2026

# Catálogo de
# **Aplicaciones Industriales**



Soler&Palau Ventilation Group

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S&P SISTEMAS DE VENTILACIÓN S.L.U. se reserva el derecho de modificar los productos sin previo aviso.

**Soler & Palau** es la marca comercial líder global especializada en la fabricación de los sistemas de ventilación más avanzados para aplicaciones residenciales, comerciales e industriales. Cuenta con una división especializada en ventiladores para aplicaciones industriales.



**Ferrari Ventilatori Industriali SpA**
es especialista en la fabricación de ventiladores industriales de alta calidad y robustez. Cuenta con soluciones personalizadas para diversas industrias, asegurando eficiencia y rendimiento óptimos.



- **CENTRÍFUGOS DE BAJA PRESIÓN**
- **CENTRÍFUGOS DE MEDIA PRESIÓN**
- **CENTRÍFUGOS DE ALTA PRESIÓN**
- **TRANSPORTE** DE MATERIA
- **PLUG FANS HORNOS**
- **AXIALES**

**INOVACIÓN Y CALIDAD**
S&P se compromete a ofrecer ventiladores de alta calidad y la más avanzada tecnología.

**EFICIENCIA ENERGÉTICA Y SONORIDAD**
Productos diseñados de acuerdo a los más altos estándares de eficiencia energética y mínimo ruido, reduciendo costes operativos y la seguridad en fábrica.

**VENTILADORES PERSONALIZADOS**
Personalización del ventilador de acuerdo a las especificaciones del cliente.

**ASESORÍA TÉCNICA AL CLIENTE**
Apoyo personalizado desde la consulta inicial hasta el soporte postventa.

**Ventur** es una marca dedicada a la fabricación de ventilación industrial. Con una amplia gama de ventiladores diseñados para todo tipo de aplicaciones industriales y las bombas de canal de presión más reconocidas del mercado.



- **VENTILADORES CENTRÍFUGOS DE MUY ALTA PRESIÓN**
- **ACCESORIOS DE MONTAJE Y ELÉCTRICOS**

**CALIDAD Y CERTIFICACIÓN**
Venture Industries se compromete a ofrecer productos de alta calidad con certificación ISO.

**EFICIENCIA ENERGÉTICA**
Sus ventiladores están diseñados para ser energéticamente eficientes, reduciendo costos operativos.

**PREMIOS Y RECONOCIMIENTO**
Han recibido varios premios por su innovación y excelencia en la industria.

**SERVICIO AL CLIENTE Y SOLUCIONES PERSONALIZADAS**
Ofrecen un excelente servicio al cliente, desde la consulta inicial hasta el soporte postventa. Adaptan sus productos a las necesidades específicas de cada cliente.

**B3 Baltogar** es especialista en el diseño, fabricación, instalación y mantenimiento de ventiladores industriales "heavy duty". Con sede en Mungia y décadas de experiencia, ofrece soluciones fiables para el movimiento de gases en sectores industriales exigentes.




- VENTILADORES **AXIALES**
- VENTILADORES **CENTRÍFUGOS**
- VENTILADORES Y ACCESORIOS **A MEDIDA**

**CALIDAD Y CERTIFICACIÓN**
Cuenta con la certificación ISO 9001:2015 y aplica estrictos controles de calidad en todos sus procesos para garantizar la satisfacción del cliente.

**SERVICIO PERSONALIZADO Y CONSULTORÍA**
Producto adaptado a las especificaciones del cliente, incluyendo análisis técnico y soporte especializado en procesos de movimiento de gases.

**TECNOLOGIA Y ALTO RENDIMIENTO**
Diseñan ventiladores para condiciones extremas de temperatura y velocidad, con cálculos estructurales avanzados y simulaciones computacionales.

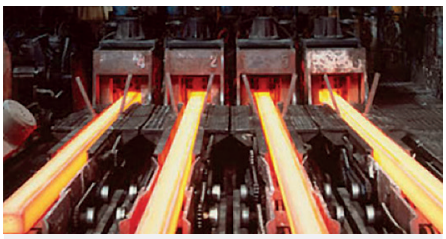
# Aplicaciones



**TEXTIL**
Hilado, soplado, cardadura, secado, acabado, proceso fibras sintéticas, acondicionamiento



**ALIMENTARIO Y MOLINO**
Secado de pasta, transporte neumático



**INDÚSTRIA METALÚRGICA**
Secadores, enfriadores, hojas de aire



**CERÁMICA Y LADRILLOS**
Hornos, secado, calentadores, extracción de humos, cama de enfriamiento, recirculación



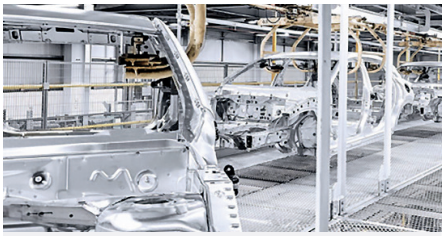

**NAVAL**
Ventilación de cabina, ventilación salas de máquinas y técnicas, purificación de aire, incinerador




**QUEMADORES**
Ventilación del quemador principal, extracción de humos



**CEMENTO Y ASFALTO**
Instalación de mezcla de asfalto, ventilación principal, calentadores, transporte neumático



**PLANTAS DE PINTURA**
Hornos de secado, unidad de recirculación



**PAPEL / TEJIDOS / PAÑALES / LEÑA**
Papel y celulosa, pañales, tejidos



**OIL&GAS Y PLANTAS DE ENERGÍA**
Ventilación, enfriamiento de turbinas, ventilador para chimenea, condensador de vapor, quemador

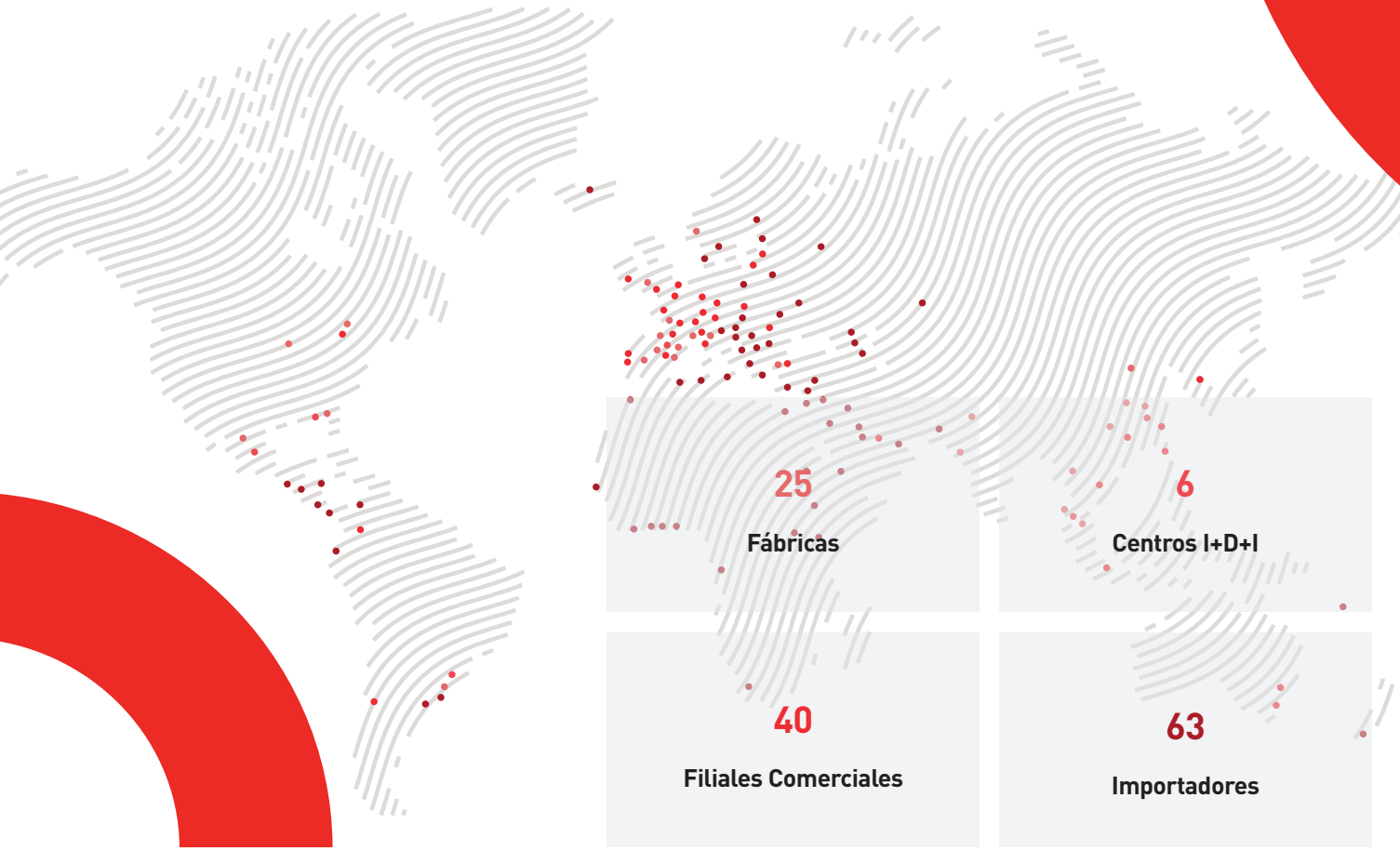


**FILTRACIÓN**



**VIDRIO**
Atemperamento y enfriamiento, enfriamiento de hornos, camas de enfriamiento, enfriamiento de moldes, enfriamiento de la alimentación

# La Empresa



**25**
**Fábricas**

**6**
**Centros I+D+I**

**40**
**Filiales Comerciales**

**63**
**Importadores**

## **60 unidades operativas** conectadas y extendidas por todo el mundo

Actualmente **Soler & Palau es una empresa implantada y reconocida en todo el mundo** con filiales propias en Alemania, Australia, Austria, Bélgica, Brasil, Canadá, Chile, Colombia, Eslovaquia, Estados Unidos, Francia, Holanda, Irlanda, Italia, Letonia, Lituania, Méjico, Noruega, Portugal, Reino Unido, República Checa, Rumanía, Turquía y Suiza, con distribuidores exclusivos en la mayoría de países del resto del mundo.



## Producción propia

A lo largo de **más de 70 años**, hemos adquirido el conocimiento para dominar las diversas tecnologías que intervienen en los procesos de producción.

Hoy estamos focalizando nuestros esfuerzos en mantener un **alto nivel de desarrollo** en aquellas tecnologías que consideramos básicas para la fabricación de nuestros sistemas.






**Soler & Palau Ventilation Group**
Líderes globales en diseño y fabricación de sistemas de ventilación.




## Sistema logístico mundial

La capacidad y la presencia en todo el mundo nos permite ofrecer una cobertura mundial en la distribución de nuestros productos y sistemas, tanto a través de los sistemas reguladores de las filiales como por medio de distribuidores exclusivos.

Siempre cuidando la calidad y aspecto de los embalajes, manteniendo en los almacenes un stock medio permanente de más de 10.000 palets de producto, y diseñando un programa de expediciones que permite entregar los pedidos a las agencias de transporte en un máximo de 24 horas, con una expedición de más de 300.000 unidades mensuales.

Nos vamos tan lejos como sea necesario para estar **cerca de nuestros clientes**.



## Apostamos por la innovación y calidad tecnológica

**Soler & Palau** es una empresa especializada en ventilación, tanto a nivel industrial como doméstico. Por ello, cuando se inicia un proyecto, en el departamento de I+D+I se estudian detenidamente las características funcionales, el comportamiento que va a tener el producto en el uso real, la facilidad para la instalación, las condiciones de trabajo incluso en situaciones extremas, la optimización de consumos, el rendimiento y la vida útil del producto para que el profesional que prescriba o instale ventiladores **Soler & Palau** lo haga con entera confianza y la plena satisfacción de sus clientes. **Soler & Palau** domina todas las tecnologías para la producción de ventiladores:



### Soler & Palau domina todas las tecnologías para la producción de ventiladores:

- Plegado y corte de chapa
- Pintura
- Inyección de aluminio
- Inyección de plástico
- Repulsado
- Soldadura
- Fabricación de motores
- Equilibrado de hélices y rodetes
- Montaje de producto
- Verificación a final de línea del 100% del producto

### Y dispone de los siguientes medios para la I+D+I:

- Túneles aerodinámicos para determinar las prestaciones caudal-presión de los ventiladores
- Cámara anecoica para la determinación de niveles sonoros
- Departamento de metrología
- Laboratorio de motores y electrónica
- Medición de fugas
- Cámaras biclimáticas
- Cámaras climáticas para ensayar los ventiladores en condiciones extremas de temperatura, humedad y salinidad
- Envejecimiento de producto e intemperie

EASY VENT

Ponemos a disposición de nuestros clientes y colaboradores **el mejor software de selección del mercado.**



- Asistentes de cálculo para proyectos técnicos (**EasyCALC**)
- Vínculo directo con **EasyDUCT**
- Asistencia en la selección de productos
- Selección de sistemas de ventilación
- Descarga de informes técnicos
- Descarga de objetos BIM

**Accede a EASYVENT**

**PREDICTSENS de Soler & Palau** es una solución completa que **permite monitorear de forma remota el estado de salud de los ventiladores en tiempo real.**




## Mucho más que un sensor

Una solución de hardware y software basada en IA

El dispositivo envía datos de detección a la nube donde la IA proporciona diagnósticos y ofrece acciones de mantenimiento a través de una plataforma web y una app.

Get it on Google Play

Download on the App Store



**TECNOLOGÍA DE DETECCIÓN**
Los sensores de alto rendimiento proporcionan datos de mayor calidad para el análisis.

**APRENDIZAJE AUTOMÁTICO**
Envía datos de forma segura a la nube para diagnosticar fallos críticos de motores eléctricos y/o mecánicos.

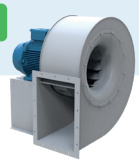
**DIAGNÓSTICO AVANZADO**
Notificaciones, actualizaciones de diagnóstico y recomendaciones proporcionadas a través de aplicaciones web y móviles.

ADI OtoSense™

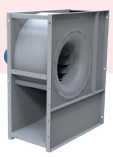
Soler & Palau gestiona la infraestructura. Analog Devices dedica recursos para el desarrollo de nuevas funcionalidades.

## CENTRÍFUGOS DE BAJA PRESIÓN

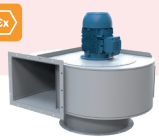

**FR** p. 17



**FRC** p. 50



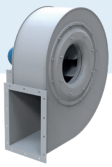
**FRP** p. 58



**FRM** p. 62



**MEC** p. 67



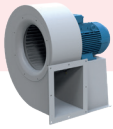
**DFR** p. 99



**DFM** p. 114



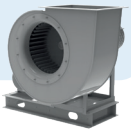
**CMB/CMT** p. 125



**CTMT** p. 137 N

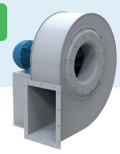


**FS** p. 149

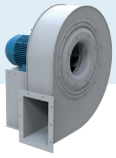



## CENTRÍFUGOS DE MEDIA PRESIÓN


**FQ** p. 179



**ART** p. 211



**ART-EC** p. 242 N



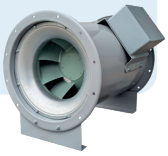
**VCM** p. 251



**FP-N** p. 275



**MXF** p. 300 N



**MPA** p. 304 N



**MBA** p. 317 N



**MRA** p. 326 N



**MTA** p. 334 N



**CBT-N** p. 339



**CMPB/CMPT(1)** p. 343



**CMPB/CMPT(2)** p. 351



**CMPT ATEX** p. 371




N Novedad

Series que cumplen con la Directiva ErP. Las series que no lo incluyen están exentas de cumplirla.

Series con certificación ATEX para atmósferas explosivas.

Ventiladores de transporte utilizados para el transporte de sustancias no gaseosas en aplicaciones de procesos industriales.

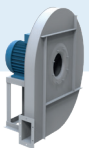
Series capacitadas para trabajar en continuo a la temperatura máxima indicada.

## CENTRÍFUGOS DE ALTA PRESIÓN


**FC-N** p. 381



**FE-N** p. 397



**FG-N** p. 414



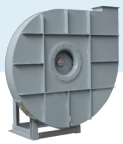
**FI-N** p. 435



**FA-R** p. 457



**FC-P** p. 472



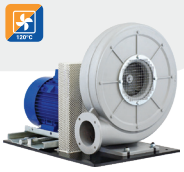
**FE-P** p. 487



**FG-P** p. 502



**HPB** N p. 519



**HPB-F** N p. 523




## BOMBAS DE CANAL LATERAL


**SC** N p. 541



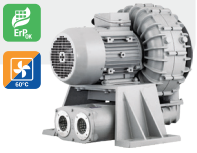
**SCF-INT** N p. 550



**SC-VB** N p. 556



**DSC** N p. 558




## TRANSPORTE DE MATERIA


**K** p. 563



**KA** p. 578



**KB** p. 594



**KC** p. 610

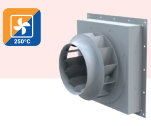


**KM** p. 634

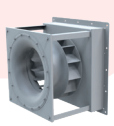



## PLUG FANS HORNOS


**CFST** p. 663



**CFSPT** N p. 668



**CFHT** p. 673



**CFMT-N** p. 679



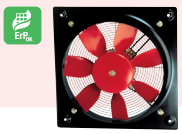

Producto S&P

Producto Ferrari

Producto Venture

## AXIALES


**HCFB/HCFT**
p. 683



**HCBB/HCBT**
p. 683



**TCT**
p. 715



**TGT**
p. 720



**TGT ATEX**
p. 723



**TTT-N**
p. 734



**EF 9A**
p. 738



**EB** N
p. 752



**EB 9B**
p. 759




## ACCESORIOS


**Accesorios eléctricos**
p. 776



**Accesorios mecánicos**
p. 784



**Accesorios acústicos**
p. 831




Producto S&P

Producto Ferrari

N Novedad

Series que cumplen con la Directiva ErP. Las series que no lo incluyen están exentas de cumplirla.

Series con certificación ATEX para atmósferas explosivas.

Ventiladores de transporte utilizados para el transporte de sustancias no gaseosas en aplicaciones de procesos industriales.

Series capacitadas para trabajar en continuo a la temperatura máxima indicada.

# Productos

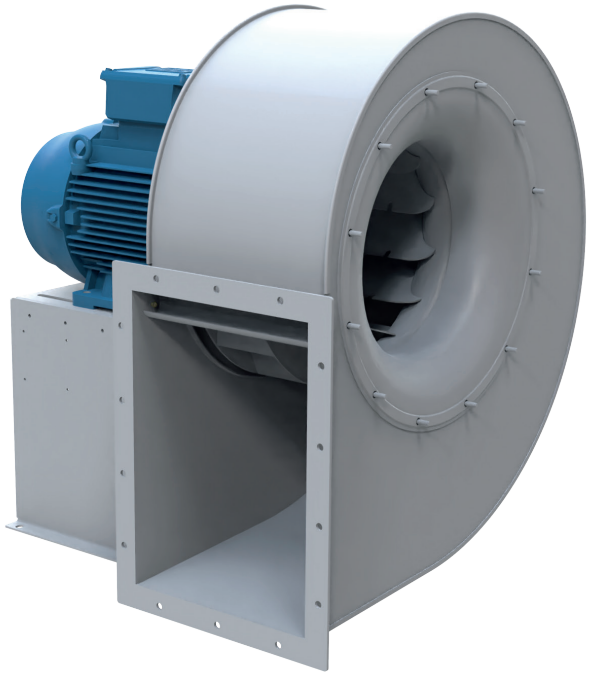
# Centrífugos de baja presión

# FR

## VENTILADORES CENTRÍFUGOS DE BAJA PRESIÓN

*ACOPLAMIENTO DIRECTO*

Ventilador centrífugo de acoplamiento directo y simple aspiración. Fabricados en chapa de acero protegida contra la corrosión mediante tratamiento por cataforesis + pintura poliuretana. Temperaturas del aire a transportar -20ºC/+100ºC en continuo.



APLICACIONES

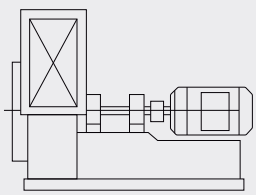
**Aire a transportar**
Aire limpio

**Cantidad de polvo (mg/m³)**
<50



Rodete de álabes curvados hacia atrás

**SISTEMA 8:** acoplamiento mediante junta elástica.



Disponible bajo pedido

**Motores**
De 2, 4 o 6 polos, de alta eficiencia IE 3*, tensión de alimentación trifásica 230/400V 50Hz hasta tamaño motor 112 y 400/690V 50Hz para motores de mayor dimensión. Protección IP55, Clase F.

* Entre 75 y 200kW, los motores suministrados serán IE4.

**Bajo pedido**
- Fabricación en diferentes materiales constructivos.
- Motores de 2 velocidades.
- Versiones de 60 Hz.
- Pintura en diferentes RAL.
- Versión sin pie soporte (Motor-Brida, Sistema 5), hasta tamaño de motor 160.
- Versión para alta temperatura: hasta 220ºC (versiones B: con rodete de refrigeración).
- SISTEMA 8: acoplamiento mediante junta elástica.
- Trampilla de inspección, purga de drenaje, distintos tipos de estanqueidad a nivel de voluta y de paso de eje.
- Ventiladores estancos.
- Calorifugado.

**Versiones ATEX**
Bajo pedido, versiones antiexplosivas según la Directiva ATEX para modelos trifásicos:
Para trabajar a temperaturas de -20ºC a +60ºC, presión ambiente (absoluta) de 0,8 bar hasta 1,1 bar, según EN 14986.
- Gas:
  - Ex 2G IIB T2-T3-T4
  - Ex 2G IIB+H2 T2-T3-T4
  - Ex 3G IIB T2-T3-T4
  - Ex 3G IIB+H2 T2-T3-T4
- Polvo no conductivo:
  - Ex 2D IIIB T125°C-T135°C-T195°C-T295°C
  - Ex 3D IIIB T125°C-T135°C-T195°C-T295°C
- Polvo conductivo (con motor IP65 IIIC):
  - Ex 2D IIIC T125°C-T135°C-T195°C-T295°C
  - Ex 3D IIIC T125°C-T135°C-T195°C-T295°C

## CARACTERÍSTICAS TÉCNICAS

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación

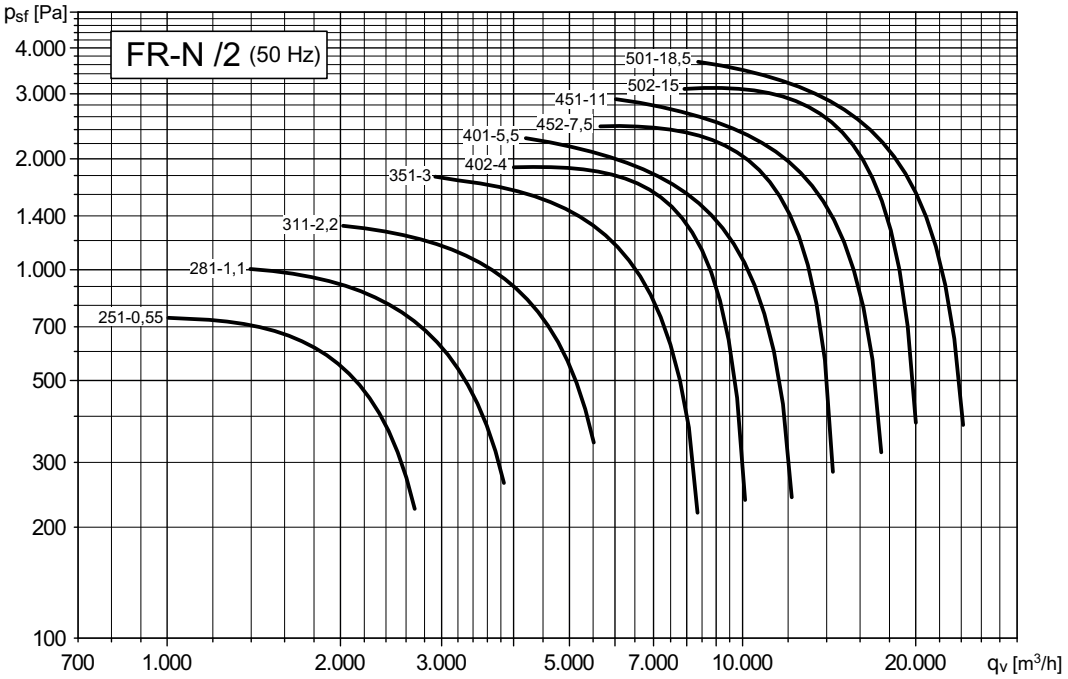
| Modelo | Tamaño motor | Velocidad (r.p.m.) | Potencia motor (kW) | Intensidad motor 400V (A) | Caudal máximo ($m^3/h$) | Nivel presión sonora a 1 m (dB(A))[1] | Peso (kg)[2] | Momento de inercia ($kg \cdot m^2$)[3] |
|---|---|---|---|---|---|---|---|---|
| 2 POLOS | | | | | | | | |
| FR 251/2 N4A | 71B2 | 2820 | 0,55 | 1,25 | 2.690 | 69 | 32 | 0,035 |
| FR 281/2 N4A | 80B2 | 2840 | 1,1 | 2,33 | 3.850 | 72 | 41 | 0,055 |
| FR 311/2 N4A | 90L2 | 2850 | 2,2 | 4,43 | 5.510 | 76 | 51 | 0,090 |
| FR 351/2 N4A | 100LA2 | 2900 | 3 | 5,77 | 8.350 | 79 | 79 | 0,150 |
| FR 402/2 N4A | 112M2 | 2910 | 4 | 7,50 | 10.100 | 82 | 94 | 0,270 |
| FR 401/2 N4A | 132SA2 | 2890 | 5,5 | 10,10 | 12.170 | 84 | 106 | 0,270 |
| FR 452/2 N4A | 132SB2 | 2890 | 7,5 | 13,90 | 14.360 | 85 | 123 | 0,480 |
| FR 451/2 N4A | 160MB2 | 2930 | 11 | 18,70 | 17.410 | 88 | 158 | 0,480 |
| FR 502/2 N4A | 160M2 | 2935 | 15 | 25,40 | 20.000 | 88 | 185 | 0,830 |
| FR 501/2 N4A | 160L2 | 2935 | 18,5 | 33,30 | 24.170 | 91 | 195 | 0,830 |
| 4 POLOS | | | | | | | | |
| FR 311/4 N4A | 63B4 | 1310 | 0,18 | 0,59 | 2.530 | 56 | 40 | 0,090 |
| FR 351/4 N4A | 71B4 | 1360 | 0,37 | 1,06 | 3.920 | 60 | 63 | 0,150 |
| FR 401/4 N4A | 80A4 | 1370 | 0,55 | 1,26 | 5.770 | 64 | 73 | 0,270 |
| FR 452/4 N4A | 80B4 | 1380 | 0,75 | 1,63 | 6.860 | 64 | 88 | 0,480 |
| FR 451/4 N4A | 90S4 | 1390 | 1,1 | 2,30 | 8.260 | 67 | 92 | 0,480 |
| FR 502/4 N4A | 90L4 | 1400 | 1,5 | 3,15 | 9.540 | 68 | 121 | 0,830 |
| FR 501/4 N4A | 100LA4 | 1420 | 2,2 | 4,56 | 11.690 | 71 | 128 | 0,830 |
| FR 562/4 N4A | 100LB4 | 1430 | 3 | 6,15 | 13.640 | 71 | 131 | 1,330 |
| FR 561/4 N4A | 112M4 | 1425 | 4 | 8,20 | 16.450 | 74 | 136 | 1,330 |
| FR 632/4 N4A | 132SA4 | 1440 | 5,5 | 10,30 | 19.670 | 75 | 184 | 2,180 |
| FR 631/4 N4A | 132MA4 | 1450 | 7,5 | 13,90 | 23.950 | 78 | 197 | 2,180 |
| FR 712/4 N4A | 160M4 | 1450 | 11 | 20,70 | 28.280 | 79 | 292 | 3,830 |
| FR 711/4 N4A | 160L4 | 1450 | 15 | 28,40 | 32.860 | 82 | 292 | 3,830 |
| FR 802/4 N4A | 180M4 | 1460 | 18,5 | 34,90 | 40.880 | 82 | 380 | 7,000 |
| FR 801/4 N4A | 180L4 | 1470 | 22 | 40,90 | 48.440 | 85 | 380 | 7,000 |
| FR 902/4 N4A | 225S4 | 1475 | 37 | 65,60 | 59.000 | 85 | 629 | 11,800 |
| FR 901/4 N4A | 225M4 | 1475 | 45 | 79,40 | 67.630 | 88 | 648 | 11,800 |
| FR 1002/4 N4A | 250M4 | 1475 | 55 | 96,90 | 79.650 | 90 | 830 | 19,500 |
| FR 1001/4 N4A | 280S4 | 1475 | 75 | 130,00 | 96.680 | 93 | 940 | 19,500 |
| 6 POLOS | | | | | | | | |
| FR 502/6 N4A | 80B6 | 930 | 0,55 | 1,45 | 7.660 | 56 | 115 | 0,830 |
| FR 501/6 N4A | 80B6 | 930 | 0,55 | 1,45 | 6.340 | 59 | 115 | 0,830 |
| FR 562/6 N4A | 90S6 | 930 | 0,75 | 1,95 | 10.740 | 59 | 120 | 1,330 |
| FR 561/6 N4A | 90L6 | 930 | 1,1 | 2,78 | 8.870 | 62 | 123 | 1,330 |
| FR 632/6 N4A | 100LA6 | 950 | 1,5 | 3,71 | 15.690 | 65 | 164 | 2,180 |
| FR 631/6 N4A | 112M6 | 950 | 2,2 | 5,94 | 12.980 | 68 | 171 | 2,180 |
| FR 712/6 N4A | 132SA6 | 950 | 3 | 8,10 | 21.750 | 69 | 275 | 3,830 |
| FR 711/6 N4A | 132MA6 | 960 | 4 | 7,30 | 18.530 | 72 | 275 | 3,830 |
| FR 802/6 N4A | 132MB6 | 960 | 5,5 | 12,80 | 31.800 | 72 | 336 | 7,000 |
| FR 801/6 N4A | 160M6 | 965 | 7,5 | 14,70 | 26.880 | 75 | 347 | 7,000 |
| FR 902/6 N4A | 160L6 | 965 | 11 | 21,50 | 38.600 | 75 | 459 | 11,800 |
| FR 901/6 N4A | 180L6 | 970 | 15 | 30,40 | 44.470 | 78 | 498 | 11,800 |
| FR 1002/6 N4A | 200LR6 | 970 | 18,5 | 37,30 | 52.380 | 79 | 695 | 19,500 |
| FR 1001/6 N4A | 200L6 | 970 | 22 | 43,00 | 63.580 | 82 | 715 | 19,500 |
| FR 1122/6 N4A | 225M6 | 975 | 30 | 54,20 | 75.210 | 82 | 1.070 | 33,500 |
| FR 1121/6 N4A | 250M6 | 980 | 37 | 66,60 | 87.990 | 85 | 1.210 | 33,500 |
| FR 1252/6 N4A | 280M6 | 980 | 55 | 102,00 | 104.960 | 85 | 1.474 | 59,500 |
| FR 1251/6 N4A | 315S6 | 985 | 75 | 136,00 | 127.020 | 88 | 1.594 | 59,500 |
| FR 1402/6 N4A | 315M6 | 985 | 90 | 163,00 | 147.160 | 89 | 2.037 | 105,000 |
| FR 1401/6 N4A | 315MA6 | 985 | 110 | 199,00 | 181.470 | 92 | 2.092 | 105,000 |

[1] Entubado en la descarga
Tolerancia del nivel de ruido de +3dB/A, medido en el punto de máxima eficienciat
[2] Con motor incluido y para orientación LG270 o RD270
[3] Momento de inercia del rodete

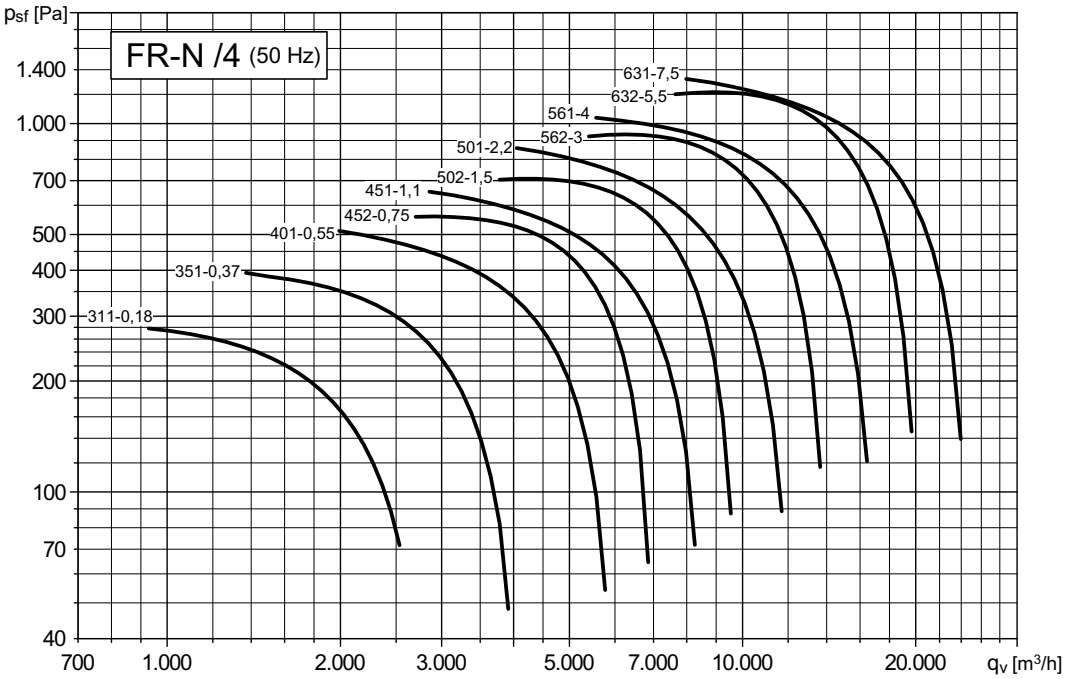
## CURVAS CARACTERÍSTICAS (a la descarga)

- Caudal en $m^3/h$
- **Psf: Presión estática en Pa**
- Modelo - Potencia motor en kW
- Ejemplo: 451 - 11
  Modelo - kW

2 polos - Modelos desde 251 hasta 501



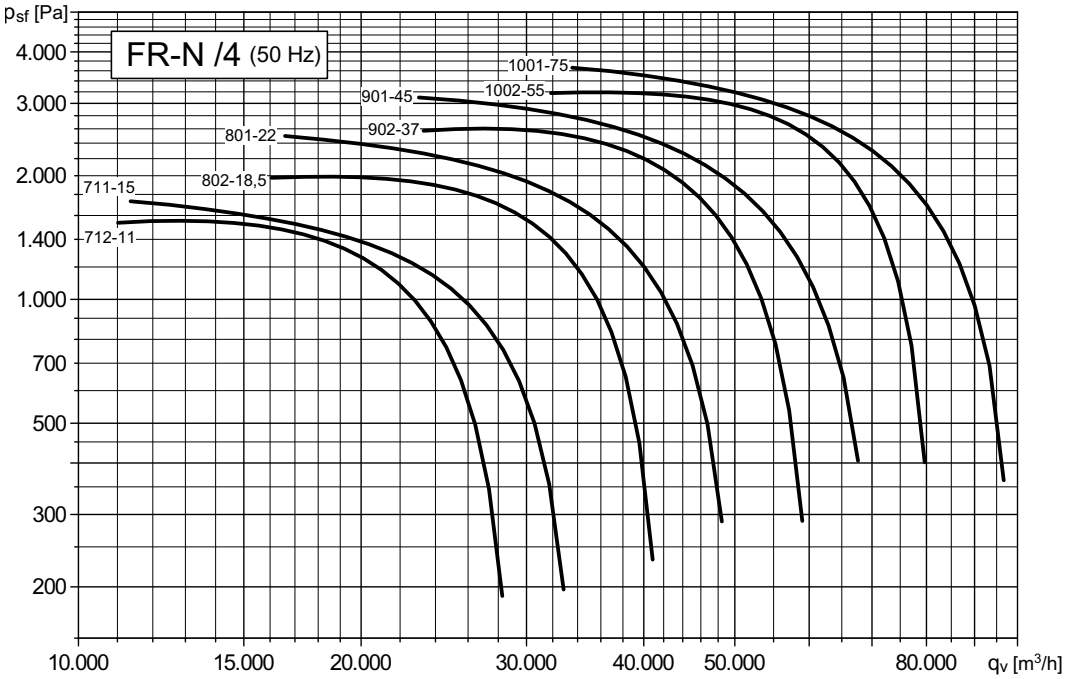

4 polos - Modelos desde 311 hasta 631



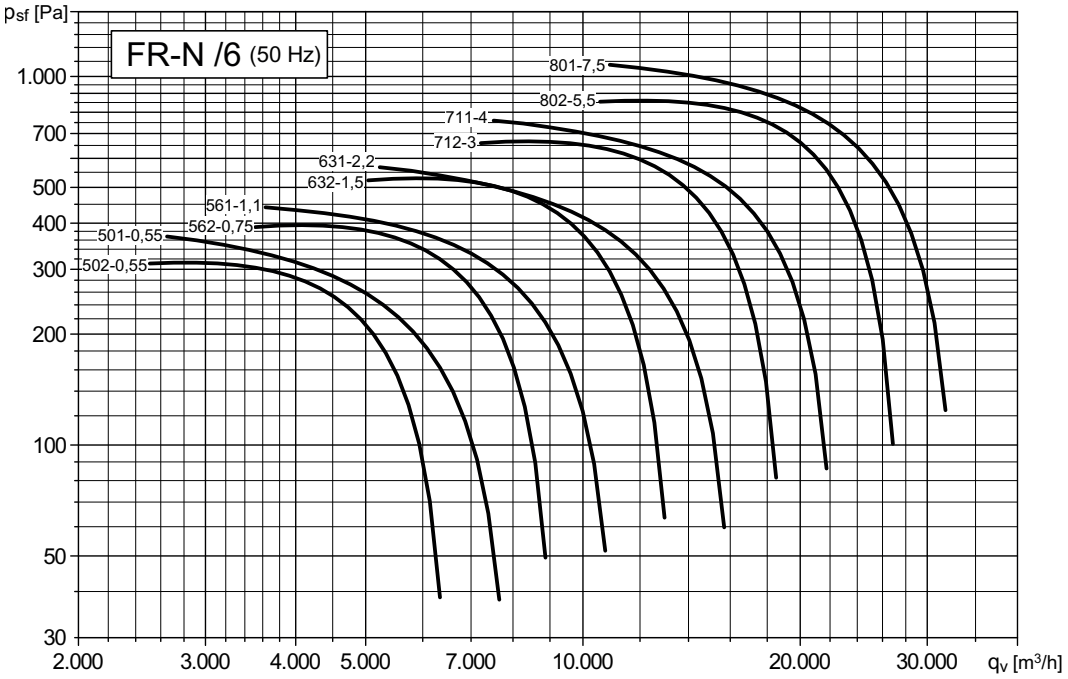
## CURVAS CARACTERÍSTICAS (a la descarga)

- Caudal en $m^3/h$
- **Psf: Presión estática en Pa**
- Modelo - Potencia motor en kW
- Ejemplo: 801 - 22
  Modelo - kW

4 polos - Modelos desde 711 hasta 1001



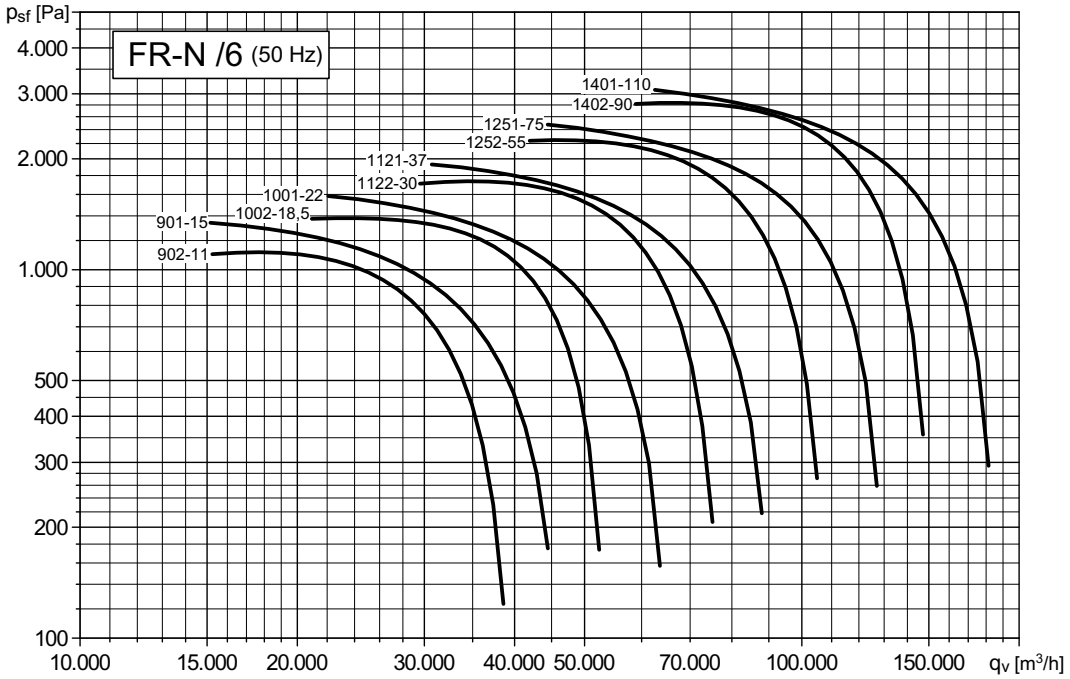

6 polos - Modelos desde 501 hasta 801



## CURVAS CARACTERÍSTICAS (a la descarga)

- Caudal en $m^3/h$
- **Psf: Presión estática en Pa**
- Modelo - Potencia motor en kW
- Ejemplo: 901 - 11
  Modelo - kW

6 polos - Modelos desde 901 hasta 1401



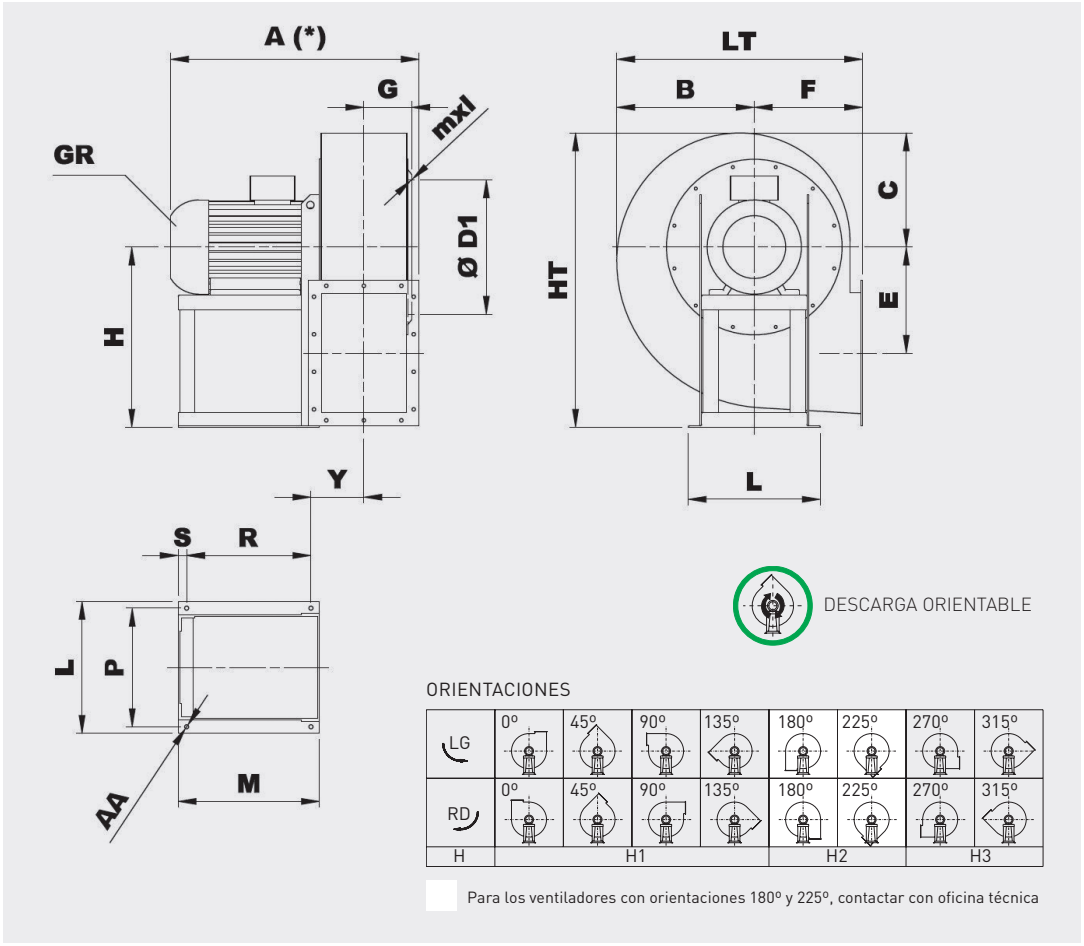
## DATOS ERP

| Modelo | PM | MC | EC | VSD | SR | n [%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|---|---|
| FR 251 N4A | 0,55 | B | total | No | 1 | 57,6 | 71,0 | 0,534 | 1.643 | 673 | 2820 |
| FR 281 N4A | 1,10 | B | total | No | 1 | 63,3 | 74,2 | 0,910 | 2.375 | 872 | 2840 |
| FR 311 N4A | 2,20 | B | total | No | 1 | 66,5 | 74,6 | 1,669 | 3.436 | 1162 | 2850 |
| FR 351 N4A | 3,00 | B | total | No | 1 | 68,1 | 73,3 | 3,252 | 5.209 | 1531 | 2900 |
| FR 402 N4A | 4,00 | B | total | No | 1 | 76,4 | 80,1 | 4,467 | 7.204 | 1706 | 2910 |
| FR 401 N4A | 5,50 | B | total | No | 1 | 70,7 | 73,2 | 5,765 | 7.583 | 1935 | 2890 |
| FR 452 N4A | 7,50 | B | total | No | 1 | 78,6 | 79,7 | 7,760 | 10.225 | 2147 | 2890 |
| FR 451 N4A | 11,00 | B | total | No | 1 | 72,0 | 72,1 | 10,025 | 10.700 | 2429 | 2930 |
| FR 502 N4A | 15,00 | B | total | No | 1 | 80,1 | 79,8 | 13,821 | 14.269 | 2794 | 2935 |
| FR 501 N4A | 18,50 | B | total | No | 1 | 74,0 | 73,5 | 17,280 | 14.871 | 3096 | 2935 |
| FR 311 N4A | 0,18 | B | total | No | 1 | 49,3 | 66,2 | 0,245 | 1.640 | 265 | 1310 |
| FR 351 N4A | 0,37 | B | total | No | 1 | 56,2 | 70,7 | 0,411 | 2.452 | 339 | 1360 |
| FR 401 N4A | 0,55 | B | total | No | 1 | 62,6 | 74,5 | 0,741 | 3.675 | 454 | 1370 |
| FR 452 N4A | 0,75 | B | total | No | 1 | 71,5 | 82,2 | 0,965 | 4.947 | 502 | 1380 |
| FR 451 N4A | 1,10 | B | total | No | 1 | 67,0 | 76,2 | 1,326 | 5.323 | 601 | 1390 |
| FR 502 N4A | 1,50 | B | total | No | 1 | 74,4 | 82,3 | 1,769 | 7.014 | 675 | 1400 |
| FR 501 N4A | 2,20 | B | total | No | 1 | 69,2 | 76,3 | 2,091 | 7.234 | 720 | 1420 |
| FR 562 N4A | 3,00 | B | total | No | 1 | 76,6 | 82,2 | 2,976 | 9.733 | 843 | 1430 |
| FR 561 N4A | 4,00 | B | total | No | 1 | 70,3 | 74,7 | 3,879 | 11162 | 880 | 1425 |
| FR 632 N4A | 5,50 | B | total | No | 1 | 73,3 | 76,1 | 5,385 | 12.033 | 1181 | 1440 |
| FR 631 N4A | 7,50 | B | total | No | 1 | 73,3 | 75,3 | 6,474 | 15.641 | 1092 | 1450 |
| FR 712 N4A | 11,00 | B | total | No | 1 | 80,2 | 80,3 | 10,007 | 20.220 | 1429 | 1450 |
| FR 711 N4A | 15,00 | B | total | No | 1 | 74,2 | 74,1 | 12,169 | 22.408 | 1452 | 1450 |
| FR 802 N4A | 18,50 | B | total | No | 1 | 82,5 | 81,9 | 17,895 | 28.991 | 1833 | 1460 |
| FR 801 N4A | 22,00 | B | total | No | 1 | 75,8 | 74,9 | 23,624 | 32.147 | 2005 | 1470 |
| FR 902 N4A | 37,00 | B | total | No | 1 | 83,7 | 82,5 | 32,164 | 41.772 | 2320 | 1475 |
| FR 901 N4A | 45,00 | B | total | No | 1 | 76,4 | 74,9 | 40,528 | 44.185 | 2521 | 1475 |
| FR 1002 N4A | 55,00 | B | total | No | 1 | 86,0 | 84,2 | 54,074 | 56.574 | 2959 | 1475 |
| FR 1001 N4A | 75,00 | B | total | No | 1 | 78,0 | 75,9 | 67,253 | 61.191 | 3085 | 1475 |
| FR 502 N4A | 0,55 | B | total | No | 1 | 62,6 | 75,9 | 0,545 | 4.474 | 275 | 930 |
| FR 501 N4A | 0,55 | B | total | No | 1 | 57,9 | 70,2 | 0,670 | 4.663 | 299 | 930 |
| FR 562 N4A | 0,75 | B | total | No | 1 | 68,8 | 79,7 | 0,922 | 6.354 | 359 | 930 |
| FR 561 N4A | 1,10 | B | total | No | 1 | 64,0 | 73,7 | 1,181 | 7.275 | 374 | 930 |
| FR 632 N4A | 1,50 | B | total | No | 1 | 66,6 | 74,9 | 1,646 | 8.301 | 476 | 950 |
| FR 631 N4A | 2,20 | B | total | No | 1 | 67,7 | 75,2 | 1,912 | 10.142 | 459 | 950 |
| FR 712 N4A | 3,00 | B | total | No | 1 | 74,8 | 80,2 | 3,081 | 13.343 | 622 | 950 |
| FR 711 N4A | 4,00 | B | total | No | 1 | 70,0 | 74,6 | 3,653 | 14.710 | 626 | 960 |
| FR 802 N4A | 5,50 | B | total | No | 1 | 80,2 | 83,0 | 5,373 | 19.229 | 806 | 960 |
| FR 801 N4A | 7,50 | B | total | No | 1 | 73,7 | 75,2 | 7,093 | 21.322 | 882 | 965 |
| FR 902 N4A | 11,00 | B | total | No | 1 | 81,2 | 81,4 | 9,482 | 27.519 | 1007 | 965 |
| FR 901 N4A | 15,00 | B | total | No | 1 | 74,3 | 74,2 | 12,086 | 29.258 | 1105 | 970 |
| FR 1002 N4A | 18,50 | B | total | No | 1 | 83,7 | 83,2 | 16,132 | 37.461 | 1297 | 970 |
| FR 1001 N4A | 22,00 | B | total | No | 1 | 76,9 | 76,2 | 19,912 | 40.588 | 1357 | 970 |
| FR 1122 N4A | 30,00 | B | total | No | 1 | 84,9 | 83,8 | 28,053 | 53.614 | 1598 | 975 |
| FR 1121 N4A | 37,00 | B | total | No | 1 | 77,4 | 76,1 | 33,715 | 58.243 | 1612 | 980 |
| FR 1252 N4A | 55,00 | B | total | No | 1 | 86,8 | 85,1 | 48,285 | 75.380 | 2002 | 980 |
| FR 1251 N4A | 75,00 | B | total | No | 1 | 79,4 | 77,5 | 59,607 | 80.633 | 2114 | 985 |
| FR 1402 N4A | 90,00 | B | total | No | 1 | 87,9 | 85,6 | 85,766 | 105.699 | 2568 | 985 |
| FR 1401 N4A | 110,00 | B | total | No | 1 | 79,6 | 77,1 | 103,009 | 114.459 | 2580 | 985 |

**PM** Potencia del motor
**MC** Categoría de medición
**EC** Categoría de eficiencia
**VSD** Mando de regulación de velocidad: debe suministrarse con el ventilador
**SR** Relación específica
**η [%]** Eficiencia
**N** Grado de eficiencia
**[kW]** Potencia absorbida
**[m³/h]** Caudal
**[Pa]** Presión total
**[RPM]** Velocidad

## DIMENSIONES (mm)

Modelos desde 251 hasta 501

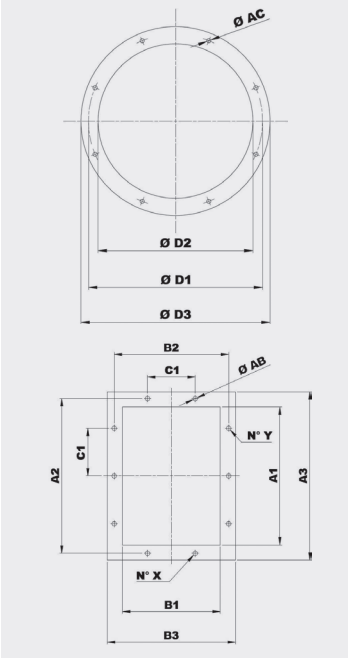



| Modelo | | | | | | | | | | | | | | | Base | | | | | | Ejecución 4B[1] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Motor GR | A* | B | C | ØD1 | E | F | G | H | | | HT | mxl | Y | LT | L | P | M | R | S | ØAA | A | Y | R | M |
| | | | | | | | | | H1 | H2 | H3 | | | | | | | | | | | | | | |
| FR 251/2 N4A | 71B2 | 435 | 245 | 210 | 292 | 150 | 195 | 93 | 315 | 195 | 315 | 525 | M8x20 | 139 | 440 | 225 | 203 | 215 | 156 | 14 | 10 | 447 | 139 | 156 | 215 |
| FR 251/2 N4A | 80A2 | 449 | 245 | 210 | 292 | 150 | 195 | 93 | 315 | 195 | 315 | 525 | M8x20 | 139 | 440 | 225 | 203 | 225 | 166 | 14 | 10 | 461 | 139 | 156 | 215 |
| FR 281/2 N4A | 80B2 | 485 | 270 | 235 | 332 | 171 | 200 | 104 | 375 | 200 | 375 | 610 | M8x20 | 150 | 470 | 225 | 203 | 225 | 166 | 14 | 10 | 568 | 150 | 166 | 225 |
| FR 311/2 N4A | 90L2 | 550 | 300 | 260 | 366 | 196 | 225 | 116 | 400 | 225 | 400 | 660 | M8x20 | 178 | 525 | 260 | 234 | 260 | 183 | 17 | 10 | 579 | 178 | 183 | 260 |
| FR 311/4 N4A | 63B4 | 460 | 300 | 260 | 366 | 196 | 225 | 116 | 400 | 225 | 400 | 660 | M8x20 | 163 | 525 | 206 | 184 | 184 | 125 | 14 | 10 | 493 | 163 | 125 | 184 |
| FR 351/2 N4A | 100LA2 | 610 | 340 | 295 | 405 | 215 | 255 | 129 | 450 | 255 | 450 | 745 | M8x20 | 154 | 595 | 324 | 289 | 295 | 249 | 23 | 12 | 655 | 154 | 249 | 295 |
| FR 351/4 N4A | 71B4 | 515 | 340 | 295 | 405 | 215 | 255 | 129 | 450 | 255 | 450 | 745 | M8x20 | 176 | 595 | 225 | 203 | 215 | 156 | 14 | 10 | 555 | 176 | 156 | 215 |
| FR 401/2 N4A | 132SA2 | 735 | 375 | 330 | 448 | 243 | 285 | 146 | 500 | 285 | 500 | 830 | M8x20 | 170 | 660 | 372 | 337 | 360 | 314 | 23 | 12 | 760 | 170 | 314 | 360 |
| FR 401/4 N4A | 80A4 | 570 | 375 | 330 | 448 | 243 | 285 | 146 | 500 | 285 | 500 | 830 | M8x20 | 192 | 660 | 225 | 203 | 225 | 166 | 14 | 10 | 604 | 192 | 166 | 225 |
| FR 402/2 N4A | 112M2 | 680 | 375 | 330 | 448 | 243 | 285 | 146 | 500 | 285 | 500 | 830 | M8x20 | 170 | 660 | 324 | 289 | 310 | 264 | 23 | 12 | 711 | 170 | 264 | 310 |
| FR 451/2 N4A | 160MB2 | 860 | 425 | 370 | 497 | 273 | 320 | 162 | 560 | 320 | 560 | 930 | M8x25 | 193 | 745 | 440 | 395 | 470 | 414 | 28 | 14 | 900 | 193 | 414 | 470 |
| FR 451/4 N4A | 90S4 | 640 | 425 | 370 | 497 | 273 | 320 | 162 | 560 | 320 | 560 | 930 | M8x25 | 225 | 745 | 260 | 234 | 260 | 183 | 17 | 10 | 685 | 225 | 183 | 260 |
| FR 452/2 N4A | 132SB2 | 770 | 425 | 370 | 497 | 273 | 320 | 162 | 560 | 320 | 560 | 930 | M8x25 | 188 | 745 | 372 | 337 | 360 | 314 | 23 | 12 | 795 | 188 | 314 | 360 |
| FR 452/4 N4A | 80B4 | 600 | 425 | 370 | 497 | 273 | 320 | 162 | 560 | 320 | 560 | 930 | M8x25 | 210 | 745 | 225 | 203 | 225 | 166 | 14 | 10 | 639 | 210 | 166 | 225 |
| FR 501/2 N4A | 160L2 | 900 | 470 | 410 | 551 | 301 | 360 | 182 | 600 | 360 | 600 | 1010 | M8x25 | 213 | 830 | 440 | 395 | 470 | 414 | 28 | 14 | 939 | 213 | 414 | 470 |
| FR 501/4 N4A | 100LA4 | 715 | 470 | 410 | 551 | 301 | 360 | 182 | 600 | 360 | 600 | 1010 | M8x25 | 208 | 830 | 324 | 289 | 295 | 249 | 23 | 12 | 762 | 208 | 249 | 295 |
| FR 501/6 N4A | 80B6 | 640 | 470 | 410 | 551 | 301 | 360 | 182 | 600 | 360 | 600 | 1010 | M8x25 | 230 | 830 | 225 | 203 | 225 | 166 | 14 | 10 | 678 | 230 | 166 | 225 |
| FR 502/2 N4A | 160M2 | 900 | 470 | 410 | 551 | 301 | 360 | 182 | 600 | 360 | 600 | 1010 | M8x25 | 213 | 830 | 440 | 395 | 470 | 414 | 28 | 14 | 939 | 213 | 414 | 470 |
| FR 502/4 N4A | 90L4 | 680 | 470 | 410 | 551 | 301 | 360 | 182 | 600 | 360 | 600 | 1010 | M8x25 | 245 | 830 | 260 | 234 | 260 | 183 | 17 | 10 | 712 | 245 | 183 | 260 |
| FR 502/6 N4A | 80B6 | 640 | 470 | 410 | 551 | 301 | 360 | 182 | 600 | 360 | 600 | 1010 | M8x25 | 230 | 830 | 225 | 203 | 225 | 166 | 14 | 10 | 678 | 230 | 166 | 225 |

[1] Con rodete de refrigeración
* Según tamaño motor

## DIMENSIONES (mm)

Modelos desde 251 hasta 501




Brida aspiración

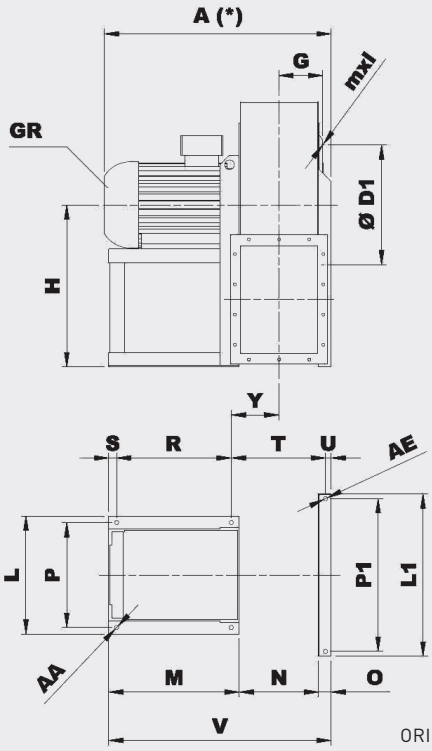
| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 251 | 250 | 292 | 254 | 324 | 10 | 8 |
| 281 | 280 | 332 | 285 | 365 | 10 | 8 |
| 311 | 315 | 366 | 320 | 400 | 10 | 8 |
| 351 | 355 | 405 | 360 | 440 | 10 | 8 |
| 401 | 400 | 448 | 405 | 485 | 10 | 12 |
| 451 | 450 | 497 | 455 | 535 | 10 | 12 |
| 501 | 500 | 551 | 505 | 585 | 10 | 12 |

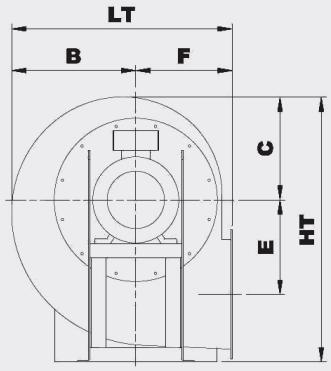
Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 251 | 250x180 | 256 | 183 | 292 | 219 | 326 | 253 | 112 | 12 | 2+2 | 3+3 |
| 281 | 280x200 | 288 | 205 | 332 | 249 | 368 | 285 | 125 | 12 | 2+2 | 3+3 |
| 311 | 315x224 | 322 | 229 | 366 | 273 | 402 | 309 | 125 | 12 | 2+2 | 3+3 |
| 351 | 355x250 | 361 | 256 | 405 | 300 | 441 | 336 | 125 | 12 | 2+2 | 3+3 |
| 401 | 400x280 | 404 | 288 | 448 | 332 | 484 | 368 | 125 | 12 | 3+3 | 4+4 |
| 451 | 450x315 | 453 | 322 | 497 | 366 | 533 | 402 | 125 | 12 | 3+3 | 4+4 |
| 501 | 500x355 | 507 | 361 | 551 | 405 | 587 | 441 | 125 | 12 | 3+3 | 4+4 |

## DIMENSIONES (mm)

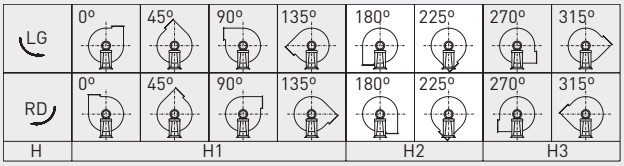
Modelos desde 561 hasta 631




DESCARGA ORIENTABLE

ORIENTACIONES




Para los ventiladores con orientaciones 180º y 225º, contactar con oficina técnica

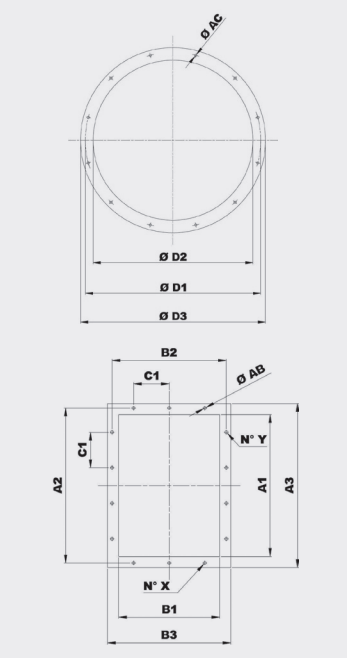
| Modelo | | | | | | | | | | | | | | | Base | | | | | | | | | | | | Ejecución 4B[1] | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Motor GR | A* | B | C | ØD1 | E | F | G | H | | | HT | mxl | Y | LT | L | P | L1 | P1 | M | N | O | R | S | T | U | V | ØAA | ØAE | A | Y | R | M | T | V |
| | | | | | | | | | H1 | H2 | H3 | | | | | | | | | | | | | | | | | | | | | | | | |
| FR 561/4 N4A | 112M4 | 810 | 525 | 455 | 629 | 331 | 400 | 207 | 670 | 400 | 670 | 1125 | M8x30 | 229 | 925 | 324 | 289 | 672 | 632 | 310 | 410 | 52 | 264 | 23 | 462 | 23 | 772 | 12 | 17 | 838 | 229 | 264 | 310 | 462 | 772 |
| FR 561/6 N4A | 90L6 | 735 | 525 | 455 | 629 | 331 | 400 | 207 | 670 | 400 | 670 | 1125 | M8x30 | 266 | 925 | 260 | 234 | 672 | 632 | 260 | 410 | 52 | 183 | 17 | 499 | 23 | 722 | 10 | 12 | 780 | 266 | 183 | 260 | 499 | 722 |
| FR 562/4 N4A | 100LB4 | 770 | 525 | 455 | 629 | 331 | 400 | 207 | 670 | 400 | 670 | 1125 | M8x30 | 229 | 925 | 324 | 289 | 672 | 632 | 295 | 410 | 52 | 249 | 23 | 462 | 23 | 757 | 12 | 17 | 815 | 229 | 249 | 295 | 462 | 757 |
| FR 562/6 N4A | 90S6 | 735 | 525 | 455 | 629 | 331 | 400 | 207 | 670 | 400 | 670 | 1125 | M8x30 | 266 | 925 | 260 | 234 | 672 | 632 | 260 | 410 | 52 | 183 | 17 | 499 | 23 | 722 | 10 | 12 | 752 | 266 | 183 | 260 | 499 | 722 |
| FR 631/4 N4A | 132MA4 | 915 | 590 | 515 | 698 | 375 | 450 | 232 | 750 | 450 | 750 | 1265 | M8x30 | 255 | 1040 | 372 | 337 | 762 | 702 | 360 | 461 | 52 | 314 | 23 | 513 | 23 | 873 | 12 | 17 | 970 | 255 | 314 | 360 | 513 | 873 |
| FR 631/4 N4A | 132MB4 | 915 | 590 | 515 | 698 | 375 | 450 | 232 | 750 | 450 | 750 | 1265 | M8x30 | 255 | 1040 | 372 | 337 | 762 | 702 | 360 | 461 | 52 | 314 | 23 | 513 | 23 | 873 | 12 | 17 | 970 | 255 | 314 | 360 | 513 | 873 |
| FR 631/6 N4A | 112M6 | 855 | 590 | 515 | 698 | 375 | 450 | 232 | 750 | 450 | 750 | 1265 | M8x30 | 255 | 1040 | 324 | 289 | 762 | 702 | 310 | 461 | 52 | 264 | 23 | 513 | 23 | 823 | 12 | 17 | 895 | 255 | 264 | 310 | 513 | 823 |
| FR 632/4 N4A | 132SA4 | 915 | 590 | 515 | 698 | 375 | 450 | 232 | 750 | 450 | 750 | 1265 | M8x30 | 255 | 1040 | 372 | 337 | 762 | 702 | 360 | 461 | 52 | 314 | 23 | 513 | 23 | 873 | 12 | 17 | 942 | 255 | 314 | 360 | 513 | 873 |
| FR 632/6 N4A | 100LA6 | 815 | 590 | 515 | 698 | 375 | 450 | 232 | 750 | 450 | 750 | 1265 | M8x30 | 255 | 1040 | 324 | 289 | 762 | 702 | 295 | 461 | 52 | 249 | 23 | 513 | 23 | 808 | 12 | 17 | 872 | 255 | 249 | 295 | 513 | 808 |

[1] Con rodete de refrigeración

* Según tamaño motor

## DIMENSIONES (mm)

Modelos desde 561 hasta 631




Brida aspiración

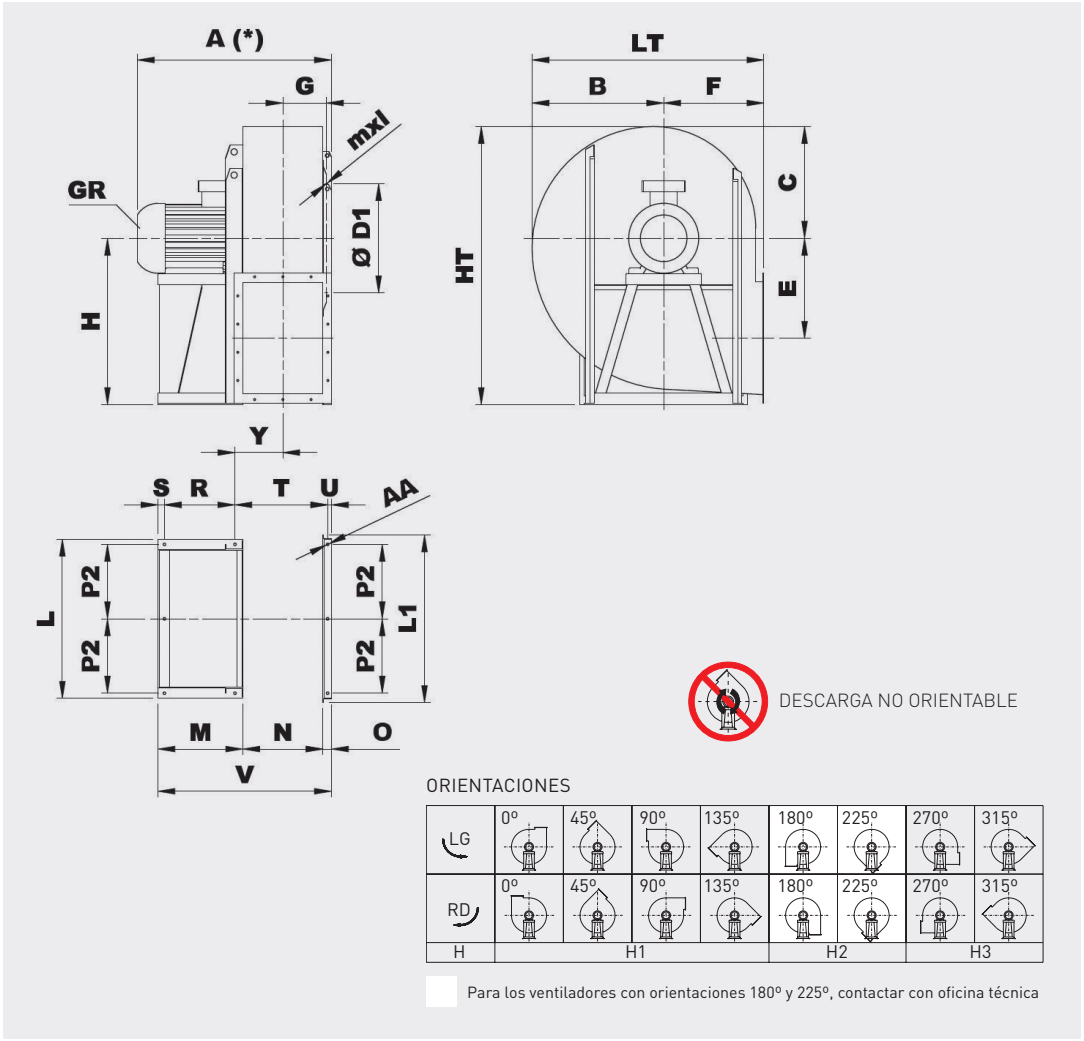
| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 561 | 560 | 629 | 566 | 666 | 10 | 12 |
| 631 | 630 | 698 | 636 | 736 | 10 | 12 |

Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 561 | 560x400 | 569 | 404 | 629 | 464 | 669 | 504 | 160 | 14 | 3+3 | 4+4 |
| 631 | 630x450 | 638 | 453 | 698 | 513 | 738 | 553 | 160 | 14 | 3+3 | 4+4 |

## DIMENSIONES (mm)

Modelos desde 711 hasta 1401




Para los ventiladores con orientaciones 180º y 225º, contactar con oficina técnica

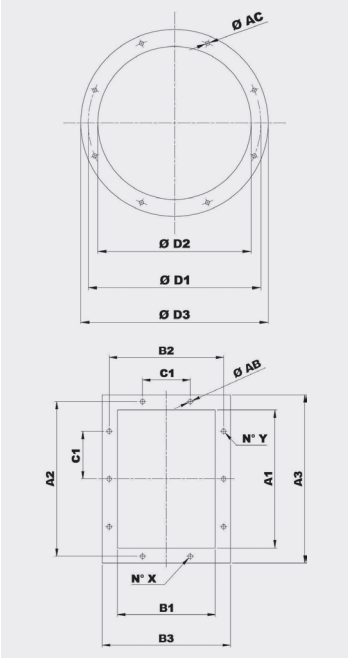
| Modelo | | | | | | | | | | | | | | | Base | | | | | | | | | | | | Ejecución 4B[1] | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Motor GR | A* | B | C | ØD1 | E | F | G | H | | | HT | mxl | Y | LT | L | L1 | M | N | O | P2 | R | S | T | U | V | ØAA | A | Y | R | M | T | V |
| | | | | | | | | | H1 | H2 | H3 | | | | | | | | | | | | | | | | | | | | | | |
| FR 711/4 N4A | 160L4 | 1065 | 665 | 565 | 775 | 431 | 500 | 258 | 670 | 500 | 850 | 1415 | M10x30 | 314 | 1165 | 836 | 896 | 471 | 507 | 60 | 386 | 372 | 39 | 600 | 27 | 1038 | 19 | 1120 | 314 | 372 | 471 | 600 | 1038 |
| FR 711/6 N4A | 132MA6 | 980 | 665 | 565 | 775 | 431 | 500 | 258 | 670 | 500 | 850 | 1415 | M10x30 | 314 | 1165 | 836 | 896 | 362 | 507 | 60 | 386 | 263 | 39 | 600 | 27 | 929 | 19 | 1035 | 314 | 263 | 362 | 600 | 929 |
| FR 712/4 N4A | 160M4 | 1065 | 665 | 565 | 775 | 431 | 500 | 258 | 670 | 500 | 850 | 1415 | M10x30 | 314 | 1165 | 836 | 896 | 471 | 507 | 60 | 386 | 372 | 39 | 600 | 27 | 1038 | 19 | 1120 | 314 | 372 | 471 | 600 | 1038 |
| FR 712/6 N4A | 132SA6 | 980 | 665 | 565 | 775 | 431 | 500 | 258 | 670 | 500 | 850 | 1415 | M10x30 | 314 | 1165 | 836 | 896 | 362 | 507 | 60 | 386 | 263 | 39 | 600 | 27 | 929 | 19 | 1035 | 314 | 263 | 362 | 600 | 929 |
| FR 801/4 N4A | 180L4 | 1230 | 740 | 630 | 861 | 482 | 560 | 290 | 750 | 560 | 950 | 1580 | M10x30 | 345 | 1300 | 926 | 986 | 540 | 569 | 60 | 431 | 441 | 39 | 662 | 27 | 1169 | 19 | 1285 | 345 | 441 | 540 | 662 | 1169 |
| FR 801/6 N4A | 160M6 | 1130 | 740 | 630 | 861 | 482 | 560 | 290 | 750 | 560 | 950 | 1580 | M10x30 | 345 | 1300 | 926 | 986 | 471 | 569 | 60 | 431 | 372 | 39 | 662 | 27 | 1100 | 19 | 1185 | 345 | 372 | 471 | 662 | 1100 |
| FR 802/4 N4A | 180M4 | 1230 | 740 | 630 | 861 | 482 | 560 | 290 | 750 | 560 | 950 | 1580 | M10x30 | 345 | 1300 | 926 | 986 | 540 | 569 | 60 | 431 | 441 | 39 | 662 | 27 | 1169 | 19 | 1285 | 345 | 441 | 540 | 662 | 1169 |
| FR 802/6 N4A | 132MB6 | 1045 | 740 | 630 | 861 | 482 | 560 | 290 | 750 | 560 | 950 | 1580 | M10x30 | 345 | 1300 | 926 | 986 | 362 | 569 | 60 | 431 | 263 | 39 | 662 | 27 | 991 | 19 | 1100 | 345 | 263 | 362 | 662 | 991 |
| FR 901/4 N4A | 225M4 | 1390 | 830 | 705 | 958 | 543 | 630 | 321 | 850 | 630 | 1060 | 1765 | M10x30 | 379 | 1460 | 1026 | 1086 | 540 | 638 | 60 | 481 | 441 | 39 | 731 | 27 | 1238 | 19 | 1495 | 379 | 523 | 622 | 731 | 1320 |
| FR 901/6 N4A | 180L6 | 1300 | 830 | 705 | 958 | 543 | 630 | 321 | 850 | 630 | 1060 | 1765 | M10x30 | 379 | 1460 | 1026 | 1086 | 543 | 638 | 60 | 481 | 441 | 39 | 731 | 27 | 1238 | 19 | 1353 | 434 | 441 | 543 | 786 | 1238 |
| FR 902/4 N4A | 225S4 | 1390 | 830 | 705 | 958 | 543 | 630 | 321 | 850 | 630 | 1060 | 1765 | M10x30 | 379 | 1460 | 1026 | 1086 | 540 | 638 | 60 | 481 | 441 | 39 | 731 | 27 | 1238 | 19 | 1495 | 379 | 523 | 622 | 731 | 1320 |
| FR 902/6 N4A | 160L6 | 1200 | 830 | 705 | 958 | 543 | 630 | 321 | 850 | 630 | 1060 | 1765 | M10x30 | 379 | 1460 | 1026 | 1086 | 474 | 638 | 60 | 481 | 372 | 39 | 731 | 27 | 1169 | 19 | 1235 | 379 | 372 | 474 | 731 | 1169 |
| FR 1001/4 N4A | 280S4 | 1700 | 935 | 795 | 1067 | 610 | 710 | 361 | 950 | 710 | 1180 | 1975 | M10x30 | 413 | 1645 | 1128 | 1188 | 690 | 715 | 60 | 528 | 590 | 45 | 803 | 27 | 1465 | 19 | 1720 | 413 | 670 | 770 | 803 | 1545 |
| FR 1001/6 N4A | 200L6 | 1435 | 935 | 795 | 1067 | 610 | 710 | 361 | 950 | 710 | 1180 | 1975 | M10x30 | 413 | 1645 | 1128 | 1188 | 500 | 715 | 60 | 528 | 400 | 45 | 803 | 27 | 1275 | 19 | 1494 | 413 | 455 | 555 | 803 | 1330 |
| FR 1002/4 N4A | 250M4 | 1530 | 935 | 795 | 1067 | 610 | 710 | 361 | 950 | 710 | 1180 | 1975 | M10x30 | 413 | 1645 | 1128 | 1188 | 600 | 715 | 60 | 528 | 500 | 45 | 803 | 27 | 1375 | 19 | 1655 | 413 | 590 | 690 | 803 | 1465 |
| FR 1002/6 N4A | 200LR6 | 1435 | 935 | 795 | 1067 | 610 | 710 | 361 | 950 | 710 | 1180 | 1975 | M10x30 | 413 | 1645 | 1128 | 1188 | 500 | 715 | 60 | 528 | 400 | 45 | 803 | 27 | 1275 | 19 | 1494 | 413 | 455 | 555 | 803 | 1330 |
| FR 1121/6 N4A | 250M6 | 1640 | 1065 | 895 | 1200 | 683 | 800 | 402 | 1060 | 800 | 1320 | 2215 | M10x30 | 481 | 1865 | 1268 | 1348 | 600 | 801 | 80 | 589 | 475 | 45 | 926 | 35 | 1481 | 24 | 1736 | 481 | 540 | 665 | 926 | 1546 |
| FR 1122/6 N4A | 225M6 | 1574 | 1065 | 895 | 1200 | 683 | 800 | 402 | 1060 | 800 | 1320 | 2215 | M10x30 | 481 | 1865 | 1268 | 1348 | 540 | 801 | 80 | 589 | 415 | 45 | 926 | 35 | 1421 | 24 | 1660 | 481 | 483 | 608 | 926 | 1489 |
| FR 1251/6 N4A | 315S6 | 1895 | 1180 | 1005 | 1337 | 770 | 900 | 451 | 1180 | 900 | 1500 | 2505 | M10x40 | 530 | 2080 | 1400 | 1480 | 816 | 898 | 80 | 655 | 691 | 45 | 1023 | 35 | 1794 | 24 | 2027 | 530 | 754 | 879 | 1023 | 1857 |
| FR 1252/6 N4A | 280M6 | 1885 | 1180 | 1005 | 1337 | 770 | 900 | 451 | 1180 | 900 | 1500 | 2505 | M10x40 | 529 | 2080 | 1400 | 1480 | 690 | 898 | 80 | 655 | 565 | 45 | 1023 | 35 | 1668 | 24 | 1903 | 529 | 625 | 750 | 1023 | 1728 |
| FR 1401/6 N4A | 315MA6 | 2005 | 1365 | 1115 | 1491 | 854 | 1000 | 506 | 1320 | 1000 | 1700 | 2815 | M10x40 | 604 | 2365 | 1560 | 1640 | 800 | 1007 | 80 | 725 | 645 | 55 | 1152 | 35 | 1887 | 24 | 2133 | 604 | 721 | 876 | 1152 | 1963 |
| FR 1402/6 N4A | 315M6 | 2005 | 1365 | 1115 | 1491 | 854 | 1000 | 506 | 1320 | 1000 | 1700 | 2815 | M10x40 | 604 | 2365 | 1560 | 1640 | 800 | 1007 | 80 | 725 | 645 | 55 | 1152 | 35 | 1887 | 24 | 2133 | 604 | 721 | 876 | 1152 | 1963 |

[1] Con rodete de refrigeración

* Según tamaño motor

## DIMENSIONES (mm)

Modelos desde 711 hasta 1401




Brida aspiración

| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 711 | 710 | 775 | 716 | 816 | 12 | 16 |
| 801 | 800 | 861 | 806 | 906 | 12 | 16 |
| 901 | 900 | 958 | 906 | 1006 | 12 | 16 |
| 1001 | 1000 | 1067 | 1007 | 1107 | 12 | 24 |
| 1121 | 1120 | 1200 | 1128 | 1248 | 12 | 24 |
| 1251 | 1250 | 1337 | 1260 | 1380 | 12 | 24 |
| 1401 | 1400 | 1491 | 1420 | 1540 | 12 | 32 |

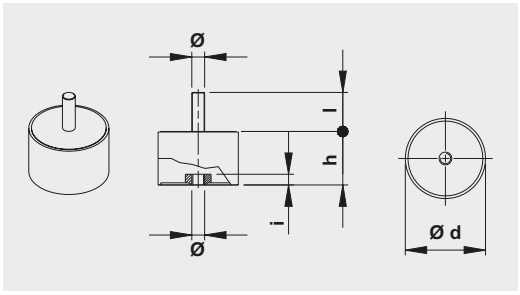
Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 711 | 710x500 | 715 | 507 | 775 | 567 | 815 | 607 | 160 | 14 | 3+3 | 5+5 |
| 801 | 800x560 | 801 | 569 | 871 | 639 | 921 | 689 | 200 | 14 | 3+3 | 4+4 |
| 901 | 900x630 | 898 | 638 | 968 | 708 | 1018 | 758 | 200 | 14 | 4+4 | 5+5 |
| 1001 | 1000x710 | 1007 | 715 | 1077 | 785 | 1127 | 835 | 200 | 14 | 4+4 | 5+5 |
| 1121 | 1120x800 | 1130 | 801 | 1210 | 881 | 1270 | 941 | 200 | 18 | 4+4 | 6+6 |
| 1251 | 1250x900 | 1267 | 898 | 1347 | 978 | 1407 | 1038 | 200 | 18 | 5+5 | 7+7 |
| 1401 | 1400x1000 | 1421 | 1007 | 1501 | 1087 | 1561 | 1147 | 200 | 18 | 5+5 | 7+7 |

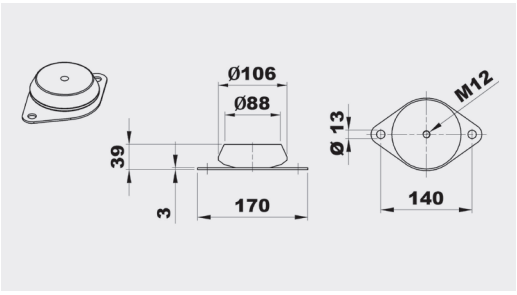
## AMORTIGUADORES

Amortiguadores recomendados

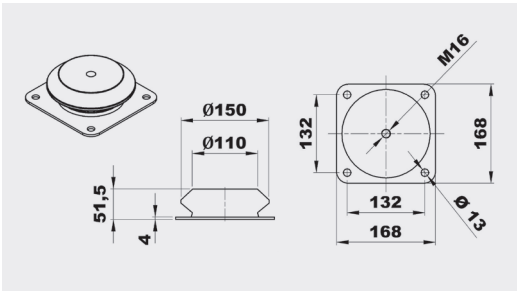
| Ventilador | Ejecución 4 |
|---|---|
| 251/2 | 4 x AM 20 - 20x20 |
| 281/2 | 4 x AM 20 - 20x20 |
| 311/2 | 4 x AM 25 - 25x20 |
| 351/2 | 4 x AM 25 - 25x20 |
| 401/2 | 4 x AM 30 - 30x30 |
| 451/2 | 4 x AM 30 - 30x30 |
| 501/2 | 4 x AM 40 - 40x30 |
| 561/2 | 4 x AM 40 - 40x30 |
| 631/2 | 4 x AM 40 - 40x30 |
| 711/2 | 4 x AM 50 - 50x40 |
| 801/2 | 4 x AM 75 -75x50 |
| 901/2 | 4 x AM 75 - 75x50 |
| 1001/2 | 6 x AM 75 - 75x50 |
| 1121/2 | 6 x AZ 39 - 140x39 |
| 1251/2 | 6 x AZ 39 - 140x39 |
| 1401/2 | 6 x AZ 51 - 132x51 |




| Tipo | Carga para 4 soportes (kg) | d | h | Ø | l | Peso (kg) |
|---|---|---|---|---|---|---|
| AM 20 | 11÷40 | 20 | 20 | M6 | 15 | 0,02 |
| AM 25 | 41÷80 | 25 | 20 | M6 | 18 | 0,03 |
| AM 30 | 81÷140 | 30 | 30 | M8 | 20 | 0,05 |
| AM 40 | 141÷224 | 40 | 30 | M8 | 23 | 0,10 |
| AM 50 | 225÷315 | 50 | 40 | M10 | 28 | 0,20 |
| AM 75 | 316÷630 | 75 | 50 | M12 | 37 | 0,50 |

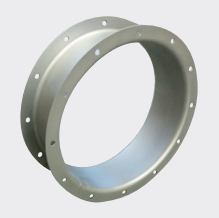



| Tipo | Carga para 4 soportes (kg) | Peso (kg) |
|---|---|---|
| AZ 39 | 631÷1250 | 0,7 |

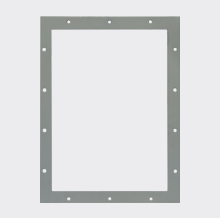



| Tipo | Carga para 4 soportes (kg) | Peso (kg) |
|---|---|---|
| AZ 51 | 1251÷2500 | 1,8 |

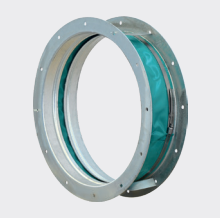
## ACCESORIOS



**CA (CFH1) - CFH2 - CFH3**
Contrabrida - Brida plana circular.



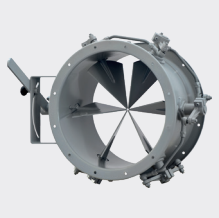
**CP**
Brida plana rectangular.



**GA**
Junta flexible aspiración.



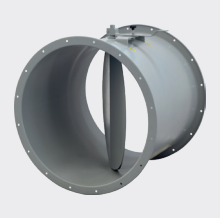
**GP**
Junta flexible descarga.



**DP**
Regulador de caudal de aspiración.



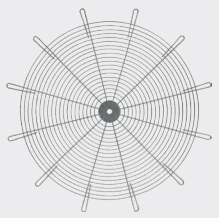
**SAD**
Compuerta de regulación de caudal de descarga.



**SF**
Vávula mariposa.



**DF**
Filtro en la aspiración.



**RC**
Rejilla de protección para la aspiración.



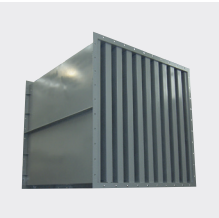
**AM/AZ**
Soportes antivibratorios.



**SCSO**
Silenciador cilíndrico.



**SCCO**
Silenciador cilíndrico con bulbo.



**SASS**
Silenciador rectangular.



**CI**
Cabina de insonorización.

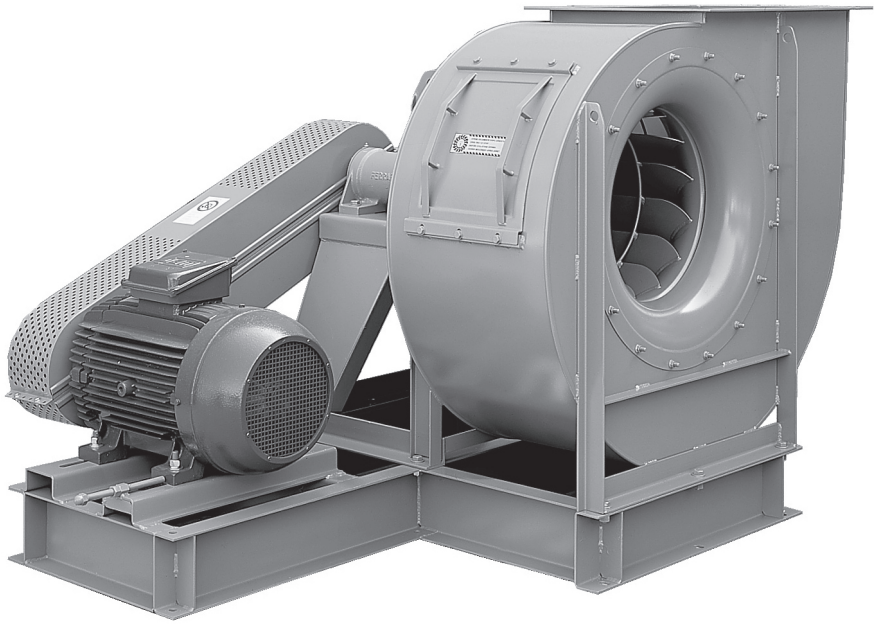
Ver información completa en página **772**.

# FR

## VENTILADORES CENTRÍFUGOS DE BAJA PRESIÓN

*TRANSMISIÓN*

Ventilador centrífugo con accionamiento por poleas y correas y simple aspiración. Fabricados en chapa de acero protegida contra la corrosión mediante tratamiento por cataforesis + pintura poliuretana. Temperaturas del aire a transportar -20ºC/+100ºC en continuo.



APLICACIONES

**Aire a transportar**
Aire limpio

**Cantidad de polvo (mg/m³)**
<50



Rodete de álabes curvados hacia atrás

### Sistemas de montaje

- SISTEMA 1: eje libre, para acoplamiento mediante poleas y correas.
- SISTEMA 9: incluye motor, poleas, correas y protector de correas. Motor montado en el lateral del pie soporte rodamientos.
- SISTEMA 12: incluye motor, poleas, correas y protector de correas. Motor montado sobre la bancada general.

### Motores

De 2, 4 o 6 polos, de alta eficiencia IE 3* (las r.p.m. de cada motor se adaptarán al cálculo de cada transmisión), tensión de alimentación trifásica 230/400V 50Hz hasta tamaño motor 112 y 400/690V 50Hz para motores de mayor dimensión. Protección IP55, Clase F.

* Entre 75 y 200kW, los motores suministrados serán IE4.

### Bajo pedido

- Fabricación en diferentes materiales constructivos.
- Motores de 2 velocidades.
- Versiones de 60 Hz.
- Pintura en diferentes RAL.
- Versión para alta temperatura: hasta 300ºC (versiones B: con rodete de refrigeración).
- Trampilla de inspección, purga de drenaje, distintos tipos de estanqueidad a nivel de voluta y de paso de eje.
- Ventiladores estancos.
- Calorifugado.

### Versiones ATEX

Bajo pedido, versiones antiexplosivas según la Directiva ATEX para modelos trifásicos:
Para trabajar a temperaturas de -20ºC a +60ºC, presión ambiente (absoluta) de 0,8 bar hasta 1,1 bar, según EN 14986.

- Gas:
  - Ex 2G IIB T2-T3
  - Ex 2G IIB+H2 T2-T3
  - Ex 3G IIB T2-T3
  - Ex 3G IIB+H2 T2-T3
- Polvo no conductivo:
  - Ex 2D IIIB T195°C-T295°C
  - Ex 3D IIIB T195°C-T295°C
- Polvo conductivo (con motor IP65 IIIC):
  - Ex 2D IIIC T195°C-T295°C
  - Ex 3D IIIC T195°C-T295°C

## CARACTERÍSTICAS TÉCNICAS

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación.

| Modelo | Caudal máximo ($m^3/h$) | Potencia motor máxima (kW) | Peso (kg)[1] | Momento de inercia ($kg \cdot m^2$)[2] |
|---|---|---|---|---|
| FR 251 N1A | 5.440 | 4,00 | 29 | 0,035 |
| FR 281 N1A | 6.780 | 5,50 | 39 | 0,055 |
| FR 311 N1A | 8.700 | 7,50 | 44 | 0,090 |
| FR 351 N1A | 11.520 | 11,00 | 70 | 0,150 |
| FR 401 N1A | 15.370 | 11,00 | 83 | 0,270 |
| FR 451 N1A | 19.610 | 15,00 | 97 | 0,480 |
| FR 501 N1A | 23.880 | 18,50 | 138 | 0,830 |
| FR 561 N1A | 29.680 | 22,00 | 172 | 1,330 |
| FR 631 N1A | 37.660 | 30,00 | 222 | 2,180 |
| FR 711 N1A | 46.680 | 37,00 | 276 | 3,830 |
| FR 801 N1A | 60.630 | 55,00 | 348 | 7,000 |
| FR 901 N1A | 75.650 | 75,00 | 430 | 11,800 |
| FR 1001 N1A | 96.350 | 75,00 | 566 | 19,500 |
| FR 1121 N1A | 118.520 | 90,00 | 864 | 33,500 |
| FR 1251 N1A | 152.170 | 110,00 | 1.104 | 59,500 |
| FR 1401 N1A | 189.760 | 132,00 | 1.574 | 105,000 |
| FR 1601 N1A | 239.860 | 200,00 | 2.007 | 177,000 |
| FR 1801 N1A | 306.000 | 225,00 | 2.776 | 327,000 |
| FR 2001 N1A | 377.400 | 250,00 | 3.390 | 514,000 |

[1] Para ejecución 1 y orientación LG270 o RD270
[2] Momento de inercia del rodete

SOPORTES SISTEMA 1

| Modelo | 251 | 281-311 | 351 | 401-451 | 501 | 561 | 631 |
|---|---|---|---|---|---|---|---|
| Soporte tipo | ST 47 AL19 | ST 62 AL24 | ST 80 AL28 | ST 90 AL38 | ST 100 AL42 | ST 110 AL48 | ST 110 AL48 |

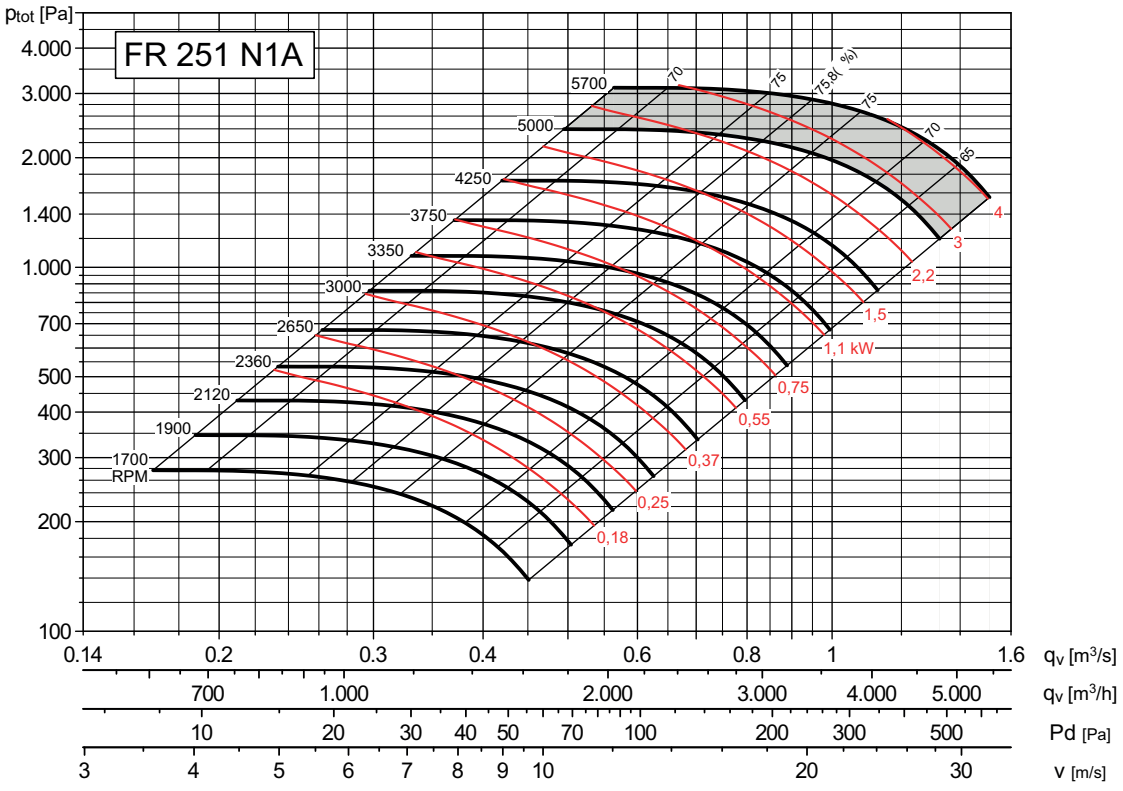
| Modelo | 711 | 801-901 | 1001 | 1121-1251 | 1401 | 1601 | 1801-2001 |
|---|---|---|---|---|---|---|---|
| Soporte tipo | ST 120 BL48 | ST 130 BL55 | SN 516 BL 65 | SN 518 BL 75 | SN 520 B/BL 80 | SN 522 B/BL 90 | SN 524 B/BL 100 |

MOTORES SISTEMA 9

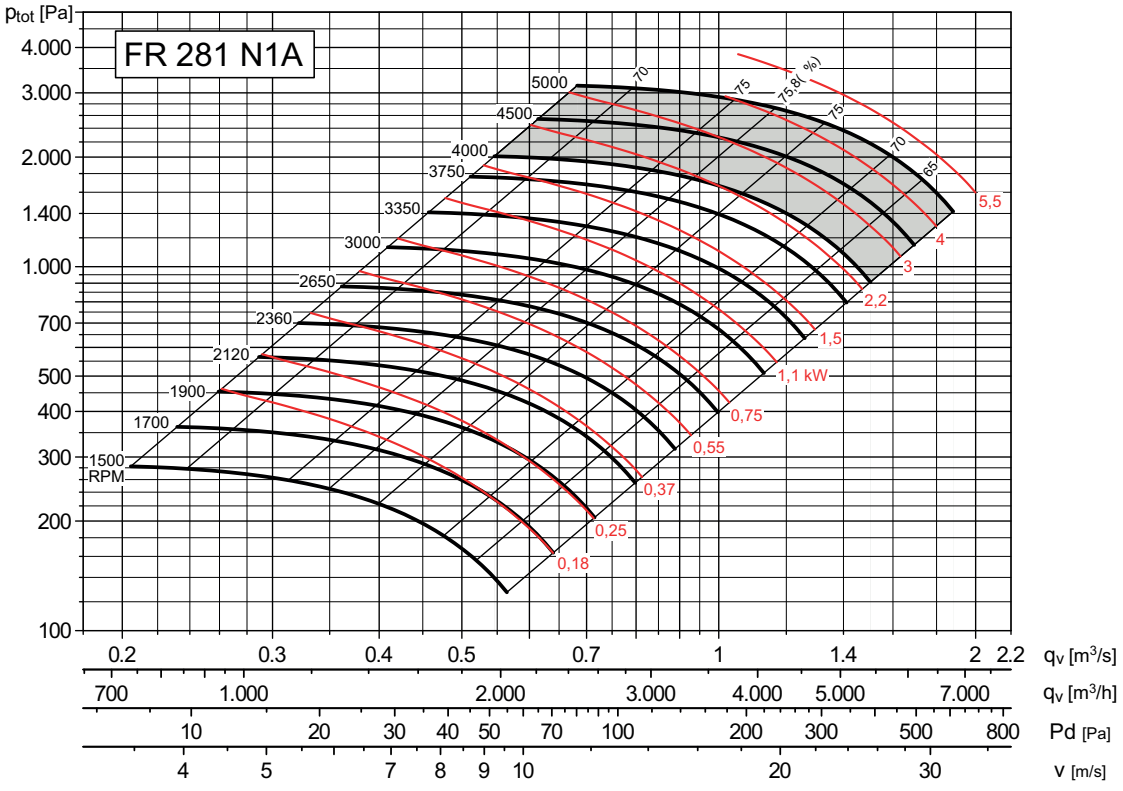
| Modelo | 251 | 281-311 | 351-451 | 501-631 | 711-901 | 1001-2001 |
|---|---|---|---|---|---|---|
| Tamaño motor | ⩽ 90 L2 | ⩽ 112 M2 | ⩽ 132 MB2 | ⩽ 160 L2-4 | ⩽ 180 L4 | ⩽ 200 L4-6 |

## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**



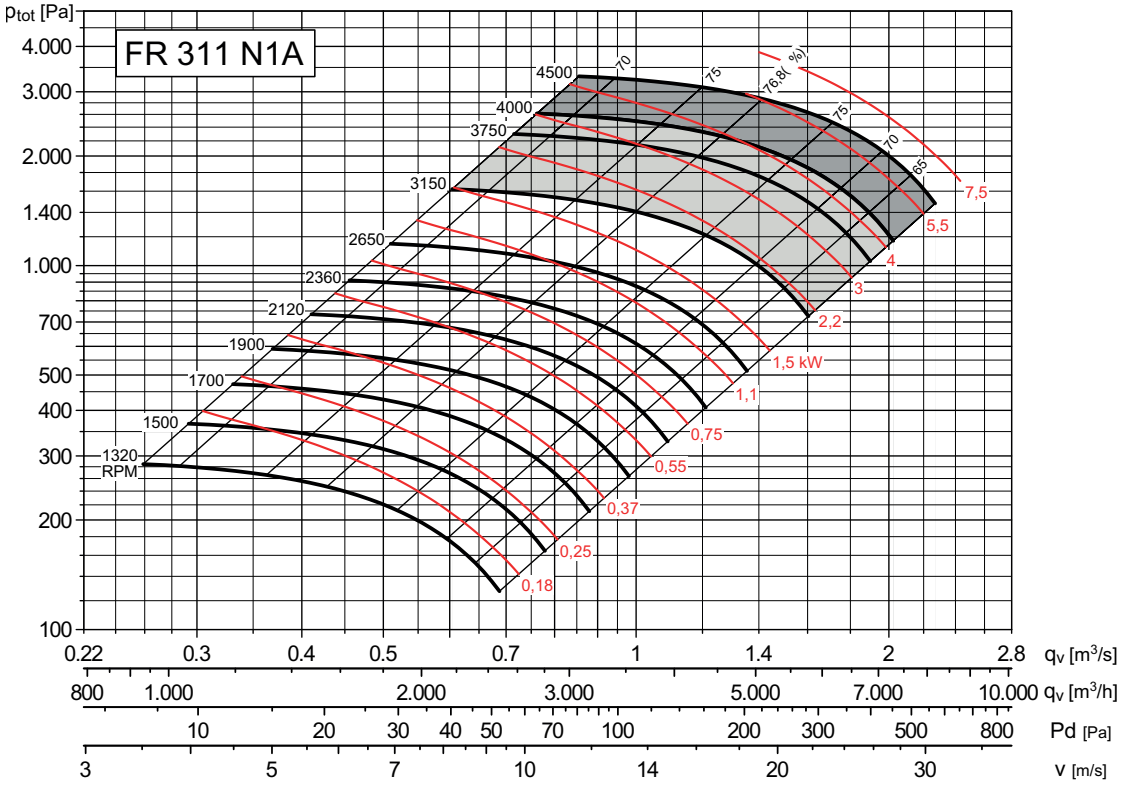

| MAX. RPM | Clase 1 | Clase 2 |
|---|---|---|
| ⩽ 100°C | 5000 | 5700 |
| 101 ÷ 200°C | 4500 | 5000 |
| 201 ÷ 300°C | 4000 | 4500 |



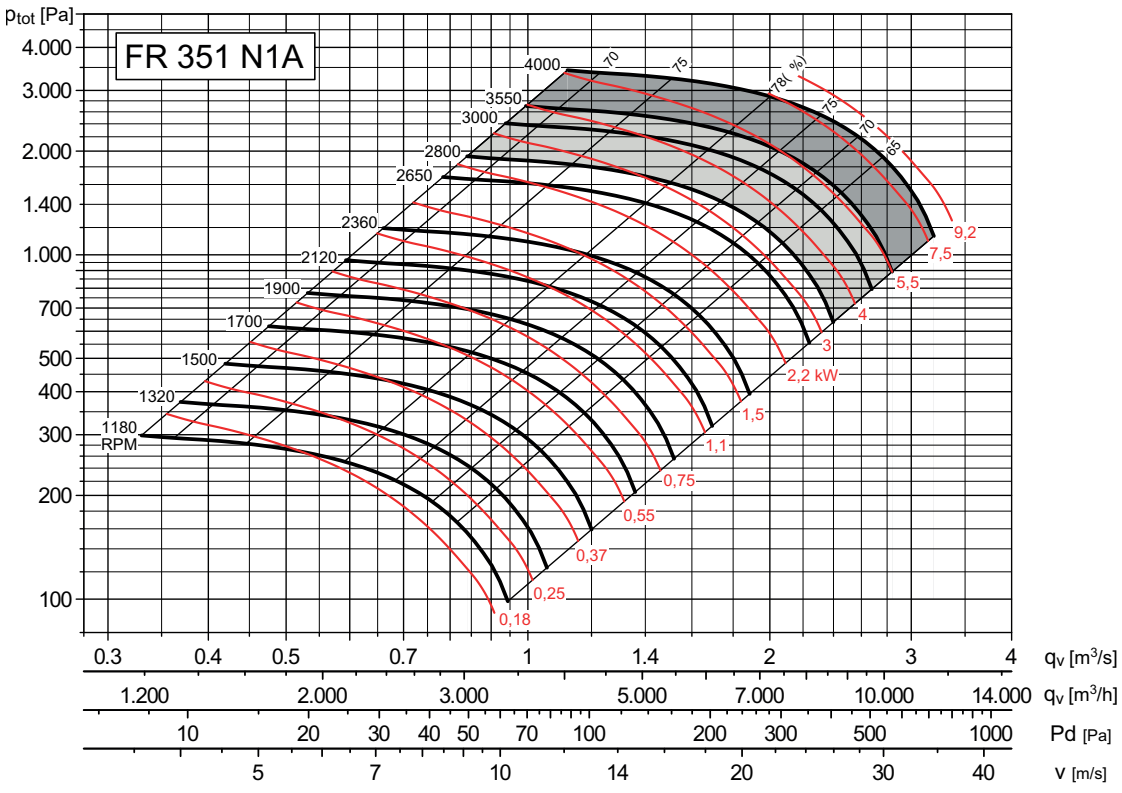

| MAX. RPM | Clase 1 | Clase 2 |
|---|---|---|
| ⩽ 100°C | 4000 | 5000 |
| 101 ÷ 200°C | 3550 | 4500 |
| 201 ÷ 300°C | 3150 | 4000 |

## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**



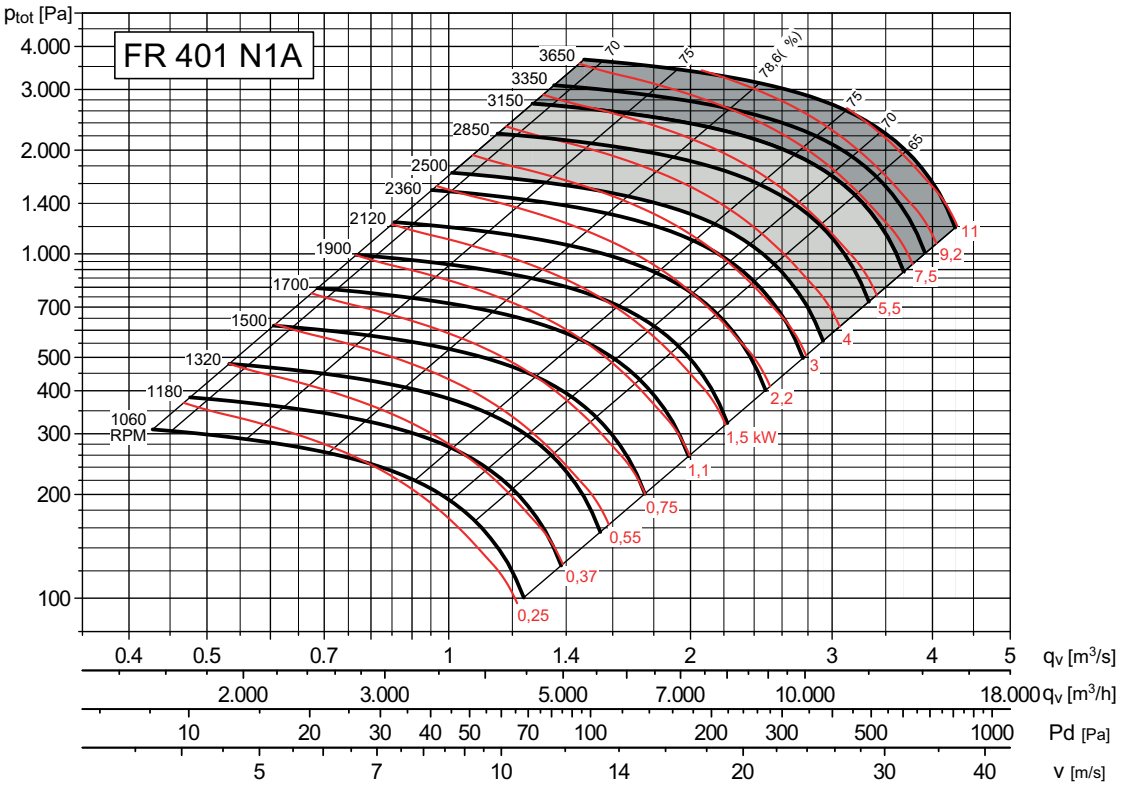

| MAX. RPM | Clase 1 | Clase 2 | Clase 3 |
|---|---|---|---|
| ⩽ 100°C | 3150 | 4000 | 4500 |
| 101 ÷ 220°C | 2800 | 3550 | 4000 |
| 201 ÷ 300°C | 2500 | 3150 | 3600 |



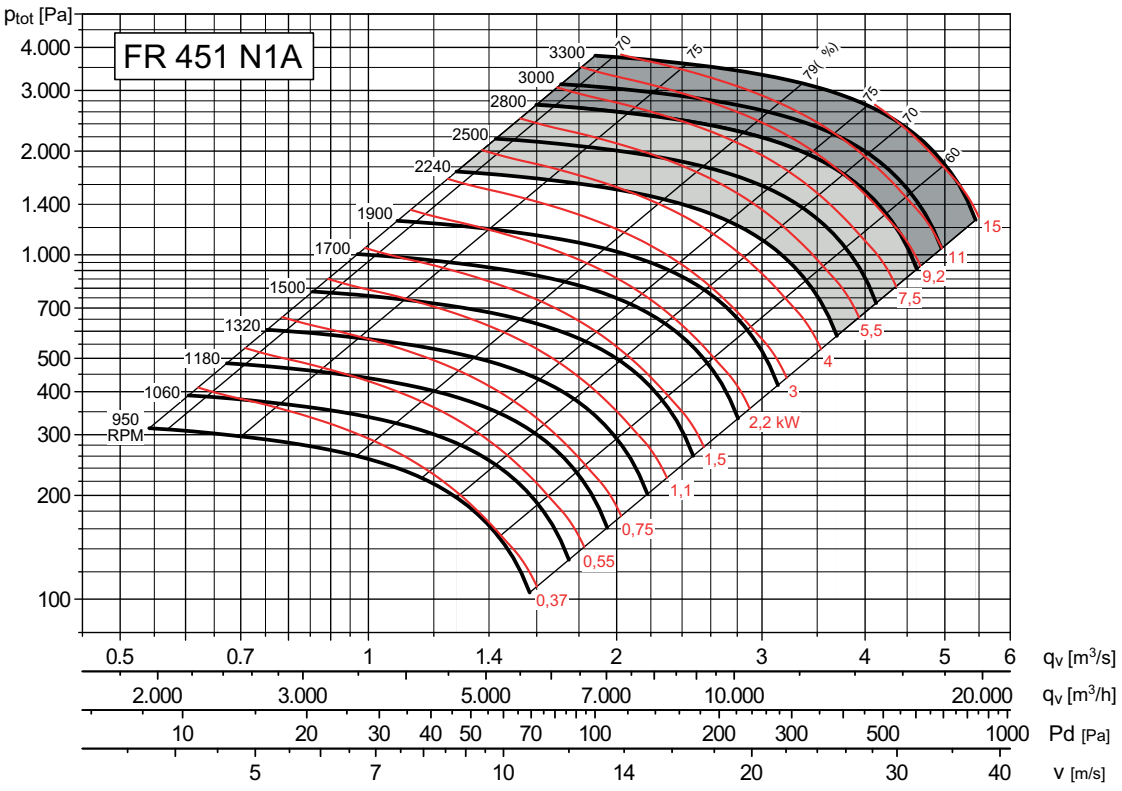

| MAX. RPM | Clase 1 | Clase 2 | Clase 3 |
|---|---|---|---|
| ⩽ 100°C | 2800 | 3550 | 4000 |
| 101 ÷ 220°C | 2500 | 3150 | 3600 |
| 201 ÷ 300°C | 2240 | 2800 | 3200 |

## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**



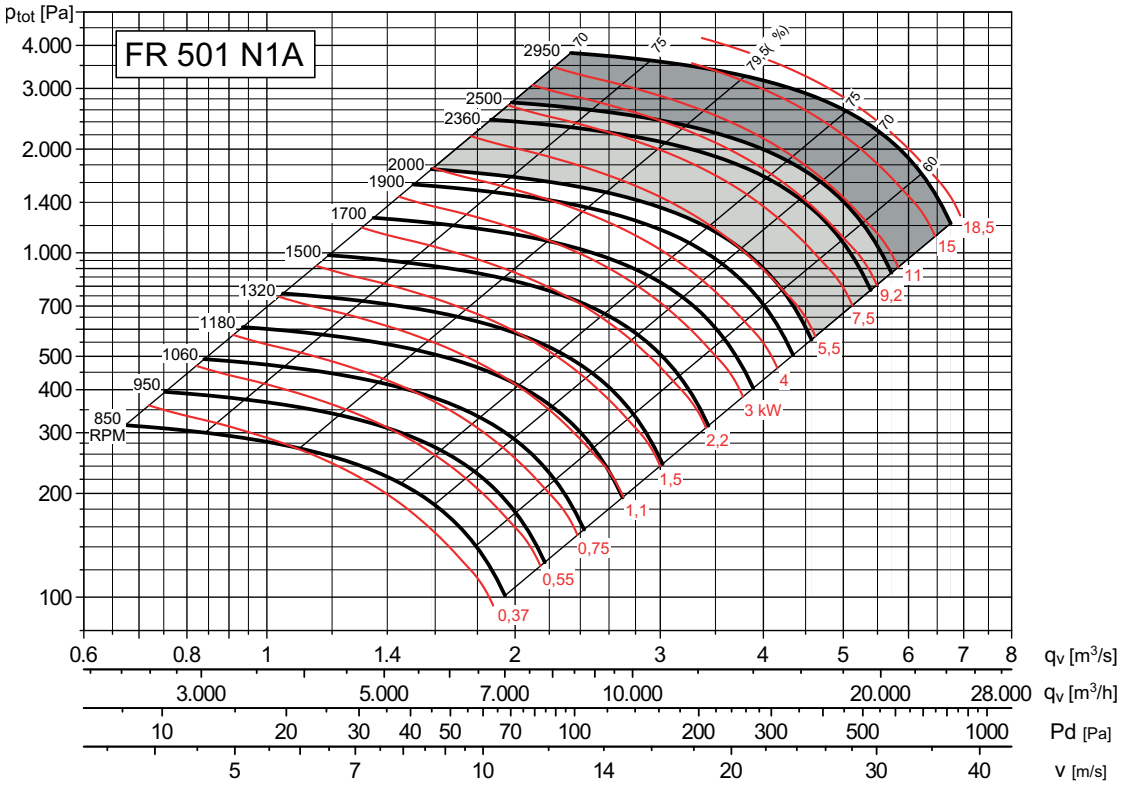

| MAX. RPM | Clase 1 | Clase 2 | Clase 3 |
|---|---|---|---|
| ≤ 100°C | 2500 | 3150 | 3650 |
| 101 ÷ 220°C | 2240 | 2800 | 3250 |
| 201 ÷ 300°C | 2000 | 2500 | 2900 |



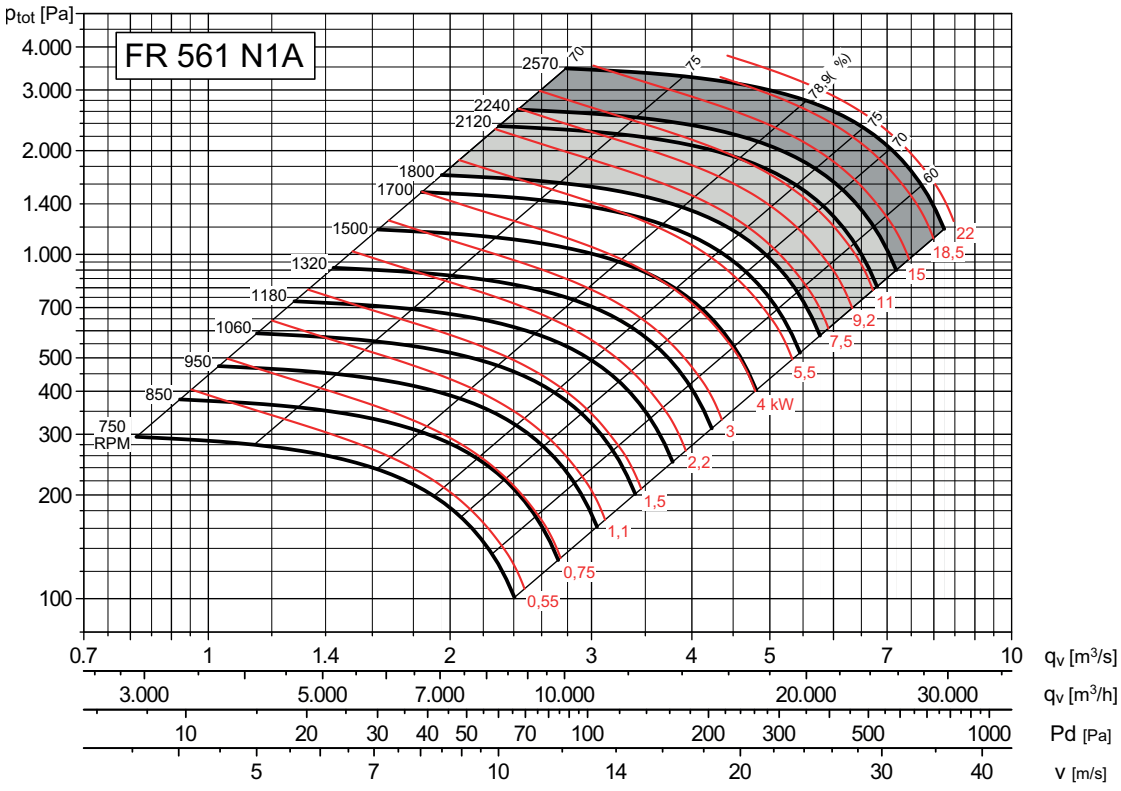

| MAX. RPM | Clase 1 | Clase 2 | Clase 3 |
|---|---|---|---|
| ≤ 100°C | 2240 | 2800 | 3300 |
| 101 ÷ 220°C | 2000 | 2500 | 2900 |
| 201 ÷ 300°C | 1800 | 2250 | 2600 |

## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**



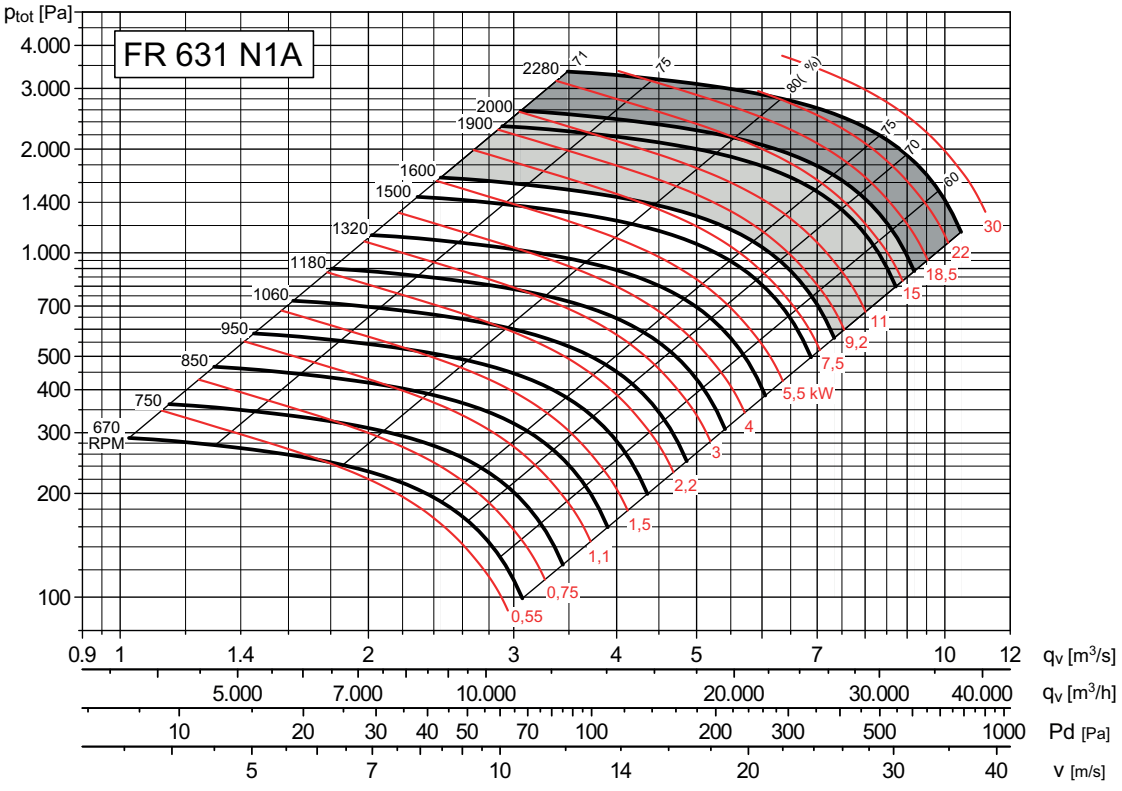

| MAX. RPM | Clase 1 | Clase 2 | Clase 3 |
|---|---|---|---|
| ⩽ 100°C | 2000 | 2500 | 2950 |
| 101 ÷ 220°C | 1800 | 2240 | 2800 |
| 201 ÷ 300°C | 1600 | 2000 | 2300 |



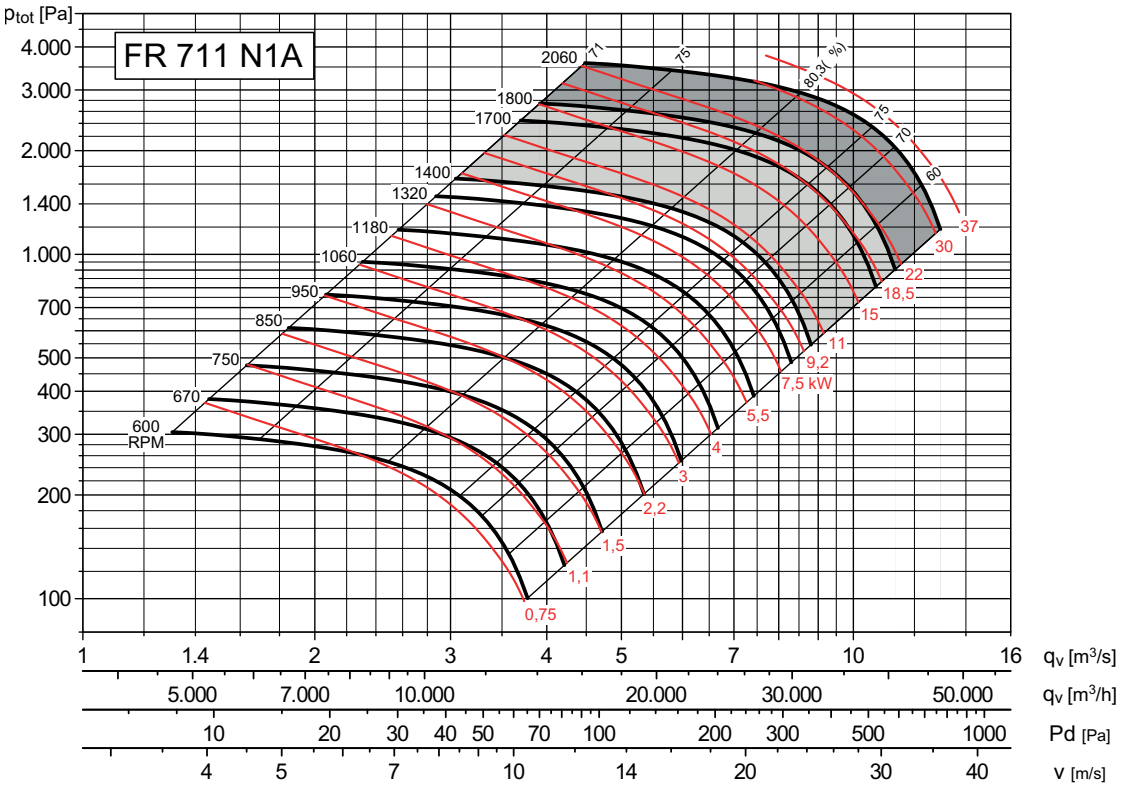

| MAX. RPM | Clase 1 | Clase 2 | Clase 3 |
|---|---|---|---|
| ⩽ 100°C | 1800 | 2240 | 2570 |
| 101 ÷ 220°C | 1600 | 2000 | 2300 |
| 201 ÷ 300°C | 1400 | 1800 | 2060 |

## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**



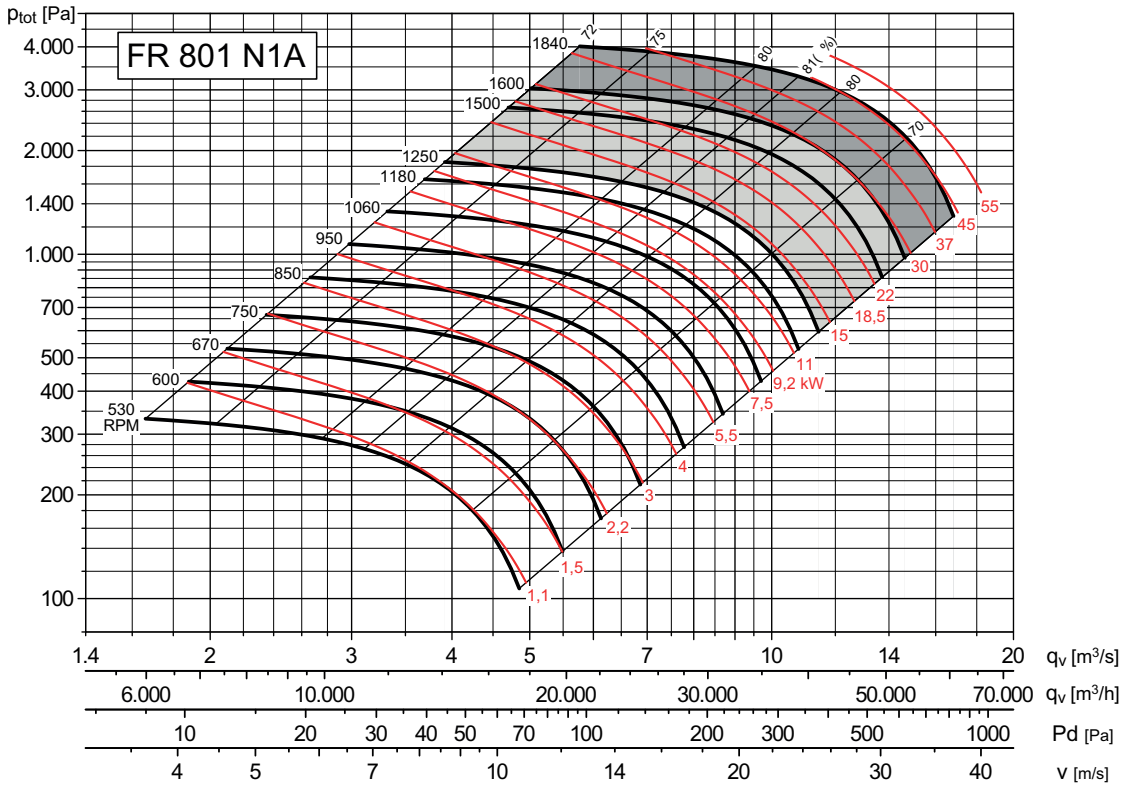

| MAX. RPM | Clase 1 | Clase 2 | Clase 3 |
|---|---|---|---|
| ≤ 100°C | 1600 | 2000 | 2280 |
| 101 ÷ 220°C | 1400 | 1800 | 2040 |
| 201 ÷ 300°C | 1250 | 1600 | 1820 |



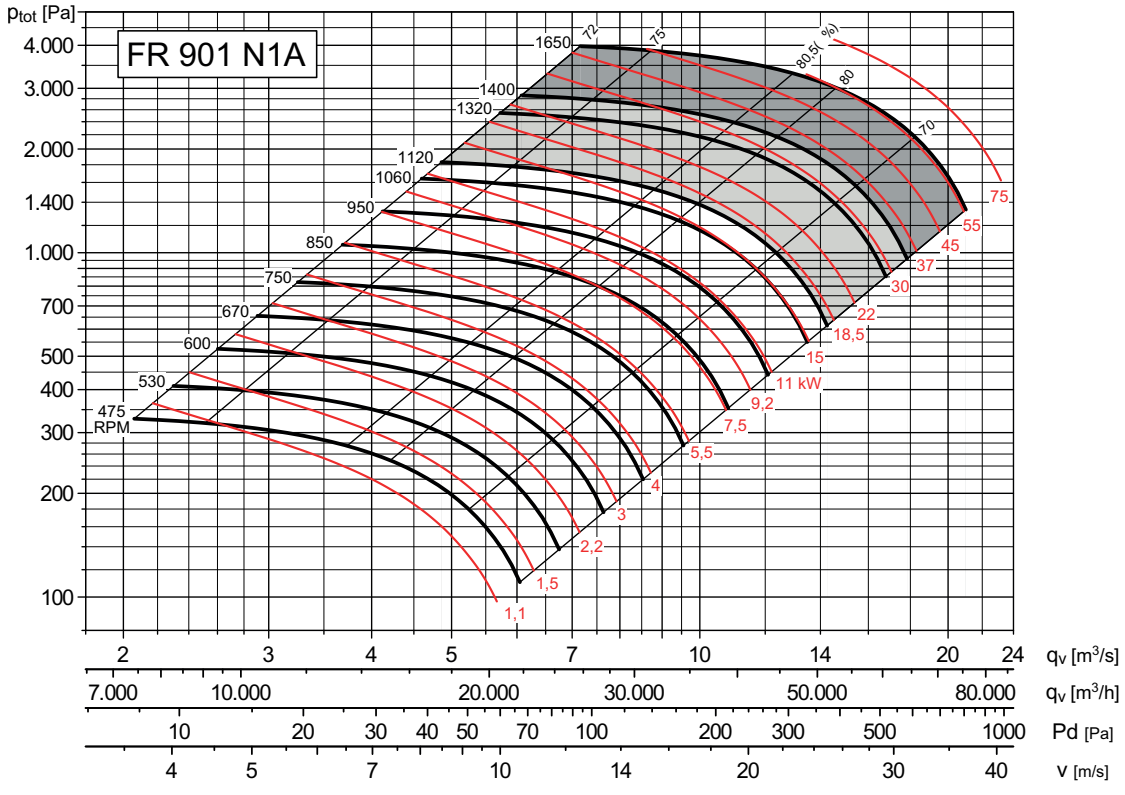

| MAX. RPM | Clase 1 | Clase 2 | Clase 3 |
|---|---|---|---|
| ≤ 100°C | 1400 | 1800 | 2060 |
| 101 ÷ 220°C | 1250 | 1600 | 1850 |
| 201 ÷ 300°C | 1120 | 1400 | 1650 |

## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**



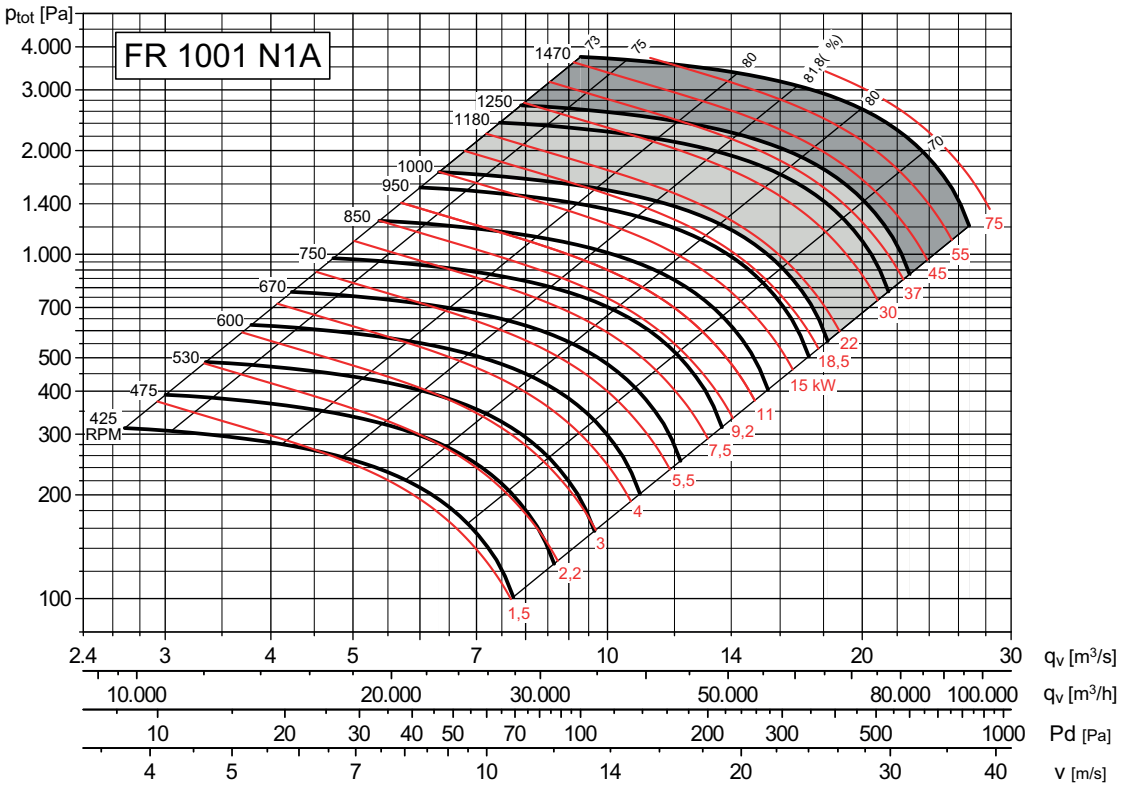

| MAX. RPM | Clase 1 | Clase 2 | Clase 3 |
|---|---|---|---|
| ⩽ 100°C | 1250 | 1600 | 1840 |
| 101 ÷ 220°C | 1120 | 1400 | 1650 |
| 201 ÷ 300°C | 1000 | 1250 | 1470 |



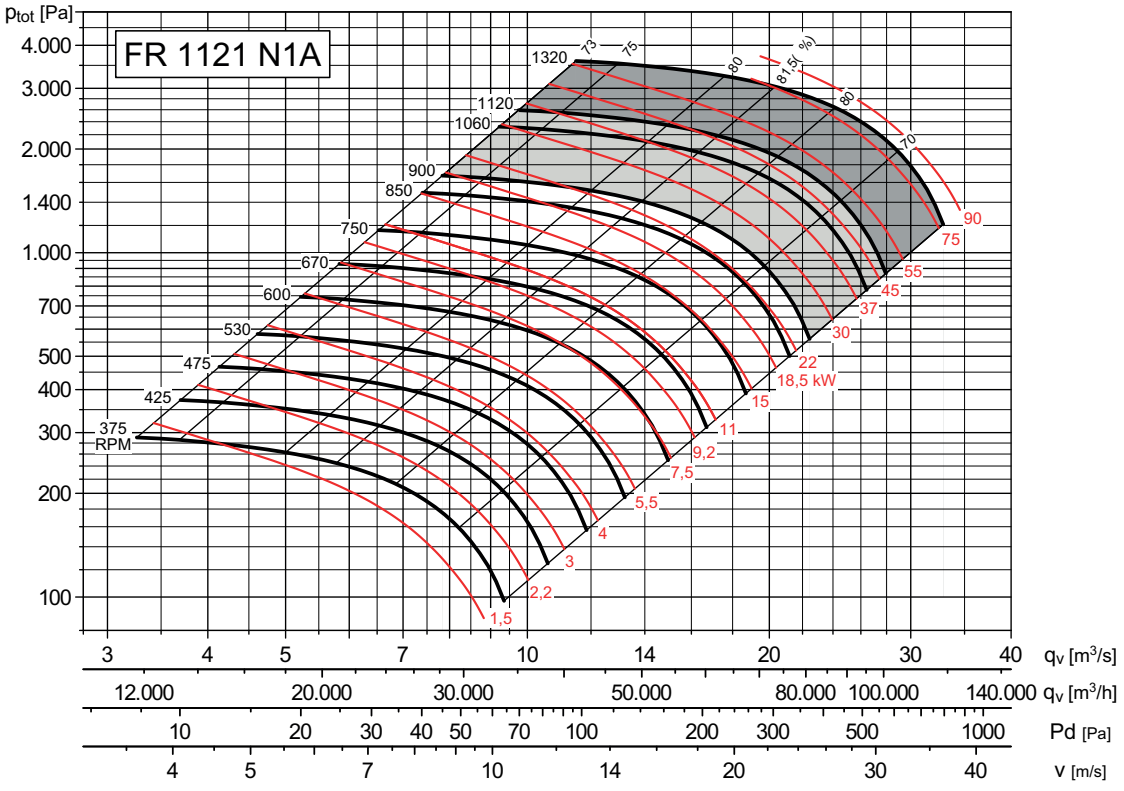

| MAX. RPM | Clase 1 | Clase 2 | Clase 3 |
|---|---|---|---|
| ⩽ 100°C | 1120 | 1400 | 1650 |
| 101 ÷ 220°C | 1000 | 1250 | 1470 |
| 201 ÷ 300°C | 900 | 1120 | 1290 |

## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**



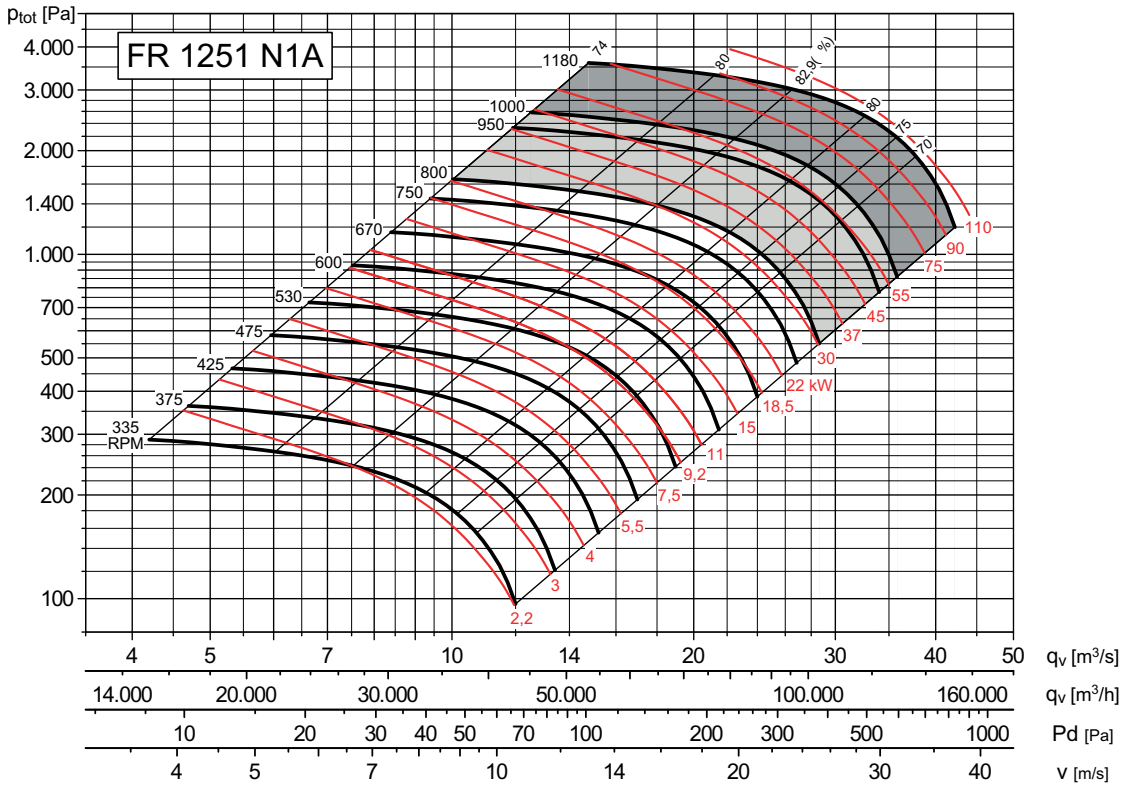

| MAX. RPM | Clase 1 | Clase 2 | Clase 3 |
|---|---|---|---|
| ≤ 100°C | 1000 | 1250 | 1470 |
| 101 ÷ 220°C | 900 | 1120 | 1290 |
| 201 ÷ 300°C | 800 | 1000 | 1150 |



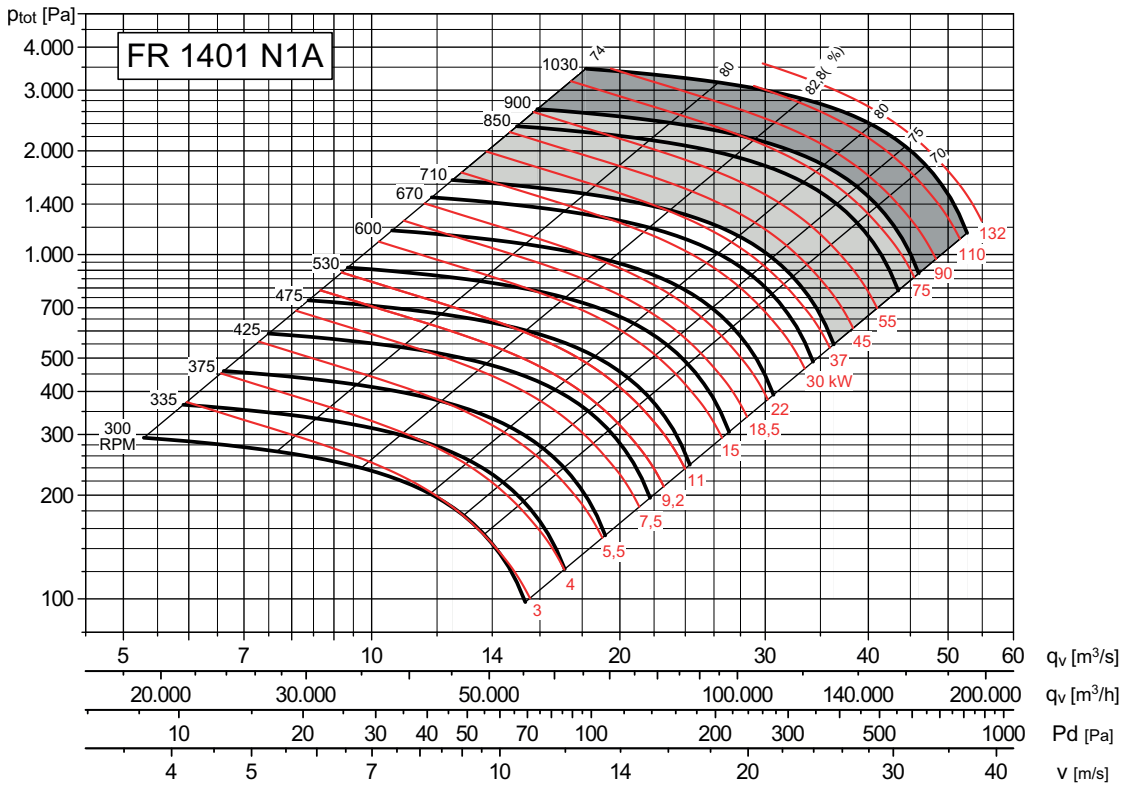

| MAX. RPM | Clase 1 | Clase 2 | Clase 3 |
|---|---|---|---|
| ≤ 100°C | 900 | 1120 | 1320 |
| 101 ÷ 220°C | 800 | 1000 | 1170 |
| 201 ÷ 300°C | 710 | 900 | 1050 |

## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**



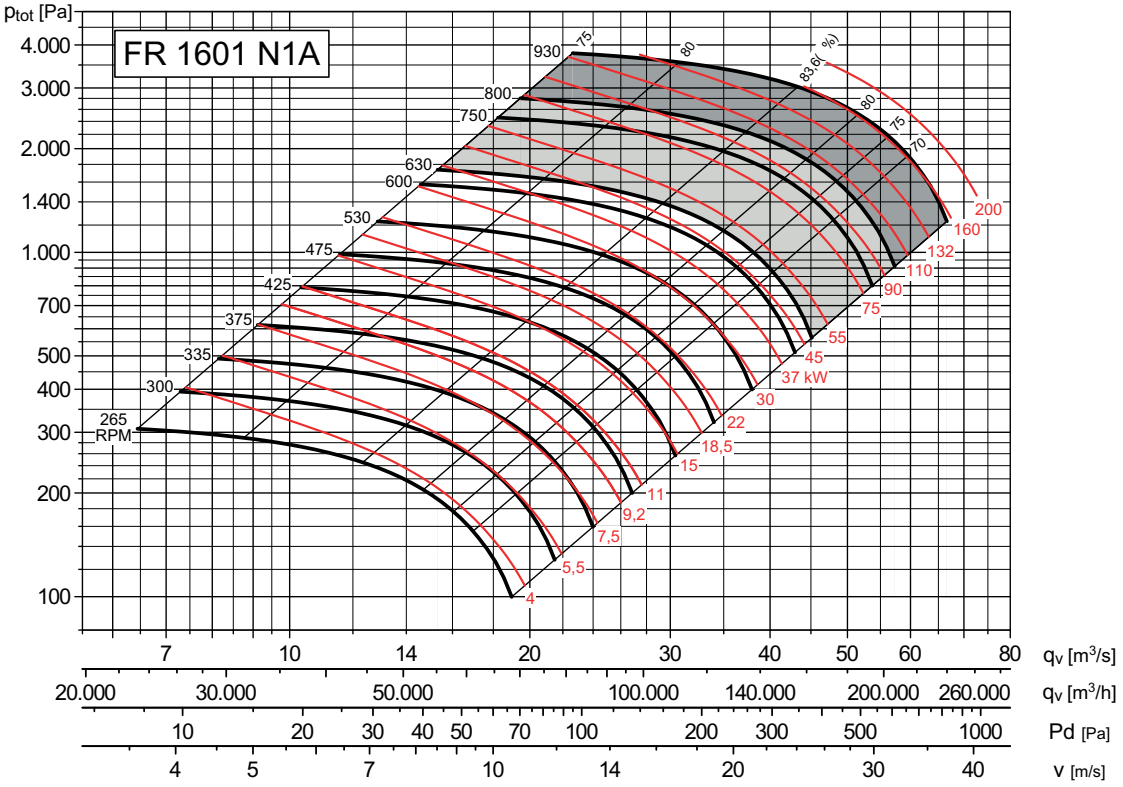

| MAX. RPM | Clase 1 | Clase 2 | Clase 3 |
|---|---|---|---|
| ⩽ 100°C | 800 | 1000 | 1180 |
| 101 ÷ 220°C | 710 | 900 | 1050 |
| 201 ÷ 300°C | 630 | 800 | 940 |



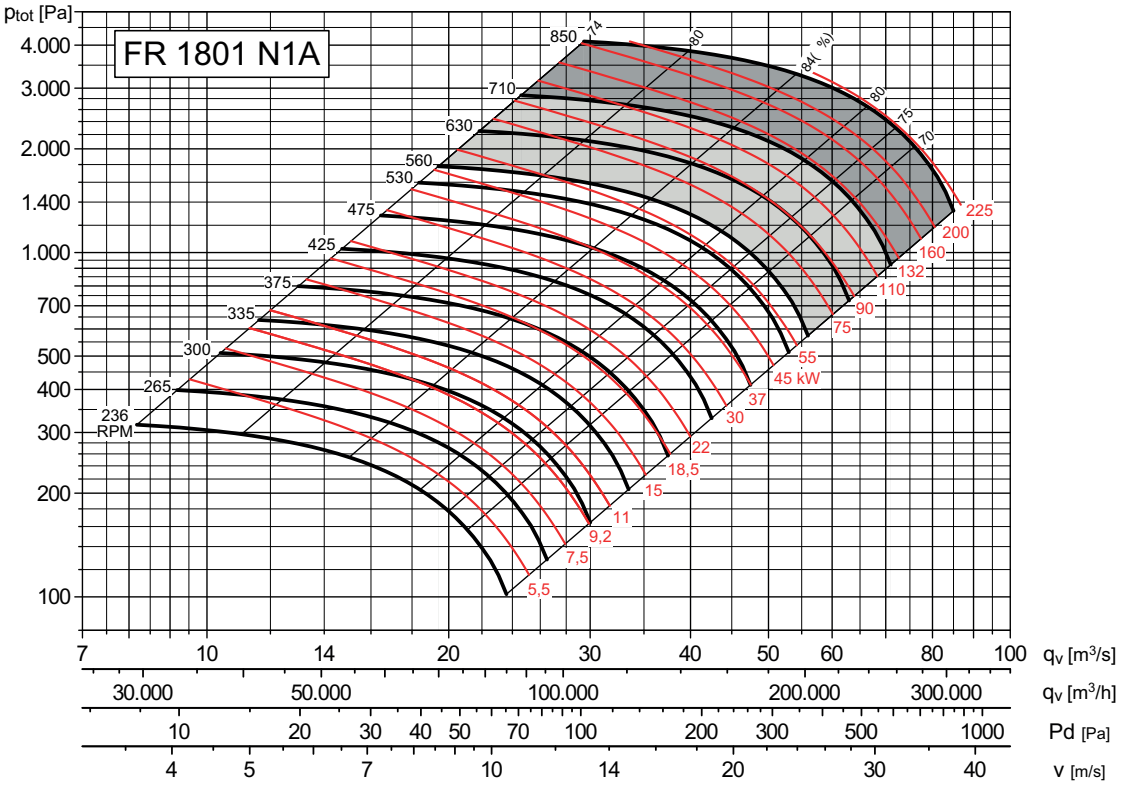

| MAX. RPM | Clase 1 | Clase 2 | Clase 3 |
|---|---|---|---|
| ⩽ 100°C | 710 | 900 | 1030 |
| 101 ÷ 220°C | 630 | 800 | 920 |
| 201 ÷ 300°C | 560 | 710 | 830 |

## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**



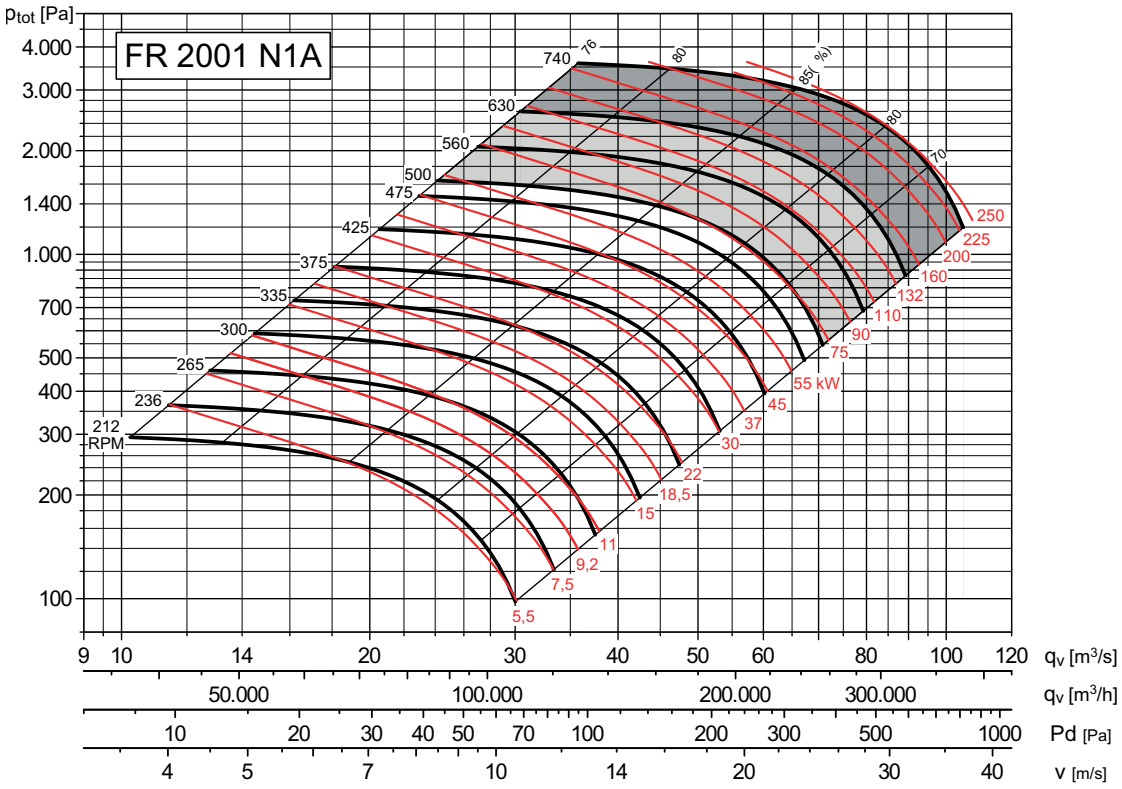

| MAX. RPM | Clase 1 | Clase 2 | Clase 3 |
|---|---|---|---|
| ≤ 100°C | 630 | 800 | 930 |
| 101 ÷ 220°C | 560 | 710 | 830 |
| 201 ÷ 300°C | 500 | 630 | 750 |




| MAX. RPM | Clase 1 | Clase 2 | Clase 3 |
|---|---|---|---|
| ≤ 100°C | 560 | 710 | 850 |
| 101 ÷ 220°C | 500 | 630 | 750 |
| 201 ÷ 300°C | 450 | 560 | 650 |

## CURVAS CARACTERÍSTICAS (a la descarga)

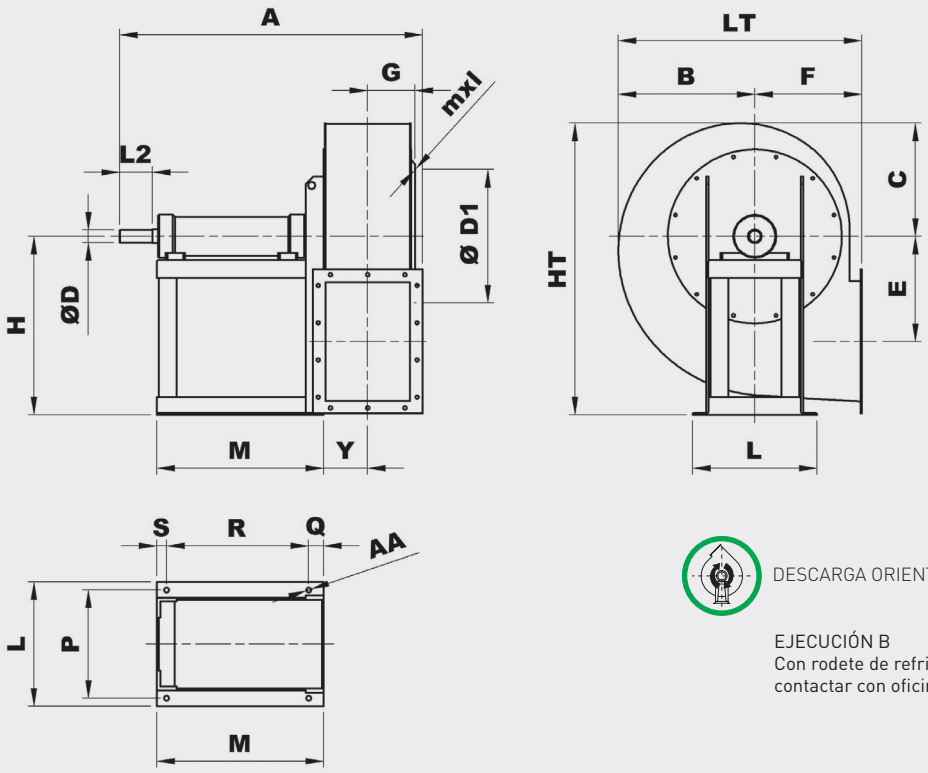
**– Ptot: Presión total en Pa**




| MAX. RPM | Clase 1 | Clase 2 | Clase 3 |
|---|---|---|---|
| ⩽ 100°C | 500 | 630 | 740 |
| 101 ÷ 220°C | 450 | 560 | 650 |
| 201 ÷ 300°C | 400 | 500 | 580 |

## DIMENSIONES (mm)

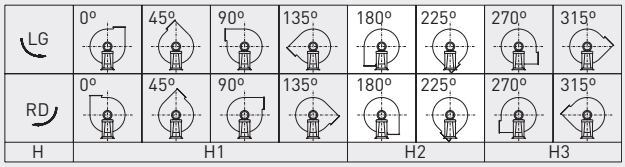
Modelos desde 251 hasta 501




DESCARGA ORIENTABLE

EJECUCIÓN B
Con rodete de refrigeración, contactar con oficina técnica.

ORIENTACIONES



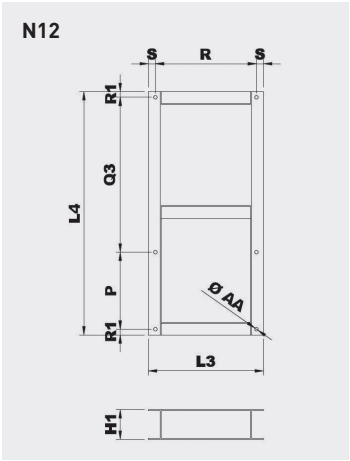

Para estas orientaciones, contactar con oficina técnica

| Modelo | A | B | C | ØD1 | E | F | G | H | | | HT | mxl | Y | LT | L | Eje | | Base | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | H1 | H2 | H3 | | | | | | L2 | ØD | P | M | Q | R | S | ØAA |
| FR 251 N1A | 594 | 245 | 210 | 292 | 150 | 195 | 93 | 315 | 195 | 315 | 525 | M8x20 | 95 | 440 | 255 | 19 | 40 | 228 | 282 | 55 | 210 | 17 | 10 |
| FR 281 N1A | 659 | 270 | 235 | 332 | 171 | 200 | 104 | 375 | 200 | 375 | 610 | M8x20 | 106 | 470 | 324 | 24 | 50 | 288 | 347 | 40 | 284 | 23 | 12 |
| FR 311 N1A | 684 | 300 | 260 | 366 | 196 | 225 | 116 | 400 | 225 | 400 | 660 | M8x20 | 118 | 525 | 324 | 24 | 50 | 288 | 347 | 40 | 284 | 23 | 12 |
| FR 351 N1A | 864 | 340 | 295 | 405 | 215 | 255 | 129 | 450 | 255 | 450 | 745 | M8x20 | 132 | 595 | 400 | 28 | 60 | 355 | 485 | 50 | 407 | 28 | 14 |
| FR 401 N1A | 913 | 375 | 330 | 448 | 243 | 285 | 146 | 500 | 285 | 500 | 830 | M8x20 | 148 | 660 | 400 | 38 | 80 | 355 | 485 | 50 | 407 | 28 | 14 |
| FR 451 N1A | 949 | 425 | 370 | 497 | 273 | 320 | 162 | 560 | 320 | 560 | 930 | M8x25 | 165 | 745 | 400 | 38 | 80 | 355 | 485 | 50 | 407 | 28 | 14 |
| FR 501 N1A | 1099 | 470 | 410 | 551 | 301 | 360 | 182 | 600 | 360 | 600 | 1010 | M8x25 | 185 | 830 | 418 | 42 | 110 | 364 | 560 | 50 | 477 | 33 | 17 |

## DIMENSIONES (mm)

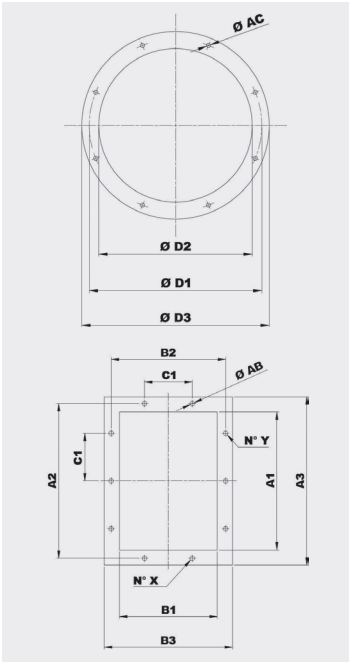
Modelos desde 251 hasta 501

N12




Bancada ejecución 12

| Modelo | H1 | P | L3 | L4 | Q3 | R | R1 | S | ØAA | Peso (kg) |
|---|---|---|---|---|---|---|---|---|---|---|
| 251 N12A | 80 | 228 | 244 | 700 | 445 | 210 | 13,5 | 17 | 10 | 6 |
| 281 N12A | 100 | 288 | 330 | 800 | 476 | 284 | 18 | 23 | 12 | 14 |
| 311 N12A | 100 | 288 | 330 | 800 | 476 | 284 | 18 | 23 | 12 | 14 |
| 351 N12A | 120 | 355 | 463 | 1010 | 610 | 407 | 22,5 | 28 | 14 | 25 |
| 401 N12A | 120 | 355 | 463 | 1010 | 610 | 407 | 22,5 | 28 | 14 | 25 |
| 451 N12A | 120 | 355 | 463 | 1010 | 610 | 407 | 22,5 | 28 | 14 | 25 |
| 501 N12A | 140 | 364 | 543 | 1150 | 732 | 477 | 27 | 33 | 17 | 34 |




Brida aspiración

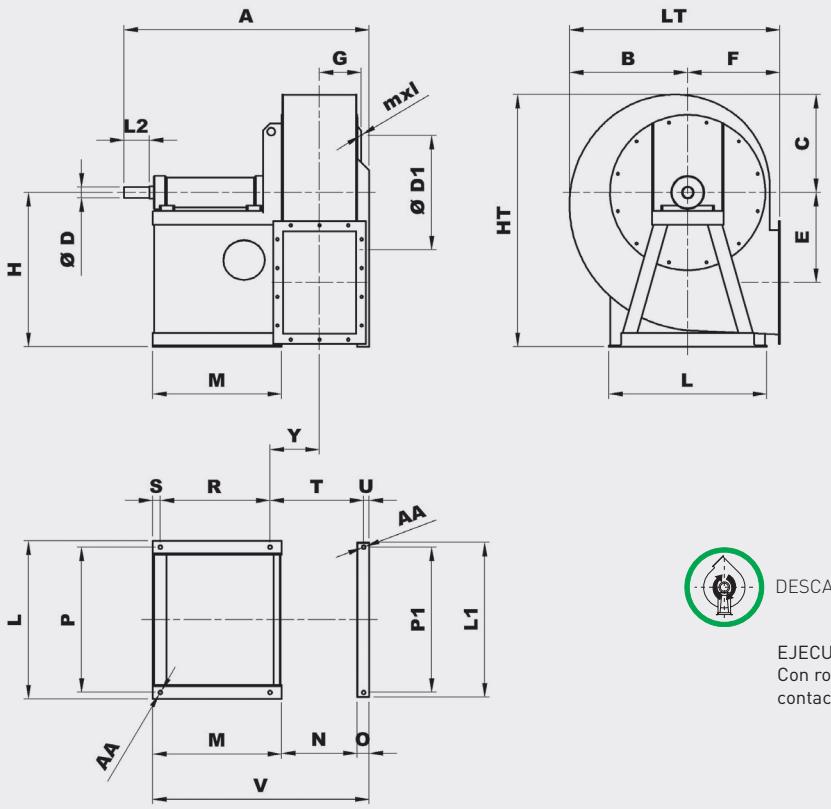
| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 251 | 250 | 292 | 254 | 324 | 10 | 8 |
| 281 | 280 | 332 | 285 | 365 | 10 | 8 |
| 311 | 315 | 366 | 320 | 400 | 10 | 8 |
| 351 | 355 | 405 | 360 | 440 | 10 | 8 |
| 401 | 400 | 448 | 405 | 485 | 10 | 12 |
| 451 | 450 | 497 | 455 | 535 | 10 | 12 |
| 501 | 500 | 551 | 505 | 585 | 10 | 12 |

Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 251 | 250x180 | 256 | 183 | 292 | 219 | 326 | 253 | 112 | 12 | 2+2 | 3+3 |
| 281 | 280x200 | 288 | 205 | 332 | 249 | 368 | 285 | 125 | 12 | 2+2 | 3+3 |
| 311 | 315x224 | 322 | 229 | 366 | 273 | 402 | 309 | 125 | 12 | 2+2 | 3+3 |
| 351 | 355x250 | 361 | 256 | 405 | 300 | 441 | 336 | 125 | 12 | 2+2 | 3+3 |
| 401 | 400x280 | 404 | 288 | 448 | 332 | 484 | 368 | 125 | 12 | 3+3 | 4+4 |
| 451 | 450x315 | 453 | 322 | 497 | 366 | 533 | 402 | 125 | 12 | 3+3 | 4+4 |
| 501 | 500x355 | 507 | 361 | 551 | 405 | 587 | 441 | 125 | 12 | 3+3 | 4+4 |

## DIMENSIONES (mm)

Modelos desde 561 hasta 631




DESCARGA ORIENTABLE

EJECUCIÓN B
Con rodete de refrigeración, contactar con oficina técnica.

ORIENTACIONES

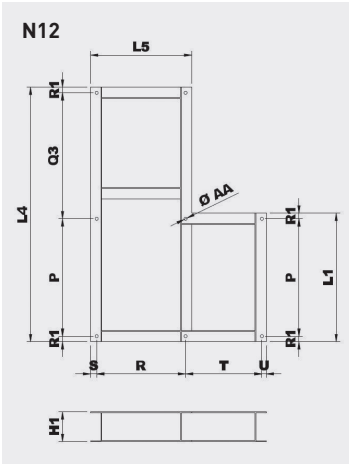
| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LG | 0º | 45º | 90º | 135º | 180º | 225º | 270º | 315º |
| RD | 0º | 45º | 90º | 135º | 180º | 225º | 270º | 315º |
| H | H1 | | | | H2 | | H3 | |

Para estas orientaciones, contactar con oficina técnica

| Modelo | | | | | | | | | | | | | | | Eje | | Base | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | ØD1 | E | F | G | H | | | HT | mxl | Y | LT | L | ØD | L2 | P | L1 | P1 | M | N | O | R | S | T | U | V | ØAA |
| | | | | | | | | H1 | H2 | H3 | | | | | | | | | | | | | | | | | | | |
| FR 561 N1A | 1150 | 525 | 455 | 629 | 331 | 400 | 207 | 670 | 400 | 670 | 1125 | M8x30 | 258 | 925 | 686 | 48 | 110 | 632 | 672 | 632 | 560 | 412 | 53 | 477 | 33 | 492 | 23 | 1025 | 17 |
| FR 631 N1A | 1195 | 590 | 515 | 698 | 375 | 450 | 232 | 750 | 450 | 750 | 1265 | M8x30 | 283 | 1040 | 756 | 48 | 110 | 702 | 762 | 702 | 560 | 462 | 53 | 477 | 33 | 542 | 23 | 1075 | 17 |

## DIMENSIONES (mm)

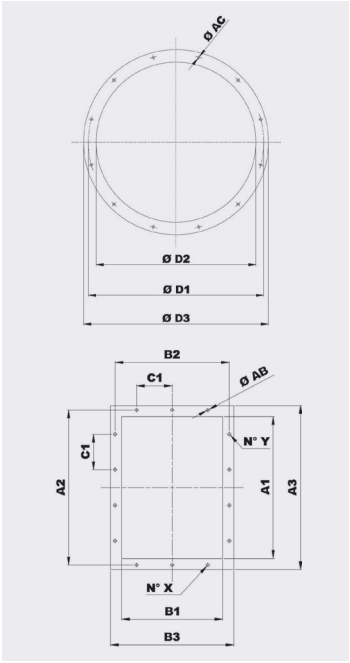
Modelos desde 561 hasta 631




Bancada ejecución 12

| Modelo | H1 | P | L1 | L4 | L5 | Q3 | R | R1 | S | T | U | ØAA | Peso (kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 561 N12A | 160 | 632 | 692 | 1370 | 543 | 678 | 477 | 30 | 33 | 492 | 23 | 17 | 52 |
| 631 N12A | 160 | 702 | 762 | 1470* | 543 | 708* | 477 | 30 | 33 | 542 | 23 | 17 | 56 |

* Para motores de talla 200-225, esta cota aumenta en 100 mm




Brida aspiración

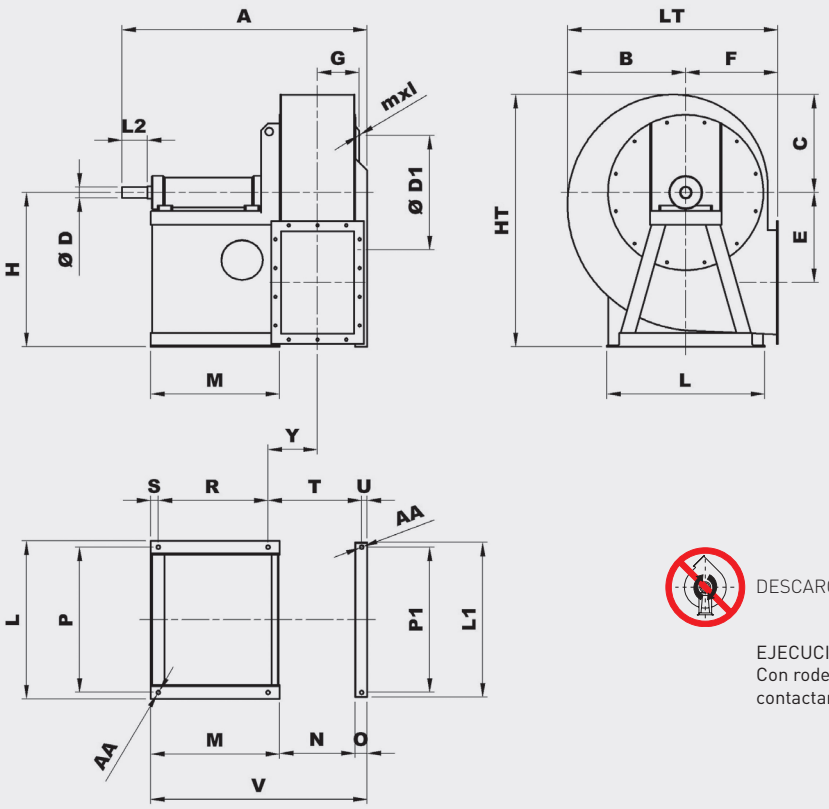
| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 561 | 560 | 629 | 566 | 666 | 10 | 12 |
| 631 | 630 | 698 | 636 | 736 | 10 | 12 |

Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 561 | 560x400 | 569 | 404 | 629 | 464 | 669 | 504 | 160 | 14 | 3+3 | 4+4 |
| 631 | 630x450 | 638 | 453 | 698 | 513 | 738 | 553 | 160 | 14 | 3+3 | 4+4 |

## DIMENSIONES (mm)

Modelos desde 711 hasta 2001




DESCARGA NO ORIENTABLE

EJECUCIÓN B
Con rodete de refrigeración, contactar con oficina técnica.

ORIENTACIONES

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LG | 0º | 45º | 90º | 135º | 180º | 225º | 270º | 315º |
| RD | 0º | 45º | 90º | 135º | 180º | 225º | 270º | 315º |
| H | H1 | | | | H2 | | H3 | |

Para estas orientaciones, contactar con oficina técnica

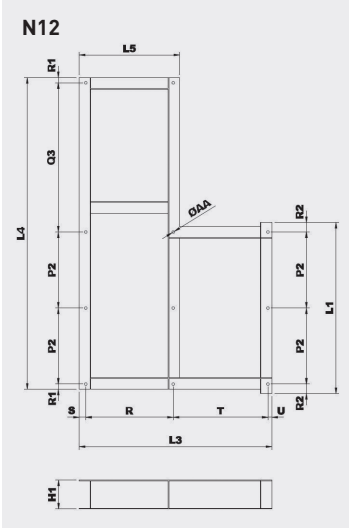
| Modelo | A | B | C | ØD1 | E | F | G | H | | | HT | mxl | Y | LT | L | Eje | | Base | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | H1 | H2 | H3 | | | | | | ØD | L2 | L1 | M | N | O | P2 | R | S | T | U | V | ØAA |
| FR 711 N1A | 1355 | 665 | 565 | 775 | 431 | 500 | 258 | 670 | 500 | 850 | 1415 | M10x30 | 314 | 1165 | 836 | 48 | 110 | 896 | 650 | 507 | 60 | 386 | 551 | 39 | 600 | 27 | 1217 | 19 |
| FR 801 N1A | 1415 | 740 | 630 | 861 | 482 | 560 | 290 | 750 | 560 | 950 | 1580 | M10x30 | 345 | 1300 | 926 | 55 | 110 | 986 | 650 | 569 | 60 | 431 | 551 | 39 | 662 | 27 | 1279 | 19 |
| FR 901 N1A | 1485 | 830 | 705 | 958 | 543 | 630 | 321 | 850 | 630 | 1060 | 1765 | M10x30 | 379 | 1460 | 1026 | 55 | 110 | 1086 | 650 | 638 | 60 | 481 | 551 | 39 | 731 | 27 | 1348 | 19 |
| FR 1001 N1A | 1645 | 935 | 795 | 1067 | 610 | 710 | 361 | 950 | 710 | 1180 | 1975 | M10x30 | 413 | 1645 | 1128 | 65 | 140 | 1188 | 707 | 715 | 60 | 528 | 607 | 45 | 803 | 27 | 1482 | 19 |
| FR 1121 N1A | 1935 | 1065 | 895 | 1200 | 683 | 800 | 402 | 1060 | 800 | 1320 | 2215 | M10x30 | 481 | 1865 | 1268 | 75 | 140 | 1348 | 885 | 801 | 80 | 589 | 760 | 45 | 926 | 35 | 1766 | 24 |
| FR 1251 N1A | 2035 | 1180 | 1005 | 1337 | 770 | 900 | 451 | 1180 | 900 | 1500 | 2505 | M10x40 | 529 | 2080 | 1400 | 75 | 140 | 1480 | 885 | 898 | 80 | 655 | 760 | 45 | 1023 | 35 | 1863 | 24 |
| FR 1401 N1A | 2225 | 1365 | 1115 | 1491 | 854 | 1000 | 506 | 1320 | 1000 | 1700 | 2815 | M10x40 | 604 | 2365 | 1560 | 80 | 170 | 1640 | 935 | 1007 | 80 | 725 | 780 | 55 | 1152 | 35 | 2022 | 24 |
| FR 1601 N1A | 2525 | 1580 | 1245 | 1663 | 956 | 1120 | 568 | 1500 | 1120 | 1900 | 3145 | M12x45 | 685 | 2700 | 1750 | 90 | 170 | 1850 | 1102 | 1130 | 100 | 820 | 917 | 65 | 1305 | 45 | 2332 | 28 |
| FR 1801 N1A | 2750 | 1790 | 1390 | 1856 | 1066 | 1250 | 636 | 1650 | 1250 | 2120 | 3510 | M12 | 754 | 3040 | 1950 | 100 | 210 | 2110 | 1102 | 1267 | 120 | 915 | 917 | 65 | 1452 | 55 | 2489 | 28 |
| FR 2001 N1A | 2905 | 1965 | 1555 | 2073 | 1195 | 1400 | 713 | 1850 | 1400 | 2360 | 3915 | M12 | 831 | 3365 | 2150 | 100 | 210 | 2310 | 1102 | 1421 | 120 | 1015 | 917 | 65 | 1606 | 55 | 2643 | 28 |

LG0 - RD0
LG270 - RD270

Sólo para estas orientaciones. Consultar con oficina técnica para diferentes posiciones

## DIMENSIONES (mm)

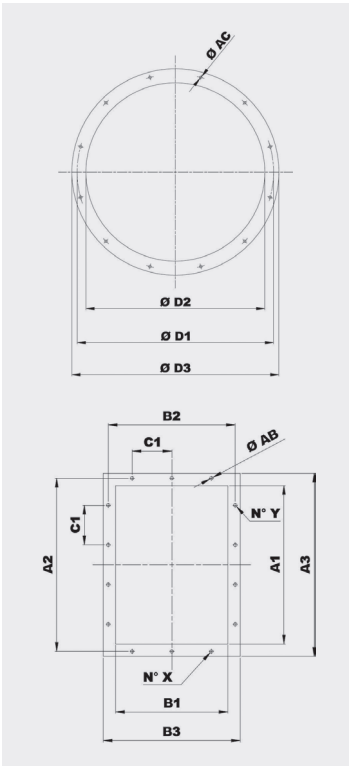
Modelos desde 711 hasta 2001




Bancada ejecución 12

| Modelo | H1 | P2 | L1 | L3 | L4 | L5 | Q3 | R | R1 | R2 | S | T | ØAA | Peso (kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 711 N12A | 180 | 386 | 896 | 1220 | 1643 | 629 | 807 | 551 | 32 | 62 | 39 | 600 | 19 | 85 |
| 801 N12A | 180 | 431 | 986 | 1282 | 1768* | 629 | 842* | 551 | 32 | 62 | 39 | 662 | 19 | 88 |
| 901 N12A | 180 | 481 | 1086 | 1351 | 2013 | 629 | 987 | 551 | 32 | 62 | 39 | 731 | 19 | 96 |
| 1001 N12A | 200 | 528 | 1188 | 1485 | 2164 | 697 | 1036 | 607 | 36 | 66 | 45 | 803 | 19 | 119 |
| 1121 N12A | 220 | 589 | 1348 | 1766 | 2334 | 850 | 1066 | 760 | 45 | 85 | 45 | 926 | 24 | 200 |
| 1251 N12A | 220 | 655 | 1480 | 1863 | 2630 | 850 | 1230 | 760 | 45 | 85 | 45 | 1023 | 24 | 216 |
| 1401 N12A | 220 | 725 | 1640 | 2022 | 2800 | 890 | 1240 | 780 | 55 | 95 | 55 | 1152 | 24 | 248 |
| 1601 N12A | 220 | 820 | 1850 | 2332 | 2945 | 1047 | 1195 | 917 | 55 | 105 | 65 | 1305 | 28 | 282 |
| 1801 N12A | 250 | 915 | 2110 | 2489 | 3245 | 1047 | 1295 | 917 | 60 | 140 | 65 | 1452 | 28 | 378 |
| 2001 N12A | 250 | 1015 | 2310 | 2643 | 3500 | 1047 | 1350 | 917 | 60 | 140 | 65 | 1606 | 28 | 404 |

* Para motores de talla 250, esta cota aumenta en 100 mm




Brida aspiración

| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 711 | 710 | 775 | 716 | 816 | 12 | 16 |
| 801 | 800 | 861 | 806 | 906 | 12 | 16 |
| 901 | 900 | 958 | 906 | 1006 | 12 | 16 |
| 1001 | 1000 | 1067 | 1007 | 1107 | 12 | 24 |
| 1121 | 1120 | 1200 | 1128 | 1248 | 12 | 24 |
| 1251 | 1250 | 1337 | 1260 | 1380 | 12 | 24 |
| 1401 | 1400 | 1491 | 1420 | 1540 | 12 | 32 |
| 1601 | 1600 | 1663 | 1610 | 1730 | 14 | 32 |
| 1801 | 1800 | 1856 | 1810 | 1930 | 14 | 32 |
| 2001 | 2000 | 2073 | 2010 | 2130 | 14 | 32 |

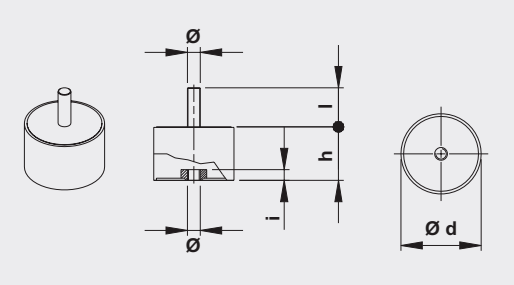
Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 711 | 710x500 | 715 | 507 | 775 | 567 | 815 | 607 | 160 | 14 | 3+3 | 5+5 |
| 801 | 800x560 | 801 | 569 | 871 | 639 | 921 | 689 | 200 | 14 | 3+3 | 4+4 |
| 901 | 900x630 | 898 | 638 | 968 | 708 | 1018 | 758 | 200 | 14 | 4+4 | 5+5 |
| 1001 | 1000x710 | 1007 | 715 | 1077 | 785 | 1127 | 835 | 200 | 14 | 4+4 | 5+5 |
| 1121 | 1120x800 | 1130 | 801 | 1210 | 881 | 1270 | 941 | 200 | 18 | 4+4 | 6+6 |
| 1251 | 1250x900 | 1267 | 898 | 1347 | 978 | 1407 | 1038 | 200 | 18 | 5+5 | 7+7 |
| 1401 | 1400x1000 | 1421 | 1007 | 1501 | 1087 | 1561 | 1147 | 200 | 18 | 5+5 | 7+7 |
| 1601 | 1600x1120 | 1593 | 1130 | 1683 | 1220 | 1753 | 1290 | 200 | 22 | 6+6 | 8+8 |
| 1801 | 1800x1250 | 1786 | 1267 | 1876 | 1357 | 1946 | 1427 | 200 | 22 | 7+7 | 9+9 |
| 2001 | 2000x1400 | 2003 | 1421 | 2093 | 1511 | 2163 | 1581 | 200 | 22 | 7+7 | 10+10 |

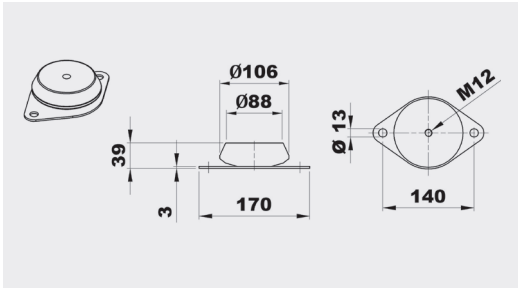
## AMORTIGUADORES

Amortiguadores recomendados

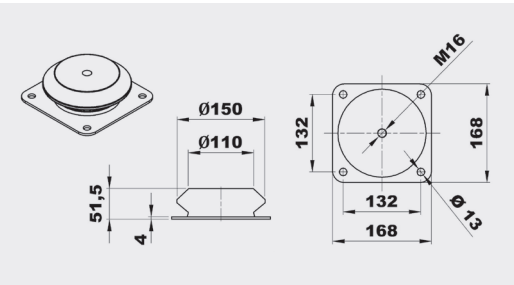
| Ventilador | Ejecución 9 | Ejecución 12 |
|---|---|---|
| 251 | 4 x AM 25 - 25x20 | 4 x AM 30 - 30x30 |
| 281 | 4 x AM 25 - 25x20 | 4 x AM 30 - 30x30 |
| 311 | 4 x AM 30 - 30x30 | 4 x AM 30 - 30x30 |
| 351 | 4 x AM 30 - 30x30 | 4 x AM 40 - 40x30 |
| 401 | 4 x AM 40 - 40x30 | 4 x AM 40 - 40x30 |
| 451 | 4 x AM 40 - 40x30 | 4 x AM 50 - 50x40 |
| 501 | 4 x AM 50 - 50x40 | 4 x AM 50 - 50x40 |
| 561 | 4 x AM 50 - 50x40 | 6 x AM 50 - 50x40 |
| 631 | 4 x AM 75 - 75x50 | 6 x AM 75 - 75x50 |
| 711 | 4 x AM 75 - 75x50 | 6 x AM 75 - 75x50 |
| 801 | 4 x AM 75 - 75x50 | 6 x AM 75 - 75x50 |
| 901 | 6 x AM 75 - 75x50 | 6 x AZ 39 - 140x39 |
| 1001 | 6 x AM 75 - 75x50 | 6 x AZ 39 - 140x39 |
| 1121 | 6 x AZ 39 - 140x39 | 6 x AZ 39 - 140x39 |
| 1251 | 6 x AZ 39 - 140x39 | 6 x AZ 51 - 132x51 |
| 1401 | 6 x AZ 51 - 132x51 | 6 x AZ 51 - 132x51 |
| 1601 | - | 6 x AZ 51 - 132x51 |
| 1801 | - | 6 x AZ 63 - 150x63 |
| 2001 | - | 6 x AZ 63 - 150x63 |



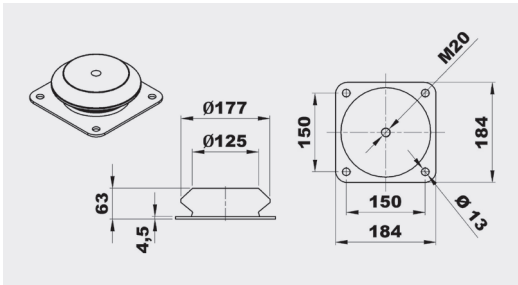

| Tipo | Carga para 4 soportes (kg) | d | h | Ø | l | Peso (kg) |
|---|---|---|---|---|---|---|
| AM 25 | 41÷80 | 25 | 20 | M6 | 18 | 0,03 |
| AM 30 | 81÷140 | 30 | 30 | M8 | 20 | 0,05 |
| AM 40 | 141÷224 | 40 | 30 | M8 | 23 | 0,10 |
| AM 50 | 225÷315 | 50 | 40 | M10 | 28 | 0,20 |
| AM 75 | 316÷630 | 75 | 50 | M12 | 37 | 0,50 |




| Tipo | Carga para 4 soportes (kg) | Peso (kg) |
|---|---|---|
| AZ 39 | 631÷1250 | 0,7 |

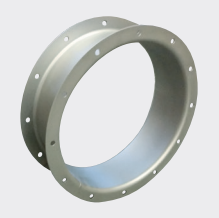



| Tipo | Carga para 4 soportes (kg) | Peso (kg) |
|---|---|---|
| AZ 51 | 1251÷2500 | 1,8 |

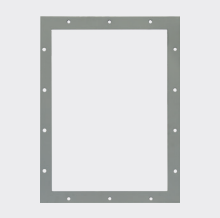



| Tipo | Carga para 4 soportes (kg) | Peso (kg) |
|---|---|---|
| AZ 63 | 2501÷5000 | 2,5 |

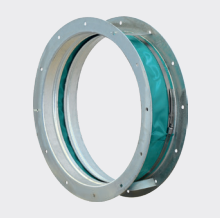
## ACCESORIOS



**CA (CFH1) - CFH2 - CFH3**
Contrabrida - Brida plana circular.



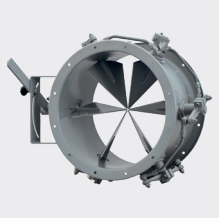
**CP**
Brida plana rectangular.



**GA**
Junta flexible aspiración.



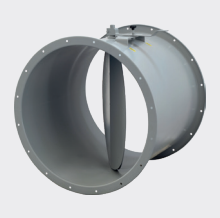
**GP**
Junta flexible descarga.



**DP**
Regulador de caudal de aspiración.



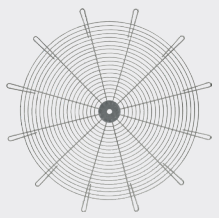
**SAD**
Compuerta de regulación de caudal de descarga.



**SF**
Vávula mariposa.



**DF**
Filtro en la aspiración.



**RC**
Rejilla de protección para la aspiración.



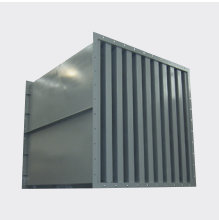
**AM/AZ**
Soportes antivibratorios.



**SCSO**
Silenciador cilíndrico.



**SCCO**
Silenciador cilíndrico con bulbo.



**SASS**
Silenciador rectangular.



**CI**
Cabina de insonorización.

Ver información completa en página **772**.

# FRC

## VENTILADORES CENTRÍFUGOS DE BAJA PRESIÓN

*ACOPLAMIENTO DIRECTO*



Ventilador centrífugo de acoplamiento directo y simple aspiración. Fabricados en chapa de acero protegida contra la corrosión por pintura poliéster. Rodete de álabes curvados hacia atrás con acabado cincado en frío o en chapa de acero protegida contra la corrosión por pintura poliéster, equilibrado dinámicamente. Temperaturas del aire a transportar -20ºC/+100ºC en continuo. Preparados para transportar aire limpio.

APLICACIONES

**Aire a transportar**
Aire limpio

**Cantidad de polvo (mg/m$^3$)**
50



Rodete de álabes curvados hacia atrás

**Motores**

De 2, 4 o 6 polos de alta eficiencia IE 3*, tensión de alimentación trifásica 230/400V 50Hz tamaño motor 112 y 400/690V 50Hz para motores de mayor dimensión. Protección IP55, Clase F.

* A partir de 0,75 kW el motor puede ser de eficiencia IE 2 controlado por convertidor de frecuencia.

**Bajo pedido**

- Fabricación en diferentes materiales constructivos.
- Motores de 2 velocidades.
- Versiones de 60 Hz.
- Pintura en diferentes RAL.
- Voluta galvanizada en caliente.
- Versión para alta temperatura: hasta 220ºC (versiones B: con rodete de refrigeración).
- Trampilla de inspección, purga de drenaje, distintos tipos de estanqueidad a nivel de voluta y de paso de eje.

**Versiones ATEX**

Bajo pedido, versiones antiexplosivas según la Directiva ATEX para modelos trifásicos: Para trabajar a temperaturas de -20ºC a +60ºC, presión ambiente (absoluta) de 0,8 bar hasta 1,1 bar, según EN 14986.

- Gas:
  - Ex 2G IIB T2-T3-T4, Motor Exd IIB or Exell
  - Ex 2G IIB+H2 T2-T3-T4, Motor ExdIIc
  - Ex 3G IIB T2-T3-T4, Motor ExnA (sólo para categoría 3G)
  - Ex 3G IIB+H2 T2-T3-T4, Motor ExnA (sólo para categoría 3G)
- Polvo no conductivo:
  - Ex 2D IIIB T125°C-T135°C-T195°C-T295°C
  - Ex 3D IIIB T125°C-T135°C-T195°C-T295°C
- Polvo conductivo (con motor IP65 IIIC):
  - Ex 2D IIIC T125°C-T135°C-T195°C-T295°C
  - Ex 3D IIIC T125°C-T135°C-T195°C-T295°C

## CARACTERÍSTICAS TÉCNICAS

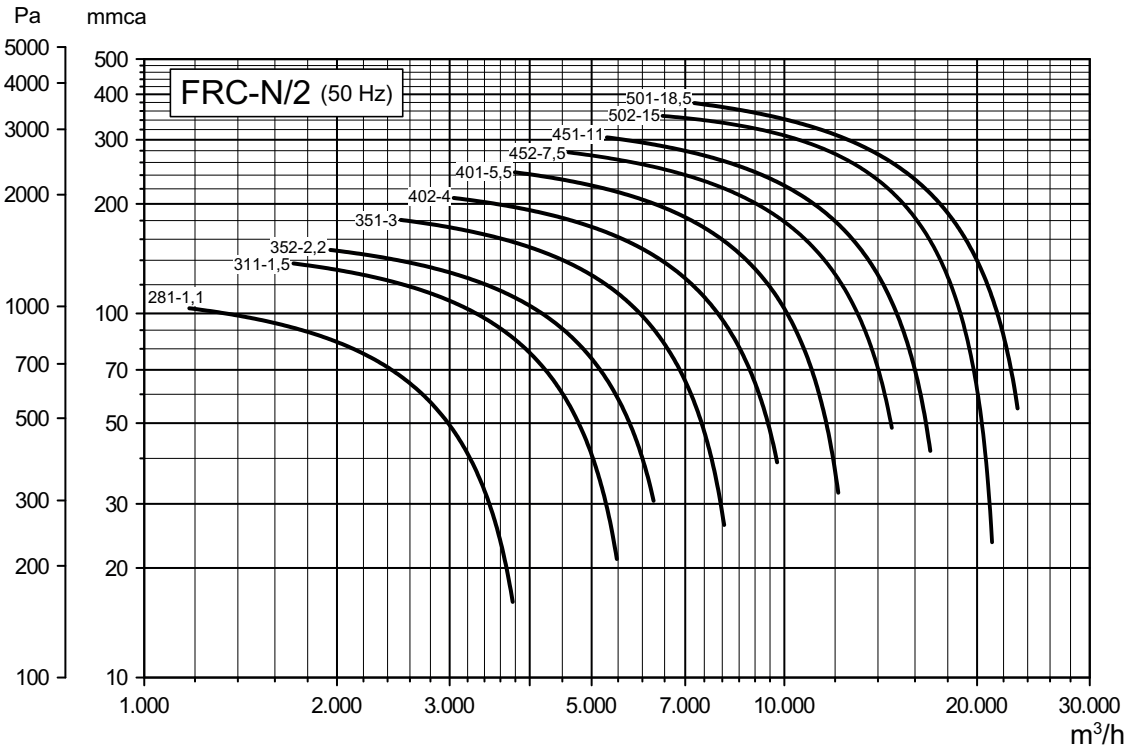
Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación.

| Modelo | Velocidad (r.p.m.) | Potencia motor (kW) | Intensidad motor 400V (A) | Caudal máximo ($m^3/h$) | Nivel presión sonora (dB(A)) |
|---|---|---|---|---|---|
| 2 POLOS | | | | | |
| FRC 281/2 N5A | 2.800 | 1,10 | 2,26 | 3.763 | 64,7 |
| FRC 311/2 N5A | 2.845 | 1,50 | 3,01 | 5.473 | 68,6 |
| FRC 352/2 N5A | 2.855 | 2,20 | 4,42 | 6.249 | 70,1 |
| FRC 351/2 N5A | 2.890 | 3,00 | 5,64 | 8.051 | 72,8 |
| FRC 402/2 N5A | 2.890 | 4,00 | 7,49 | 9.744 | 74,7 |
| FRC 401/2 N5A | 2.930 | 5,50 | 10,2 | 12.137 | 77,1 |
| FRC 452/2 N5A | 2.920 | 7,50 | 13,07 | 14.717 | 79,0 |
| FRC 451/2 N5A | 2.930 | 11,00 | 20,4 | 16.900 | 80,4 |
| FRC 502/2 N5A | 2.945 | 15,00 | 27,6 | 21.100 | 82,5 |
| FRC 501/2 N5A | 2.930 | 18,50 | 33,7 | 23.146 | 83,6 |
| 4 POLOS | | | | | |
| FRC 352/4 N5A | 1.385 | 0,25 | 0,70 | 3.058 | 54,4 |
| FRC 351/4 N5A | 1.385 | 0,37 | 1,03 | 3.830 | 56,8 |
| FRC 402/4 N5A | 1.420 | 0,55 | 1,30 | 4.754 | 59,2 |
| FRC 401/4 N5A | 1.410 | 0,75 | 1,65 | 5.799 | 61,2 |
| FRC 452/4 N5A | 1.440 | 1,10 | 2,37 | 7.182 | 63,7 |
| FRC 451/4 N5A | 1.440 | 1,10 | 2,37 | 7.600 | 65,0 |
| FRC 451/4 N5A | 1.440 | 1,50 | 3,30 | 8.045 | 65,0 |
| FRC 502/4 N5A | 1.440 | 1,50 | 3,30 | 6.629 | 67,0 |
| FRC 502/4 N5A | 1.420 | 2,20 | 4,43 | 9.813 | 66,7 |
| FRC 501/4 N5A | 1.420 | 2,20 | 4,43 | 11.078 | 67,9 |
| FRC 562/4 N5A | 1.420 | 2,20 | 4,43 | 7.435 | 69,4 |
| FRC 562/4 N5A | 1.425 | 3,00 | 5,96 | 14.000 | 69,4 |
| FRC 561/4 N5A | 1.425 | 3,00 | 5,96 | 9.596 | 71,1 |
| FRC 561/4 N5A | 1.440 | 4,00 | 7,85 | 15.800 | 71,3 |
| FRC 632/4 N5A | 1.440 | 4,00 | 7,85 | 10.718 | 73,4 |
| FRC 632/4 N5A | 1.460 | 5,50 | 10,40 | 21.000 | 73,7 |
| FRC 631/4 N5A | 1.460 | 5,50 | 10,40 | 14.803 | 75,2 |
| FRC 631/4 N5A | 1.460 | 7,50 | 13,90 | 22.431 | 75,2 |
| FRC 712/4 N5A | 1.460 | 7,50 | 13,90 | 13.000 | 77,1 |
| FRC 712/4 N5A | 1.465 | 11,00 | 21,20 | 28.900 | 77,2 |
| FRC 711/4 N5A | 1.465 | 11,00 | 21,20 | 32.000 | 78,9 |
| FRC 802/4 N5A | 1.460 | 15,00 | 28,70 | 33.335 | 80,9 |
| FRC 802/4 N5A | 1.460 | 18,50 | 35,10 | 42.500 | 80,9 |
| FRC 801/4 N5A | 1.460 | 18,50 | 35,10 | 28.235 | 82,9 |
| FRC 801/4 N5A | 1.460 | 22,00 | 40,50 | 47.673 | 82,9 |
| 6 POLOS | | | | | |
| FRC 502/6 N5A | 910 | 0,55 | 1,57 | 6.379 | 57,0 |
| FRC 501/6 N5A | 910 | 0,75 | 1,94 | 7.122 | 58,2 |
| FRC 562/6 N5A | 910 | 0,75 | 1,94 | 8.233 | 59,7 |
| FRC 561/6 N5A | 910 | 1,10 | 2,88 | 9.819 | 61,4 |
| FRC 632/6 N5A | 940 | 1,50 | 3,80 | 12.343 | 64,2 |
| FRC 631/6 N5A | 940 | 1,50 | 3,80 | 8.021 | 65,7 |
| FRC 631/6 N5A | 945 | 2,20 | 5,26 | 14.134 | 65,8 |
| FRC 712/6 N5A | 945 | 2,20 | 5,26 | 11.891 | 67,6 |
| FRC 712/6 N5A | 955 | 3,00 | 6,76 | 17.371 | 67,9 |
| FRC 711/6 N5A | 955 | 3,00 | 6,76 | 14.991 | 69,6 |
| FRC 711/6 N5A | 955 | 4,00 | 8,71 | 20.452 | 69,6 |
| FRC 802/6 N5A | 955 | 4,00 | 8,71 | 15.907 | 71,7 |
| FRC 802/6 N5A | 960 | 5,50 | 12,40 | 25.353 | 71,8 |
| FRC 801/6 N5A | 960 | 5,50 | 12,40 | 19.659 | 73,7 |
| FRC 801/6 N5A | 965 | 7,50 | 15,00 | 31.347 | 73,9 |

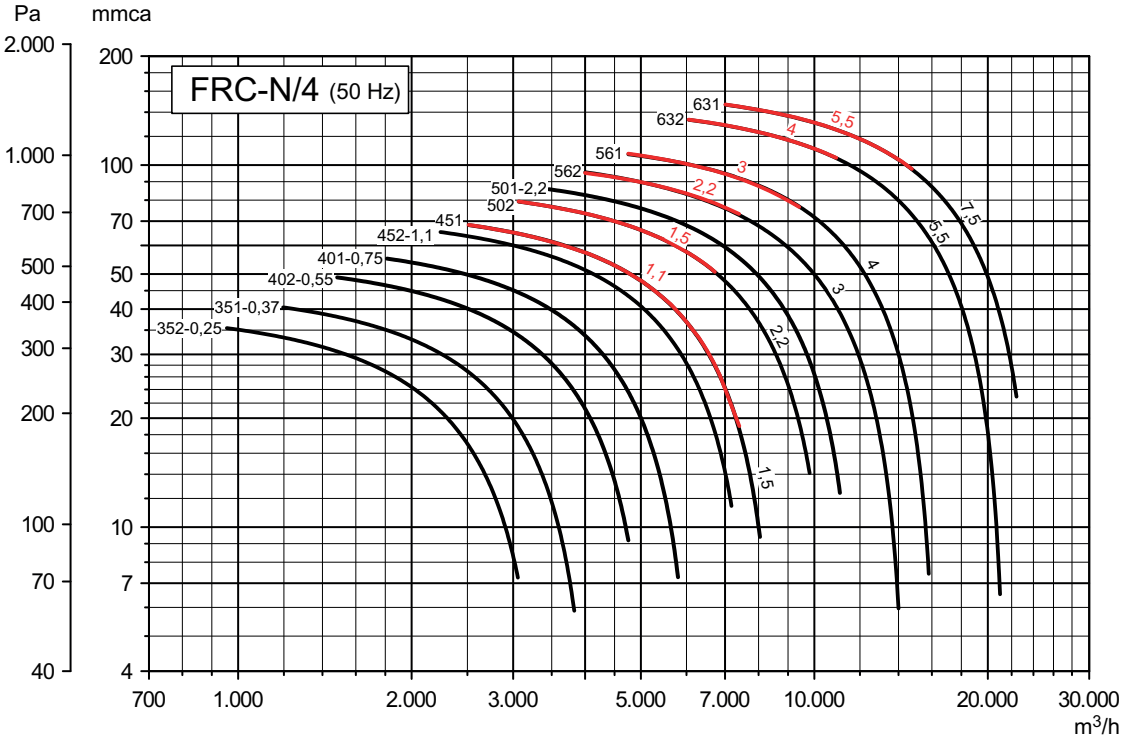
## CURVAS CARACTERÍSTICAS (a la descarga)

- Ventiladores ensayados con la aspiración y la descarga entubadas
- Caudal en $m^3/h$
- **Psf: Presión estática en mmca y Pa**

2 polos - Modelos desde 281 hasta 501



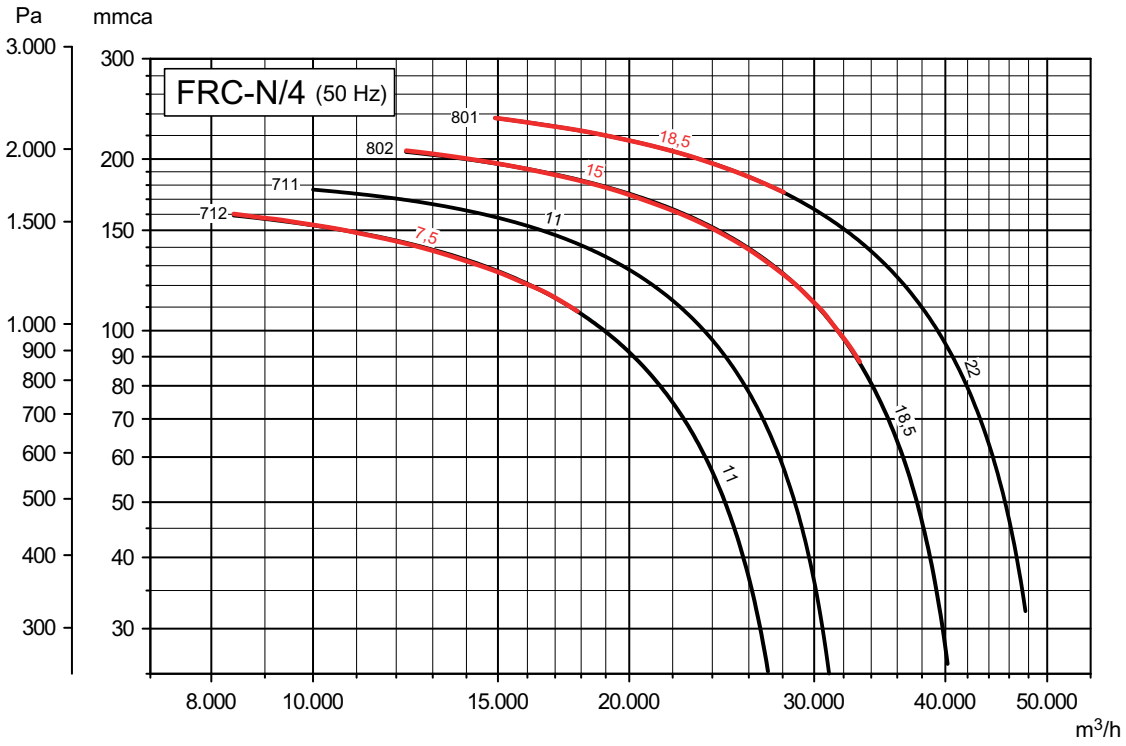

4 polos - Modelos desde 351 hasta 631



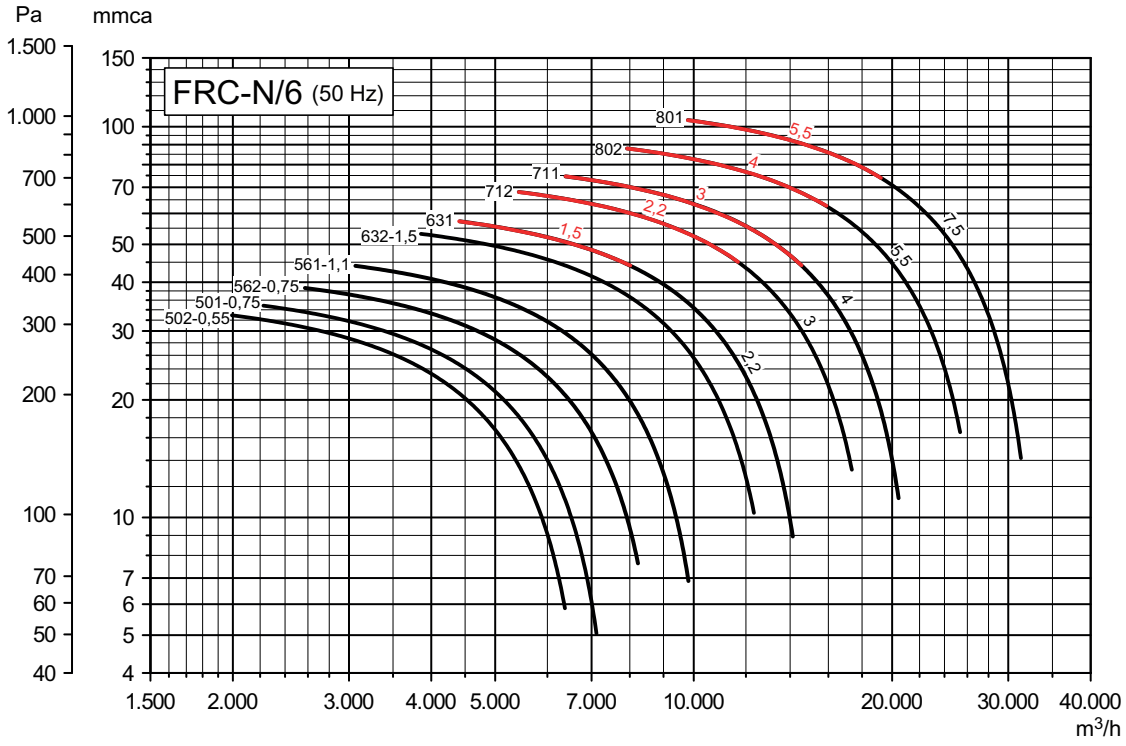
## CURVAS CARACTERÍSTICAS (a la descarga)

- Ventiladores ensayados con la aspiración y la descarga entubadas
- Caudal en m³/h
- **Psf: Presión estática en mmca y Pa**

4 polos - Modelos desde 711 hasta 801

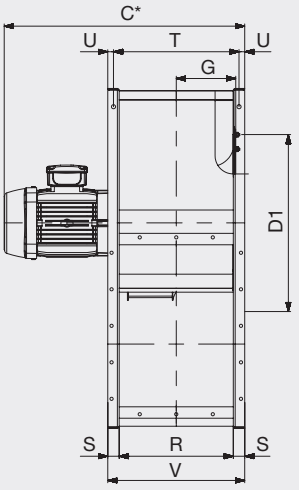



6 polos - Modelos desde 501 hasta 801

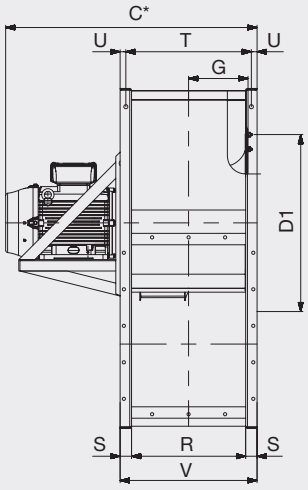


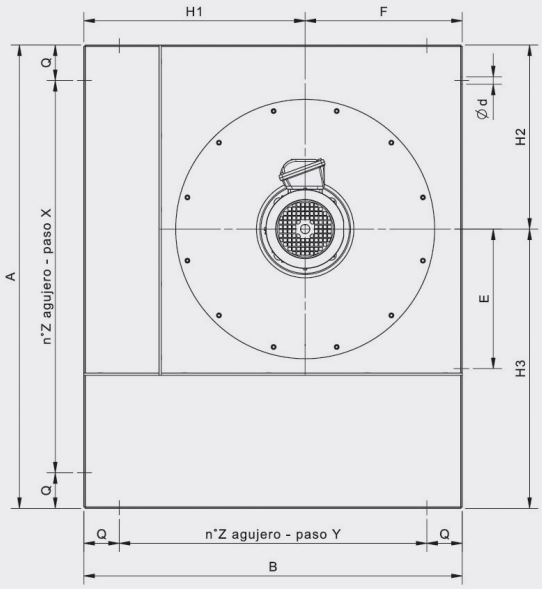
## DIMENSIONES (mm)

Versión 5




Versión B45

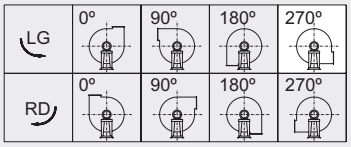





DESCARGA ORIENTABLE

ORIENTACIONES




Orientación estándar: LG270.
El resto de las orientaciones se fabrican bajo pedido.

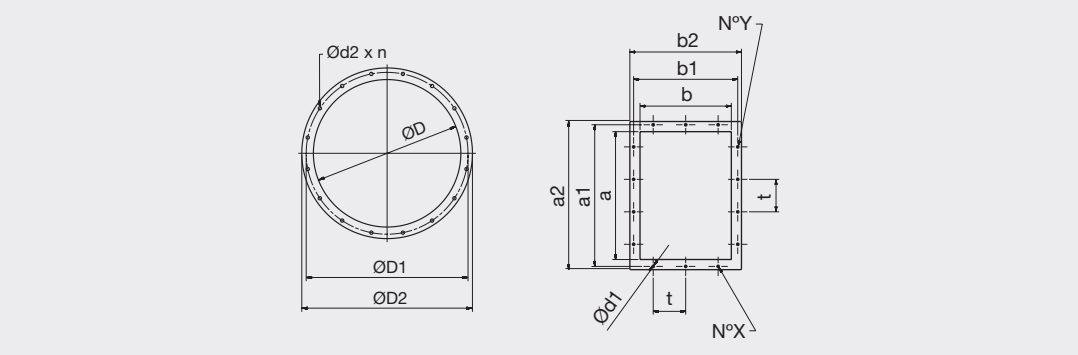
| Modelo | | | | | | | | | | | Pie | | | | | | | | | | Medida[1] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Versión | A | B | C | E | F | G | H1 | H2 | H3 | Q | R | S | T | U | V | Z | Y | X | Ød | (C) |
| FRC 281/2 N5A | 5 | 605 | 492 | 487 | 174 | 212 | 106 | 280 | 250 | 355 | 40 | 200 | 35 | 235 | 17,5 | 270 | 2 | 412 | 262,5 | 13 | 527 |
| FRC 311/2 N5A | 5 | 680 | 551 | 555 | 196 | 236 | 118 | 315 | 280 | 400 | 40 | 224 | 35 | 259 | 17,5 | 294 | 2 | 471 | 300 | 13 | 600 |
| FRC 352/2 N5A | 5 | 750 | 620 | 623 | 225 | 265 | 131,5 | 355 | 300 | 450 | 50 | 250 | 40 | 290 | 20 | 330 | 2 | 520 | 325 | 15 | 668 |
| FRC 351/2 N5A | 5 | 750 | 620 | 587 | 225 | 265 | 131,5 | 355 | 300 | 450 | 50 | 250 | 40 | 290 | 20 | 330 | 2 | 520 | 325 | 15 | 632 |
| FRC 402/2 N5A | 5 | 840 | 700 | 746 | 250 | 300 | 146 | 400 | 340 | 500 | 50 | 280 | 40 | 320 | 20 | 360 | 2 | 600 | 370 | 15 | 796 |
| FRC 401/2 N5A | 5 | 840 | 700 | 669 | 250 | 300 | 146 | 400 | 340 | 500 | 50 | 280 | 40 | 320 | 20 | 360 | 2 | 600 | 370 | 15 | 714 |
| FRC 452/2 N45A | B45 | 935 | 785 | 851 | 280 | 335 | 163,5 | 450 | 375 | 560 | 50 | 315 | 40 | 355 | 20 | 395 | 2 | 685 | 417,5 | 15 | 911 |
| FRC 451/2 N5A | 5 | 935 | 785 | 781 | 280 | 335 | 163,5 | 450 | 375 | 560 | 50 | 315 | 40 | 355 | 20 | 395 | 2 | 685 | 417,5 | 15 | 831 |
| FRC 502/2 N45A | B45 | 1045 | 855 | 946 | 315 | 355 | 184 | 500 | 415 | 630 | 80 | 355 | 50 | 405 | 25 | 455 | 2 | 695 | 442,5 | 17 | 1006 |
| FRC 501/2 N45A | B45 | 1045 | 855 | 902 | 315 | 355 | 184 | 500 | 415 | 630 | 80 | 355 | 50 | 405 | 25 | 455 | 2 | 695 | 442,5 | 17 | 962 |
| FRC 352/4 N5A | 5 | 750 | 620 | 525 | 225 | 265 | 131,5 | 355 | 300 | 450 | 50 | 250 | 40 | 290 | 20 | 330 | 2 | 520 | 325 | 15 | 565 |
| FRC 351/4 N5A | 5 | 750 | 620 | 525 | 225 | 265 | 131,5 | 355 | 300 | 450 | 50 | 250 | 40 | 290 | 20 | 330 | 2 | 520 | 325 | 15 | 565 |
| FRC 402/4 N5A | 5 | 840 | 700 | 572 | 250 | 300 | 146 | 400 | 340 | 500 | 50 | 280 | 40 | 320 | 20 | 360 | 2 | 600 | 370 | 15 | 612 |
| FRC 401/4 N5A | 5 | 840 | 700 | 572 | 250 | 300 | 146 | 400 | 340 | 500 | 50 | 280 | 40 | 320 | 20 | 360 | 2 | 600 | 370 | 15 | 612 |
| FRC 452/4 N5A | 5 | 935 | 785 | 651 | 280 | 335 | 163,5 | 450 | 375 | 560 | 50 | 315 | 40 | 355 | 20 | 395 | 2 | 685 | 417,5 | 15 | 696 |
| FRC 451/4 N5A | 5 | 935 | 785 | 651 | 280 | 335 | 163,5 | 450 | 375 | 560 | 50 | 315 | 40 | 355 | 20 | 395 | 2 | 685 | 417,5 | 15 | 696 |
| FRC 451/4 N5A | 5 | 935 | 785 | 651 | 280 | 335 | 163,5 | 450 | 375 | 560 | 50 | 315 | 40 | 355 | 20 | 395 | 2 | 685 | 417,5 | 15 | 696 |
| FRC 502/4 N5A | 5 | 1045 | 855 | 738 | 315 | 355 | 184 | 500 | 415 | 630 | 80 | 355 | 50 | 405 | 25 | 455 | 2 | 695 | 442,5 | 17 | 783 |

[1] Con rodete de refrigeración (para versiones B)

| Modelo | | | | | | | | | | | Pie | | | | | | | | | | Medida[1] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Versión | A | B | C | E | F | G | H1 | H2 | H3 | Q | R | S | T | U | V | Z | Y | X | Ød | (C) |
| FRC 502/4 N5A | 5 | 1045 | 855 | 702 | 315 | 355 | 184 | 500 | 415 | 630 | 80 | 355 | 50 | 405 | 25 | 455 | 2 | 695 | 442,5 | 17 | 747 |
| FRC 501/4 N5A | 5 | 1045 | 855 | 738 | 315 | 355 | 184 | 500 | 415 | 630 | 80 | 355 | 50 | 405 | 25 | 455 | 2 | 695 | 442,5 | 17 | 783 |
| FRC 562/4 N5A | 5 | 1175 | 960 | 783 | 355 | 400 | 206,5 | 560 | 465 | 710 | 80 | 400 | 50 | 450 | 25 | 500 | 3 | 400 | 338,3 | 17 | 828 |
| FRC 562/4 N5A | 5 | 1175 | 960 | 800 | 355 | 400 | 206,5 | 560 | 465 | 710 | 80 | 400 | 50 | 450 | 25 | 500 | 3 | 400 | 338,3 | 17 | 845 |
| FRC 561/4 N5A | 5 | 1175 | 960 | 783 | 355 | 400 | 206,5 | 560 | 465 | 710 | 80 | 400 | 50 | 450 | 25 | 500 | 3 | 400 | 338,3 | 17 | 828 |
| FRC 561/4 N5A | 5 | 1175 | 960 | 783 | 355 | 400 | 206,5 | 560 | 465 | 710 | 80 | 400 | 50 | 450 | 25 | 500 | 3 | 400 | 338,3 | 17 | 828 |
| FRC 632/4 N5A | 5 | 1325 | 1080 | 927 | 400 | 450 | 234,5 | 630 | 525 | 800 | 80 | 450 | 50 | 500 | 25 | 550 | 3 | 460 | 388,3 | 17 | 977 |
| FRC 632/4 N5A | 5 | 1325 | 1080 | 927 | 400 | 450 | 234,5 | 630 | 525 | 800 | 80 | 450 | 50 | 500 | 25 | 550 | 3 | 460 | 388,3 | 17 | 977 |
| FRC 631/4 N5A | 5 | 1325 | 1080 | 850 | 400 | 450 | 234,5 | 630 | 525 | 800 | 80 | 450 | 50 | 500 | 25 | 550 | 3 | 460 | 388,3 | 17 | 895 |
| FRC 631/4 N5A | 5 | 1325 | 1080 | 927 | 400 | 450 | 234,5 | 630 | 525 | 800 | 80 | 450 | 50 | 500 | 25 | 550 | 3 | 460 | 388,3 | 17 | 977 |
| FRC 712/4 N45A | B45 | 1490 | 1210 | 1049 | 450 | 500 | 260,5 | 710 | 590 | 900 | 80 | 500 | 50 | 550 | 25 | 600 | 3 | 525 | 443,3 | 19 | 1109 |
| FRC 712/4 N45A | B45 | 1490 | 1210 | 1093 | 450 | 500 | 260,5 | 710 | 590 | 900 | 80 | 500 | 50 | 550 | 25 | 600 | 3 | 525 | 443,3 | 19 | 1153 |
| FRC 711/4 N5A | 5 | 1490 | 1210 | 979 | 450 | 500 | 260,5 | 710 | 590 | 900 | 80 | 500 | 50 | 550 | 25 | 600 | 3 | 525 | 443,3 | 19 | 1029 |
| FRC 711/4 N45A | B45 | 1490 | 1210 | 1049 | 450 | 500 | 260,5 | 710 | 590 | 900 | 80 | 500 | 50 | 550 | 25 | 600 | 3 | 525 | 443,3 | 19 | 1109 |
| FRC 802/4 N45A | B45 | 1674 | 1360 | 1185 | 500 | 560 | 290,5 | 800 | 674 | 1000 | 80 | 560 | 60 | 620 | 30 | 680 | 3 | 600 | 504,7 | 19 | 1245 |
| FRC 802/4 N45A | B45 | 1674 | 1360 | 1223 | 500 | 560 | 290,5 | 800 | 674 | 1000 | 80 | 560 | 60 | 620 | 30 | 680 | 3 | 600 | 504,7 | 19 | 1283 |
| FRC 801/4 N45A | B45 | 1674 | 1360 | 1163 | 500 | 560 | 290,5 | 800 | 674 | 1000 | 80 | 560 | 60 | 620 | 30 | 680 | 3 | 600 | 504,7 | 19 | 1223 |
| FRC 801/4 N45A | B45 | 1674 | 1360 | 1185 | 500 | 560 | 290,5 | 800 | 674 | 1000 | 80 | 560 | 60 | 620 | 30 | 680 | 3 | 600 | 504,7 | 19 | 1245 |
| FRC 502/6 N5A | 5 | 1045 | 855 | 702 | 315 | 355 | 184 | 500 | 415 | 630 | 80 | 355 | 50 | 405 | 25 | 455 | 2 | 695 | 442,5 | 17 | 747 |
| FRC 501/6 N5A | 5 | 1045 | 855 | 658 | 315 | 355 | 184 | 500 | 415 | 630 | 80 | 355 | 50 | 405 | 25 | 455 | 2 | 695 | 442,5 | 17 | 698 |
| FRC 562/6 N5A | 5 | 1175 | 960 | 747 | 355 | 400 | 206,5 | 560 | 465 | 710 | 80 | 400 | 50 | 450 | 25 | 500 | 3 | 400 | 338,3 | 17 | 792 |
| FRC 561/6 N5A | 5 | 1175 | 960 | 747 | 355 | 400 | 206,5 | 560 | 465 | 710 | 80 | 400 | 50 | 450 | 25 | 500 | 3 | 400 | 338,3 | 17 | 792 |
| FRC 632/6 N5A | 5 | 1325 | 1080 | 833 | 400 | 450 | 234,5 | 630 | 525 | 800 | 80 | 450 | 50 | 500 | 25 | 550 | 3 | 460 | 388,3 | 17 | 878 |
| FRC 631/6 N5A | 5 | 1325 | 1080 | 833 | 400 | 450 | 234,5 | 630 | 525 | 800 | 80 | 450 | 50 | 500 | 25 | 550 | 3 | 460 | 388,3 | 17 | 878 |
| FRC 631/6 N5A | 5 | 1325 | 1080 | 833 | 400 | 450 | 234,5 | 630 | 525 | 800 | 80 | 450 | 50 | 500 | 25 | 550 | 3 | 460 | 388,3 | 17 | 878 |
| FRC 712/6 N5A | 5 | 1490 | 1210 | 979 | 450 | 500 | 260,5 | 710 | 590 | 900 | 80 | 500 | 50 | 550 | 25 | 600 | 3 | 525 | 443,3 | 19 | 1029 |
| FRC 712/6 N5A | 5 | 1490 | 1210 | 979 | 450 | 500 | 260,5 | 710 | 590 | 900 | 80 | 500 | 50 | 550 | 25 | 600 | 3 | 525 | 443,3 | 19 | 1029 |
| FRC 711/6 N5A | 5 | 1490 | 1210 | 885 | 450 | 500 | 260,5 | 710 | 590 | 900 | 80 | 500 | 50 | 550 | 25 | 600 | 3 | 525 | 443,3 | 19 | 930 |
| FRC 711/6 N5A | 5 | 1490 | 1210 | 979 | 450 | 500 | 260,5 | 710 | 590 | 900 | 80 | 500 | 50 | 550 | 25 | 600 | 3 | 525 | 443,3 | 19 | 1029 |
| FRC 802/6 N5A | 5 | 1674 | 1360 | 1049 | 500 | 560 | 290,5 | 800 | 674 | 1000 | 80 | 560 | 60 | 620 | 30 | 680 | 3 | 600 | 504,7 | 19 | 1099 |
| FRC 802/6 N45A | B45 | 1674 | 1360 | 1119 | 500 | 560 | 290,5 | 800 | 674 | 1000 | 80 | 560 | 60 | 620 | 30 | 680 | 3 | 600 | 504,7 | 19 | 1179 |
| FRC 801/6 N5A | 5 | 1674 | 1360 | 1049 | 500 | 560 | 290,5 | 800 | 674 | 1000 | 80 | 560 | 60 | 620 | 30 | 680 | 3 | 600 | 504,7 | 19 | 1099 |
| FRC 801/6 N5A | 5 | 1674 | 1360 | 1049 | 500 | 560 | 290,5 | 800 | 674 | 1000 | 80 | 560 | 60 | 620 | 30 | 680 | 3 | 600 | 504,7 | 19 | 1099 |

[1] Con rodete de refrigeración (para versiones B)

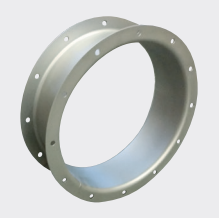
## DIMENSIONES (mm)



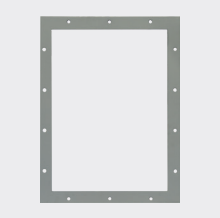

| Modelo | Brida aspiración | | | | | Brida descarga | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ØD | ØD1 | ØD2 | Ød2 | n | NºY | a | a¹ | a² | NºX | b | b¹ | b² | t [1] | Ød1 |
| FRP 281/2 N5A | 286 | 332 | 366 | 11 | 8 | 3 | 280 | 332 | 360 | 2 | 200 | 249 | 280 | 125 | 11,5 |
| FRP 311/2 N5A | 321 | 366 | 401 | 11 | 8 | 3 | 315 | 366 | 395 | 2 | 224 | 273 | 304 | 125 | 11,5 |
| FRP 352/2 N5A | 361 | 405 | 441 | 11 | 8 | 3 | 355 | 405 | 435 | 2 | 250 | 300 | 330 | 125 | 11,5 |
| FRP 351/2 N5A | 361 | 405 | 441 | 11 | 8 | 3 | 355 | 405 | 435 | 2 | 250 | 300 | 330 | 125 | 11,5 |
| FRP 402/2 N5A | 405 | 448 | 485 | 11 | 12 | 4 | 400 | 448 | 480 | 3 | 280 | 332 | 360 | 125 | 11,5 |
| FRP 401/2 N5A | 405 | 448 | 485 | 11 | 12 | 4 | 400 | 448 | 480 | 3 | 280 | 332 | 360 | 125 | 11,5 |
| FRP 452/2 N5A | 455 | 497 | 535 | 11 | 12 | 4 | 450 | 497 | 530 | 3 | 315 | 366 | 395 | 125 | 11,5 |
| FRP 451/2 N5A | 455 | 497 | 535 | 11 | 12 | 4 | 450 | 497 | 530 | 3 | 315 | 366 | 395 | 125 | 11,5 |
| FRP 502/2 N5A | 505 | 551 | 585 | 11 | 12 | 4 | 500 | 551 | 580 | 3 | 355 | 405 | 435 | 125 | 11,5 |
| FRP 501/2 N5A | 505 | 551 | 585 | 11 | 12 | 4 | 500 | 551 | 580 | 3 | 355 | 405 | 435 | 125 | 11,5 |
| FRP 352/4 N5A | 361 | 405 | 441 | 11 | 8 | 3 | 355 | 405 | 435 | 2 | 250 | 300 | 330 | 125 | 11,5 |
| FRP 351/4 N5A | 361 | 405 | 441 | 11 | 8 | 3 | 355 | 405 | 435 | 2 | 250 | 300 | 330 | 125 | 11,5 |
| FRP 402/4 N5A | 405 | 448 | 485 | 11 | 12 | 4 | 400 | 448 | 480 | 3 | 280 | 332 | 360 | 125 | 11,5 |
| FRP 401/4 N5A | 405 | 448 | 485 | 11 | 12 | 4 | 400 | 448 | 480 | 3 | 280 | 332 | 360 | 125 | 11,5 |
| FRP 452/4 N5A | 455 | 497 | 535 | 11 | 12 | 4 | 450 | 497 | 530 | 3 | 315 | 366 | 395 | 125 | 11,5 |
| FRP 451/4 N5A | 455 | 497 | 535 | 11 | 12 | 4 | 450 | 497 | 530 | 3 | 315 | 366 | 395 | 125 | 11,5 |
| FRP 451/4 N5A | 455 | 497 | 535 | 11 | 12 | 4 | 450 | 497 | 530 | 3 | 315 | 366 | 395 | 125 | 11,5 |
| FRP 502/4 N5A | 505 | 551 | 585 | 11 | 12 | 4 | 500 | 551 | 580 | 3 | 355 | 405 | 435 | 125 | 11,5 |
| FRP 502/4 N5A | 505 | 551 | 585 | 11 | 12 | 4 | 500 | 551 | 580 | 3 | 355 | 405 | 435 | 125 | 11,5 |
| FRP 501/4 N5A | 505 | 551 | 585 | 11 | 12 | 4 | 500 | 551 | 580 | 3 | 355 | 405 | 435 | 125 | 11,5 |
| FRP 562/4 N5A | 566 | 629 | 665 | 13 | 16 | 4 | 560 | 629 | 660 | 3 | 400 | 464 | 500 | 160 | 11,5 |
| FRP 562/4 N5A | 566 | 629 | 665 | 13 | 16 | 4 | 560 | 629 | 660 | 3 | 400 | 464 | 500 | 160 | 11,5 |
| FRP 561/4 N5A | 566 | 629 | 665 | 13 | 16 | 4 | 560 | 629 | 660 | 3 | 400 | 464 | 500 | 160 | 11,5 |
| FRP 561/4 N5A | 566 | 629 | 665 | 13 | 16 | 4 | 560 | 629 | 660 | 3 | 400 | 464 | 500 | 160 | 11,5 |
| FRP 632/4 N5A | 636 | 698 | 736 | 13 | 16 | 4 | 630 | 698 | 730 | 3 | 450 | 513 | 550 | 160 | 11,5 |
| FRP 632/4 N5A | 636 | 698 | 736 | 13 | 16 | 4 | 630 | 698 | 730 | 3 | 450 | 513 | 550 | 160 | 11,5 |
| FRP 631/4 N5A | 636 | 698 | 736 | 13 | 16 | 4 | 630 | 698 | 730 | 3 | 450 | 513 | 550 | 160 | 11,5 |
| FRP 631/4 N5A | 636 | 698 | 736 | 13 | 16 | 4 | 630 | 698 | 730 | 3 | 450 | 513 | 550 | 160 | 11,5 |
| FRP 712/4 N5A | 716 | 775 | 816 | 13 | 16 | 5 | 710 | 775 | 810 | 3 | 500 | 567 | 600 | 160 | 14 |
| FRP 712/4 N5A | 716 | 775 | 816 | 13 | 16 | 5 | 710 | 775 | 810 | 3 | 500 | 567 | 600 | 160 | 14 |
| FRP 711/4 N5A | 716 | 775 | 816 | 13 | 16 | 5 | 710 | 775 | 810 | 3 | 500 | 567 | 600 | 160 | 14 |
| FRP 711/4 N5A | 716 | 775 | 816 | 13 | 16 | 5 | 710 | 775 | 810 | 3 | 500 | 567 | 600 | 160 | 14 |
| FRP 802/4 N5A | 806 | 861 | 890 | 13 | 16 | 4 | 800 | 871 | 920 | 3 | 560 | 639 | 680 | 200 | 14 |
| FRP 802/4 N5A | 806 | 861 | 890 | 13 | 16 | 4 | 800 | 871 | 920 | 3 | 560 | 639 | 680 | 200 | 14 |
| FRP 801/4 N5A | 806 | 861 | 890 | 13 | 16 | 4 | 800 | 871 | 920 | 3 | 560 | 639 | 680 | 200 | 14 |
| FRP 801/4 N5A | 806 | 861 | 890 | 13 | 16 | 4 | 800 | 871 | 920 | 3 | 560 | 639 | 680 | 200 | 14 |
| FRP 502/6 N5A | 505 | 551 | 585 | 11 | 12 | 4 | 500 | 551 | 580 | 3 | 355 | 405 | 435 | 125 | 11,5 |
| FRP 501/6 N5A | 505 | 551 | 585 | 11 | 12 | 4 | 500 | 551 | 580 | 3 | 355 | 405 | 435 | 125 | 11,5 |
| FRP 562/6 N5A | 566 | 629 | 665 | 13 | 16 | 4 | 560 | 629 | 660 | 3 | 400 | 464 | 500 | 160 | 11,5 |
| FRP 561/6 N5A | 566 | 629 | 665 | 13 | 16 | 4 | 560 | 629 | 660 | 3 | 400 | 464 | 500 | 160 | 11,5 |
| FRP 632/6 N5A | 636 | 698 | 736 | 13 | 16 | 4 | 630 | 698 | 730 | 3 | 450 | 513 | 550 | 160 | 11,5 |
| FRP 631/6 N5A | 636 | 698 | 736 | 13 | 16 | 4 | 630 | 698 | 730 | 3 | 450 | 513 | 550 | 160 | 11,5 |
| FRP 631/6 N5A | 636 | 698 | 736 | 13 | 16 | 4 | 630 | 698 | 730 | 3 | 450 | 513 | 550 | 160 | 11,5 |
| FRP 712/6 N5A | 716 | 775 | 816 | 13 | 16 | 5 | 710 | 775 | 810 | 3 | 500 | 567 | 600 | 160 | 14 |
| FRP 712/6 N5A | 716 | 775 | 816 | 13 | 16 | 5 | 710 | 775 | 810 | 3 | 500 | 567 | 600 | 160 | 14 |
| FRP 711/6 N5A | 716 | 775 | 816 | 13 | 16 | 5 | 710 | 775 | 810 | 3 | 500 | 567 | 600 | 160 | 14 |
| FRP 711/6 N5A | 716 | 775 | 816 | 13 | 16 | 5 | 710 | 775 | 810 | 3 | 500 | 567 | 600 | 160 | 14 |
| FRP 802/6 N5A | 806 | 861 | 890 | 13 | 16 | 4 | 800 | 871 | 920 | 3 | 560 | 639 | 680 | 200 | 14 |
| FRP 802/6 N5A | 806 | 861 | 890 | 13 | 16 | 4 | 800 | 871 | 920 | 3 | 560 | 639 | 680 | 200 | 14 |
| FRP 801/6 N5A | 806 | 861 | 890 | 13 | 16 | 4 | 800 | 871 | 920 | 3 | 560 | 639 | 680 | 200 | 14 |
| FRP 801/6 N5A | 806 | 861 | 890 | 13 | 16 | 4 | 800 | 871 | 920 | 3 | 560 | 639 | 680 | 200 | 14 |

[1] Si NºX o NºY = 1, un sólo agujero centrado

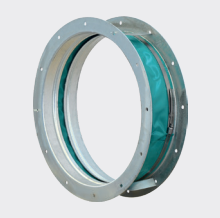
## ACCESORIOS



**CA (CFH1) - CFH2 - CFH3**
Contrabrida - Brida plana circular.



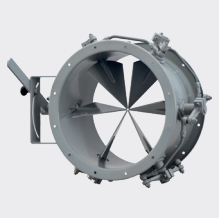
**CP**
Brida plana rectangular.



**GA**
Junta flexible aspiración.



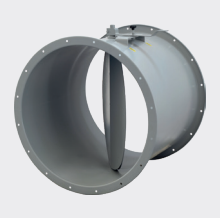
**GP**
Junta flexible descarga.



**DP**
Regulador de caudal de aspiración.



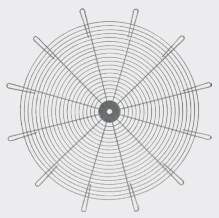
**SAD**
Compuerta de regulación de caudal de descarga.



**SF**
Vávula mariposa.



**DF**
Filtro en la aspiración.



**RC**
Rejilla de protección para la aspiración.



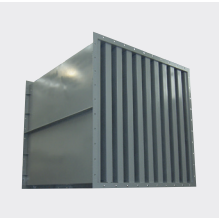
**AM/AZ**
Soportes antivibratorios.



**SCSO**
Silenciador cilíndrico.



**SCCO**
Silenciador cilíndrico con bulbo.



**SASS**
Silenciador rectangular.



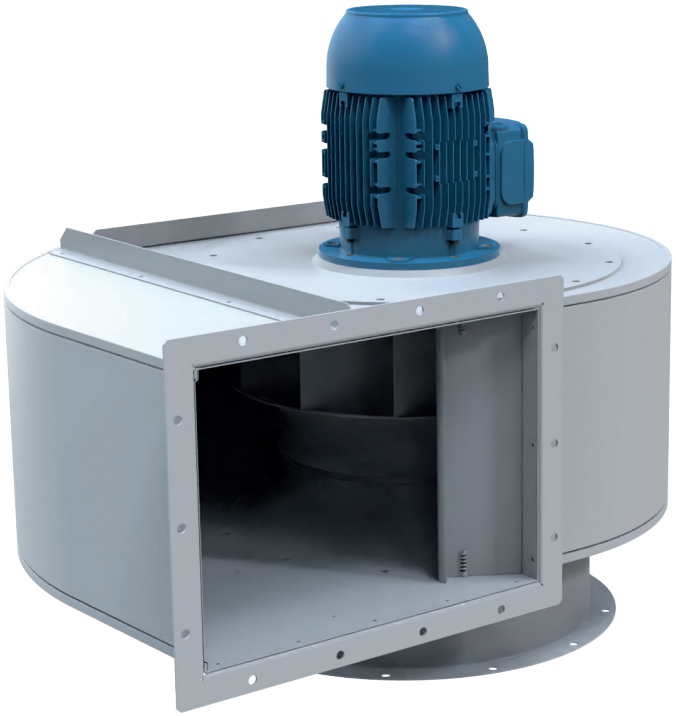
**CI**
Cabina de insonorización.

Ver información completa en página **772**.

# FRP

## VENTILADORES CENTRÍFUGOS DE BAJA PRESIÓN

*ACOPLAMIENTO DIRECTO*

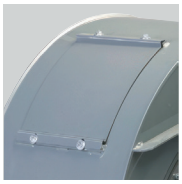


Ventilador centrífugo de acoplamiento directo y simple aspiración. Fabricados en chapa de acero galvanizado. Voluta con puerta de inspección y brida doble incluida. Rodete de álabes curvados hacia atrás con acabado cincado en frío o en chapa de acero protegida contra la corrosión con pintura poliéster, equilibrado dinámicamente. Temperaturas del aire a transportar -20ºC/+100ºC en continuo (carga de polvo hasta un máximo de 50 mg/m³). Preparados para transportar aire limpio.

APLICACIONES

**Aire a transportar**
Aire limpio

**Cantidad de polvo (mg/m³)**
50





Puerta de inspección



Rodete de álabes curvados hacia atrás

**Motores**
De 4 polos, de alta eficiencia IE 2*, tensión de alimentación trifásica 230/400V 50Hz tamaño motor 112 y 400/690V 50Hz para motores de mayor dimensión. Protección IP55, Clase F.

* A partir de 7,5 kW el motor tiene que ir con convertidor de frecuencia o con motor IE 3.

**Bajo pedido**
- Fabricación en diferentes materiales constructivos.
- Modelos 631 y 632 con voluta tipo FR.
- Motores de 2 velocidades.
- Versiones de 60 Hz.
- Pintura en diferentes RAL.
- Versión para alta temperatura: hasta 220ºC (versiones B: con rodete de refrigeración).

**Versiones ATEX**
Bajo pedido, versiones antiexplosivas según la Directiva ATEX para modelos trifásicos: Para trabajar a temperaturas de -20ºC a +60ºC, presión ambiente (absoluta) de 0,8 bar hasta 1,1 bar, según EN 14986.
- Gas:
  - Ex 2G IIB T2-T3-T4, Motor Exd IIB or ExeII
  - Ex 2G IIB+H2 T2-T3-T4, Motor ExdIIc
  - Ex 3G IIB T2-T3-T4, Motor ExnA (sólo para categoría 3G)
  - Ex 3G IIB+H2 T2-T3-T4, Motor ExnA (sólo para categoría 3G)
- Polvo no conductivo:
  - Ex 2D IIIB T125°C-T135°C-T195°C T295°C
  - Ex 3D IIIB T125°C-T135°C-T195°C-T295°C
- Polvo conductivo (con motor IP65 IIIC):
  - Ex 2D IIIC T125°C-T135°C-T195°C-T295°C
  - Ex 3D IIIC T125°C-T135°C-T195°C-T295°C

## CARACTERÍSTICAS TÉCNICAS

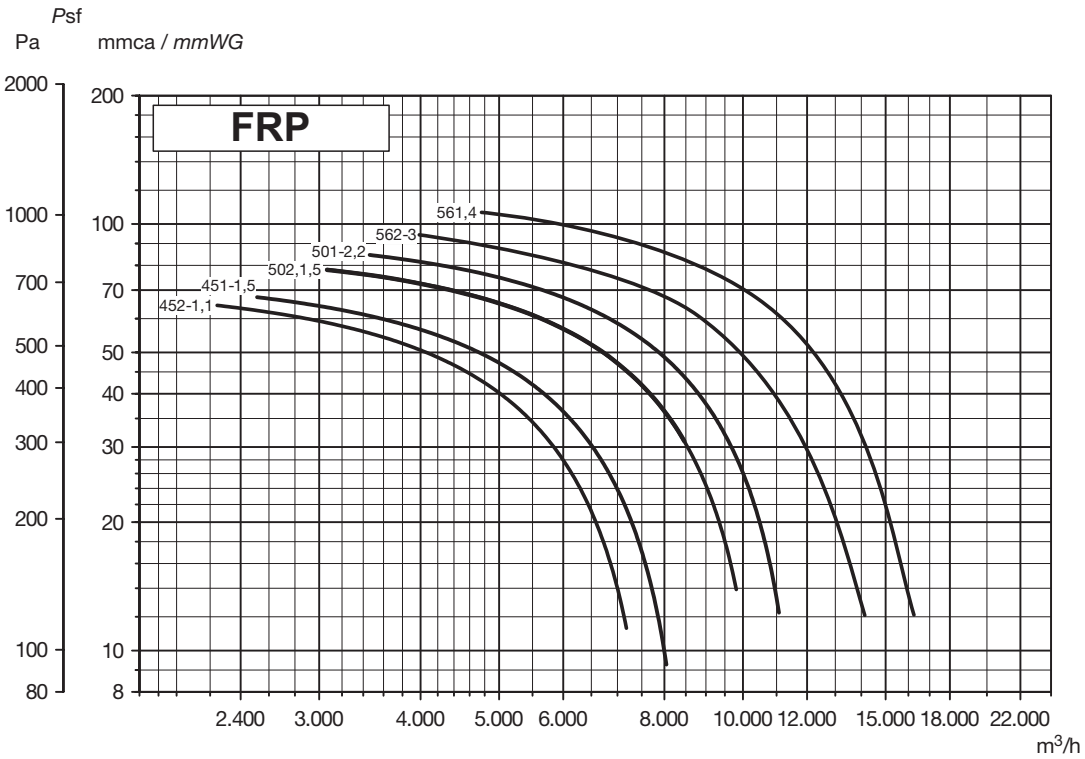
Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación

| Modelo | Velocidad (r.p.m.) | Potencia motor (kW) | Intensidad motor 400V (A) | Caudal máximo (m³/h) | Nivel presión sonora (dB(A)) |
|---|---|---|---|---|---|
| 4 POLOS | | | | | |
| FRP 452/4 N5C P | 1440 | 1,1 | 2,37 | 7.182 | 64 |
| FRP 451/4 N5C P | 1440 | 1,5 | 3,30 | 8.045 | 65 |
| FRP 502/4 N5C P | 1440 | 1,5 | 3,30 | 6.629 | 67 |
| FRP 501/4 N5C P | 1420 | 2,2 | 4,43 | 11.078 | 68 |
| FRP 562/4 N5C P | 1425 | 3,0 | 5,96 | 14.000 | 69 |
| FRP 561/4 N5C P | 1440 | 4,0 | 7,85 | 15.800 | 71 |
| FRP 632/4 N5C P | 1440 | 5,5 | 10,40 | 21.000 | 73 |
| FRP 631/4 N5C P | 1440 | 7,5 | 13,90 | 22.431 | 75 |

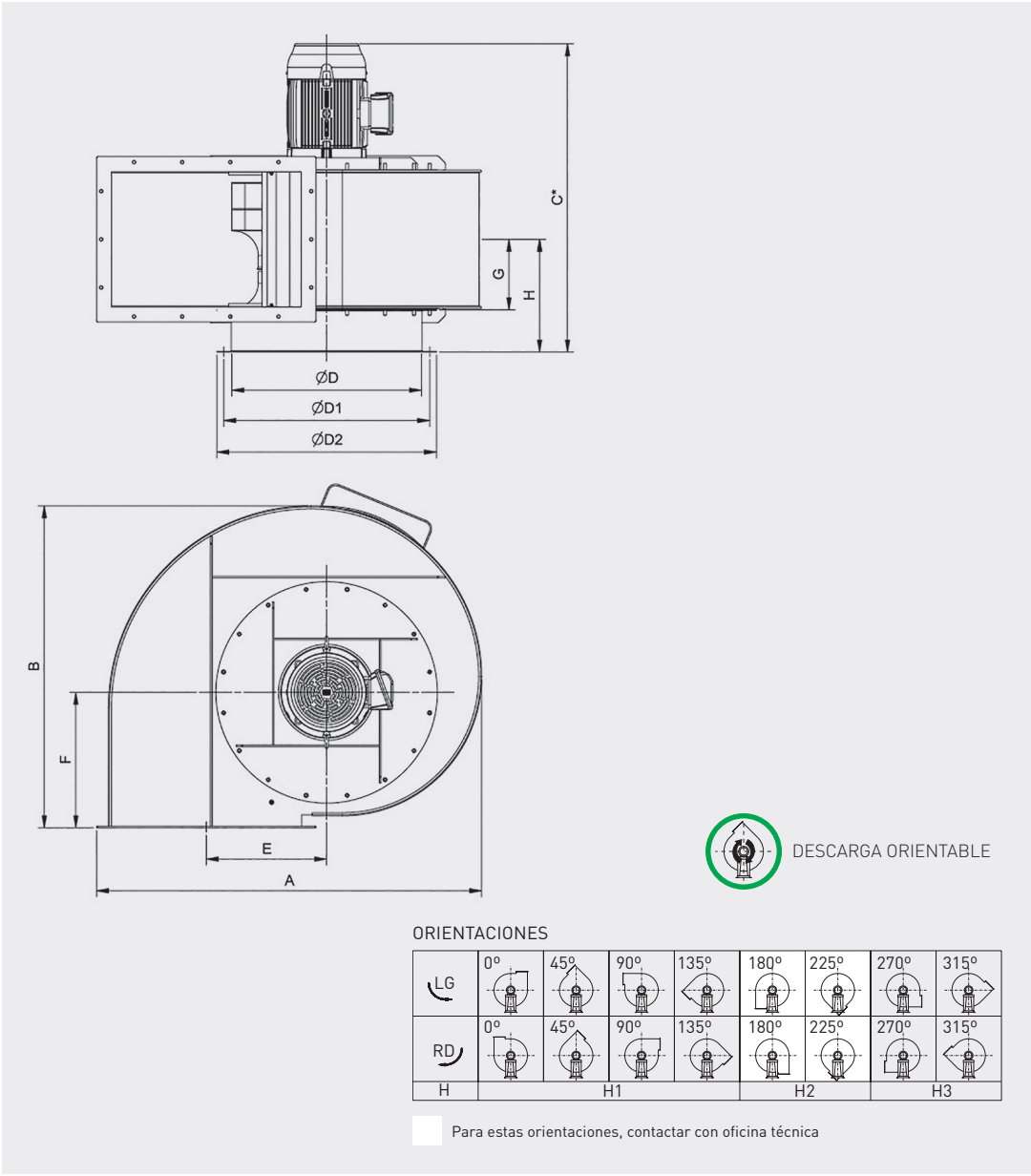
## CURVAS CARACTERÍSTICAS (a la descarga)

- Ventiladores ensayados con la aspiración y la descarga entubadas
- Caudal en m³/h
- **Psf: Presión estática en mmca y Pa**

4 polos - Modelos desde 452 hasta 561



## DIMENSIONES (mm)

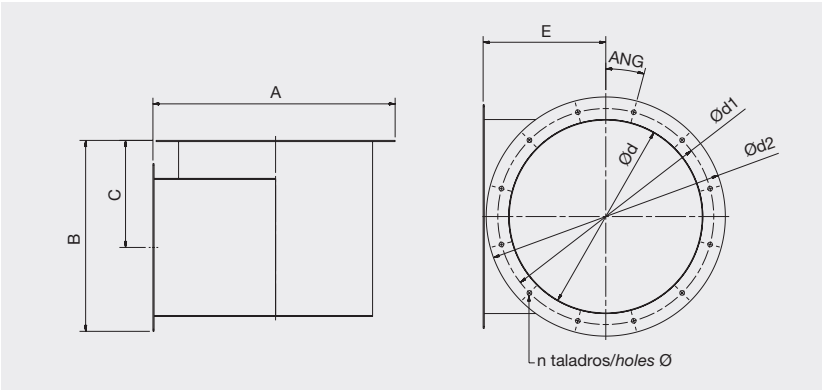



| Modelo | | | | | | | | Brida aspiración | | | Brida descarga | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | E | F | C | G | H | ØD | ØD1 | ØD2 | NºY | a | a¹ | a² | NºX | b | b¹ | b² | t | Ød |
| FRP 452/4 N5C P | 910 | 775 | 280 | 335 | 729 | 164 | 304 | 450 | 497 | 530 | 4 | 450 | 497 | 530 | 3 | 315 | 366 | 395 | 125 | 11,5 |
| FRP 451/4 N5C P | 910 | 775 | 280 | 335 | 754 | 164 | 304 | 450 | 497 | 530 | 4 | 450 | 497 | 530 | 3 | 315 | 366 | 395 | 125 | 11,5 |
| FRP 502/4 N5C P | 1010 | 845 | 315 | 355 | 795 | 184 | 324 | 506 | 551 | 580 | 4 | 500 | 551 | 580 | 3 | 355 | 405 | 435 | 125 | 11,5 |
| FRP 501/4 N5C P | 1010 | 845 | 315 | 355 | 832 | 184 | 324 | 506 | 551 | 580 | 4 | 500 | 551 | 580 | 3 | 355 | 405 | 435 | 125 | 11,5 |
| FRP 562/4 N5C P | 1140 | 950 | 355 | 400 | 921 | 207 | 347 | 568 | 629 | 660 | 4 | 560 | 629 | 660 | 3 | 400 | 464 | 500 | 160 | 11,5 |
| FRP 561/4 N5C P | 1140 | 950 | 355 | 400 | 894 | 207 | 347 | 568 | 629 | 660 | 4 | 560 | 629 | 660 | 3 | 400 | 464 | 500 | 160 | 11,5 |
| FRP 631/6 N5C P 7,5 | 1280 | 1070 | 400 | 450 | 1024 | 235 | 375 | 638 | 698 | 730 | 4 | 630 | 698 | 730 | 3 | 450 | 513 | 550 | 160 | 11,5 |
| FRP 632/6 N5C P 1,5 | 1280 | 1070 | 400 | 450 | 930 | 235 | 375 | 638 | 698 | 730 | 4 | 630 | 698 | 730 | 3 | 450 | 513 | 550 | 160 | 11,5 |
| FRP 631/6 N5C P 1,5 | 1280 | 1070 | 400 | 450 | 930 | 235 | 375 | 638 | 698 | 730 | 4 | 630 | 698 | 730 | 3 | 450 | 513 | 550 | 160 | 11,5 |

## ACCESORIO ESPECÍFICO



**ACOPLAMIENTO CODO**
Deflector para montar en descarga del ventilador para impulsión del aire en dirección vertical.




| Modelo | A | B | C | E | d | d1 | d2 | nxØ | ANG |
|---|---|---|---|---|---|---|---|---|---|
| FRP 450 | 568 | 455 | 257,5 | 293 | 450 | 500 | 550 | 8x12 | 0 |
| FRP 500 | 628 | 495 | 277,5 | 318 | 500 | 560 | 620 | 12x12 | 15 |
| FRP 560 | 690 | 550 | 300 | 340 | 560 | 629 | 700 | 16x12 | 11,25 |

# FRM

## VENTILADORES CENTRÍFUGOS DE BAJA PRESIÓN

*ACOPLAMIENTO DIRECTO*

Ventilador centrífugo directamente acoplado.
Fabricado en acero al carbono protegido contra la corrosión pintando por cataforesis con una mano de acabado de esmalte de poliuretano bicomponente RAL 7045.





Rodete de álabes curvados hacia atrás

### Ejecuciones estándar

Ejecución 4: Acoplamiento directo. Rodete acoplado directamente en el eje del motor B3 apoyado sobre el pie. Temperatura máxima del aire 100 °C. Todos los ventiladores se proponen en orientación RD270 completo con mango, ruedas, acoplamiento circular a la descarga para su fijación en conducto flexible y defensa de protección en aspiración.

### Motores

Motores estándar de 2 polos de alta eficiencia IE-3 con alimentación trifásica 230/400V 50Hz hasta tamaño 112 incluido y 400/690V 50Hz para los tamaños superiores. Grado de protección IP55, clase F.

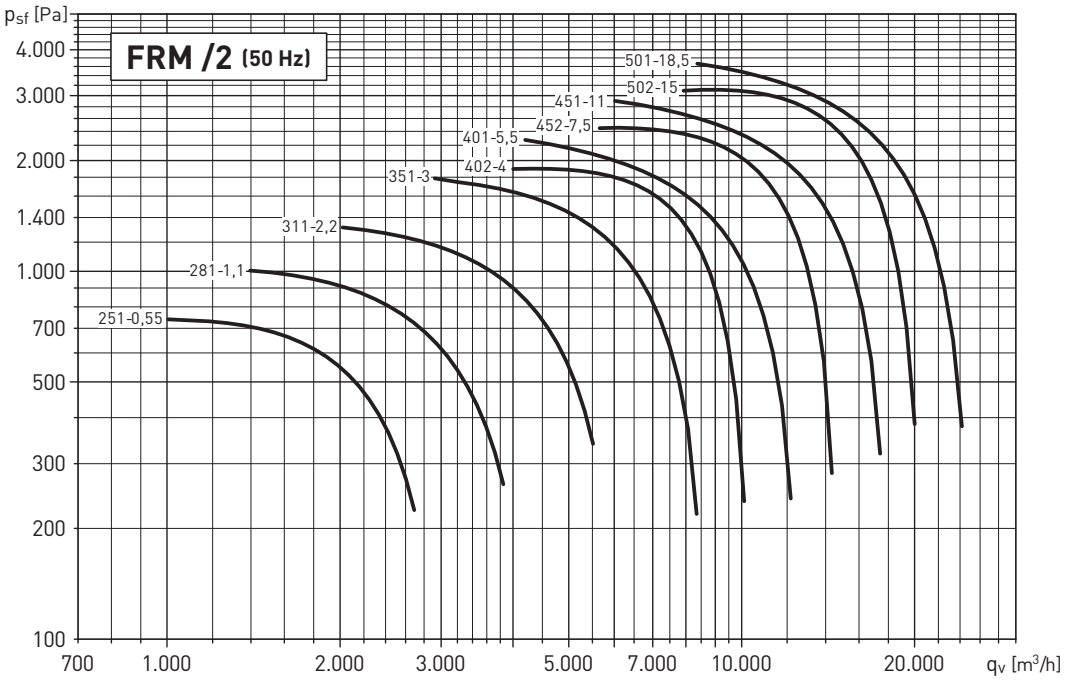
### Variantes de construcción

Ventilador suministrado con o sin panel de arranque. Los paneles están diseñados para conexiones de línea de 400V.
Para potencias entre 0,55 y 4 kW la puesta en marcha es por conexión directa a la línea eléctrica, mientras que para potencias entre 5,5 y 18,5 kW la puesta en marcha es por conexión estrella-triángulo.

## CURVAS CARACTERÍSTICA (a la descarga)

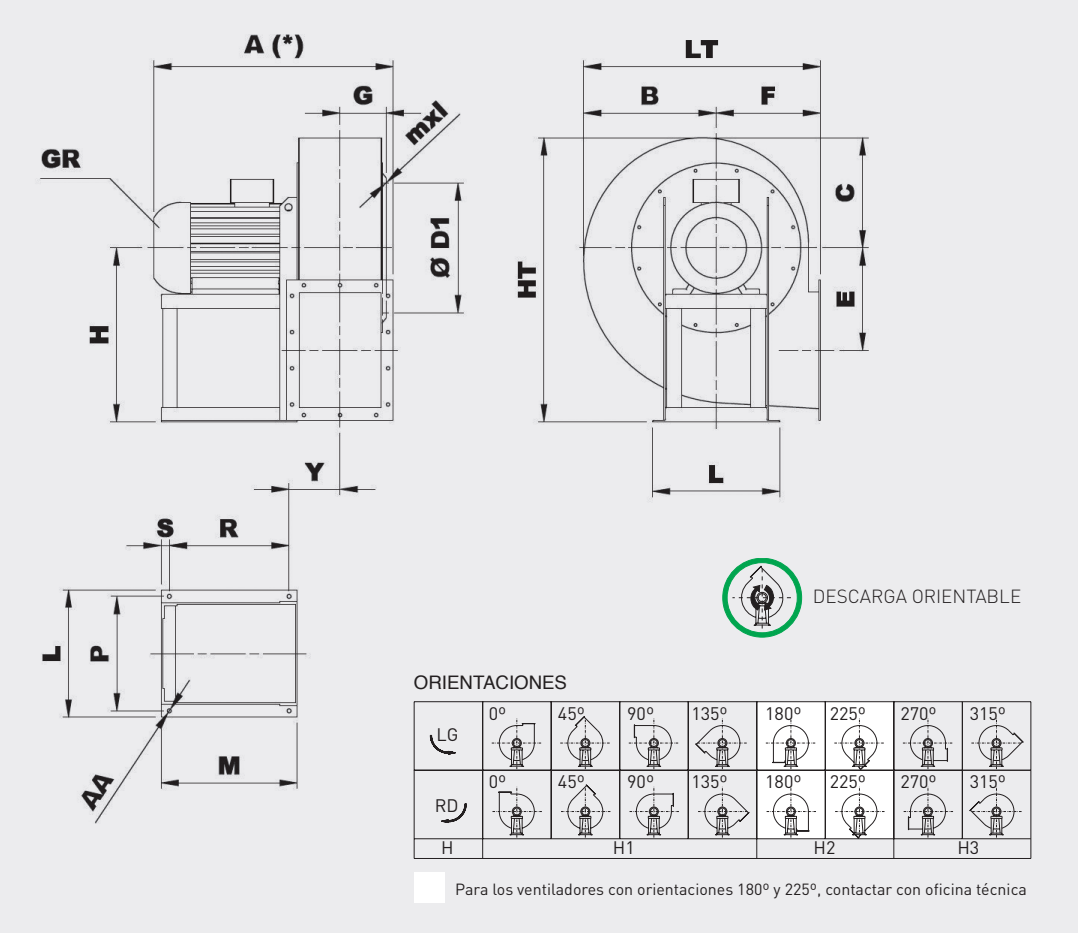
- Caudal en $m^3/h$
- **Psf: Presión estática en Pa**
- Modelo - Potencia motor en kW
- Ejemplo: 451 - 11
  Modelo - kW

2 polos - Modelos del 251 al 501



## DIMENSIONES (mm)

Modelos desde 251 hasta 501

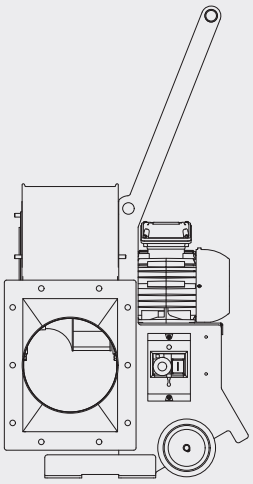


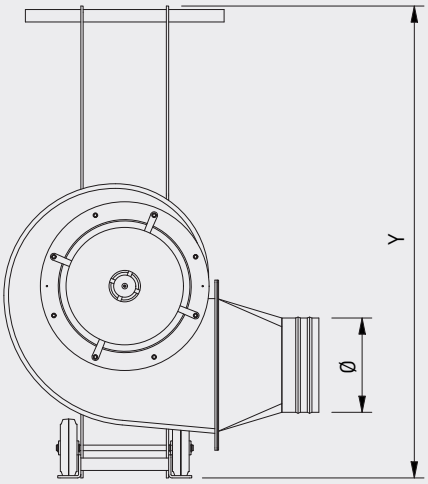

| Modelo | | | | | | | | | | | | | | | Base | | | | | | Ejecución 4B [1] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Motor GR | A* | B | C | ØD1 | E | F | G | H | | | HT | mxl | Y | LT | L | P | M | R | S | ØAA | A | Y | R | M |
| | | | | | | | | | H1 | H2 | H3 | | | | | | | | | | | | | | |
| FR 251/2 N4A | 71B2 | 435 | 245 | 210 | 292 | 150 | 195 | 93 | 315 | 195 | 315 | 525 | M8x20 | 139 | 440 | 225 | 203 | 215 | 156 | 14 | 10 | 447 | 139 | 156 | 215 |
| FR 251/2 N4A | 80A2 | 449 | 245 | 210 | 292 | 150 | 195 | 93 | 315 | 195 | 315 | 525 | M8x20 | 139 | 440 | 225 | 203 | 225 | 166 | 14 | 10 | 461 | 139 | 156 | 215 |
| FR 281/2 N4A | 80B2 | 485 | 270 | 235 | 332 | 171 | 200 | 104 | 375 | 200 | 375 | 610 | M8x20 | 150 | 470 | 225 | 203 | 225 | 166 | 14 | 10 | 568 | 150 | 166 | 225 |
| FR 311/2 N4A | 90L2 | 550 | 300 | 260 | 366 | 196 | 225 | 116 | 400 | 225 | 400 | 660 | M8x20 | 178 | 525 | 260 | 234 | 260 | 183 | 17 | 10 | 579 | 178 | 183 | 260 |
| FR 311/4 N4A | 63B4 | 460 | 300 | 260 | 366 | 196 | 225 | 116 | 400 | 225 | 400 | 660 | M8x20 | 163 | 525 | 206 | 184 | 184 | 125 | 14 | 10 | 493 | 163 | 125 | 184 |
| FR 351/2 N4A | 100LA2 | 610 | 340 | 295 | 405 | 215 | 255 | 129 | 450 | 255 | 450 | 745 | M8x20 | 154 | 595 | 324 | 289 | 295 | 249 | 23 | 12 | 655 | 154 | 249 | 295 |
| FR 351/4 N4A | 71B4 | 515 | 340 | 295 | 405 | 215 | 255 | 129 | 450 | 255 | 450 | 745 | M8x20 | 176 | 595 | 225 | 203 | 215 | 156 | 14 | 10 | 555 | 176 | 156 | 215 |
| FR 401/2 N4A | 132SA2 | 735 | 375 | 330 | 448 | 243 | 285 | 146 | 500 | 285 | 500 | 830 | M8x20 | 170 | 660 | 372 | 337 | 360 | 314 | 23 | 12 | 760 | 170 | 314 | 360 |
| FR 401/4 N4A | 80A4 | 570 | 375 | 330 | 448 | 243 | 285 | 146 | 500 | 285 | 500 | 830 | M8x20 | 192 | 660 | 225 | 203 | 225 | 166 | 14 | 10 | 604 | 192 | 166 | 225 |
| FR 402/2 N4A | 112M2 | 680 | 375 | 330 | 448 | 243 | 285 | 146 | 500 | 285 | 500 | 830 | M8x20 | 170 | 660 | 324 | 289 | 310 | 264 | 23 | 12 | 711 | 170 | 264 | 310 |
| FR 451/2 N4A | 160MB2 | 860 | 425 | 370 | 497 | 273 | 320 | 162 | 560 | 320 | 560 | 930 | M8x25 | 193 | 745 | 440 | 395 | 470 | 414 | 28 | 14 | 900 | 193 | 414 | 470 |
| FR 451/4 N4A | 90S4 | 640 | 425 | 370 | 497 | 273 | 320 | 162 | 560 | 320 | 560 | 930 | M8x25 | 225 | 745 | 260 | 234 | 260 | 183 | 17 | 10 | 685 | 225 | 183 | 260 |
| FR 452/2 N4A | 132SB2 | 770 | 425 | 370 | 497 | 273 | 320 | 162 | 560 | 320 | 560 | 930 | M8x25 | 188 | 745 | 372 | 337 | 360 | 314 | 23 | 12 | 795 | 188 | 314 | 360 |
| FR 452/4 N4A | 80B4 | 600 | 425 | 370 | 497 | 273 | 320 | 162 | 560 | 320 | 560 | 930 | M8x25 | 210 | 745 | 225 | 203 | 225 | 166 | 14 | 10 | 639 | 210 | 166 | 225 |
| FR 501/2 N4A | 160L2 | 900 | 470 | 410 | 551 | 301 | 360 | 182 | 600 | 360 | 600 | 1010 | M8x25 | 213 | 830 | 440 | 395 | 470 | 414 | 28 | 14 | 939 | 213 | 414 | 470 |
| FR 501/4 N4A | 100LA4 | 715 | 470 | 410 | 551 | 301 | 360 | 182 | 600 | 360 | 600 | 1010 | M8x25 | 208 | 830 | 324 | 289 | 295 | 249 | 23 | 12 | 762 | 208 | 249 | 295 |
| FR 501/6 N4A | 80B6 | 640 | 470 | 410 | 551 | 301 | 360 | 182 | 600 | 360 | 600 | 1010 | M8x25 | 230 | 830 | 225 | 203 | 225 | 166 | 14 | 10 | 678 | 230 | 166 | 225 |
| FR 502/2 N4A | 160M2 | 900 | 470 | 410 | 551 | 301 | 360 | 182 | 600 | 360 | 600 | 1010 | M8x25 | 213 | 830 | 440 | 395 | 470 | 414 | 28 | 14 | 939 | 213 | 414 | 470 |
| FR 502/4 N4A | 90L4 | 680 | 470 | 410 | 551 | 301 | 360 | 182 | 600 | 360 | 600 | 1010 | M8x25 | 245 | 830 | 260 | 234 | 260 | 183 | 17 | 10 | 712 | 245 | 183 | 260 |
| FR 502/6 N4A | 80B6 | 640 | 470 | 410 | 551 | 301 | 360 | 182 | 600 | 360 | 600 | 1010 | M8x25 | 230 | 830 | 225 | 203 | 225 | 166 | 14 | 10 | 678 | 230 | 166 | 225 |

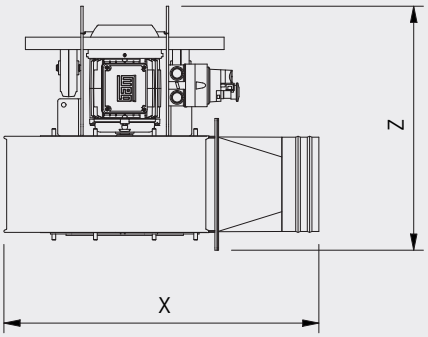
[1] Con rodete de refrigeración
* Según tamaño motor

## PLANO CONSTRUCTIVO

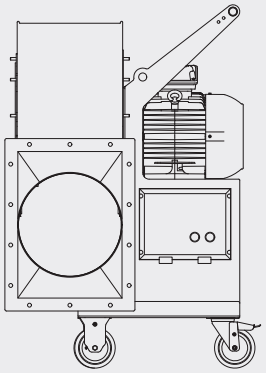
Modelos de 0,55kW a 3kW

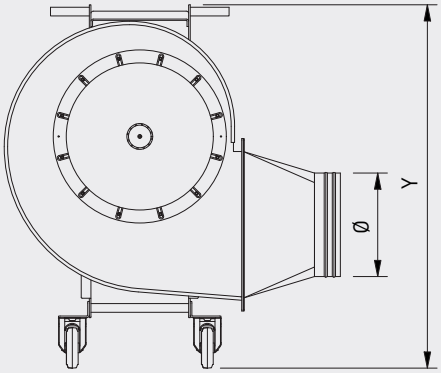


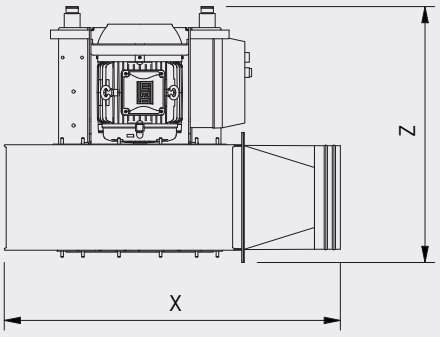



Modelos de 4kW a 18,5kW





## CARACTERÍSTICAS TÉCNICAS Y DIMENSIONES (mm)

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación

| Tipo | Dimensiones generales del ventilador (mm) | | | Peso (kg) | Ruedas | Acoplamiento externo Ø (mm) | Motor | | | Conexión | Toma CEE (A) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Tamaño | Potencia (kW) | Polos | | |
| | X | Y | Z | | | | | | | | |
| FRM 251 N4A RD 71 2P 0,55KW | 645 | 1021 | 515 | 39 | 2 | 184 | 71 | 0,55 | 2 | Directo | 16 |
| FRM 281 N4A RD 80 2P 1,1KW | 685 | 1021 | 530 | 43 | 2 | 204 | 80 | 1,1 | 2 | | 16 |
| FRM 311 N4A RD 90 2P 2,2KW | 750 | 1021 | 585 | 61 | 2 | 228 | 90 | 2,2 | 2 | | 16 |
| FRM 351 N4A RD 100 2P 3KW | 840 | 1021 | 620 | 78 | 2 | 254 | 100 | 3 | 2 | | 16 |
| FRM 402 N4A RD 112 2P 4KW | 930 | 1122 | 710 | 104 | 4 | 285 | 112 | 4 | 2 | | 16 |
| FRM 401 N4A RD 132 2P 5,5KW | 930 | 1122 | 785 | 132 | 4 | 285 | 132 | 5,5 | 2 | Estrella-triángulo | 16 |
| FRM 452 N4A RD 132 2P 7,5KW | 1040 | 1122 | 795 | 154 | 4 | 320 | 132 | 7,5 | 2 | | 16 |
| FRM 451 N4A RD 160 2P 11KW | 1040 | 1122 | 905 | 205 | 4 | 320 | 160 | 11 | 2 | | 32 |
| FRM 502 N4A RD 160 2P 15KW | 1145 | 1150 | 640 | 227 | 4 | 360 | 160 | 15 | 2 | | 32 |
| FRM 501 N4A RD 160 2P 18,5KW | 1145 | 1150 | 942 | 241 | 4 | 360 | 160 | 18,5 | 2 | | 64 |

## CONEXIÓN




De 0,55kW a 4kW




De 4kW a 18,5kW

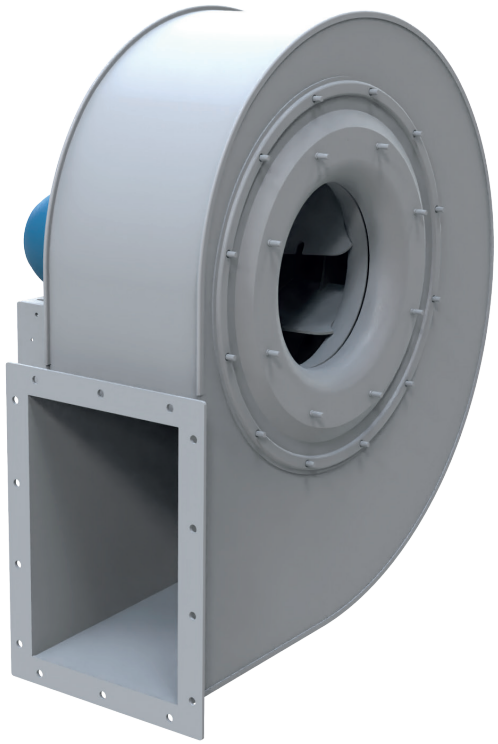
# MEC

## VENTILADORES CENTRÍFUGOS DE BAJA PRESIÓN

*ACOPLAMIENTO DIRECTO*

ErP OK

Ventilador centrífugo de acoplamiento directo y simple aspiración. Fabricados en chapa de acero protegida contra la corrosión mediante tratamiento por cataforesis + pintura poliuretana. Temperaturas del aire a transportar -20ºC/+100ºC en continuo.



APLICACIONES

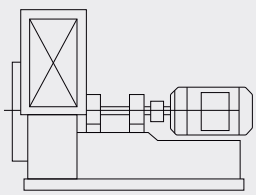
**Aire a transportar**
Polvoriento (ambiente industrial)

**Cantidad de polvo (mg/m³)**
<500



Rodete de álabes curvados hacia atrás

**SISTEMA 8:** acoplamiento mediante junta elástica.



Disponible bajo pedido

### Motores

De 2, 4 o 6 polos, de alta eficiencia IE 3*, tensión de alimentación trifásica 230/400V 50Hz tamaño motor 112 y 400/690V 50Hz para motores de mayor dimensión. Protección IP55, Clase F.

* Entre 75 y 200kW, los motores suministrados serán IE4.

### Bajo pedido

- Fabricación en diferentes materiales constructivos.
- Motores de 2 velocidades.
- Versiones de 60 Hz.
- Pintura en diferentes RAL.
- Versión sin pie soporte (Motor-Brida, Sistema 5), hasta tamaño de motor 160.
- Versión para alta temperatura: hasta 220ºC (versiones B: con rodete de refrigeración).
- SISTEMA 8: acoplamiento mediante junta elástica.
- Trampilla de inspección, purga de drenaje, distintos tipos de estanqueidad a nivel de voluta y de paso de eje.
- Ventiladores estancos.
- Calorifugado.

### Versiones ATEX

Bajo pedido, versiones antiexplosivas según la Directiva ATEX para modelos trifásicos: Para trabajar a temperaturas de -20ºC a +60ºC, presión ambiente (absoluta) de 0,8 bar hasta 1,1 bar, según EN 14986.

- Gas:
  - Ex 2G IIB T2-T3-T4
  - Ex 2G IIB+H2 T2-T3-T4
  - Ex 3G IIB T2-T3-T4
  - Ex 3G IIB+H2 T2-T3-T4
- Polvo no conductivo:
  - Ex 2D IIIB T125°C-T135°C-T195°C-T295°C
  - Ex 3D IIIB T125°C-T135°C-T195°C-T295°C
- Polvo conductivo (con motor IP65 IIIC):
  - Ex 2D IIIC T125°C-T135°C-T195°C-T295°C
  - Ex 3D IIIC T125°C-T135°C-T195°C-T295°C

*Viabilidad técnica solicitada.

## CARACTERÍSTICAS TÉCNICAS

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación

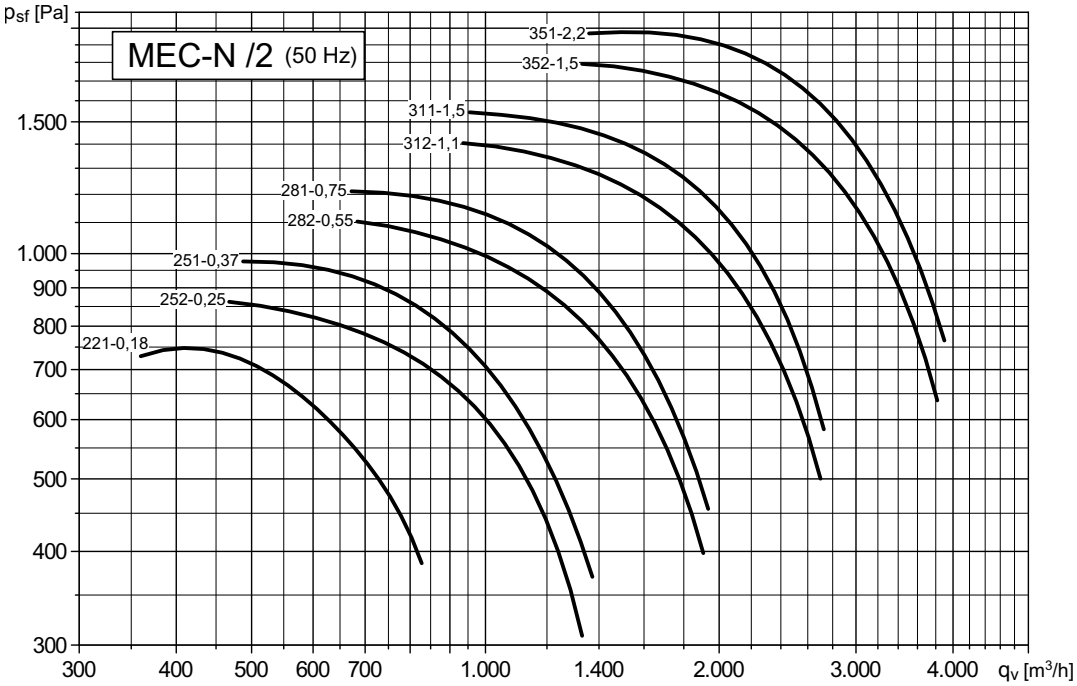
| Modelo | Tamaño motor | Velocidad (r.p.m.) | Potencia motor (kW) | Intensidad motor 400V (A) | Caudal máximo ($m^3/h$) | Nivel presión sonora a 1 m (dB(A))[1] | Peso (kg)[2] | Momento de inercia ($kg \cdot m^2$)[3] |
|---|---|---|---|---|---|---|---|---|
| 2 POLOS | | | | | | | | |
| MEC 221/2 N4A | 63A2 | 2750 | 0,18 | 0,5 | 830 | 63 | 17 | 0,02 |
| MEC 252/2 N4A | 63B2 | 2780 | 0,25 | 0,68 | 1.330 | 65 | 23 | 0,02 |
| MEC 251/2 N4A | 71A2 | 2810 | 0,37 | 0,9 | 1.370 | 66 | 25 | 0,03 |
| MEC 282/2 N4A | 71B2 | 2820 | 0,55 | 1,25 | 1.910 | 68 | 29 | 0,04 |
| MEC 281/2 N4A | 80A2 | 2830 | 0,75 | 1,59 | 1.940 | 69 | 31 | 0,04 |
| MEC 312/2 N4A | 80B2 | 2840 | 1,1 | 2,33 | 2.700 | 72 | 40 | 0,05 |
| MEC 311/2 N4A | 90S2 | 2840 | 1,5 | 3,07 | 2.730 | 75 | 42 | 0,05 |
| MEC 352/2 N4A | 90S2 | 2840 | 1,5 | 3,07 | 3.820 | 75 | 64 | 0,11 |
| MEC 351/2 N4A | 90L2 | 2850 | 2,2 | 4,43 | 3.900 | 78 | 67 | 0,13 |
| MEC 402/2 N4A | 100LA2 | 2900 | 3 | 5,77 | 6.120 | 81 | 101 | 0,18 |
| MEC 401/2 N4A | 112M2 | 2910 | 4 | 7,5 | 6.200 | 82 | 105 | 0,2 |
| MEC 452/2 N4A | 132SA2 | 2890 | 5,5 | 10,1 | 8.500 | 85 | 146 | 0,3 |
| MEC 451/2 N4A | 132SB2 | 2890 | 7,5 | 13,9 | 8.720 | 86 | 152 | 0,35 |
| MEC 502/2 N4A | 160MR2 | 2930 | 11 | 18,7 | 12.060 | 89 | 230 | 0,6 |
| MEC 501/2 N4A | 160M2 | 2935 | 15 | 25,4 | 12.750 | 90 | 242 | 0,7 |
| MEC 562/2 N4A | 160L2 | 2935 | 18,5 | 33,3 | 17.100 | 91 | 282 | 0,9 |
| MEC 561/2 N4A | 180M2 | 2940 | 22 | 39 | 18.140 | 92 | 312 | 1 |
| 4 POLOS | | | | | | | | |
| MEC 502/4 N4A | 90S4 | 1400 | 1,1 | 2,3 | 5.760 | 68 | 128 | 0,5 |
| MEC 501/4 N4A | 90L4 | 1400 | 1,5 | 3,15 | 6.080 | 69 | 131 | 0,6 |
| MEC 562/4 N4A | 100LA4 | 1420 | 2,2 | 4,56 | 8.270 | 71 | 138 | 0,8 |
| MEC 561/4 N4A | 100LB4 | 1430 | 3 | 6,15 | 8.830 | 72 | 142 | 0,8 |
| MEC 632/4 N4A | 112M4 | 1425 | 4 | 8,2 | 12.060 | 75 | 175 | 1,4 |
| MEC 631/4 N4A | 132SA4 | 1440 | 5,5 | 10,3 | 12.860 | 79 | 188 | 1,6 |
| MEC 712/4 N4A | 132MA4 | 1450 | 7,5 | 13,9 | 17.100 | 79 | 281 | 2,7 |
| MEC 711/4 N4A | 160M4 | 1450 | 11 | 20,7 | 16.970 | 80 | 304 | 3 |
| MEC 802/4 N4A | 160L4 | 1450 | 15 | 28,4 | 24.120 | 83 | 397 | 4,3 |
| MEC 801/4 N4A | 180M4 | 1460 | 18,5 | 34,9 | 25.950 | 84 | 427 | 4,8 |
| MEC 902/4 N4A | 200L4 | 1470 | 30 | 54,6 | 34.200 | 86 | – | 7,5 |
| MEC 901/4 N4A | 225S4 | 1475 | 37 | 65,6 | 39.830 | 87 | – | 8,5 |
| MEC 1002/4 N4A | 225M4 | 1475 | 45 | 79,4 | 47.520 | 90 | – | 12 |
| MEC 1001/4 N4A | 250M4 | 1475 | 55 | 96,9 | 56.130 | 91 | – | 13,3 |
| MEC 1122/4 N4A | 280S4 | 1475 | 75 | 130 | 68.400 | 93 | – | 26,5 |
| MEC 1121/4 N4A | 280M4 | 1480 | 90 | 158 | 78.490 | 94 | – | 29,5 |
| 6 POLOS | | | | | | | | |
| MEC 802/6 N4A | 132MA6 | 960 | 4 | 7,3 | 15.970 | 73 | 327 | 4 |
| MEC 801/6 N4A | 132MB6 | 960 | 5,5 | 12,8 | 17.060 | 74 | 337 | 4,5 |
| MEC 902/6 N4A | 160M6 | 965 | 7,5 | 14,7 | 22.450 | 76 | – | 7,3 |
| MEC 901/6 N4A | 160L6 | 965 | 11 | 21,5 | 26.060 | 77 | – | 8,3 |
| MEC 1002/6 N4A | 180L6 | 965 | 15 | 30,4 | 31.090 | 79 | – | 11,8 |
| MEC 1001/6 N4A | 200LR6 | 970 | 18,5 | 37,3 | 36.920 | 80 | – | 13 |
| MEC 1122/6 N4A | 200L6 | 970 | 22 | 43 | 44.980 | 82 | – | 28,5 |
| MEC 1121/6 N4A | 225M6 | 975 | 30 | 54,2 | 51.710 | 83 | – | 29 |
| MEC 1252/6 N4A | 250M6 | 980 | 37 | 66,6 | 61.200 | 86 | – | 45 |
| MEC 1251/6 N4A | 280S6 | 980 | 45 | 83,4 | 73.380 | 87 | – | 47,5 |
| MEC 1402/6 N4A | 280M6 | 980 | 55 | 102 | 84.960 | 89 | – | 75 |
| MEC 1401/6 N4A | 315S6 | 985 | 75 | 136 | 103.280 | 91 | – | 78,8 |

[1] Entubado en la descarga
Tolerancia del nivel de ruido de +3dB/A, medido en el punto de máxima eficiencia
[2] Con motor incluido y para orientación LG270 o RD270
[3] Momento de inercia del rodete

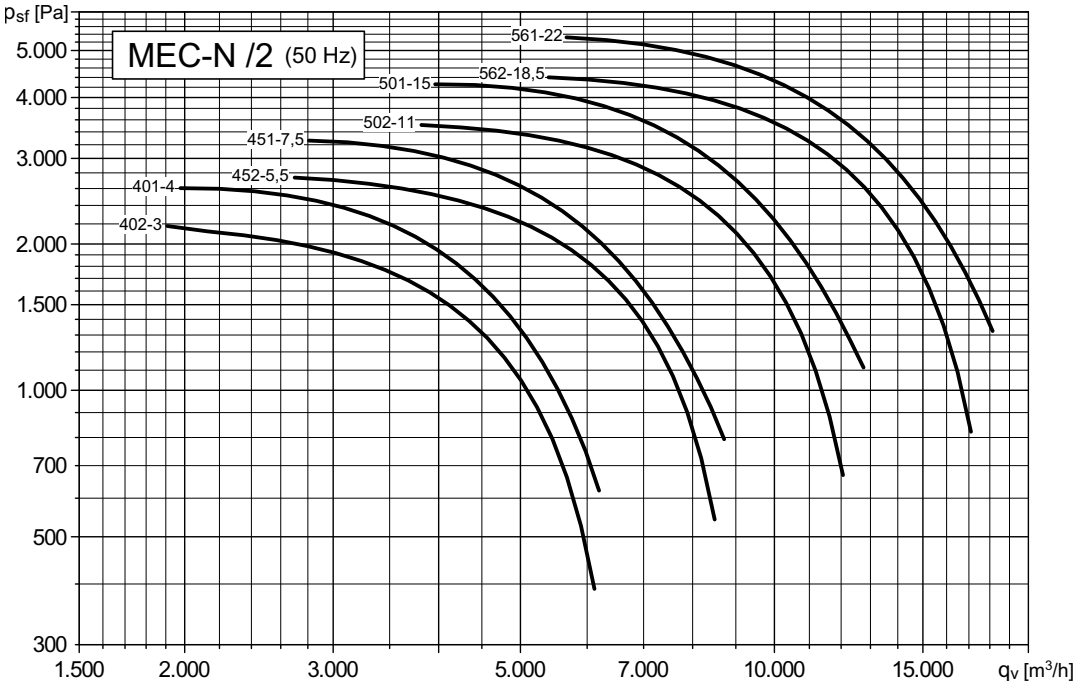
## CURVAS CARACTERÍSTICAS (a la descarga)

- Ventiladores ensayados con la aspiración y la descarga entubadas
- Caudal en m³/h
- **Psf: Presión estática en Pa**
- Modelo - Potencia motor en kW
- Ejemplo: 561 - 22
  Modelo - kW

2 polos - Modelos desde 221 hasta 351



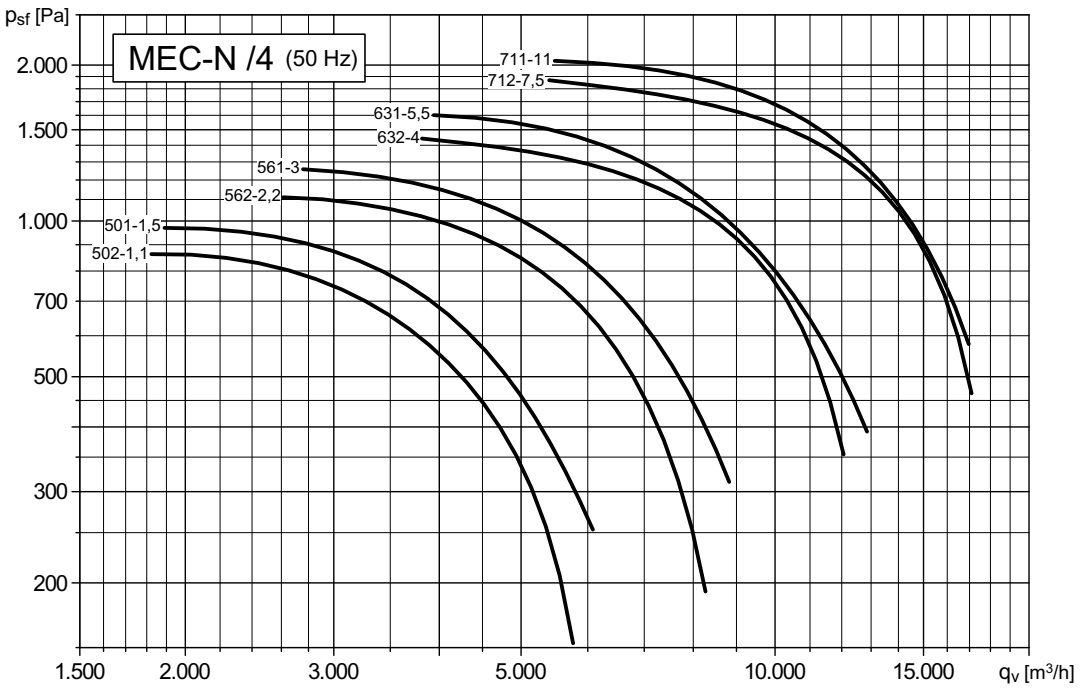

2 polos - Modelos desde 402 hasta 561



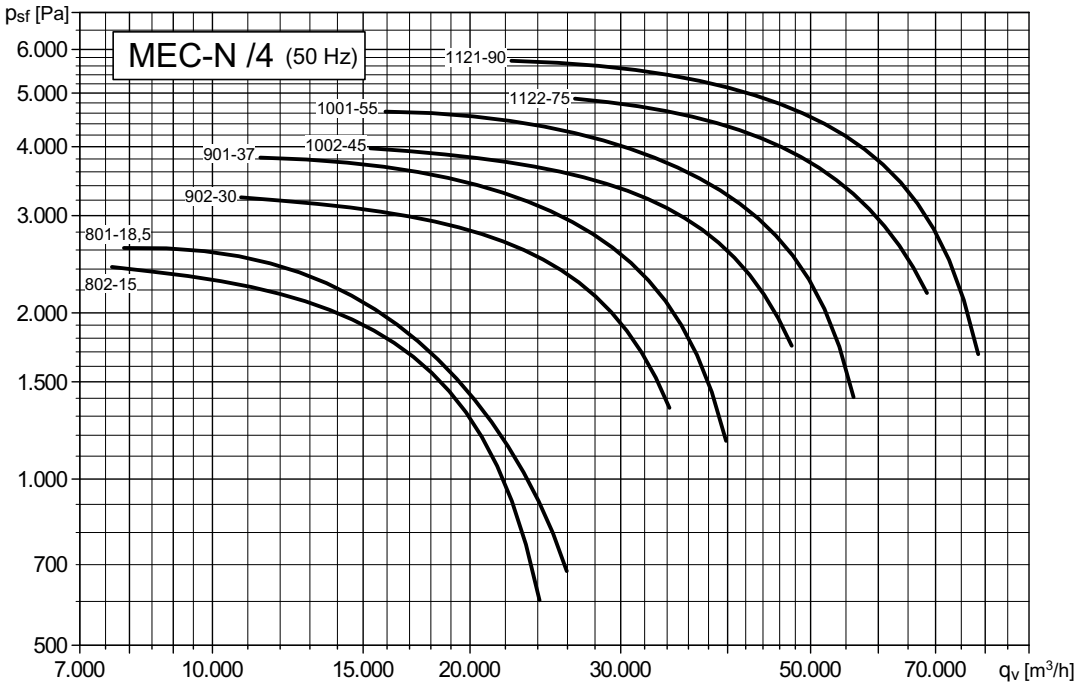
## CURVAS CARACTERÍSTICAS (a la descarga)

- Ventiladores ensayados con la aspiración y la descarga entubadas
- Caudal en m³/h
- **Psf: Presión estática en Pa**
- Modelo - Potencia motor en kW
- Ejemplo: 561 - 3
  Modelo - kW

4 polos - Modelos desde 501 hasta 711



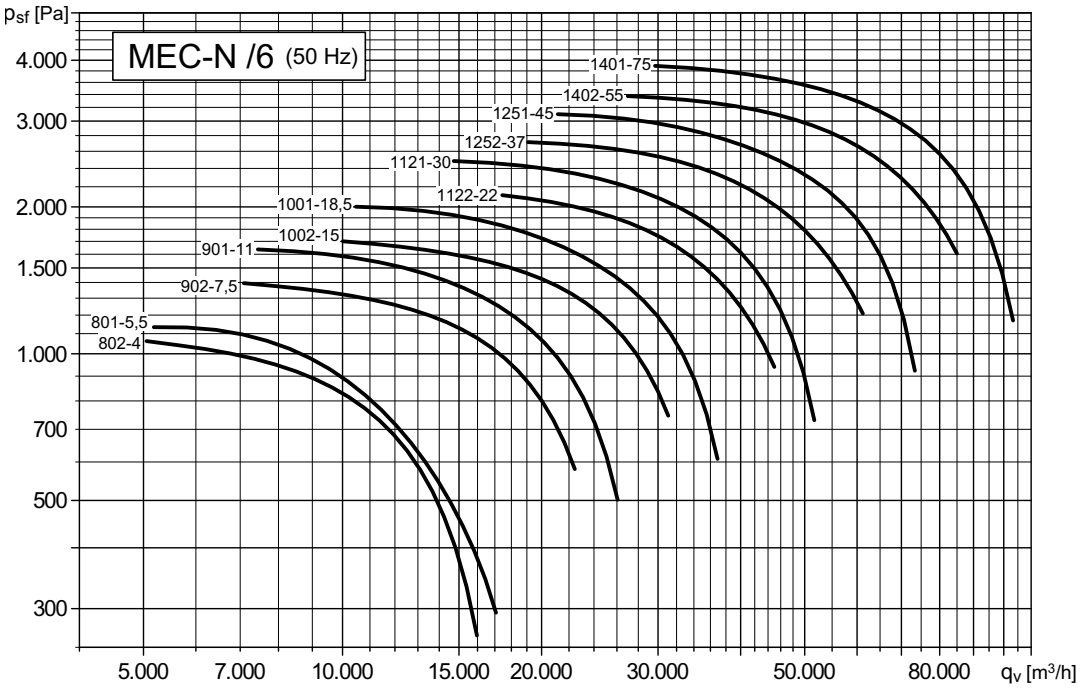

4 polos - Modelos desde 801 hasta 1121



## CURVAS CARACTERÍSTICAS (a la descarga)

- Ventiladores ensayados con la aspiración y la descarga entubadas
- Caudal en m³/h
- **Psf: Presión estática en Pa**
- Modelo - Potencia motor en kW
- Ejemplo: 901 - 11
  Modelo - kW

6 polos - Modelos desde 801 hasta 1401



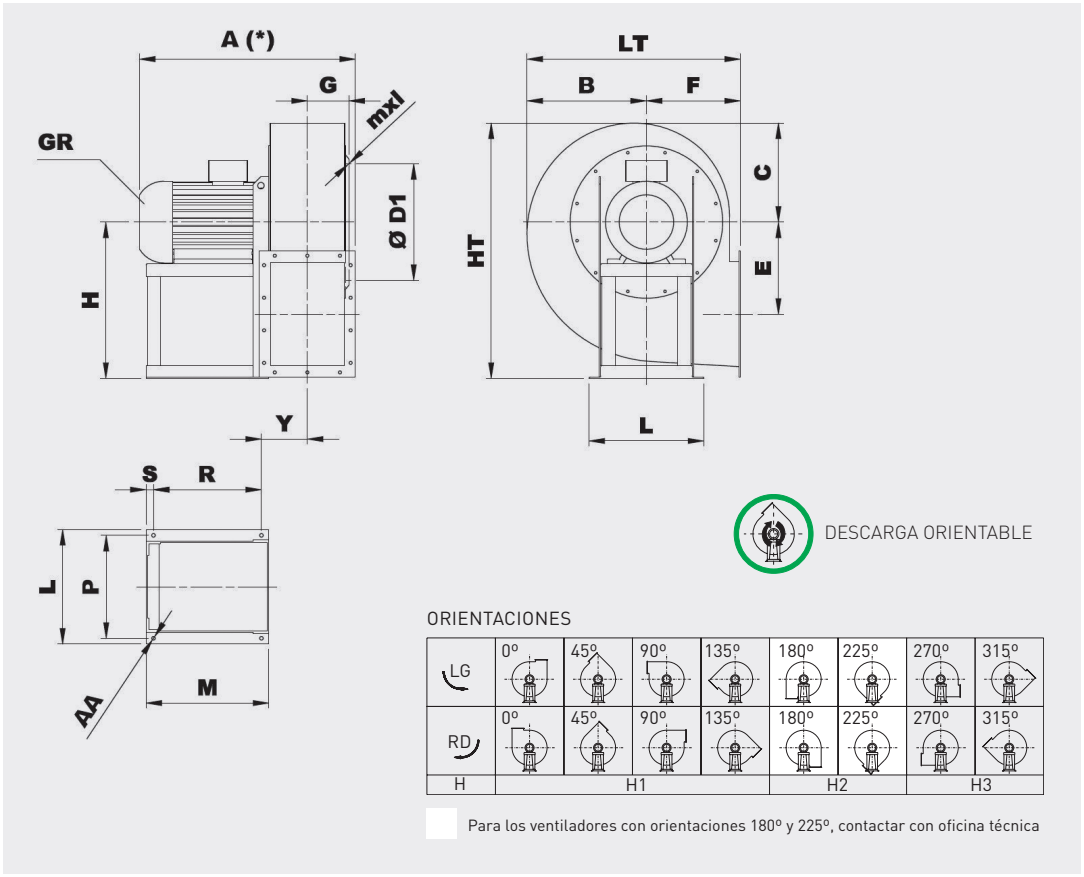
## DATOS ERP

| Modelo | PM | MC | EC | VSD | SR | n [%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MEC 221 N4A | 0,20 | B | total | No | 1 | 47,2 | 64,1 | 0,246 | 642 | 652 | 2750 |
| MEC 252 N4A | 0,25 | B | total | No | 1 | 49,2 | 64,2 | 0,376 | 934 | 713 | 2780 |
| MEC 251 N4A | 0,37 | B | total | No | 1 | 51,5 | 66,4 | 0,384 | 858 | 829 | 2810 |
| MEC 282 N4A | 0,55 | B | total | No | 1 | 52,8 | 65,9 | 0,561 | 1.240 | 860 | 2820 |
| MEC 281 N4A | 0,75 | B | total | No | 1 | 57,0 | 69,6 | 0,627 | 1.277 | 1007 | 2830 |
| MEC 312 N4A | 1,10 | B | total | No | 1 | 58,6 | 69,3 | 0,967 | 1.860 | 1097 | 2840 |
| MEC 311 N4A | 1,50 | B | total | No | 1 | 60,1 | 70,0 | 1,138 | 1.861 | 1323 | 2840 |
| MEC 352 N4A | 1,50 | B | total | No | 1 | 59,6 | 67,4 | 1,810 | 2.638 | 1473 | 2840 |
| MEC 351 N4A | 2,20 | B | total | No | 1 | 61,0 | 68,2 | 2,063 | 2.637 | 1718 | 2850 |
| MEC 402 N4A | 3,00 | B | total | No | 1 | 62,3 | 67,7 | 3,108 | 3.704 | 1883 | 2900 |
| MEC 401 N4A | 4,00 | B | total | No | 1 | 64,1 | 69,0 | 3,472 | 3.775 | 2124 | 2910 |
| MEC 452 N4A | 5,50 | B | total | No | 1 | 64,6 | 67,4 | 5,379 | 5.264 | 2376 | 2890 |
| MEC 451 N4A | 7,50 | B | total | No | 1 | 65,4 | 67,6 | 6,127 | 5.397 | 2673 | 2890 |
| MEC 502 N4A | 11,00 | B | total | No | 1 | 66,0 | 66,4 | 9,238 | 7.499 | 2928 | 2930 |
| MEC 501 N4A | 15,00 | B | total | No | 1 | 67,4 | 67,4 | 10,943 | 7.307 | 3634 | 2935 |
| MEC 562 N4A | 18,50 | B | total | No | 1 | 67,5 | 67,1 | 16,443 | 10.755 | 3717 | 2935 |
| MEC 561 N4A | 22,00 | B | total | No | 1 | 68,1 | 67,4 | 18,747 | 10.395 | 4418 | 2940 |
| MEC 502 N4A | 1,10 | B | total | No | 1 | 61,4 | 71,0 | 1,223 | 3.730 | 724 | 1400 |
| MEC 501 N4A | 1,50 | B | total | No | 1 | 62,7 | 71,7 | 1,396 | 3.592 | 878 | 1400 |
| MEC 562 N4A | 2,20 | B | total | No | 1 | 63,2 | 70,5 | 2,023 | 5.232 | 880 | 1420 |
| MEC 561 N4A | 3,00 | B | total | No | 1 | 64,1 | 70,8 | 2,302 | 5.066 | 1049 | 1430 |
| MEC 632 N4A | 4,00 | B | total | No | 1 | 65,5 | 69,7 | 3,980 | 7.643 | 1228 | 1425 |
| MEC 631 N4A | 5,50 | B | total | No | 1 | 66,8 | 70,8 | 4,151 | 7.443 | 1341 | 1440 |
| MEC 712 N4A | 7,50 | B | total | No | 1 | 66,8 | 68,4 | 7,038 | 10.647 | 1590 | 1450 |
| MEC 711 N4A | 11,00 | B | total | No | 1 | 68,3 | 69,6 | 7,508 | 10.758 | 1716 | 1450 |
| MEC 802 N4A | 15,00 | B | total | No | 1 | 69,3 | 69,1 | 12,721 | 16.025 | 1979 | 1450 |
| MEC 801 N4A | 18,50 | B | total | No | 1 | 69,4 | 69,1 | 13,298 | 14.801 | 2243 | 1460 |
| MEC 902 N4A | 30,00 | B | total | No | 1 | 74,3 | 73,3 | 24,819 | 24.684 | 2688 | 1470 |
| MEC 901 N4A | 37,00 | B | total | No | 1 | 75,6 | 74,5 | 29,552 | 24.663 | 3260 | 1475 |
| MEC 1002 N4A | 45,00 | B | total | No | 1 | 76,1 | 74,6 | 41,178 | 33.751 | 3341 | 1475 |
| MEC 1001 N4A | 55,00 | B | total | No | 1 | 76,8 | 75,2 | 49,066 | 34.495 | 3935 | 1475 |
| MEC 1122 N4A | 75,00 | B | total | No | 1 | 76,7 | 74,6 | 74,429 | 48.004 | 4283 | 1475 |
| MEC 1121 N4A | 90,00 | B | total | No | 1 | 77,4 | 75,1 | 85,958 | 48.925 | 4899 | 1480 |
| MEC 802 N4A | 4,00 | B | total | No | 1 | 65,3 | 69,7 | 3,815 | 10.520 | 853 | 960 |
| MEC 801 N4A | 5,50 | B | total | No | 1 | 67,4 | 71,6 | 3,993 | 9.817 | 987 | 960 |
| MEC 902 N4A | 7,50 | B | total | No | 1 | 71,9 | 73,3 | 7,330 | 16.261 | 1167 | 965 |
| MEC 901 N4A | 11,00 | B | total | No | 1 | 73,2 | 73,9 | 8,719 | 16.248 | 1415 | 965 |
| MEC 1002 N4A | 15,00 | B | total | No | 1 | 74,1 | 73,9 | 12,278 | 22.348 | 1465 | 965 |
| MEC 1001 N4A | 18,50 | B | total | No | 1 | 74,8 | 74,4 | 14,636 | 22.841 | 1725 | 970 |
| MEC 1122 N4A | 22,00 | B | total | No | 1 | 75,5 | 74,7 | 21,695 | 31.841 | 1852 | 970 |
| MEC 1121 N4A | 30,00 | B | total | No | 1 | 76,4 | 75,4 | 25,430 | 32.452 | 2155 | 975 |
| MEC 1252 N4A | 37,00 | B | total | No | 1 | 76,9 | 75,5 | 35,664 | 43.178 | 2286 | 980 |
| MEC 1251 N4A | 45,00 | B | total | No | 1 | 78,2 | 76,6 | 44,124 | 46.277 | 2683 | 980 |
| MEC 1402 N4A | 55,00 | B | total | No | 1 | 78,0 | 76,0 | 63,088 | 62.613 | 2828 | 980 |
| MEC 1401 N4A | 75,00 | B | total | No | 1 | 78,7 | 76,5 | 76,939 | 64.488 | 3379 | 985 |

**PM** Potencia del motor
**MC** Categoría de medición
**EC** Categoría de eficiencia
**VSD** Mando de regulación de velocidad: debe suministrarse con el ventilador
**SR** Relación específica
**η [%]** Eficiencia
**N** Grado de eficiencia
**[kW]** Potencia absorbida
**[m³/h]** Caudal
**[Pa]** Presión total
**[RPM]** Velocidad

## DIMENSIONES (mm)

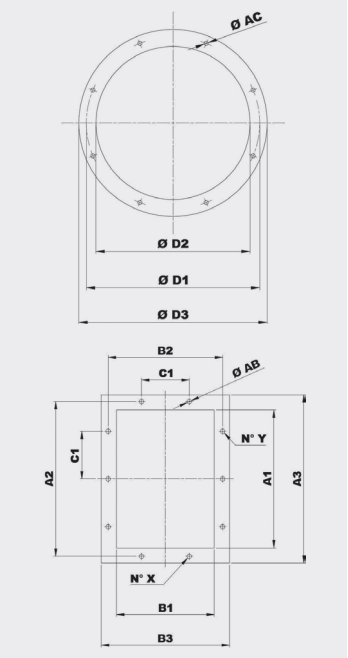
Modelos desde 221 hasta 501




| Modelo | | | | | | | | | | | | | | | Base | | | | | | Ejecución 4B [1] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Motor GR | A* | B | C | ØD1 | E | F | G | H | | | HT | mxl | Y | LT | L | P | M | R | S | ØAA | A | Y | R | M |
| | | | | | | | | | H1 | H2 | H3 | | | | | | | | | | | | | | |
| MEC 221/2 N4A | 63A2 | 340 | 220 | 195 | 165 | 176 | 180 | 63 | 300 | 180 | 300 | 495 | M6x16 | 100 | 400 | 206 | 184 | 184 | 125 | 14 | 10 | 380 | 100 | 125 | 184 |
| MEC 251/2 N4A | 71A2 | 400 | 245 | 210 | 219 | 176 | 195 | 79 | 315 | 195 | 315 | 525 | M6x16 | 121 | 440 | 225 | 203 | 215 | 156 | 14 | 10 | 440 | 121 | 156 | 215 |
| MEC 252/2 N4A | 63B2 | 366 | 245 | 210 | 219 | 176 | 195 | 79 | 315 | 195 | 315 | 525 | M6x16 | 121 | 440 | 206 | 184 | 184 | 125 | 14 | 10 | 420 | 121 | 125 | 184 |
| MEC 281/2 N4A | 80A2 | 440 | 270 | 235 | 241 | 202 | 200 | 88 | 375 | 200 | 375 | 610 | M6x16 | 130 | 470 | 225 | 203 | 225 | 166 | 14 | 10 | 475 | 130 | 166 | 225 |
| MEC 282/2 N4A | 71B2 | 420 | 270 | 235 | 241 | 202 | 200 | 88 | 375 | 200 | 375 | 610 | M6x16 | 130 | 470 | 225 | 203 | 215 | 156 | 14 | 10 | 460 | 130 | 156 | 215 |
| MEC 311/2 N4A | 90S2 | 480 | 300 | 260 | 265 | 230 | 225 | 99 | 400 | 225 | 400 | 660 | M6x16 | 155 | 525 | 260 | 234 | 260 | 183 | 17 | 10 | 508 | 155 | 183 | 260 |
| MEC 312/2 N4A | 80B2 | 460 | 300 | 260 | 265 | 230 | 225 | 99 | 400 | 225 | 400 | 660 | M6x16 | 140 | 525 | 225 | 203 | 225 | 166 | 14 | 10 | 494 | 140 | 166 | 225 |
| MEC 351/2 N4A | 90L2 | 530 | 340 | 295 | 292 | 253 | 255 | 110 | 450 | 255 | 450 | 745 | M8x20 | 166 | 595 | 260 | 234 | 260 | 183 | 17 | 10 | 575 | 166 | 183 | 260 |
| MEC 352/2 N4A | 90S2 | 530 | 340 | 295 | 292 | 253 | 255 | 110 | 450 | 255 | 450 | 745 | M8x20 | 166 | 595 | 260 | 234 | 260 | 183 | 17 | 10 | 575 | 166 | 183 | 260 |
| MEC 401/2 N4A | 112M2 | 630 | 375 | 330 | 332 | 286 | 285 | 122 | 500 | 285 | 500 | 830 | M8x20 | 141 | 660 | 324 | 289 | 310 | 264 | 23 | 12 | 652 | 141 | 264 | 310 |
| MEC 402/2 N4A | 100LA2 | 590 | 375 | 330 | 332 | 286 | 285 | 122 | 500 | 285 | 500 | 830 | M8x20 | 141 | 660 | 324 | 289 | 295 | 249 | 23 | 12 | 635 | 141 | 249 | 295 |
| MEC 451/2 N4A | 132SB2 | 670 | 425 | 370 | 366 | 321 | 320 | 138 | 560 | 320 | 560 | 930 | M8x20 | 155 | 745 | 372 | 337 | 360 | 314 | 23 | 12 | 729 | 155 | 314 | 360 |
| MEC 452/2 N4A | 132SA2 | 670 | 425 | 370 | 366 | 321 | 320 | 138 | 560 | 320 | 560 | 930 | M8x20 | 155 | 745 | 372 | 337 | 360 | 314 | 23 | 12 | 729 | 155 | 314 | 360 |
| MEC 501/2 N4A | 160M2 | 830 | 470 | 410 | 405 | 354 | 360 | 159 | 600 | 360 | 600 | 1010 | M8x20 | 176 | 830 | 440 | 395 | 470 | 414 | 28 | 14 | 866 | 176 | 414 | 470 |
| MEC 501/4 N4A | 90L4 | 615 | 470 | 410 | 405 | 354 | 360 | 159 | 600 | 360 | 600 | 1010 | M8x20 | 208 | 830 | 260 | 234 | 260 | 183 | 17 | 10 | 639 | 208 | 183 | 260 |
| MEC 502/2 N4A | 160MR2 | 830 | 470 | 410 | 405 | 354 | 360 | 159 | 600 | 360 | 600 | 1010 | M8x20 | 176 | 830 | 440 | 395 | 470 | 414 | 28 | 14 | 866 | 176 | 414 | 470 |
| MEC 502/4 N4A | 90S4 | 615 | 470 | 410 | 405 | 354 | 360 | 159 | 600 | 360 | 600 | 1010 | M8x20 | 208 | 830 | 260 | 234 | 260 | 183 | 17 | 10 | 619 | 208 | 183 | 260 |

[1] Con rodete de refrigeración
* Según tamaño motor

## DIMENSIONES (mm)




Brida aspiración

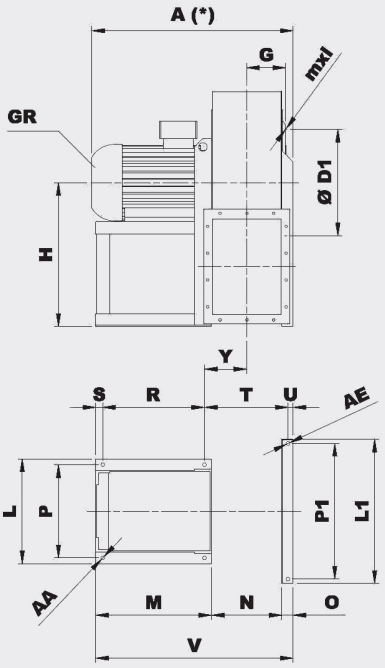
| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 221 | 125 | 165 | 129 | 189 | 8 | 4 |
| 251 | 180 | 219 | 184 | 254 | 8 | 8 |
| 281 | 200 | 241 | 204 | 274 | 8 | 8 |
| 311 | 224 | 265 | 228 | 298 | 8 | 8 |
| 351 | 250 | 292 | 254 | 324 | 10 | 8 |
| 401 | 280 | 332 | 285 | 365 | 10 | 8 |
| 451 | 315 | 366 | 320 | 400 | 10 | 8 |
| 501 | 355 | 405 | 360 | 440 | 10 | 8 |

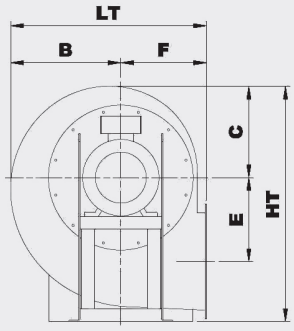
Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 221 | 140x100 | 146 | 105 | 182 | 139 | 216 | 175 | 112 | 12 | 1+1 | 2+2 |
| 251 | 200x140 | 205 | 146 | 241 | 182 | 275 | 216 | 112 | 12 | 2+2 | 2+2 |
| 281 | 224x160 | 229 | 164 | 265 | 200 | 299 | 234 | 112 | 12 | 2+2 | 2+2 |
| 311 | 250x180 | 256 | 183 | 292 | 219 | 326 | 253 | 112 | 12 | 2+2 | 3+3 |
| 351 | 280x200 | 288 | 205 | 332 | 249 | 368 | 285 | 125 | 12 | 2+2 | 3+3 |
| 401 | 315x224 | 322 | 229 | 366 | 273 | 402 | 309 | 125 | 12 | 2+2 | 3+3 |
| 451 | 355x250 | 361 | 256 | 405 | 300 | 441 | 336 | 125 | 12 | 2+2 | 3+3 |
| 501 | 400x280 | 404 | 288 | 448 | 332 | 484 | 368 | 125 | 12 | 3+3 | 4+4 |

## DIMENSIONES (mm)

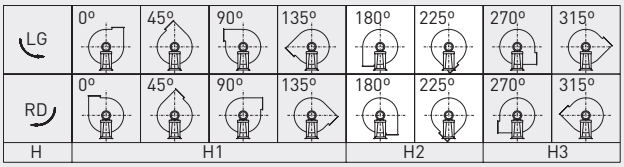
Modelos desde 561 hasta 631




DESCARGA ORIENTABLE

ORIENTACIONES

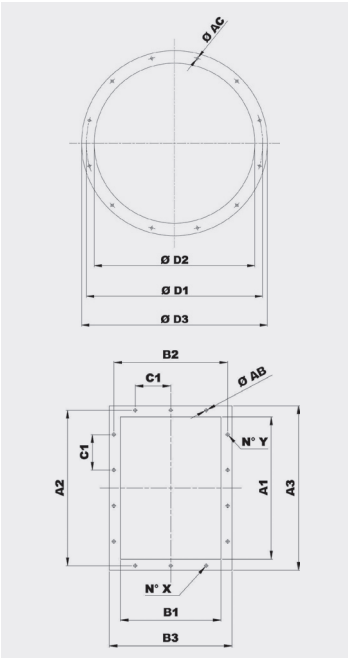



Para los ventiladores con orientaciones 180º y 225º, contactar con oficina técnica

| Modelo | | Base | | | | | | | | | | | | | Ejecución 4B [1] | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Motor GR | A* | B | C | ØD1 | E | F | G | H | | | HT | mxI | Y | LT | L | P | L1 | P1 | M | N | O | R | S | T | U | V | ØAA | ØAE | A | Y | R | M | T | V |
| | | | | | | | | | H1 | H2 | H3 | | | | | | | | | | | | | | | | | | | | | | | | |
| MEC 561/2 N4A | 180M2 | 935 | 550 | 455 | 448 | 391 | 400 | 181 | 670 | 400 | 670 | 1121 | M8x20 | 198 | 950 | 488 | 434 | 672 | 632 | 540 | 329 | 52 | 474 | 33 | 391 | 23 | 921 | 17 | 17 | 990 | 198 | 474 | 540 | 391 | 921 |
| MEC 561/4 N4A | 100LB4 | 705 | 550 | 455 | 448 | 391 | 400 | 181 | 670 | 400 | 670 | 1121 | M8x20 | 188 | 950 | 324 | 289 | 672 | 632 | 295 | 329 | 52 | 249 | 23 | 381 | 23 | 676 | 12 | 17 | 723 | 188 | 249 | 295 | 381 | 676 |
| MEC 562/2 N4A | 160L2 | 880 | 550 | 455 | 448 | 391 | 400 | 181 | 670 | 400 | 670 | 1121 | M8x20 | 193 | 950 | 440 | 395 | 672 | 632 | 470 | 329 | 52 | 414 | 28 | 386 | 23 | 851 | 14 | 17 | 935 | 193 | 414 | 470 | 386 | 851 |
| MEC 562/4 N4A | 100LA4 | 705 | 550 | 455 | 448 | 391 | 400 | 181 | 670 | 400 | 670 | 1121 | M8x20 | 188 | 950 | 324 | 289 | 672 | 632 | 295 | 329 | 52 | 249 | 23 | 381 | 23 | 676 | 12 | 17 | 723 | 188 | 249 | 295 | 381 | 676 |
| MEC 631/4 N4A | 132SA4 | 815 | 615 | 515 | 497 | 441 | 450 | 200 | 750 | 450 | 750 | 1265 | M8x20 | 209 | 1065 | 372 | 337 | 762 | 702 | 360 | 369 | 52 | 314 | 23 | 421 | 23 | 781 | 12 | 17 | 835 | 209 | 314 | 360 | 421 | 781 |
| MEC 632/4 N4A | 112M4 | 775 | 615 | 515 | 497 | 441 | 450 | 200 | 750 | 450 | 750 | 1265 | M8x20 | 209 | 1065 | 324 | 289 | 762 | 702 | 310 | 369 | 52 | 264 | 23 | 421 | 23 | 731 | 12 | 17 | 820 | 209 | 264 | 310 | 421 | 731 |

[1] Con rodete de refrigeración

* Según tamaño motor




Brida aspiración

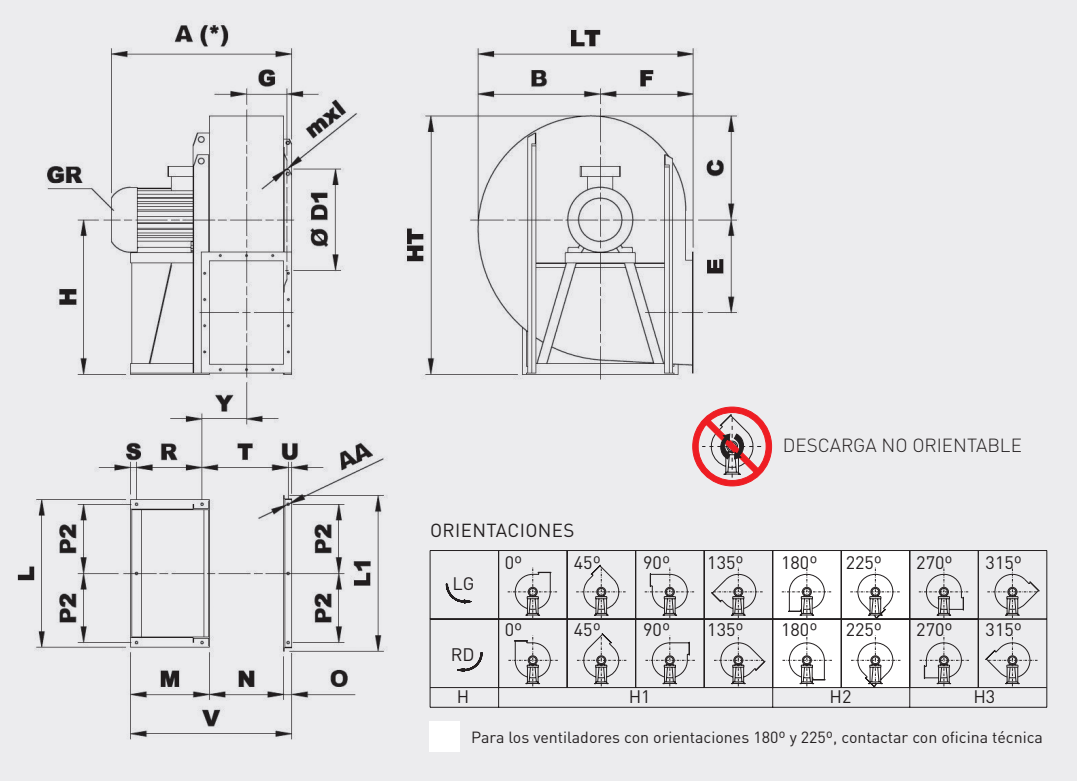
| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 561 | 400 | 448 | 405 | 485 | 10 | 12 |
| 631 | 450 | 497 | 455 | 535 | 10 | 12 |

Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 561 | 450x315 | 453 | 322 | 497 | 366 | 533 | 402 | 125 | 12 | 3+3 | 4+4 |
| 631 | 500x355 | 507 | 361 | 551 | 405 | 587 | 441 | 125 | 12 | 3+3 | 4+4 |

## DIMENSIONES (mm)

Modelos desde 711 hasta 1401



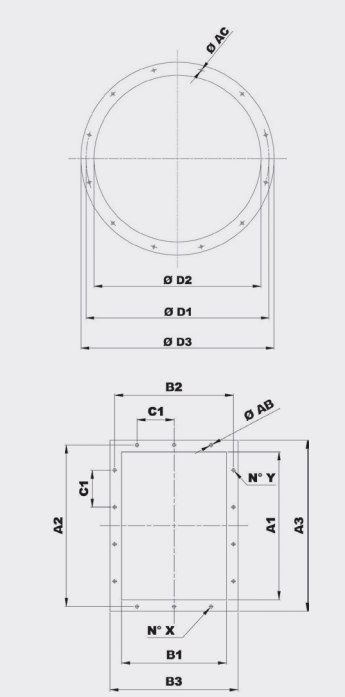

| Modelo | | | | | | | | | | | | | | | Base | | | | | | | | | | | | Ejecución 4B [1] | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Motor GR | A* | B | C | ØD1 | E | F | G | H | | | HT | mxl | Y | LT | L | L1 | M | N | O | P2 | R | S | T | U | V | ØAA | A | Y | R | M | T | V |
| | | | | | | | | | H1 | H2 | H3 | | | | | | | | | | | | | | | | | | | | | | |
| MEC 711/4 N4A | 160M4 | 960 | 690 | 565 | 551 | 500 | 500 | 222 | 670 | 500 | 850 | 1415 | M8x20 | 262 | 1190 | 836 | 896 | 471 | 404 | 60 | 386 | 372 | 39 | 497 | 27 | 935 | 19 | 1015 | 262 | 372 | 471 | 497 | 935 |
| MEC 712/4 N4A | 132MA4 | 838 | 690 | 565 | 551 | 500 | 500 | 222 | 670 | 500 | 850 | 1415 | M8x20 | 262 | 1190 | 836 | 896 | 362 | 404 | 60 | 386 | 263 | 39 | 497 | 27 | 826 | 19 | 935 | 262 | 263 | 362 | 497 | 826 |
| MEC 801/4 N4A | 180M4 | 1050 | 770 | 630 | 629 | 560 | 560 | 251 | 750 | 560 | 950 | 1580 | M8x20 | 287 | 1330 | 926 | 986 | 540 | 453 | 60 | 431 | 441 | 39 | 546 | 27 | 1053 | 19 | 1105 | 287 | 441 | 540 | 546 | 1053 |
| MEC 801/6 N4A | 132MB6 | 940 | 770 | 630 | 629 | 560 | 560 | 251 | 750 | 560 | 950 | 1580 | M8x20 | 287 | 1330 | 926 | 986 | 362 | 453 | 60 | 431 | 263 | 39 | 546 | 27 | 875 | 19 | 995 | 287 | 263 | 362 | 546 | 875 |
| MEC 802/4 N4A | 160L4 | 992 | 770 | 630 | 629 | 560 | 560 | 251 | 750 | 560 | 950 | 1580 | M8x20 | 287 | 1330 | 926 | 986 | 471 | 453 | 60 | 431 | 372 | 39 | 546 | 27 | 984 | 19 | 1065 | 287 | 372 | 471 | 546 | 984 |
| MEC 802/6 N4A | 132MA6 | 940 | 770 | 630 | 629 | 560 | 560 | 251 | 750 | 560 | 950 | 1580 | M8x20 | 287 | 1330 | 926 | 986 | 362 | 453 | 60 | 431 | 263 | 39 | 546 | 27 | 875 | 19 | 995 | 287 | 263 | 362 | 546 | 875 |
| MEC 901/4 N4A | 225S4 | 1260 | 870 | 705 | 698 | 630 | 630 | 278 | 850 | 630 | 1060 | 1765 | M8x20 | 314 | 1490 | 1026 | 1086 | 540 | 507 | 60 | 481 | 441 | 39 | 600 | 27 | 1107 | 19 | 1363 | 314 | 523 | 622 | 600 | 1189 |
| MEC 901/6 N4A | 160L6 | 1070 | 870 | 705 | 698 | 630 | 630 | 278 | 850 | 630 | 1060 | 1765 | M8x20 | 314 | 1490 | 1026 | 1086 | 471 | 507 | 60 | 481 | 372 | 39 | 600 | 27 | 1038 | 19 | 1104 | 314 | 372 | 471 | 600 | 1038 |
| MEC 902/4 N4A | 200L4 | 1230 | 870 | 705 | 698 | 630 | 630 | 278 | 850 | 630 | 1060 | 1765 | M8x20 | 314 | 1490 | 1026 | 1086 | 500 | 507 | 60 | 481 | 401 | 39 | 600 | 27 | 1067 | 19 | 1289 | 314 | 456 | 555 | 600 | 1122 |
| MEC 902/6 N4A | 160M6 | 1070 | 870 | 705 | 698 | 630 | 630 | 278 | 850 | 630 | 1060 | 1765 | M8x20 | 314 | 1490 | 1026 | 1086 | 471 | 507 | 60 | 481 | 372 | 39 | 600 | 27 | 1038 | 19 | 1104 | 314 | 372 | 471 | 600 | 1038 |
| MEC 1001/4 N4A | 250M4 | 1380 | 965 | 795 | 775 | 710 | 710 | 309 | 950 | 710 | 1180 | 1975 | M10x30 | 340 | 1675 | 1128 | 1188 | 600 | 569 | 60 | 528 | 500 | 45 | 657 | 27 | 1229 | 19 | 1509 | 340 | 590 | 690 | 657 | 1319 |
| MEC 1001/6 N4A | 200LR6 | 1300 | 965 | 795 | 775 | 710 | 710 | 309 | 950 | 710 | 1180 | 1975 | M10x30 | 340 | 1675 | 1128 | 1188 | 500 | 569 | 60 | 528 | 400 | 45 | 657 | 27 | 1129 | 19 | 1348 | 340 | 455 | 555 | 657 | 1184 |
| MEC 1002/4 N4A | 225M4 | 1320 | 965 | 795 | 775 | 710 | 710 | 309 | 950 | 710 | 1180 | 1975 | M10x30 | 340 | 1675 | 1128 | 1188 | 540 | 569 | 60 | 528 | 440 | 45 | 657 | 27 | 1169 | 19 | 1423 | 340 | 520 | 620 | 657 | 1249 |
| MEC 1002/6 N4A | 180L6 | 1230 | 965 | 795 | 775 | 710 | 710 | 309 | 950 | 710 | 1180 | 1975 | M10x30 | 345 | 1675 | 1128 | 1188 | 541 | 569 | 60 | 528 | 441 | 45 | 657 | 27 | 1170 | 19 | – | – | – | – | – | – |
| MEC 1121/4 N4A | 280M4 | 1620 | 1085 | 895 | 861 | 800 | 800 | 349 | 1060 | 800 | 1320 | 2215 | M10x30 | 400 | 1885 | 1268 | 1348 | 690 | 638 | 80 | 589 | 565 | 45 | 763 | 35 | 1408 | 24 | 1653 | 400 | 635 | 760 | 763 | 1478 |
| MEC 1121/6 N4A | 225M6 | 1460 | 1085 | 895 | 861 | 800 | 800 | 349 | 1060 | 800 | 1320 | 2215 | M10x30 | 400 | 1885 | 1268 | 1348 | 540 | 638 | 80 | 589 | 415 | 45 | 763 | 35 | 1258 | 24 | 1478 | 400 | 483 | 608 | 763 | 1326 |
| MEC 1122/4 N4A | 280S4 | 1583 | 1085 | 895 | 861 | 800 | 800 | 349 | 1060 | 800 | 1320 | 2215 | M10x30 | 400 | 1885 | 1268 | 1348 | 690 | 638 | 80 | 589 | 565 | 45 | 763 | 35 | 1408 | 24 | 1653 | 400 | 635 | 760 | 763 | 1478 |
| MEC 1122/6 N4A | 200L6 | 1400 | 1085 | 895 | 861 | 800 | 800 | 349 | 1060 | 800 | 1320 | 2215 | M10x30 | 400 | 1885 | 1268 | 1348 | 500 | 638 | 80 | 589 | 375 | 45 | 763 | 35 | 1218 | 24 | 1457 | 400 | 447 | 572 | 763 | 1290 |
| MEC 1251/6 N4A | 280S6 | 1700 | 1215 | 1005 | 958 | 900 | 900 | 387 | 1180 | 900 | 1500 | 2505 | M10x30 | 440 | 2115 | 1400 | 1480 | 690 | 715 | 80 | 655 | 565 | 45 | 840 | 35 | 1485 | 24 | 1720 | 438 | 625 | 750 | 840 | 1545 |
| MEC 1252/6 N4A | 250M6 | 1550 | 1215 | 1005 | 958 | 900 | 900 | 387 | 1180 | 900 | 1500 | 2505 | M10x30 | 440 | 2115 | 1400 | 1480 | 602 | 715 | 80 | 655 | 475 | 45 | 842 | 35 | 1397 | 24 | – | – | – | – | – | – |
| MEC 1401/6 N4A | 315S6 | 1800 | 1345 | 1115 | 1067 | 1000 | 1000 | 440 | 1320 | 1000 | 1700 | 2815 | M10x30 | 500 | 2345 | 1560 | 1640 | 800 | 801 | 80 | 725 | 645 | 55 | 946 | 35 | 1681 | 24 | 1927 | 500 | 721 | 876 | 946 | 1757 |
| MEC 1402/6 N4A | 280M6 | 1790 | 1345 | 1115 | 1067 | 1000 | 1000 | 440 | 1320 | 1000 | 1700 | 2815 | M10x30 | 500 | 2345 | 1560 | 1640 | 690 | 801 | 80 | 725 | 535 | 55 | 946 | 35 | 1571 | 24 | 1822 | 500 | 611 | 766 | 946 | 1647 |

[1] Con rodete de refrigeración

* Según tamaño motor

## DIMENSIONES (mm)

Modelos desde 711 hasta 1401




Brida aspiración

| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 711 | 500 | 551 | 505 | 585 | 10 | 12 |
| 801 | 560 | 629 | 566 | 666 | 10 | 12 |
| 901 | 630 | 698 | 636 | 736 | 10 | 12 |
| 1001 | 710 | 775 | 716 | 816 | 12 | 16 |
| 1121 | 800 | 861 | 806 | 906 | 12 | 16 |
| 1251 | 900 | 958 | 906 | 1006 | 12 | 16 |
| 1401 | 1000 | 1067 | 1007 | 1107 | 12 | 24 |

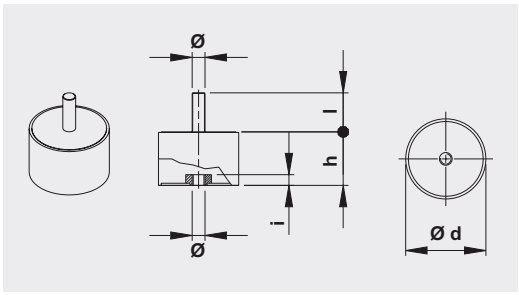
Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 711 | 560x400 | 569 | 404 | 629 | 464 | 669 | 504 | 160 | 14 | 3+3 | 4+4 |
| 801 | 630x450 | 638 | 453 | 698 | 513 | 738 | 553 | 160 | 14 | 3+3 | 4+4 |
| 901 | 710x500 | 715 | 507 | 775 | 567 | 815 | 607 | 160 | 14 | 3+3 | 5+5 |
| 1001 | 800x560 | 801 | 569 | 871 | 639 | 921 | 689 | 200 | 14 | 3+3 | 4+4 |
| 1121 | 900x630 | 898 | 638 | 968 | 708 | 1018 | 758 | 200 | 14 | 4+4 | 5+5 |
| 1251 | 1000x710 | 1007 | 715 | 1077 | 785 | 1127 | 835 | 200 | 14 | 4+4 | 5+5 |
| 1401 | 1120x800 | 1130 | 801 | 1210 | 881 | 1270 | 941 | 200 | 18 | 4+4 | 6+6 |

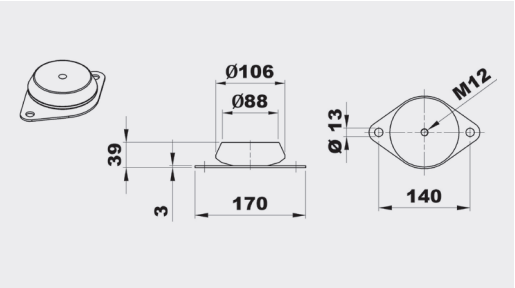
## AMORTIGUADORES

Amortiguadores recomendados

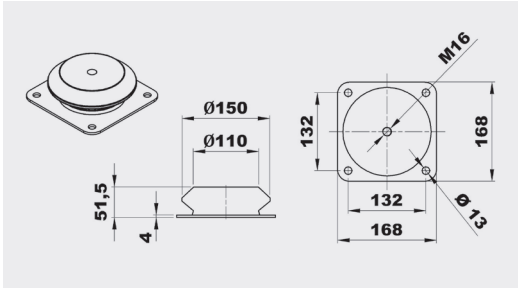
| Ventilador | Ejecución 4 |
|---|---|
| 221 | 4 x AM 20 - 20x20 |
| 251/2 | 4 x AM 20 - 20x20 |
| 281/2 | 4 x AM 20 - 20x20 |
| 311/2 | 4 x AM 25 - 25x20 |
| 351/2 | 4 x AM 25 - 25x20 |
| 401/2 | 4 x AM 30 - 30x30 |
| 451/2 | 4 x AM 30 - 30x30 |
| 501/2 | 4 x AM 40 - 40x30 |
| 561/2 | 4 x AM 50 - 50x40 |
| 631/2 | 4 x AM 40 - 40x30 |
| 711/2 | 4 x AM 50 - 50x40 |
| 801/2 | 4 x AM 75 -75x50 |
| 901/2 | 4 x AM 75 - 75x50 |
| 1001/2 | 6 x AM 75 - 75x50 |
| 1121/2 | 6 x AZ 39 - 140x39 |
| 1251/2 | 6 x AZ 39 - 140x39 |
| 1401/2 | 6 x AZ 51 - 132x51 |




| Tipo | Carga para 4 soportes (kg) | d | h | Ø | l | Peso (kg) |
|---|---|---|---|---|---|---|
| AM 20 | 11÷40 | 20 | 20 | M6 | 15 | 0,02 |
| AM 25 | 41÷80 | 25 | 20 | M6 | 18 | 0,03 |
| AM 30 | 81÷140 | 30 | 30 | M8 | 20 | 0,05 |
| AM 40 | 141÷224 | 40 | 30 | M8 | 23 | 0,10 |
| AM 50 | 225÷315 | 50 | 40 | M10 | 28 | 0,20 |
| AM 75 | 316÷630 | 75 | 50 | M12 | 37 | 0,50 |

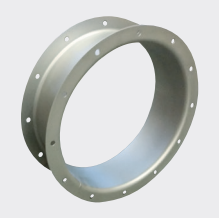



| Tipo | Carga para 4 soportes (kg) | Peso (kg) |
|---|---|---|
| AZ 39 | 631÷1250 | 0,7 |

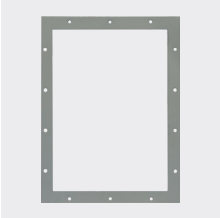



| Tipo | Carga para 4 soportes (kg) | Peso (kg) |
|---|---|---|
| AZ 51 | 1251÷2500 | 1,8 |

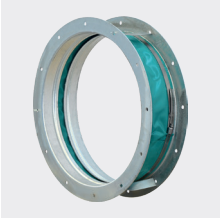
## ACCESORIOS



**CA (CFH1) - CFH2 - CFH3**
Contrabrida - Brida plana circular.



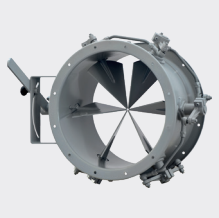
**CP**
Brida plana rectangular.



**GA**
Junta flexible aspiración.



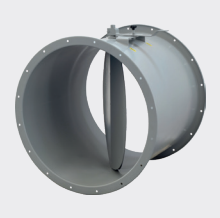
**GP**
Junta flexible descarga.



**DP**
Regulador de caudal de aspiración.



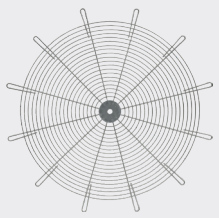
**SAD**
Compuerta de regulación de caudal de descarga.



**SF**
Vávula mariposa.



**DF**
Filtro en la aspiración.



**RC**
Rejilla de protección para la aspiración.



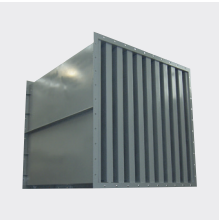
**AM/AZ**
Soportes antivibratorios.



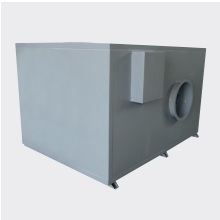
**SCSO**
Silenciador cilíndrico.



**SCCO**
Silenciador cilíndrico con bulbo.



**SASS**
Silenciador rectangular.



**CI**
Cabina de insonorización.

Ver información completa en página **772**.

# MEC

## VENTILADORES CENTRÍFUGOS DE BAJA PRESIÓN

*TRANSMISIÓN*

ErP OK

Ventilador centrífugo con accionamiento por poleas y correas y simple aspiración. Fabricados en chapa de acero protegida contra la corrosión mediante tratamiento por cataforesis + pintura poliuretana. Temperaturas del aire a transportar -20ºC/+100ºC en continuo.



APLICACIONES

**Aire a transportar**
Polvoriento
(ambiente industrial)

**Cantidad de polvo (mg/m³)**
<500



Rodete de álabes curvados hacia atrás

### Sistemas de montaje

- SISTEMA 1: eje libre, para acoplamiento mediante poleas y correas.
- SISTEMA 9: incluye motor, poleas, correas y protector de correas. Motor montado en el lateral del pie soporte rodamientos.
- SISTEMA 12: incluye motor, poleas, correas y protector de correas. Motor montado sobre la bancada general.

### Motores

De 2, 4 o 6 polos, de alta eficiencia IE 3* (las r.p.m. de cada motor se adaptarán al cálculo de cada transmisión), tensión de alimentación trifásica 230/400V 50Hz tamaño motor 112 y 400/690V 50Hz para motores de mayor dimensión. Protección IP55, Clase F.

* Entre 75 y 200kW, los motores suministrados serán IE4.

### Bajo pedido

- Fabricación en diferentes materiales constructivos.
- Motores de 2 velocidades.
- Versiones de 60 Hz.
- Pintura en diferentes RAL.
- Versión para alta temperatura: hasta 300ºC (versiones B: con rodete de refrigeración).
- Trampilla de inspección, purga de drenaje, distintos tipos de estanqueidad a nivel
- de voluta y de paso de eje.
- Ventiladores estancos.
- Calorifugado.

### Versiones ATEX

Bajo pedido, versiones antiexplosivas según la Directiva ATEX para modelos trifásicos: Para trabajar a temperaturas de -20ºC a +60ºC, presión ambiente (absoluta) de 0,8 bar hasta 1,1 bar, según EN 14986.

- Gas:
  - Ex 2G IIB T2-T3
  - Ex 2G IIB+H2 T2-T3
  - Ex 3G IIB T2-T3
  - Ex 3G IIB+H2 T2-T3
- Polvo no conductivo:
  - Ex 2D IIIB T195°C-T295°C
  - Ex 3D IIIB T195°C-T295°C
- Polvo conductivo (con motor IP65 IIIC):
  - Ex 2D IIIC T195°C-T295°C
  - Ex 3D IIIC T195°C-T295°C

## CARACTERÍSTICAS TÉCNICAS

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación.

| Modelo | Caudal máximo ($m^3/h$) | Potencia motor máxima (kW) | Peso (kg)[1] | Momento de inercia ($kg \cdot m^2$)[2] |
|---|---|---|---|---|
| MEC 251 N1A | 3.080 | 4,0 | 24 | 0,03 |
| MEC 281 N1A | 3.830 | 4,0 | 34 | 0,04 |
| MEC 311 N1A | 4.800 | 5,5 | 41 | 0,05 |
| MEC 351 N1A | 6.160 | 7,5 | 69 | 0,13 |
| MEC 401 N1A | 8.520 | 7,5 | 83 | 0,20 |
| MEC 451 N1A | 10.710 | 11,0 | 98 | 0,35 |
| MEC 501 N1A | 13.690 | 15,0 | 140 | 0,70 |
| MEC 561 N1A | 17.280 | 18,5 | 170 | 1,00 |
| MEC 631 N1A | 22.320 | 22,0 | 210 | 1,60 |
| MEC 711 N1A | 26.210 | 22,0 | 282 | 3,00 |
| MEC 801 N1A | 35.550 | 30,0 | 336 | 4,80 |
| MEC 901 N1A | 48.600 | 45,0 | 405 | 8,50 |
| MEC 1001 N1A | 60.890 | 75,0 | 521 | 13,30 |
| MEC 1121 N1A | 74.250 | 75,0 | 848 | 29,50 |
| MEC 1251 N1A | 93.600 | 90,0 | 1072 | 47,50 |
| MEC 1401 N1A | 117.430 | 110,0 | 1498 | 78,80 |
| MEC 1601 N1A | 147.600 | 132,0 | 1940 | 132,50 |
| MEC 1801 N1A | 184.820 | 160,0 | 2792 | 225,00 |
| MEC 2001 N1A | 235.270 | 200,0 | 3426 | 350,00 |

[1] Para ejecución 1 y orientación LG270 o RD270
[2] Momento de inercia del rodete

SOPORTES SISTEMA 1

| Modelo | 251 | 281-311 | 351 | 401-451 | 501 | 561 | 631 |
|---|---|---|---|---|---|---|---|
| Soporte tipo | ST 47 AL19 | ST 62 AL24 | ST 80 AL28 | ST 90 AL38 | ST 100 AL42 | ST 110 AL48 | ST 110 AL48 |

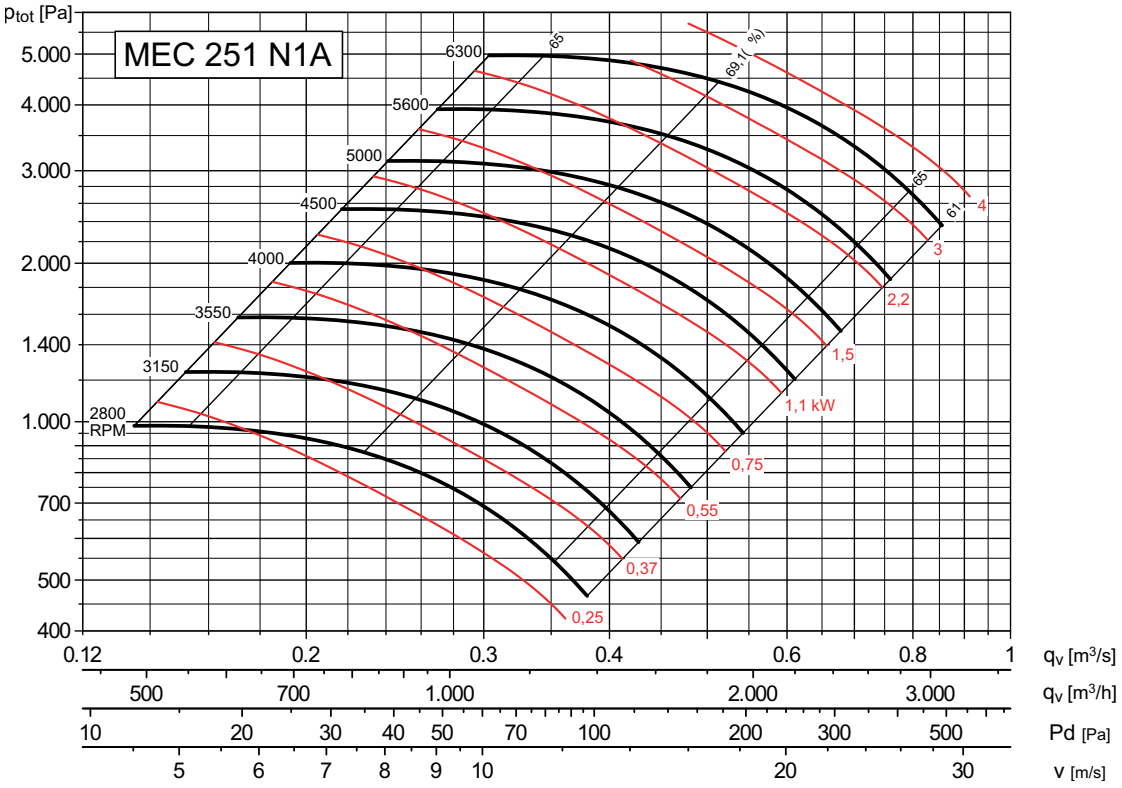
| Modelo | 711 | 801-901 | 1001 | 1121-1251 | 1401 | 1601 | 1801-2001 |
|---|---|---|---|---|---|---|---|
| Soporte tipo | ST 120 BL48 | ST 130 BL55 | SN 516 B/BL 65 | SN 518 B/BL 75 | SN 520 B/BL 80 | SN 522 B/BL 90 | SN 524 B/BL 100 |

MOTORES SISTEMA 9

| Modelo | 251 | 281-311 | 351-451 | 501-631 | 711-901 | 1001-2001 |
|---|---|---|---|---|---|---|
| Tamaño motor | ⩽ 90 L2 | ⩽ 112 M2 | ⩽ 132 MB2 | ⩽ 160 L2-4 | ⩽ 180 L4 | ⩽ 200 L4-6 |

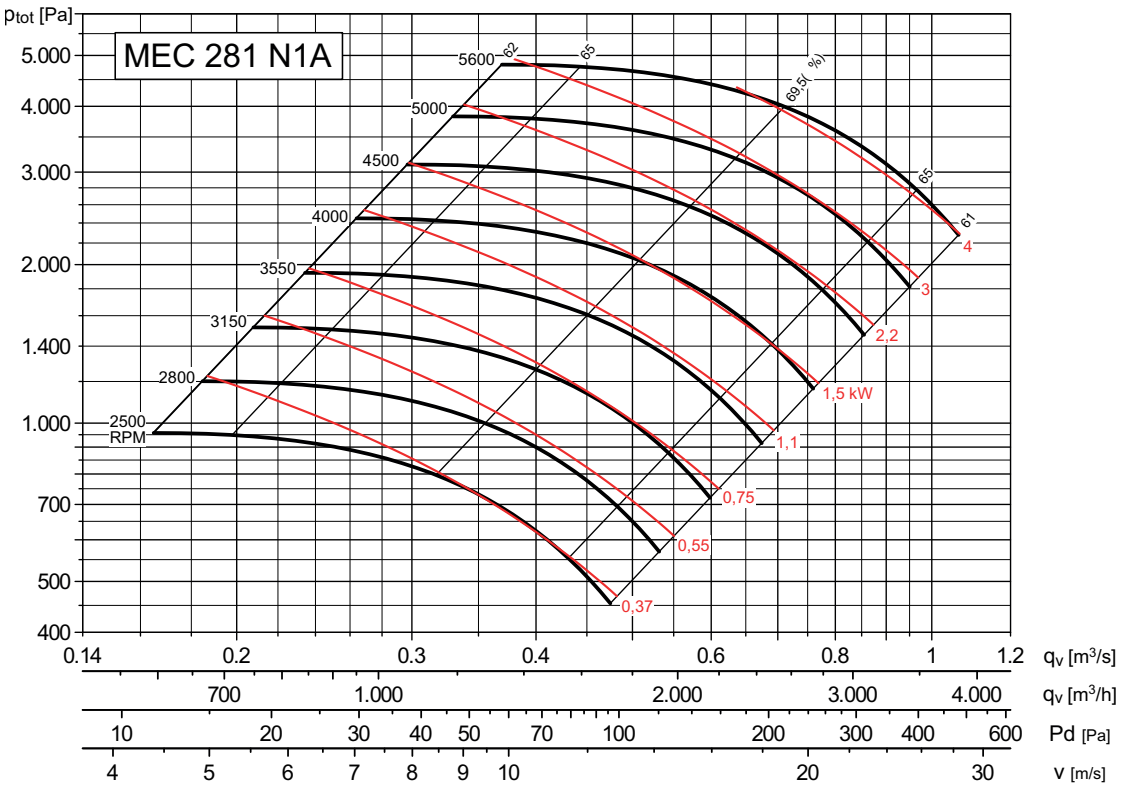
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

⩽ 100°C = 5600 rpm
101 ÷ 220°C = 5000 rpm
201 ÷ 300°C = 4500 rpm

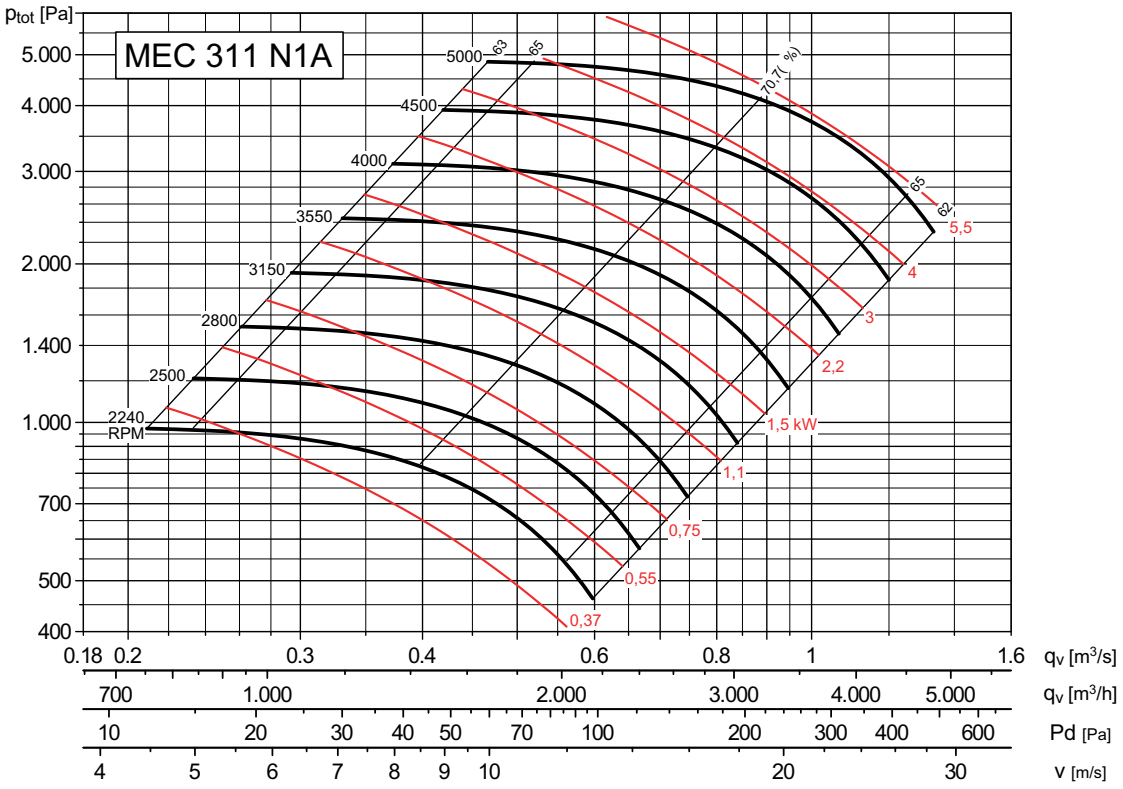



MAX. RPM

⩽ 100°C = 5000 rpm
101 ÷ 220°C = 4500 rpm
201 ÷ 300°C = 4000 rpm

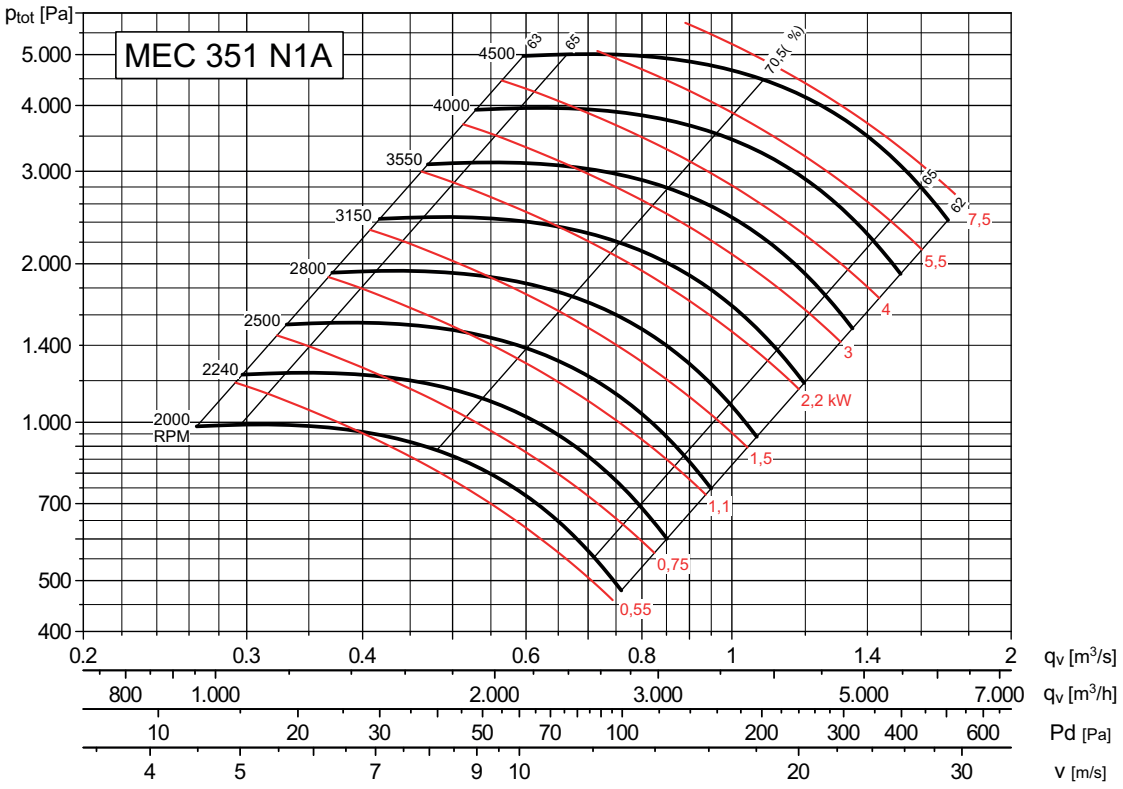
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

⩽ 100°C = 4500 rpm
101 ÷ 220°C = 4000 rpm
201 ÷ 300°C = 3550 rpm

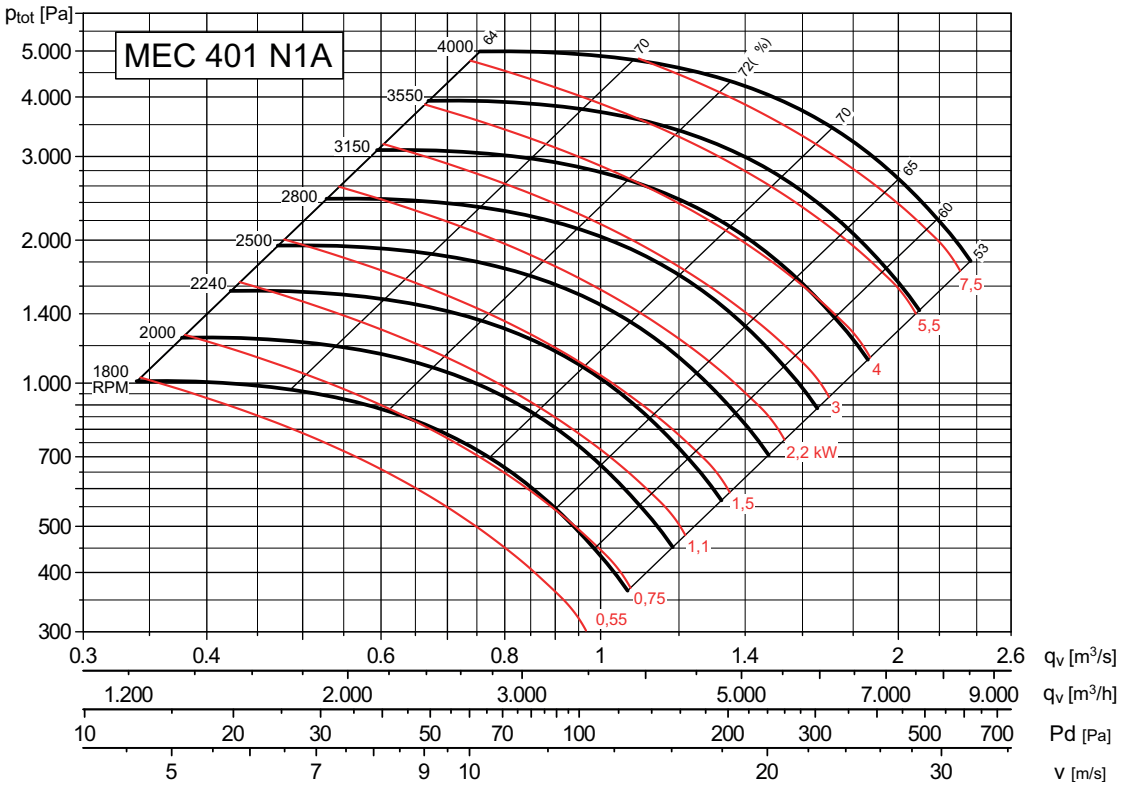



MAX. RPM

⩽ 100°C = 4000 rpm
101 ÷ 220°C = 3550 rpm
201 ÷ 300°C = 3150 rpm

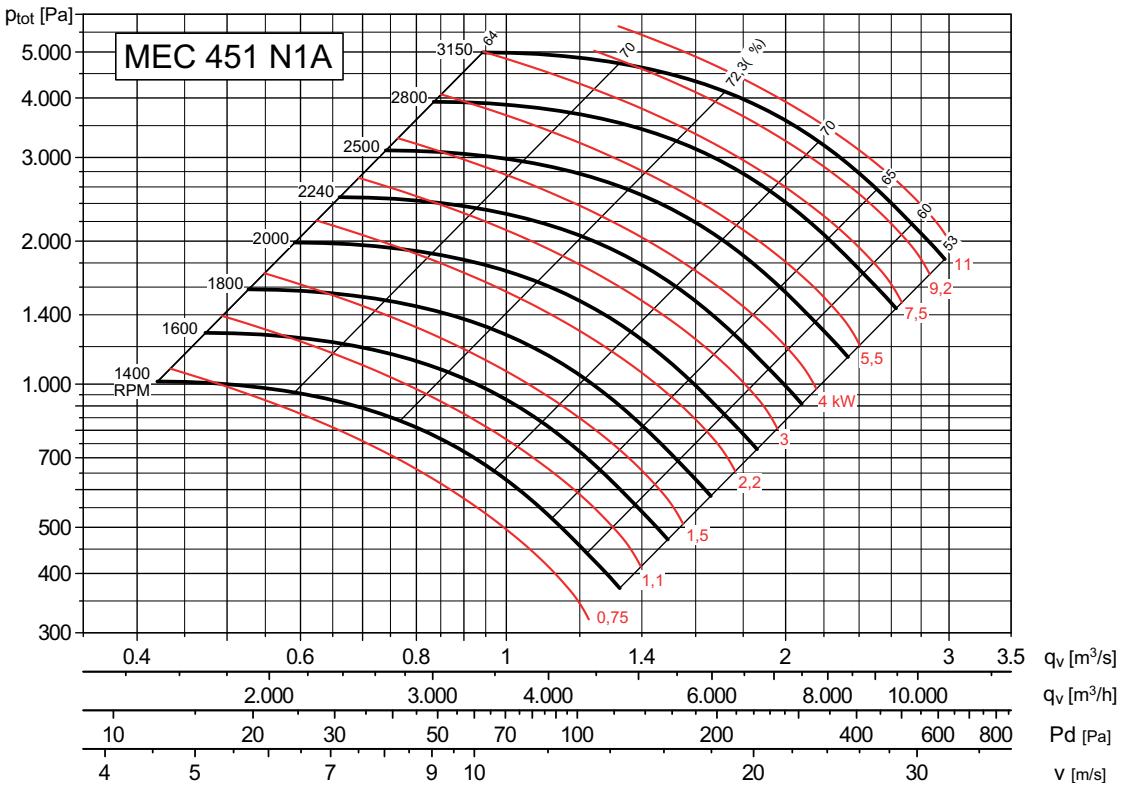
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

⩽ 100°C = 3550 rpm
101 ÷ 220°C = 3150 rpm
201 ÷ 300°C = 2800 rpm

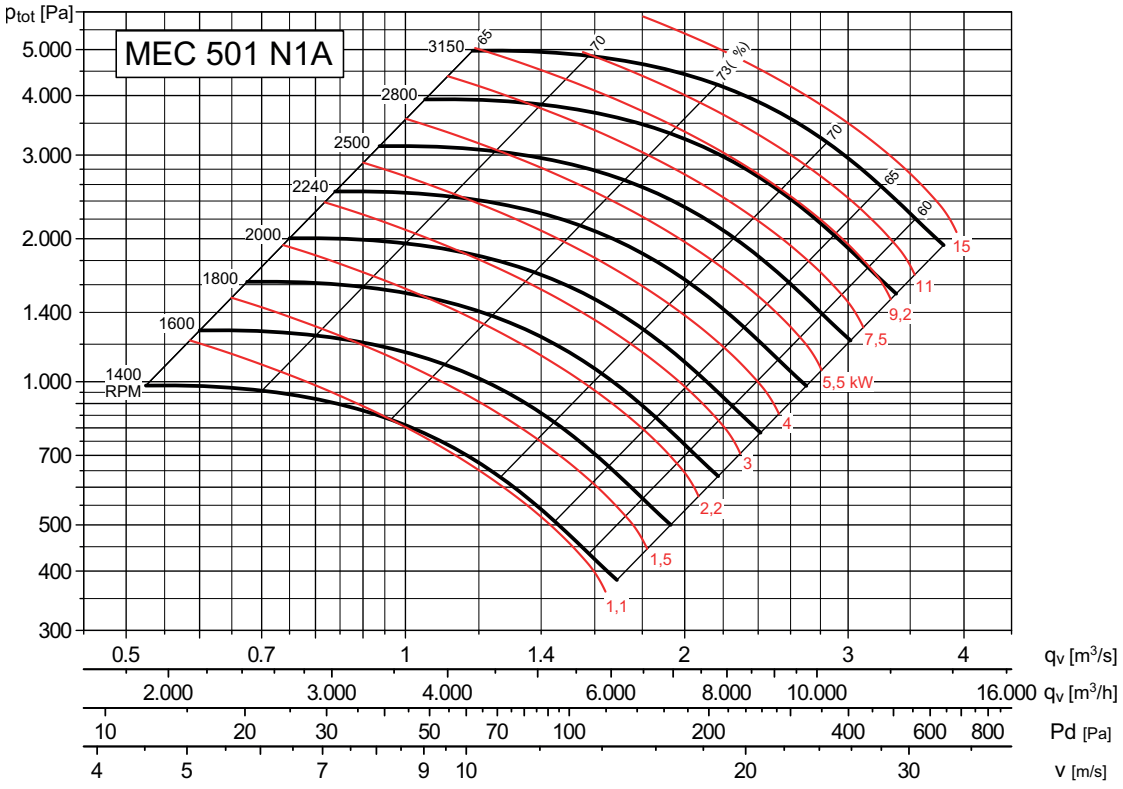



MAX. RPM

⩽ 100°C = 3150 rpm
101 ÷ 220°C = 2800 rpm
201 ÷ 300°C = 2500 rpm

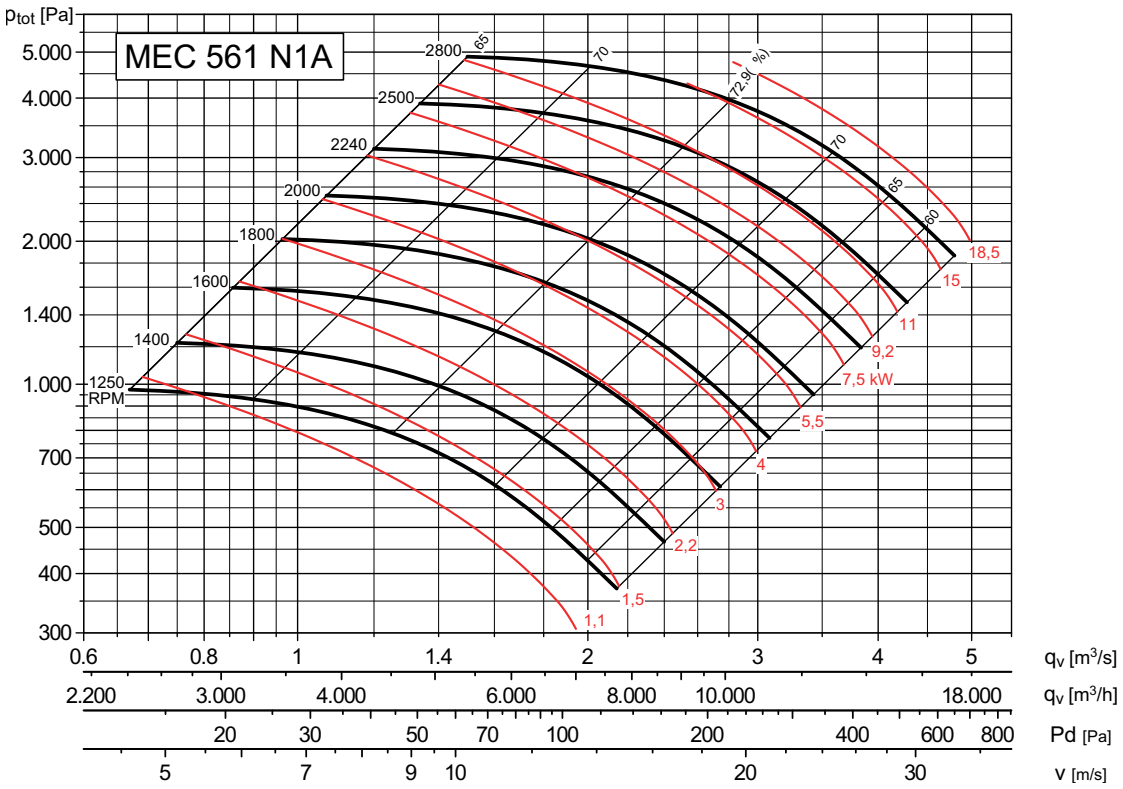
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

⩽ 100°C = 2800 rpm
101 ÷ 220°C = 2500 rpm
201 ÷ 300°C = 2250 rpm

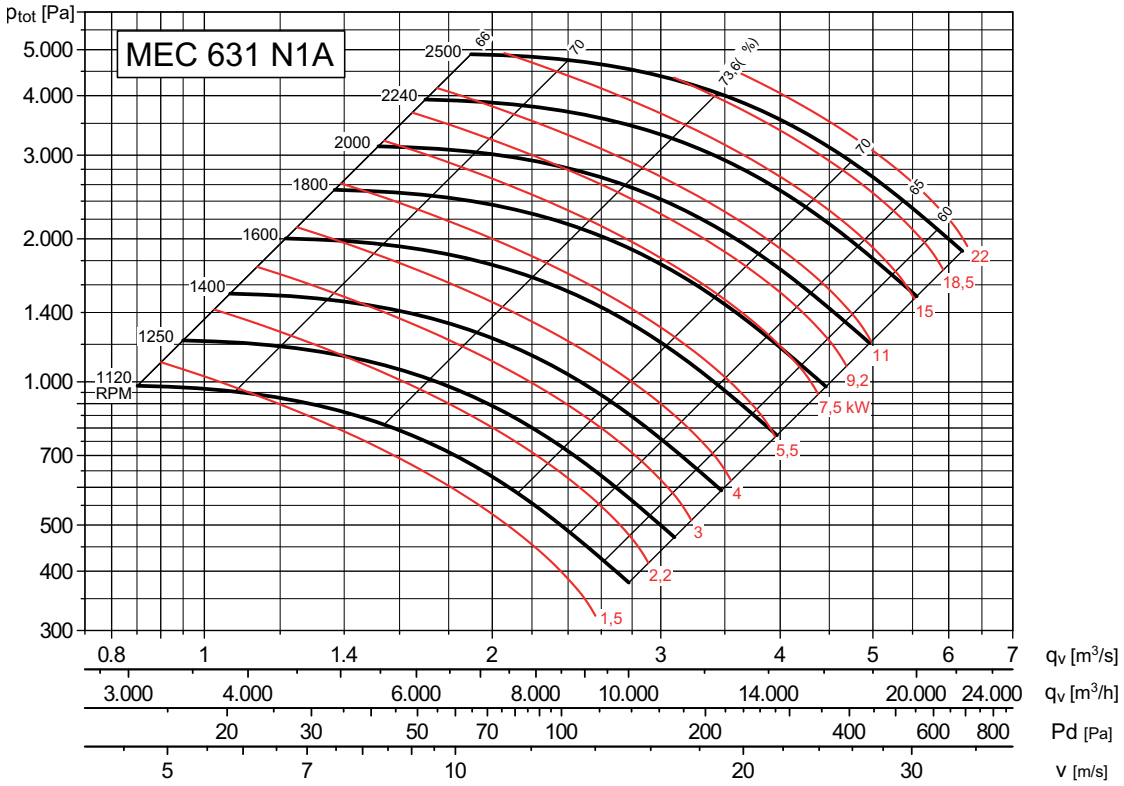



MAX. RPM

⩽ 100°C = 2500 rpm
101 ÷ 220°C = 2250 rpm
201 ÷ 300°C = 2000 rpm

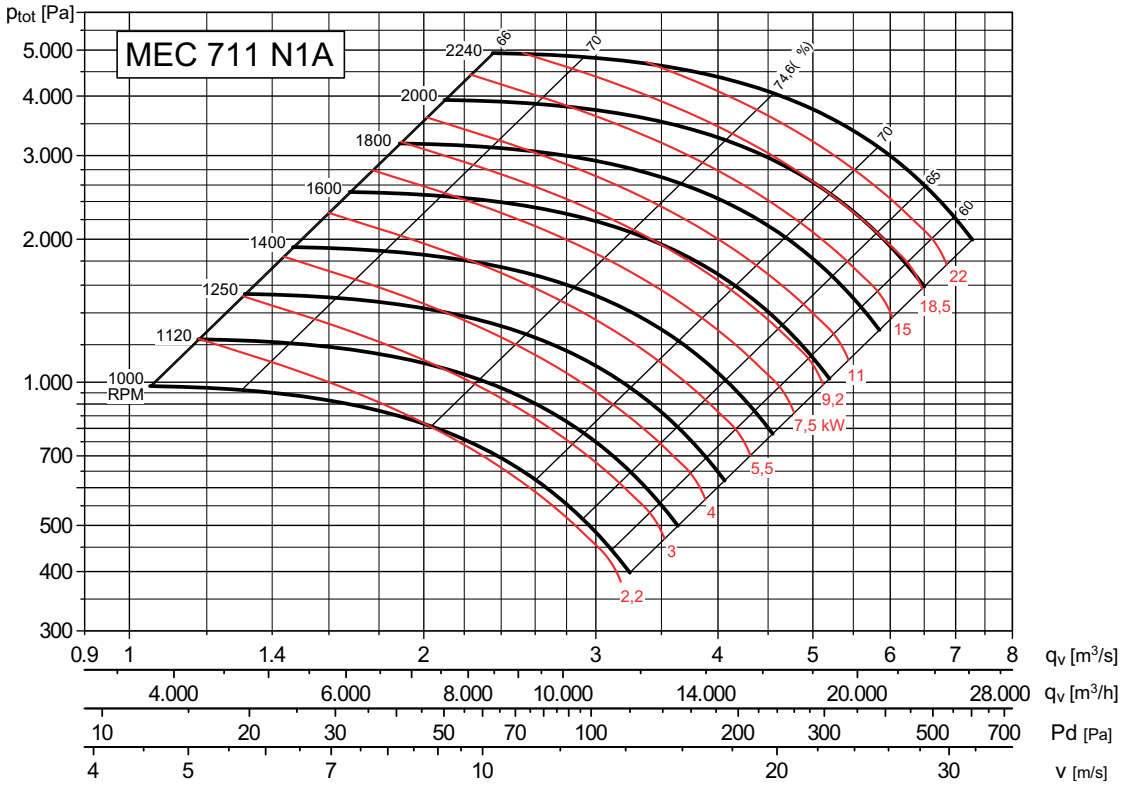
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

⩽ 100°C = 2250 rpm
101 ÷ 220°C = 2000 rpm
201 ÷ 300°C = 1800 rpm

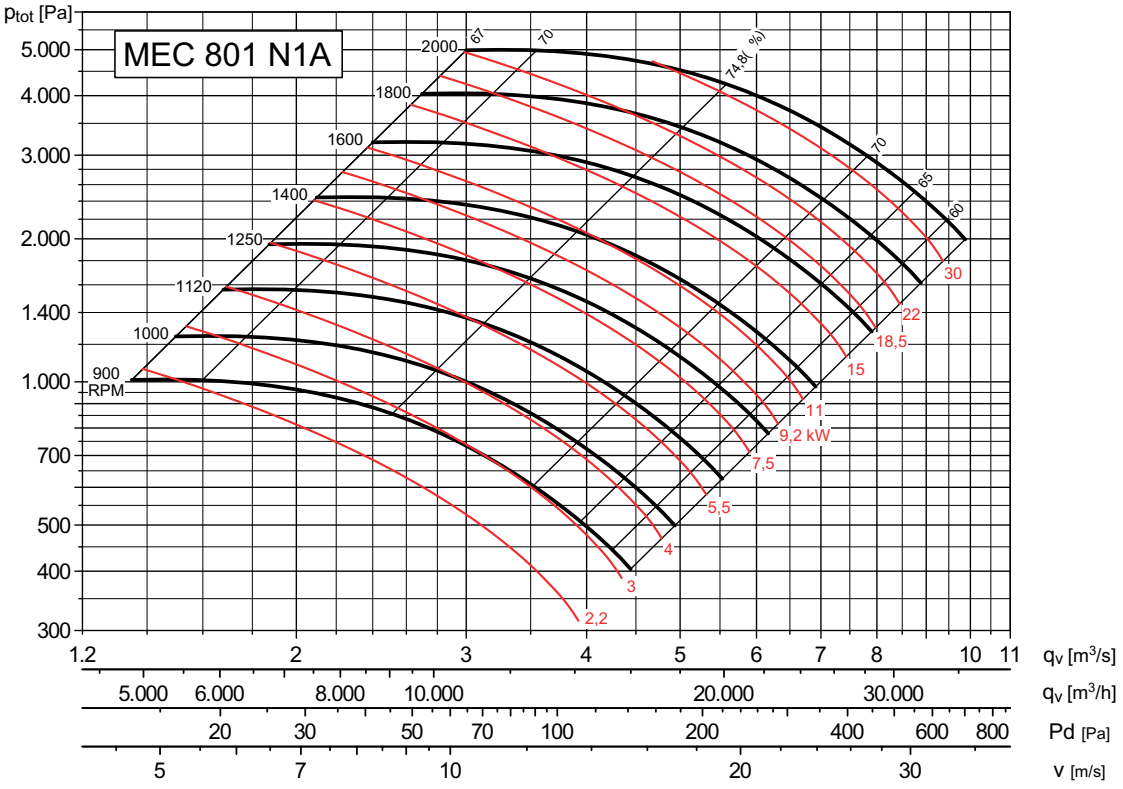



MAX. RPM

⩽ 100°C = 2000 rpm
101 ÷ 220°C = 1800 rpm
201 ÷ 300°C = 1600 rpm

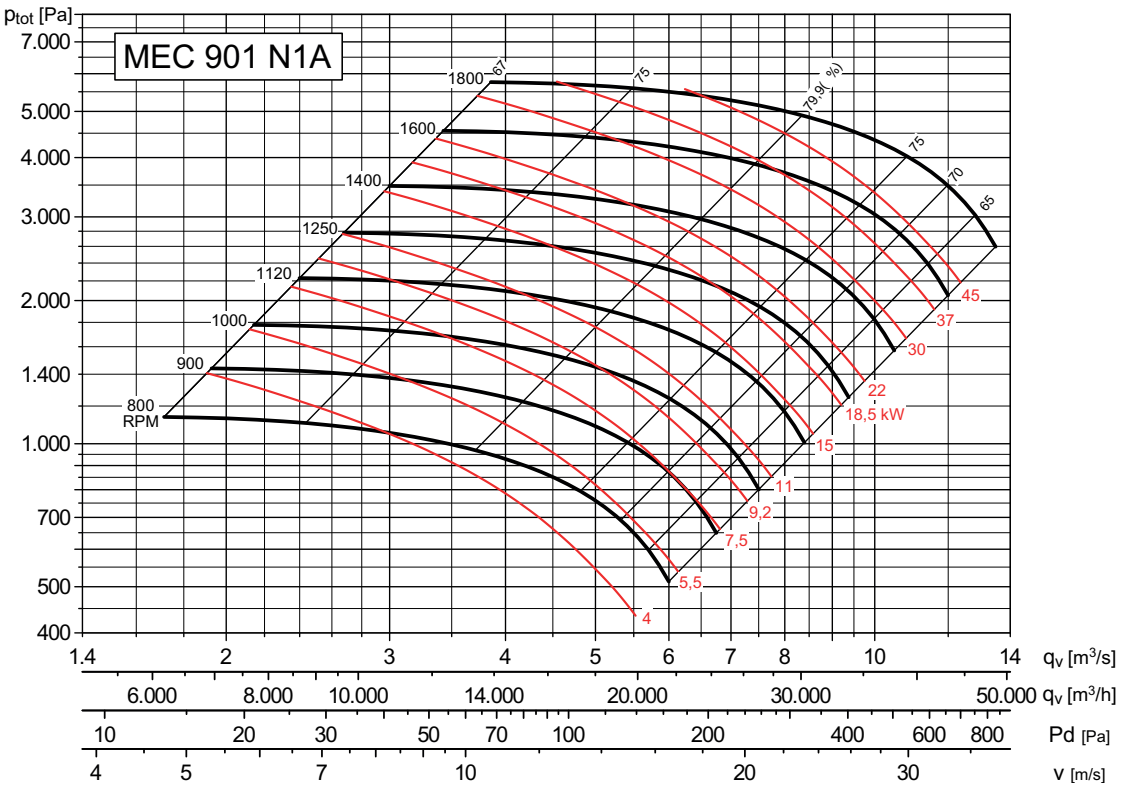
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

⩽ 100°C = 1800 rpm
101 ÷ 220°C = 1600 rpm
201 ÷ 300°C = 1400 rpm

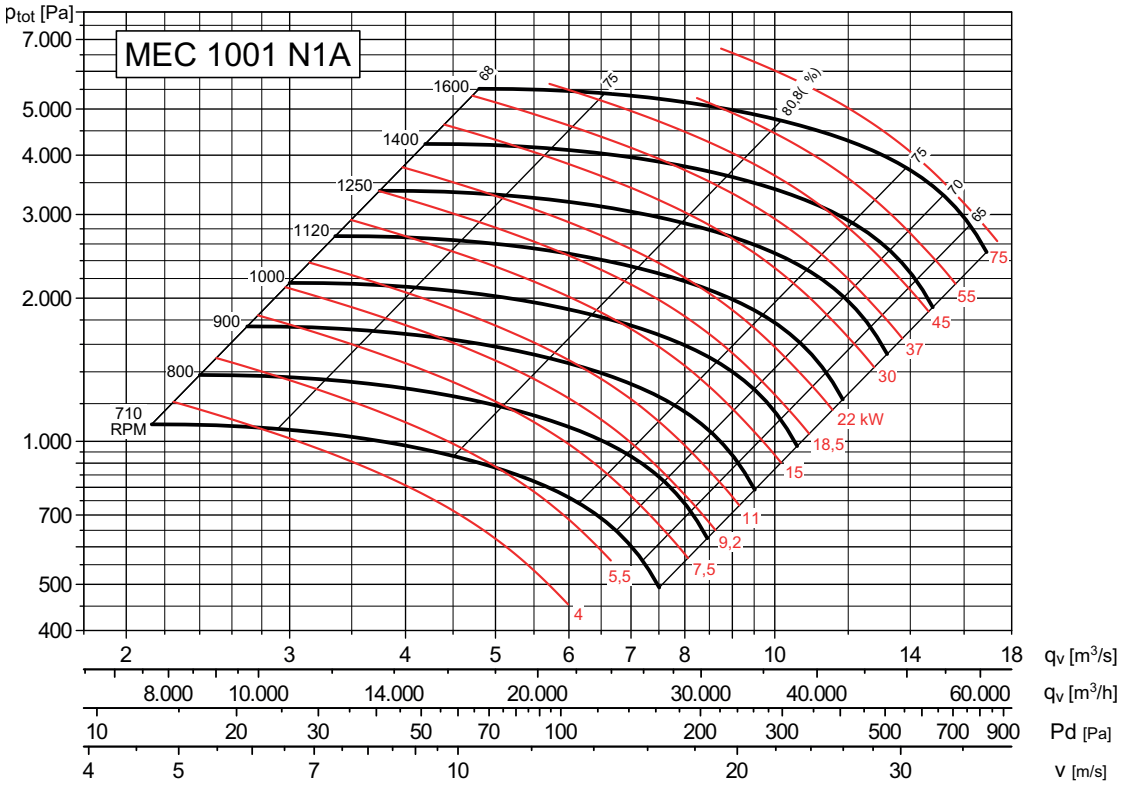



MAX. RPM

⩽ 100°C = 1600 rpm
101 ÷ 220°C = 1400 rpm
201 ÷ 300°C = 1250 rpm

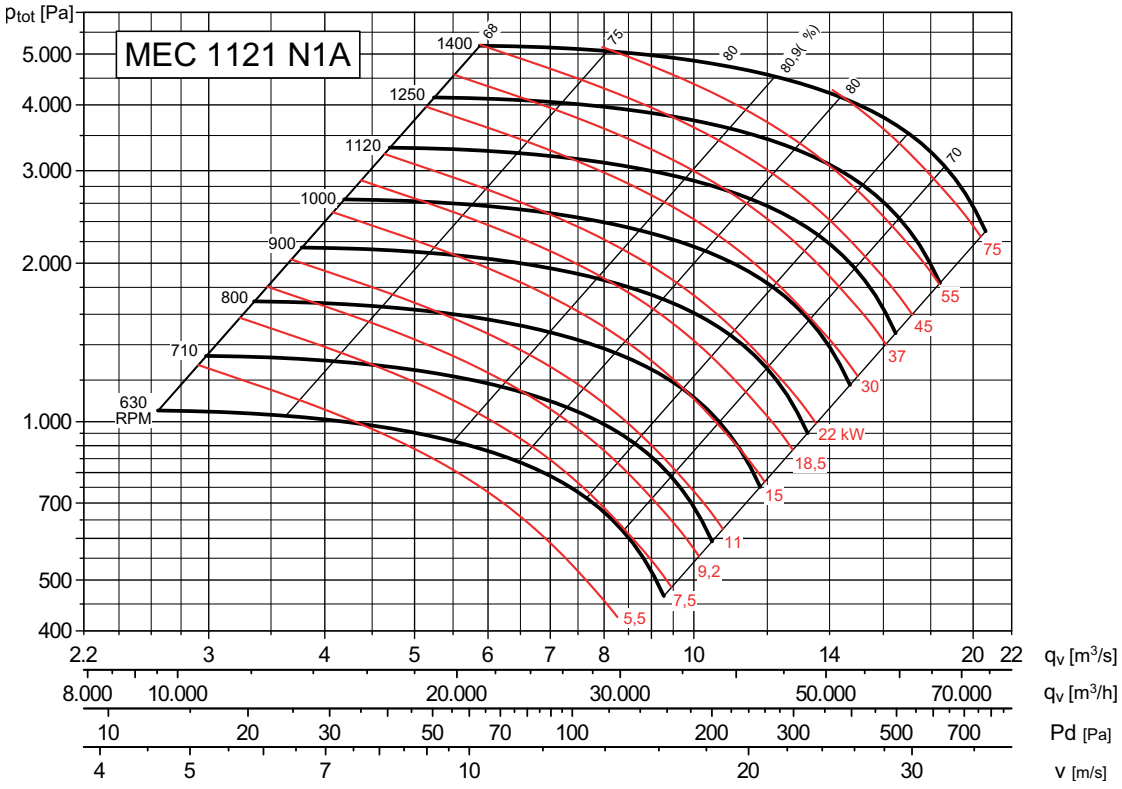
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 1400 rpm
101 ÷ 220°C = 1250 rpm
201 ÷ 300°C = 1120 rpm

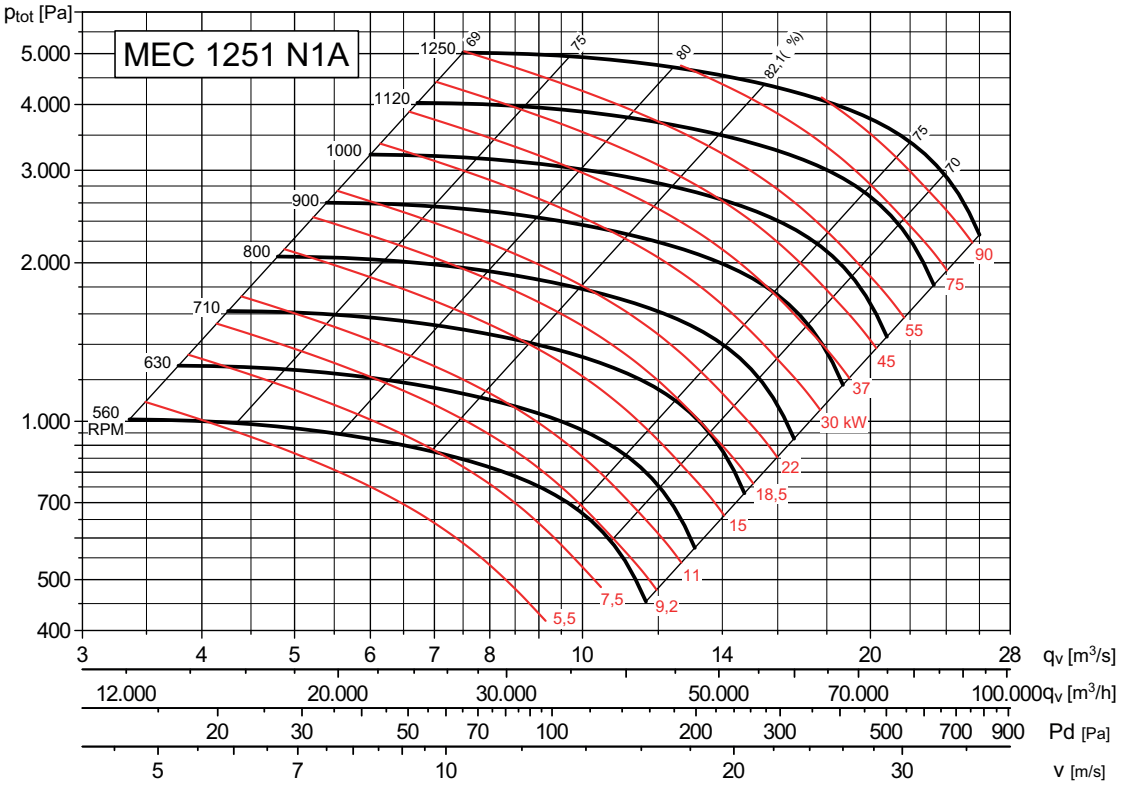



MAX. RPM

≤ 100°C = 1250 rpm
101 ÷ 220°C = 1120 rpm
201 ÷ 300°C = 1000 rpm

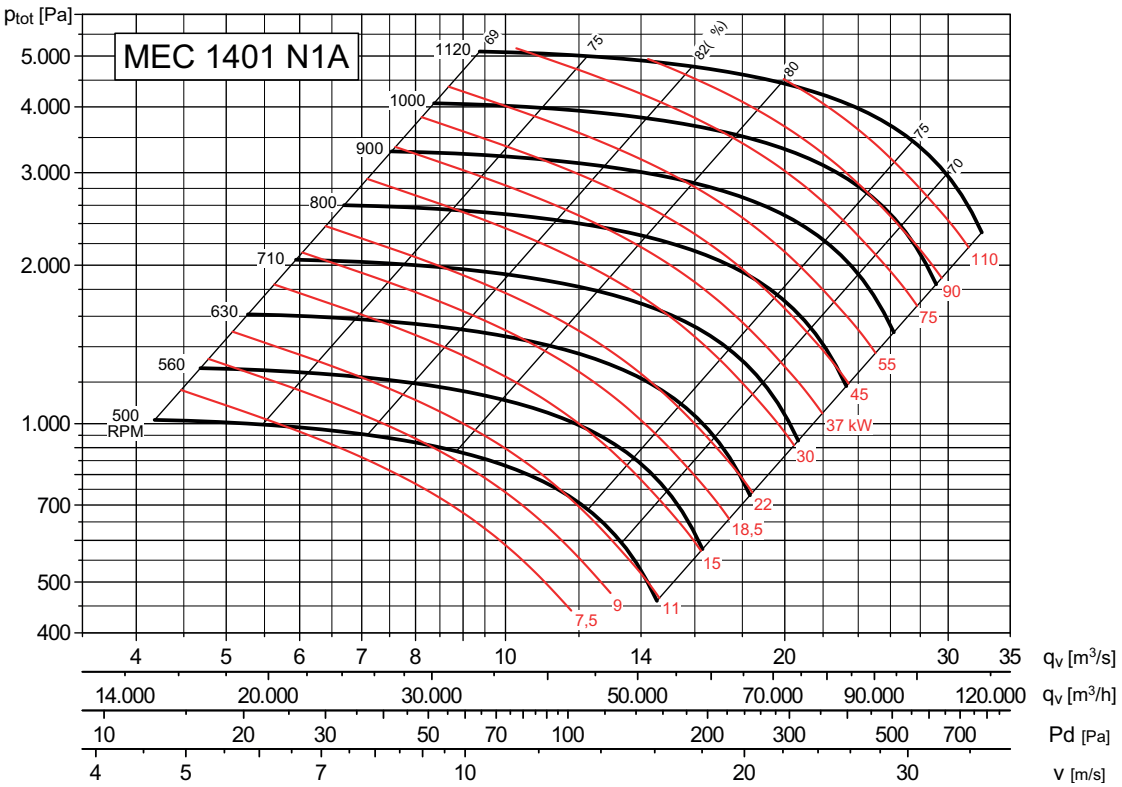
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 1120 rpm
101 ÷ 220°C = 1000 rpm
201 ÷ 300°C = 900 rpm

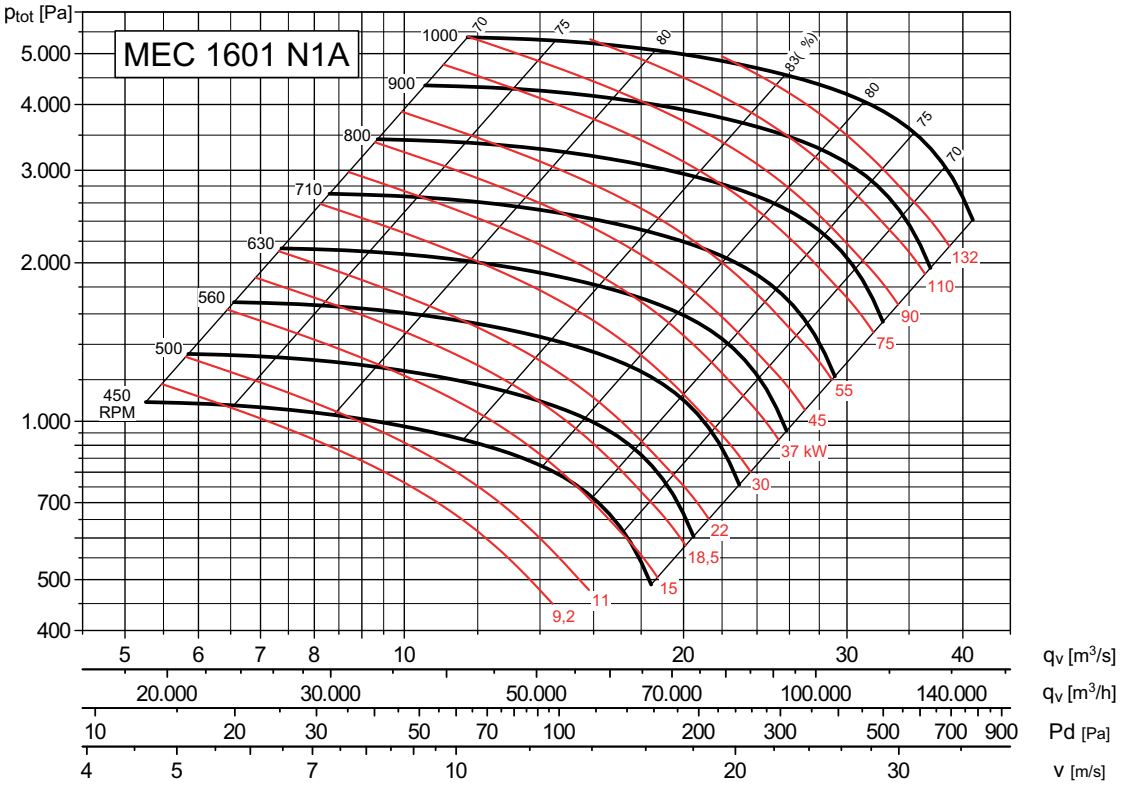



MAX. RPM

≤ 100°C = 1000 rpm
101 ÷ 220°C = 900 rpm
201 ÷ 300°C = 800 rpm

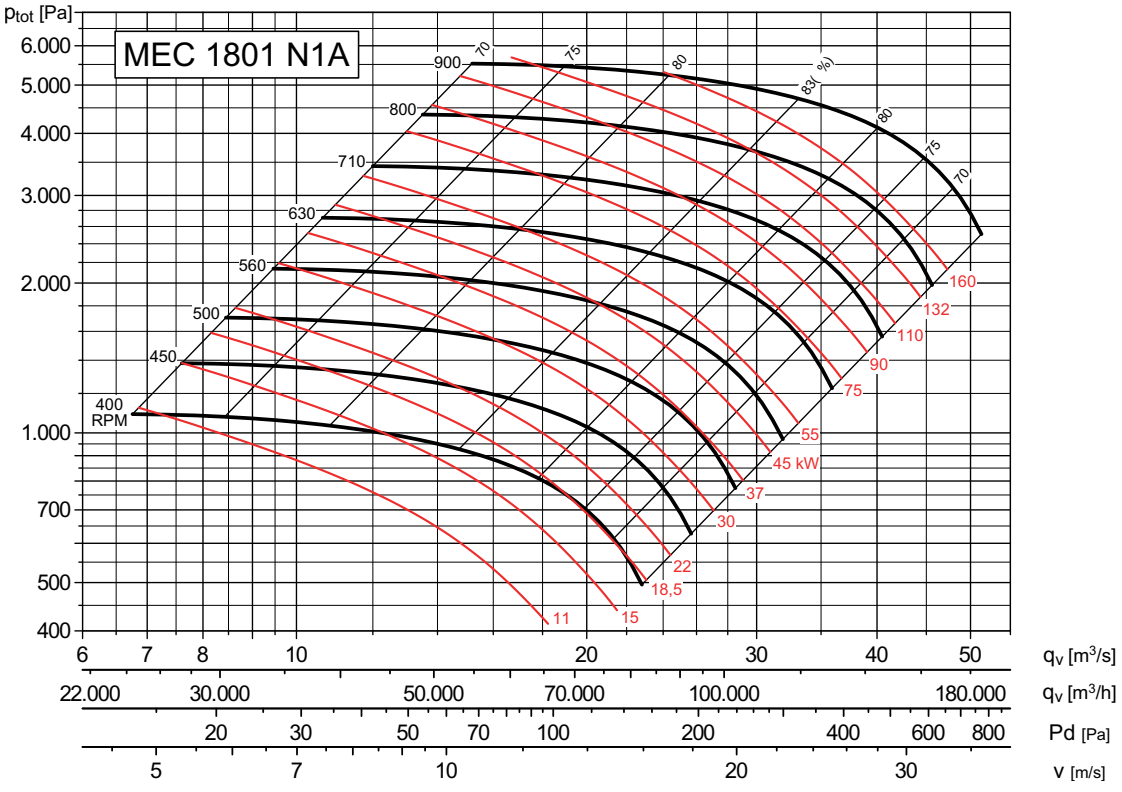
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 900 rpm
101 ÷ 220°C = 800 rpm
201 ÷ 300°C = 710 rpm

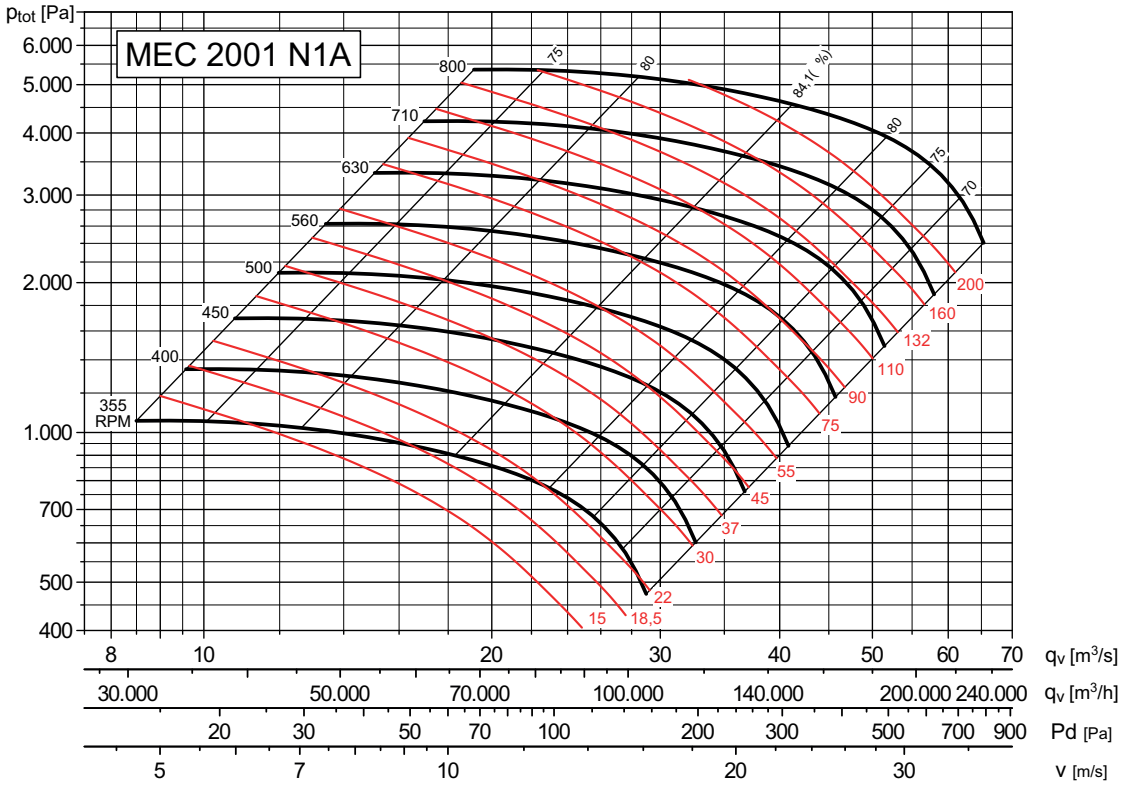



MAX. RPM

≤ 100°C = 800 rpm
101 ÷ 220°C = 710 rpm
201 ÷ 300°C = 630 rpm

## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**

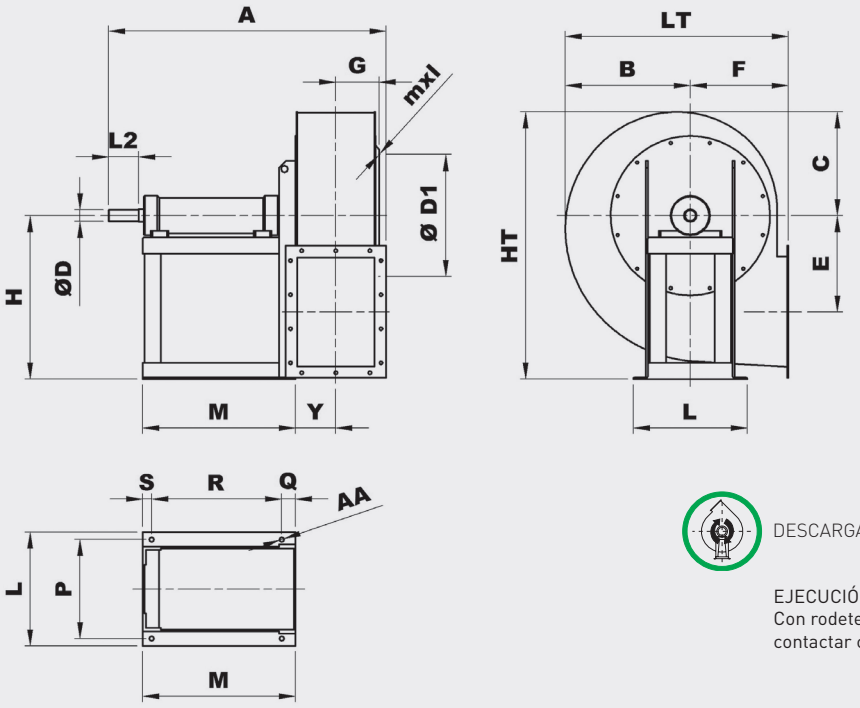



MAX. RPM

≤ 100°C = 710 rpm
101 ÷ 220°C = 630 rpm
201 ÷ 300°C = 560 rpm

## DIMENSIONES (mm)

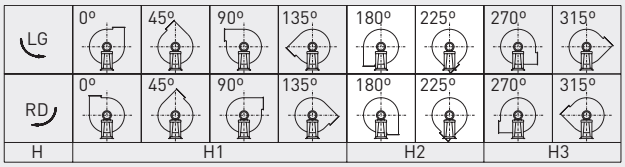
Modelos desde 251 hasta 501




DESCARGA ORIENTABLE

EJECUCIÓN B
Con rodete de refrigeración, contactar con oficina técnica.

ORIENTACIONES



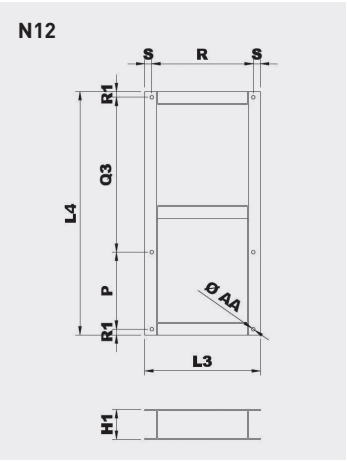

Para estas orientaciones, contactar con oficina técnica

| Modelo | | | | | | | | | | | | | | | | Eje | | Base | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | ØD1 | E | F | G | H | | | HT | mxl | Y | LT | L | ØD | L2 | P | M | Q | R | S | ØAA |
| | | | | | | | | H1 | H2 | H3 | | | | | | | | | | | | | |
| MEC 251 N1A | 519 | 245 | 210 | 219 | 176 | 195 | 79 | 315 | 195 | 315 | 525 | M6x16 | 76 | 440 | 255 | 19 | 40 | 228 | 282 | 55 | 210 | 17 | 10 |
| MEC 281 N1A | 619 | 270 | 235 | 241 | 202 | 200 | 88 | 375 | 200 | 375 | 610 | M6x16 | 86 | 470 | 324 | 24 | 50 | 288 | 347 | 40 | 284 | 23 | 10 |
| MEC 311 N1A | 633 | 300 | 260 | 265 | 230 | 225 | 99 | 400 | 225 | 400 | 660 | M6x16 | 96 | 525 | 324 | 24 | 50 | 288 | 347 | 40 | 284 | 23 | 12 |
| MEC 351 N1A | 813 | 340 | 295 | 292 | 253 | 255 | 110 | 450 | 255 | 450 | 745 | M8x20 | 107 | 595 | 400 | 28 | 60 | 355 | 485 | 50 | 407 | 28 | 14 |
| MEC 401 N1A | 858 | 375 | 330 | 332 | 286 | 285 | 122 | 500 | 285 | 500 | 830 | M8x20 | 120 | 660 | 400 | 38 | 80 | 355 | 485 | 50 | 407 | 28 | 14 |
| MEC 451 N1A | 885 | 425 | 370 | 366 | 321 | 320 | 138 | 560 | 320 | 560 | 930 | M8x20 | 133 | 745 | 400 | 38 | 80 | 355 | 485 | 50 | 407 | 28 | 14 |
| MEC 501 N1A | 1025 | 470 | 410 | 405 | 354 | 360 | 159 | 600 | 360 | 600 | 1010 | M8x20 | 149 | 830 | 418 | 42 | 110 | 364 | 560 | 50 | 477 | 33 | 17 |

## DIMENSIONES (mm)

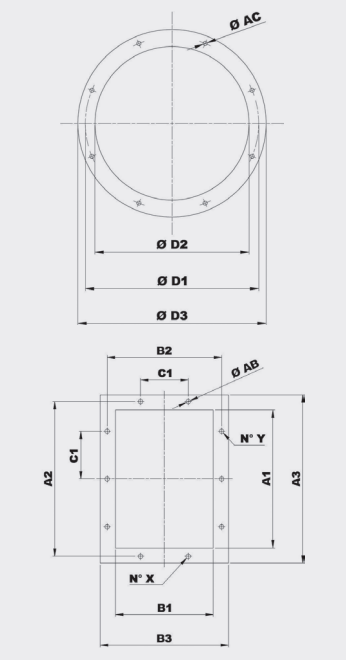
Modelos desde 251 hasta 501

N12




Bancada ejecución 12

| Modelo | H1 | P | L3 | L4 | Q3 | R | R1 | S | ØAA | Peso (kg) |
|---|---|---|---|---|---|---|---|---|---|---|
| 251 N12A | 80 | 228 | 244 | 700 | 445 | 210 | 13,5 | 17 | 14 | 6 |
| 281 N12A | 100 | 288 | 330 | 800 | 476 | 284 | 18 | 23 | 14 | 14 |
| 311 N12A | 100 | 288 | 330 | 800 | 476 | 284 | 18 | 23 | 14 | 14 |
| 351 N12A | 120 | 355 | 463 | 1010 | 610 | 407 | 22,5 | 28 | 14 | 25 |
| 401 N12A | 120 | 355 | 463 | 1010 | 610 | 407 | 22,5 | 28 | 14 | 25 |
| 451 N12A | 120 | 355 | 463 | 1010 | 610 | 407 | 22,5 | 28 | 14 | 25 |
| 501 N12A | 140 | 364 | 543 | 1150 | 732 | 477 | 27 | 33 | 17 | 34 |




Brida aspiración

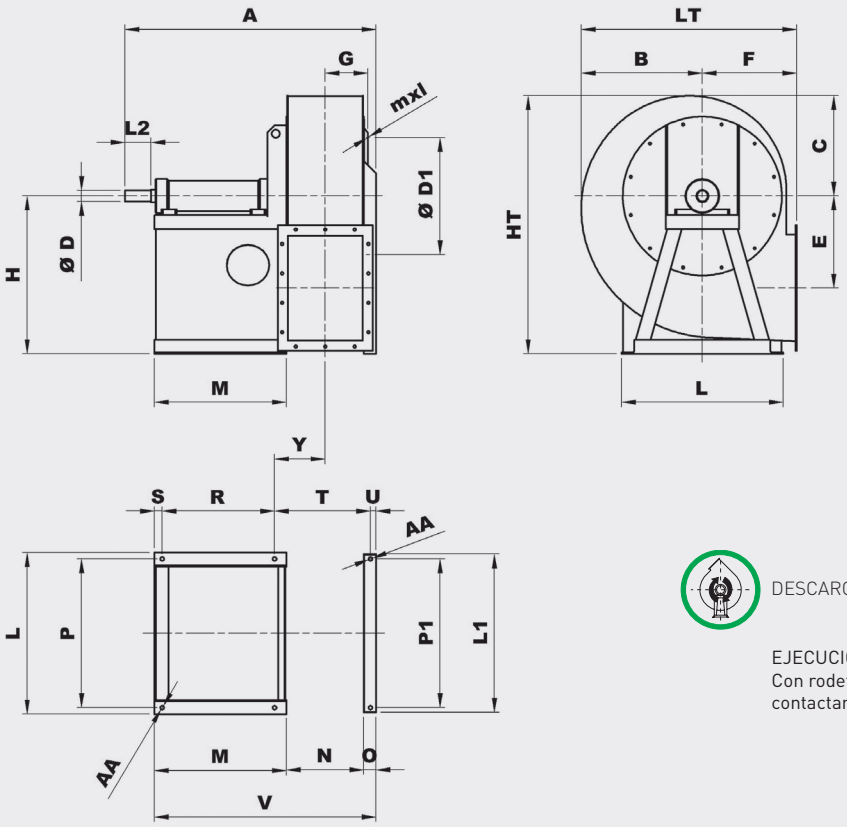
| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 221 | 125 | 165 | 129 | 189 | 8 | 4 |
| 251 | 180 | 219 | 184 | 254 | 8 | 8 |
| 281 | 200 | 241 | 204 | 274 | 8 | 8 |
| 311 | 224 | 265 | 228 | 298 | 8 | 8 |
| 351 | 250 | 292 | 254 | 324 | 10 | 8 |
| 401 | 280 | 332 | 285 | 365 | 10 | 8 |
| 451 | 315 | 366 | 320 | 400 | 10 | 8 |
| 501 | 355 | 405 | 360 | 440 | 10 | 8 |

Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 221 | 140x100 | 146 | 105 | 182 | 139 | 216 | 175 | 112 | 12 | 1+1 | 2+2 |
| 251 | 200x140 | 205 | 146 | 241 | 182 | 275 | 216 | 112 | 12 | 2+2 | 2+2 |
| 281 | 224x160 | 229 | 164 | 265 | 200 | 299 | 234 | 112 | 12 | 2+2 | 2+2 |
| 311 | 250x180 | 256 | 183 | 292 | 219 | 326 | 253 | 112 | 12 | 2+2 | 3+3 |
| 351 | 280x200 | 288 | 205 | 332 | 249 | 368 | 285 | 125 | 12 | 2+2 | 3+3 |
| 401 | 315x224 | 322 | 229 | 366 | 273 | 402 | 309 | 125 | 12 | 2+2 | 3+3 |
| 451 | 355x250 | 361 | 256 | 405 | 300 | 441 | 336 | 125 | 12 | 2+2 | 3+3 |
| 501 | 400x280 | 404 | 288 | 448 | 332 | 484 | 368 | 125 | 12 | 3+3 | 4+4 |

## DIMENSIONES (mm)

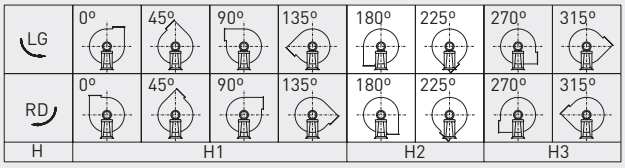
Modelos desde 561 hasta 631




DESCARGA ORIENTABLE

EJECUCIÓN B
Con rodete de refrigeración, contactar con oficina técnica.

ORIENTACIONES

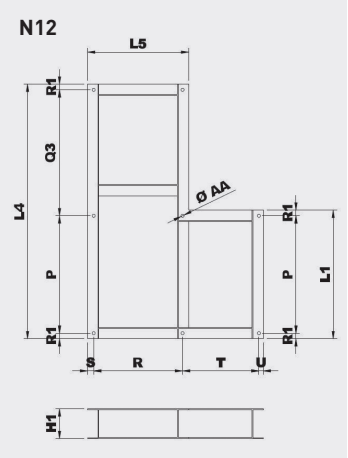



Para estas orientaciones, contactar con oficina técnica

| Modelo | A | B | C | ØD1 | E | F | G | H | | | HT | mxl | Y | LT | L | Eje | | Base | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | H1 | H2 | H3 | | | | | | ØD | L2 | P | L1 | P1 | M | N | O | R | S | T | U | V | ØAA |
| MEC 561 N1A | 1070 | 550 | 455 | 448 | 391 | 400 | 181 | 670 | 400 | 670 | 1121 | M8x20 | 215 | 950 | 686 | 48 | 110 | 632 | 672 | 632 | 560 | 330 | 53 | 477 | 33 | 410 | 23 | 943 | 17 |
| MEC 631 N1A | 1110 | 615 | 515 | 497 | 441 | 450 | 200 | 750 | 450 | 750 | 1265 | M8x20 | 236 | 1065 | 756 | 48 | 110 | 702 | 762 | 702 | 560 | 370 | 53 | 477 | 33 | 450 | 23 | 983 | 17 |

## DIMENSIONES (mm)

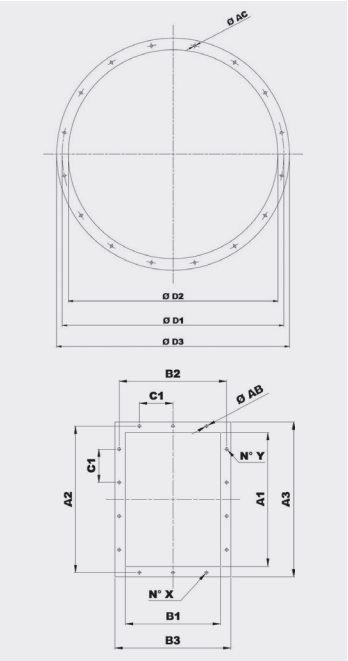
Modelos desde 561 hasta 631




Bancada ejecución 12

| Modelo | H1 | P | L1 | L4 | L5 | Q3 | R | R1 | S | T | U | ØAA | Peso (kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 561 N12A | 160 | 632 | 692 | 1370* | 543 | 678* | 477 | 30 | 33 | 410 | 23 | 17 | 51 |
| 631 N12A | 160 | 702 | 762 | 1470** | 543 | 708** | 477 | 30 | 33 | 450 | 23 | 17 | 55 |

* Para motores de talla 200-225, esta cota aumenta en 100 mm
** Para motores de talla 200-225-250-280, esta cota aumenta en 100 mm




Brida aspiración

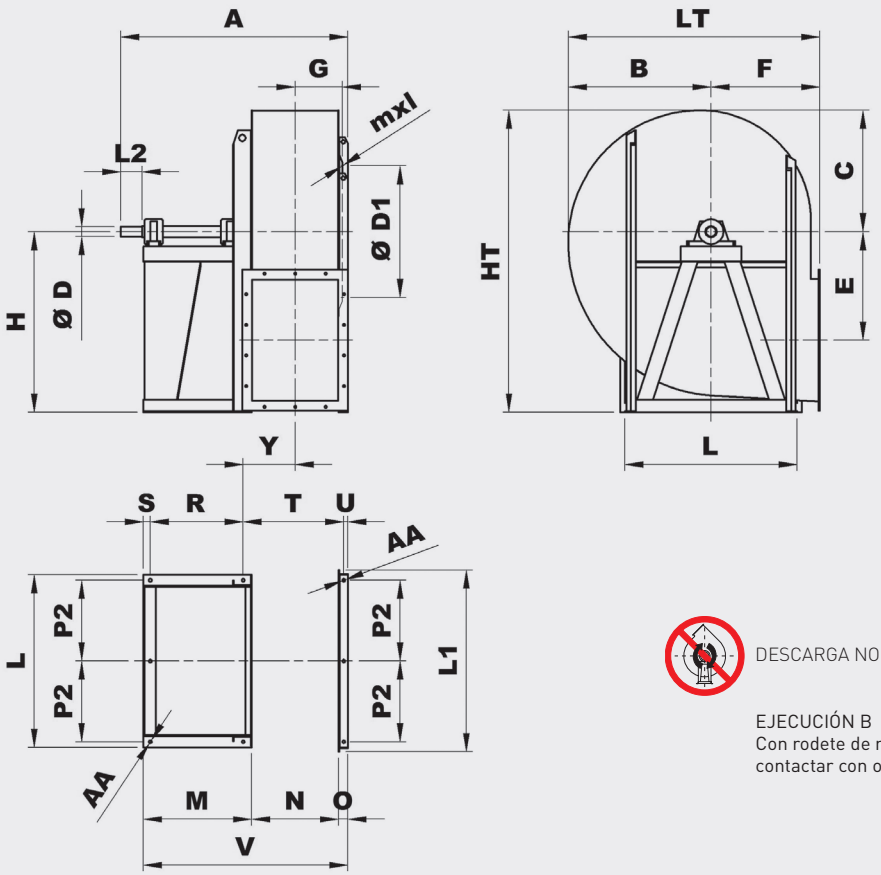
| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 561 | 400 | 448 | 405 | 485 | 10 | 12 |
| 631 | 450 | 497 | 455 | 535 | 10 | 12 |

Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 561 | 450x315 | 453 | 322 | 497 | 366 | 533 | 402 | 125 | 12 | 3+3 | 4+4 |
| 631 | 500x355 | 507 | 361 | 551 | 405 | 587 | 441 | 125 | 12 | 3+3 | 4+4 |

## DIMENSIONES (mm)

Modelos desde 711 hasta 2001




DESCARGA NO ORIENTABLE

EJECUCIÓN B
Con rodete de refrigeración, contactar con oficina técnica.

ORIENTACIONES

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LG | 0º | 45º | 90º | 135º | 180º | 225º | 270º | 315º |
| RD | 0º | 45º | 90º | 135º | 180º | 225º | 270º | 315º |
| H | H1 | | | | H2 | | H3 | |

Para estas orientaciones, contactar con oficina técnica

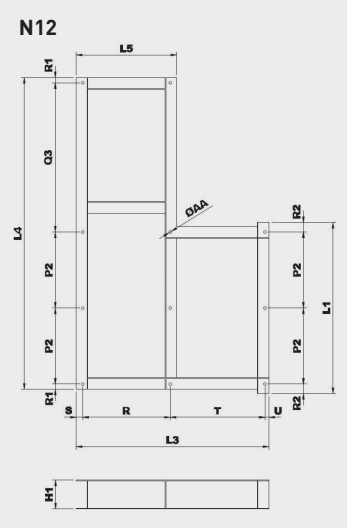
| Modelo | A | B | C | ØD1 | E | F | G | H | | | HT | mxl | Y | LT | L | Eje | | Base | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | H1 | H2 | H3 | | | | | | ØD | L2 | L1 | M | N | O | P2 | R | S | T | U | V | ØAA |
| MEC 711 N1A | 1250 | 690 | 565 | 551 | 500 | 500 | 222 | 670 | 500 | 850 | 1415 | M8x20 | 262 | 1190 | 836 | 48 | 110 | 896 | 650 | 404 | 60 | 386 | 551 | 39 | 497 | 27 | 1114 | 19 |
| MEC 801 N1A | 1295 | 770 | 630 | 629 | 560 | 560 | 251 | 750 | 560 | 950 | 1580 | M8x20 | 287 | 1330 | 926 | 55 | 110 | 986 | 650 | 453 | 60 | 431 | 551 | 39 | 546 | 27 | 1163 | 19 |
| MEC 901 N1A | 1350 | 870 | 705 | 698 | 630 | 630 | 278 | 850 | 630 | 1060 | 1765 | M8x20 | 314 | 1490 | 1026 | 55 | 110 | 1086 | 650 | 507 | 60 | 481 | 551 | 39 | 600 | 27 | 1217 | 19 |
| MEC 1001 N1A | 1495 | 965 | 795 | 775 | 710 | 710 | 309 | 950 | 710 | 1180 | 1975 | M10x30 | 340 | 1675 | 1128 | 65 | 140 | 1188 | 707 | 569 | 60 | 528 | 607 | 45 | 657 | 27 | 1336 | 19 |
| MEC 1121 N1A | 1770 | 1085 | 895 | 861 | 800 | 800 | 349 | 1060 | 800 | 1320 | 2215 | M10x30 | 399 | 1885 | 1268 | 75 | 140 | 1348 | 885 | 638 | 80 | 589 | 760 | 45 | 763 | 35 | 1603 | 24 |
| MEC 1251 N1A | 1850 | 1215 | 1005 | 958 | 900 | 900 | 387 | 1180 | 900 | 1500 | 2505 | M10x30 | 438 | 2115 | 1400 | 75 | 140 | 1480 | 885 | 715 | 80 | 655 | 760 | 45 | 840 | 35 | 1680 | 24 |
| MEC 1401 N1A | 2010 | 1345 | 1115 | 1067 | 1000 | 1000 | 440 | 1320 | 1000 | 1700 | 2815 | M10x30 | 501 | 2345 | 1560 | 80 | 170 | 1640 | 935 | 801 | 80 | 725 | 780 | 55 | 946 | 35 | 1816 | 24 |
| MEC 1601 N1A | 2290 | 1530 | 1245 | 1200 | 1120 | 1120 | 489 | 1500 | 1120 | 1900 | 3145 | M10x30 | 569 | 2650 | 1750 | 90 | 170 | 1850 | 1102 | 898 | 100 | 820 | 917 | 65 | 1073 | 45 | 2100 | 28 |
| MEC 1801 N1A | 2590 | 1770 | 1390 | 1337 | 1250 | 1250 | 515 | 1650 | 1250 | 2120 | 3510 | M10 | 624 | 3020 | 1950 | 100 | 210 | 1950 | 1102 | 1007 | 120 | 915 | 917 | 65 | 1192 | 55 | 2229 | 28 |
| MEC 2001 N1A | 2615 | 1965 | 1555 | 1491 | 1400 | 1400 | 575 | 1850 | 1400 | 2360 | 3915 | M10 | 685 | 3365 | 2150 | 100 | 210 | 2122 | 1102 | 1130 | 120 | 1015 | 917 | 65 | 1315 | 55 | 2352 | 28 |

LG0 - RD0
LG270 - RD270

Sólo para estas orientaciones. Consultar con oficina técnica para diferentes posiciones

## DIMENSIONES (mm)

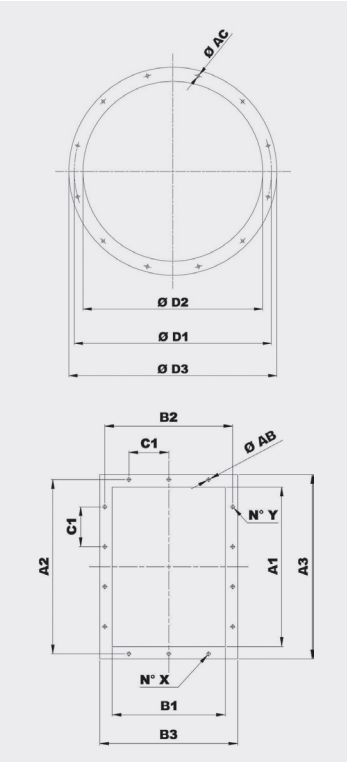
Modelos desde 711 hasta 2001




Bancada ejecución 12

| Modelo | H1 | P2 | L1 | L3 | L4 | L5 | Q3 | R | R1 | R2 | S | T | ØAA | Peso (kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 711 N12A | 180 | 386 | 896 | 1114 | 1643* | 629 | 807* | 551 | 32 | 62 | 39 | 497 | 19 | 83 |
| 801 N12A | 180 | 431 | 986 | 1163 | 1768** | 629 | 842** | 551 | 32 | 62 | 39 | 546 | 19 | 90 |
| 901 N12A | 180 | 481 | 1086 | 1217 | 2013 | 629 | 987 | 551 | 32 | 62 | 39 | 600 | 19 | 96 |
| 1001 N12A | 200 | 528 | 1188 | 1336 | 2164 | 697 | 1036 | 607 | 36 | 66 | 45 | 657 | 19 | 125 |
| 1121 N12A | 220 | 589 | 1348 | 1603 | 2334 | 850 | 1066 | 760 | 45 | 85 | 45 | 763 | 24 | 190 |
| 1251 N12A | 220 | 655 | 1480 | 1680 | 2630 | 850 | 1230 | 760 | 45 | 85 | 45 | 840 | 24 | 205 |
| 1401 N12A | 220 | 725 | 1640 | 1816 | 2800 | 890 | 1240 | 780 | 55 | 95 | 55 | 946 | 24 | 240 |
| 1601 N12A | 220 | 820 | 1850 | 2100 | 2945 | 1047 | 1195 | 917 | 55 | 55 | 65 | 1073 | 28 | 270 |
| 1801 N12A | 250 | 915 | 1950 | 2229 | 3245 | 1047 | 1295 | 917 | 60 | 60 | 65 | 1192 | 28 | 360 |
| 2001 N12A | 250 | 1015 | 2150 | 2352 | 3500 | 1047 | 1350 | 917 | 60 | 60 | 65 | 1315 | 28 | 425 |

* Para motores de talla 250-280, esta cota aumenta en 150 mm
** Para motores de talla 250-280, esta cota aumenta en 100 mm




Brida aspiración

| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 711 | 500 | 505 | 551 | 585 | 10 | 12 |
| 801 | 560 | 566 | 629 | 666 | 10 | 12 |
| 901 | 630 | 636 | 698 | 736 | 10 | 12 |
| 1001 | 710 | 716 | 775 | 816 | 12 | 16 |
| 1121 | 800 | 806 | 861 | 906 | 12 | 16 |
| 1251 | 900 | 906 | 958 | 1006 | 12 | 16 |
| 1401 | 1000 | 1007 | 1067 | 1107 | 12 | 24 |
| 1601 | 1120 | 1128 | 1200 | 1248 | 12 | 24 |
| 1801 | 1250 | 1260 | 1337 | 1380 | 12 | 24 |
| 2001 | 1400 | 1420 | 1491 | 1540 | 12 | 32 |

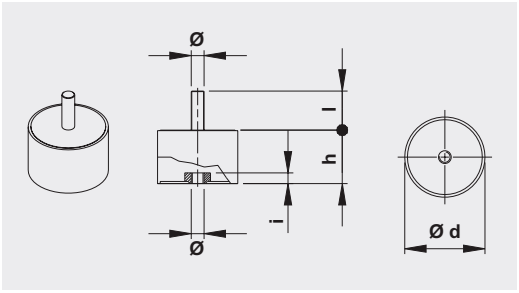
Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 711 | 560x400 | 569 | 404 | 629 | 464 | 669 | 504 | 160 | 14 | 3+3 | 4+4 |
| 801 | 630x450 | 638 | 453 | 698 | 513 | 738 | 553 | 160 | 14 | 3+3 | 4+4 |
| 901 | 710x500 | 715 | 507 | 775 | 567 | 815 | 607 | 160 | 14 | 3+3 | 5+5 |
| 1001 | 800x560 | 801 | 569 | 871 | 639 | 921 | 689 | 200 | 14 | 3+3 | 4+4 |
| 1121 | 900x630 | 898 | 638 | 968 | 708 | 1018 | 758 | 200 | 14 | 4+4 | 5+5 |
| 1251 | 1000x710 | 1007 | 715 | 1077 | 785 | 1127 | 835 | 200 | 14 | 4+4 | 5+5 |
| 1401 | 1120x800 | 1130 | 801 | 1210 | 881 | 1270 | 941 | 200 | 18 | 4+4 | 6+6 |
| 1601 | 1250x900 | 1267 | 898 | 1347 | 978 | 1407 | 1038 | 200 | 18 | 5+5 | 7+7 |
| 1801 | 1400x1000 | 1421 | 1007 | 1501 | 1087 | 1561 | 1147 | 200 | 18 | 5+5 | 7+7 |
| 2001 | 1600x1120 | 1593 | 1130 | 1683 | 1220 | 1753 | 1290 | 200 | 22 | 6+6 | 8+8 |

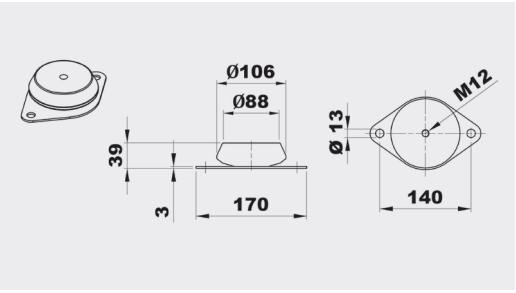
## AMORTIGUADORES

Amortiguadores recomendados

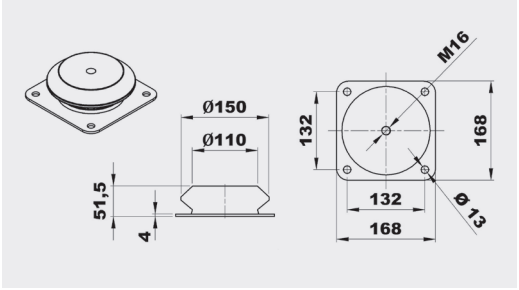
| Ventilador | Ejecución 9 | Ejecución 12 |
|---|---|---|
| 251/2 | 4 x AM 25 - 25x20 | 4 x AM 30 - 30x30 |
| 281/2 | 4 x AM 25 - 25x20 | 4 x AM 30 - 30x30 |
| 311/2 | 4 x AM 30 - 30x30 | 4 x AM 30 - 30x30 |
| 351/2 | 4 x AM 30 - 30x30 | 4 x AM 40 - 40x30 |
| 401/2 | 4 x AM 40 - 40x30 | 4 x AM 40 - 40x30 |
| 451/2 | 4 x AM 40 - 40x30 | 4 x AM 50 - 50x40 |
| 501/2 | 4 x AM 50 - 50x40 | 4 x AM 50 - 50x40 |
| 561/2 | 4 x AM 50 - 50x40 | 6 x AM 50 - 50x40 |
| 631/2 | 4 x AM 75 - 75x50 | 6 x AM 75 - 75x50 |
| 711/2 | 4 x AM 75 - 75x50 | 6 x AM 75 - 75x50 |
| 801/2 | 4 x AM 75 - 75x50 | 6 x AM 75 - 75x50 |
| 901/2 | 6 x AM 75 - 75x50 | 6 x AZ 39 - 140x39 |
| 1001/2 | 6 x AM 75 - 75x50 | 6 x AZ 39 - 140x39 |
| 1121/2 | 6 x AZ 39 - 140x39 | 6 x AZ 39 - 140x39 |
| 1251/2 | 6 x AZ 39 - 140x39 | 6 x AZ 51 - 132x51 |
| 1401/2 | 6 x AZ 51 - 132x51 | 6 x AZ 51 - 132x51 |
| 1601 | - | 6 x AZ 51 - 132x51 |
| 1801 | - | 6 x AZ 63 - 150x63 |
| 2001 | - | 6 x AZ 63 - 150x63 |



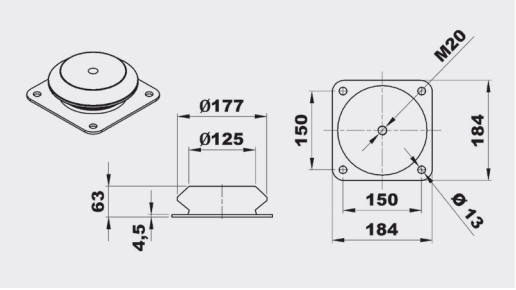

| Tipo | Carga para 4 soportes (kg) | d | h | Ø | l | Peso (kg) |
|---|---|---|---|---|---|---|
| AM 25 | 41÷80 | 25 | 20 | M6 | 18 | 0,03 |
| AM 30 | 81÷140 | 30 | 30 | M8 | 20 | 0,05 |
| AM 40 | 141÷224 | 40 | 30 | M8 | 23 | 0,10 |
| AM 50 | 225÷315 | 50 | 40 | M10 | 28 | 0,20 |
| AM 75 | 316÷630 | 75 | 50 | M12 | 37 | 0,50 |




| Tipo | Carga para 4 soportes (kg) | Peso (kg) |
|---|---|---|
| AZ 39 | 631÷1250 | 0,7 |

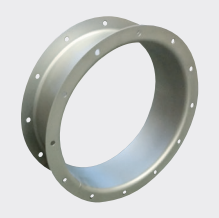



| Tipo | Carga para 4 soportes (kg) | Peso (kg) |
|---|---|---|
| AZ 51 | 1251÷2500 | 1,8 |

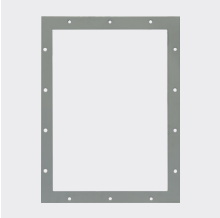



| Tipo | Carga para 4 soportes (kg) | Peso (kg) |
|---|---|---|
| AZ 63 | 2501÷5000 | 2,5 |

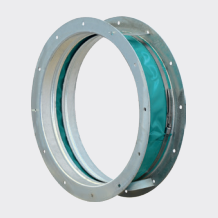
## ACCESORIOS



**CA (CFH1) - CFH2 - CFH3**
Contrabrida - Brida plana circular.



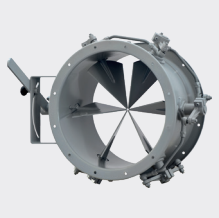
**CP**
Brida plana rectangular.



**GA**
Junta flexible aspiración.



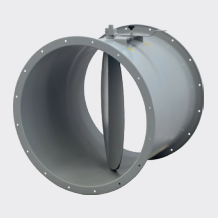
**GP**
Junta flexible descarga.



**DP**
Regulador de caudal de aspiración.



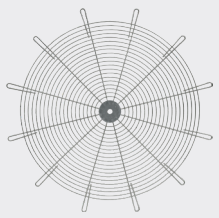
**SAD**
Compuerta de regulación de caudal de descarga.



**SF**
Vávula mariposa.



**DF**
Filtro en la aspiración.



**RC**
Rejilla de protección para la aspiración.



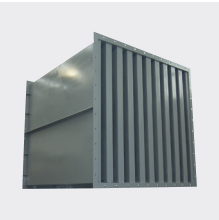
**AM/AZ**
Soportes antivibratorios.



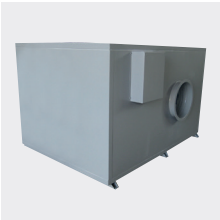
**SCSO**
Silenciador cilíndrico.



**SCCO**
Silenciador cilíndrico con bulbo.



**SASS**
Silenciador rectangular.



**CI**
Cabina de insonorización.

Ver información completa en página **772**.

# DFR

## VENTILADORES CENTRÍFUGOS DE BAJA PRESIÓN

*TRANSMISIÓN*

ErP OK

Ventilador centrífugo con accionamiento por poleas y correas o junta. Fabricados en chapa de acero protegida contra la corrosión mediante tratamiento por cataforesis + pintura poliuretana. Temperaturas del aire a transportar -20ºC/+40ºC (60ºC con cojinetes C3) en continuo.



APLICACIONES

**Aire a transportar**
Aire limpio

**Cantidad de polvo (mg/m³)**
<50



Rodete de álabes curvados hacia atrás

### Sistemas de montaje

- SISTEMA 6: rodete montado en el eje con rodamientos en ambos lados de la carcasa, sostenidos por la misma carcasa.
- SISTEMA 17: Acoplamiento mediante junta. Ejecución normalmente igual al sistema 6, pero con base para el motor.
- SISTEMA 18: Generalmente como el sistema 6 pero incluyendo bancada común para el motor y el ventilador.
- SISTEMA 19: Generalmente como el sistema 6 pero con el motor soportado por la voluta.

### Motores

De 2, 4 o 6 polos, de alta eficiencia IE 3* (las r.p.m. de cada motor se adaptarán al cálculo de cada transmisión), tensión de alimentación trifásica 230/400V 50Hz hasta tamaño motor 112 y 400/690V 50Hz para motores de mayor dimensión. Protección IP55, Clase F.

* Entre 75 y 200kW, los motores suministrados serán IE4.

### Bajo pedido

- Fabricación en diferentes materiales constructivos.
- Motores de 2 velocidades.
- Versiones de 60 Hz.
- Pintura en diferentes RAL.
- Trampilla de inspección, purga de drenaje, distintos tipos de estanqueidad a nivel de voluta y de paso de eje.
- Calorifugado.

### Versiones ATEX

Bajo pedido, versiones antiexplosivas según la Directiva ATEX para modelos trifásicos:
Para trabajar a temperaturas de -20ºC a +60ºC, presión ambiente (absoluta) de 0,8 bar hasta 1,1 bar, según EN 14986.

- Gas:
  - Ex 3G IIB T2-T3
  - Ex 3G IIB+H2 T2-T3

## CARACTERÍSTICAS TÉCNICAS

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación

| Modelo | Caudal máximo ($m^3/h$) | Potencia motor máxima (kW) | Peso (kg)[2] | Momento de inercia ($kg \cdot m^2$)[3] |
|---|---|---|---|---|
| DFR 401 N6A | 23.090 | 18,5 | 100 | 0,43 |
| DFR 451 N6A | 29.230 | 22 | 132 | 0,80 |
| DFR 501 N6A | 39.370 | 30 | 160 | 1,30 |
| DFR 561 N6A | 49.260 | 37 | 212 | 2,12 |
| DFR 631 N6A | 63.360 | 45 | 265 | 3,50 |
| DFR 711 N6A | 81.830 | 55 | 375 | 6,50 |
| DFR 801 N6A | 106.230 | 75 | 450 | 10,80 |
| DFR 901 N6A | 131.670 | 90 | 630 | 17,80 |
| DFR 1001 N6A | 150.720 | 110 | 800 | 31,80 |
| DFR 1121 N6A | 181.890 | 160 | 1.180 | 55,30 |
| DFR 1251 N6A | 220.235 | 160 | 1.600 | 97,00 |
| DFR 1401 N6A | 265.680 | 200 | 2.120 | 176,00 |
| DFR 1601 N6A | 343.730 | 315 | 2.800 | 298,00 |
| DFR 1801 N6A | 443.520 | 400 | 3.550 | 517,00 |
| DFR 2001 N6A | 535.680 | 400 | 4.750 | 999,00 |

[1] Para ejecución 6 y orientación LG270 o RD270
[2] Momento de inercia del rodete

SOPORTES SISTEMA 6

| Modelo | 401-1 / 2-3 | 451-1 / 2-3 | 501-1 / 2-3 | 561-1 / 2-3 | 631-1 / 2-3 | 711-1 / 2-3 | 801-1 / 2-3 | 901-1 / 2-3 |
|---|---|---|---|---|---|---|---|---|
| Soporte tipo | SN 509 C42<br>28 / 38 | SN 510 C48<br>32 / 42 | SN 511 C55<br>38 / 48 | SN 512 C60<br>38 / 48 | SN 513 C65<br>42 / 55 | SN 516 C75<br>48 / 60 | SN 517 C80<br>55 / 65 | SN 518 C90<br>60 / 75 |

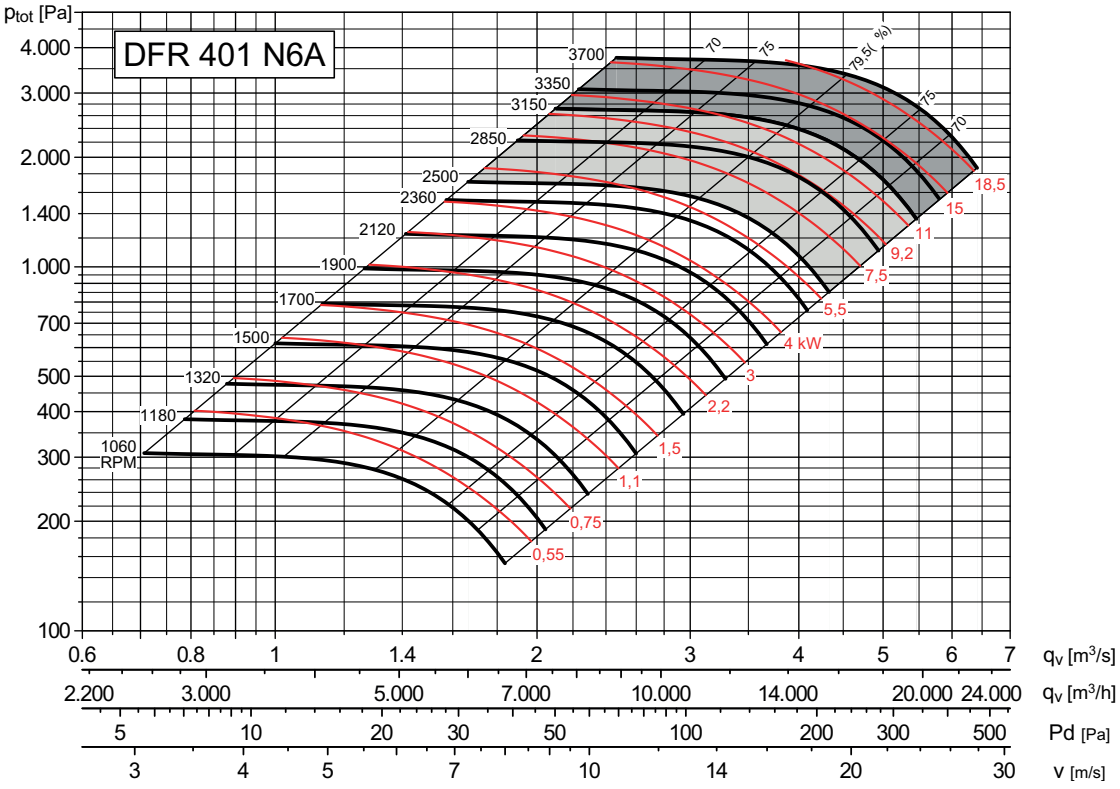
| Modelo | 1001-1 / 2-3 | 1121-1 / 2-3 | 1251-1 / 2-3 | 1401-1 / 2-3 | 1601-1 / 2-3 | 1801-1 / 2-3 | 2001-1 / 2-3 |
|---|---|---|---|---|---|---|---|
| Soporte tipo | SN 518 CL90<br>65 / 75 | SN 520 C100<br>75 / 80 | SN 522 C110<br>80 / 90 | SN 524 C120<br>90 / 100 | SN 526 C130<br>100 / 100 | SN 528 C140<br>110 / 120 | SN 530 C150<br>120 / 130 |

MOTORES SISTEMA 19

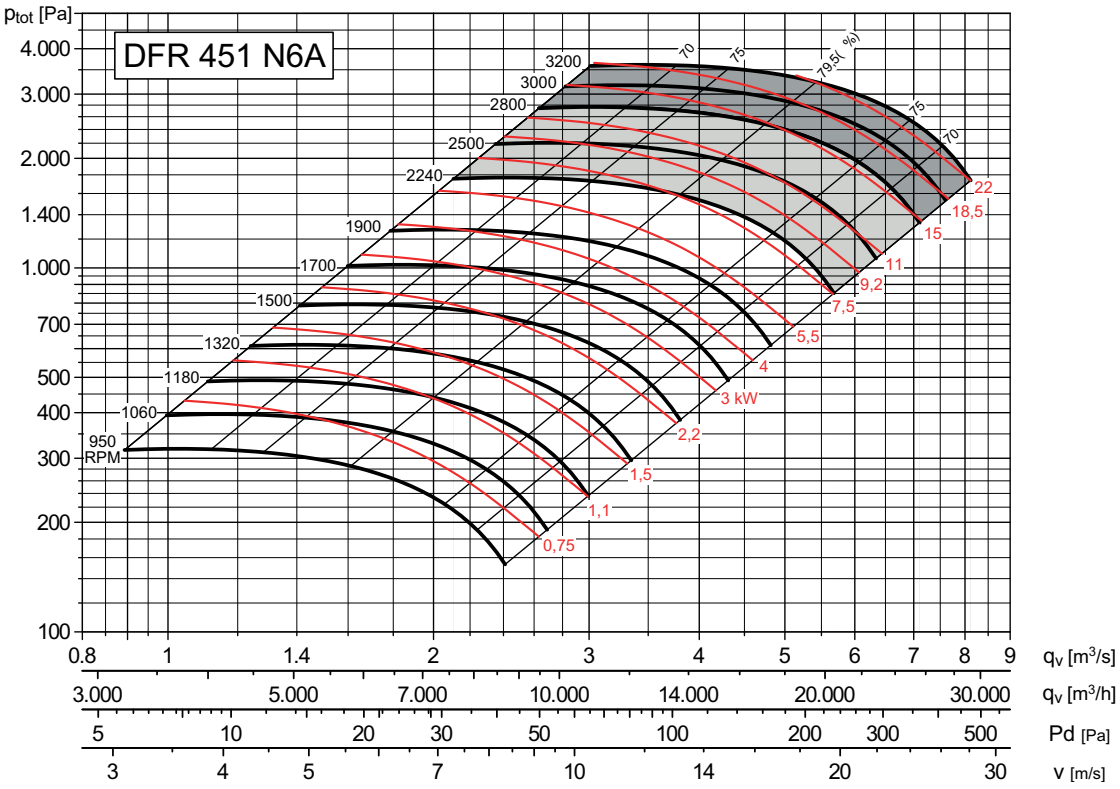
| Modelo | 401 | 451-501 | 561 | 631-711 | 801-901 | 1001 | 1121 | 1251 | 1401 |
|---|---|---|---|---|---|---|---|---|---|
| Tamaño motor | ≤ 112 M2 | ≤ 132 S2 | ≤ 132 M2 | ≤ 160 L4 | ≤ 180 L4 | ≤ 200 L4 | ≤ 225 S4 | ≤ 225 M6 | ≤ 250 M6 |

## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**



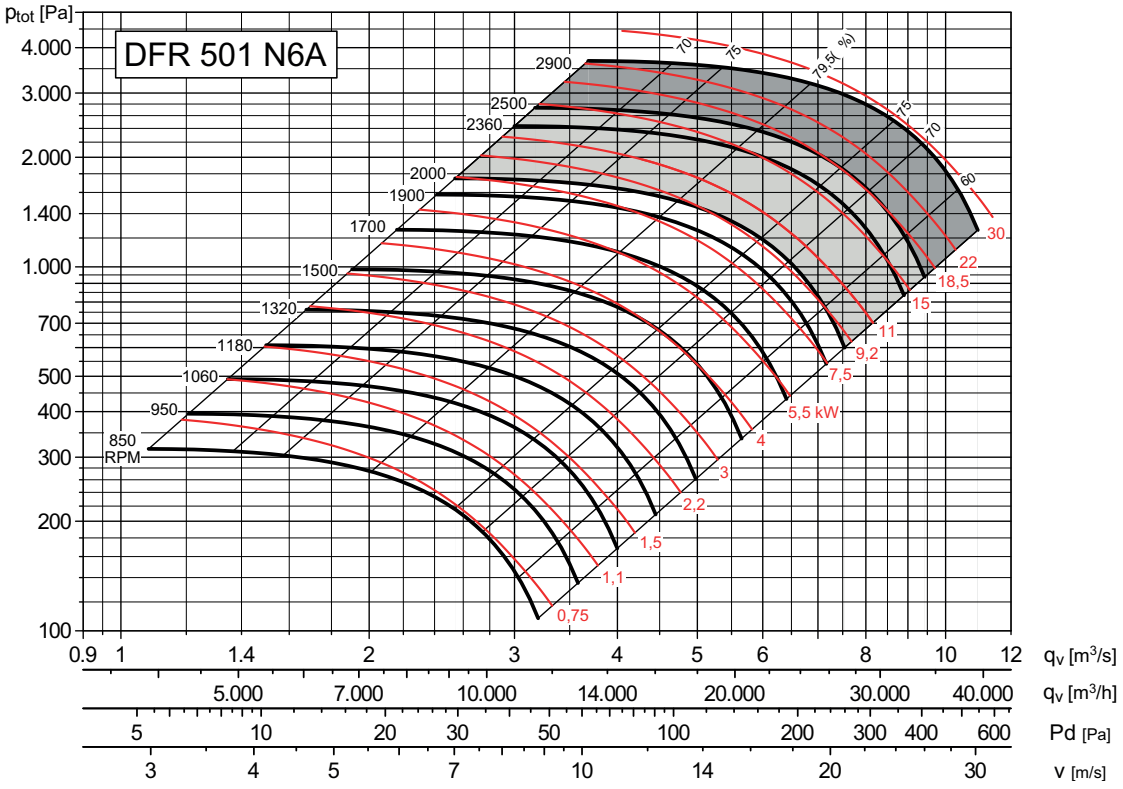

| MAX. RPM | Clase 1 | Clase 2 | Clase 3 |
|---|---|---|---|
| ≤ 40°C | 2500 | 3150 | 3700 |
| 41 ÷ 60°C | 2320 | 3000 | 3470 |



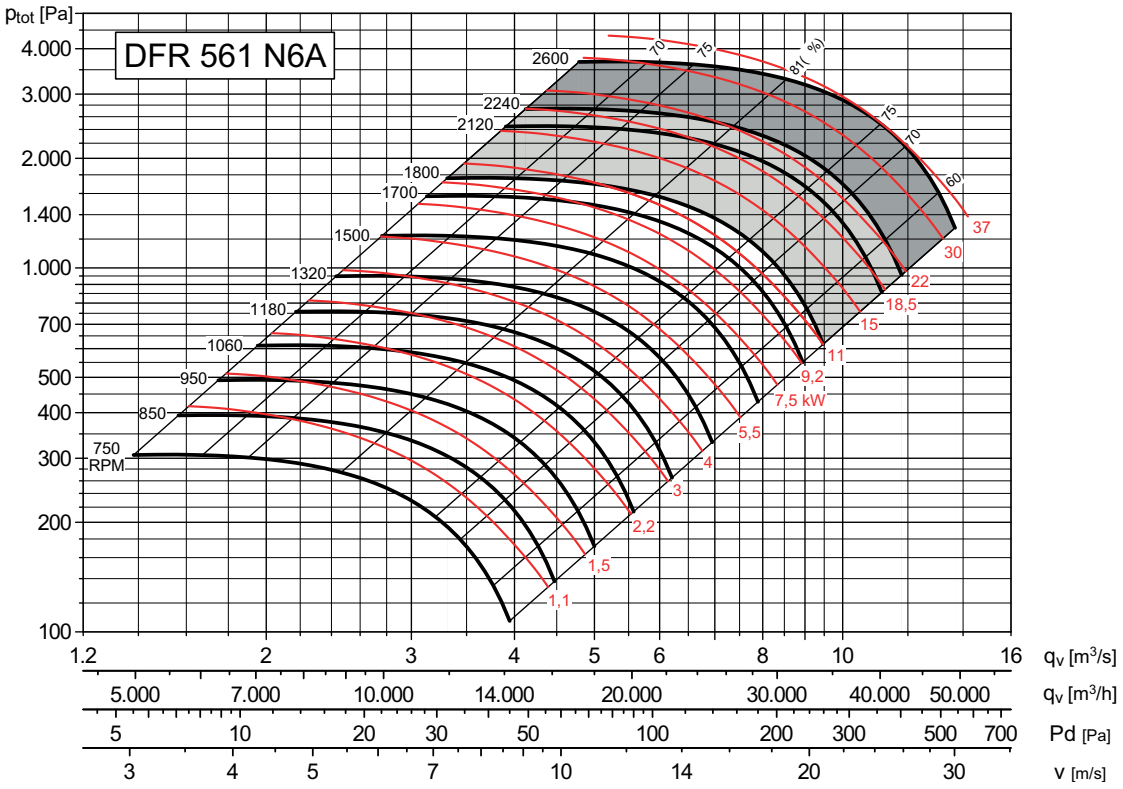

| MAX. RPM | Clase 1 | Clase 2 | Clase 3 |
|---|---|---|---|
| ≤ 40°C | 2240 | 2800 | 3200 |
| 41 ÷ 60°C | 2120 | 2650 | 3020 |

## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**



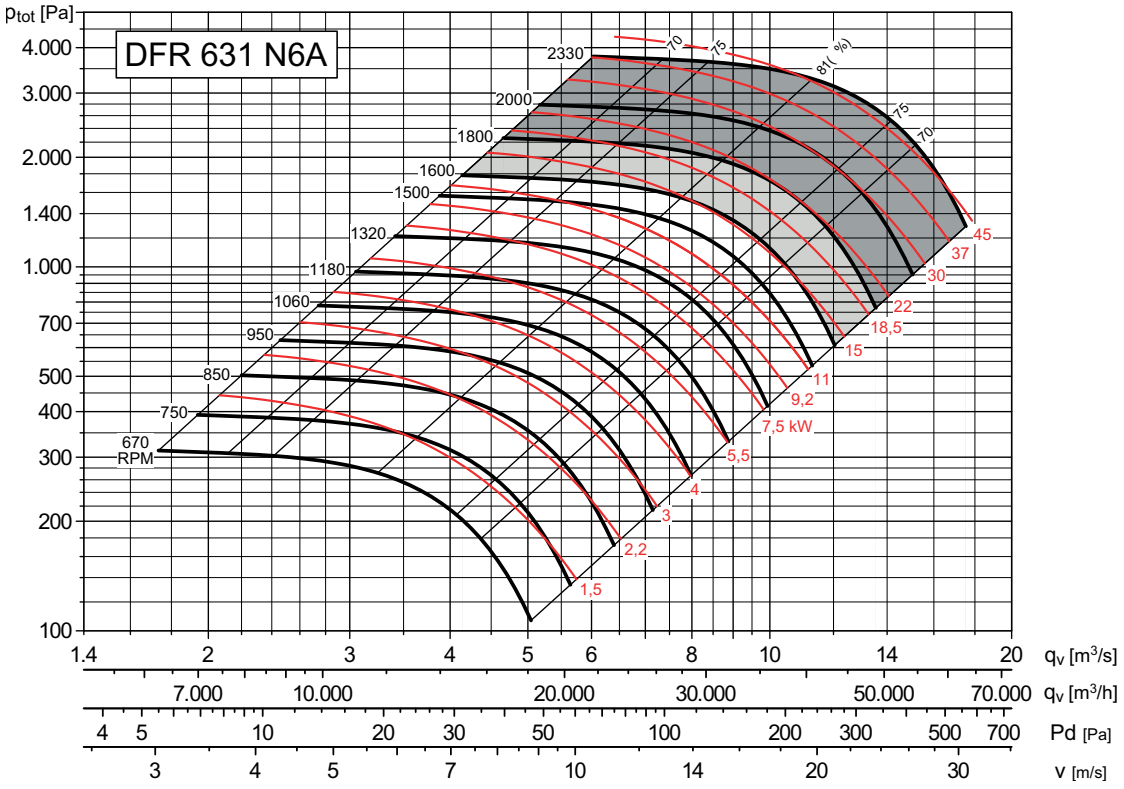

| MAX. RPM | Clase 1 | Clase 2 | Clase 3 |
|---|---|---|---|
| ≤ 40°C | 2000 | 2500 | 2900 |
| 41 ÷ 60°C | 1900 | 2320 | 2760 |



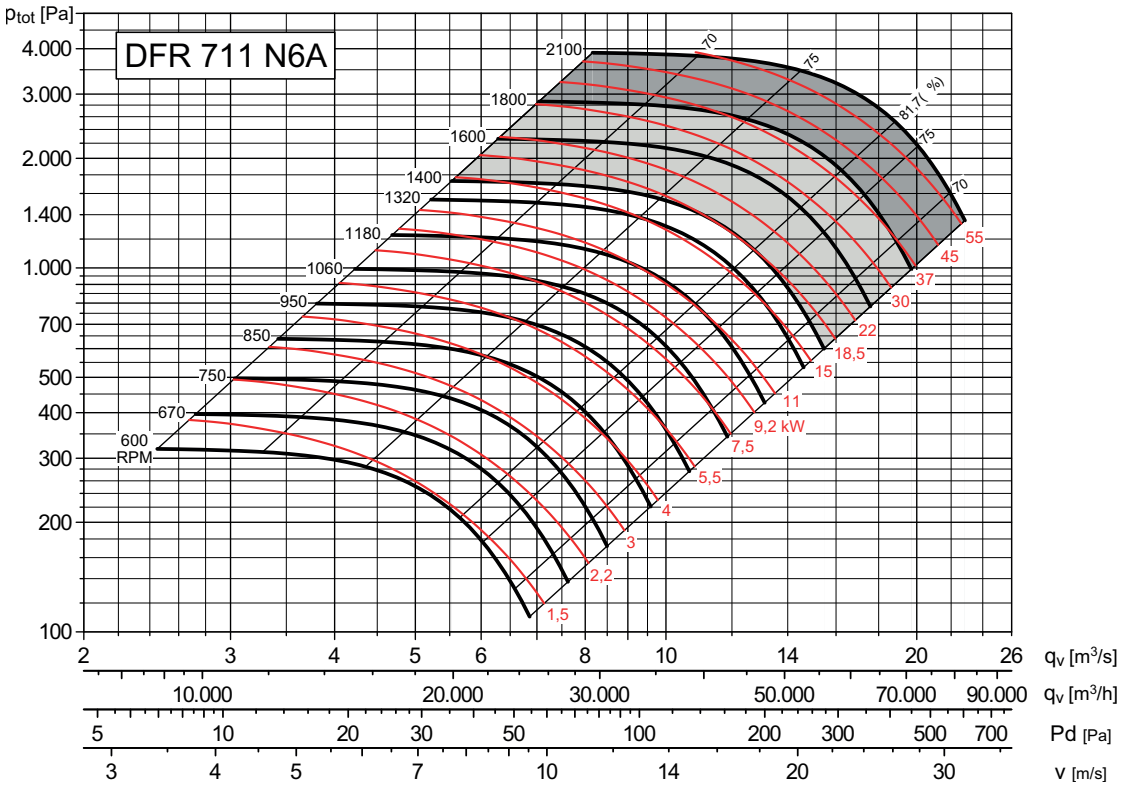

| MAX. RPM | Clase 1 | Clase 2 | Clase 3 |
|---|---|---|---|
| ≤ 40°C | 1800 | 2240 | 2600 |
| 41 ÷ 60°C | 1700 | 2120 | 2470 |

## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**



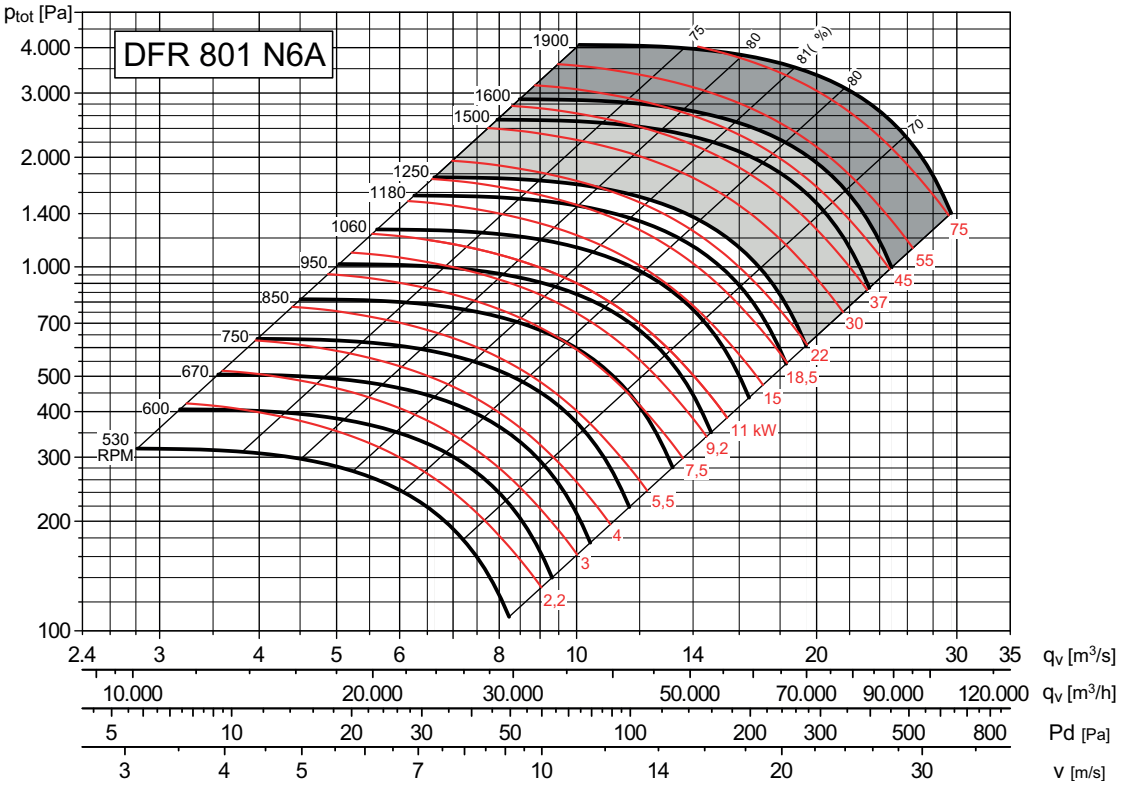

| MAX. RPM | Clase 1 | Clase 2 | Clase 3 |
|---|---|---|---|
| ≤ 40°C | 1600 | 1800 | 2330 |
| 41 ÷ 60°C | 1500 | 1700 | 2150 |



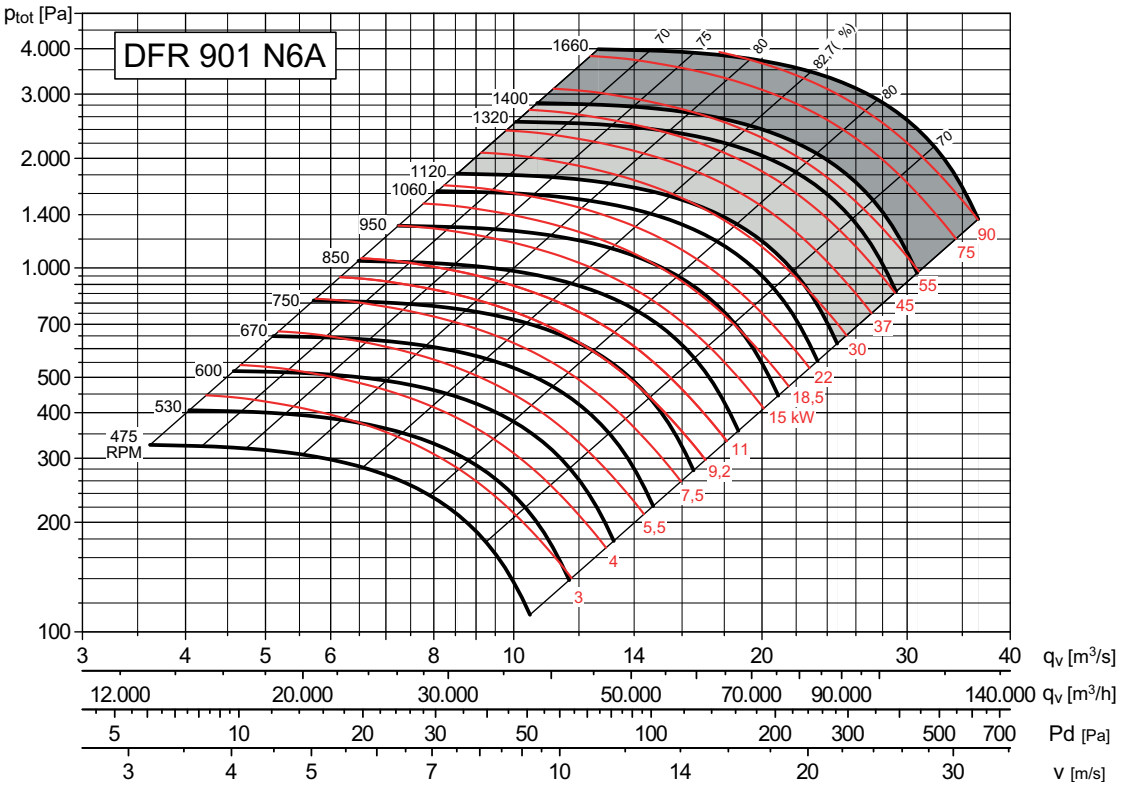

| MAX. RPM | Clase 1 | Clase 2 | Clase 3 |
|---|---|---|---|
| ≤ 40°C | 1400 | 1800 | 2100 |
| 41 ÷ 60°C | 1320 | 1700 | 1990 |

## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**



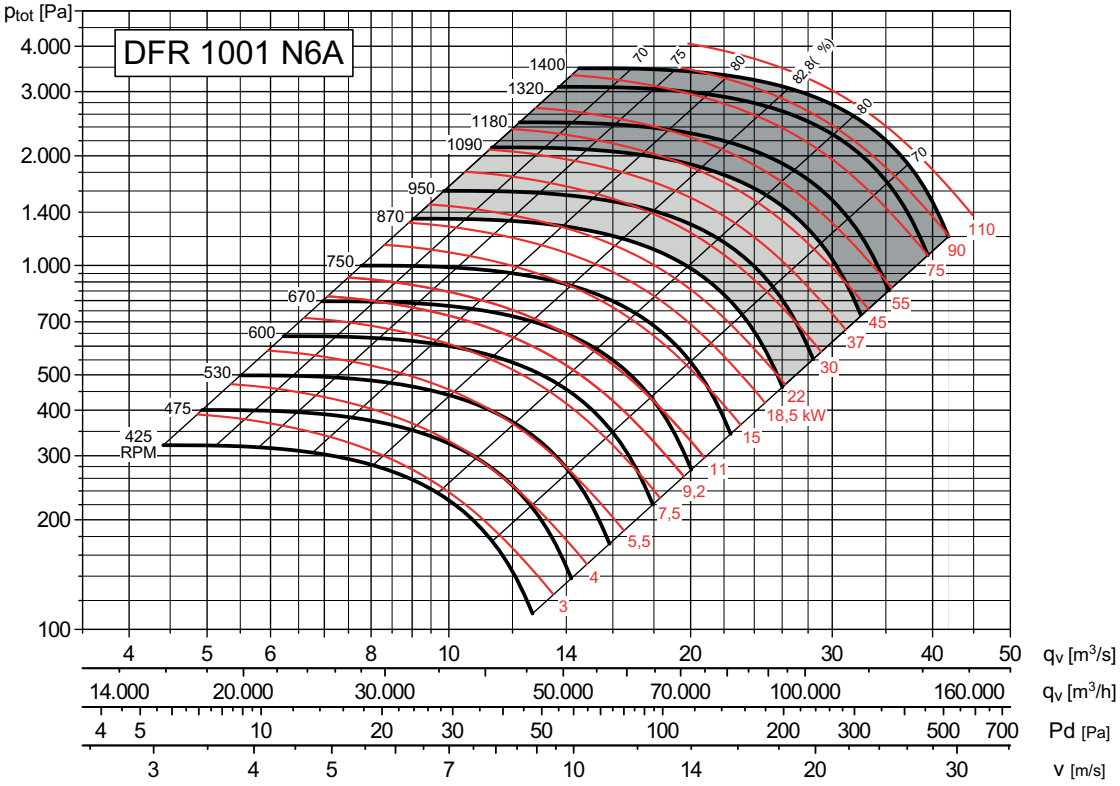

| MAX. RPM | Clase 1 | Clase 2 | Clase 3 |
|---|---|---|---|
| ≤ 40°C | 1250 | 1600 | 1900 |
| 41 ÷ 60°C | 1180 | 1500 | 1800 |



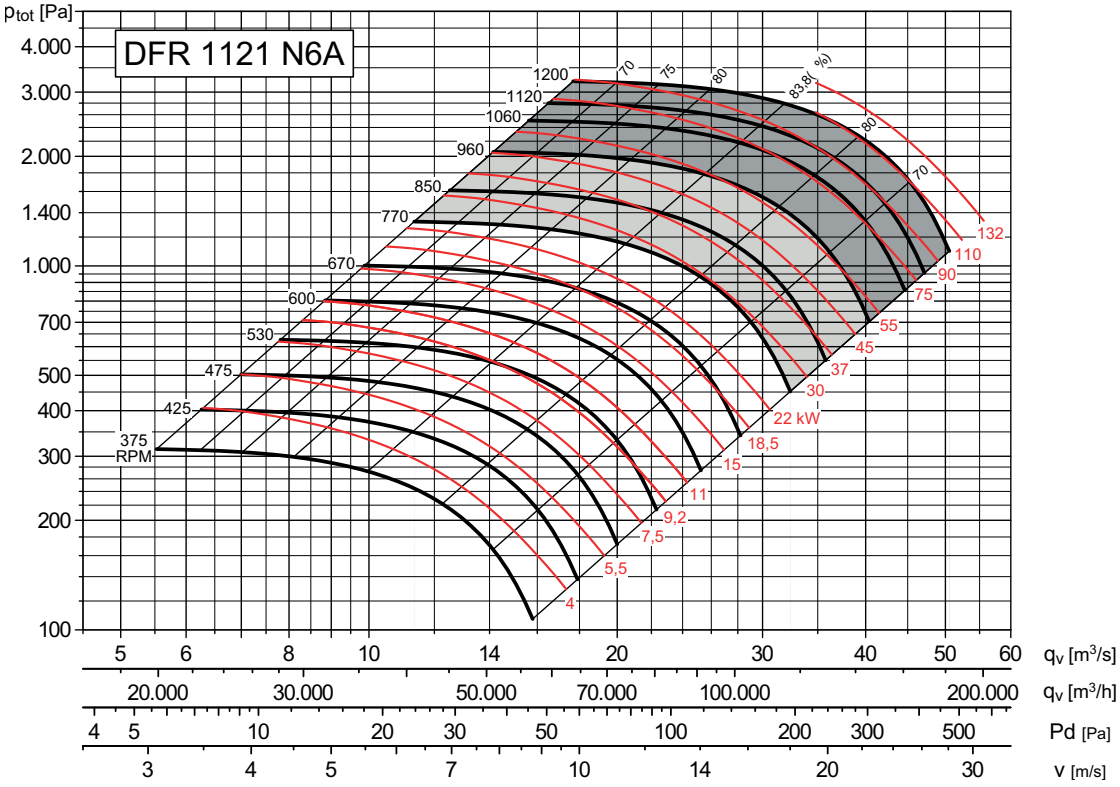

| MAX. RPM | Clase 1 | Clase 2 | Clase 3 |
|---|---|---|---|
| ≤ 40°C | 1120 | 1400 | 1660 |
| 41 ÷ 60°C | 1060 | 1320 | 1570 |

## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**



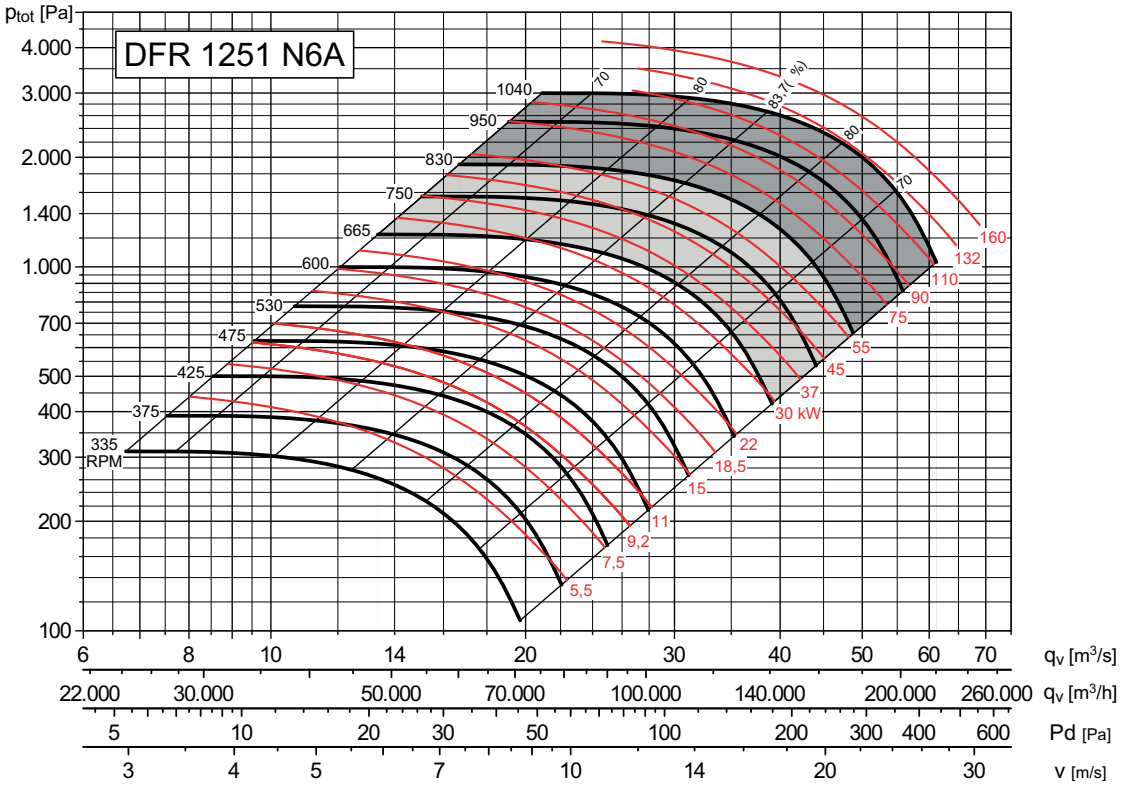

| MAX. RPM | Clase 1 | Clase 2 | Clase 3 |
|---|---|---|---|
| ≤ 40°C | 870 | 1090 | 1400 |
| 41 ÷ 60°C | 820 | 1030 | 1300 |



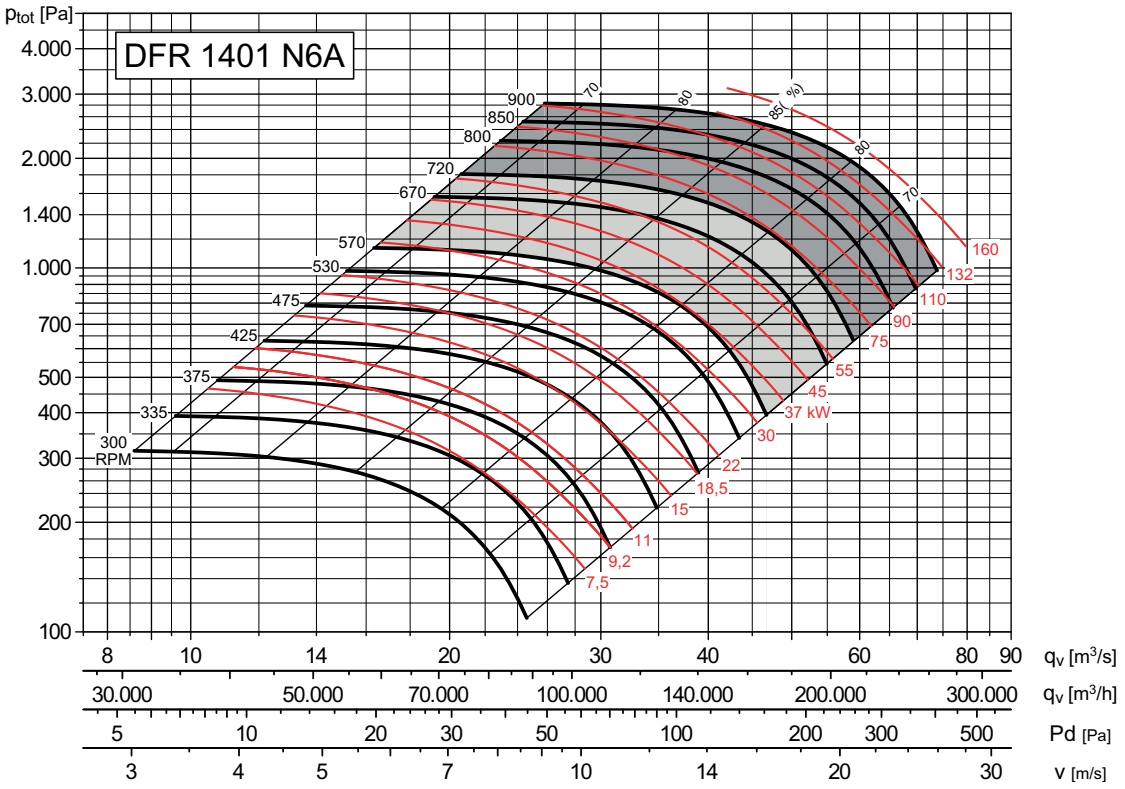

| MAX. RPM | Clase 1 | Clase 2 | Clase 3 |
|---|---|---|---|
| ≤ 40°C | 770 | 960 | 1200 |
| 41 ÷ 60°C | 730 | 910 | 1130 |

## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**



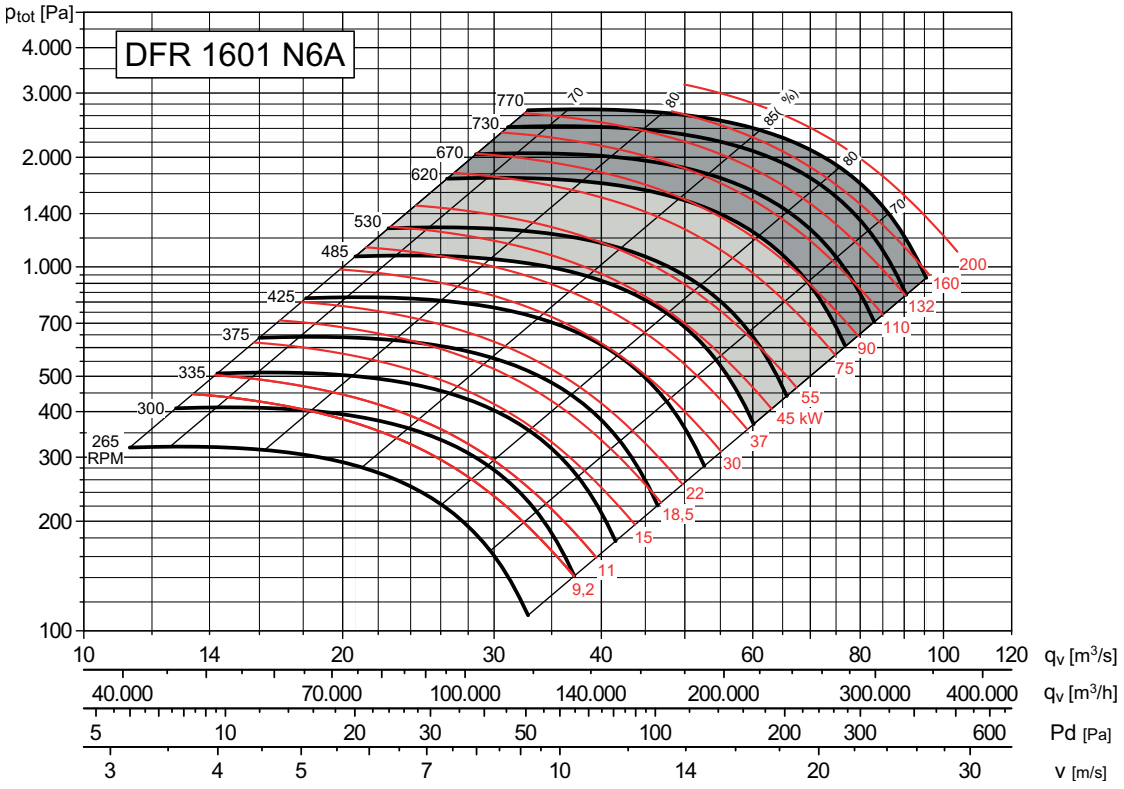

| MAX. RPM | Clase 1 | Clase 2 | Clase 3 |
|---|---|---|---|
| ≤ 40°C | 665 | 830 | 1040 |
| 41 ÷ 60°C | 620 | 790 | 980 |



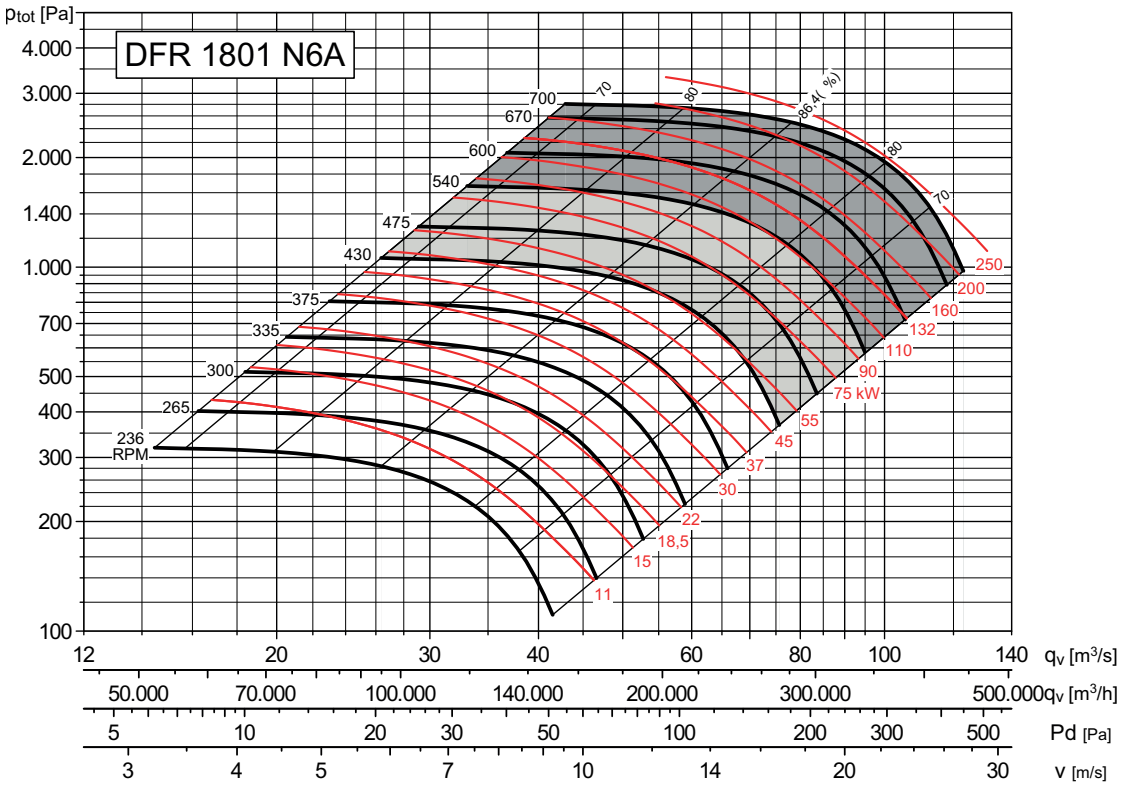

| MAX. RPM | Clase 1 | Clase 2 | Clase 3 |
|---|---|---|---|
| ≤ 40°C | 570 | 720 | 900 |
| 41 ÷ 60°C | 535 | 680 | 850 |

## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**



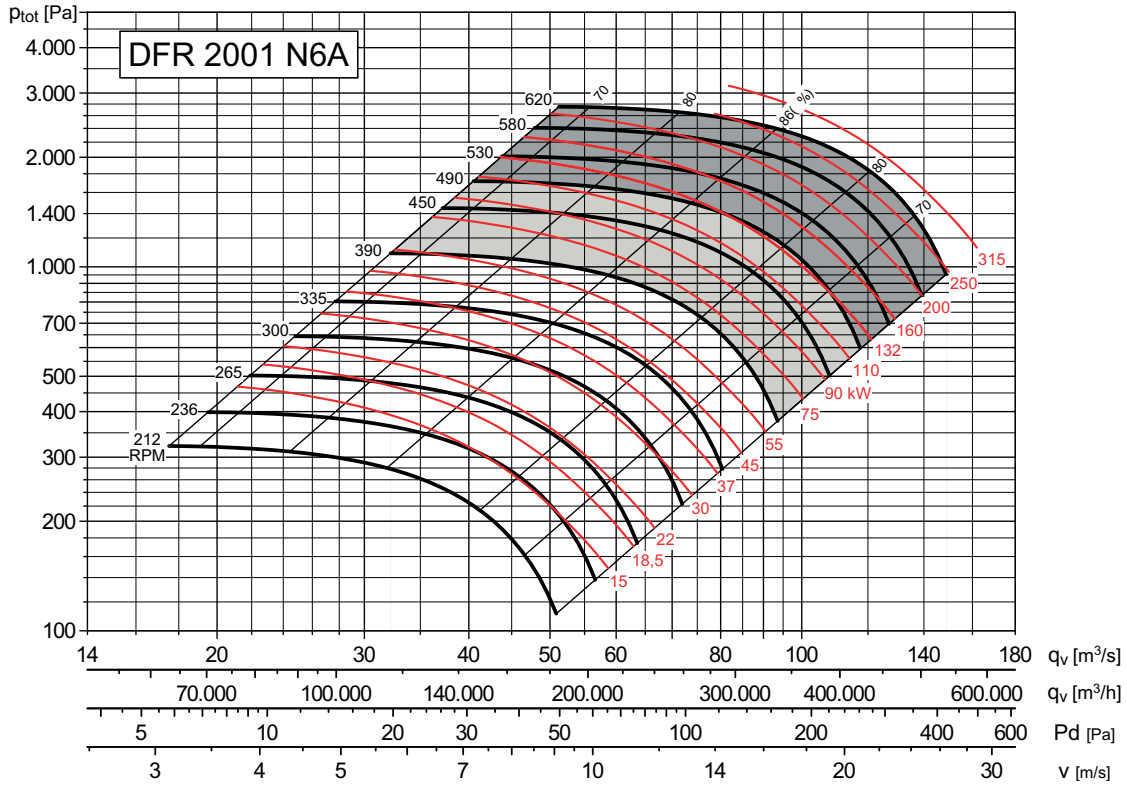

| MAX. RPM | Clase 1 | Clase 2 | Clase 3 |
|---|---|---|---|
| ≤ 40°C | 485 | 620 | 770 |
| 41 ÷ 60°C | 460 | 580 | 730 |




| MAX. RPM | Clase 1 | Clase 2 | Clase 3 |
|---|---|---|---|
| ≤ 40°C | 430 | 540 | 700 |
| 41 ÷ 60°C | 410 | 515 | 655 |

## CURVAS CARACTERÍSTICAS (a la descarga)

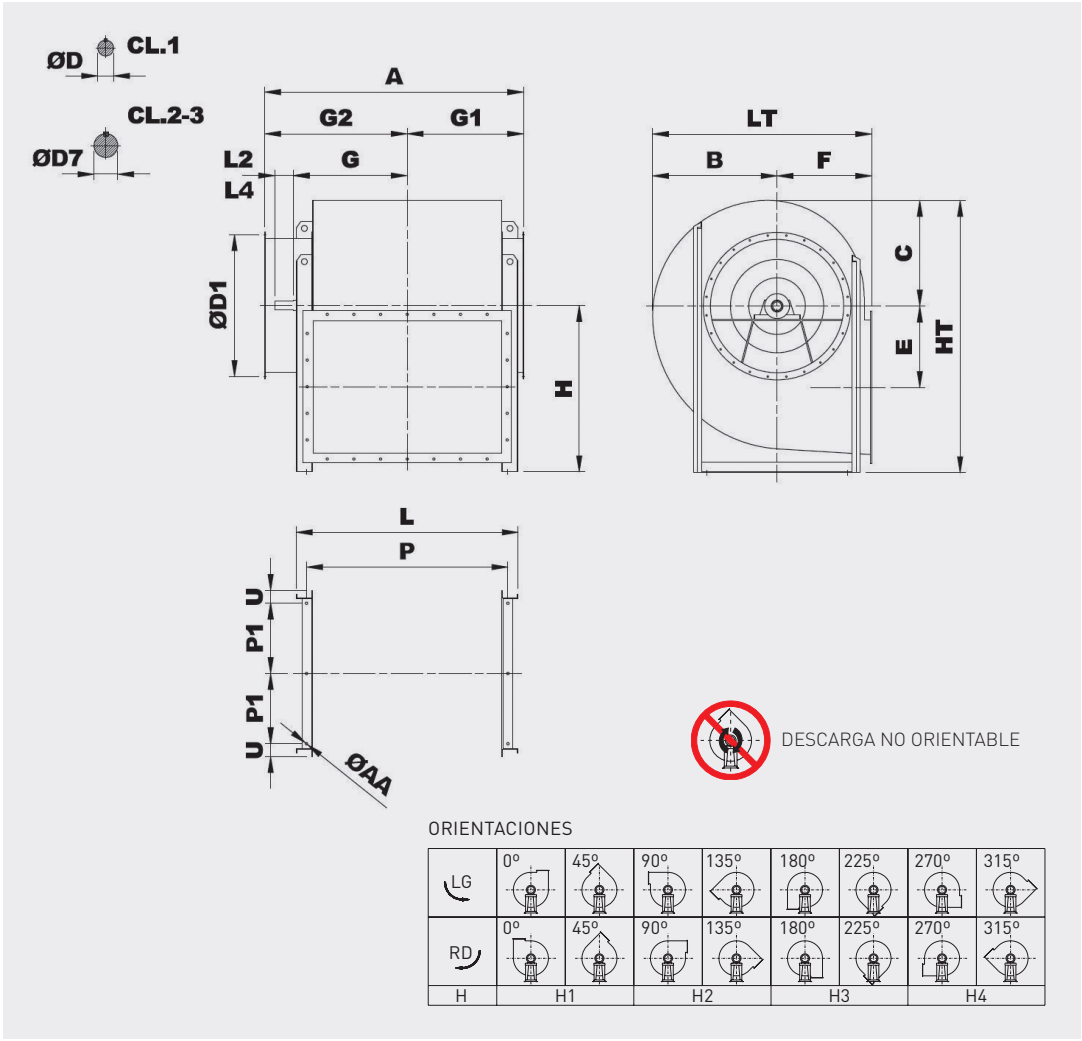
**– Ptot: Presión total en Pa**




| MAX. RPM | Clase 1 | Clase 2 | Clase 3 |
|---|---|---|---|
| ≤ 40°C | 390 | 490 | 620 |
| 41 ÷ 60°C | 365 | 460 | 580 |

## DIMENSIONES (mm)

Ejecución 6



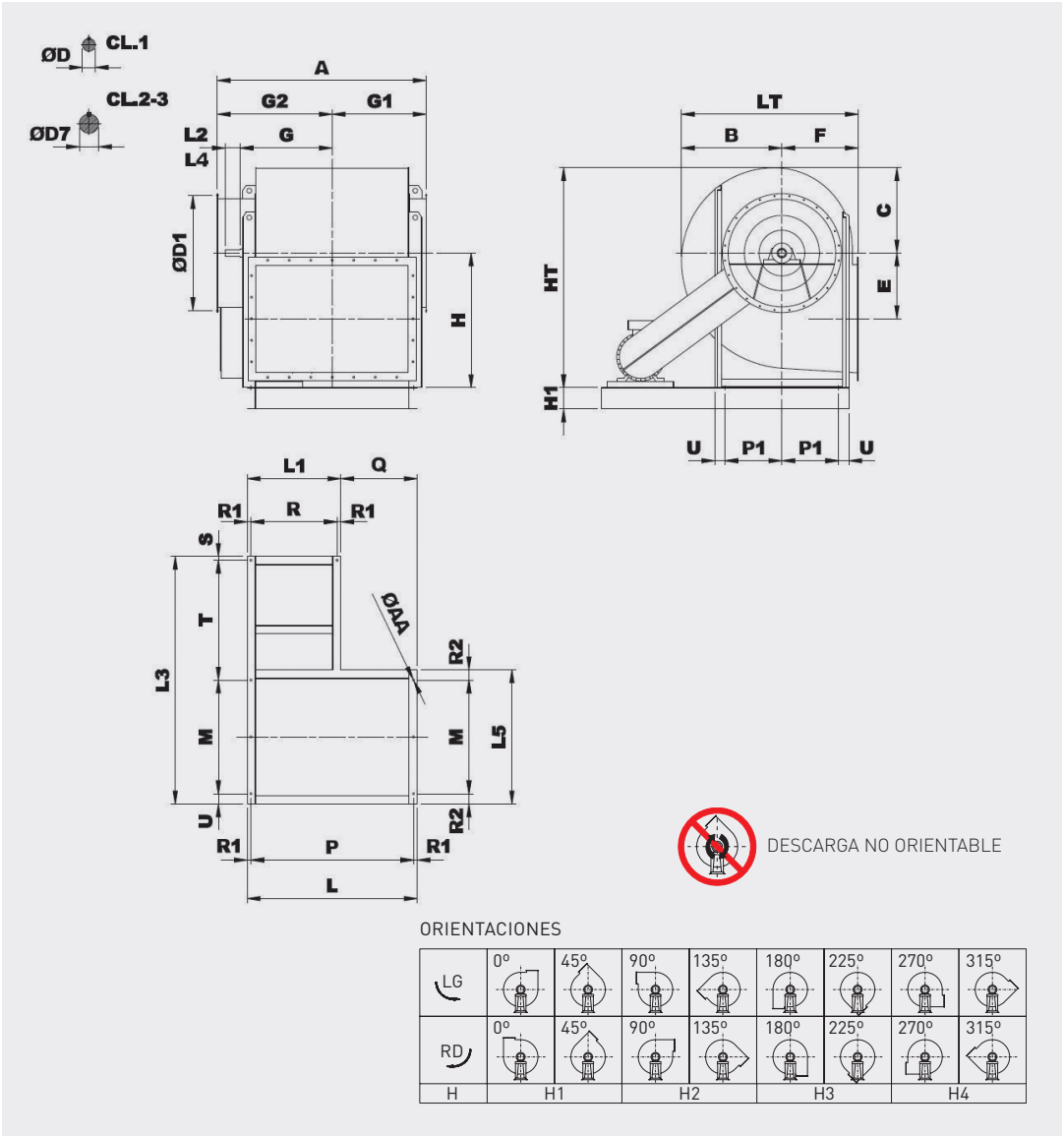

| Modelo | A | B | C | ØD1 | E | F | G | G1 | G2 | H | | | | HT | LT | Eje | | | | Base | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | H1 | H2 | H3 | H4 | | | ØD | ØD7 | L2 | L4 | L | P | P1 | U | ØAA |
| DFR 401 N6A | 895 | 375 | 330 | 448 | 243 | 285 | 367 | 380 | 515 | 500 | 500 | 285 | 500 | 830 | 660 | 28 | 38 | 60 CL1 | 80 CL2-3 | 695 | 635 | 217 | 70 | 14 |
| DFR 451 N6A | 990 | 425 | 370 | 497 | 273 | 320 | 406 | 415 | 575 | 560 | 560 | 320 | 560 | 930 | 745 | 32 | 42 | 80 CL1 | 110 CL2-3 | 764 | 704 | 242 | 70 | 14 |
| DFR 501 N6A | 1080 | 470 | 410 | 551 | 301 | 360 | 455 | 465 | 615 | 630 | 630 | 360 | 630 | 1040 | 830 | 38 | 48 | 80 CL 1 | 110 CL2-3 | 841 | 781 | 267 | 70 | 14 |
| DFR 561 N6A | 1190 | 525 | 455 | 629 | 331 | 400 | 508 | 505 | 685 | 530 | 475 | 400 | 710 | 1165 | 925 | 38 | 48 | 80 CL1 | 110 CL2-3 | 927 | 867 | 308 | 70 | 17 |
| DFR 631 N6A | 1300 | 590 | 515 | 698 | 375 | 450 | 557 | 565 | 735 | 600 | 530 | 450 | 800 | 1315 | 1040 | 42 | 55 | 110 CL1-2-3 | – | 1024 | 964 | 343 | 70 | 17 |
| DFR 711 N6A | 1490 | 665 | 565 | 775 | 431 | 500 | 626 | 665 | 825 | 670 | 600 | 500 | 850 | 1415 | 1165 | 48 | 60 | 110 CL1 | 140 CL2-3 | 1153 | 1083 | 386 | 80 | 19 |
| DFR 801 N6A | 1615 | 740 | 630 | 861 | 482 | 560 | 693 | 730 | 885 | 750 | 670 | 560 | 1000 | 1630 | 1300 | 55 | 65 | 110 CL1 | 140 CL2-3 | 1276 | 1206 | 431 | 80 | 19 |
| DFR 901 N6A | 1790 | 830 | 705 | 958 | 543 | 630 | 776 | 795 | 995 | 850 | 710 | 630 | 1120 | 1825 | 1460 | 60 | 75 | 140 CL1-2-3 | – | 1413 | 1343 | 481 | 90 | 19 |
| DFR 1001 N6A | 1945 | 935 | 795 | 1067 | 610 | 710 | 855 | 875 | 1070 | 950 | 800 | 710 | 1250 | 2045 | 1645 | 65 | 75 | 140 CL1-2-3 | – | 1581 | 1511 | 528 | 95 | 19 |
| DFR 1121 N6A | 2160 | 1065 | 895 | 1200 | 683 | 800 | 952 | 960 | 1200 | 1060 | 900 | 800 | 1400 | 2295 | 1865 | 75 | 80 | 140 CL1 | 170 CL2-3 | 1793 | 1703 | 589 | 105 | 24 |
| DFR 1251 N6A | 2360 | 1185 | 1005 | 1337 | 770 | 900 | 1056 | 1065 | 1305 | 1180 | 1060 | 900 | 1500 | 2505 | 2085 | 80 | 90 | 170 CL1-2-3 | – | 1986 | 1896 | 655 | 105 | 24 |
| DFR 1401 N6A | 2620 | 1515 | 1115 | 1491 | 854 | 1000 | 1175 | 1165 | 1455 | 1320 | 1120 | 1000 | 1700 | 2815 | 2515 | 90 | 100 | 170 CL1 | 210 CL2-3 | 2243 | 2133 | 725 | 135 | 24 |
| DFR 1601 N6A | 2890 | 1670 | 1245 | 1663 | 956 | 1120 | 1308 | 1310 | 1580 | 1500 | 1250 | 1120 | 1900 | 3145 | 2790 | 100 | 110 | 210 CL1-2-3 | – | 2488 | 2378 | 820 | 135 | 28 |
| DFR 1801 N6A | 3210 | 1860 | 1390 | 1856 | 1066 | 1250 | 1445 | 1445 | 1765 | 1650 | 1400 | 1250 | 2100 | 3510 | 3110 | 110 | 120 | 210 CL1-2-3 | – | 2781 | 2661 | 915 | 160 | 28 |
| DFR 2001 N6A | 3530 | 2055 | 1555 | 2073 | 1195 | 1400 | 1590 | 1615 | 1915 | 1850 | 1600 | 1400 | 2360 | 3915 | 3455 | 120 | 130 | 210 CL1-2-3 | – | 3070 | 2950 | 1015 | 160 | 28 |

LG0 - RD0
LG90 - RD90
LG270 - RD270

Sólo para estas orientaciones. Consultar con oficina técnica para diferentes posiciones

## DIMENSIONES (mm)

Ejecución 18




| Modelo | A | B | C | ØD1 | E | F | G | G1 | G2 | H | | | | HT | LT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | H1 | H2 | H3 | H4 | | |
| DFR 401 N18A | 895 | 375 | 330 | 448 | 243 | 285 | 367 | 380 | 515 | 500 | 500 | 285 | 500 | 830 | 660 |
| DFR 451 N18A | 990 | 425 | 370 | 497 | 273 | 320 | 406 | 415 | 575 | 560 | 560 | 320 | 560 | 930 | 745 |
| DFR 501 N18A | 1080 | 470 | 410 | 551 | 301 | 360 | 455 | 465 | 615 | 630 | 630 | 360 | 630 | 1040 | 830 |
| DFR 561 N18A | 1190 | 525 | 455 | 629 | 331 | 400 | 508 | 505 | 685 | 530 | 475 | 400 | 710 | 1165 | 925 |
| DFR 631 N18A | 1300 | 590 | 515 | 698 | 375 | 450 | 557 | 565 | 735 | 600 | 530 | 450 | 800 | 1315 | 1040 |
| DFR 711 N18A | 1490 | 665 | 565 | 775 | 431 | 500 | 626 | 665 | 825 | 670 | 600 | 500 | 850 | 1415 | 1165 |
| DFR 801 N18A | 1615 | 740 | 630 | 861 | 482 | 560 | 693 | 730 | 885 | 750 | 670 | 560 | 1000 | 1630 | 1300 |
| DFR 901 N18A | 1790 | 830 | 705 | 958 | 543 | 630 | 776 | 795 | 995 | 850 | 710 | 630 | 1120 | 1825 | 1460 |
| DFR 1001 N18A | 1945 | 935 | 795 | 1067 | 610 | 710 | 855 | 875 | 1070 | 950 | 800 | 710 | 1250 | 2045 | 1645 |
| DFR 1121 N18A | 2160 | 1065 | 895 | 1200 | 683 | 800 | 952 | 960 | 1200 | 1060 | 900 | 800 | 1400 | 2295 | 1865 |
| DFR 1251 N18A | 2360 | 1185 | 1005 | 1337 | 770 | 900 | 1056 | 1065 | 1305 | 1180 | 1060 | 900 | 1500 | 2505 | 2085 |
| DFR 1401 N18A | 2620 | 1515 | 1115 | 1491 | 854 | 1000 | 1175 | 1165 | 1455 | 1320 | 1120 | 1000 | 1700 | 2815 | 2515 |
| DFR 1601 N18A | 2890 | 1670 | 1245 | 1663 | 956 | 1120 | 1308 | 1310 | 1580 | 1500 | 1250 | 1120 | 1900 | 3145 | 2790 |
| DFR 1801 N18A | 3210 | 1860 | 1390 | 1856 | 1066 | 1250 | 1445 | 1445 | 1765 | 1650 | 1400 | 1250 | 2100 | 3510 | 3110 |
| DFR 2001 N18A | 3530 | 2055 | 1555 | 2073 | 1195 | 1400 | 1590 | 1615 | 1915 | 1850 | 1600 | 1400 | 2360 | 3915 | 3455 |

| Eje | ØD | ØD7 | L2 | L4 |
|---|---|---|---|---|
| DFR 401 N18A | 28 | 38 | 60 CL1 | 80 CL2-3 |
| DFR 451 N18A | 32 | 42 | 80 CL1 | 110 CL2-3 |
| DFR 501 N18A | 38 | 48 | 80 CL 1 | 110 CL2-3 |
| DFR 561 N18A | 38 | 48 | 80 CL1 | 110 CL2-3 |
| DFR 631 N18A | 42 | 55 | 110 CL1-2-3 | – |
| DFR 711 N18A | 48 | 60 | 110 CL1 | 140 CL2-3 |
| DFR 801 N18A | 55 | 65 | 110 CL1 | 140 CL2-3 |
| DFR 901 N18A | 60 | 75 | 140 CL1-2-3 | – |
| DFR 1001 N18A | 65 | 75 | 140 CL1-2-3 | – |
| DFR 1121 N18A | 75 | 80 | 140 CL1 | 170 CL2-3 |
| DFR 1251 N18A | 80 | 90 | 170 CL1-2-3 | – |
| DFR 1401 N18A | 90 | 100 | 170 CL1 | 210 CL2-3 |
| DFR 1601 N18A | 100 | 110 | 210 CL1-2-3 | – |
| DFR 1801 N18A | 110 | 120 | 210 CL1-2-3 | – |
| DFR 2001 N18A | 120 | 130 | 210 CL1-2-3 | – |

| Base[1] | L | H1 | P | L1 | P1 | L3 | L5 | M | Q | R | R1 | S | T | U | ØAA | R2 | Peso (kg)[2] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DFR 401 N18A | 695 | 160 | 635 | 510 | 217 | 1250 | 574 | 434 | 185 | 450 | 30 | 30 | 716 | 70 | 14 | 70 | 37 |
| DFR 451 N18A | 764 | 160 | 704 | 560 | 242 | 1320 | 624 | 484 | 204 | 500 | 30 | 30 | 736 | 70 | 14 | 70 | 40 |
| DFR 501 N18A | 841 | 160 | 781 | 620 | 267 | 1400 | 674 | 534 | 221 | 560 | 30 | 30 | 766 | 70 | 14 | 70 | 43 |
| DFR 561 N18A | 927 | 160 | 867 | 690 | 308 | 1500 | 756 | 616 | 237 | 630 | 30 | 30 | 784 | 70 | 17 | 70 | 48 |
| DFR 631 N18A | 1024 | 160 | 964 | 770 | 343 | 1700 | 826 | 686 | 254 | 710 | 30 | 30 | 914 | 70 | 17 | 70 | 54 |
| DFR 711 N18A | 1153 | 180 | 1083 | 780 | 386 | 1900 | 932 | 772 | 373 | 710 | 35 | 35 | 1013 | 80 | 19 | 80 | 89 |
| DFR 801 N18A | 1276 | 180 | 1206 | 780 | 431 | 2000 | 1022 | 862 | 496 | 710 | 35 | 35 | 1023 | 80 | 19 | 80 | 93 |
| DFR 901 N18A | 1413 | 180 | 1343 | 870 | 481 | 2180 | 1142 | 962 | 543 | 800 | 35 | 35 | 1093 | 90 | 19 | 90 | 101 |
| DFR 1001 N18A | 1581 | 200 | 1511 | 870 | 528 | 2300 | 1246 | 1056 | 711 | 800 | 35 | 35 | 1114 | 95 | 19 | 95 | 117 |
| DFR 1121 N18A | 1793 | 220 | 1703 | 890 | 589 | 2450 | 1388 | 1178 | 903 | 800 | 45 | 45 | 1122 | 105 | 24 | 105 | 184 |
| DFR 1251 N18A | 1986 | 220 | 1896 | 890 | 655 | 2650 | 1520 | 1310 | 1096 | 800 | 45 | 45 | 1190 | 105 | 24 | 105 | 195 |
| DFR 1401 N18A | 2243 | 220 | 2133 | 960 | 725 | 2800 | 1720 | 1450 | 1283 | 850 | 55 | 55 | 1160 | 135 | 24 | 135 | 235 |
| DFR 1601 N18A | 2488 | 220 | 2378 | 960 | 820 | 3000 | 1910 | 1640 | 1528 | 850 | 55 | 55 | 1170 | 135 | 28 | 135 | 247 |
| DFR 1801 N18A | 2781 | 250 | 2661 | 1020 | 915 | 3250 | 2150 | 1830 | 1761 | 900 | 60 | 60 | 1200 | 160 | 28 | 160 | - |
| DFR 2001 N18A | 3070 | 250 | 2950 | 1020 | 1015 | 3550 | 2350 | 2030 | 2050 | 900 | 60 | 60 | 1300 | 160 | 28 | 160 | - |

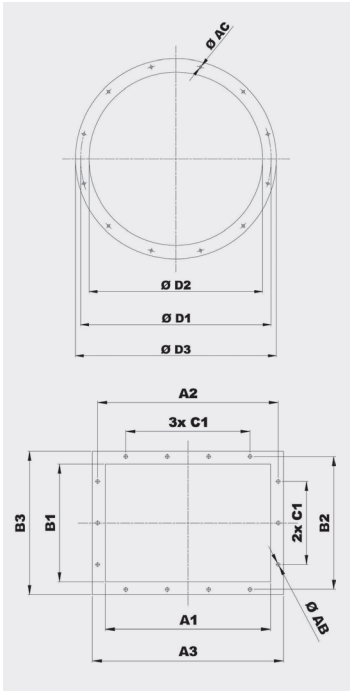
[1] Para los ventiladores con orientaciones 180º y 225º, contactar con oficina técnica
[2] Peso de la base

LG0 - RD0
LG90 - RD90
LG270 - RD270

Sólo para estas orientaciones. Consultar con oficina técnica para diferentes posiciones

## DIMENSIONES (mm)

Ejecución 18




Brida aspiración

| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 401 | 400 | 448 | 405 | 485 | 10 | 12 |
| 451 | 450 | 497 | 455 | 535 | 10 | 12 |
| 501 | 500 | 551 | 505 | 585 | 10 | 12 |
| 561 | 560 | 629 | 566 | 666 | 10 | 12 |
| 631 | 630 | 698 | 636 | 736 | 10 | 12 |
| 711 | 710 | 775 | 716 | 816 | 12 | 16 |
| 801 | 800 | 861 | 806 | 906 | 12 | 16 |
| 901 | 900 | 958 | 906 | 1006 | 12 | 16 |
| 1001 | 1000 | 1067 | 1007 | 1107 | 12 | 24 |
| 1121 | 1120 | 1200 | 1128 | 1248 | 12 | 24 |
| 1251 | 1250 | 1337 | 1260 | 1380 | 12 | 24 |
| 1401 | 1400 | 1491 | 1420 | 1540 | 12 | 32 |
| 1601 | 1600 | 1663 | 1610 | 1730 | 14 | 32 |
| 1801 | 1800 | 1856 | 1810 | 1930 | 14 | 32 |
| 2001 | 2000 | 2073 | 2010 | 2130 | 14 | 32 |

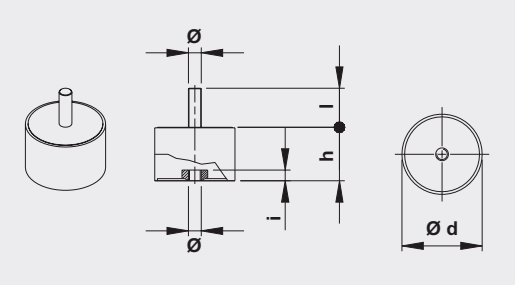
Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 401 | 560x400 | 569 | 404 | 629 | 464 | 669 | 504 | 160 | 14 | 4+4 | 3+3 |
| 451 | 630x450 | 638 | 453 | 698 | 513 | 738 | 553 | 160 | 14 | 4+4 | 3+3 |
| 501 | 710x500 | 715 | 507 | 775 | 567 | 815 | 607 | 160 | 14 | 5+5 | 3+3 |
| 561 | 800x560 | 801 | 569 | 871 | 639 | 921 | 689 | 200 | 14 | 4+4 | 3+3 |
| 631 | 900x630 | 898 | 638 | 968 | 708 | 1018 | 758 | 200 | 14 | 5+5 | 4+4 |
| 711 | 1000x710 | 1007 | 715 | 1077 | 785 | 1127 | 835 | 200 | 14 | 5+5 | 4+4 |
| 801 | 1120x800 | 1130 | 801 | 1210 | 881 | 1270 | 941 | 200 | 18 | 6+6 | 4+4 |
| 901 | 1250x900 | 1267 | 898 | 1347 | 978 | 1407 | 1038 | 200 | 18 | 7+7 | 5+5 |
| 1001 | 1400x1000 | 1421 | 1007 | 1501 | 1087 | 1561 | 1147 | 200 | 18 | 7+7 | 5+5 |
| 1121 | 1600x1120 | 1593 | 1130 | 1683 | 1220 | 1753 | 1290 | 200 | 22 | 8+8 | 6+6 |
| 1251 | 1800x1250 | 1786 | 1267 | 1876 | 1357 | 1946 | 1427 | 200 | 22 | 9+9 | 7+7 |
| 1401 | 2000x1400 | 2003 | 1421 | 2093 | 1511 | 2163 | 1581 | 200 | 22 | 10+10 | 7+7 |
| 1601 | 2240x1600 | 2248 | 1593 | 2348 | 1693 | 2428 | 1773 | 200 | 22 | 12+12 | 8+8 |
| 1801 | 2500x1800 | 2521 | 1786 | 2621 | 1886 | 2701 | 1966 | 200 | 22 | 13+13 | 9+9 |
| 2001 | 2800x2000 | 2810 | 2003 | 2910 | 2103 | 2990 | 2183 | 200 | 22 | 14+14 | 10+10 |

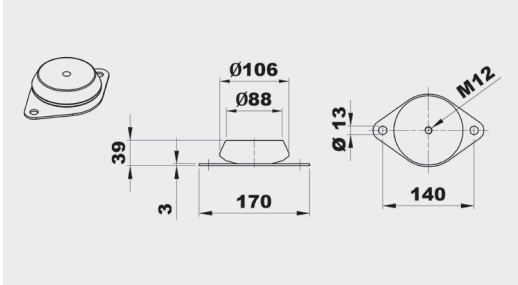
## AMORTIGUADORES

Amortiguadores recomendados

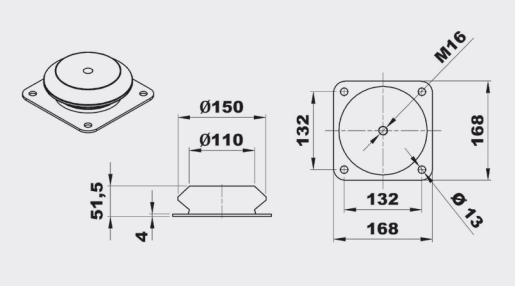
| Ventilador | Ejecución 9 | Ejecución 18 / Clase 1 | Ejecución 18 / Clase 2-3 |
|---|---|---|---|
| 401 | 4 x AM 30 - 30x30 | 6 x AM 30 - 30x30 | 6 x AM 40 - 40x30 |
| 451 | 4 x AM 40 - 40x30 | 6 x AM 40 - 40x30 | 6 x AM 50 - 50x40 |
| 501 | 4 x AM 40 - 40x30 | 6 x AM 40 - 40x30 | 6 x AM 50 - 50x40 |
| 561 | 4 x AM 50 - 50x40 | 6 x AM 50 - 50x40 | 6 x AM 75 - 75x50 |
| 631 | 4 x AM 50 - 50x40 | 6 x AM 50 - 50x40 | 6 x AM 75 - 75x50 |
| 711 | 4 x AM 75 - 75x50 | 6 x AM 75 - 75x50 | 6 x AZ 39 - 140x39 |
| 801 | 4 x AM 75 - 75x50 | 6 x AM 75 - 75x50 | 6 x AZ 39 - 140x39 |
| 901 | 4 x AZ 39 - 140x39 | 6 x AZ 39 - 140x39 | 6 x AZ 39 - 140x39 |
| 1001 | 4 x AZ 39 - 140x39 | 6 x AZ 39 - 140x39 | 6 x AZ 51 - 132x51 |
| 1121 | 4 x AZ 51 - 132x51 | 6 x AZ 51 - 132x51 | 6 x AZ 51 - 132x51 |
| 1251 | 4 x AZ 51 - 132x51 | 6 x AZ 51 - 132x51 | 6 x AZ 51 - 132x51 |
| 1401 | 4 x AZ 51 - 132x51 | 6 x AZ 51 - 132x51 | 6 x AZ 63 - 150x63 |
| 1601 | - | 6 x AZ 51 - 132x51 | 6 x AZ 63 - 150x63 |
| 1801 | - | 6 x AZ 63 - 150x63 | 6 x AZ 63 - 150x63 |
| 2001 | - | 6 x AZ 63 - 150x63 | 6 x AZ 63 - 150x63 |



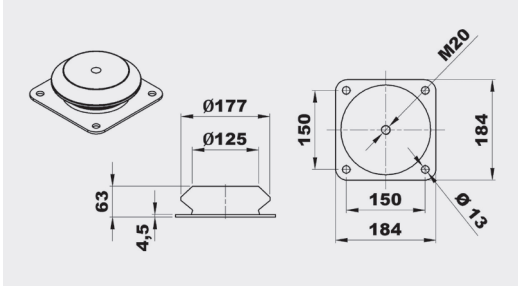

| Tipo | Carga para 4 soportes (kg) | d | h | Ø | l | Peso (kg) |
|---|---|---|---|---|---|---|
| AM 30 | 81÷140 | 30 | 30 | M8 | 20 | 0,05 |
| AM 40 | 141÷224 | 40 | 30 | M8 | 23 | 0,10 |
| AM 50 | 225÷315 | 50 | 40 | M10 | 28 | 0,20 |
| AM 75 | 316÷630 | 75 | 50 | M12 | 37 | 0,50 |




| Tipo | Carga para 4 soportes (kg) | Peso (kg) |
|---|---|---|
| AZ 39 | 631÷1250 | 0,7 |

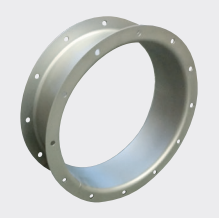



| Tipo | Carga para 4 soportes (kg) | Peso (kg) |
|---|---|---|
| AZ 51 | 1251÷2500 | 1,8 |

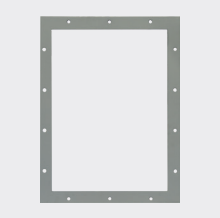



| Tipo | Carga para 4 soportes (kg) | Peso (kg) |
|---|---|---|
| AZ 63 | 2501÷5000 | 2,5 |

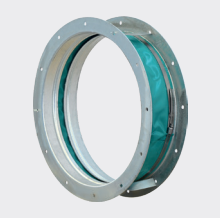
## ACCESORIOS



**CA (CFH1) - CFH2 - CFH3**
Contrabrida - Brida plana circular.



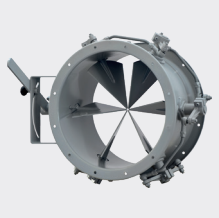
**CP**
Brida plana rectangular.



**GA**
Junta flexible aspiración.



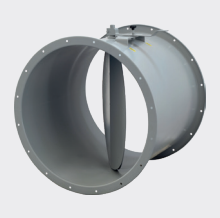
**GP**
Junta flexible descarga.



**DP**
Regulador de caudal de aspiración.



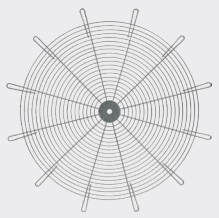
**SAD**
Compuerta de regulación de caudal de descarga.



**SF**
Vávula mariposa.



**DF**
Filtro en la aspiración.



**RC**
Rejilla de protección para la aspiración.



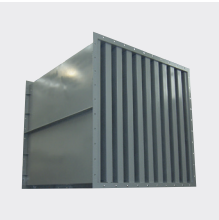
**AM/AZ**
Soportes antivibratorios.



**SCSO**
Silenciador cilíndrico.



**SCCO**
Silenciador cilíndrico con bulbo.



**SASS**
Silenciador rectangular.



**CI**
Cabina de insonorización.

Ver información completa en página **772**.

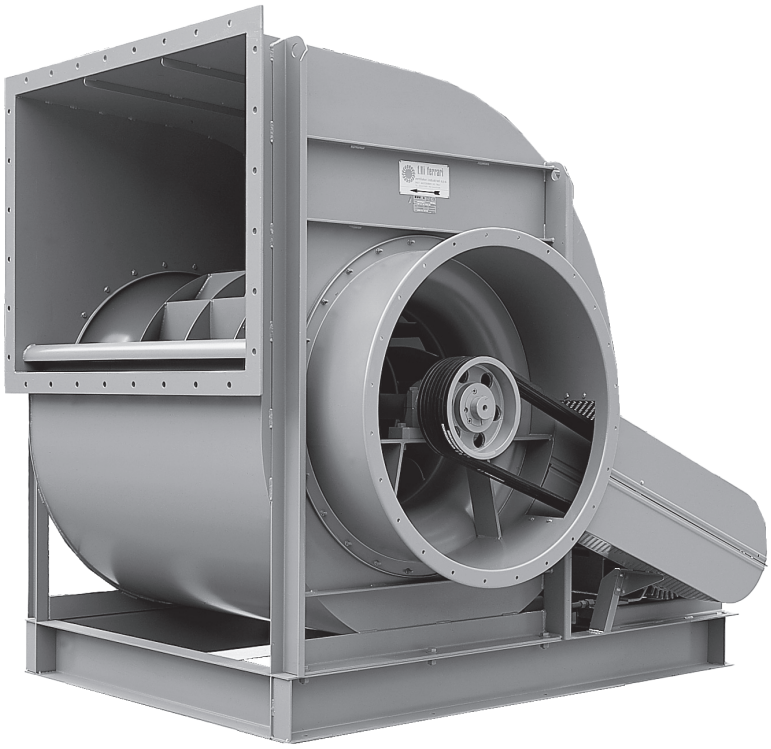
# DFM

## VENTILADORES CENTRÍFUGOS DE BAJA PRESIÓN

*TRANSMISIÓN*

ErP OK

Ventilador centrífugo con accionamiento por poleas y correas o junta. Fabricados en chapa de acero protegida contra la corrosión mediante tratamiento por cataforesis + pintura poliuretana. Temperaturas del aire a transportar -20ºC/+40ºC (60ºC con cojinetes C3) en continuo.



APLICACIONES

**Aire a transportar**
Aire limpio

**Cantidad de polvo (mg/m³)**
<50



Rodete de álabes curvados hacia atrás

### Sistemas de montaje

- SISTEMA 6: rodete montado en el eje con rodamientos en ambos lados de la carcasa, sostenidos por la misma carcasa.
- SISTEMA 17: Acoplamiento mediante junta. Ejecución normalmente igual al sistema 6, pero con base para el motor.
- SISTEMA 18: Generalmente como el sistema 6 pero incluyendo bancada común para el motor y el ventilador.
- SISTEMA 19: Generalmente como el sistema 6 pero con el motor soportado por la voluta.

### Motores

De 2, 4 o 6 polos, de alta eficiencia IE 3* (las r.p.m. de cada motor se adaptarán al cálculo de cada transmisión), tensión de alimentación trifásica 230/400V 50Hz hasta tamaño motor 112 y 400/690V 50Hz para motores de mayor dimensión. Protección IP55, Clase F.

* Entre 75 y 200kW, los motores suministrados serán IE4.

### Bajo pedido

- Fabricación en diferentes materiales constructivos.
- Motores de 2 velocidades.
- Versiones de 60 Hz.
- Pintura en diferentes RAL.
- Trampilla de inspección, purga de drenaje, distintos tipos de estanqueidad a nivel de voluta y de paso de eje.

### Versiones ATEX

Bajo pedido, versiones antiexplosivas según la Directiva ATEX para modelos trifásicos: Para trabajar a temperaturas de -20ºC a +60ºC, presión ambiente (absoluta) de 0,8 bar hasta 1,1 bar, según EN 14986.

- Gas:
  - Ex 3G IIB T2-T3
  - Ex 3G IIB+H2 T2-T3

## CARACTERÍSTICAS TÉCNICAS

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación

| Modelo | Caudal máximo ($m^3/h$) | Potencia motor máxima (kW) | Peso (kg)[1] | Momento de inercia ($kg \cdot m^2$)[2] |
|---|---|---|---|---|
| DFM 561 N6A | 40.980 | 75 | 215 | 1,5 |
| DFM 631 N6A | 50.630 | 90 | 253 | 2,3 |
| DFM 711 N6A | 66.930 | 110 | 369 | 4,6 |
| DFM 801 N6A | 85.180 | 132 | 457 | 7,6 |
| DFM 901 N6A | 108.860 | 160 | 600 | 13,7 |
| DFM 1001 N6A | 134.550 | 200 | 815 | 23,8 |
| DFM 1121 N6A | 184.280 | 250 | 1.150 | 39,0 |
| DFM 1251 N6A | 205.710 | 315 | 1.455 | 64,3 |

[1] Para ejecución 6 y orientación LG270 o RD270
[2] Momento de inercia del rodete

SOPORTES SISTEMA 6

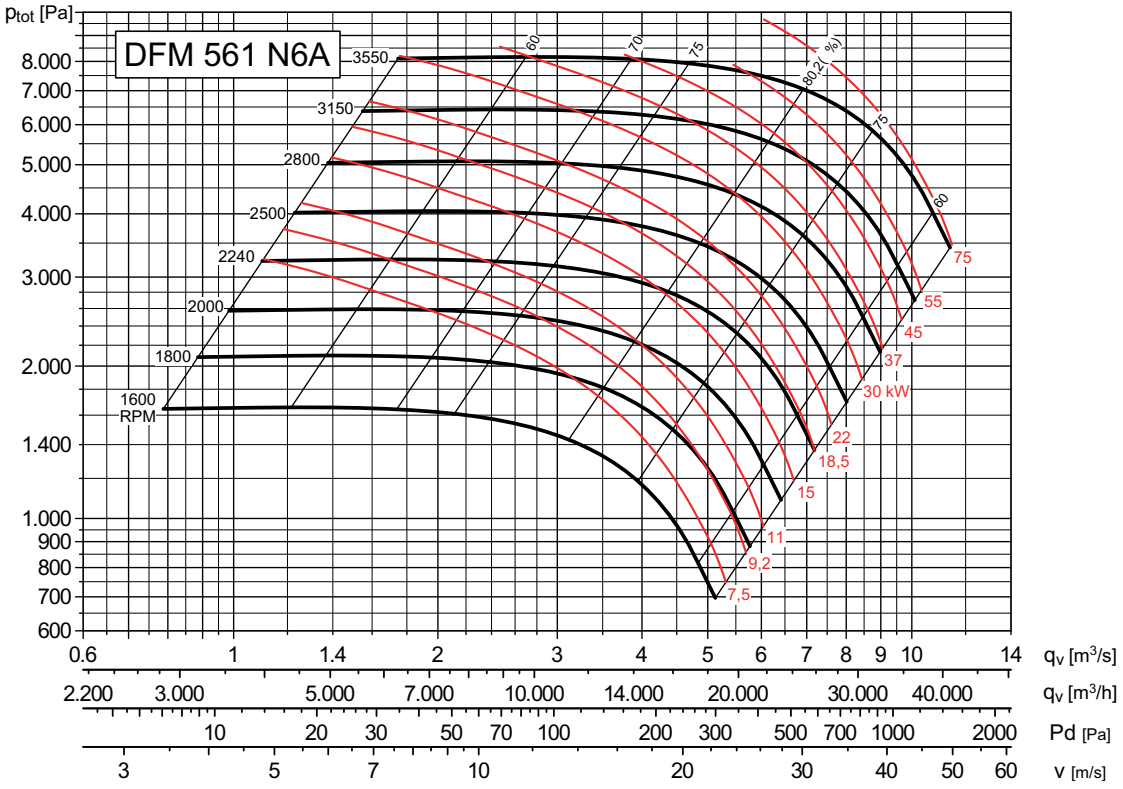
| Modelo | 561 | 631 | 711 | 801 | 901 | 1001 | 1121 | 1251 |
|---|---|---|---|---|---|---|---|---|
| Soporte tipo | SN 512 C60 / 48 | SN 513 C65 / 55 | SN 516 C75 / 60 | SN 517 C80 / 65 | SN 518 C90 / 75 | SN 520 C100 / 80 | SN 522 C110 / 90 | SN 524 C120 / 100 |

MOTORES SISTEMA 19

| Modelo | 561 | 631-711 | 801-901 | 1001 |
|---|---|---|---|---|
| Tamaño motor | ⩽ 132 M2 | ⩽ 160 L4 | ⩽ 180 L4 | ⩽ 200 L4 |

## CURVAS CARACTERÍSTICAS (a la descarga)

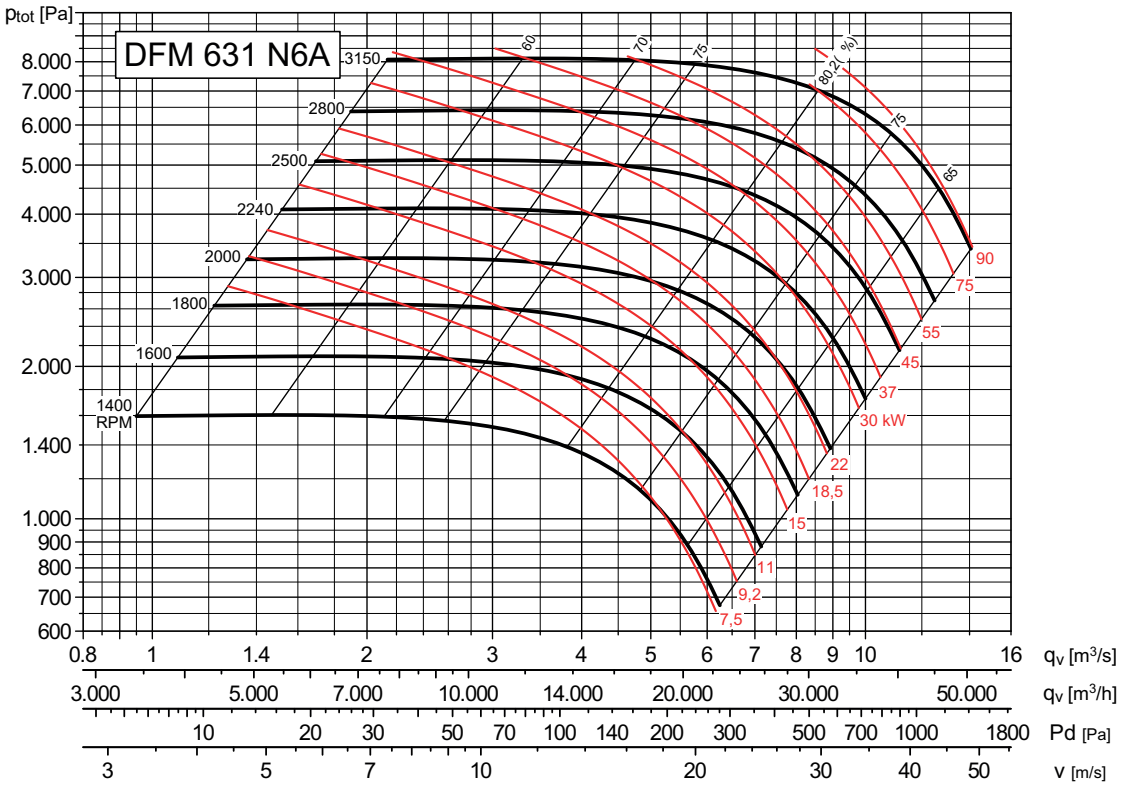
**– Ptot: Presión total en Pa**




MAX. RPM

≤ 40°C = 3200 rpm

41 ÷ 60°C = 2900 rpm



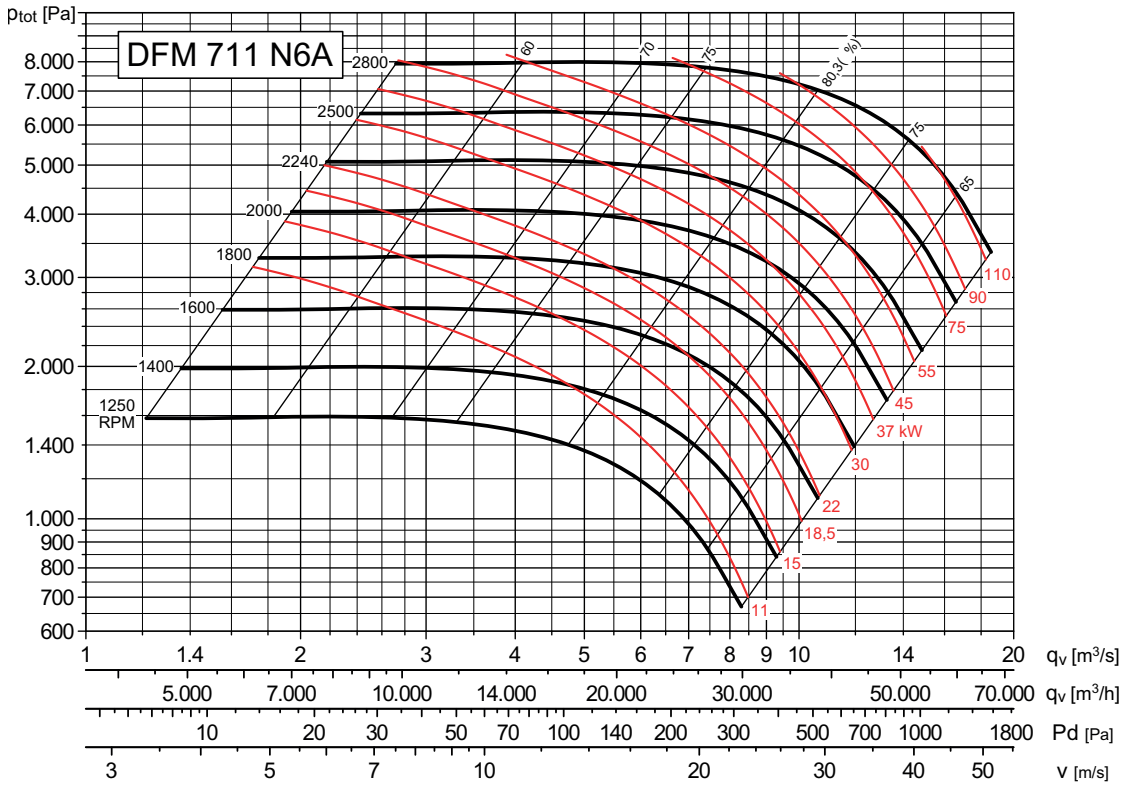

MAX. RPM

≤ 40°C = 3000 rpm

41 ÷ 60°C = 2700 rpm

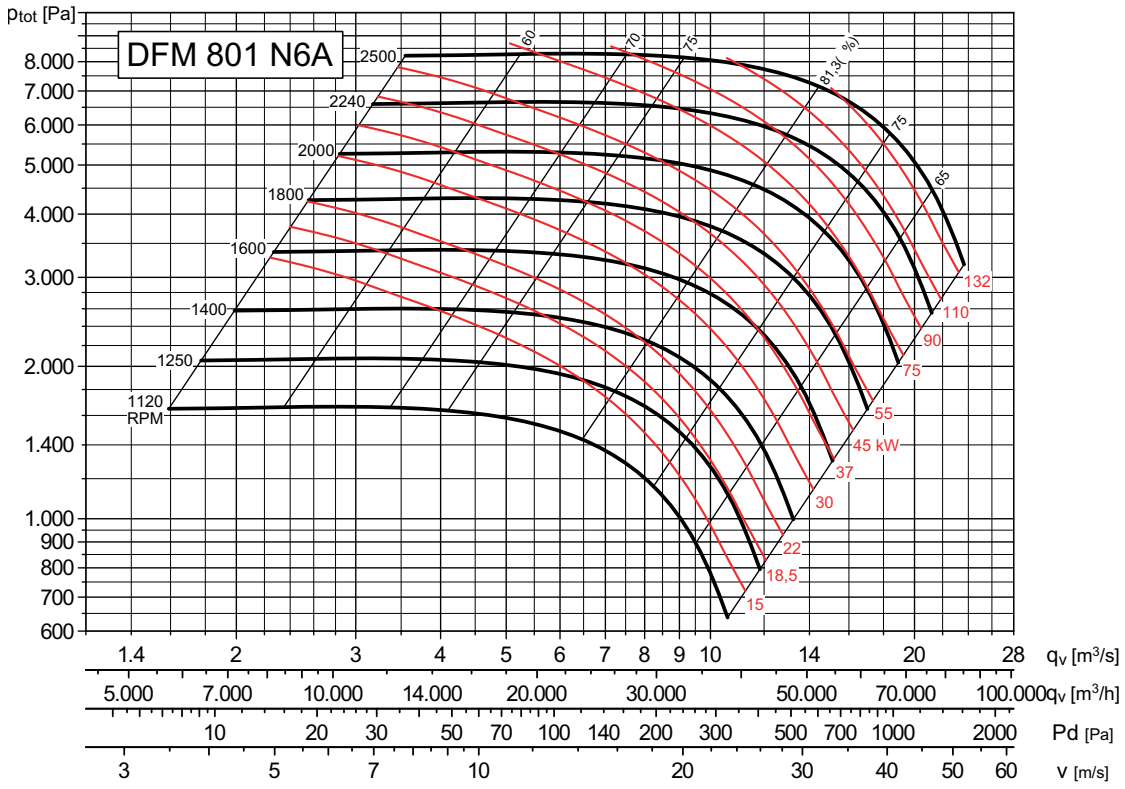
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 40°C = 2650 rpm
41 ÷ 60°C = 2400 rpm

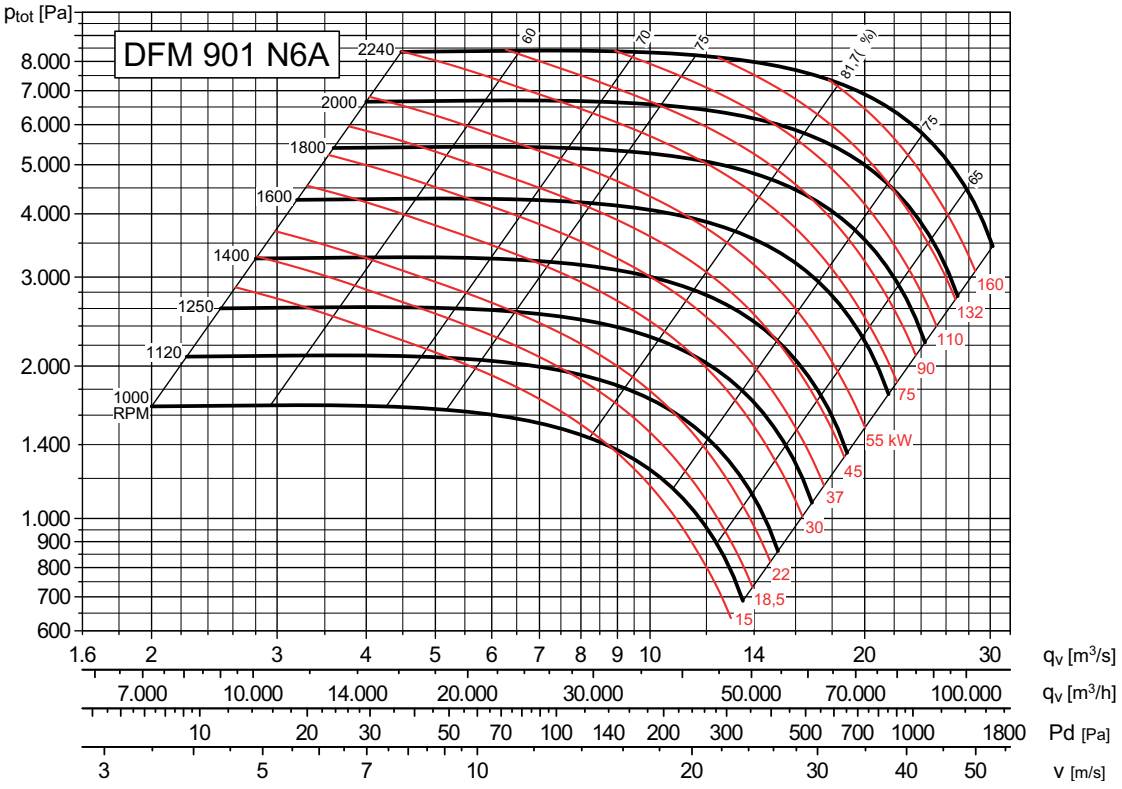



MAX. RPM

≤ 40°C = 2350 rpm
41 ÷ 60°C = 2100 rpm

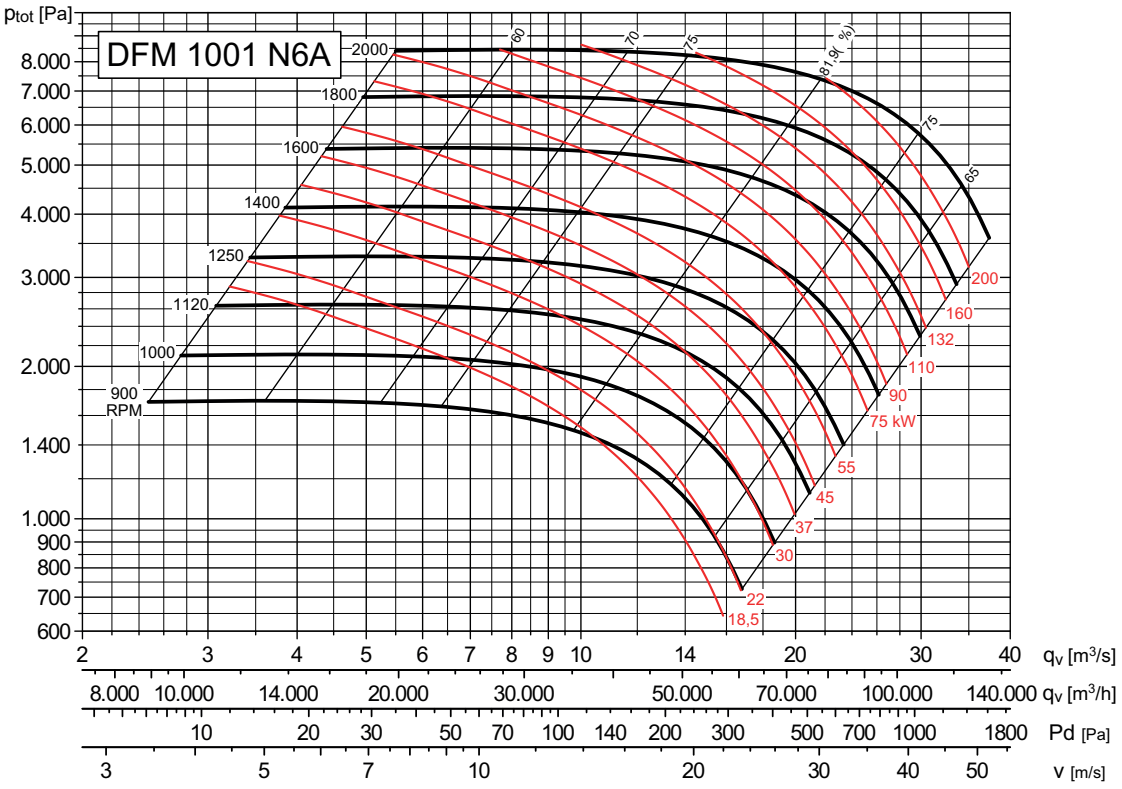
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 40°C = 2100 rpm
41 ÷ 60°C = 1900 rpm

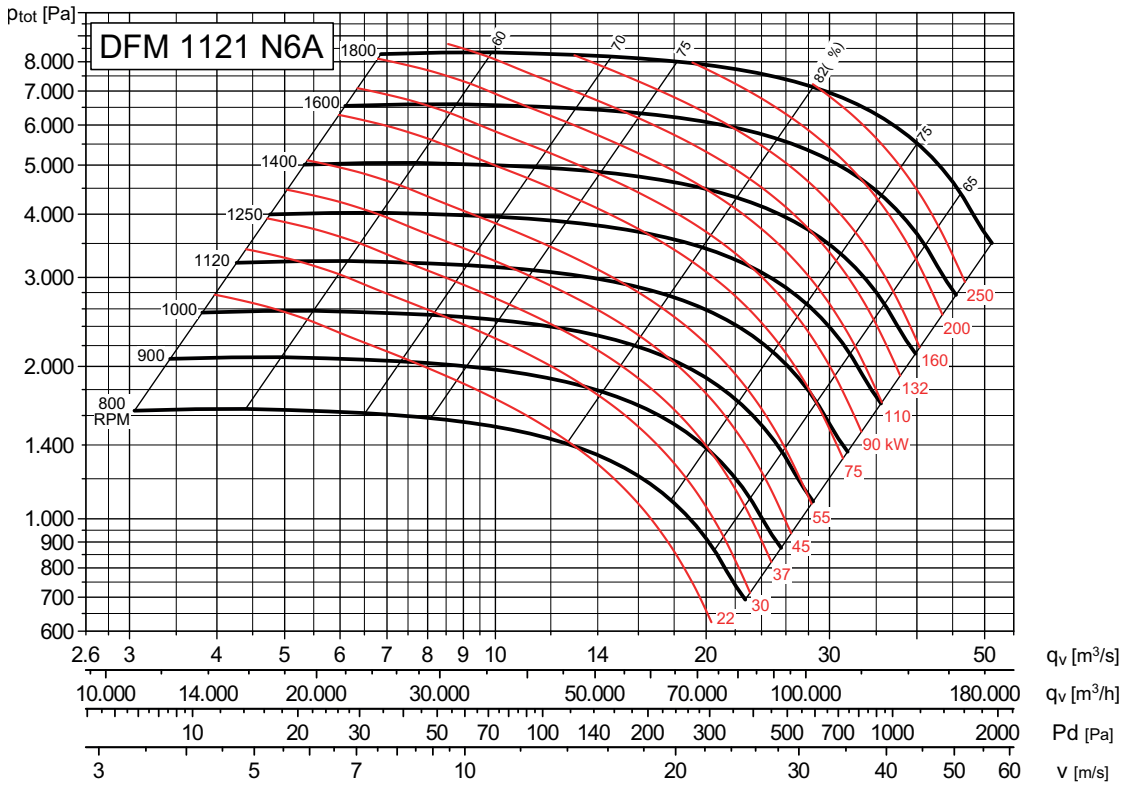



MAX. RPM

≤ 40°C = 1850 rpm
41 ÷ 60°C = 1650 rpm

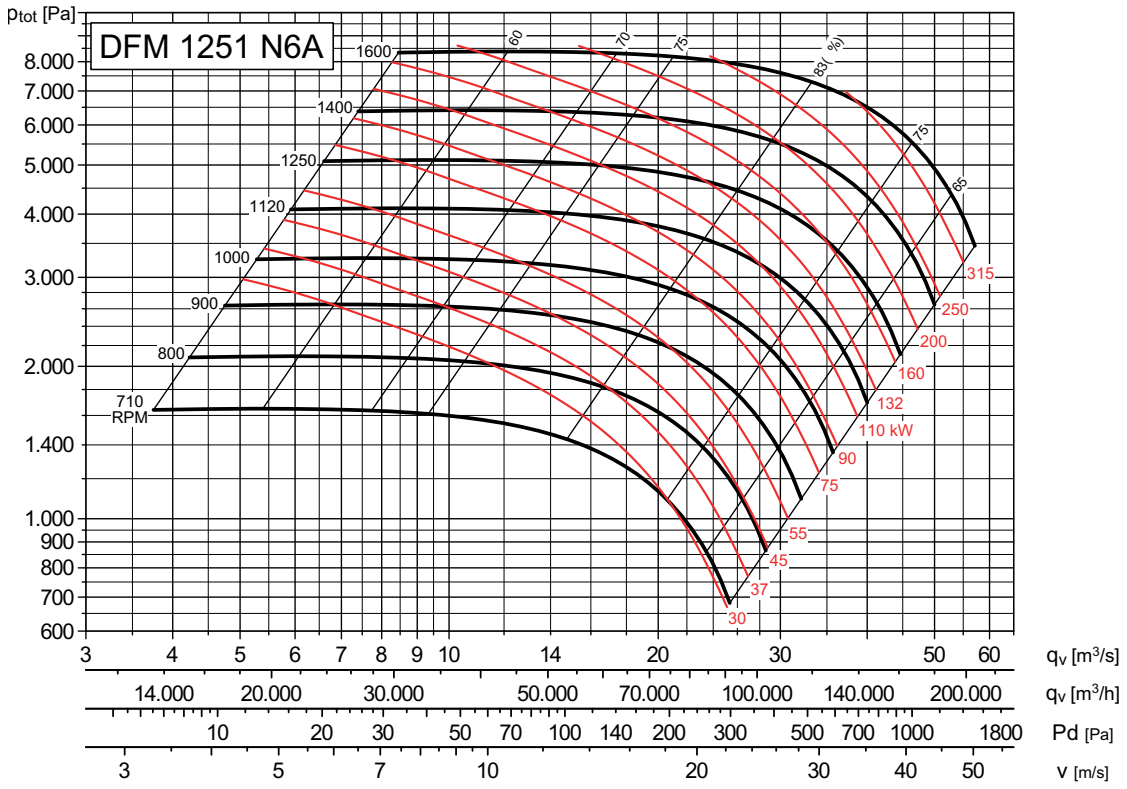
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 40°C = 1650 rpm
41 ÷ 60°C = 1500 rpm

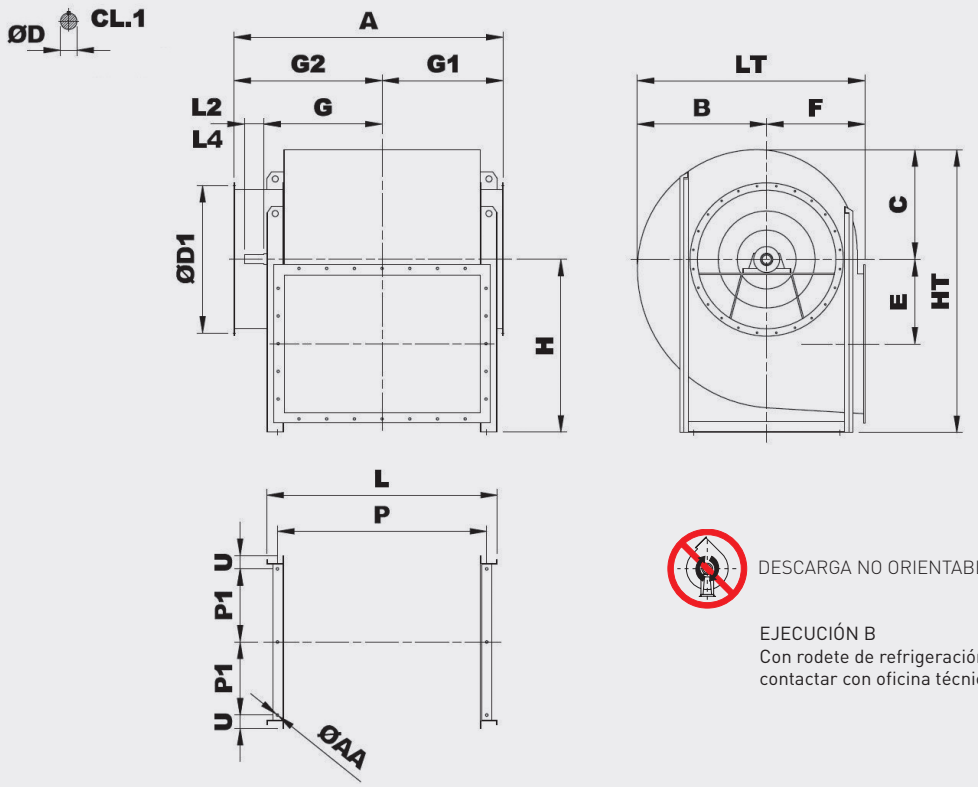



MAX. RPM

≤ 40°C = 1450 rpm
41 ÷ 60°C = 1300 rpm

## DIMENSIONES (mm)

Ejecución 6




DESCARGA NO ORIENTABLE

EJECUCIÓN B
Con rodete de refrigeración, contactar con oficina técnica.

ORIENTACIONES

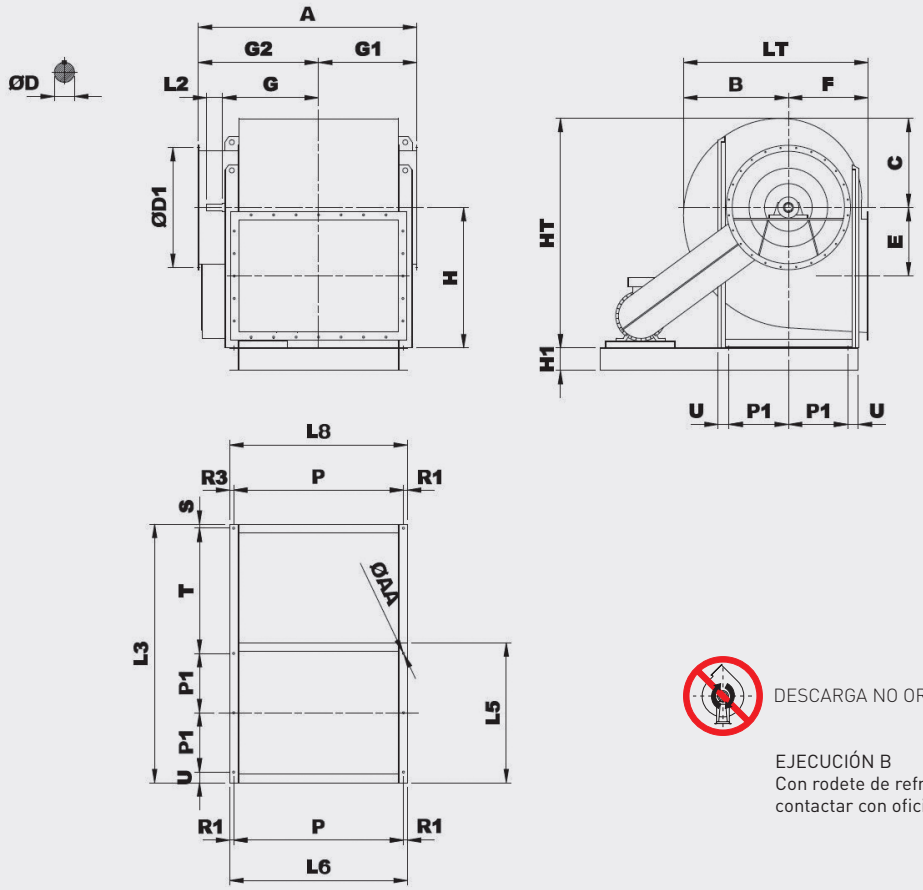
| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LG | 0º | 45º | 90º | 135º | 180º | 225º | 270º | 315º |
| RD | 0º | 45º | 90º | 135º | 180º | 225º | 270º | 315º |
| H | H1 | | H2 | | H3 | | H4 | |

Para estas orientaciones, contactar con oficina técnica

| Modelo | | | | | | | | | | | | | | | | Eje | | Base | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | ØD1 | E | F | G | G1 | G2 | H | | | | HT | LT | ØD | L2 | L | P | P1 | U | ØAA |
| | | | | | | | | | | H1 | H2 | H3 | H4 | | | | | | | | | |
| DFM 561 N6A | 1038 | 515 | 426 | 629 | 412 | 400 | 418 | 434 | 604 | 530 | 475 | 400 | 710 | 1136 | 915 | 48 | 110 | 729 | 630 | 308 | 70 | 17 |
| DFM 631 N6A | 1119 | 578 | 478 | 698 | 465 | 450 | 452 | 482 | 637 | 600 | 530 | 450 | 800 | 1278 | 1028 | 55 | 110 | 798 | 698 | 343 | 70 | 17 |
| DFM 711 N6A | 1214 | 663 | 563 | 775 | 531 | 500 | 503 | 522 | 692 | 670 | 600 | 500 | 850 | 1413 | 1163 | 60 | 140 | 915 | 785 | 386 | 80 | 19 |
| DFM 801 N6A | 1370 | 741 | 629 | 861 | 594 | 560 | 551 | 565 | 805 | 750 | 670 | 560 | 1000 | 1629 | 1301 | 65 | 140 | 1001 | 870 | 431 | 80 | 19 |
| DFM 901 N6A | 1486 | 831 | 706 | 958 | 668 | 630 | 619 | 623 | 863 | 850 | 710 | 630 | 1120 | 1826 | 1461 | 75 | 140 | 1142 | 970 | 481 | 90 | 19 |
| DFM 1001 N6A | 1631 | 933 | 793 | 1067 | 753 | 710 | 686 | 703 | 928 | 950 | 800 | 710 | 1250 | 2043 | 1643 | 80 | 170 | 1251 | 1097 | 528 | 95 | 19 |
| DFM 1121 N6A | 1825 | 1054 | 894 | 1200 | 848 | 800 | 760 | 775 | 1050 | 1060 | 900 | 800 | 1400 | 2294 | 1854 | 90 | 170 | 1374 | 1240 | 589 | 105 | 24 |
| DFM 1251 N6A | 1993 | 1184 | 1004 | 1337 | 954 | 900 | 844 | 854 | 1139 | 1180 | 1060 | 900 | 1500 | 2504 | 2084 | 100 | 210 | 1511 | 1380 | 655 | 105 | 24 |

## DIMENSIONES (mm)

Ejecución 18

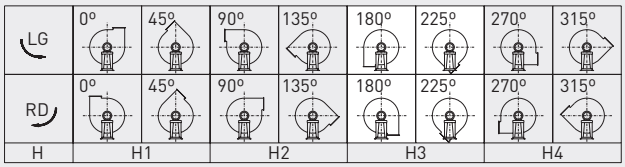





DESCARGA NO ORIENTABLE

EJECUCIÓN B
Con rodete de refrigeración, contactar con oficina técnica.

ORIENTACIONES



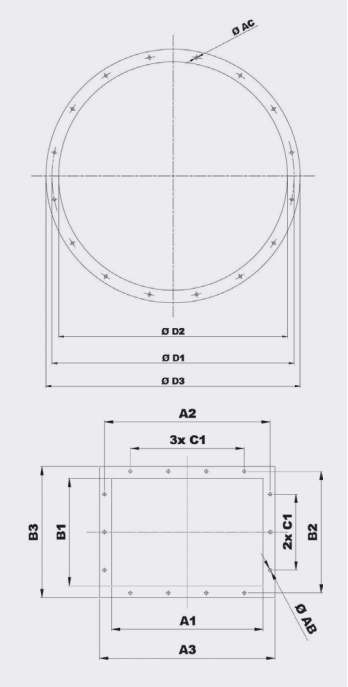

Para estas orientaciones, contactar con oficina técnica

| Modelo | A | B | C | ØD1 | E | F | G | G1 | G2 | H | HT | LT | Eje ØD | Eje L2 | Base H1 | Base P | Base P1 | Base U | Base ØAA | Base R1 | Base R3 | Base L3 | Base L6 | Base L8 | Base S | Base T | Peso (kg)[1] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DFM 561 N18A | 1038 | 515 | 426 | 629 | 412 | 400 | 418 | 434 | 604 | 710 | 1136 | 915 | 48 | 110 | 160 | 630 | 308 | 70 | 17 | 30 | 48 | 1700 | 690 | 708 | 30 | 984 | 78 |
| DFM 631 N18A | 1119 | 578 | 478 | 698 | 465 | 450 | 452 | 482 | 637 | 800 | 1278 | 1028 | 55 | 110 | 160 | 700 | 343 | 70 | 17 | 30 | 47 | 1700 | 760 | 777 | 70 | 914 | 90 |
| DFM 711 N18A | 1214 | 663 | 563 | 775 | 531 | 500 | 503 | 522 | 692 | 850 | 1413 | 1163 | 60 | 140 | 220 | 785 | 386 | 80 | 19 | 35 | 84 | 1850 | 855 | 904 | 35 | 963 | 150 |
| DFM 801 N18A | 1370 | 741 | 629 | 861 | 594 | 560 | 551 | 565 | 805 | 1000 | 1629 | 1301 | 65 | 140 | 220 | 870 | 431 | 80 | 19 | 35 | 90 | 2100 | 940 | 995 | 80 | 1123 | 160 |
| DFM 901 N18A | 1486 | 831 | 706 | 958 | 668 | 630 | 619 | 623 | 863 | 1120 | 1826 | 1461 | 75 | 140 | 220 | 970 | 481 | 90 | 19 | 35 | 109 | 2180 | 1040 | 1114 | 90 | 1093 | 170 |
| DFM 1001 N18A | 1631 | 933 | 793 | 1067 | 753 | 710 | 686 | 703 | 928 | 1250 | 2043 | 1643 | 80 | 170 | 220 | 1097 | 528 | 95 | 19 | 35 | 99 | 2400 | 1167 | 1231 | 35 | 1214 | 190 |
| DFM 1121 N18A | 1825 | 1054 | 894 | 1200 | 848 | 800 | 760 | 775 | 1050 | 1400 | 2294 | 1854 | 90 | 170 | 250 | 1240 | 589 | 105 | 24 | 45 | 101 | 2600 | 1330 | 1386 | 45 | 1272 | 280 |
| DFM 1251 N18A | 1993 | 1184 | 1004 | 1337 | 954 | 900 | 844 | 854 | 1139 | 1500 | 2504 | 2084 | 100 | 210 | 250 | 1380 | 655 | 105 | 24 | 45 | 103 | 2650 | 1470 | 1528 | 45 | 1190 | 290 |

[1] Peso de la base

## DIMENSIONES (mm)

Ejecución 18




Brida aspiración

| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 561 | 560 | 629 | 566 | 666 | 10 | 12 |
| 631 | 630 | 698 | 636 | 736 | 10 | 12 |
| 711 | 710 | 775 | 716 | 816 | 12 | 16 |
| 801 | 800 | 861 | 806 | 906 | 12 | 16 |
| 901 | 900 | 958 | 906 | 1006 | 12 | 16 |
| 1001 | 1000 | 1067 | 1007 | 1107 | 12 | 24 |
| 1121 | 1120 | 1200 | 1128 | 1248 | 12 | 24 |
| 1251 | 1250 | 1337 | 1260 | 1380 | 12 | 24 |

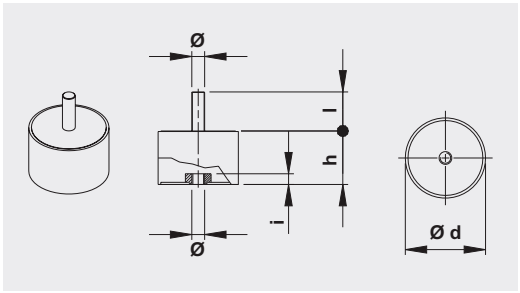
Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 561 | 560x400 | 569 | 404 | 629 | 464 | 669 | 504 | 160 | 14 | 4+4 | 3+3 |
| 631 | 630x450 | 638 | 453 | 698 | 513 | 738 | 553 | 160 | 14 | 4+4 | 3+3 |
| 711 | 710x500 | 715 | 507 | 775 | 567 | 815 | 607 | 160 | 14 | 5+5 | 3+3 |
| 801 | 800x560 | 801 | 569 | 871 | 639 | 921 | 689 | 200 | 14 | 4+4 | 3+3 |
| 901 | 900x630 | 898 | 638 | 968 | 708 | 1018 | 758 | 200 | 14 | 5+5 | 4+4 |
| 1001 | 1000x710 | 1007 | 715 | 1077 | 785 | 1127 | 835 | 200 | 14 | 5+5 | 4+4 |
| 1121 | 1120x800 | 1130 | 801 | 1210 | 881 | 1270 | 941 | 200 | 18 | 6+6 | 4+4 |
| 1251 | 1250x900 | 1267 | 898 | 1347 | 978 | 1407 | 1038 | 200 | 18 | 7+7 | 5+5 |

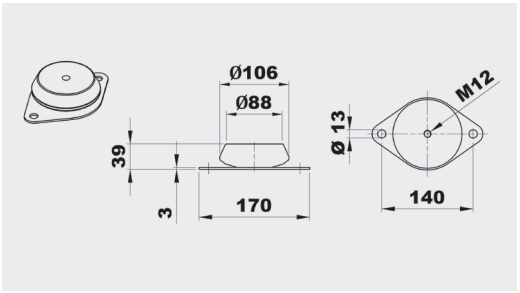
## AMORTIGUADORES

Amortiguadores recomendados

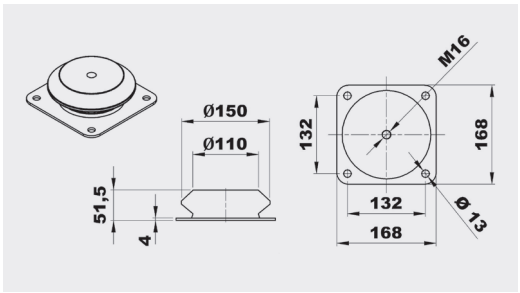
| Ventilador | Ejecución 19 | Ejecución 18 |
|---|---|---|
| 561 | 4 x AM 75 - 75x50 | 6 x AM 75 - 75x50 |
| 631 | 4 x AM 75 - 75x50 | 6 x AZ 39 - 140x39 |
| 711 | 4 x AM 75 - 75x50 | 6 x AZ 39 - 140x39 |
| 801 | 4 x AZ 39 - 140x39 | 6 x AZ 39 - 140x39 |
| 901 | 4 x AZ 39 - 140x39 | 6 x AZ 51 - 132x51 |
| 1001 | 4 x AZ 39 - 140x39 | 6 x AZ 51 - 132x51 |
| 1121 | 4 x AZ 51 - 132x51 | 6 x AZ 51 - 132x51 |
| 1251 | 4 x AZ 51 - 132x51 | 6 x AZ 51 - 132x51 |




| Tipo | Carga para 4 soportes (kg) | d | h | Ø | l | Peso (kg) |
|---|---|---|---|---|---|---|
| AM 75 | 316÷630 | 75 | 50 | M12 | 37 | 0,50 |

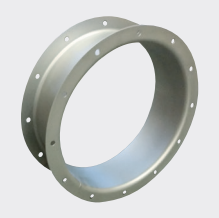



| Tipo | Carga para 4 soportes (kg) | Peso (kg) |
|---|---|---|
| AZ 39 | 631÷1250 | 0,7 |

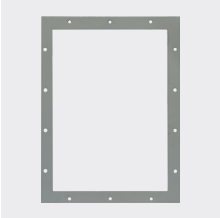



| Tipo | Carga para 4 soportes (kg) | Peso (kg) |
|---|---|---|
| AZ 51 | 1251÷2500 | 1,8 |

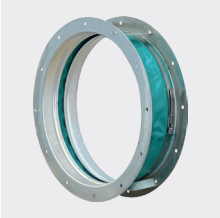
## ACCESORIOS



**CA (CFH1) - CFH2 - CFH3**
Contrabrida - Brida plana circular.



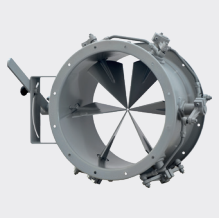
**CP**
Brida plana rectangular.



**GA**
Junta flexible aspiración.



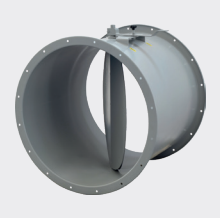
**GP**
Junta flexible descarga.



**DP**
Regulador de caudal de aspiración.



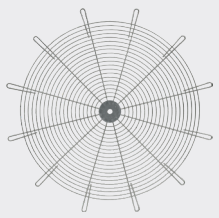
**SAD**
Compuerta de regulación de caudal de descarga.



**SF**
Vávula mariposa.



**DF**
Filtro en la aspiración.



**RC**
Rejilla de protección para la aspiración.



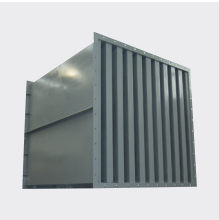
**AM/AZ**
Soportes antivibratorios.



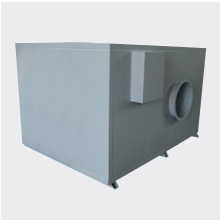
**SCSO**
Silenciador cilíndrico.



**SCCO**
Silenciador cilíndrico con bulbo.



**SASS**
Silenciador rectangular.



**CI**
Cabina de insonorización.

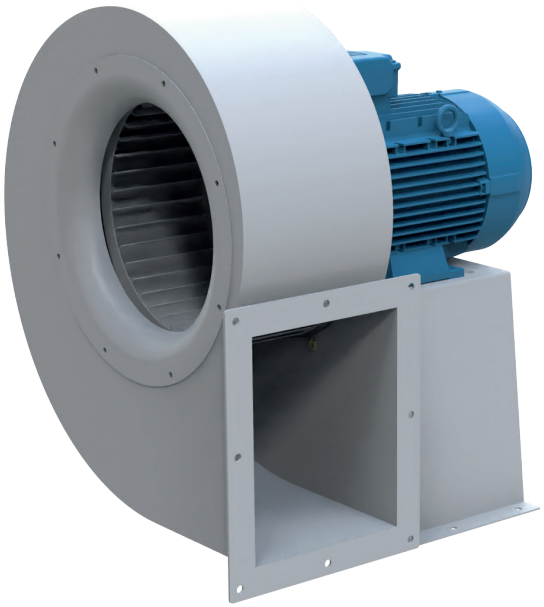
Ver información completa en página **772**.

# CMB/CMT

## VENTILADORES CENTRÍFUGOS DE BAJA PRESIÓN

*ACOPLAMIENTO DIRECTO*








CMT series 1 CMT series 2/3

Ventiladores centrífugos de simple aspiración, capacitados para trasegar aire en continuo hasta 80ºC o 110ºC (Serie 1) o 150ºC (Series 2 y 3), carcasa de chapa de acero protegida con pintura epoxi-poliéster anticorrosiva, rodete de álabes hacia adelante de acero galvanizado, equilibrado dinámicamente y motor IP55, Clase F [1], con rodamientos a bolas de engrase permanente.

(1) Algunos modelos de la Serie 1 son IP44, Clase B (ver cuadro de características).



**Rodete equilibrado dinámicamente**
Rodete de álabes hacia adelante, equilibrado dinámicamente según norma ISO 1940, para reducir el ruido y evitar vibraciones.

### Motores

Clase IE3. De 2, 4 o 6 polos, según versiones.
Tensión de alimentación:
Monofásicos 230V-50Hz
Trifásicos 230/400V-50Hz, hasta 3 kW
400V-50Hz, para potencias superiores
(Ver cuadro de características).

### Otros datos

Los modelos de las Series 2 y 3 incorporan bancada.
Los motores pueden situarse a derecha o izquierda. La voluta se puede orientar, en cada caso, para ofrecer hasta 16 combinaciones distintas.
Orientación estándar: LG 270.

### Bajo demanda

- Orientaciones RD.
- Motor de 2 velocidades.
- Versiones de acero inoxidable INOX-304 o 316.

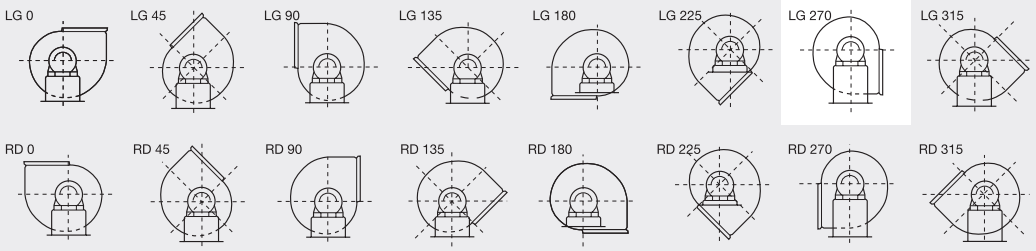
### Versiones ATEX

Bajo pedido, versiones antiexplosivas según la Directiva ATEX para modelos trifásicos:
Para trabajar a temperaturas de -20ºC a +40ºC.

- ATEX AntideFlagrantes - Gas
  Ⓔx II 2G Ex d IIB T4
  Ⓔx II 2G Ex d IIB+H2 T4 (con motor Ex d IIC T4)
  En versión ATEX estándar, los motores antideflagrantes se entregan sin protección térmica. Para utilizar con convertidor de frecuencia pedir motores antideFlagrantes con protector térmico tipo PTC.
- ATEX Seguridad aumentada - Gas:
  Ⓔx II 2G Ex e II T3
- ATEX - Polvo
  Particulas en suspension inflamables y polvo no conductor:
  Ⓔx II 3D Ex tc IIIB T125ºC
  Polvo conductor:
  Ⓔx II 3D Ex tc IIIC T125ºC (con motor IP65)
  En versión ATEX estándar, los motores ATEX para polvo se entregan sin protección térmica. Para utilizar con convertidor de frecuencia pedir motores ATEX para polvo con protector térmico tipo PTC.

Para seleccionar modelos CMT ATEX, ver las curvas características, o bien el programa de selección de producto EasyVent.
Los datos eléctricos de los modelos ATEX pueden variar respecto a los datos indicados en las tablas características.
Consulte la disponibilidad de otras versiones, y de modelos monofásicos con motores ATEX.

## ORIENTACIONES




Orientación estándar: LG 270. El resto de las orientaciones se fabrican bajo demanda.

## CARACTERÍSTICAS TÉCNICAS

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación

| Serie 1 | Velocidad (r.p.m.) | Protección | Motor clase | Potencia útil (kW) | Intensidad máxima absorbida (A) | | Caudal máximo ($m^3/h$) | Nivel presión sonora (dB(A)* | Peso (kg) | Temperatura máxima aire (ºC) | Regulador de velocidad opcional |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 230 V | 400 V | | | | | |
| MONOFÁSICOS 2 POLOS | | | | | | | | | | | |
| CMB/2-120/50 - 0,09 | 2800 | IP44 | B | 0,09 | 0,7 | – | 495 | 62 | 4 | 80 | – |
| CMB/2-140/50 - 0,25 | 2800 | IP55 | F | 0,25 | 2 | – | 870 | 66 | 8 | 110 | – |
| CMB/2-160/60 - 0,37 | 2800 | IP55 | F | 0,37 | 2,8 | – | 1.120 | 69 | 9 | 110 | – |
| CMB/2-180/75 - 0,75 | 2800 | IP55 | F | 0,75 | 4,9 | – | 1.800 | 71 | 15 | 110 | – |
| CMB/2-200/60 - 0,37 | 2800 | IP55 | F | 0,37 | 2,8 | – | 935 | 69 | 9 | 110 | – |
| CMB/2-200/80 - 1,1 | 2800 | IP55 | F | 1,1 | 7,3 | – | 2.270 | 74 | 17 | 110 | – |
| MONOFÁSICOS 4 POLOS | | | | | | | | | | | |
| CMB/4-120/50 - 0,01 | 1400 | IP44 | B | 0,01 | 0,21 | – | 270 | 55 | 4 | 80 | REB-1N |
| CMB/4-140/50 - 0,06 | 1400 | IP44 | B | 0,06 | 0,35 | – | 450 | 59 | 7 | 80 | REB-1N |
| CMB/4-160/60 - 0,07 | 1400 | IP44 | B | 0,07 | 0,6 | – | 665 | 62 | 7 | 80 | REB-1N |
| CMB/4-180/75 - 0,18 | 1400 | IP55 | F | 0,18 | 1,45 | – | 1.030 | 64 | 10 | 110 | – |
| CMB/4-200/80 - 0,40 | 1400 | IP55 | F | 0,40 | 3,2 | – | 1.560 | 67 | 13 | 110 | – |
| TRIFÁSICOS 2 POLOS | | | | | | | | | | | |
| CMT/2-120/50 - 0,09 | 2800 | IP44 | B | 0,09 | 0,54 | 0,32 | 495 | 62 | 4 | 80 | RMT-1,5 |
| CMT/2-140/50 - 0,25 | 2800 | IP55 | F | 0,25 | 1 | 0,6 | 870 | 66 | 8 | 110 | VFTM TRI 0,37 |
| CMT/2-160/60 - 0,37 | 2800 | IP55 | F | 0,37 | 1,8 | 1,05 | 1.120 | 69 | 9 | 110 | VFTM TRI 0,37 |
| CMT/2-180/75 - 0,75 | 2800 | IP55 | F | 0,75 | 3,3 | 1,9 | 1.800 | 71 | 15 | 110 | VFTM TRI 0,75 |
| CMT/2-200/60 - 0,37 | 2800 | IP55 | F | 0,37 | 1,8 | 1,05 | 935 | 69 | 9 | 110 | VFTM TRI 0,37 |
| CMT/2-200/80 - 1,1 | 2800 | IP55 | F | 1,1 | 4,67 | 2,7 | 2.270 | 74 | 17 | 110 | VFTM TRI 1,1 |
| TRIFÁSICOS 4 POLOS | | | | | | | | | | | |
| CMT/4-120/50 - 0,01 | 1400 | IP44 | B | 0,01 | 0,2 | 0,12 | 270 | 55 | 4 | 80 | RMT-1,5 |
| CMT/4-140/50 - 0,06 | 1400 | IP44 | B | 0,06 | 0,32 | 0,18 | 450 | 59 | 7 | 80 | RMT-1,5 |
| CMT/4-160/60 - 0,07 | 1400 | IP44 | B | 0,07 | 0,58 | 0,33 | 665 | 62 | 7 | 80 | RMT-1,5 |
| CMT/4-180/75 - 0,18 | 1400 | IP55 | F | 0,18 | 0,9 | 0,52 | 1.030 | 64 | 10 | 110 | VFTM TRI 0,37 |
| CMT/4-200/80 - 0,25 | 1400 | IP55 | F | 0,25 | 1,26 | 0,73 | 1.560 | 67 | 13 | 110 | VFTM TRI 0,37 |

* Los valores de los niveles sonoros son presiones sonoras en dB(A) calculadas a 1,5 m a la descarga de los extractores, con el caudal máximo (Q máx).

## CARACTERÍSTICAS TÉCNICAS

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación

| Serie 2 | Velocidad (r.p.m.) | Protección | Motor clase | Potencia útil (kW) | Intensidad máxima absorbida (A) | | Caudal máximo ($m^3/h$) | Nivel presión sonora (dB(A)* | Peso (kg) | Tipo de antivibratorios (KSE) | Regulador de velocidad opcional |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 230 V | 400 V | | | | | |
| MONOFÁSICOS 4 POLOS | | | | | | | | | | | |
| CMB/4-225/ 90 - 0,55 | 1390 | IP55 | F | 0,55 | 4,39 | – | 2.600 | 71 | 22 | 45 | – |
| CMB/4-250/100 - 1,1 | 1390 | IP55 | F | 1,1 | 7,09 | – | 3.790 | 72 | 32 | 45 | – |
| TRIFÁSICOS 2 POLOS | | | | | | | | | | | |
| CMT/2-225/ 90 - 1,1 | 2780 | IP55 | F | 1,1 | 4,7 | 2,7 | 2.080 | 66 | 23 | 45 | VFTM TRI 1,1 |
| CMT/2-225/ 90 - 1,5 | 2800 | IP55 | F | 1,5 | 5,96 | 3,45 | 2.170 | 71 | 27 | 45 | VFTM TRI 1,5 |
| CMT/2-225/ 90 - 2,2 | 2820 | IP55 | F | 2,2 | 8,5 | 4,9 | 3.040 | 76 | 30 | 45 | VFTM TRI 2,2 |
| CMT/2-250/100 - 2,2 | 2820 | IP55 | F | 2,2 | 8,5 | 4,9 | 2.080 | 73 | 34 | 45 | VFTM TRI 2,2 |
| CMT/2-250/100 - 3 | 2820 | IP55 | F | 3 | 10,9 | 6,3 | 3.685 | 79 | 36 | 45 | VFTM TRI 3 |
| CMT/2-280/115 - 3 | 2820 | IP55 | F | 3 | 10,9 | 6,3 | 2.600 | 77 | 43 | 45 | VFTM TRI 3 |
| CMT/2-280/115 - 4 | 2870 | IP55 | F | 4 | – | 8,4 | 3.210 | 81 | 47 | 45 | VFTM TRI 4 |
| TRIFÁSICOS 4 POLOS | | | | | | | | | | | |
| CMT/4-225/ 90 - 0,55 | 1360 | IP55 | F | 0,55 | 2,2 | 1,27 | 2.600 | 71 | 22 | 45 | VFTM TRI 0,55 |
| CMT/4-250/100 - 1,1 | 1390 | IP55 | F | 1,1 | 4,8 | 2,8 | 3.790 | 72 | 32 | 45 | VFTM TRI 1,1 |
| CMT/4-280/115 - 2,2 | 1400 | IP55 | F | 2,2 | 9,1 | 5,3 | 5.200 | 75 | 43 | 45 | VFTM TRI 2,2 |
| CMT/4-315/130 - 2,2 | 1400 | IP55 | F | 2,2 | 9,1 | 5,3 | 5.660 | 72 | 48 | 45 | VFTM TRI 2,2 |
| CMT/4-315/130 - 3 | 1400 | IP55 | F | 3 | 12,6 | 7,3 | 6.800 | 75 | 51 | 45 | VFTM TRI 4 |
| CMT/4-315/130 - 4 | 1420 | IP55 | F | 4 | – | 9,3 | 7.100 | 78 | 57 | 70 | VFTM TRI 4 |
| TRIFÁSICOS 6 POLOS | | | | | | | | | | | |
| CMT/6-315/130 - 1,1 | 930 | IP55 | F | 1,1 | 6,6 | 3,8 | 5.400 | 69 | 44 | 45 | VFTM TRI 1,5 |

| Serie 3 | Velocidad (r.p.m.) | Protección | Motor clase | Potencia útil (kW) | Intensidad máxima absorbida (A) | | Caudal máximo ($m^3/h$) | Nivel presión sonora (dB(A)* | Peso (kg) | Tipo de antivibratorios (KSE) | Regulador de velocidad opcional |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 230 V | 400 V | | | | | |
| TRIFÁSICOS 4 POLOS | | | | | | | | | | | |
| CMT/4-355/145 - 3 | 1400 | IP55 | F | 3 | 12,65 | 7,3 | 6.325 | 75 | 52 | 45 | VFTM TRI 4 |
| CMT/4-355/145 - 4 | 1420 | IP55 | F | 4 | – | 9,3 | 7.740 | 78 | 58 | 70 | VFTM TRI 4 |
| CMT/4-355/145 - 5,5 | 1445 | IP55 | F | 5,5 | – | 12 | 9.450 | 81 | 69 | 70 | VFTM TRI 5,5 |
| CMT/4-400/165 - 4 | 1420 | IP55 | F | 4 | – | 9,3 | 7.200 | 77 | 70 | 70 | VFTM TRI 4 |
| CMT/4-400/165 - 5,5 | 1445 | IP55 | F | 5,5 | – | 12 | 8.300 | 80 | 80 | 70 | VFTM TRI 5,5 |
| CMT/4-400/165 - 7,5 | 1445 | IP55 | F | 7,5 | – | 15,5 | 10.460 | 83 | 99 | 70 | VFTM TRI 7,5 |
| CMT/4-450/185 - 5,5 | 1445 | IP55 | F | 5,5 | – | 12 | 7.560 | 83 | 92 | 70 | VFTM TRI 5,5 |
| CMT/4-450/185 - 7,5 | 1445 | IP55 | F | 7,5 | – | 15,5 | 9.900 | 86 | 111 | 70 | VFTM TRI 7,5 |
| CMT/4-500/205 - 7,5 | 1445 | IP55 | F | 7,5 | – | 15,5 | 8.410 | 83 | 112 | 70 | VFTM TRI 7,5 |
| CMT/4-500/205 - 9,2 | 1450 | IP55 | F | 9,2 | – | 21,5 | 10.300 | 85 | 120 | 70 | VFTM TRI 11 |
| CMT/4-500/205 - 11 | 1450 | IP55 | F | 11 | – | 22,5 | 11.250 | 87 | 132 | 70 | VFTM TRI 11 |
| CMT/4-500/205 - 15 | 1460 | IP55 | F | 15 | – | 31 | 15.930 | 89 | 147 | 70 | VFTM TRI 15 |
| TRIFÁSICOS 6 POLOS | | | | | | | | | | | |
| CMT/6-355/145 - 1,5 | 945 | IP55 | F | 1,5 | 7,5 | 4,3 | 6.700 | 72 | 53 | 45 | VFTM TRI 2,2 |
| CMT/6-400/165 - 2,2 | 920 | IP55 | F | 2,2 | 10,74 | 6,2 | 7.590 | 73 | 60 | 70 | VFTM TRI 3 |
| CMT/6-450/185 - 2,2 | 920 | IP55 | F | 2,2 | 10,74 | 6,2 | 7.110 | 76 | 88 | 70 | VFTM TRI 3 |

* Los valores de los niveles sonoros son presiones sonoras en dB(A) calculadas a 1,5 m a la descarga de los extractores, con el caudal máximo (Q máx).

## CARACTERÍSTICAS ACÚSTICAS

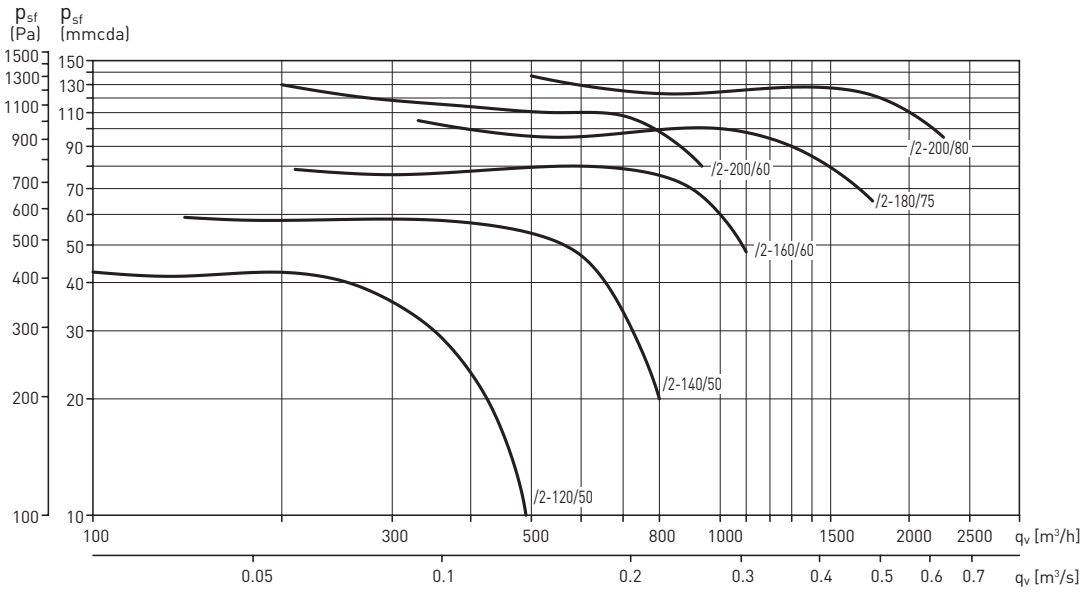
Espectros de potencias sonoras en dB(A) por banda de frecuencia en (Hz)

| Modelo | Espectro de potencias | | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|
| | 63 Hz | 125 Hz | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz | 8000 Hz | Lw |
| 2 POLOS | | | | | | | | | |
| CMT/2-120/50 - 0,09 | 42 | 53 | 64 | 68 | 70 | 73 | 69 | 67 | 77 |
| CMT/2-140/50 - 0,25 | 46 | 57 | 68 | 71 | 73 | 77 | 73 | 71 | 81 |
| CMT/2-160/60 - 0,37 | 48 | 60 | 71 | 74 | 76 | 80 | 75 | 73 | 84 |
| CMT/2-180/75 - 0,75 | 51 | 62 | 73 | 76 | 78 | 82 | 78 | 76 | 86 |
| CMT/2-200/60 - 0,37 | 49 | 60 | 71 | 74 | 76 | 80 | 76 | 74 | 84 |
| CMT/2-200/80 - 1,1 | 53 | 65 | 76 | 79 | 81 | 85 | 80 | 79 | 89 |
| CMT/2-225/90 - 1,1 | 46 | 57 | 68 | 71 | 73 | 77 | 73 | 71 | 81 |
| CMT/2-225/90 - 1,5 | 51 | 62 | 73 | 76 | 78 | 82 | 78 | 76 | 86 |
| CMT/2-225/90 - 2,2 | 56 | 67 | 78 | 81 | 83 | 87 | 83 | 81 | 91 |
| CMT/2-250/100 - 2,2 | 53 | 64 | 75 | 78 | 80 | 84 | 80 | 78 | 88 |
| CMT/2-250/100 - 3 | 58 | 69 | 80 | 84 | 86 | 89 | 85 | 83 | 93 |
| CMT/2-280/115 - 3 | 56 | 67 | 78 | 82 | 84 | 87 | 83 | 81 | 91 |
| CMT/2-280/115 - 4 | 61 | 72 | 83 | 86 | 88 | 92 | 88 | 86 | 96 |
| 4 POLOS | | | | | | | | | |
| CMT/4-120/50 - 0,01 | 39 | 52 | 58 | 59 | 64 | 65 | 61 | 58 | 70 |
| CMT/4-140/50 - 0,06 | 43 | 56 | 62 | 63 | 68 | 69 | 65 | 62 | 74 |
| CMT/4-160/60 - 0,07 | 46 | 59 | 65 | 66 | 71 | 72 | 68 | 65 | 77 |
| CMT/4-180/75 - 0,18 | 48 | 61 | 67 | 68 | 73 | 74 | 70 | 67 | 79 |
| CMT/4-200/60 - 0,07 | 46 | 59 | 65 | 66 | 71 | 72 | 68 | 65 | 76,6 |
| CMT/4-225/90 - 0,55 | 55 | 67 | 74 | 75 | 80 | 81 | 77 | 73 | 85 |
| CMT/4-250/100 - 1,1 | 56 | 69 | 75 | 76 | 81 | 82 | 78 | 75 | 87 |
| CMT/4-280/115 - 2,2 | 59 | 72 | 78 | 79 | 84 | 85 | 81 | 78 | 90 |
| CMT/4-315/130 - 2,2 | 56 | 69 | 75 | 76 | 81 | 82 | 78 | 75 | 87 |
| CMT/4-315/130 - 3 | 59 | 72 | 78 | 79 | 84 | 85 | 81 | 78 | 90 |
| CMT/4-315/130 - 4 | 62 | 75 | 81 | 82 | 87 | 88 | 84 | 81 | 93 |
| CMT/4-355/145 - 3 | 59 | 72 | 78 | 79 | 84 | 85 | 81 | 78 | 90 |
| CMT/4-355/145 - 4 | 62 | 75 | 81 | 82 | 87 | 88 | 84 | 81 | 93 |
| CMT/4-355/145 - 5,5 | 65 | 78 | 84 | 85 | 90 | 91 | 87 | 84 | 94 |
| CMT/4-400/165 - 4 | 61 | 74 | 80 | 81 | 86 | 87 | 83 | 80 | 93 |
| CMT/4-400/165 - 5,5 | 64 | 77 | 83 | 84 | 89 | 90 | 86 | 83 | 95 |
| CMT/4-400/165 - 7,5 | 67 | 80 | 86 | 87 | 92 | 93 | 89 | 86 | 98 |
| CMT/4-450/185 - 5,5 | 67 | 80 | 86 | 87 | 92 | 93 | 89 | 86 | 98 |
| CMT/4-450/185 - 7,5 | 70 | 83 | 89 | 90 | 95 | 96 | 92 | 89 | 101 |
| CMT/4-500/205 - 7,5 | 67 | 80 | 86 | 87 | 92 | 93 | 89 | 86 | 98 |
| CMT/4-500/205 - 9,2 | 69 | 82 | 88 | 89 | 94 | 95 | 91 | 88 | 100 |
| CMT/4-500/205 - 11 | 71 | 84 | 90 | 91 | 96 | 97 | 93 | 90 | 102 |
| CMT/4-500/205 - 15 | 73 | 86 | 92 | 93 | 98 | 99 | 95 | 92 | 104 |
| 6 POLOS | | | | | | | | | |
| CMT/6-315/130 - 1,1 | 54 | 67 | 70 | 78 | 78 | 79 | 74 | 70 | 84 |
| CMT/6-355/145 - 1,5 | 56 | 69 | 72 | 80 | 80 | 81 | 76 | 72 | 86 |
| CMT/6-400/165 - 2,2 | 58 | 70 | 73 | 81 | 81 | 82 | 78 | 74 | 87 |
| CMT/6-450/185 - 2,2 | 60 | 73 | 76 | 84 | 84 | 85 | 80 | 76 | 90 |

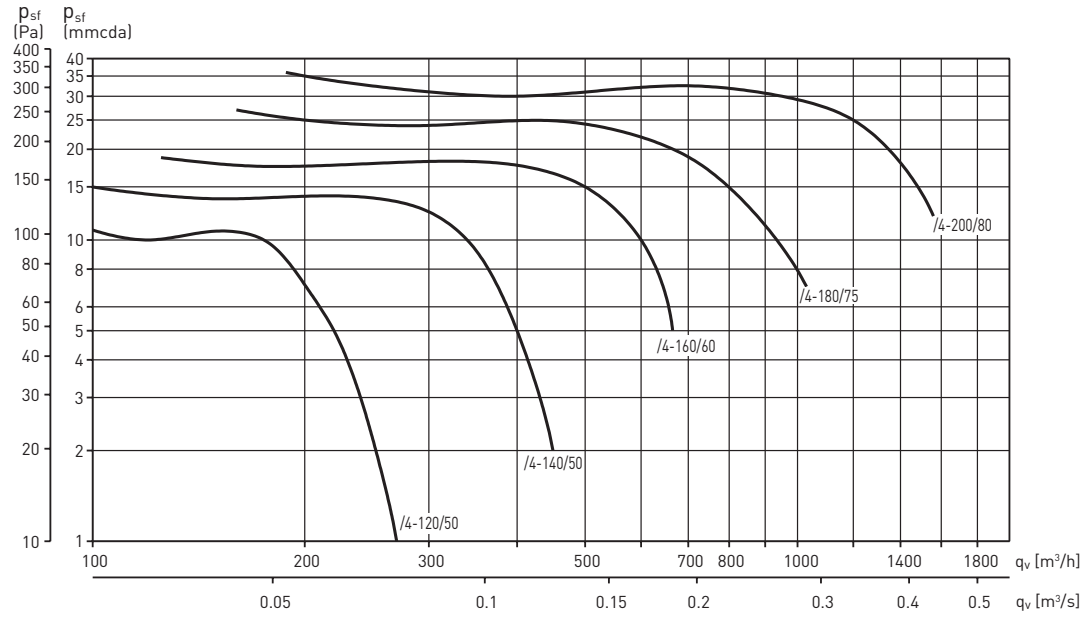
## CURVAS CARACTERÍSTICAS

- $q_v$: Caudal en $m^3/h$ y $m^3/s$
- $p_{sf}$: Presión estática en mmcda y Pa
- Aire seco normal a 20°C y 760 mmHg
- Ensayos realizados de acuerdo a Norma ISO 5801 y AMCA 210-99

CMT/CMB Serie 1 - 2 polos



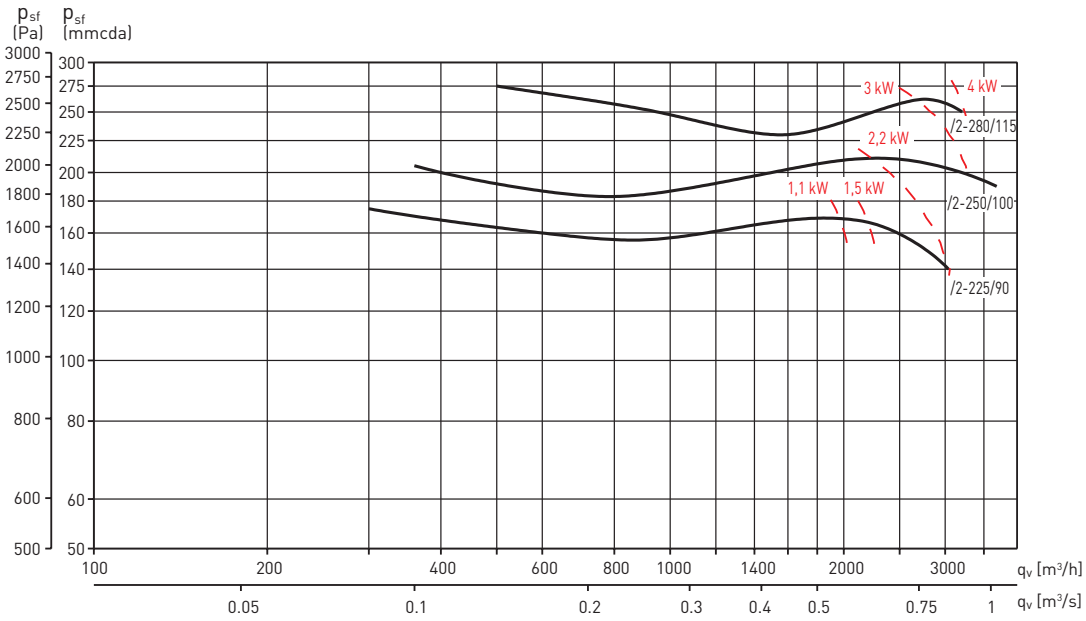

CMT/CMB Serie 1 - 4 polos



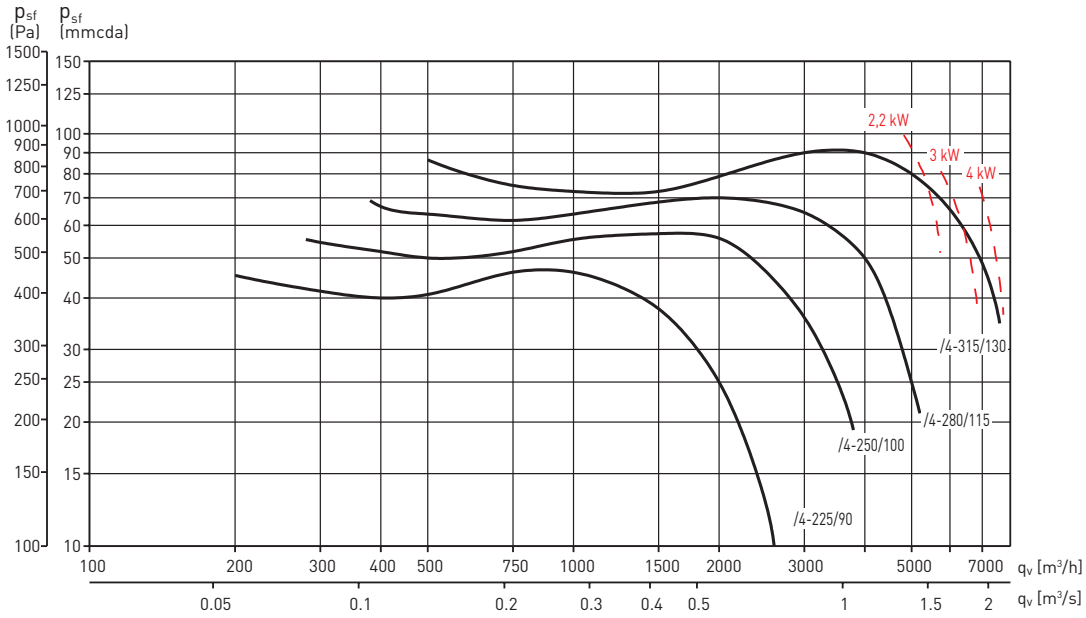
## CURVAS CARACTERÍSTICAS

- $q_v$: Caudal en $m^3/h$ y $m^3/s$
- $p_{sf}$: Presión estática en mmcda y Pa
- Aire seco normal a 20°C y 760 mmHg
- Ensayos realizados de acuerdo a Norma ISO 5801 y AMCA 210-99

CMT Serie 2 - 2 polos



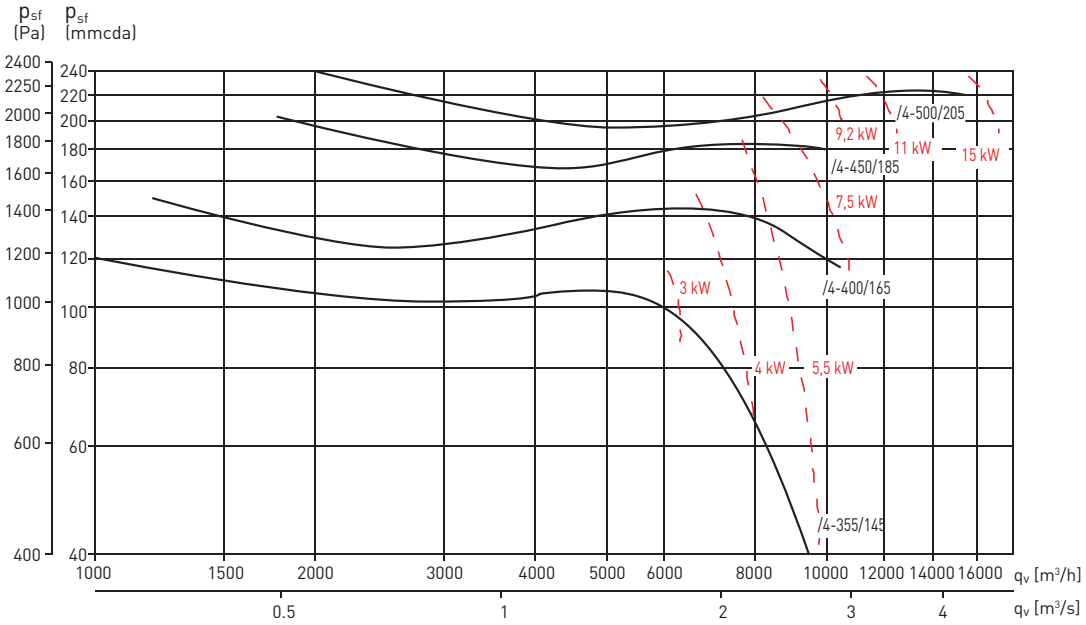

CMT Serie 2 - 4 polos



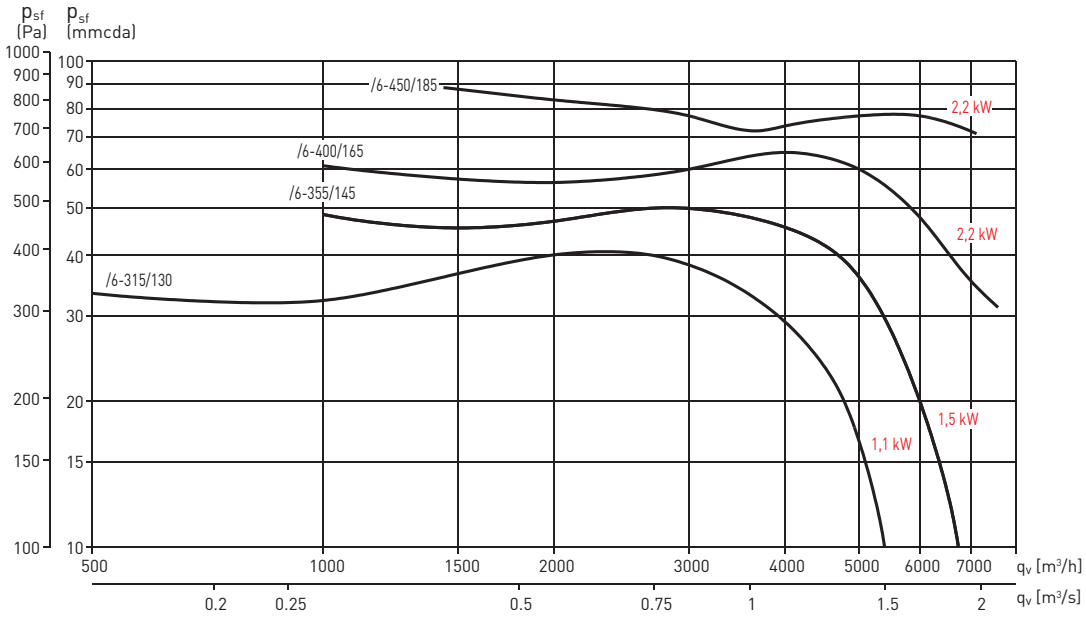
## CURVAS CARACTERÍSTICAS

- $q_v$: Caudal en $m^3/h$ y $m^3/s$
- $p_{sf}$: Presión estática en mmcda y Pa
- Aire seco normal a 20°C y 760 mmHg
- Ensayos realizados de acuerdo a Norma ISO 5801 y AMCA 210-99

CMT Serie 3 - 4 polos

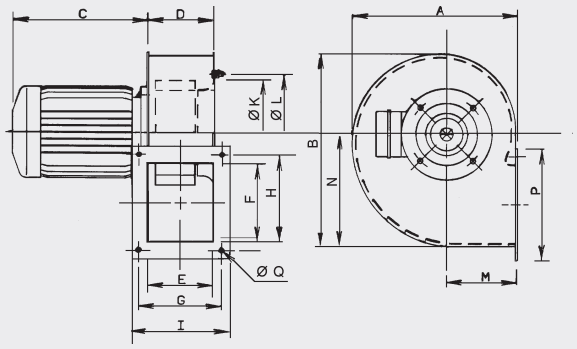



CMT Serie 3 - 6 polos



## DIMENSIONES (mm)

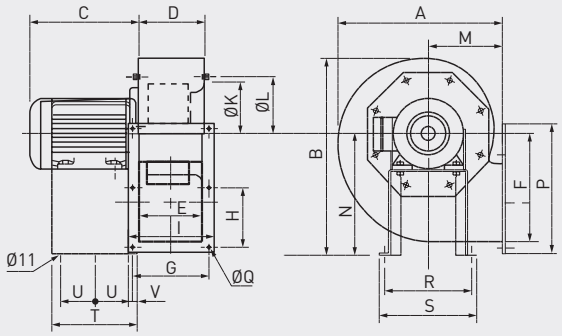
Serie 1




| Modelo | A | B | C1 | | D | E | F | G | H | I | K | L | M | N | P | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 2* | 4* | | | | | | | | | | | | |
| 120/50 | 180 | 203 | 153 | 153 | 74,5 | 72 | 85 | 92 | 105 | 106 | 113 | 132 | 81 | 116 | 118 | 5,5 |
| 140/50 | 222 | 249 | 177 | 153 | 82,5 | 80 | 105 | 105 | 128 | 123 | 144 | 152 | 100 | 147 | 147 | 7 |
| 160/60 | 254 | 293 | 207 | 153 | 102,5 | 100 | 120 | 128 | 148 | 153 | 166 | 180 | 109 | 171 | 172 | 7 |
| 180/75 | 302 | 347 | 232 | 177 | 117,5 | 115 | 140 | 145 | 170 | 168 | 187,5 | 210 | 128 | 203 | 192 | 9 |
| 200/60 | 300 | 347 | 207 | – | 107,5 | 105 | 100 | 135 | 128 | 158 | 209 | 230 | 128 | 203 | 152 | 9 |
| 200/80 | 321 | 375 | 232 | 207 | 132,5 | 130 | 160 | 160 | 188 | 183 | 209 | 230 | 138 | 222 | 212 | 9 |

* Número de polos

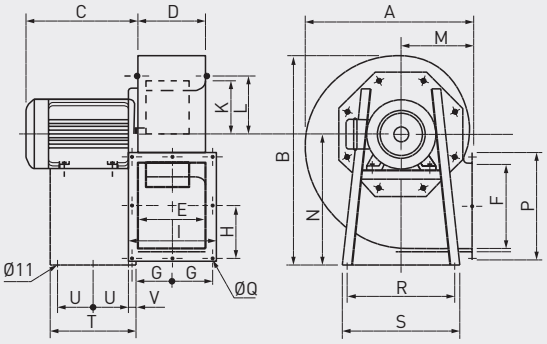
Serie 2




| Modelo | A | B | C1 | | D | E | F | G | H | I | K | L | M | N | P | Q | R | S | T | U | V |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 2* | 4* | | | | | | | | | | | | | | | | | |
| 225/90 | 386 | 452 | 248 | 235 | 144 | 140 | 216 | 180 | 128 | 203 | 234 | 256 | 181 | 280 | 279 | 10 | 220 | 250 | 200 | 3x50 | 29 |
| 250/100 | 425 | 501 | 300 | 248 | 169 | 165 | 250 | 205 | 145 | 228 | 261 | 282 | 197 | 310 | 313 | 10 | 228 | 260 | 225 | 3x74 | 27 |
| 280/115 | 471 | 553 | 320 | 300 | 184 | 184 | 300 | 220 | 170 | 243 | 293 | 320 | 216 | 340 | 363 | 10 | 245 | 275 | 240 | 2x95 | 27 |
| 315/130 | 524 | 628 | – | 320 | 206 | 200 | 320 | 240 | 180 | 263 | 326 | 354 | 238 | 390 | 383 | 11 | 322 | 352 | 230 | 2x140 | 20 |

* Número de polos

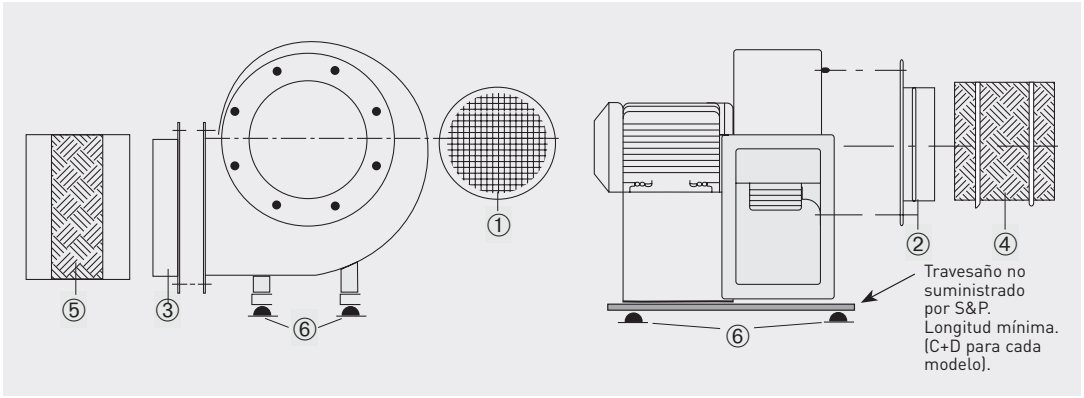
Serie 3



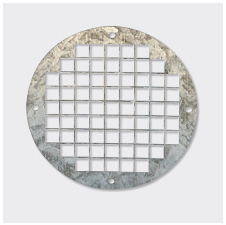

| Modelo | A | B | C max. | | D | E | F | G | H | I | K | L | M | N | P | Q | R | S | T | U | V |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | /4* | /6* | | | | | | | | | | | | | | | | | |
| 355/145 | 572 | 713 | 390 | 320 | 231 | 228 | 280 | 133 | 159 | 291 | 367 | 394 | 250 | 445 | 343 | 11 | 420 | 450 | 333 | 2x136,5 | 30 |
| 400/165 | 632 | 796 | 425 | 340 | 254 | 250 | 320 | 150 | 185 | 334 | 413 | 438 | 270 | 495 | 404 | 11 | 402 | 438 | 327 | 2x133,5 | 30 |
| 450/185 | 709 | 898 | 425 | 340 | 288 | 284 | 360 | 164 | 202 | 368 | 463 | 485 | 302 | 560 | 444 | 11 | 502 | 538 | 340 | 2x140 | 30 |
| 500/205 | 795 | 984 | 550 | – | 319 | 315 | 450 | 182,5 | 250 | 409 | 513 | 535 | 345 | 610 | 544 | 11 | 613 | 653 | 435 | 2x187,5 | 30 |

* Número de polos

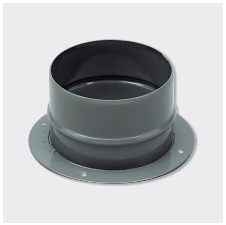
## ACCESORIOS DE MONTAJE



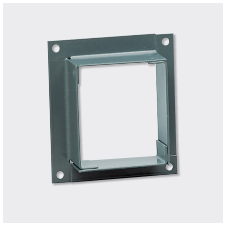

| CMB/CMT | ① Defensa de aspiración | ② Brida de aspiración | ③ Brida de descarga | ④ Acoplamiento elástico circular | ⑤ Acoplamiento elástico rectangular | ⑥ Soportes antivibratorios (1 KSE = 4 soportes) |
|---|---|---|---|---|---|---|
| 120/50 | KRJ-120 | KBA-120 | KBD-120 | ACOPEL F400-120/160 N | KAD-120 | – |
| 140/50 | KRJ-140 | KBA-140 | KBD-140 | ACOPEL F400-140/160 N | KAD-140 | – |
| 160/60 | KRJ-160 | KBA-160 | KBD-160 | ACOPEL F400-160/160 N | KAD-160 | – |
| 180/75 | KRJ-180 | KBA-180 | KBD-180 | ACOPEL F400-180/160 N | KAD-180 | – |
| 200/60 | KRJ-200 | KBA-200 | KBD-200/60 | ACOPEL F400-200/160 N | KAD-200/60 | – |
| 200/80 | KRJ-200 | KBA-200 | KBD-200/80 | ACOPEL F400-200/160 N | KAD-200/80 | – |
| 225/90 | KRJ-225 | KBA-225 | KBD-225 | ACOPEL F400-225/160 N | KAD-225 | Potencia motor <= 3 kW: KSE-45<br>Potencia motor >= 4 kW: KSE-70 |
| 250/100 | KRJ-250 | KBA-250 | KBD-250 | ACOPEL F400-250/160 N | KAD-250 | |
| 280/115 | KRJ-280 | KBA-280 | KBD-280 | ACOPEL F400-280/160 N | KAD-280 | |
| 315/130 | KRJ-315 | KBA-315 | KBD-315 | ACOPEL F400-315/160 N | KAD-315 | |
| 355/145 | KRJ-355 | KBA-355 | KBD-355 | ACOPEL F400-355/160 N | KAD-355 | |
| 400/165 | KRJ-400 | KBA-400 | KBD-400 | ACOPEL F400-400/160 N | KAD-400 | |
| 450/185 | KRJ-450 | KBA-450 | KBD-450 | ACOPEL F400-450/160 N | KAD-450 | |
| 500/205 | KRJ-500 | KBA-500 | KBD-500 | ACOPEL F400-500/160 N | KAD-500 | |



**KRJ**
Defensa de aspiración.



**KBA**
Brida circular de aspiración.



**KBD**
Brida rectangular de descarga.



**ACOPEL F400 N**
Acoplamiento elástico circular.
Certificado 400ºC/2h.

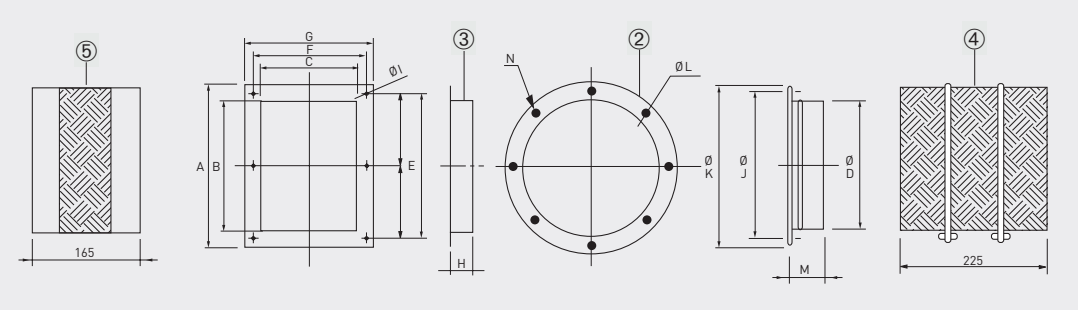


**KAD**
Acoplamiento elástico rectangular.



**KSE**
Soporte Elástico Antivibratorio.

## ACCESORIOS DE MONTAJE - DIMENSIONES (mm)



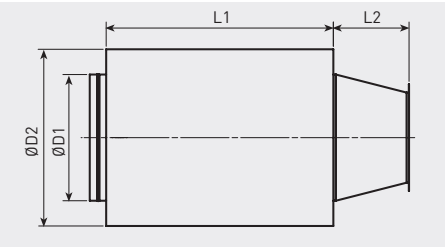

| Modelo de accesorio | A | B | C | ØD | E | F | G | H | ØI | ØJ | ØK | ØL | M | N |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 120/50 | 118 | 87 | 75 | 112 | 105 | 92 | 106 | 40 | 5,5 | 132 | 150 | 5 | 65 | 4 |
| 140/50 | 147 | 107 | 83 | 125 | 128 | 105 | 123 | 40 | 7 | 152 | 170 | 5 | 65 | 4 |
| 160/60 | 172 | 122 | 103 | 160 | 148 | 128 | 153 | 40 | 7 | 180 | 205 | 7 | 65 | 4 |
| 180/75 | 192 | 142 | 118,5 | 180 | 170 | 145 | 168 | 40 | 9 | 210 | 244 | 7 | 65 | 4 |
| 200/60 | 158 | 108,5 | 102 | 200 | 135 | 128 | 152 | 45 | 9 | 230 | 255 | 7 | 65 | 4 |
| 200/80 | 212 | 162 | 134 | 200 | 188 | 160 | 183 | 45 | 9 | 230 | 255 | 7 | 65 | 4 |
| 225/90 | 279 | 219 | 143 | 224 | 256 | 180 | 203 | 45 | 10 | 256 | 280 | 9 | 65 | 8 |
| 250/100 | 313 | 253 | 168 | 250 | 290 | 205 | 228 | 45 | 10 | 282 | 306 | 9 | 65 | 8 |
| 280/115 | 363 | 303 | 183 | 280 | 340 | 220 | 243 | 50 | 10 | 320 | 348 | 9 | 65 | 8 |
| 315/130 | 383 | 323 | 203 | 315 | 360 | 240 | 263 | 50 | 11 | 354 | 382 | 9 | 65 | 8 |
| 355/145 | 343 | 283 | 231 | 355 | 318 | 266 | 291 | 50 | 11 | 394 | 422 | 9 | 65 | 8 |
| 400/165 | 404 | 324 | 254 | 400 | 370 | 300 | 334 | 55 | 11 | 438 | 464 | 9 | 65 | 8 |
| 450/185 | 444 | 364 | 288 | 450 | 404 | 328 | 368 | 55 | 11 | 485 | 515 | 9 | 65 | 8 |
| 500/205 | 544 | 454 | 319 | 500 | 500 | 365 | 409 | 60 | 11 | 535 | 565 | 9 | 65 | 8 |



**KMTA**
Silenciadores para colocar en la aspiración de los CMT.

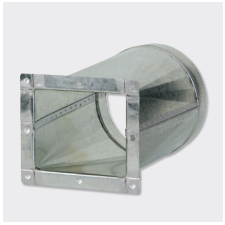


**KMTI**
Silenciadores para colocar en la descarga de los CMT.

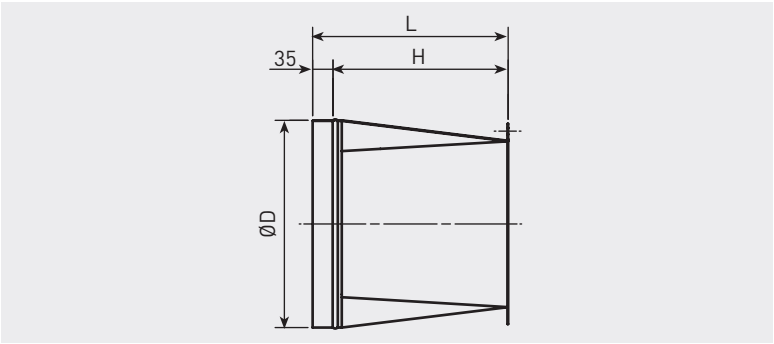



| CMT | KMTA | KMTI | L1 | L2 (KMTA) | L2 (KMTI) | D1 | D2 |
|---|---|---|---|---|---|---|---|
| 225 | KMTA-225 | KMTI-225 | 600 | 250 | 300 | 315 | 515 |
| 250 | KMTA-250 | KMTI-250 | 900 | 250 | 300 | 355 | 555 |
| 280 | KMTA-280 | KMTI-280 | 900 | 300 | 300 | 400 | 600 |
| 315 | KMTA-315 | KMTI-315 | 900 | 300 | 300 | 450 | 650 |
| 355 | KMTA-355 | KMTI-355 | 900 | 300 | 300 | 500 | 700 |
| 400 | KMTA-400 | KMTI-400 | 900 | 300 | 300 | 500 | 700 |
| 450 | KMTA-450 | KMTI-450 | 900 | 300 | 450 | 560 | 760 |
| 500 | KMTA-500 | KMTI-500 | 900 | 300 | 450 | 630 | 830 |

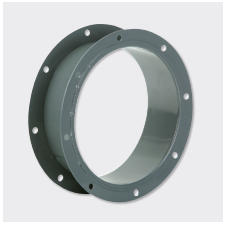
## ACCESORIOS



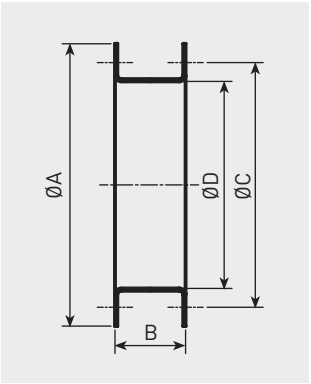
**KMBI**
Acoplamiento rectangular / circular para montar en la descarga de los CMT.



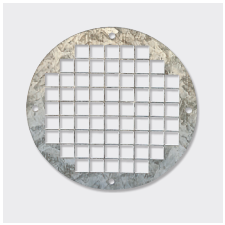

| CMT | KMBI | L | H | D | CMT | KMBI | L | H | D |
|---|---|---|---|---|---|---|---|---|---|
| 120 | KMBI-120 | 235 | 200 | 125 | 250 | KMBI-250 | 335 | 300 | 250 |
| 140 | KMBI-140 | 235 | 200 | 140 | 280 | KMBI-280 | 335 | 300 | 280 |
| 160 | KMBI-160 | 235 | 200 | 160 | 315 | KMBI-315 | 335 | 300 | 315 |
| 180 | KMBI-180 | 235 | 200 | 180 | 355 | KMBI-355 | 335 | 300 | 355 |
| 200/60 | KMBI-200 | 335 | 300 | 200 | 400 | KMBI-400 | 335 | 300 | 400 |
| 200/80 | KMBI-201 | 335 | 300 | 200 | 450 | KMBI-450 | 485 | 450 | 450 |
| 225 | KMBI-225 | 335 | 300 | 225 | 500 | KMBI-500 | 485 | 450 | 500 |



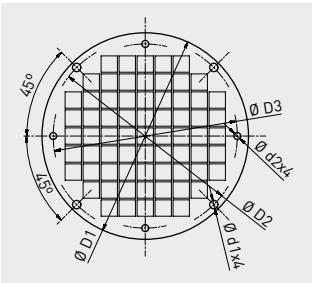
**KMBD**
Doble brida para montar en la aspiración de los CMT.



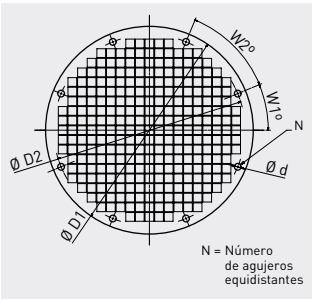

| CMT | KMBD | A | B | C | D |
|---|---|---|---|---|---|
| 120 | KMBD-120 | 150 | 60 | 132 | 112 |
| 140 | KMBD-140 | 170 | 80 | 152 | 125 |
| 160 | KMBD-160 | 205 | 80 | 180 | 160 |
| 180 | KMBD-180 | 244 | 80 | 210 | 180 |
| 200 | KMBD-200 | 255 | 80 | 230 | 200 |
| 225 | KMBD-225 | 280 | 80 | 256 | 224 |
| 250 | KMBD-250 | 306 | 80 | 282 | 250 |
| 280 | KMBD-280 | 346 | 100 | 320 | 280 |
| 315 | KMBD-315 | 382 | 100 | 354 | 315 |
| 355 | KMBD-355 | 422 | 100 | 394 | 366 |
| 400 | KMBD-400 | 464 | 100 | 438 | 400 |
| 450 | KMBD-450 | 515 | 100 | 485 | 450 |
| 500 | KMBD-500 | 565 | 100 | 535 | 500 |



**KRJ**
Defensa de aspiración.




| CMT | KRJ | D1 | D2 | D3 | d1 | d2 |
|---|---|---|---|---|---|---|
| 120 | KRJ-120 | 148 | 132 | 139 | 5 | 6 |
| 140 | KRJ-140 | 165 | 152 | 147 | 5 | 9 |




| CMT | KRJ | D1 | D2 | d | N | W1° | W2° |
|---|---|---|---|---|---|---|---|
| 160 | KRJ-160 | 200 | 180 | 7 | 8 | 0 | 45 |
| 180 | KRJ-180 | 242 | 210 | 7 | 4 | 0 | 90 |
| 200 | KRJ-200 | 254 | 230 | 7 | 4 | 0 | 90 |
| 225 | KRJ-225 | 278 | 256 | 9 | 8 | 22,5 | 45 |
| 250 | KRJ-250 | 305 | 282 | 9 | 8 | 22,5 | 45 |
| 280 | KRJ-280 | 346 | 320 | 9 | 8 | 22,5 | 45 |
| 315 | KRJ-315 | 380 | 354 | 9 | 8 | 22,5 | 45 |
| 355 | KRJ-355 | 420 | 394 | 9 | 8 | 22,5 | 45 |
| 400 | KRJ-400 | 462 | 438 | 9 | 8 | 22,5 | 45 |
| 450 | KRJ-450 | 514 | 485 | 9 | 8 | 22,5 | 45 |
| 500 | KRJ-500 | 564 | 535 | 9 | 8 | 22,5 | 45 |

## ACCESORIOS ELÉCTRICOS



**REB**
Reguladores de velocidad electrónicos monofásicos.



**RMT**
Reguladores electromecánicos trifásicos.



**VFTM TRI IP54**
Convertidores de frecuencia para motores de 0,37 a 15 kW 400V.

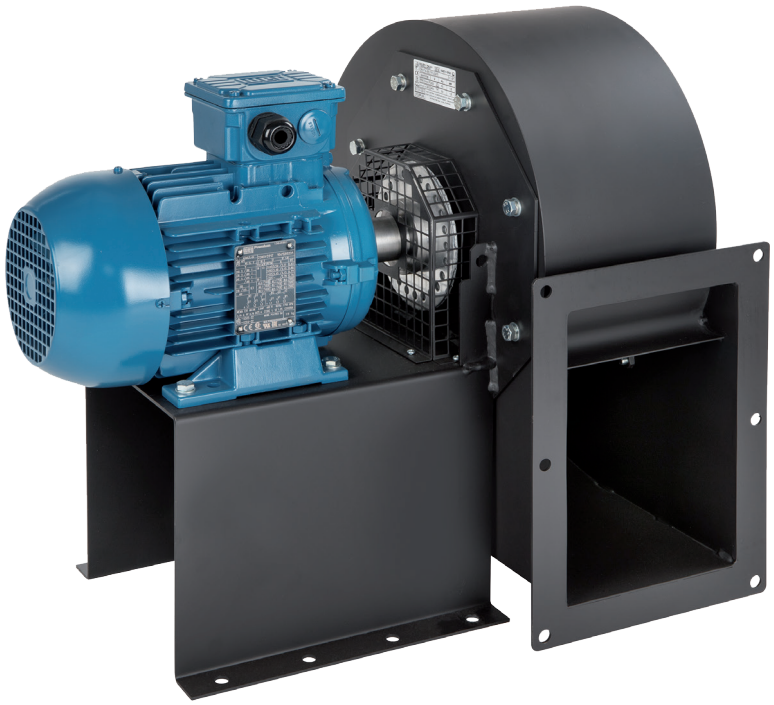
# CTMT

## VENTILADORES CENTRÍFUGOS DE BAJA PRESIÓN

*ACOPLAMIENTO DIRECTO*

Ventiladores centrífugos de simple aspiración, capacitados para trasegar aire en continuo hasta 250ºC (Serie 1) o 150ºC (Series 2 y 3), carcasa de chapa de acero protegida con pintura epoxi-poliéster anticorrosiva, rodete de álabes hacia adelante de acero galvanizado, equilibrado dinámicamente y motor IP55, Clase F [1], con rodamientos a bolas de engrase permanente.

(1) Algunos modelos de la Serie 1 son IP44, Clase B (ver cuadro de características).





**Rodete equilibrado dinámicamente**
Rodete de álabes hacia adelante, equilibrado dinámicamente según norma ISO 1940, para reducir el ruido y evitar vibraciones.

### Motores

Clase IE3. De 2, 4 o 6 polos, según versiones.
Tensión de alimentación:
Monofásicos 230V-50Hz
Trifásicos 230/400V-50Hz, hasta 3 kW
400V-50Hz, para potencias superiores
(Ver cuadro de características).

### Otros datos

Los modelos de las Series 2 y 3 incorporan bancada.
Los motores pueden situarse a derecha o izquierda. La voluta se puede orientar, en cada caso, para ofrecer hasta 16 combinaciones distintas.
Orientación estándar: LG 270.

### Bajo demanda

- Orientaciones RD.
- Motor de 2 velocidades.
- Versiones de acero inoxidable INOX-304 o 316.

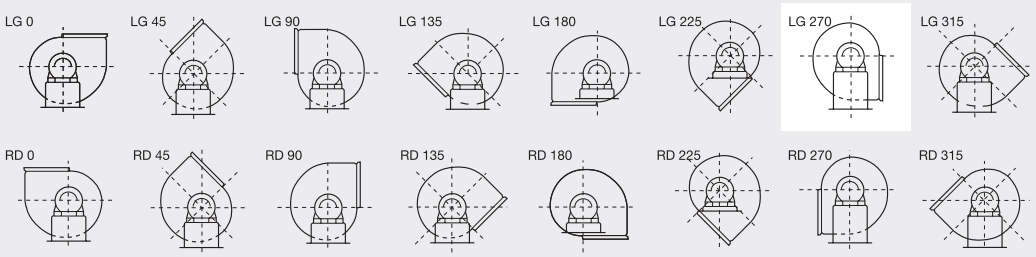
### Versiones ATEX

Bajo pedido, versiones antiexplosivas según la Directiva ATEX para modelos trifásicos:
Para trabajar a temperaturas de -20ºC a +40ºC.

- ATEX AntideFlagrantes - Gas
  Ⓔx II 2G Ex d IIB T4
  Ⓔx II 2G Ex d IIB+H2 T4 (con motor Ex d IIC T4)
  En versión ATEX estándar, los motores antideflagrantes se entregan sin protección térmica. Para utilizar con convertidor de frecuencia pedir motores antideFlagrantes con protector térmico tipo PTC.
- ATEX Seguridad aumentada - Gas:
  Ⓔx II 2G Ex e II T3
- ATEX - Polvo
  Particulas en suspension inflamables y polvo no conductor:
  Ⓔx II 3D Ex tc IIIB T125ºC
  Polvo conductor:
  Ⓔx II 3D Ex tc IIIC T125ºC (con motor IP65)
  En versión ATEX estándar, los motores ATEX para polvo se entregan sin protección térmica. Para utilizar con convertidor de frecuencia pedir motores ATEX para polvo con protector térmico tipo PTC.

Para seleccionar modelos CMT ATEX, ver las curvas características, o bien el programa de selección de producto EasyVent.
Los datos eléctricos de los modelos ATEX pueden variar respecto a los datos indicados en las tablas características. Consulte la disponibilidad de otras versiones, y de modelos monofásicos con motores ATEX.

## ORIENTACIONES




Orientación estándar: LG 270. El resto de las orientaciones se fabrican bajo demanda.

## CARACTERÍSTICAS TÉCNICAS

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación

| Serie 1 | Velocidad (r.p.m.) | Protección | Motor clase | Potencia útil (kW) | Intensidad máxima absorbida (A) | | Caudal máximo ($m^3/h$) | Nivel presión sonora (dB(A)* | Peso (kg) | Temperatura máxima aire (ºC) | Regulador de velocidad opcional |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 230 V | 400 V | | | | | |
| MONOFÁSICOS 2 POLOS | | | | | | | | | | | |
| CTMB/2-120/50 - 0,09 | 2800 | IP44 | B | 0,09 | 0,7 | – | 495 | 62 | 4 | 80 | – |
| CTMB/2-140/50 - 0,25 | 2800 | IP55 | F | 0,25 | 2 | – | 870 | 66 | 8 | 110 | – |
| CTMB/2-160/60 - 0,37 | 2800 | IP55 | F | 0,37 | 2,8 | – | 1.120 | 69 | 9 | 110 | – |
| CTMB/2-180/75 - 0,75 | 2800 | IP55 | F | 0,75 | 4,9 | – | 1.800 | 71 | 15 | 110 | – |
| CTMB/2-200/60 - 0,37 | 2800 | IP55 | F | 0,37 | 2,8 | – | 935 | 69 | 9 | 110 | – |
| CTMB/2-200/80 - 1,1 | 2800 | IP55 | F | 1,1 | 7,3 | – | 2.270 | 74 | 17 | 110 | – |
| MONOFÁSICOS 4 POLOS | | | | | | | | | | | |
| CTMB/4-120/50 - 0,01 | 1400 | IP44 | B | 0,01 | 0,21 | – | 270 | 55 | 4 | 80 | REB-1N |
| CTMB/4-140/50 - 0,06 | 1400 | IP44 | B | 0,06 | 0,35 | – | 450 | 59 | 7 | 80 | REB-1N |
| CTMB/4-160/60 - 0,07 | 1400 | IP44 | B | 0,07 | 0,6 | – | 665 | 62 | 7 | 80 | REB-1N |
| CTMB/4-180/75 - 0,18 | 1400 | IP55 | F | 0,18 | 1,45 | – | 1.030 | 64 | 10 | 110 | – |
| CTMB/4-200/80 - 0,40 | 1400 | IP55 | F | 0,40 | 3,2 | – | 1.560 | 67 | 13 | 110 | – |
| TRIFÁSICOS 2 POLOS | | | | | | | | | | | |
| CTMT/2-120/50 - 0,09 | 2800 | IP44 | B | 0,09 | 0,54 | 0,32 | 495 | 62 | 4 | 80 | RMT-1,5 |
| CTMT/2-140/50 - 0,25 | 2800 | IP55 | F | 0,25 | 1 | 0,6 | 870 | 66 | 8 | 110 | VFTM TRI 0,37 |
| CTMT/2-160/60 - 0,37 | 2800 | IP55 | F | 0,37 | 1,8 | 1,05 | 1.120 | 69 | 9 | 110 | VFTM TRI 0,37 |
| CTMT/2-180/75 - 0,75 | 2800 | IP55 | F | 0,75 | 3,3 | 1,9 | 1.800 | 71 | 15 | 110 | VFTM TRI 0,75 |
| CTMT/2-200/60 - 0,37 | 2800 | IP55 | F | 0,37 | 1,8 | 1,05 | 935 | 69 | 9 | 110 | VFTM TRI 0,37 |
| CTMT/2-200/80 - 1,1 | 2800 | IP55 | F | 1,1 | 4,67 | 2,7 | 2.270 | 74 | 17 | 110 | VFTM TRI 1,1 |
| TRIFÁSICOS 4 POLOS | | | | | | | | | | | |
| CTMT/4-120/50 - 0,01 | 1400 | IP44 | B | 0,01 | 0,2 | 0,12 | 270 | 55 | 4 | 80 | RMT-1,5 |
| CTMT/4-140/50 - 0,06 | 1400 | IP44 | B | 0,06 | 0,32 | 0,18 | 450 | 59 | 7 | 80 | RMT-1,5 |
| CTMT/4-160/60 - 0,07 | 1400 | IP44 | B | 0,07 | 0,58 | 0,33 | 665 | 62 | 7 | 80 | RMT-1,5 |
| CTMT/4-180/75 - 0,18 | 1400 | IP55 | F | 0,18 | 0,9 | 0,52 | 1.030 | 64 | 10 | 110 | VFTM TRI 0,37 |
| CTMT/4-200/80 - 0,25 | 1400 | IP55 | F | 0,25 | 1,26 | 0,73 | 1.560 | 67 | 13 | 110 | VFTM TRI 0,37 |

* Los valores de los niveles sonoros son presiones sonoras en dB(A) calculadas a 1,5 m a la descarga de los extractores, con el caudal máximo (Q máx).

## CARACTERÍSTICAS TÉCNICAS

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación

| Serie 2 | Velocidad (r.p.m.) | Protección | Motor clase | Potencia útil (kW) | Intensidad máxima absorbida (A) | | Caudal máximo ($m^3/h$) | Nivel presión sonora (dB(A)* | Peso (kg) | Tipo de antivibratorios (KSE) | Regulador de velocidad opcional |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 230 V | 400 V | | | | | |
| MONOFÁSICOS 4 POLOS | | | | | | | | | | | |
| CTMB/4-225/ 90 - 0,55 | 1390 | IP55 | F | 0,55 | 4,39 | – | 2.600 | 71 | 22 | 45 | – |
| CTMB/4-250/100 - 1,1 | 1390 | IP55 | F | 1,1 | 7,09 | – | 3.790 | 72 | 32 | 45 | – |
| TRIFÁSICOS 2 POLOS | | | | | | | | | | | |
| CTMT/2-225/ 90 - 1,1 | 2780 | IP55 | F | 1,1 | 4,7 | 2,7 | 2.080 | 66 | 23 | 45 | VFTM TRI 1,1 |
| CTMT/2-225/ 90 - 1,5 | 2800 | IP55 | F | 1,5 | 5,96 | 3,45 | 2.170 | 71 | 27 | 45 | VFTM TRI 1,5 |
| CTMT/2-225/ 90 - 2,2 | 2820 | IP55 | F | 2,2 | 8,5 | 4,9 | 3.040 | 76 | 30 | 45 | VFTM TRI 2,2 |
| CTMT/2-250/100 - 2,2 | 2820 | IP55 | F | 2,2 | 8,5 | 4,9 | 2.080 | 73 | 34 | 45 | VFTM TRI 2,2 |
| CTMT/2-250/100 - 3 | 2820 | IP55 | F | 3 | 10,9 | 6,3 | 3.685 | 79 | 36 | 45 | VFTM TRI 3 |
| CTMT/2-280/115 - 3 | 2820 | IP55 | F | 3 | 10,9 | 6,3 | 2.600 | 77 | 43 | 45 | VFTM TRI 3 |
| CTMT/2-280/115 - 4 | 2870 | IP55 | F | 4 | – | 8,4 | 3.210 | 81 | 47 | 45 | VFTM TRI 4 |
| TRIFÁSICOS 4 POLOS | | | | | | | | | | | |
| CTMT/4-225/ 90 - 0,55 | 1360 | IP55 | F | 0,55 | 2,2 | 1,27 | 2.600 | 71 | 22 | 45 | VFTM TRI 0,55 |
| CTMT/4-250/100 - 1,1 | 1390 | IP55 | F | 1,1 | 4,8 | 2,8 | 3.790 | 72 | 32 | 45 | VFTM TRI 1,1 |
| CTMT/4-280/115 - 2,2 | 1400 | IP55 | F | 2,2 | 9,1 | 5,3 | 5.200 | 75 | 43 | 45 | VFTM TRI 2,2 |
| CTMT/4-315/130 - 2,2 | 1400 | IP55 | F | 2,2 | 9,1 | 5,3 | 5.660 | 72 | 48 | 45 | VFTM TRI 2,2 |
| CTMT/4-315/130 - 3 | 1400 | IP55 | F | 3 | 12,6 | 7,3 | 6.800 | 75 | 51 | 45 | VFTM TRI 4 |
| CTMT/4-315/130 - 4 | 1420 | IP55 | F | 4 | – | 9,3 | 7.100 | 78 | 57 | 70 | VFTM TRI 4 |
| TRIFÁSICOS 6 POLOS | | | | | | | | | | | |
| CTMT/6-315/130 - 1,1 | 930 | IP55 | F | 1,1 | 6,6 | 3,8 | 5.400 | 69 | 44 | 45 | VFTM TRI 1,5 |

| Serie 3 | Velocidad (r.p.m.) | Protección | Motor clase | Potencia útil (kW) | Intensidad máxima absorbida (A) | | Caudal máximo ($m^3/h$) | Nivel presión sonora (dB(A)* | Peso (kg) | Tipo de antivibratorios (KSE) | Regulador de velocidad opcional |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 230 V | 400 V | | | | | |
| TRIFÁSICOS 4 POLOS | | | | | | | | | | | |
| CTMT/4-355/145 - 3 | 1400 | IP55 | F | 3 | 12,65 | 7,3 | 6.325 | 75 | 52 | 45 | VFTM TRI 4 |
| CTMT/4-355/145 - 4 | 1420 | IP55 | F | 4 | – | 9,3 | 7.740 | 78 | 58 | 70 | VFTM TRI 4 |
| CTMT/4-355/145 - 5,5 | 1445 | IP55 | F | 5,5 | – | 12 | 9.450 | 81 | 69 | 70 | VFTM TRI 5,5 |
| CTMT/4-400/165 - 4 | 1420 | IP55 | F | 4 | – | 9,3 | 7.200 | 77 | 70 | 70 | VFTM TRI 4 |
| CTMT/4-400/165 - 5,5 | 1445 | IP55 | F | 5,5 | – | 12 | 8.300 | 80 | 80 | 70 | VFTM TRI 5,5 |
| CTMT/4-400/165 - 7,5 | 1445 | IP55 | F | 7,5 | – | 15,5 | 10.460 | 83 | 99 | 70 | VFTM TRI 7,5 |
| CTMT/4-450/185 - 5,5 | 1445 | IP55 | F | 5,5 | – | 12 | 7.560 | 83 | 92 | 70 | VFTM TRI 5,5 |
| CTMT/4-450/185 - 7,5 | 1445 | IP55 | F | 7,5 | – | 15,5 | 9.900 | 86 | 111 | 70 | VFTM TRI 7,5 |
| CTMT/4-500/205 - 7,5 | 1445 | IP55 | F | 7,5 | – | 15,5 | 8.410 | 83 | 112 | 70 | VFTM TRI 7,5 |
| CTMT/4-500/205 - 9,2 | 1450 | IP55 | F | 9,2 | – | 21,5 | 10.300 | 85 | 120 | 70 | VFTM TRI 11 |
| CTMT/4-500/205 - 11 | 1450 | IP55 | F | 11 | – | 22,5 | 11.250 | 87 | 132 | 70 | VFTM TRI 11 |
| CTMT/4-500/205 - 15 | 1460 | IP55 | F | 15 | – | 31 | 15.930 | 89 | 147 | 70 | VFTM TRI 15 |
| TRIFÁSICOS 6 POLOS | | | | | | | | | | | |
| CTMT/6-355/145 - 1,5 | 945 | IP55 | F | 1,5 | 7,5 | 4,3 | 6.700 | 72 | 53 | 45 | VFTM TRI 2,2 |
| CTMT/6-400/165 - 2,2 | 920 | IP55 | F | 2,2 | 10,74 | 6,2 | 7.590 | 73 | 60 | 70 | VFTM TRI 3 |
| CTMT/6-450/185 - 2,2 | 920 | IP55 | F | 2,2 | 10,74 | 6,2 | 7.110 | 76 | 88 | 70 | VFTM TRI 3 |

* Los valores de los niveles sonoros son presiones sonoras en dB(A) calculadas a 1,5 m a la descarga de los extractores, con el caudal máximo (Q máx).

## CARACTERÍSTICAS ACÚSTICAS

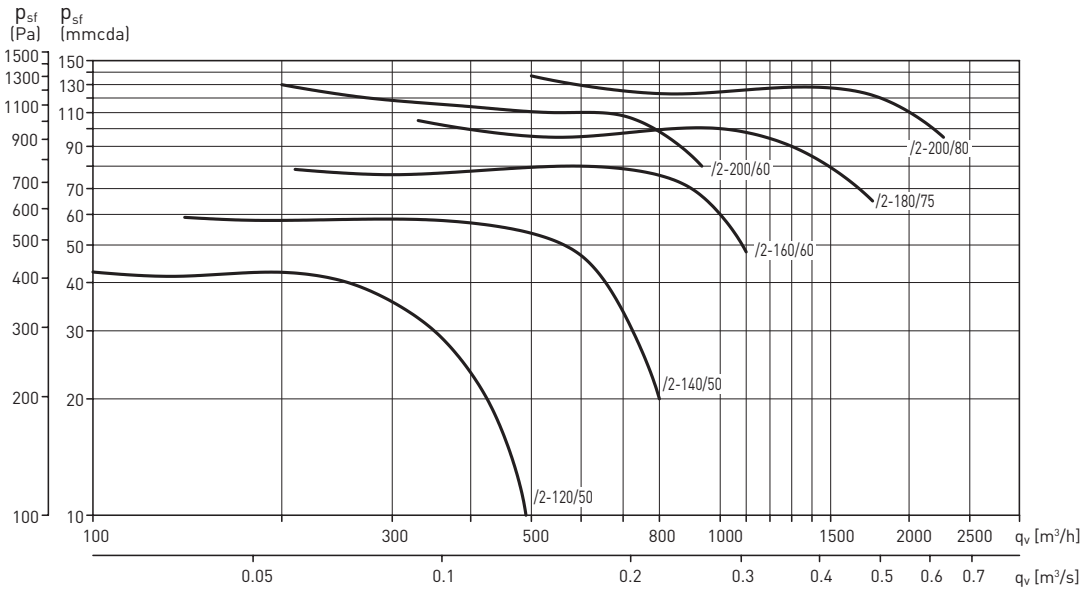
Espectros de potencias sonoras en dB(A) por banda de frecuencia en (Hz)

| Modelo | Espectro de potencias | | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|
| | 63 Hz | 125 Hz | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz | 8000 Hz | Lw |
| 2 POLOS | | | | | | | | | |
| CTMT/2-120/50 - 0,09 | 42 | 53 | 64 | 68 | 70 | 73 | 69 | 67 | 77 |
| CTMT/2-140/50 - 0,25 | 46 | 57 | 68 | 71 | 73 | 77 | 73 | 71 | 81 |
| CTMT/2-160/60 - 0,37 | 48 | 60 | 71 | 74 | 76 | 80 | 75 | 73 | 84 |
| CTMT/2-180/75 - 0,75 | 51 | 62 | 73 | 76 | 78 | 82 | 78 | 76 | 86 |
| CTMT/2-200/60 - 0,37 | 49 | 60 | 71 | 74 | 76 | 80 | 76 | 74 | 84 |
| CTMT/2-200/80 - 1,1 | 53 | 65 | 76 | 79 | 81 | 85 | 80 | 79 | 89 |
| CTMT/2-225/90 - 1,1 | 46 | 57 | 68 | 71 | 73 | 77 | 73 | 71 | 81 |
| CTMT/2-225/90 - 1,5 | 51 | 62 | 73 | 76 | 78 | 82 | 78 | 76 | 86 |
| CTMT/2-225/90 - 2,2 | 56 | 67 | 78 | 81 | 83 | 87 | 83 | 81 | 91 |
| CTMT/2-250/100 - 2,2 | 53 | 64 | 75 | 78 | 80 | 84 | 80 | 78 | 88 |
| CTMT/2-250/100 - 3 | 58 | 69 | 80 | 84 | 86 | 89 | 85 | 83 | 93 |
| CTMT/2-280/115 - 3 | 56 | 67 | 78 | 82 | 84 | 87 | 83 | 81 | 91 |
| CTMT/2-280/115 - 4 | 61 | 72 | 83 | 86 | 88 | 92 | 88 | 86 | 96 |
| 4 POLOS | | | | | | | | | |
| CTMT/4-120/50 - 0,01 | 39 | 52 | 58 | 59 | 64 | 65 | 61 | 58 | 70 |
| CTMT/4-140/50 - 0,06 | 43 | 56 | 62 | 63 | 68 | 69 | 65 | 62 | 74 |
| CTMT/4-160/60 - 0,07 | 46 | 59 | 65 | 66 | 71 | 72 | 68 | 65 | 77 |
| CTMT/4-180/75 - 0,18 | 48 | 61 | 67 | 68 | 73 | 74 | 70 | 67 | 79 |
| CTMT/4-200/60 - 0,07 | 46 | 59 | 65 | 66 | 71 | 72 | 68 | 65 | 76,6 |
| CTMT/4-225/90 - 0,55 | 55 | 67 | 74 | 75 | 80 | 81 | 77 | 73 | 85 |
| CTMT/4-250/100 - 1,1 | 56 | 69 | 75 | 76 | 81 | 82 | 78 | 75 | 87 |
| CTMT/4-280/115 - 2,2 | 59 | 72 | 78 | 79 | 84 | 85 | 81 | 78 | 90 |
| CTMT/4-315/130 - 2,2 | 56 | 69 | 75 | 76 | 81 | 82 | 78 | 75 | 87 |
| CTMT/4-315/130 - 3 | 59 | 72 | 78 | 79 | 84 | 85 | 81 | 78 | 90 |
| CTMT/4-315/130 - 4 | 62 | 75 | 81 | 82 | 87 | 88 | 84 | 81 | 93 |
| CTMT/4-355/145 - 3 | 59 | 72 | 78 | 79 | 84 | 85 | 81 | 78 | 90 |
| CTMT/4-355/145 - 4 | 62 | 75 | 81 | 82 | 87 | 88 | 84 | 81 | 93 |
| CTMT/4-355/145 - 5,5 | 65 | 78 | 84 | 85 | 90 | 91 | 87 | 84 | 94 |
| CTMT/4-400/165 - 4 | 61 | 74 | 80 | 81 | 86 | 87 | 83 | 80 | 93 |
| CTMT/4-400/165 - 5,5 | 64 | 77 | 83 | 84 | 89 | 90 | 86 | 83 | 95 |
| CTMT/4-400/165 - 7,5 | 67 | 80 | 86 | 87 | 92 | 93 | 89 | 86 | 98 |
| CTMT/4-450/185 - 5,5 | 67 | 80 | 86 | 87 | 92 | 93 | 89 | 86 | 98 |
| CTMT/4-450/185 - 7,5 | 70 | 83 | 89 | 90 | 95 | 96 | 92 | 89 | 101 |
| CTMT/4-500/205 - 7,5 | 67 | 80 | 86 | 87 | 92 | 93 | 89 | 86 | 98 |
| CTMT/4-500/205 - 9,2 | 69 | 82 | 88 | 89 | 94 | 95 | 91 | 88 | 100 |
| CTMT/4-500/205 - 11 | 71 | 84 | 90 | 91 | 96 | 97 | 93 | 90 | 102 |
| CTMT/4-500/205 - 15 | 73 | 86 | 92 | 93 | 98 | 99 | 95 | 92 | 104 |
| 6 POLOS | | | | | | | | | |
| CTMT/6-315/130 - 1,1 | 54 | 67 | 70 | 78 | 78 | 79 | 74 | 70 | 84 |
| CTMT/6-355/145 - 1,5 | 56 | 69 | 72 | 80 | 80 | 81 | 76 | 72 | 86 |
| CTMT/6-400/165 - 2,2 | 58 | 70 | 73 | 81 | 81 | 82 | 78 | 74 | 87 |
| CTMT/6-450/185 - 2,2 | 60 | 73 | 76 | 84 | 84 | 85 | 80 | 76 | 90 |

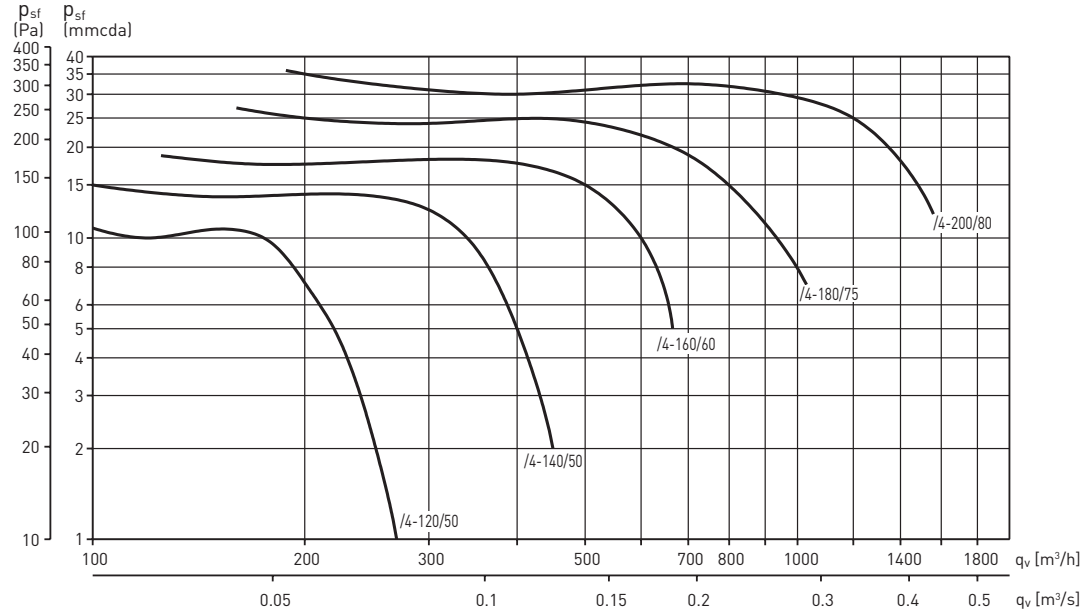
## CURVAS CARACTERÍSTICAS

- $q_v$: Caudal en $m^3/h$ y $m^3/s$
- $p_{sf}$: Presión estática en mmcda y Pa
- Aire seco normal a 20°C y 760 mmHg
- Ensayos realizados de acuerdo a Norma ISO 5801 y AMCA 210-99

CTMT/CTMB Serie 1 - 2 polos



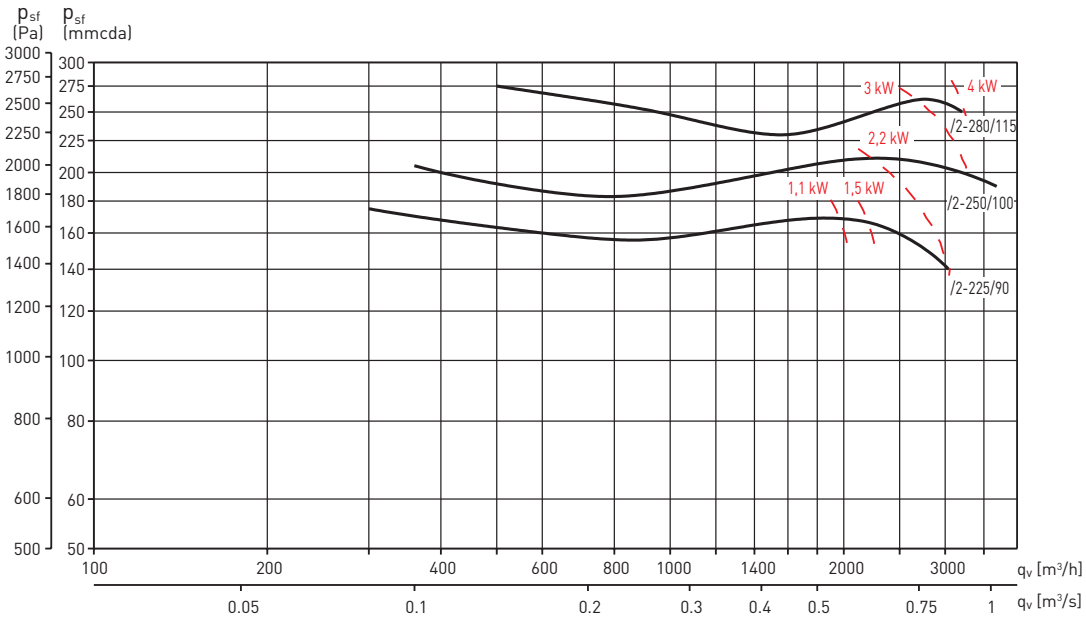

CTMT/CTMB Serie 1 - 4 polos



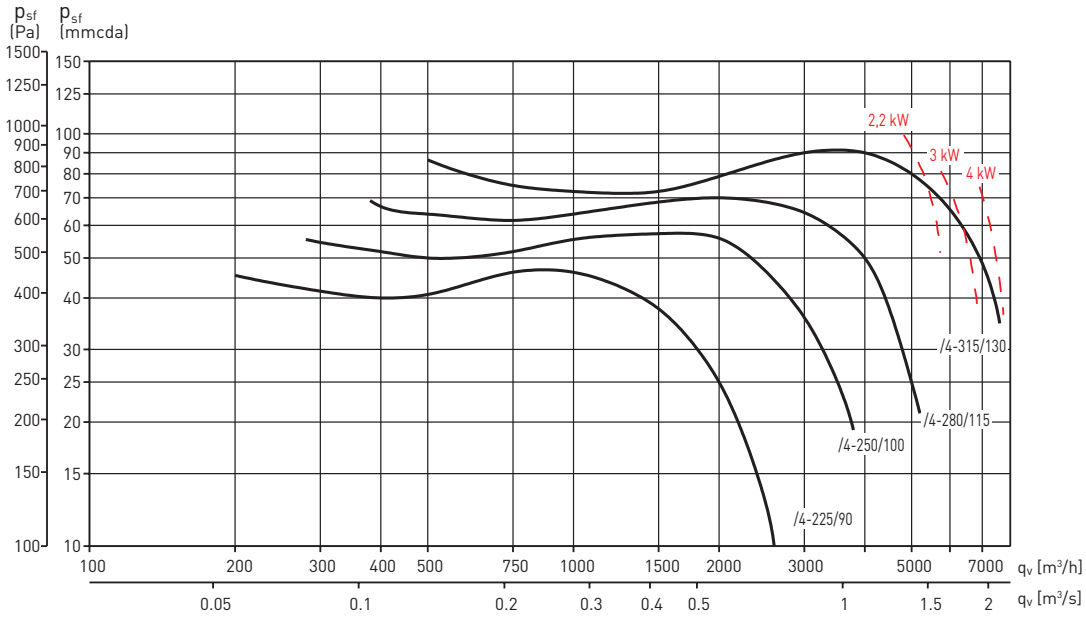
## CURVAS CARACTERÍSTICAS

- $q_v$: Caudal en $m^3/h$ y $m^3/s$
- $p_{sf}$: Presión estática en mmcda y Pa
- Aire seco normal a 20°C y 760 mmHg
- Ensayos realizados de acuerdo a Norma ISO 5801 y AMCA 210-99

CTMT Serie 2 - 2 polos



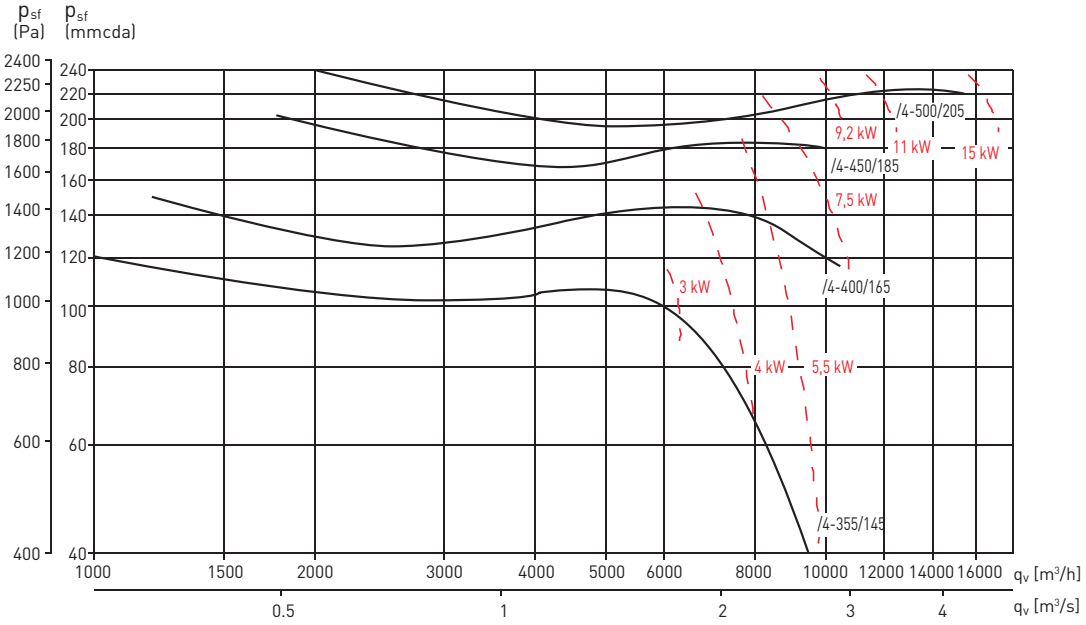

CTMT Serie 2 - 4 polos



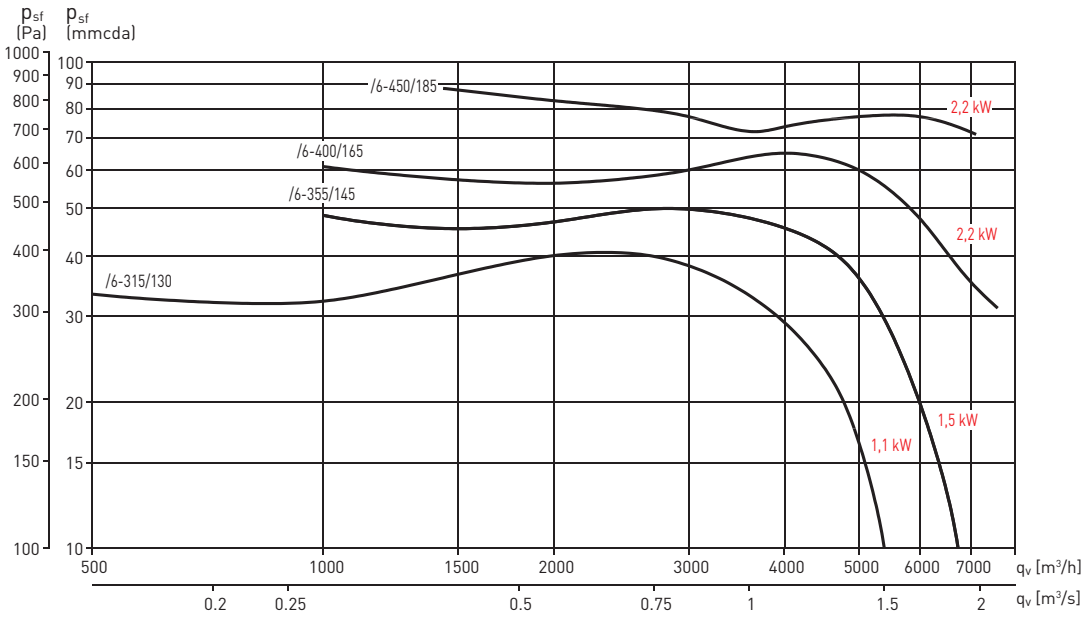
## CURVAS CARACTERÍSTICAS

- $q_v$: Caudal en $m^3/h$ y $m^3/s$
- $p_{sf}$: Presión estática en mmcda y Pa
- Aire seco normal a 20°C y 760 mmHg
- Ensayos realizados de acuerdo a Norma ISO 5801 y AMCA 210-99

CTMT Serie 3 - 4 polos

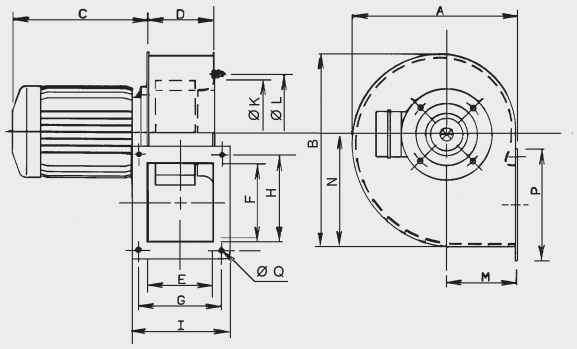



CTMT Serie 3 - 6 polos



## DIMENSIONES (mm)

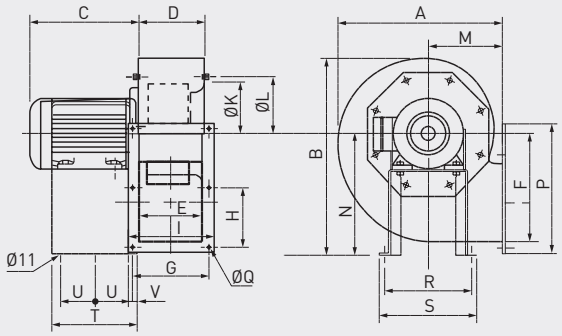
Serie 1




| Modelo | A | B | C1 | | D | E | F | G | H | I | K | L | M | N | P | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 2* | 4* | | | | | | | | | | | | |
| 120/50 | 180 | 203 | 153 | 153 | 74,5 | 72 | 85 | 92 | 105 | 106 | 113 | 132 | 81 | 116 | 118 | 5,5 |
| 140/50 | 222 | 249 | 177 | 153 | 82,5 | 80 | 105 | 105 | 128 | 123 | 144 | 152 | 100 | 147 | 147 | 7 |
| 160/60 | 254 | 293 | 207 | 153 | 102,5 | 100 | 120 | 128 | 148 | 153 | 166 | 180 | 109 | 171 | 172 | 7 |
| 180/75 | 302 | 347 | 232 | 177 | 117,5 | 115 | 140 | 145 | 170 | 168 | 187,5 | 210 | 128 | 203 | 192 | 9 |
| 200/60 | 300 | 347 | 207 | – | 107,5 | 105 | 100 | 135 | 128 | 158 | 209 | 230 | 128 | 203 | 152 | 9 |
| 200/80 | 321 | 375 | 232 | 207 | 132,5 | 130 | 160 | 160 | 188 | 183 | 209 | 230 | 138 | 222 | 212 | 9 |

* Número de polos

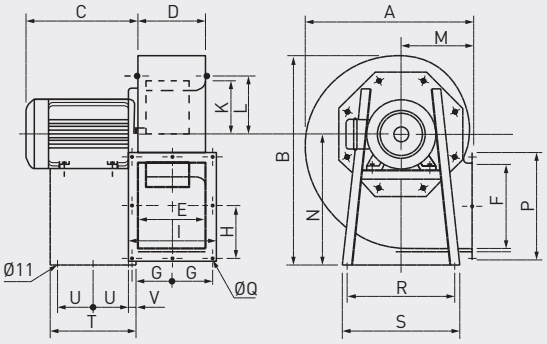
Serie 2




| Modelo | A | B | C1 | | D | E | F | G | H | I | K | L | M | N | P | Q | R | S | T | U | V |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 2* | 4* | | | | | | | | | | | | | | | | | |
| 225/90 | 386 | 452 | 248 | 235 | 144 | 140 | 216 | 180 | 128 | 203 | 234 | 256 | 181 | 280 | 279 | 10 | 220 | 250 | 200 | 3x50 | 29 |
| 250/100 | 425 | 501 | 300 | 248 | 169 | 165 | 250 | 205 | 145 | 228 | 261 | 282 | 197 | 310 | 313 | 10 | 228 | 260 | 225 | 3x74 | 27 |
| 280/115 | 471 | 553 | 320 | 300 | 184 | 184 | 300 | 220 | 170 | 243 | 293 | 320 | 216 | 340 | 363 | 10 | 245 | 275 | 240 | 2x95 | 27 |
| 315/130 | 524 | 628 | – | 320 | 206 | 200 | 320 | 240 | 180 | 263 | 326 | 354 | 238 | 390 | 383 | 11 | 322 | 352 | 230 | 2x140 | 20 |

* Número de polos

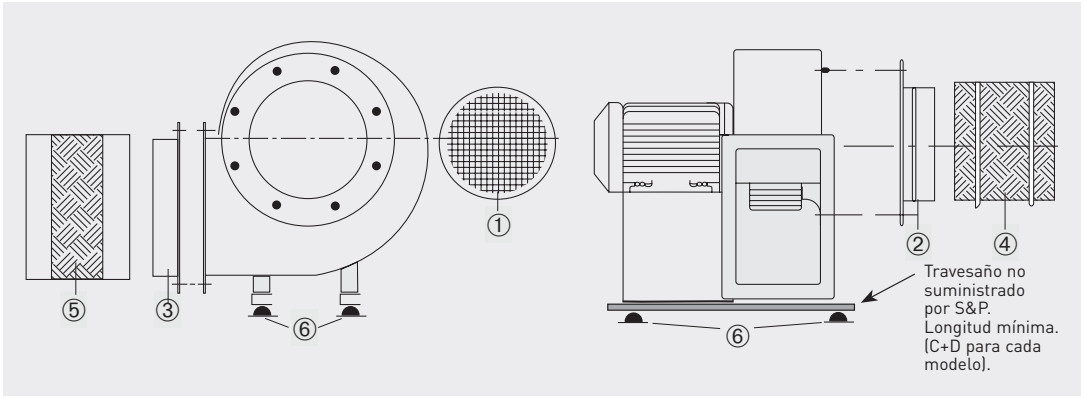
Serie 3



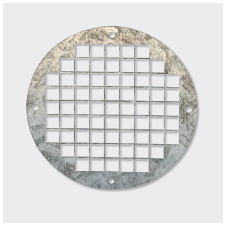

| Modelo | A | B | C max. | | D | E | F | G | H | I | K | L | M | N | P | Q | R | S | T | U | V |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | /4* | /6* | | | | | | | | | | | | | | | | | |
| 355/145 | 572 | 713 | 390 | 320 | 231 | 228 | 280 | 133 | 159 | 291 | 367 | 394 | 250 | 445 | 343 | 11 | 420 | 450 | 333 | 2x136,5 | 30 |
| 400/165 | 632 | 796 | 425 | 340 | 254 | 250 | 320 | 150 | 185 | 334 | 413 | 438 | 270 | 495 | 404 | 11 | 402 | 438 | 327 | 2x133,5 | 30 |
| 450/185 | 709 | 898 | 425 | 340 | 288 | 284 | 360 | 164 | 202 | 368 | 463 | 485 | 302 | 560 | 444 | 11 | 502 | 538 | 340 | 2x140 | 30 |
| 500/205 | 795 | 984 | 550 | – | 319 | 315 | 450 | 182,5 | 250 | 409 | 513 | 535 | 345 | 610 | 544 | 11 | 613 | 653 | 435 | 2x187,5 | 30 |

* Número de polos

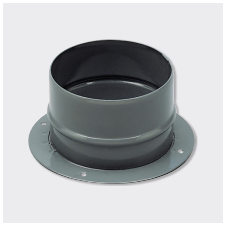
## ACCESORIOS DE MONTAJE



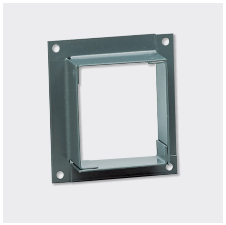

| CTMB/CTMT | ① Defensa de aspiración | ② Brida de aspiración | ③ Brida de descarga | ④ Acoplamiento elástico circular | ⑤ Acoplamiento elástico rectangular | ⑥ Soportes antivibratorios (1 KSE = 4 soportes) |
|---|---|---|---|---|---|---|
| 120/50 | KRJ-120 | KBA-120 | KBD-120 | ACOPEL F400-120/160 N | KAD-120 | – |
| 140/50 | KRJ-140 | KBA-140 | KBD-140 | ACOPEL F400-140/160 N | KAD-140 | – |
| 160/60 | KRJ-160 | KBA-160 | KBD-160 | ACOPEL F400-160/160 N | KAD-160 | – |
| 180/75 | KRJ-180 | KBA-180 | KBD-180 | ACOPEL F400-180/160 N | KAD-180 | – |
| 200/60 | KRJ-200 | KBA-200 | KBD-200/60 | ACOPEL F400-200/160 N | KAD-200/60 | – |
| 200/80 | KRJ-200 | KBA-200 | KBD-200/80 | ACOPEL F400-200/160 N | KAD-200/80 | – |
| 225/90 | KRJ-225 | KBA-225 | KBD-225 | ACOPEL F400-225/160 N | KAD-225 | Potencia motor <= 3 kW: KSE-45<br>Potencia motor >= 4 kW: KSE-70 |
| 250/100 | KRJ-250 | KBA-250 | KBD-250 | ACOPEL F400-250/160 N | KAD-250 | |
| 280/115 | KRJ-280 | KBA-280 | KBD-280 | ACOPEL F400-280/160 N | KAD-280 | |
| 315/130 | KRJ-315 | KBA-315 | KBD-315 | ACOPEL F400-315/160 N | KAD-315 | |
| 355/145 | KRJ-355 | KBA-355 | KBD-355 | ACOPEL F400-355/160 N | KAD-355 | |
| 400/165 | KRJ-400 | KBA-400 | KBD-400 | ACOPEL F400-400/160 N | KAD-400 | |
| 450/185 | KRJ-450 | KBA-450 | KBD-450 | ACOPEL F400-450/160 N | KAD-450 | |
| 500/205 | KRJ-500 | KBA-500 | KBD-500 | ACOPEL F400-500/160 N | KAD-500 | |



**KRJ**
Defensa de aspiración.



**KBA**
Brida circular de aspiración.



**KBD**
Brida rectangular de descarga.



**ACOPEL F400 N**
Acoplamiento elástico circular.
Certificado 400ºC/2h.

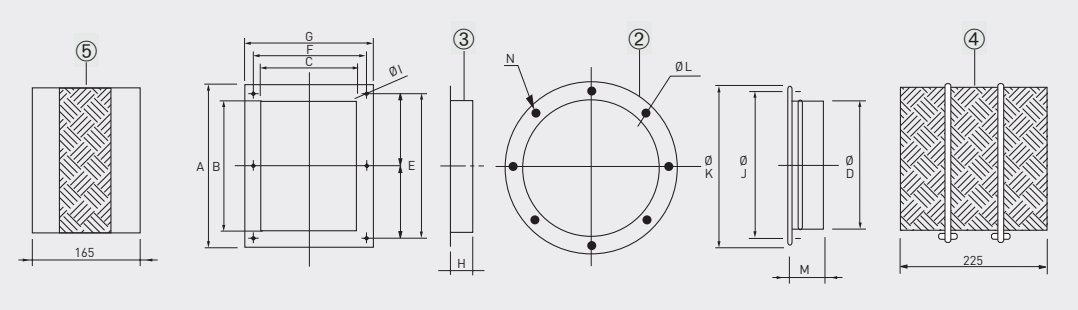


**KAD**
Acoplamiento elástico rectangular.



**KSE**
Soporte Elástico Antivibratorio.

## ACCESORIOS DE MONTAJE - DIMENSIONES (mm)



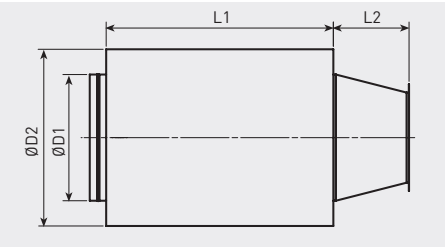

| Modelo de accesorio | A | B | C | ØD | E | F | G | H | ØI | ØJ | ØK | ØL | M | N |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 120/50 | 118 | 87 | 75 | 112 | 105 | 92 | 106 | 40 | 5,5 | 132 | 150 | 5 | 65 | 4 |
| 140/50 | 147 | 107 | 83 | 125 | 128 | 105 | 123 | 40 | 7 | 152 | 170 | 5 | 65 | 4 |
| 160/60 | 172 | 122 | 103 | 160 | 148 | 128 | 153 | 40 | 7 | 180 | 205 | 7 | 65 | 4 |
| 180/75 | 192 | 142 | 118,5 | 180 | 170 | 145 | 168 | 40 | 9 | 210 | 244 | 7 | 65 | 4 |
| 200/60 | 158 | 108,5 | 102 | 200 | 135 | 128 | 152 | 45 | 9 | 230 | 255 | 7 | 65 | 4 |
| 200/80 | 212 | 162 | 134 | 200 | 188 | 160 | 183 | 45 | 9 | 230 | 255 | 7 | 65 | 4 |
| 225/90 | 279 | 219 | 143 | 224 | 256 | 180 | 203 | 45 | 10 | 256 | 280 | 9 | 65 | 8 |
| 250/100 | 313 | 253 | 168 | 250 | 290 | 205 | 228 | 45 | 10 | 282 | 306 | 9 | 65 | 8 |
| 280/115 | 363 | 303 | 183 | 280 | 340 | 220 | 243 | 50 | 10 | 320 | 348 | 9 | 65 | 8 |
| 315/130 | 383 | 323 | 203 | 315 | 360 | 240 | 263 | 50 | 11 | 354 | 382 | 9 | 65 | 8 |
| 355/145 | 343 | 283 | 231 | 355 | 318 | 266 | 291 | 50 | 11 | 394 | 422 | 9 | 65 | 8 |
| 400/165 | 404 | 324 | 254 | 400 | 370 | 300 | 334 | 55 | 11 | 438 | 464 | 9 | 65 | 8 |
| 450/185 | 444 | 364 | 288 | 450 | 404 | 328 | 368 | 55 | 11 | 485 | 515 | 9 | 65 | 8 |
| 500/205 | 544 | 454 | 319 | 500 | 500 | 365 | 409 | 60 | 11 | 535 | 565 | 9 | 65 | 8 |



**KMTA**
Silenciadores para colocar en la aspiración de los CTMT.

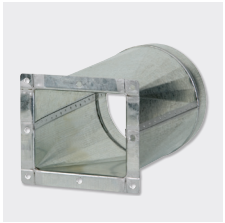


**KMTI**
Silenciadores para colocar en la descarga de los CTMT.

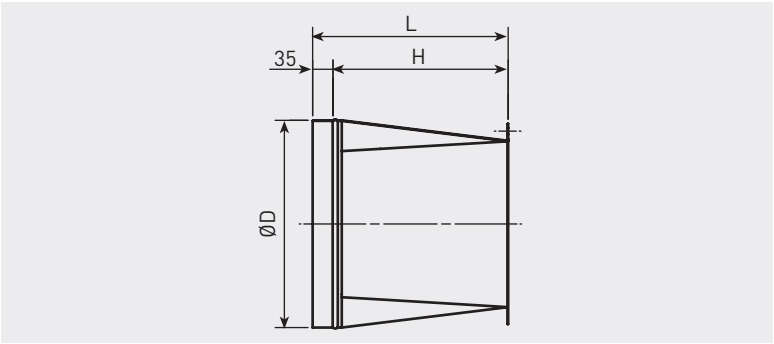



| CMT | KMTA | KMTI | L1 | L2 (KMTA) | L2 (KMTI) | D1 | D2 |
|---|---|---|---|---|---|---|---|
| 225 | KMTA-225 | KMTI-225 | 600 | 250 | 300 | 315 | 515 |
| 250 | KMTA-250 | KMTI-250 | 900 | 250 | 300 | 355 | 555 |
| 280 | KMTA-280 | KMTI-280 | 900 | 300 | 300 | 400 | 600 |
| 315 | KMTA-315 | KMTI-315 | 900 | 300 | 300 | 450 | 650 |
| 355 | KMTA-355 | KMTI-355 | 900 | 300 | 300 | 500 | 700 |
| 400 | KMTA-400 | KMTI-400 | 900 | 300 | 300 | 500 | 700 |
| 450 | KMTA-450 | KMTI-450 | 900 | 300 | 450 | 560 | 760 |
| 500 | KMTA-500 | KMTI-500 | 900 | 300 | 450 | 630 | 830 |

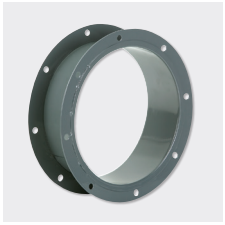
## ACCESORIOS



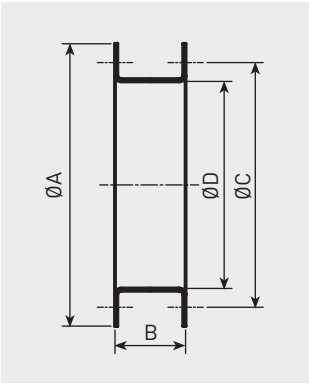
**KMBI**
Acoplamiento rectangular / circular para montar en la descarga de los CTMT.



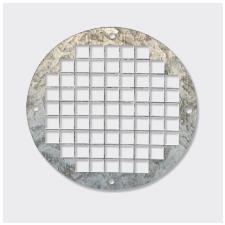

| CMT | KMBI | L | H | D | CMT | KMBI | L | H | D |
|---|---|---|---|---|---|---|---|---|---|
| 120 | KMBI-120 | 235 | 200 | 125 | 250 | KMBI-250 | 335 | 300 | 250 |
| 140 | KMBI-140 | 235 | 200 | 140 | 280 | KMBI-280 | 335 | 300 | 280 |
| 160 | KMBI-160 | 235 | 200 | 160 | 315 | KMBI-315 | 335 | 300 | 315 |
| 180 | KMBI-180 | 235 | 200 | 180 | 355 | KMBI-355 | 335 | 300 | 355 |
| 200/60 | KMBI-200 | 335 | 300 | 200 | 400 | KMBI-400 | 335 | 300 | 400 |
| 200/80 | KMBI-201 | 335 | 300 | 200 | 450 | KMBI-450 | 485 | 450 | 450 |
| 225 | KMBI-225 | 335 | 300 | 225 | 500 | KMBI-500 | 485 | 450 | 500 |



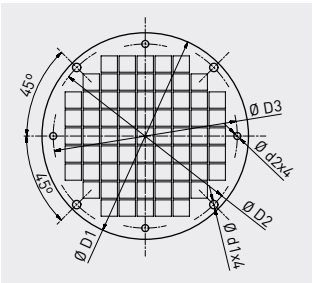
**KMBD**
Doble brida para montar en la aspiración de los CTMT.



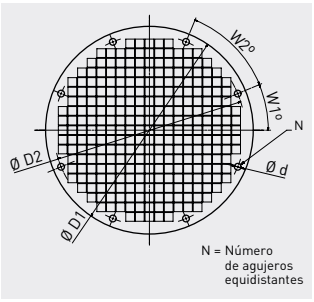

| CMT | KMBD | A | B | C | D |
|---|---|---|---|---|---|
| 120 | KMBD-120 | 150 | 60 | 132 | 112 |
| 140 | KMBD-140 | 170 | 80 | 152 | 125 |
| 160 | KMBD-160 | 205 | 80 | 180 | 160 |
| 180 | KMBD-180 | 244 | 80 | 210 | 180 |
| 200 | KMBD-200 | 255 | 80 | 230 | 200 |
| 225 | KMBD-225 | 280 | 80 | 256 | 224 |
| 250 | KMBD-250 | 306 | 80 | 282 | 250 |
| 280 | KMBD-280 | 346 | 100 | 320 | 280 |
| 315 | KMBD-315 | 382 | 100 | 354 | 315 |
| 355 | KMBD-355 | 422 | 100 | 394 | 366 |
| 400 | KMBD-400 | 464 | 100 | 438 | 400 |
| 450 | KMBD-450 | 515 | 100 | 485 | 450 |
| 500 | KMBD-500 | 565 | 100 | 535 | 500 |



**KRJ**
Defensa de aspiración.




| CMT | KRJ | D1 | D2 | D3 | d1 | d2 |
|---|---|---|---|---|---|---|
| 120 | KRJ-120 | 148 | 132 | 139 | 5 | 6 |
| 140 | KRJ-140 | 165 | 152 | 147 | 5 | 9 |




| CMT | KRJ | D1 | D2 | d | N | W1° | W2° |
|---|---|---|---|---|---|---|---|
| 160 | KRJ-160 | 200 | 180 | 7 | 8 | 0 | 45 |
| 180 | KRJ-180 | 242 | 210 | 7 | 4 | 0 | 90 |
| 200 | KRJ-200 | 254 | 230 | 7 | 4 | 0 | 90 |
| 225 | KRJ-225 | 278 | 256 | 9 | 8 | 22,5 | 45 |
| 250 | KRJ-250 | 305 | 282 | 9 | 8 | 22,5 | 45 |
| 280 | KRJ-280 | 346 | 320 | 9 | 8 | 22,5 | 45 |
| 315 | KRJ-315 | 380 | 354 | 9 | 8 | 22,5 | 45 |
| 355 | KRJ-355 | 420 | 394 | 9 | 8 | 22,5 | 45 |
| 400 | KRJ-400 | 462 | 438 | 9 | 8 | 22,5 | 45 |
| 450 | KRJ-450 | 514 | 485 | 9 | 8 | 22,5 | 45 |
| 500 | KRJ-500 | 564 | 535 | 9 | 8 | 22,5 | 45 |

## ACCESORIOS ELÉCTRICOS



**REB**
Reguladores de velocidad electrónicos monofásicos.



**RMT**
Reguladores electromecánicos trifásicos.



**VFTM TRI IP54**
Convertidores de frecuencia para motores de 0,37 a 15 kW 400V.

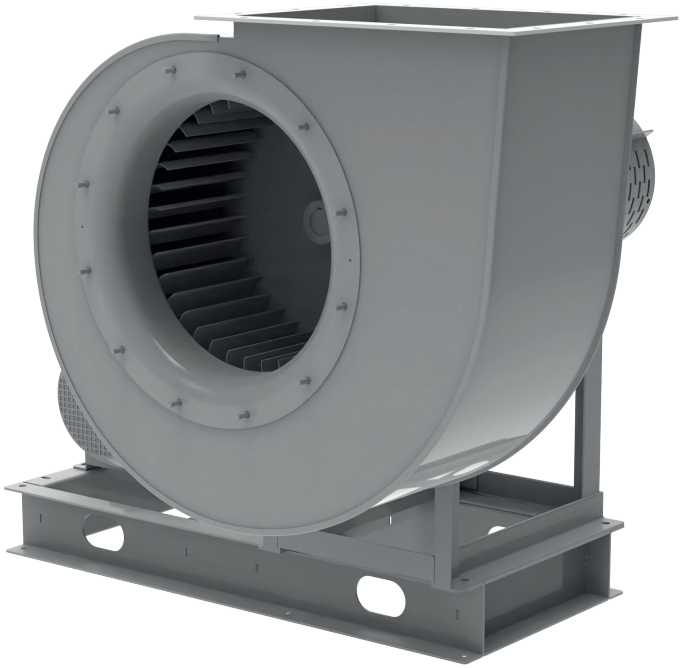
# FS

## VENTILADORES CENTRÍFUGOS DE BAJA PRESIÓN

*ACOPLAMIENTO DIRECTO*

ErP OK

Ventilador centrífugo de acoplamiento directo y simple aspiración. Fabricados en chapa de acero protegida contra la corrosión mediante tratamiento por cataforesis + pintura poliuretana. Temperaturas del aire a transportar -20ºC/+100ºC en continuo.



APLICACIONES

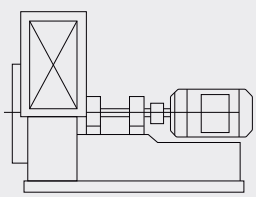
**Aire a transportar**
Muy polvoriento

**Cantidad de polvo (mg/m³)**
<5000



Rodete álabes curvados hacia adelante

**SISTEMA 8:** acoplamiento mediante junta elástica.



Disponible bajo pedido

**Motores**
De 2, 4 o 6 polos, de alta eficiencia IE 3*, tensión de alimentación trifásica 230/400V 50Hz hasta tamaño motor 112 y 400/690V 50Hz para motores de mayor dimensión. Protección IP55, Clase F.

* Entre 75 y 200kW, los motores suministrados serán IE4.

**Bajo pedido**
- Fabricación en diferentes materiales constructivos.
- Motores de 2 velocidades.
- Versiones de 60 Hz.
- Pintura en diferentes RAL.
- Versión sin pie soporte (Motor-Brida, Sistema 5), hasta tamaño de motor 160.
- Versión para alta temperatura: hasta 220ºC (versiones B: con rodete de refrigeración).
- SISTEMA 8: acoplamiento mediante junta elástica.
- Trampilla de inspección, purga de drenaje, distintos tipos de estanqueidad a nivel de voluta y de paso de eje.
- Ventiladores estancos.
- Calorifugado.

**Versiones ATEX**
Bajo pedido, versiones antiexplosivas según la Directiva ATEX para modelos trifásicos:
Para trabajar a temperaturas de -20ºC a +60ºC, presión ambiente (absoluta) de 0,8 bar hasta 1,1 bar, según EN 14986.
- Gas:
  - Ex 2G IIB T2-T3-T4
  - Ex 2G IIB+H2 T2-T3-T4
  - Ex 3G IIB T2-T3-T4
  - Ex 3G IIB+H2 T2-T3-T4
- Polvo no conductivo:
  - Ex 2D IIIB T125°C-T135°C-T195°C-T295°C
  - Ex 3D IIIB T125°C-T135°C-T195°C-T295°C
- Polvo conductivo (con motor IP65 IIIC):
  - Ex 2D IIIC T125°C-T135°C-T195°C-T295°C
  - Ex 3D IIIC T125°C-T135°C-T195°C-T295°C

## CARACTERÍSTICAS TÉCNICAS

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación

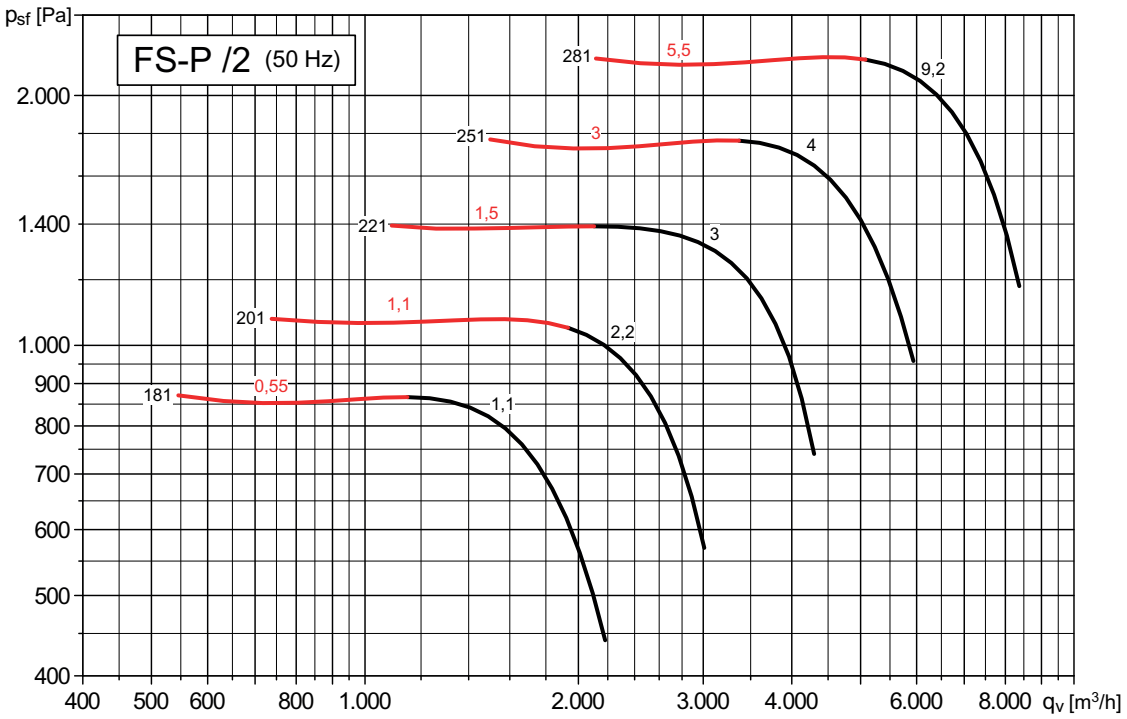
| Modelo | Tamaño motor | Velocidad (r.p.m.) | Potencia motor (kW) | Intensidad motor 400V (A) | Caudal máximo ($m^3/h$) | Nivel presión sonora a 1 m (dB(A))[1] | Peso (kg)[2] | Momento de inercia ($kg \cdot m^2$)[3] |
|---|---|---|---|---|---|---|---|---|
| 2 POLOS | | | | | | | | |
| FS 181/2 P5A | 71B2 | 2820 | 0,55 | 1,25 | 1.150 | 70 | 16 | 0,035 |
| FS 181/2 P5A | 80B2 | 2840 | 1,10 | 2,33 | 2.180 | 71 | 19 | 0,035 |
| FS 201/2 P4A | 80B2 | 2840 | 1,10 | 2,33 | 1.930 | 75 | 29 | 0,025 |
| FS 201/2 P4A | 90L2 | 2850 | 2,20 | 4,43 | 3.010 | 76 | 35 | 0,025 |
| FS 221/2 P4A | 90S2 | 2890 | 1,50 | 3,07 | 2.100 | 79 | 35 | 0,035 |
| FS 221/2 P4A | 100LA2 | 2900 | 3,00 | 5,77 | 4.300 | 80 | 45 | 0,035 |
| FS 251/2 P4A | 100LA2 | 2900 | 3,00 | 5,77 | 3.370 | 83 | 48 | 0,050 |
| FS 251/2 P4A | 112M2 | 2910 | 4,00 | 7,5 | 5.940 | 85 | 65 | 0,050 |
| FS 281/2 P4A | 132SA2 | 2890 | 5,50 | 10,1 | 4.750 | 86 | 71 | 0,060 |
| FS 281/2 P4A | 132MB2 | 2900 | 9,20 | 16,6 | 8.370 | 87 | 76 | 0,060 |
| 4 POLOS | | | | | | | | |
| FS 221/4 P4A | 63B4 | 1310 | 0,18 | 0,592 | 1.070 | 59 | 28 | 0,035 |
| FS 221/4 P4A | 71B4 | 1360 | 0,37 | 1,06 | 2.020 | 60 | 28 | 0,035 |
| FS 251/4 P4A | 71A4 | 1360 | 0,25 | 0,592 | 1.260 | 62 | 32 | 0,050 |
| FS 251/4 P4A | 80A4 | 1370 | 0,55 | 1,26 | 2.800 | 63 | 36 | 0,050 |
| FS 281/4 P4A | 80A4 | 1370 | 0,55 | 1,26 | 2.120 | 66 | 41 | 0,060 |
| FS 281/4 P4A | 90S4 | 1390 | 1,10 | 2,3 | 4.010 | 67 | 44 | 0,060 |
| FS 311/4 P4A | 90S4 | 1390 | 1,10 | 2,3 | 3.340 | 70 | 48 | 0,140 |
| FS 311/4 P4A | 100LA4 | 1420 | 2,20 | 4,56 | 5.890 | 71 | 52 | 0,140 |
| FS 351/4 P4A | 100LA4 | 1420 | 2,20 | 4,56 | 5.070 | 73 | 75 | 0,220 |
| FS 351/4 P4A | 112M4 | 1425 | 4,00 | 8,2 | 8.370 | 74 | 85 | 0,220 |
| FS 401/4 P4A | 112M4 | 1425 | 4,00 | 8,2 | 7.210 | 77 | 97 | 0,400 |
| FS 401/4 P4A | 132MA4 | 1450 | 7,50 | 13,9 | 14.270 | 78 | 118 | 0,400 |
| FS 451/4 P4A | 132MB4 | 1460 | 9,20 | 17,4 | 12.880 | 80 | 128 | 0,750 |
| FS 451/4 P4A | 160L4 | 1450 | 15,00 | 28,4 | 20.560 | 81 | 166 | 0,750 |
| FS 501/4 P4A | 160L4 | 1450 | 15,00 | 28,4 | 16.810 | 84 | 173 | 1,230 |
| FS 501/4 P4A | 180L4 | 1470 | 22,00 | 40,9 | 28.700 | 85 | 185 | 1,230 |
| FS 561/4 P4A | 180L4 | 1480 | 22,00 | 40,9 | 20.220 | 87 | 235 | 2,150 |
| FS 561/4 P4A | 225S4 | 1480 | 37,00 | 65,6 | 40.190 | 88 | 380 | 2,150 |
| 6 POLOS | | | | | | | | |
| FS 311/6 P4A | 80A6 | 930 | 0,37 | 1,02 | 2.640 | 61 | 43 | 0,140 |
| FS 311/6 P4A | 80B6 | 930 | 0,55 | 1,45 | 3.860 | 62 | 45 | 0,140 |
| FS 351/6 P4A | 90S6 | 930 | 0,75 | 1,95 | 4.170 | 63 | 68 | 0,220 |
| FS 351/6 P4A | 90L6 | 930 | 1,10 | 2,78 | 5.460 | 64 | 70 | 0,220 |
| FS 401/6 P4A | 100LA6 | 950 | 1,50 | 3,71 | 6.270 | 67 | 92 | 0,400 |
| FS 401/6 P4A | 112M6 | 950 | 2,20 | 5,94 | 9.350 | 68 | 97 | 0,400 |
| FS 451/6 P4A | 132SA6 | 950 | 3,00 | 8,1 | 9.090 | 70 | 113 | 0,750 |
| FS 451/6 P4A | 132MA6 | 960 | 4,00 | 7,3 | 13.610 | 71 | 128 | 0,750 |
| FS 501/6 P4A | 132MA6 | 960 | 4,00 | 7,3 | 11.810 | 75 | 173 | 1,230 |
| FS 501/6 P4A | 160M6 | 965 | 7,50 | 14,7 | 18.840 | 76 | 185 | 1,230 |
| FS 561/6 P4A | 160M6 | 965 | 7,50 | 14,7 | 16.440 | 78 | 197 | 2,150 |
| FS 561/6 P4A | 160L6 | 965 | 11,00 | 21,5 | 26.200 | 79 | 210 | 2,150 |
| FS 631/6 P4A | 160L6 | 965 | 11,00 | 21,5 | 20.420 | 81 | 250 | 3,500 |
| FS 631/6 P4A | 200LR6 | 970 | 18,50 | 37,3 | 37.360 | 82 | 358 | 3,500 |
| FS711/6 P4A | 200L6 | 970 | 22,00 | 43 | 31.440 | 84 | | 6,000 |
| FS711/6 P4A | 250M6 | 970 | 22,00 | 43 | 53.540 | 85 | | 6,000 |
| FS 801/6 P4A | 250M6 | 980 | 37,00 | 66,6 | 41.830 | 87 | | 9,800 |
| FS 801/6 P4A | 280M6 | 980 | 55,00 | 102 | 76.430 | 88 | | 9,800 |

[1] Entubado en la descarga
Tolerancia del nivel de ruido de +3dB/A, medido en el punto de máxima eficiencia
[2] Con motor incluido y para orientación LG270 o RD270
[3] Momento de inercia del rodete

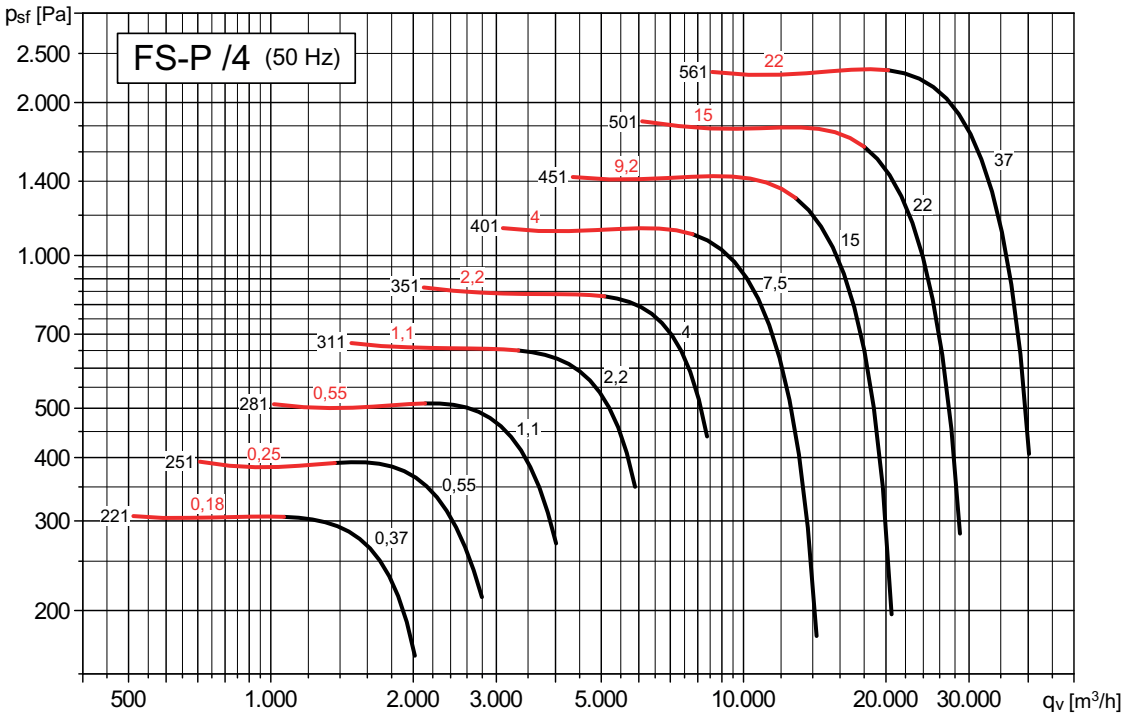
## CURVAS CARACTERÍSTICAS (a la descarga/ a la aspiración)

- Ventiladores ensayados con la aspiración y la descarga entubadas
- Caudal en $m^3/h$
- **Psf: Presión estática en Pa**
- Modelo - Potencia motor en kW
- Ejemplo: 501 - 15 o 22
  Modelo - kW

2 polos - Modelos desde 181 hasta 281



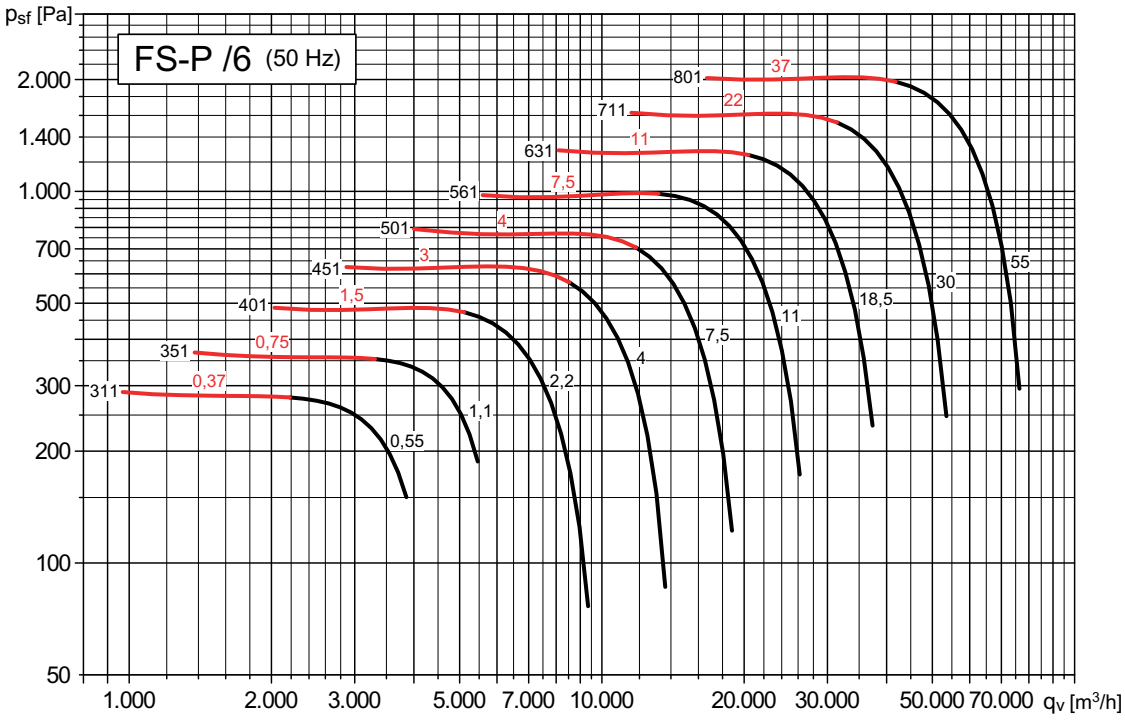

4 polos - Modelos desde 221 hasta 561



## CURVAS CARACTERÍSTICAS (a la descarga/ a la aspiración)

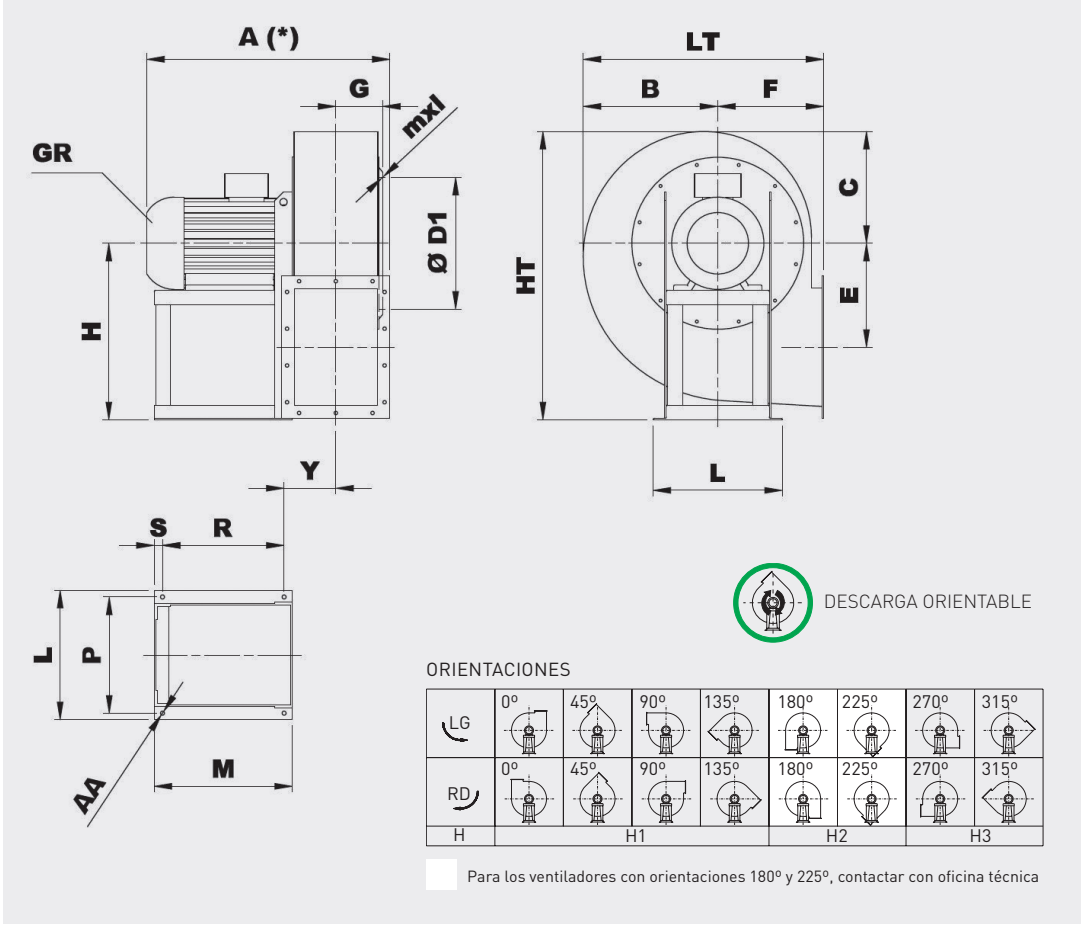
- Ventiladores ensayados con la aspiración y la descarga entubadas
- Caudal en $m^3/h$
- **Psf: Presión estática en Pa**
- Modelo - Potencia motor en kW
- Ejemplo: 801 - 37 o 55
  Modelo - kW

6 polos - Modelos desde 311 hasta 801



## DIMENSIONES (mm)

Modelos desde 201 hasta 501



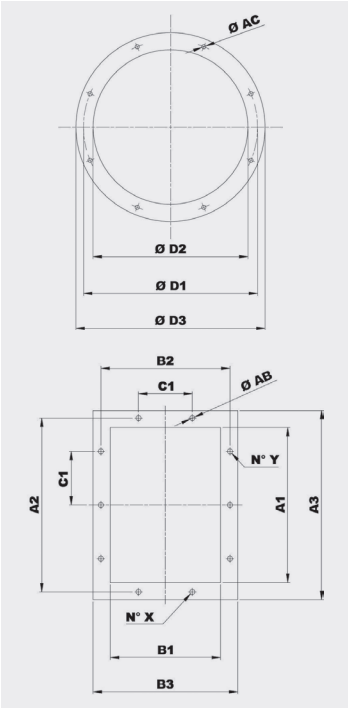

| Modelo | | | | | | | | | | | | | | | Base | | | | | | Ejecución 4B[1] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Motor GR | A* | B | C | ØD1 | E | F | G | H | | | HT | mxl | Y | LT | L | P | M | R | S | ØAA | L* | P | M | R |
| | | | | | | | | | H1 | H2 | H3 | | | | | | | | | | | | | | |
| FS 201/2 P4A | 80B2 | 412 | 200 | 175 | 241 | 120 | 165 | 75 | 265 | 165 | 265 | 440 | M6x16 | 121 | 365 | 225 | 203 | 225 | 166 | 14 | 10 | 457 | 121 | 166 | 225 |
| FS 201/2 P4A | 90L2 | 446 | 200 | 175 | 241 | 120 | 165 | 75 | 265 | 165 | 265 | 440 | M6x16 | 136 | 365 | 260 | 234 | 260 | 183 | 17 | 10 | 491 | 136 | 183 | 260 |
| FS 221/2 P4A | 100LA2 | 514 | 220 | 195 | 265 | 135 | 180 | 84 | 300 | 180 | 300 | 495 | M6x16 | 108 | 400 | 324 | 289 | 295 | 249 | 23 | 12 | 559 | 108 | 249 | 295 |
| FS 221/2 P4A | 90S2 | 444 | 220 | 195 | 265 | 135 | 180 | 84 | 300 | 180 | 300 | 495 | M6x16 | 145 | 400 | 260 | 234 | 260 | 183 | 17 | 10 | 489 | 145 | 183 | 260 |
| FS 221/4 P4A | 63B4 | 384 | 220 | 195 | 265 | 135 | 180 | 84 | 300 | 180 | 300 | 495 | M6x16 | 130 | 400 | 206 | 184 | 184 | 125 | 14 | 10 | 423 | 130 | 125 | 184 |
| FS 221/4 P4A | 71B4 | 403 | 220 | 195 | 265 | 135 | 180 | 84 | 300 | 180 | 300 | 495 | M6x16 | 130 | 400 | 225 | 203 | 215 | 156 | 14 | 10 | 442 | 130 | 156 | 215 |
| FS 251/2 P4A | 100LA2 | 533 | 245 | 210 | 292 | 150 | 195 | 93 | 315 | 195 | 315 | 525 | M8x20 | 117 | 440 | 324 | 289 | 295 | 249 | 23 | 12 | 578 | 117 | 249 | 295 |
| FS 251/2 P4A | 112M2 | 556 | 245 | 210 | 292 | 150 | 195 | 93 | 315 | 195 | 315 | 525 | M8x20 | 117 | 440 | 324 | 289 | 310 | 264 | 23 | 12 | 601 | 117 | 264 | 310 |
| FS 251/4 P4A | 71M2 | 422 | 245 | 210 | 292 | 150 | 195 | 93 | 315 | 195 | 315 | 525 | M8x20 | 139 | 440 | 225 | 203 | 215 | 156 | 14 | 10 | 461 | 139 | 156 | 215 |
| FS 251/4 P4A | 80A4 | 449 | 245 | 210 | 292 | 150 | 195 | 93 | 315 | 195 | 315 | 525 | M8x20 | 139 | 440 | 225 | 203 | 225 | 166 | 14 | 10 | 494 | 139 | 166 | 225 |
| FS 281/2 P4A | 132MB2 | 622 | 270 | 235 | 332 | 171 | 200 | 104 | 375 | 200 | 375 | 610 | M8x20 | 128 | 470 | 372 | 337 | 360 | 314 | 23 | 12 | 677 | 128 | 314 | 360 |
| FS 281/2 P4A | 132SA2 | 622 | 270 | 235 | 332 | 171 | 200 | 104 | 375 | 200 | 375 | 610 | M8x20 | 128 | 470 | 372 | 337 | 360 | 314 | 23 | 12 | 677 | 128 | 314 | 360 |
| FS 281/4 P4A | 80A4 | 476 | 270 | 235 | 332 | 171 | 200 | 104 | 375 | 200 | 375 | 610 | M8x20 | 150 | 470 | 225 | 203 | 225 | 166 | 14 | 10 | 521 | 150 | 166 | 225 |
| FS 281/4 P4A | 90S4 | 490 | 270 | 235 | 332 | 171 | 200 | 104 | 375 | 200 | 375 | 610 | M8x20 | 165 | 470 | 260 | 234 | 260 | 183 | 17 | 10 | 535 | 165 | 183 | 260 |
| FS 311/4 P4A | 100LA4 | 584 | 300 | 260 | 366 | 196 | 225 | 116 | 400 | 225 | 400 | 660 | M8x20 | 141 | 525 | 324 | 289 | 295 | 249 | 23 | 12 | 629 | 141 | 249 | 295 |
| FS 311/4 P4A | 90S4 | 514 | 300 | 260 | 366 | 196 | 225 | 116 | 400 | 225 | 400 | 660 | M8x20 | 178 | 525 | 260 | 234 | 260 | 183 | 17 | 10 | 559 | 178 | 183 | 260 |
| FS 311/6 P4A | 90L6 | 534 | 300 | 260 | 366 | 196 | 225 | 116 | 400 | 225 | 400 | 660 | M8x20 | 178 | 525 | 260 | 234 | 260 | 183 | 17 | 10 | 545 | 163 | 166 | 225 |
| FS 311/6 P4A | 80A6 | 500 | 300 | 260 | 366 | 196 | 225 | 116 | 400 | 225 | 400 | 660 | M8x20 | 163 | 525 | 225 | 203 | 225 | 166 | 14 | 10 | 579 | 178 | 183 | 260 |
| FS 351/4 P4A | 100LA4 | 611 | 340 | 295 | 405 | 215 | 255 | 130 | 450 | 255 | 450 | 745 | M8x20 | 154 | 595 | 324 | 289 | 295 | 249 | 23 | 12 | 655 | 154 | 249 | 295 |
| FS 351/4 P4A | 112M4 | 634 | 340 | 295 | 405 | 215 | 255 | 130 | 450 | 255 | 450 | 745 | M8x20 | 154 | 595 | 324 | 289 | 310 | 264 | 23 | 12 | 679 | 154 | 264 | 310 |
| FS 351/6 P4A | 90S6 | 541 | 340 | 295 | 405 | 215 | 255 | 130 | 450 | 255 | 450 | 745 | M8x20 | 191 | 595 | 260 | 234 | 260 | 183 | 17 | 10 | 679 | 191 | 183 | 260 |
| FS 351/6 P4A | 90L6 | 561 | 340 | 295 | 405 | 215 | 255 | 130 | 450 | 255 | 450 | 745 | M8x20 | 191 | 595 | 260 | 234 | 260 | 183 | 17 | 10 | 586 | 191 | 183 | 260 |
| FS 401/4 P4A | 112M4 | 666 | 375 | 330 | 448 | 243 | 285 | 146 | 500 | 285 | 500 | 830 | M8x20 | 170 | 660 | 324 | 289 | 310 | 264 | 23 | 12 | 711 | 170 | 264 | 310 |
| FS 401/4 P4A | 132M4 | 705 | 375 | 330 | 448 | 243 | 285 | 146 | 500 | 285 | 500 | 830 | M8x20 | 170 | 660 | 372 | 337 | 360 | 314 | 23 | 12 | 760 | 170 | 314 | 360 |
| FS 401/6 P4A | 100LA6 | 643 | 375 | 330 | 448 | 243 | 285 | 146 | 500 | 285 | 500 | 830 | M8x20 | 170 | 660 | 324 | 289 | 295 | 249 | 23 | 12 | 688 | 170 | 249 | 295 |
| FS 401/6 P4A | 112M6 | 666 | 375 | 330 | 448 | 243 | 285 | 146 | 500 | 285 | 500 | 830 | M8x20 | 170 | 660 | 324 | 289 | 310 | 264 | 23 | 12 | 711 | 170 | 264 | 310 |

[1] Con rodete de refrigeración
* Según tamaño motor

## FS

| Modelo | Motor GR | A* | B | C | ØD1 | E | F | G | H | | | HT | mxl | Y | LT | Base | | | | | | Ejecución 4B[1] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | H1 | H2 | H3 | | | | | L | P | M | R | S | ØAA | L* | P | M | R |
| FS 451/4 P4A | 132MB4 | 740 | 425 | 370 | 497 | 273 | 320 | 162 | 560 | 320 | 560 | 930 | M8x25 | 188 | 745 | 372 | 337 | 360 | 314 | 23 | 12 | 795 | 188 | 314 | 360 |
| FS 451/4 P4A | 160L4 | 845 | 425 | 370 | 497 | 273 | 320 | 162 | 560 | 320 | 560 | 930 | M8x25 | 193 | 745 | 440 | 395 | 470 | 414 | 28 | 14 | 900 | 193 | 414 | 470 |
| FS 451/6 P4A | 132MA6 | 740 | 425 | 370 | 497 | 273 | 320 | 162 | 560 | 320 | 560 | 930 | M8x25 | 188 | 745 | 372 | 337 | 360 | 314 | 23 | 12 | 795 | 188 | 314 | 360 |
| FS 451/6 P4A | 132SA6 | 740 | 425 | 370 | 497 | 273 | 320 | 162 | 560 | 320 | 560 | 930 | M8x25 | 188 | 745 | 372 | 337 | 360 | 314 | 23 | 12 | 795 | 188 | 314 | 360 |
| FS 501/4 P4A | 160L4 | 884 | 470 | 410 | 551 | 301 | 360 | 182 | 600 | 360 | 600 | 1010 | M8x25 | 213 | 830 | 440 | 395 | 470 | 414 | 28 | 14 | 939 | 213 | 414 | 470 |
| FS 501/4 P4A | 180L4 | 1005 | 470 | 410 | 551 | 301 | 360 | 182 | 600 | 360 | 600 | 1010 | M8x25 | 218 | 830 | 488 | 434 | 540 | 474 | 33 | 17 | 1060 | 218 | 474 | 540 |
| FS 501/6 P4A | 160L6 | 884 | 470 | 410 | 551 | 301 | 360 | 182 | 600 | 360 | 600 | 1010 | M8x25 | 213 | 830 | 440 | 395 | 470 | 414 | 28 | 14 | 939 | 213 | 414 | 470 |
| FS 501/6 P4A | 160M6 | 884 | 470 | 410 | 551 | 301 | 360 | 182 | 600 | 360 | 600 | 1010 | M8x25 | 213 | 830 | 440 | 395 | 470 | 414 | 28 | 14 | 939 | 213 | 414 | 470 |

[1] Con rodete de refrigeración
* Según tamaño motor




Brida aspiración

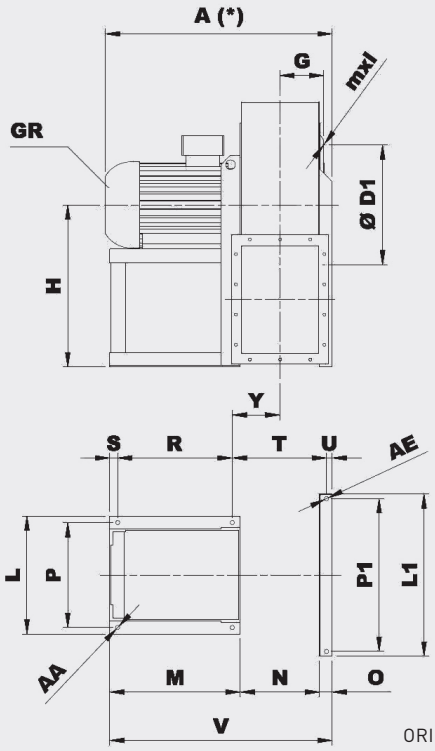
| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 201 | 200 | 241 | 204 | 274 | 8 | 8 |
| 221 | 224 | 265 | 228 | 298 | 8 | 8 |
| 251 | 250 | 292 | 254 | 324 | 10 | 8 |
| 281 | 280 | 332 | 285 | 365 | 10 | 8 |
| 311 | 315 | 366 | 320 | 400 | 10 | 8 |
| 351 | 355 | 405 | 360 | 440 | 10 | 8 |
| 401 | 400 | 448 | 405 | 485 | 10 | 12 |
| 451 | 450 | 497 | 455 | 535 | 10 | 12 |
| 501 | 500 | 551 | 505 | 585 | 10 | 12 |

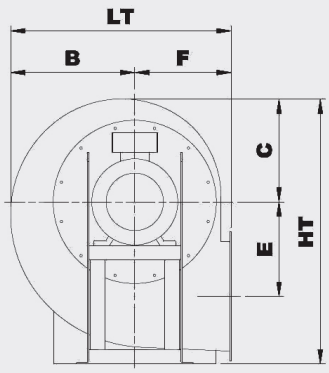
Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 201 | 200x140 | 205 | 146 | 241 | 182 | 275 | 216 | 112 | 12 | 2+2 | 2+2 |
| 221 | 224x160 | 229 | 164 | 265 | 200 | 299 | 234 | 112 | 12 | 2+2 | 2+2 |
| 251 | 250x180 | 256 | 183 | 292 | 219 | 326 | 253 | 112 | 12 | 2+2 | 3+3 |
| 281 | 280x200 | 288 | 205 | 332 | 249 | 368 | 285 | 125 | 12 | 2+2 | 3+3 |
| 311 | 315x224 | 322 | 229 | 366 | 273 | 402 | 309 | 125 | 12 | 2+2 | 3+3 |
| 351 | 355x250 | 361 | 256 | 405 | 300 | 441 | 336 | 125 | 12 | 2+2 | 3+3 |
| 401 | 400x280 | 404 | 288 | 448 | 332 | 484 | 368 | 125 | 12 | 3+3 | 4+4 |
| 451 | 450x315 | 453 | 322 | 497 | 366 | 533 | 402 | 125 | 12 | 3+3 | 4+4 |
| 501 | 500x355 | 507 | 361 | 551 | 405 | 587 | 441 | 125 | 12 | 3+3 | 4+4 |

## DIMENSIONES (mm)

Modelos desde 561 hasta 631

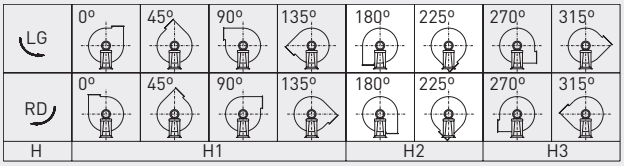





DESCARGA ORIENTABLE

ORIENTACIONES



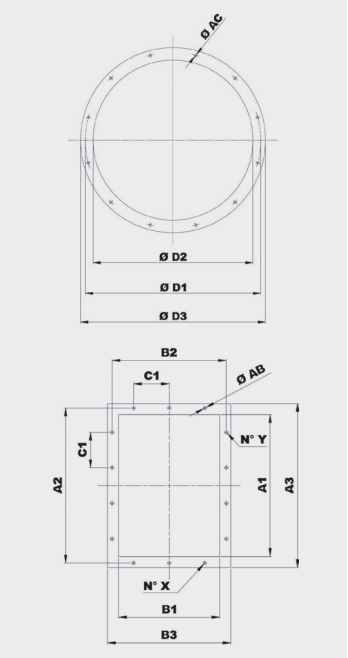

Para los ventiladores con orientaciones 180º y 225º, contactar con oficina técnica

| Modelo | | | | | | | | | | | | | | | Base | | | | | | | | | | | | Ejecución 4B[1] | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Motor GR | A* | B | C | ØD1 | E | F | G | H | | | HT | mxl | Y | LT | L | P | L1 | P1 | M | N | O | R | S | T | U | V | ØAA | ØAE | A | Y | Q | R | M | T | V |
| | | | | | | | | | H1 | H2 | H3 | | | | | | | | | | | | | | | | | | | | | | | | | |
| FS 561/4 P4A | 180L4 | 1062 | 525 | 455 | 629 | 331 | 400 | 204 | 670 | 400 | 670 | 1125 | M8x30 | 239 | 925 | 488 | 434 | 672 | 632 | 540 | 410 | 52 | 474 | 33 | 472 | 23 | 1002 | 17 | 17 | 1117 | 239 | | 474 | 540 | 472 | 1002 |
| FS 561/4 P4A | 225S4 | 1176 | 525 | 455 | 629 | 331 | 400 | 204 | 670 | 400 | 670 | 1125 | M8x30 | 286 | 925 | 616 | 556 | 672 | 632 | 540 | 410 | 52 | 421 | 39 | 519 | 23 | 1002 | 19 | 17 | 1268 | 286 | | 513 | 632 | 519 | 1094 |
| FS 561/6 P4A | 160M6 | 941 | 525 | 455 | 629 | 331 | 400 | 204 | 670 | 400 | 670 | 1125 | M8x30 | 234 | 925 | 440 | 395 | 672 | 632 | 470 | 410 | 52 | 414 | 28 | 467 | 23 | 932 | 14 | 17 | 996 | 234 | | 414 | 470 | 467 | 932 |
| FS 561/6 P4A | 160L6 | 941 | 525 | 455 | 629 | 331 | 400 | 204 | 670 | 400 | 670 | 1125 | M8x30 | 234 | 925 | 440 | 395 | 672 | 632 | 470 | 410 | 52 | 414 | 28 | 467 | 23 | 932 | 14 | 17 | 996 | 234 | | 414 | 470 | 467 | 932 |
| FS 631/6 P4A | 160L6 | 992 | 590 | 515 | 698 | 375 | 450 | 229 | 750 | 450 | 750 | 1265 | M8x30 | 260 | 1040 | 440 | 395 | 762 | 702 | 470 | 461 | 52 | 414 | 28 | 518 | 23 | 983 | 14 | 17 | 1047 | 260 | | 414 | 470 | 518 | 983 |
| FS 631/6 P4A | 200LR6 | 1180 | 590 | 515 | 698 | 375 | 450 | 229 | 750 | 450 | 750 | 1265 | M8x30 | 311 | 1040 | 568 | 506 | 762 | 702 | 500 | 461 | 52 | 381 | 39 | 570 | 23 | 1013 | 19 | 17 | 1235 | 367 | 152 | 381 | 555 | 625 | 1068 |

[1] Con rodete de refrigeración
* Según tamaño motor

## DIMENSIONES (mm)

Modelos desde 561 hasta 631




Brida aspiración

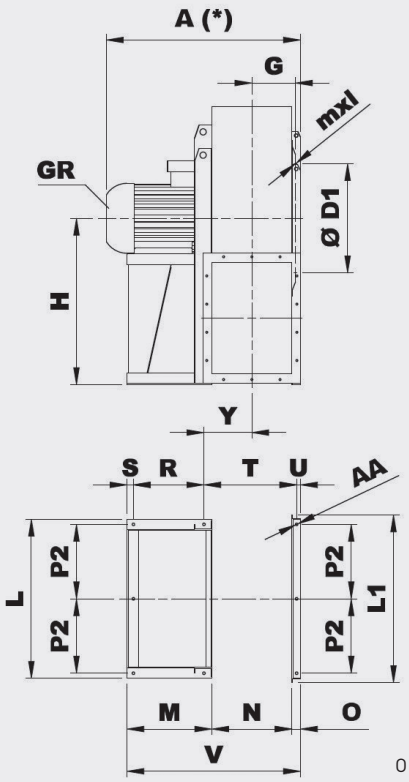
| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 561 | 560 | 629 | 566 | 666 | 10 | 12 |
| 631 | 630 | 698 | 636 | 736 | 10 | 12 |

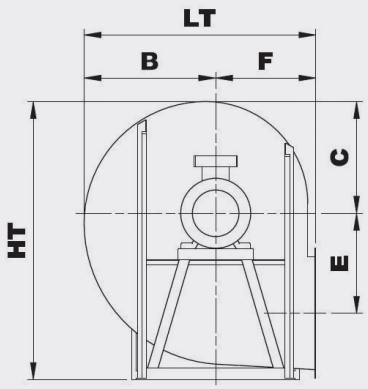
Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 561 | 560x400 | 569 | 404 | 629 | 464 | 669 | 504 | 160 | 14 | 3+3 | 4+4 |
| 631 | 630x450 | 638 | 453 | 698 | 513 | 738 | 553 | 160 | 14 | 3+3 | 4+4 |

## DIMENSIONES (mm)

Modelos desde 711 hasta 801

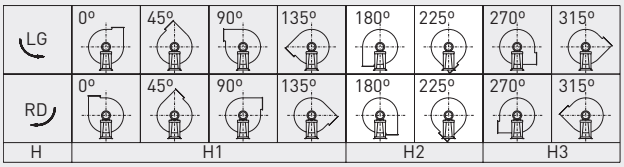





DESCARGA NO ORIENTABLE

ORIENTACIONES



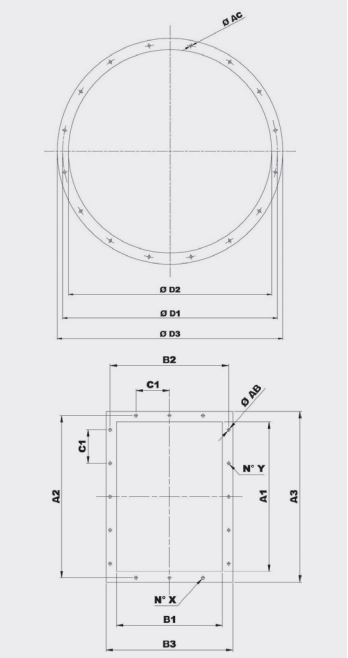

Para los ventiladores con orientaciones 180º y 225º, contactar con oficina técnica

| Modelo | | | | | | | | | | | | | | Base | | | | | | | | | | | Ejecución 4B[1] | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Motor GR | A* | B | C | ØD1 | E | F | G | H | | | HT | mxl | Y | LT | L | L1 | M | N | O | P2 | R | S | T | U | V | ØAA | A | Y | R | M | T | V |
| | | | | | | | | | H1 | H2 | H3 | | | | | | | | | | | | | | | | | | | | | |
| FS 711/6 P4A | 250M6 | | 665 | 565 | | | | | 670 | 500 | 850 | 1415 | | | 1165 | | | | | | | | | | | | | 935 | 317 | 263 | 362 | 497 | 826 |
| FS 711/6 P4A | 200L6 | 1124 | 665 | 565 | 775 | 431 | 500 | 256 | 670 | 500 | 850 | 1415 | M10x30 | 317 | 1165 | 836 | 844 | 500 | 513 | 63 | 386 | 401 | 39 | 609 | 27 | 1076 | 19 | 935 | 262 | 263 | 362 | 497 | 826 |
| FS 711/6 P4A | 180L8 | 1173 | 665 | 565 | 775 | 431 | 500 | 256 | 670 | 500 | 850 | 1415 | M10x30 | 317 | 1165 | 836 | 844 | 540 | 513 | 63 | 386 | 441 | 39 | 612 | 27 | 1116 | 19 | 1065 | 287 | 372 | 471 | 546 | 984 |
| FS 801/6 P4A | 250M6 | | 740 | 630 | | | | | 750 | 560 | 950 | 1580 | | | 1300 | | | | | | | | | | | | | 995 | 287 | 263 | 362 | 546 | 875 |

[1] Con rodete de refrigeración
* Según tamaño motor

## DIMENSIONES (mm)

Modelos desde 711 hasta 801




Brida aspiración

| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 711 | 710 | 775 | 716 | 816 | 12 | 16 |
| 801 | 800 | 861 | 806 | 906 | 12 | 16 |

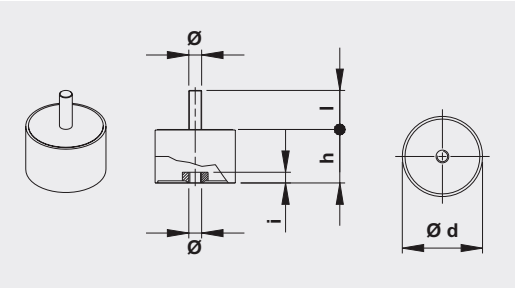
Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 711 | 710x500 | 715 | 507 | 775 | 567 | 815 | 607 | 160 | 14 | 3+3 | 5+5 |
| 801 | 800x560 | 801 | 569 | 871 | 639 | 921 | 689 | 200 | 14 | 3+3 | 4+4 |

## AMORTIGUADORES

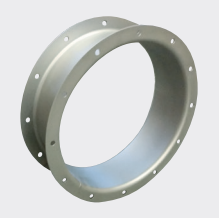
Amortiguadores recomendados

| Ventilador | Ejecución 4 |
|---|---|
| 201 | 4 x AM 20 - 20x20 |
| 221 | 4 x AM 20 - 20x20 |
| 251 | 4 x AM 25 - 25x20 |
| 281 | 4 x AM 25 - 25x20 |
| 311 | 4 x AM 30 - 30x30 |
| 351 | 4 x AM 30 - 30x30 |
| 401 | 4 x AM 30 - 30x30 |
| 451 | 4 x AM 40 - 40x30 |
| 501 | 4 x AM 40 - 40x30 |
| 561 | 4 x AM 50 - 50x40 |
| 631 | 4 x AM 50 - 50x40 |
| 711 | 4 x AM 75 - 75x50 |
| 801 | 4 x AM 75 - 75x50 |

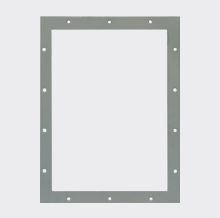



| Tipo | Carga para 4 soportes (kg) | d | h | Ø | l | Peso (kg) |
|---|---|---|---|---|---|---|
| AM 20 | 11÷40 | 20 | 20 | M6 | 15 | 0,02 |
| AM 25 | 41÷80 | 25 | 20 | M6 | 18 | 0,03 |
| AM 30 | 81÷140 | 30 | 30 | M8 | 20 | 0,05 |
| AM 40 | 141÷224 | 40 | 30 | M8 | 23 | 0,10 |
| AM 50 | 225÷315 | 50 | 40 | M10 | 28 | 0,20 |
| AM 75 | 316÷630 | 75 | 50 | M12 | 37 | 0,50 |

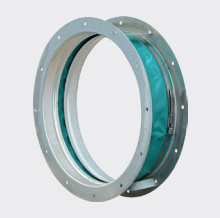
## ACCESORIOS



**CA (CFH1) - CFH2 - CFH3**
Contrabrida - Brida plana circular.



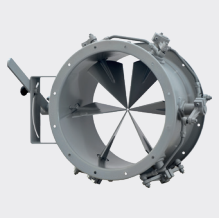
**CP**
Brida plana rectangular.



**GA**
Junta flexible aspiración.



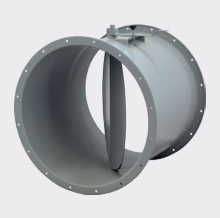
**GP**
Junta flexible descarga.



**DP**
Regulador de caudal de aspiración.



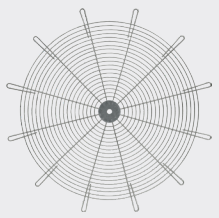
**SAD**
Compuerta de regulación de caudal de descarga.



**SF**
Vávula mariposa.



**DF**
Filtro en la aspiración.



**RC**
Rejilla de protección para la aspiración.



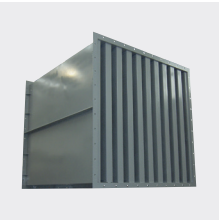
**AM/AZ**
Soportes antivibratorios.



**SCSO**
Silenciador cilíndrico.



**SCCO**
Silenciador cilíndrico con bulbo.



**SASS**
Silenciador rectangular.



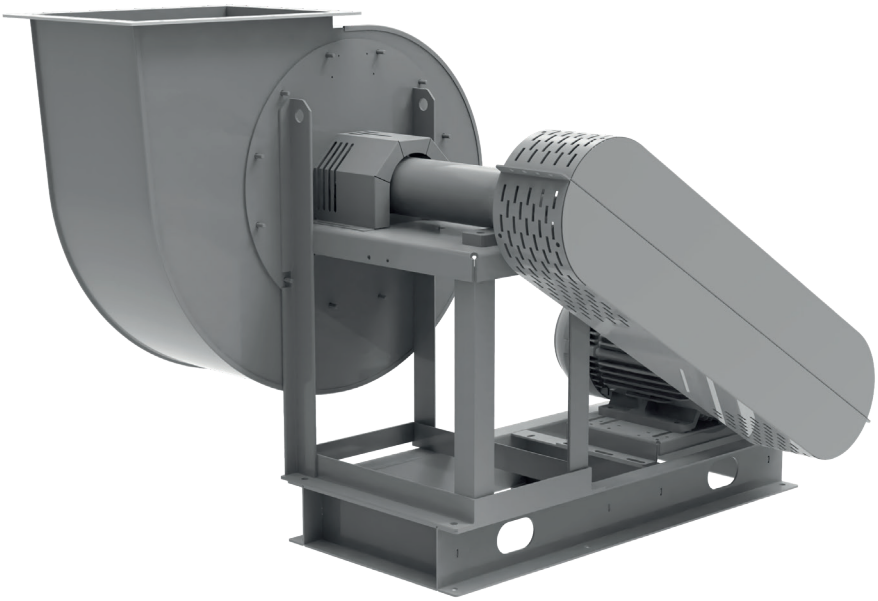
**CI**
Cabina de insonorización.

Ver información completa en página **772**.

# FS

## VENTILADORES CENTRÍFUGOS DE BAJA PRESIÓN

*TRANSMISIÓN*



Ventilador centrífugo con accionamiento por poleas y correas y simple aspiración. Fabricados en chapa de acero protegida contra la corrosión mediante tratamiento por cataforesis + pintura poliuretana. Temperaturas del aire a transportar -20ºC/+100ºC en continuo.

APLICACIONES

**Aire a transportar**
Muy polvoriento

**Cantidad de polvo (mg/m$^3$)**
<5000



Rodete de álabes curvados hacia adelante

### Sistemas de montaje

- SISTEMA 1: eje libre, para acoplamiento mediante poleas y correas.
- SISTEMA 9: incluye motor, poleas, correas y protector de correas. Motor montado en el lateral del pie soporte rodamientos.
- SISTEMA 12: incluye motor, poleas, correas y protector de correas. Motor montado sobre la bancada general.

### Motores

De 2, 4 o 6 polos, de alta eficiencia IE 3* (las r.p.m. de cada motor se adaptarán al cálculo de cada transmisión), tensión de alimentación trifásica 230/400V 50Hz hasta tamaño motor 112 y 400/690V 50Hz para motores de mayor dimensión. Protección IP55, Clase F.
* Controlado por convertidor de frecuencia.

### Bajo pedido

- Fabricación en diferentes materiales constructivos.
- Motores de 2 velocidades.
- Versiones de 60 Hz.
- Pintura en diferentes RAL.
- Versión para alta temperatura: hasta 300ºC (versiones B: con rodete de refrigeración).
- Trampilla de inspección, purga de drenaje, distintos tipos de estanqueidad a nivel de voluta y de paso de eje.
- Ventiladores estancos.
- Calorifugado.

### Versiones ATEX

Bajo pedido, versiones antiexplosivas según la Directiva ATEX para modelos trifásicos: Para trabajar a temperaturas de -20ºC a +60ºC, presión ambiente (absoluta) de 0,8 bar hasta 1,1 bar, según EN 14986.

- Gas:
  - Ex 2G IIB T2-T3
  - Ex 2G IIB+H2 T2-T3
  - Ex 3G IIB T2-T3
  - Ex 3G IIB+H2 T2-T3
- Polvo no conductivo:
  - Ex 2D IIIB T195°C-T295°C
  - Ex 3D IIIB T195°C-T295°C
- Polvo conductivo (con motor IP65 IIIC):
  - Ex 2D IIIC T195°C-T295°C
  - Ex 3D IIIC T195°C-T295°C

## CARACTERÍSTICAS TÉCNICAS

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación.

| Modelo | Caudal máximo ($m^3/h$) | Potencia motor máxima (kW) | Peso (kg)[1] | Momento de inercia ($kg \cdot m^2$)[2] |
|---|---|---|---|---|
| FS 201 P1A | 4.220 | 2,2 | 22 | 0,025 |
| FS 221 P1A | 5.270 | 3,0 | 25 | 0,035 |
| FS 251 P1A | 6.430 | 3,0 | 30 | 0,050 |
| FS 281 P1A | 8.080 | 4,0 | 40 | 0,080 |
| FS 311 P1A | 10.370 | 5,5 | 45 | 0,140 |
| FS 351 P1A | 13.160 | 7,5 | 71 | 0,220 |
| FS 401 P1A | 19.680 | 9,2 | 85 | 0,400 |
| FS 451 P1A | 25.530 | 11,0 | 100 | 0,750 |
| FS 501 P1A | 31.240 | 15,0 | 140 | 1,230 |
| FS 561 P1A | 38.010 | 18,5 | 170 | 2,150 |
| FS 631 P1A | 48.400 | 22,0 | 220 | 3,500 |
| FS 711 P1A | 61.820 | 30,0 | 280 | 6,000 |
| FS 801 P1A | 79.200 | 45,0 | 355 | 9,800 |
| FS 901 P1A | 107.240 | 45,0 | 435 | 18,500 |
| FS 1001 P1A | 131.620 | 55,0 | 570 | 32,500 |

[1] Para ejecución 1 y orientación LG270 o RD270
[2] Momento de inercia del rodete

SOPORTES SISTEMA 1

| Modelo | 251 | 281-311 | 351 | 401-451 | 501 | 561 |
|---|---|---|---|---|---|---|
| Soporte tipo | ST 47 AL19 | ST 62 AL24 | ST 80 AL28 | ST 90 AL38 | ST 100 AL42 | ST 110 AL48 |

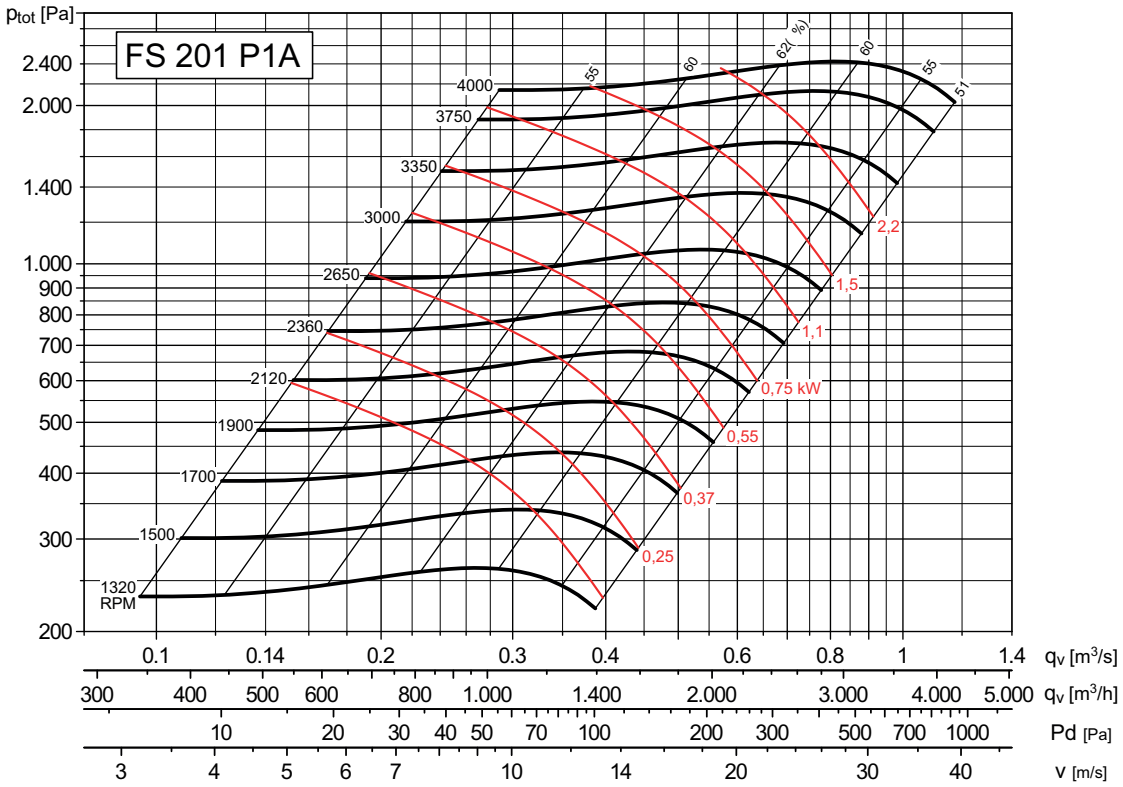
| Modelo | 631 | 711 | 801-901 | 1001 |
|---|---|---|---|---|
| Soporte tipo | ST 110 AL48 | ST 120 BL48 | ST 130 BL55 | SN 516 BL 65 |

MOTORES SISTEMA 9

| Modelo | 251 | 281-311 | 351-451 | 501-631 | 711-901 | 1001 |
|---|---|---|---|---|---|---|
| Tamaño motor | ≤ 90 L2 | ≤ 112 M2 | ≤ 132 MB4 | ≤ 160 L4-6 | ≤ 180 L6 | ≤ 200 L6 |

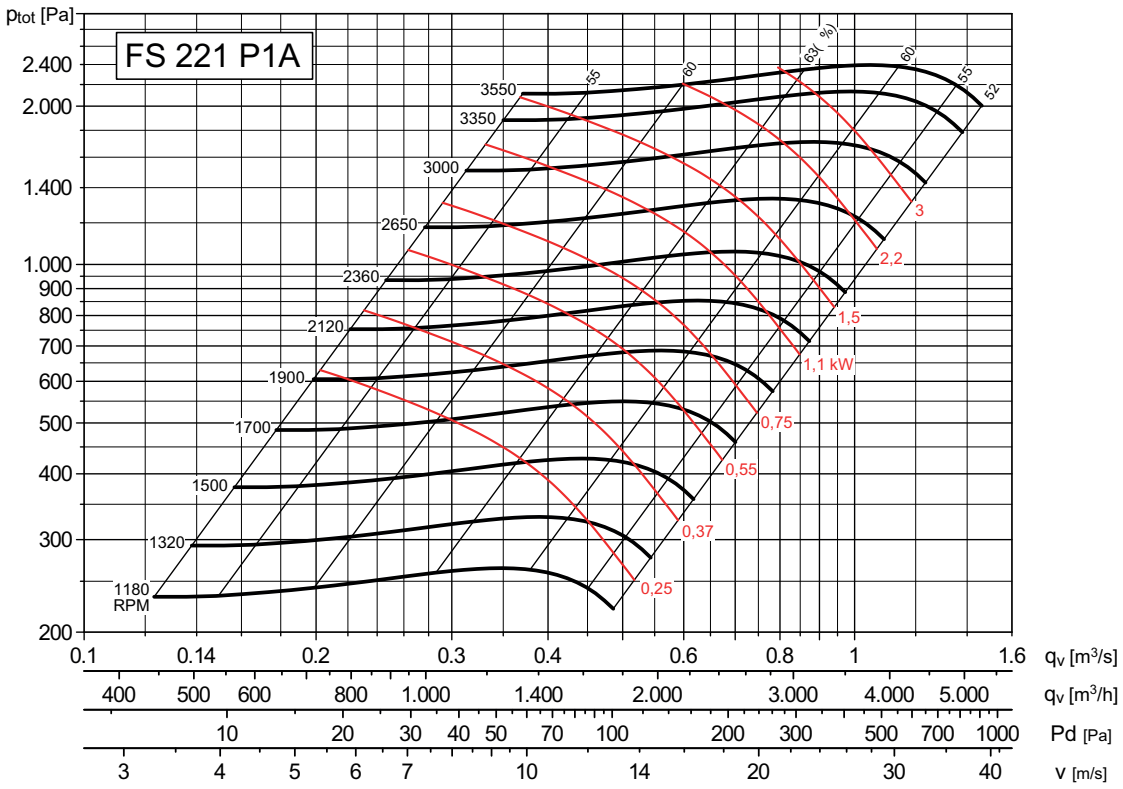
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 4000 rpm
101 ÷ 220°C = 3550 rpm
201 ÷ 300°C = 3150 rpm

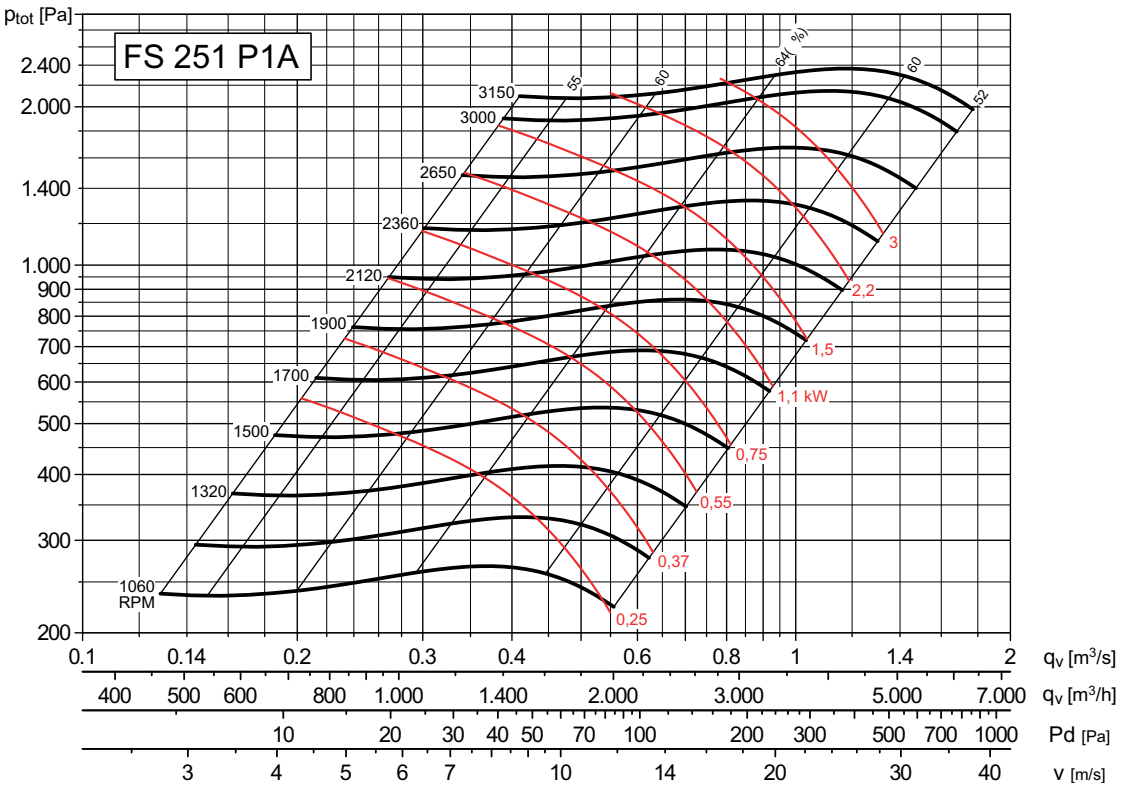



MAX. RPM

≤ 100°C = 3550 rpm
101 ÷ 220°C = 3150 rpm
201 ÷ 300°C = 2800 rpm

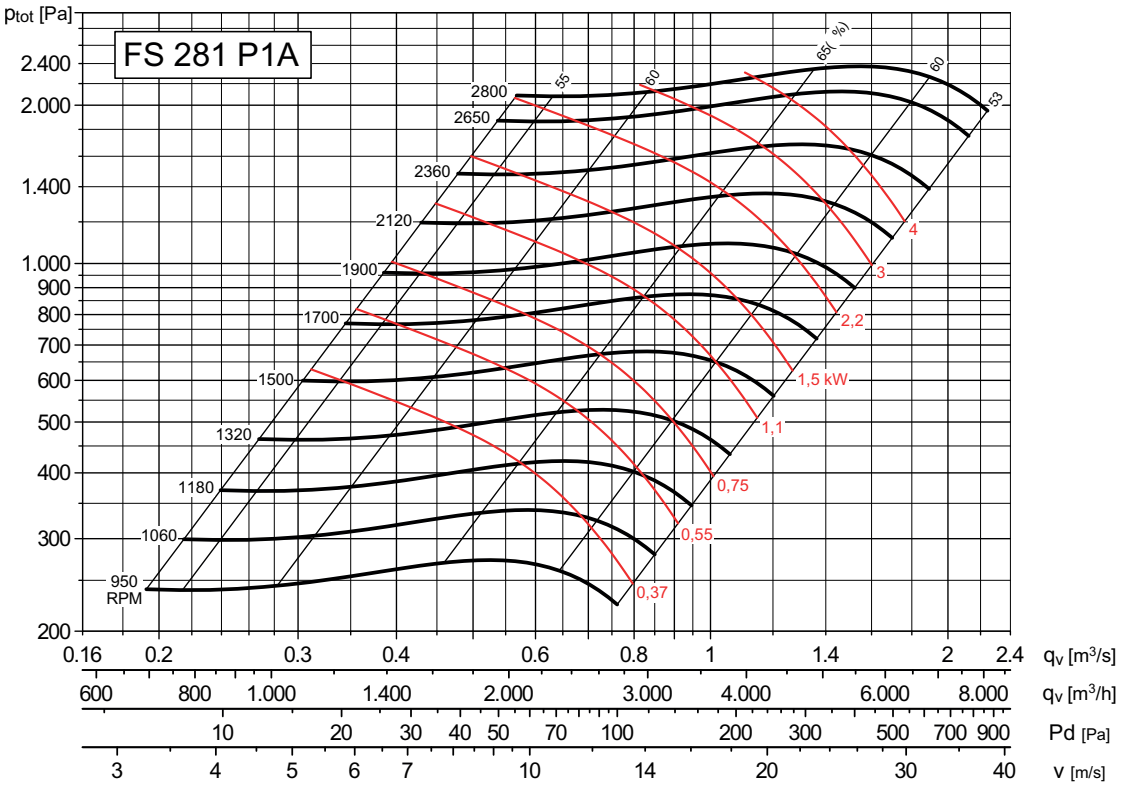
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 3150 rpm
101 ÷ 220°C = 2800 rpm
201 ÷ 300°C = 2500 rpm

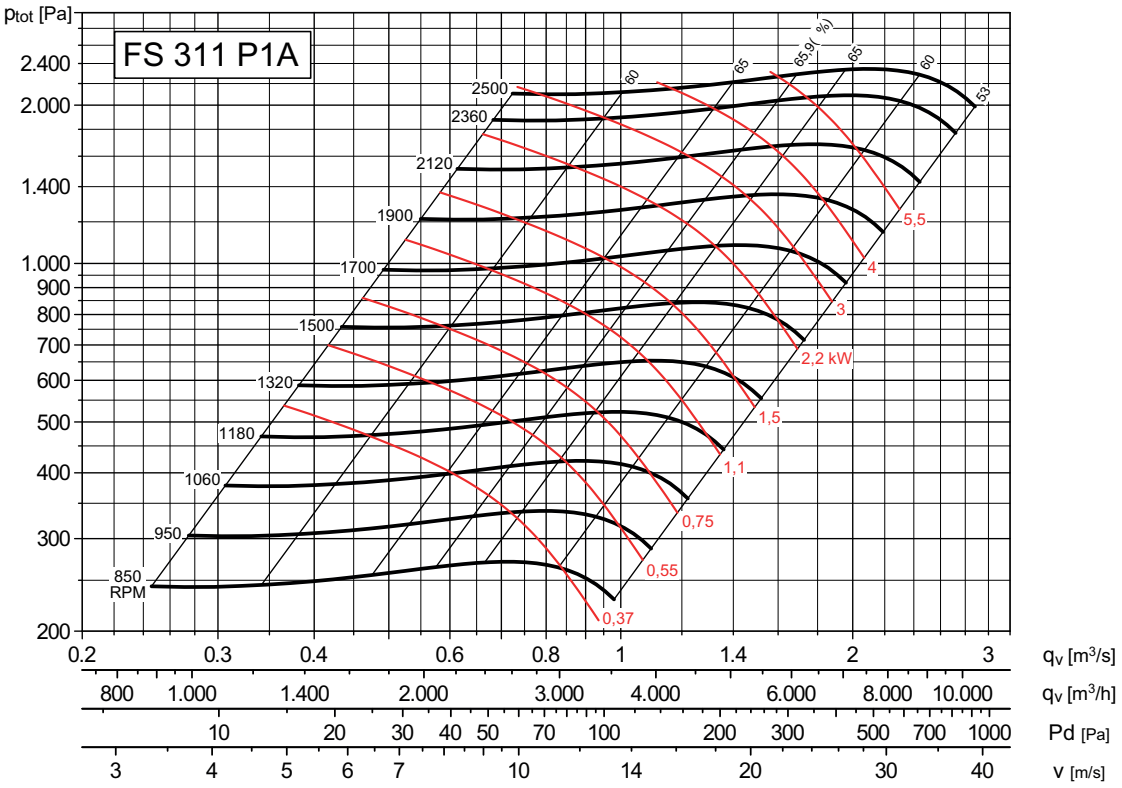



MAX. RPM

≤ 100°C = 2800 rpm
101 ÷ 220°C = 2500 rpm
201 ÷ 300°C = 2240 rpm

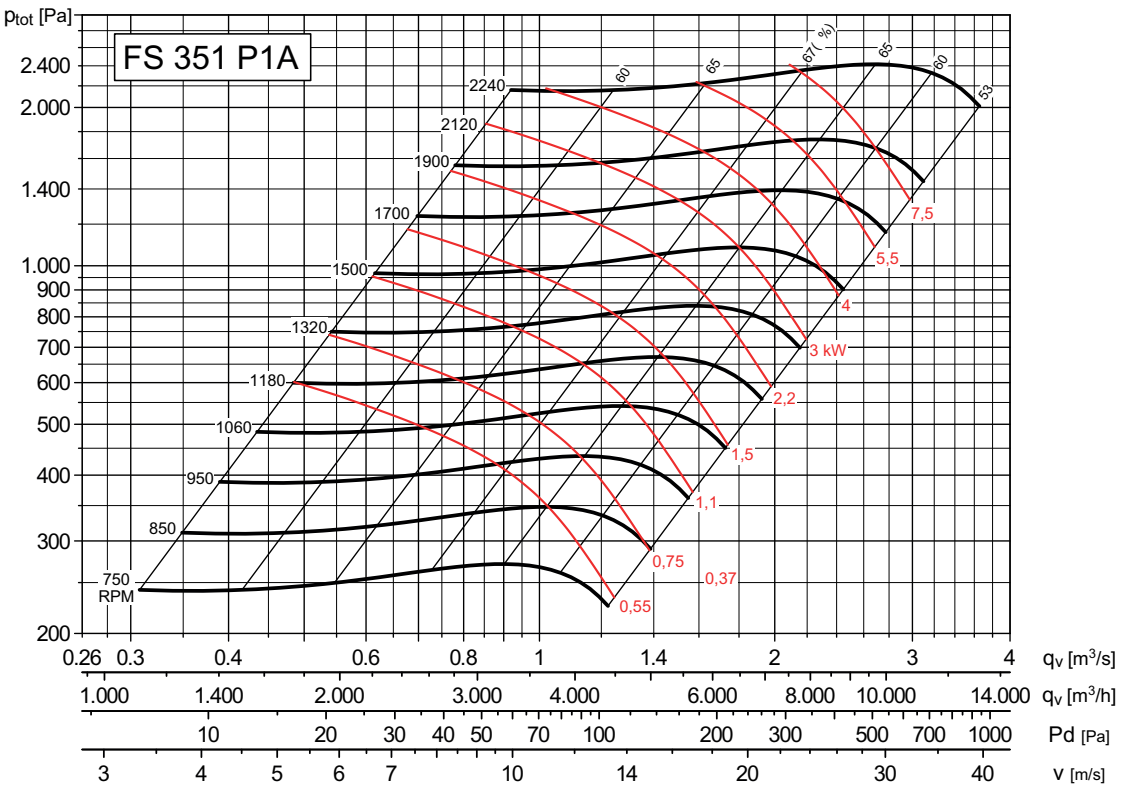
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 2500 rpm
101 ÷ 220°C = 2240 rpm
201 ÷ 300°C = 2000 rpm

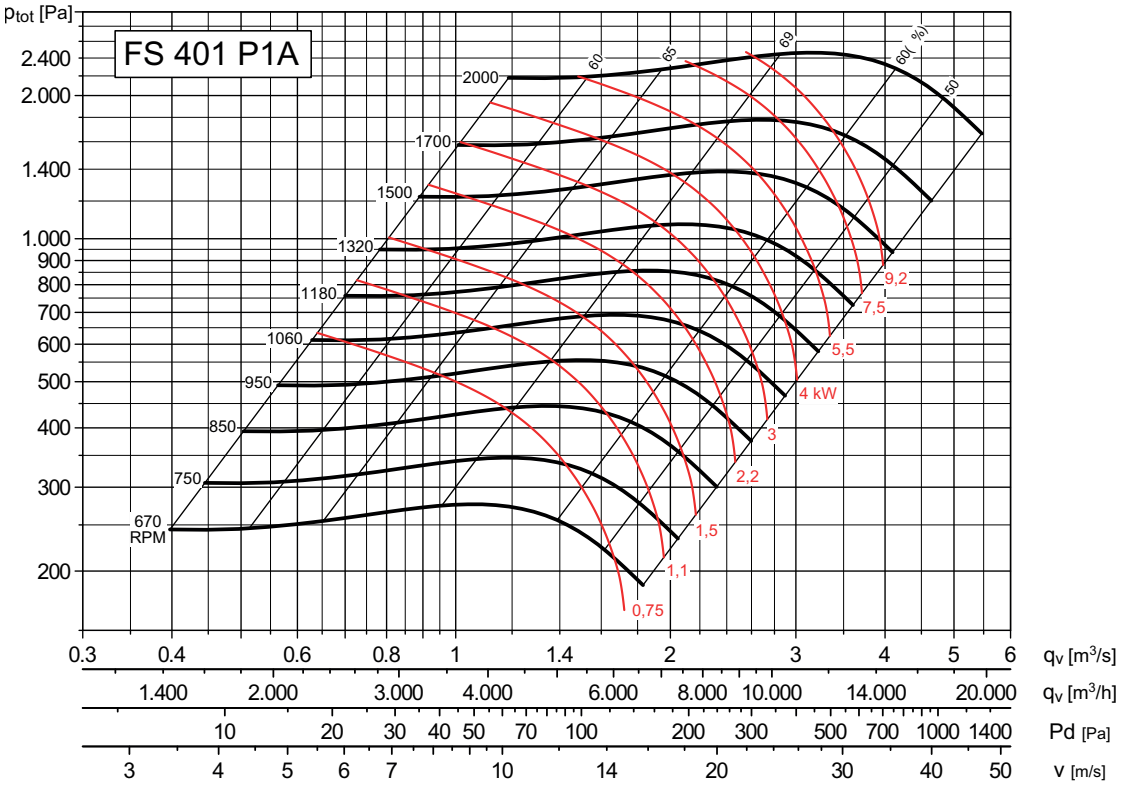



MAX. RPM

≤ 100°C = 2240 rpm
101 ÷ 220°C = 2000 rpm
201 ÷ 300°C = 1800 rpm

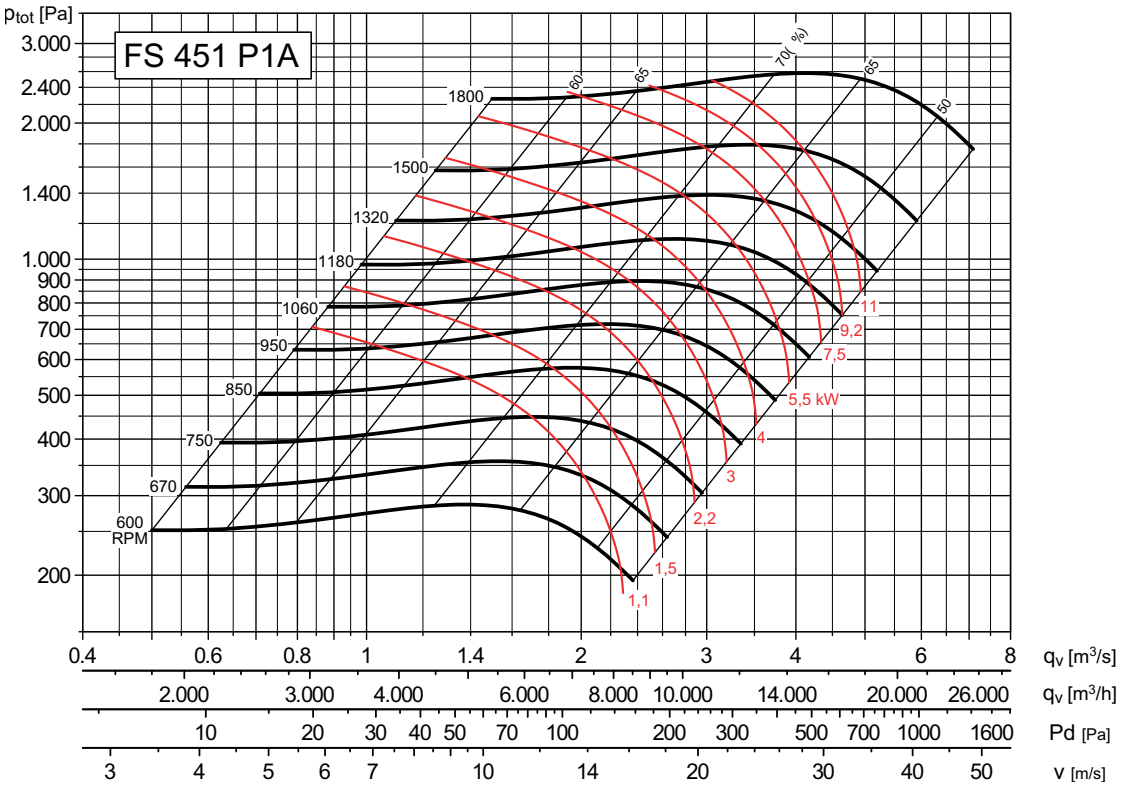
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 2000 rpm
101 ÷ 220°C = 1800 rpm
201 ÷ 300°C = 1600 rpm

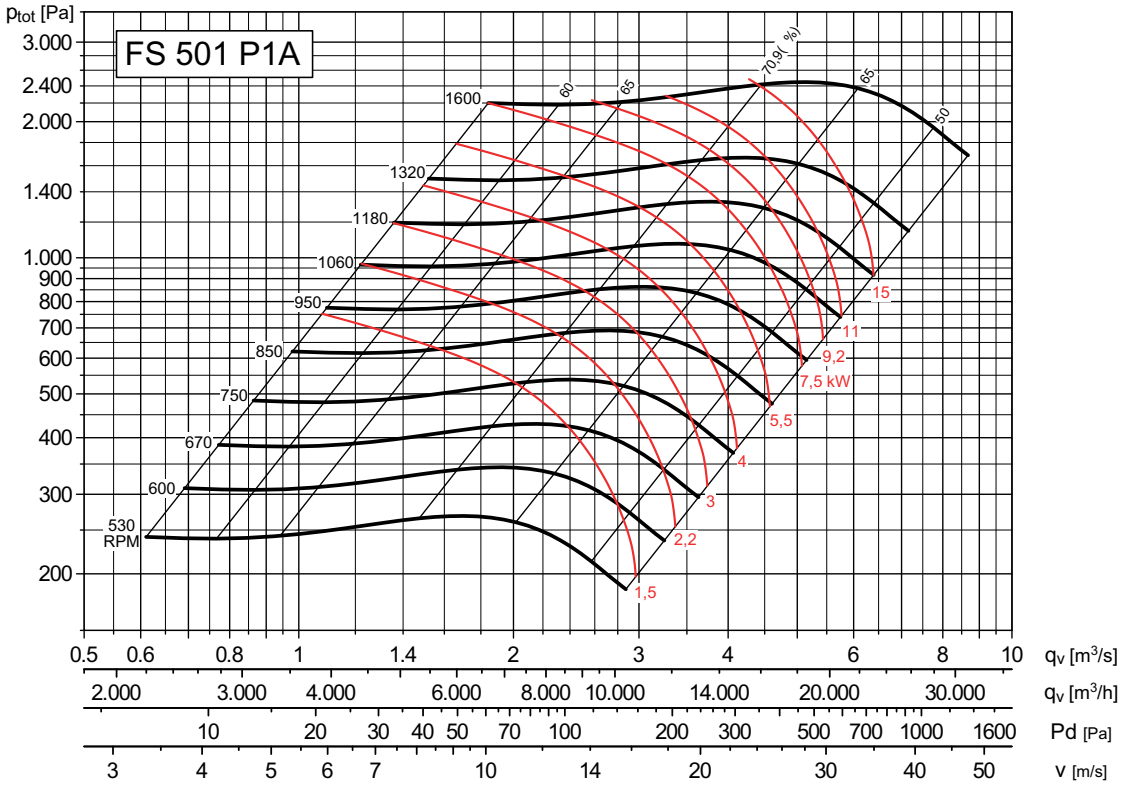



MAX. RPM

≤ 100°C = 1800 rpm
101 ÷ 220°C = 1600 rpm
201 ÷ 300°C = 1400 rpm

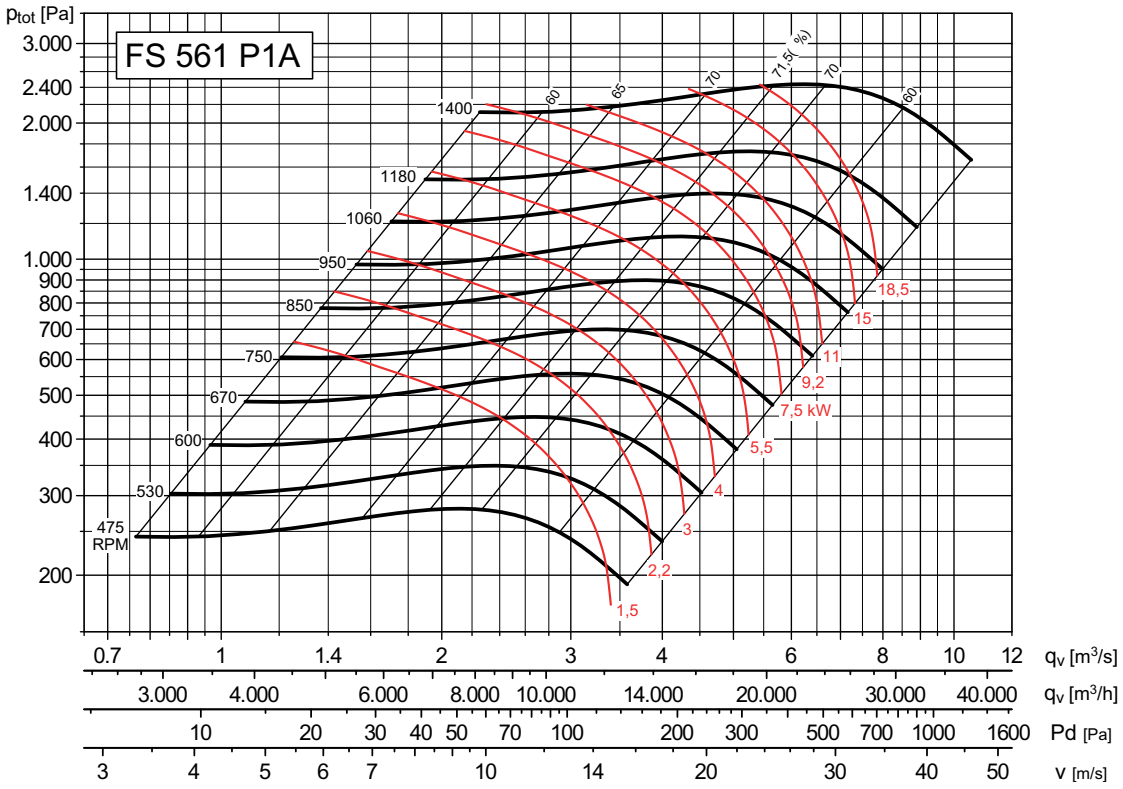
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 1600 rpm
101 ÷ 220°C = 1400 rpm
201 ÷ 300°C = 1250 rpm

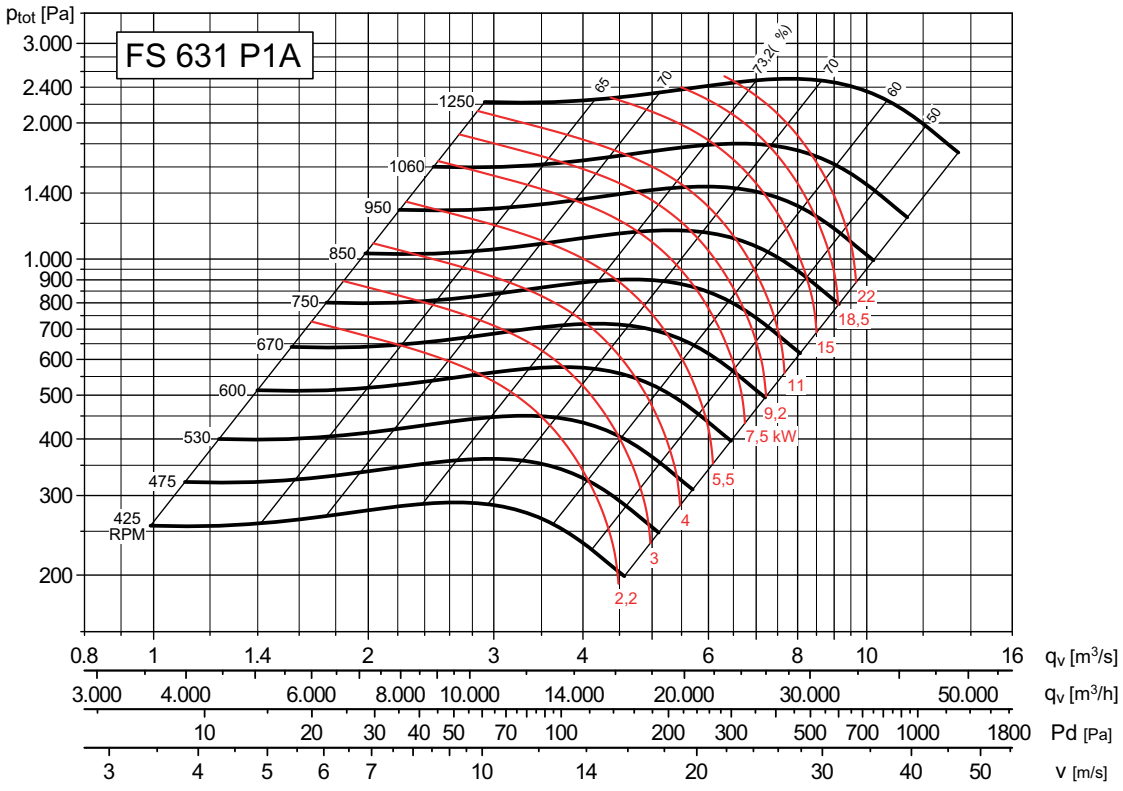



MAX. RPM

≤ 100°C = 1400 rpm
101 ÷ 220°C = 1250 rpm
201 ÷ 300°C = 1120 rpm

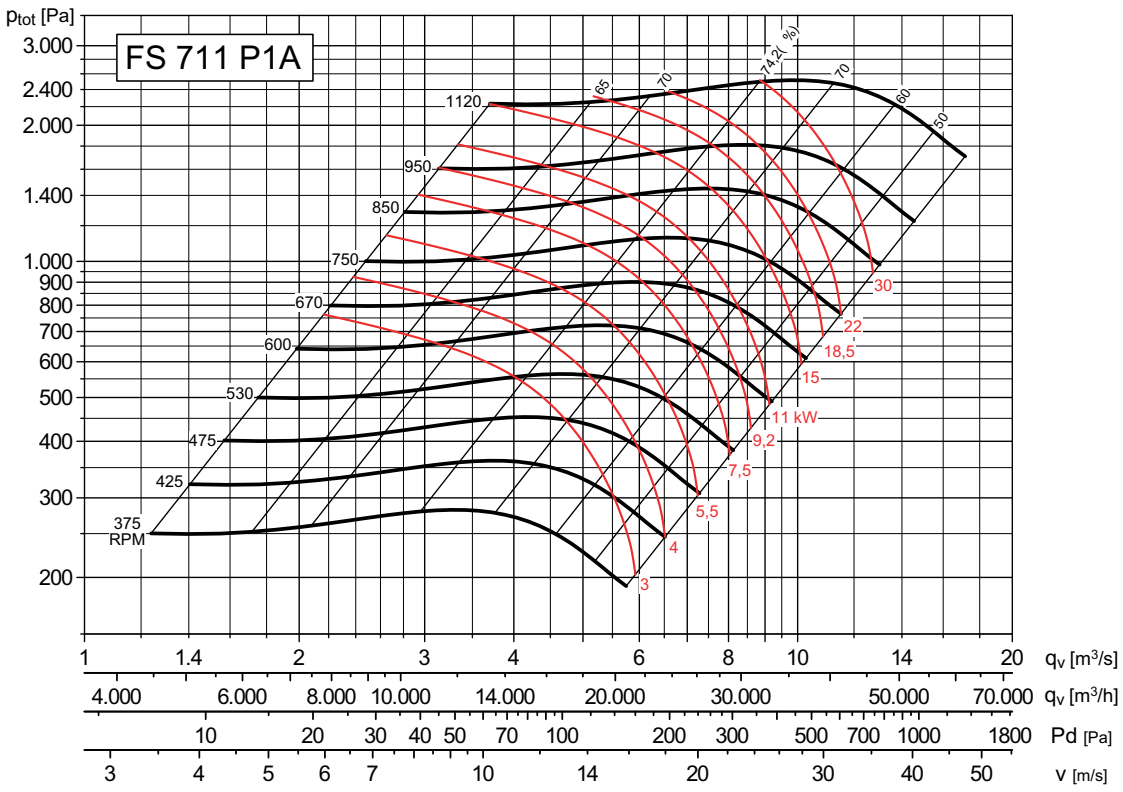
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 1250 rpm
101 ÷ 220°C = 1120 rpm
201 ÷ 300°C = 1000 rpm

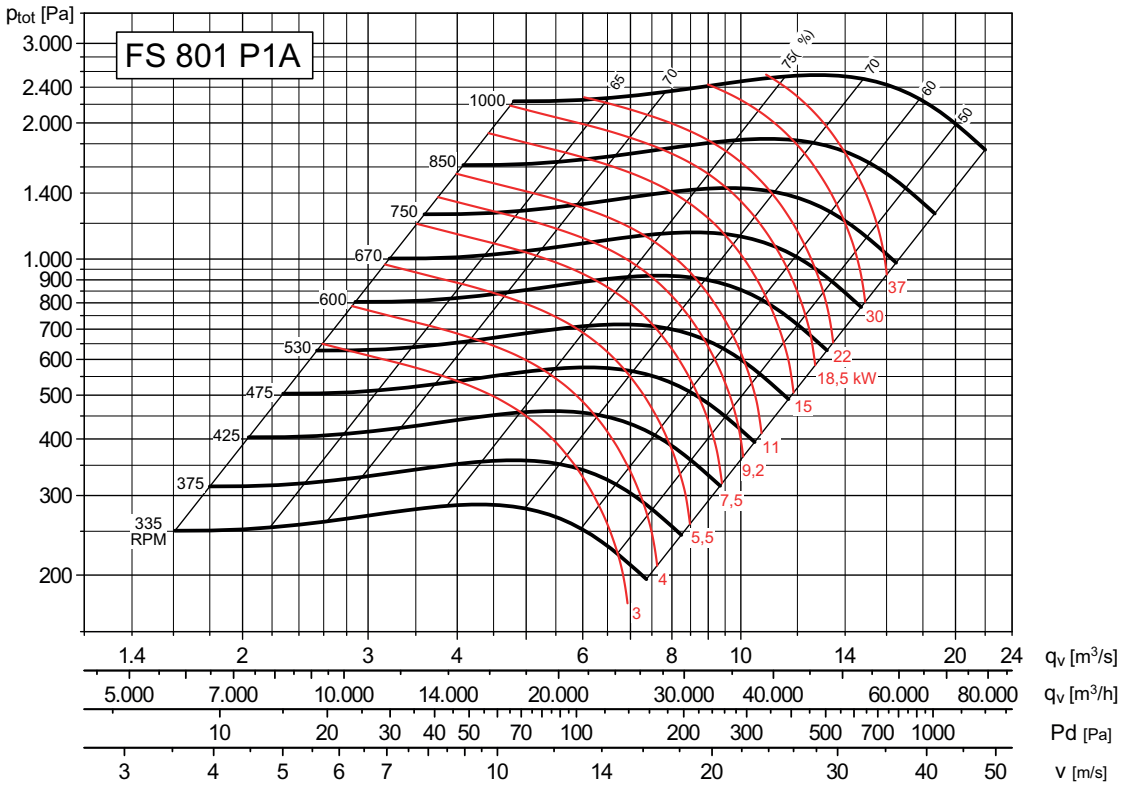



MAX. RPM

≤ 100°C = 1120 rpm
101 ÷ 220°C = 1000 rpm
201 ÷ 300°C = 900 rpm

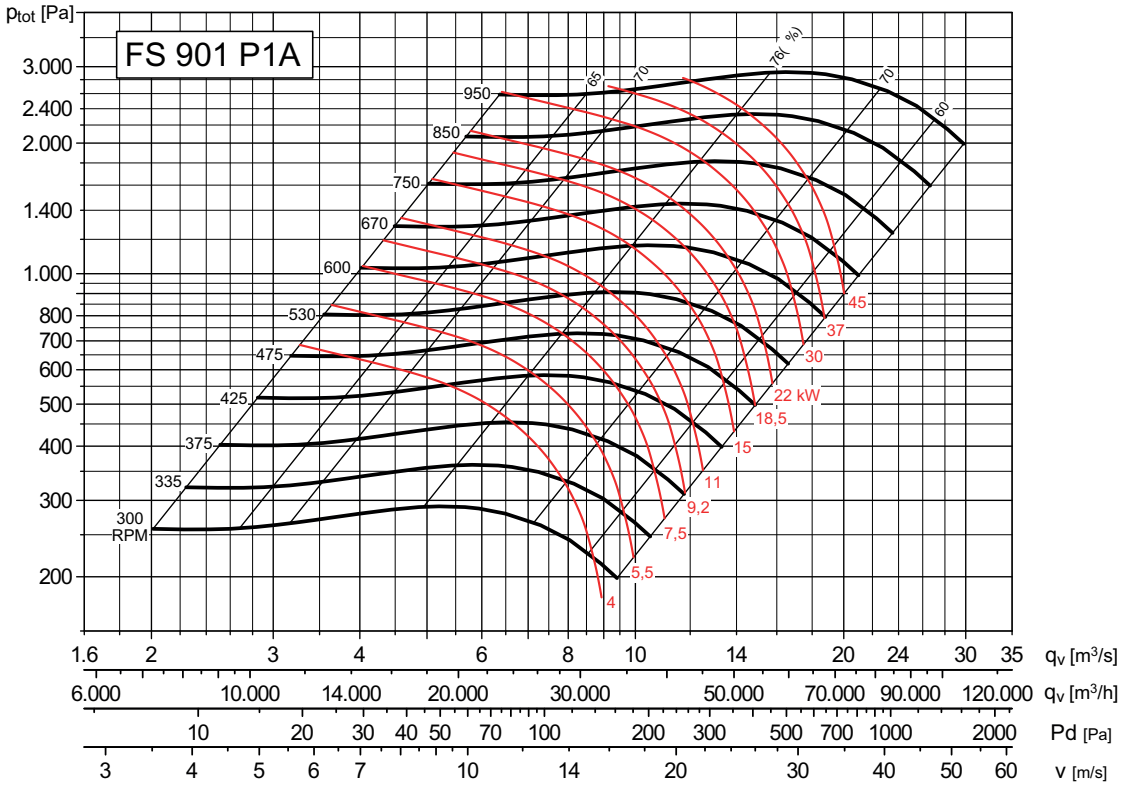
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 1000 rpm
101 ÷ 220°C = 900 rpm
201 ÷ 300°C = 800 rpm

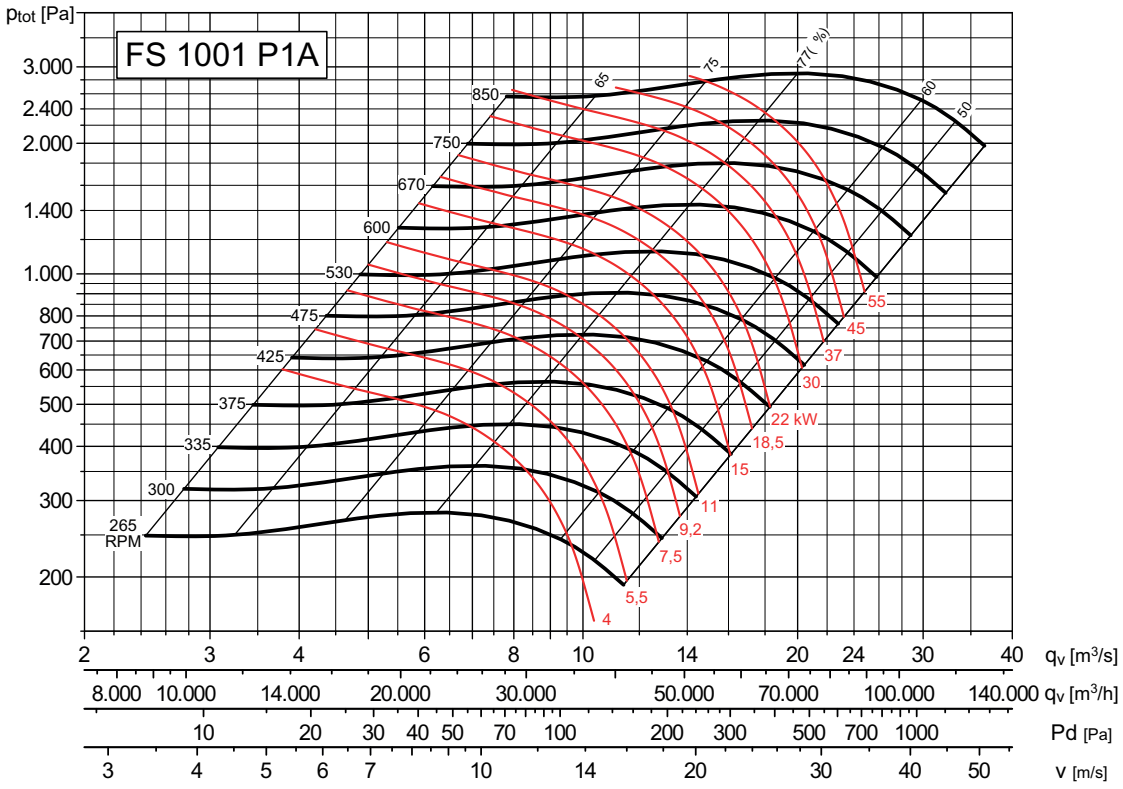



MAX. RPM

≤ 100°C = 900 rpm
101 ÷ 220°C = 800 rpm
201 ÷ 300°C = 710 rpm

## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**

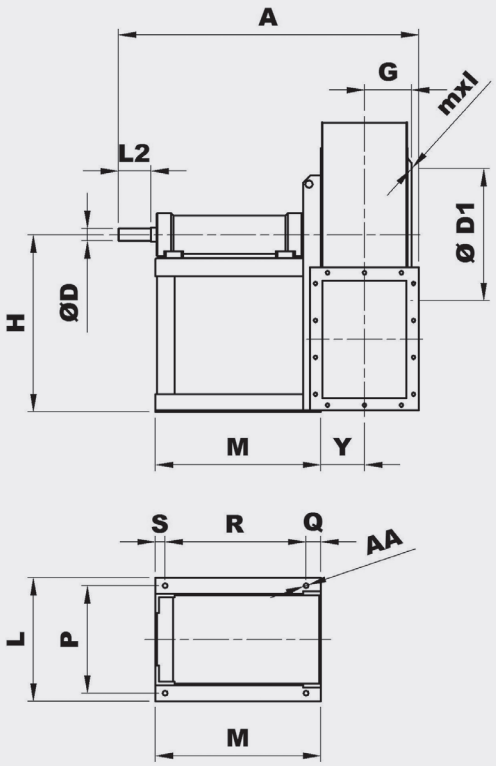


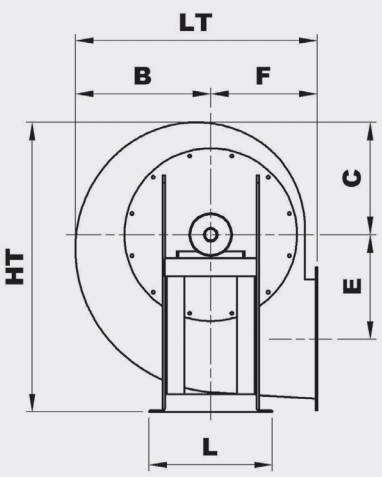

MAX. RPM

≤ 100°C = 800 rpm
101 ÷ 220°C = 710 rpm
201 ÷ 300°C = 630 rpm

## DIMENSIONES (mm)

Modelos desde 201 hasta 501

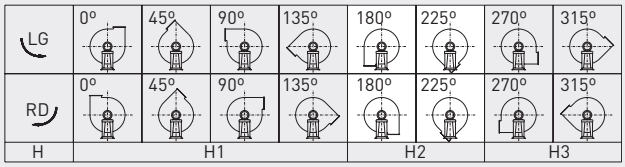



DESCARGA ORIENTABLE

EJECUCIÓN B
Con rodete de refrigeración, contactar con oficina técnica.

ORIENTACIONES



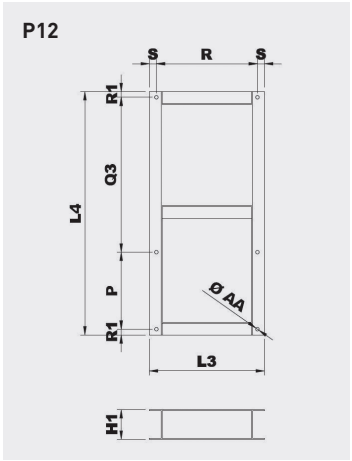

Para estas orientaciones, contactar con oficina técnica

| Modelo | A | B | C | ØD1 | E | F | G | H | | | HT | mxl | Y | LT | L | Eje | | Base | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | H1 | H2 | H3 | | | | | | ØD | L2 | P | M | Q | R | S | ØAA |
| FS 201 P1A | 524 | 200 | 175 | 241 | 120 | 165 | 75 | 265 | 165 | 265 | 440 | M6x16 | 95 | 365 | 255 | 19 | 40 | 228 | 282 | 55 | 210 | 17 | 10 |
| FS 221 P1A | 544 | 220 | 195 | 265 | 135 | 180 | 84 | 300 | 180 | 300 | 495 | M6x16 | 95 | 400 | 255 | 19 | 40 | 228 | 282 | 55 | 210 | 17 | 10 |
| FS 251 P1A | 594 | 245 | 210 | 292 | 150 | 195 | 93 | 315 | 195 | 315 | 525 | M8x20 | 95 | 440 | 255 | 19 | 40 | 228 | 282 | 55 | 210 | 17 | 10 |
| FS 281 P1A | 659 | 270 | 235 | 332 | 171 | 200 | 104 | 375 | 200 | 375 | 610 | M8x20 | 106 | 470 | 324 | 24 | 50 | 288 | 347 | 40 | 284 | 23 | 12 |
| FS 311 P1A | 684 | 300 | 260 | 366 | 196 | 225 | 116 | 400 | 225 | 400 | 660 | M8x20 | 118 | 525 | 324 | 24 | 50 | 288 | 347 | 40 | 284 | 23 | 12 |
| FS 351 P1A | 864 | 340 | 295 | 405 | 215 | 255 | 130 | 450 | 255 | 450 | 745 | M8x20 | 132 | 595 | 400 | 28 | 60 | 355 | 485 | 50 | 407 | 28 | 14 |
| FS 401 P1A | 913 | 375 | 330 | 448 | 243 | 285 | 146 | 500 | 285 | 500 | 830 | M8x20 | 148 | 660 | 400 | 38 | 80 | 355 | 485 | 50 | 407 | 28 | 14 |
| FS 451 P1A | 949 | 425 | 370 | 497 | 273 | 320 | 162 | 560 | 320 | 560 | 930 | M8x25 | 165 | 745 | 400 | 38 | 80 | 355 | 485 | 50 | 407 | 28 | 14 |
| FS 501 P1A | 1099 | 470 | 410 | 551 | 301 | 360 | 182 | 600 | 360 | 600 | 1010 | M8x25 | 185 | 830 | 418 | 42 | 110 | 364 | 560 | 50 | 477 | 33 | 17 |

## DIMENSIONES (mm)

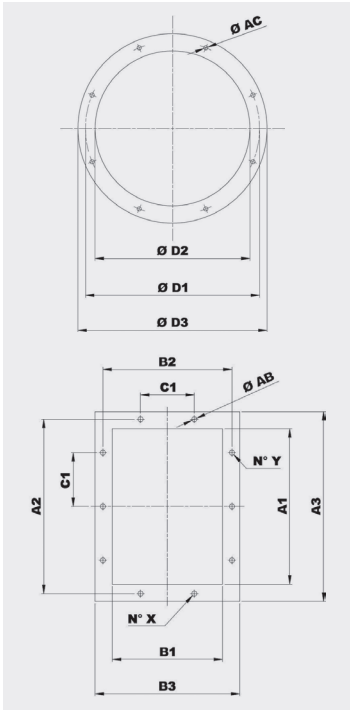
Modelos desde 201 hasta 501

P12




Bancada ejecución 12

| Modelo | H1 | P | L3 | L4 | Q3 | R | R1 | S | ØAA | Peso (kg) |
|---|---|---|---|---|---|---|---|---|---|---|
| 201 P12A | 80 | 228 | 244 | 700 | 445 | 210 | 13,5 | 17 | 10 | - |
| 221 P12A | 80 | 228 | 224 | 700 | 445 | 210 | 13,5 | 17 | 10 | - |
| 251 P12A | 80 | 228 | 244 | 700 | 445 | 210 | 13,5 | 17 | 10 | 6 |
| 281 P12A | 100 | 288 | 330 | 800 | 476 | 284 | 18 | 23 | 12 | 14 |
| 311 P12A | 100 | 288 | 330 | 800 | 476 | 284 | 18 | 23 | 12 | 14 |
| 351 P12A | 120 | 355 | 463 | 1010 | 610 | 407 | 22,5 | 28 | 14 | 25 |
| 401 P12A | 120 | 355 | 463 | 1010 | 610 | 407 | 22,5 | 28 | 14 | 25 |
| 451 P12A | 120 | 355 | 463 | 1010 | 610 | 407 | 22,5 | 28 | 14 | 25 |
| 501 P12A | 140 | 364 | 543 | 1150 | 732 | 477 | 27 | 33 | 17 | 34 |




Brida aspiración

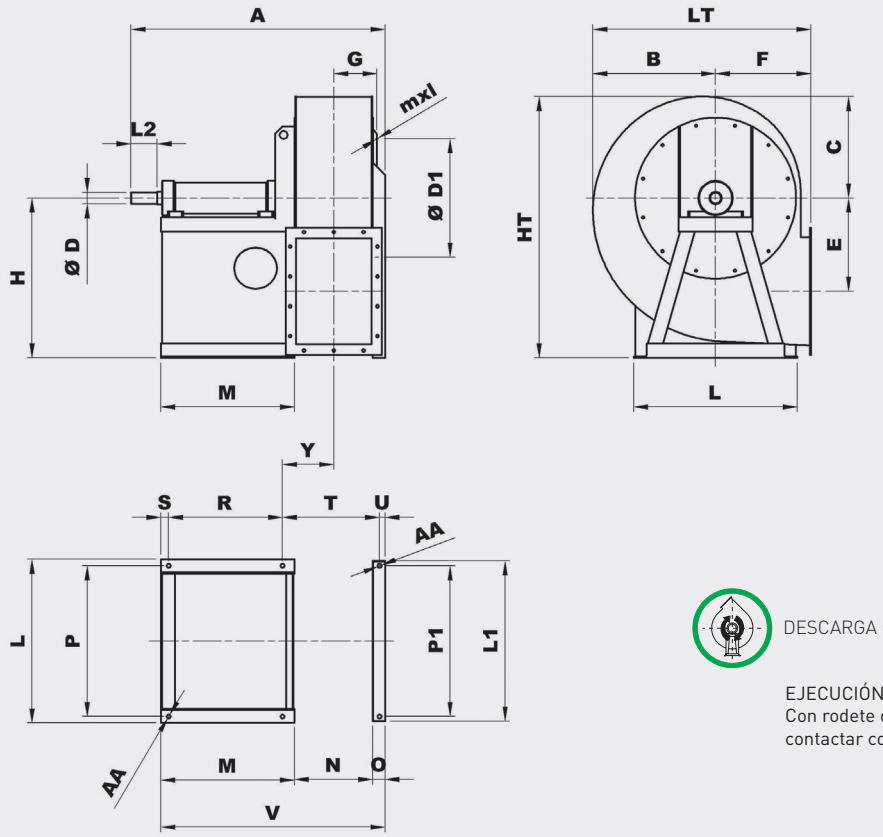
| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 201 | 200 | 241 | 204 | 274 | 8 | 8 |
| 221 | 224 | 265 | 228 | 298 | 8 | 8 |
| 251 | 250 | 292 | 254 | 324 | 10 | 8 |
| 281 | 280 | 332 | 285 | 365 | 10 | 8 |
| 311 | 315 | 366 | 320 | 400 | 10 | 8 |
| 351 | 355 | 405 | 360 | 440 | 10 | 8 |
| 401 | 400 | 448 | 405 | 485 | 10 | 12 |
| 451 | 450 | 497 | 455 | 535 | 10 | 12 |
| 501 | 500 | 551 | 505 | 585 | 10 | 12 |

Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 201 | 200x140 | 205 | 146 | 241 | 182 | 275 | 216 | 112 | 12 | 2+2 | 2+2 |
| 221 | 224x160 | 229 | 164 | 265 | 200 | 299 | 234 | 112 | 12 | 2+2 | 2+2 |
| 251 | 250x180 | 256 | 183 | 292 | 219 | 326 | 253 | 112 | 12 | 2+2 | 3+3 |
| 281 | 280x200 | 288 | 205 | 332 | 249 | 368 | 285 | 125 | 12 | 2+2 | 3+3 |
| 311 | 315x224 | 322 | 229 | 366 | 273 | 402 | 309 | 125 | 12 | 2+2 | 3+3 |
| 351 | 355x250 | 361 | 256 | 405 | 300 | 441 | 336 | 125 | 12 | 2+2 | 3+3 |
| 401 | 400x280 | 404 | 288 | 448 | 332 | 484 | 368 | 125 | 12 | 3+3 | 4+4 |
| 451 | 450x315 | 453 | 322 | 497 | 366 | 533 | 402 | 125 | 12 | 3+3 | 4+4 |
| 501 | 500x355 | 507 | 361 | 551 | 405 | 587 | 441 | 125 | 12 | 3+3 | 4+4 |

## DIMENSIONES (mm)

Modelos desde 561 hasta 631




DESCARGA ORIENTABLE

EJECUCIÓN B
Con rodete de refrigeración, contactar con oficina técnica.

ORIENTACIONES

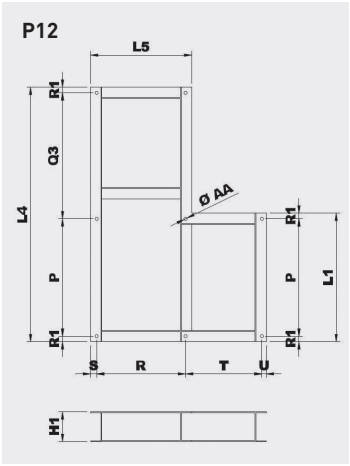
| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LG | 0º | 45º | 90º | 135º | 180º | 225º | 270º | 315º |
| RD | 0º | 45º | 90º | 135º | 180º | 225º | 270º | 315º |
| H | H1 | | | | H2 | | H3 | |

Para estas orientaciones, contactar con oficina técnica

| Modelo | A | B | C | ØD1 | E | F | G | H | | | HT | mxl | Y | LT | L | Eje | | Base | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | H1 | H2 | H3 | | | | | | ØD | L2 | P | L1 | P1 | M | N | O | R | S | T | U | V | ØAA |
| FS 561 P1A | 1150 | 525 | 455 | 629 | 331 | 400 | 204 | 670 | 400 | 670 | 1125 | M8x30 | 258 | 925 | 686 | 48 | 110 | 632 | 692 | 632 | 560 | 412 | 53 | 477 | 33 | 492 | 23 | 1025 | 17 |
| FS 631 P1A | 1195 | 590 | 515 | 698 | 375 | 450 | 229 | 750 | 450 | 750 | 1265 | M8x30 | 283 | 1040 | 756 | 48 | 110 | 702 | 762 | 702 | 560 | 462 | 53 | 477 | 33 | 542 | 23 | 1075 | 17 |

## DIMENSIONES (mm)

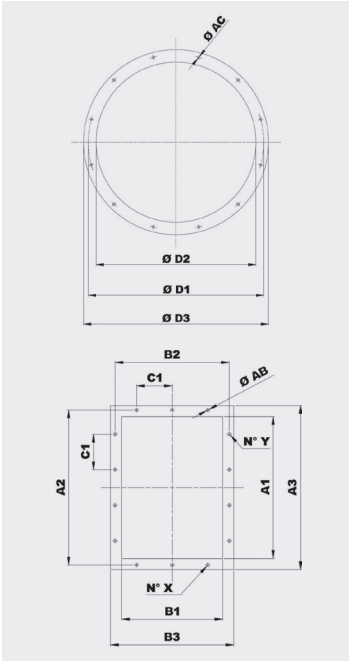
Modelos desde 561 hasta 631




Bancada ejecución 12

| Modelo | H1 | P | L1 | L4 | L5 | Q3 | R | R1 | S | T | U | ØAA | Peso (kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 561 P12A | 160 | 632 | 692 | 1370 | 543 | 678 | 477 | 30 | 33 | 492 | 23 | 17 | 52 |
| 631 P12A | 160 | 702 | 762 | 1470* | 543 | 708* | 477 | 30 | 33 | 542 | 23 | 17 | 56 |

* Para motores de talla 200, esta cota aumenta en 100 mm




Brida aspiración

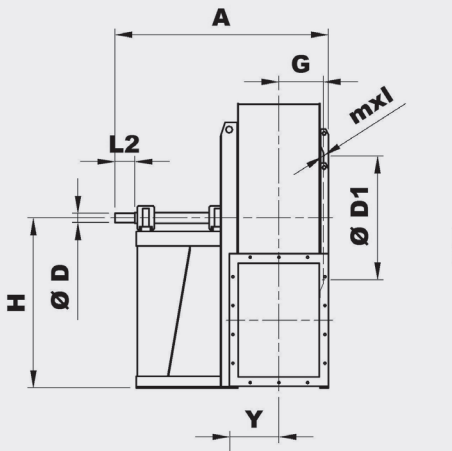
| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 561 | 560 | 629 | 566 | 666 | 10 | 12 |
| 631 | 630 | 698 | 636 | 736 | 10 | 12 |

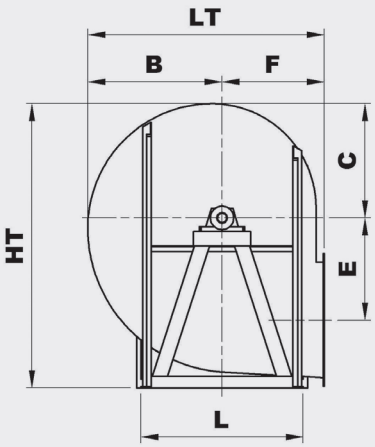
Brida descarga

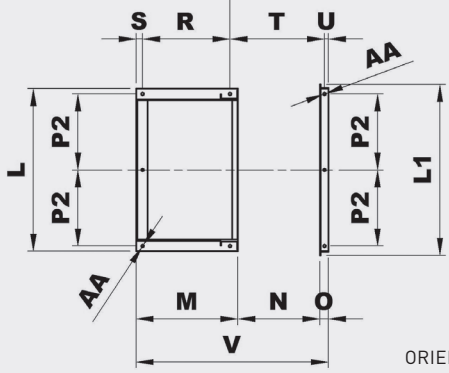
| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 561 | 560x400 | 569 | 404 | 629 | 464 | 669 | 504 | 160 | 14 | 3+3 | 4+4 |
| 631 | 630x450 | 638 | 453 | 698 | 513 | 738 | 553 | 160 | 14 | 3+3 | 4+4 |

## DIMENSIONES (mm)

Modelos desde 711 hasta 1001



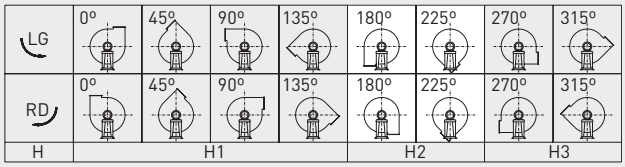






DESCARGA NO ORIENTABLE

EJECUCIÓN B
Con rodete de refrigeración, contactar con oficina técnica.

ORIENTACIONES

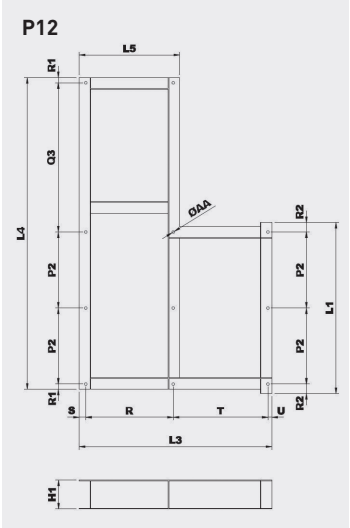



Para estas orientaciones, contactar con oficina técnica

| Modelo | A | B | C | ØD1 | E | F | G | H | | | HT | mxl | Y | LT | L | Eje | | Base | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | H1 | H2 | H3 | | | | | | ØD | L2 | L1 | M | N | O | P2 | R | S | T | U | V | ØAA |
| FS 711 P1A | 1355 | 665 | 565 | 775 | 431 | 500 | 255 | 670 | 500 | 850 | 1415 | M10x30 | 314 | 1165 | 836 | 48 | 110 | 896 | 650 | 507 | 60 | 386 | 551 | 39 | 600 | 27 | 1217 | 19 |
| FS 801 P1A | 1415 | 740 | 630 | 861 | 482 | 560 | 286 | 750 | 560 | 950 | 1580 | M10x30 | 345 | 1300 | 926 | 55 | 110 | 986 | 650 | 569 | 60 | 431 | 551 | 39 | 662 | 27 | 1279 | 19 |
| FS 901 P1A | 1485 | 830 | 705 | 958 | 543 | 630 | 321 | 850 | 630 | 1060 | 1765 | M10x30 | 379 | 1460 | 1026 | 55 | 110 | 1086 | 650 | 638 | 60 | 481 | 551 | 39 | 772 | 27 | 1348 | 19 |
| FS 1001 P1A | 1645 | 935 | 795 | 1067 | 610 | 710 | 359 | 950 | 710 | 1180 | 1975 | M10x30 | 413 | 1645 | 1128 | 65 | 140 | 1188 | 707 | 715 | 60 | 528 | 607 | 45 | 803 | 27 | 1482 | 19 |

## DIMENSIONES (mm)

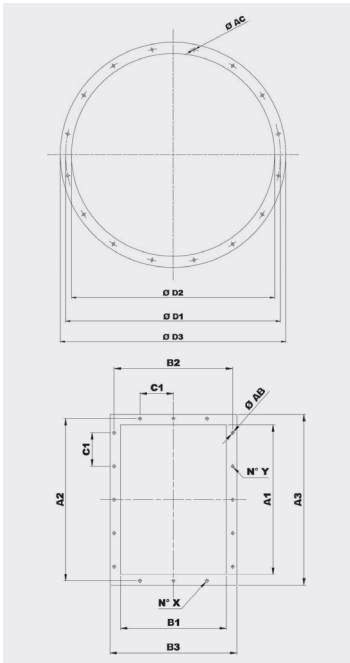
Modelos desde 711 hasta 1001




Bancada ejecución 12

| Modelo | H1 | P2 | L1 | L3 | L4 | L5 | Q3 | R | R1 | R2 | S | T | ØAA | Peso (kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 711 N12A | 180 | 386 | 896 | 1220 | 1643 | 629 | 807 | 551 | 32 | 62 | 39 | 600 | 19 | 85 |
| 801 N12A | 180 | 431 | 986 | 1282 | 1768* | 629 | 842* | 551 | 32 | 62 | 39 | 662 | 19 | 88 |
| 901 N12A | 180 | 481 | 1086 | 1351 | 2013 | 629 | 987 | 551 | 32 | 62 | 39 | 731 | 19 | 96 |
| 1001 N12A | 200 | 528 | 1188 | 1485 | 2164 | 697 | 1036 | 607 | 36 | 66 | 45 | 803 | 19 | 119 |

* Para motores de talla 250-280, esta cota aumenta en 100 mm




Brida aspiración

| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 711 | 710 | 775 | 716 | 816 | 12 | 16 |
| 801 | 800 | 861 | 806 | 906 | 12 | 16 |
| 901 | 900 | 958 | 906 | 1006 | 12 | 16 |
| 1001 | 1000 | 1067 | 1007 | 1107 | 12 | 24 |

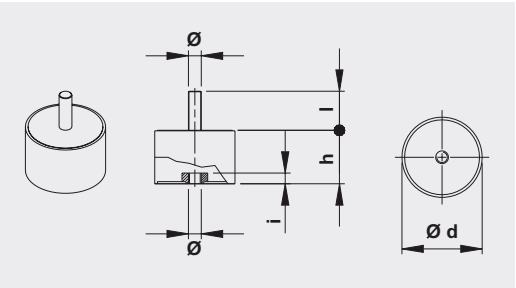
Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 711 | 710x500 | 715 | 507 | 775 | 567 | 815 | 607 | 160 | 14 | 3+3 | 5+5 |
| 801 | 800x560 | 801 | 569 | 871 | 639 | 921 | 689 | 200 | 14 | 3+3 | 4+4 |
| 901 | 900x630 | 898 | 638 | 968 | 708 | 1018 | 758 | 200 | 14 | 4+4 | 5+5 |
| 1001 | 1000x710 | 1007 | 715 | 1077 | 785 | 1127 | 835 | 200 | 14 | 4+4 | 5+5 |

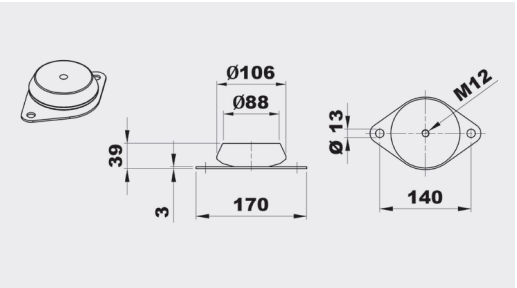
## AMORTIGUADORES

Amortiguadores recomendados

| Ventilador | Ejecución 9 | Ejecución 12 |
|---|---|---|
| 201 | 4 x AM 20 - 20x20 | 4 x AM 25 - 25x20 |
| 221 | 4 x AM 20 - 20x20 | 4 x AM 25 - 25x20 |
| 251 | 4 x AM 25 - 25x20 | 4 x AM 30 - 30x30 |
| 281 | 4 x AM 25 - 25x20 | 4 x AM 30 - 30x30 |
| 311 | 4 x AM 30 - 30x30 | 4 x AM 30 - 30x30 |
| 351 | 4 x AM 30 - 30x30 | 4 x AM 40 - 40x30 |
| 401 | 4 x AM 40 - 40x30 | 4 x AM 40 - 40x30 |
| 451 | 4 x AM 40 - 40x30 | 4 x AM 50 - 50x40 |
| 501 | 4 x AM 50 - 50x40 | 4 x AM 50 - 50x40 |
| 561 | 4 x AM 50 - 50x40 | 6 x AM 50 - 50x40 |
| 631 | 4 x AM 75 - 75x50 | 6 x AM 75 - 75x50 |
| 711 | 4 x AM 75 - 75x50 | 6 x AM 75 - 75x50 |
| 801 | 4 x AM 75 - 75x50 | 6 x AM 75 - 75x50 |
| 901 | 6 x AM 75 - 75x50 | 6 x AZ 39 - 140x39 |
| 1001 | 6 x AM 75 - 75x50 | 6 x AZ 39 - 140x39 |

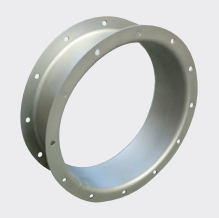



| Tipo | Carga para 4 soportes (kg) | d | h | Ø | l | Peso (kg) |
|---|---|---|---|---|---|---|
| AM 20 | 11÷40 | 20 | 20 | M6 | 15 | 0,02 |
| AM 25 | 41÷80 | 25 | 20 | M6 | 18 | 0,03 |
| AM 30 | 81÷140 | 30 | 30 | M8 | 20 | 0,05 |
| AM 40 | 141÷224 | 40 | 30 | M8 | 23 | 0,10 |
| AM 50 | 225÷315 | 50 | 40 | M10 | 28 | 0,20 |
| AM 75 | 316÷630 | 75 | 50 | M12 | 37 | 0,50 |

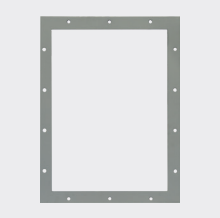



| Tipo | Carga para 4 soportes (kg) | Peso (kg) |
|---|---|---|
| AZ 39 | 631÷1250 | 0,7 |

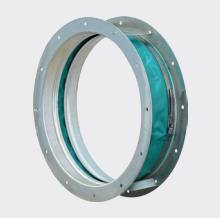
## ACCESORIOS



**CA (CFH1) - CFH2 - CFH3**
Contrabrida - Brida plana circular.



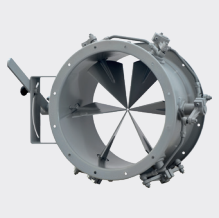
**CP**
Brida plana rectangular.



**GA**
Junta flexible aspiración.



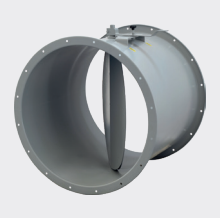
**GP**
Junta flexible descarga.



**DP**
Regulador de caudal de aspiración.



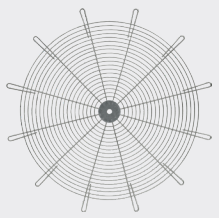
**SAD**
Compuerta de regulación de caudal de descarga.



**SF**
Vávula mariposa.



**DF**
Filtro en la aspiración.



**RC**
Rejilla de protección para la aspiración.



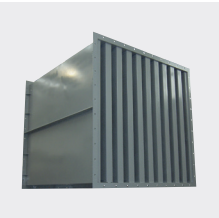
**AM/AZ**
Soportes antivibratorios.



**SCSO**
Silenciador cilíndrico.



**SCCO**
Silenciador cilíndrico con bulbo.



**SASS**
Silenciador rectangular.



**CI**
Cabina de insonorización.

Ver información completa en página **772**.

# Centrífugos de media presión

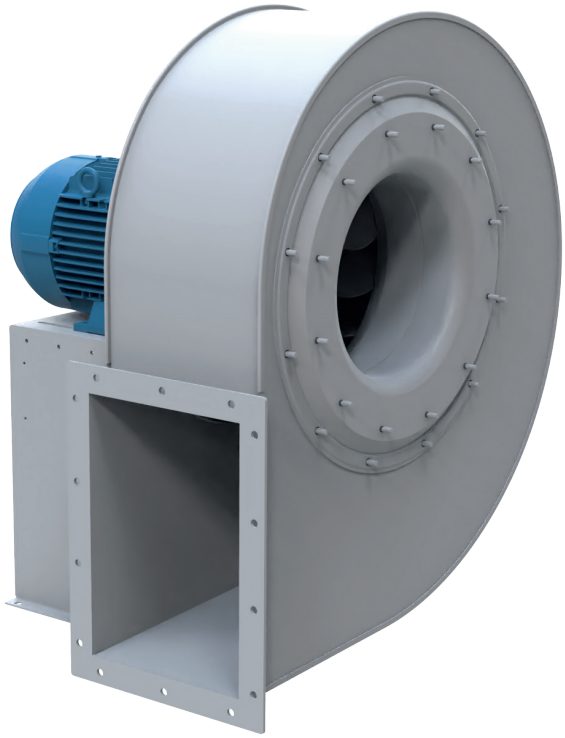
# FQ

## VENTILADORES CENTRÍFUGOS DE MEDIA PRESIÓN

*ACOPLAMIENTO DIRECTO*

ErP OK

Ventilador centrífugo de acoplamiento directo y simple aspiración. Fabricados en chapa de acero protegida contra la corrosión mediante tratamiento por cataforesis + pintura poliuretana. Temperaturas del aire a transportar -20ºC/+100ºC en continuo.



APLICACIONES

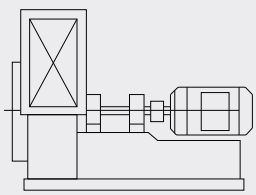
**Aire a transportar**
Ligeramente polvoriento

**Cantidad de polvo (mg/m³)**
<150



Rodete de álabes curvados hacia atrás

**SISTEMA 8:** acoplamiento mediante junta elástica.



Disponible bajo pedido

**Motores**
De 2, 4 o 6 polos, de alta eficiencia IE 3*, tensión de alimentación trifásica 230/400V 50Hz tamaño motor 112 y 400/690V 50Hz para motores de mayor dimensión. Protección IP55, Clase F.

* Entre 75 y 200kW, los motores suministrados serán IE4.

**Bajo pedido**
- Fabricación en diferentes materiales constructivos.
- Motores de 2 velocidades.
- Versiones de 60 Hz.
- Pintura en diferentes RAL.
- Versión sin pie soporte (Motor-Brida, Sistema 5), hasta tamaño de motor 160.
- Versión para alta temperatura: hasta 220ºC (versiones B: con rodete de refrigeración).
- SISTEMA 8: acoplamiento mediante junta elástica.
- Trampilla de inspección, purga de drenaje, distintos tipos de estanqueidad a nivel de voluta y de paso de eje.
- Ventiladores estancos.
- Calorifugado.

**Versiones ATEX**
Bajo pedido, versiones antiexplosivas según la Directiva ATEX para modelos trifásicos:
Para trabajar a temperaturas de -20ºC a +60ºC, presión ambiente (absoluta) de 0,8 bar hasta 1,1 bar, según EN 14986.
- Gas:
  - Ex 2G IIB T2-T3-T4
  - Ex 2G IIB+H2 T2-T3-T4
  - Ex 3G IIB T2-T3-T4
  - Ex 3G IIB+H2 T2-T3-T4
- Polvo no conductivo:
  - Ex 2D IIIB T125°C-T135°C-T195°C-T295°C
  - Ex 3D IIIB T125°C-T135°C-T195°C-T295°C
- Polvo conductivo (con motor IP65 IIIC):
  - Ex 2D IIIC T125°C-T135°C-T195°C-T295°C
  - Ex 3D IIIC T125°C-T135°C-T195°C-T295°C

## CARACTERÍSTICAS TÉCNICAS

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación

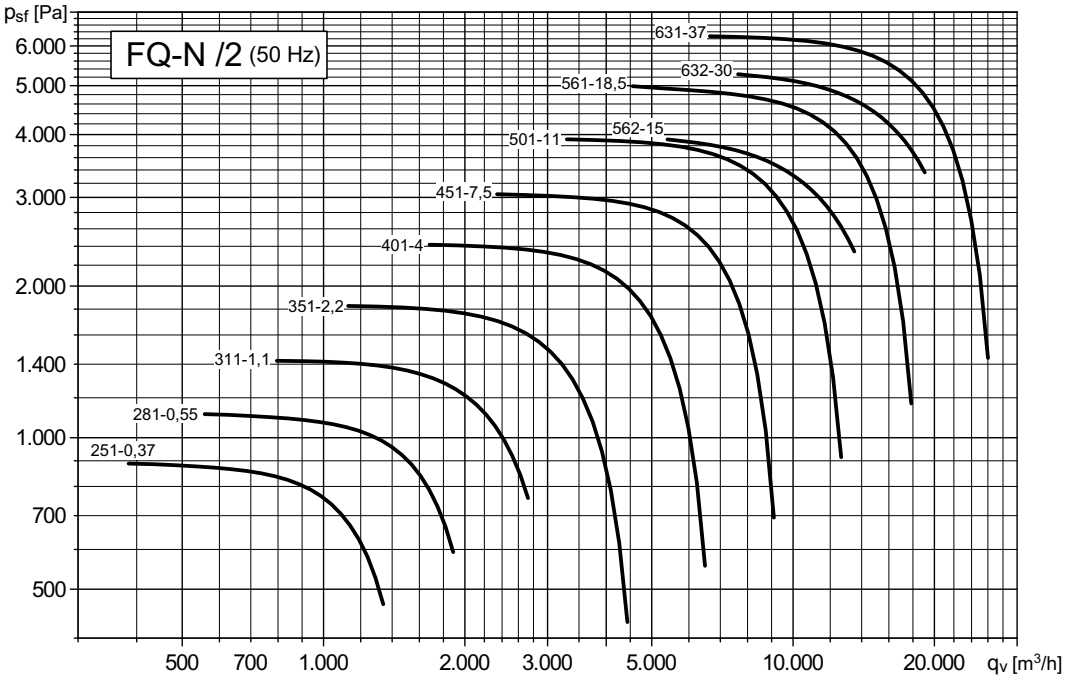
| Modelo | Tamaño motor | Velocidad (r.p.m.) | Potencia motor (kW) | Intensidad motor 400V (A) | Caudal máximo ($m^3/h$) | Nivel presión sonora a 1 m (dB(A))[1] | Peso (kg)[2] | Momento de inercia ($kg \cdot m^2$)[3] |
|---|---|---|---|---|---|---|---|---|
| 2 POLOS | | | | | | | | |
| FQ 251/2 N4A | 71A2 | 2810 | 0,37 | 0,90 | 1.340 | 60 | 25 | 0,02 |
| FQ 281/2 N4A | 71B2 | 2820 | 0,55 | 1,25 | 1.890 | 63 | 30 | 0,03 |
| FQ 311/2 N4A | 80B2 | 2840 | 1,10 | 2,33 | 2.730 | 67 | 40 | 0,06 |
| FQ 351/2 N4A | 90L2 | 2850 | 2,20 | 4,43 | 4.440 | 70 | 67 | 0,10 |
| FQ 401/2 N4A | 112M2 | 2910 | 4,00 | 7,50 | 6.490 | 74 | 105 | 0,19 |
| FQ 451/2 N4A | 132SB2 | 2890 | 7,50 | 13,90 | 9.100 | 77 | 150 | 0,30 |
| FQ 501/2 N4A | 160MR2 | 2930 | 11,00 | 18,70 | 12.660 | 81 | 230 | 0,55 |
| FQ 562/2 N4A | 160M2 | 2935 | 15,00 | 25,40 | 13.500 | 83 | 282 | 0,85 |
| FQ 561/2 N4A | 160L2 | 2935 | 18,50 | 33,30 | 17.860 | 84 | 292 | 0,93 |
| FQ 632/2 N4A | 200LR2 | 2960 | 30,00 | 53,50 | 19.080 | 87 | 380 | 1,40 |
| FQ 631/2 N4A | 200L2 | 2960 | 37,00 | 65,60 | 26.000 | 88 | 390 | 1,40 |
| 4 POLOS | | | | | | | | |
| FQ 501/4 N4A | 90S4 | 1390 | 1,10 | 2,30 | 6.010 | 62 | 128 | 0,58 |
| FQ 561/4 N4A | 100LA4 | 1420 | 2,20 | 4,56 | 8.640 | 66 | 138 | 0,90 |
| FQ 631/4 N4A | 112M4 | 1425 | 4,00 | 8,20 | 12.520 | 70 | 175 | 1,40 |
| FQ 712/4 N4A | 132SA4 | 1440 | 5,50 | 10,30 | 13.500 | 72 | 270 | 2,60 |
| FQ 711/4 N4A | 132MA4 | 1450 | 7,50 | 13,90 | 18.170 | 73 | 281 | 2,80 |
| FQ 802/4 N4A | 132MB4 | 1460 | 9,20 | 17,40 | 19.080 | 76 | 327 | 4,30 |
| FQ 801/4 N4A | 160M4 | 1450 | 15,00 | 28,40 | 25.630 | 77 | 397 | 4,80 |
| FQ 902/4 N4A | 180M4 | 1470 | 18,50 | 34,90 | 27.000 | 79 | 416 | 8,50 |
| FQ 901/4 N4A | 200L4 | 1470 | 30,00 | 54,60 | 37.040 | 80 | 671 | 9,30 |
| FQ 1002/4 N4A | 225S4 | 1475 | 37,00 | 65,60 | 38.160 | 83 | 749 | 17,50 |
| FQ 1001/4 N4A | 225M4 | 1475 | 45,00 | 79,40 | 50.980 | 84 | 759 | 19,30 |
| FQ 1122/4 N4A | 250M4 | 1475 | 55,00 | 96,90 | 54.000 | 86 | 1140 | 22,50 |
| FQ 1121/4 N4A | 280S4 | 1475 | 75,00 | 130,00 | 73.010 | 87 | 1212 | 23,80 |
| FQ 1252/4 N4A | 315S4 | 1480 | 110,00 | 192,00 | 76.320 | 90 | 1470 | 37,50 |
| FQ 1251/4 N4A | 315M4 | 1485 | 132,00 | 230,00 | 101.790 | 91 | 1530 | 42,50 |
| 6 POLOS | | | | | | | | |
| FQ 801/6 N4A | 132MA6 | 960 | 4,00 | 8,10 | 16.970 | 66 | 337 | 4,60 |
| FQ 901/6 N4A | 160M6 | 965 | 7,50 | 14,70 | 24.320 | 69 | 486 | 9,00 |
| FQ 1002/6 N4A | 160L6 | 965 | 11,00 | 21,50 | 24.970 | 73 | 612 | 18,80 |
| FQ 1001/6 N4A | 180L6 | 965 | 15,00 | 30,40 | 33.350 | 74 | 642 | 17,00 |
| FQ 1122/6 N4A | 200LR6 | 970 | 18,50 | 37,30 | 35.510 | 76 | 967 | 21,30 |
| FQ 1121/6 N4A | 200L6 | 970 | 22,00 | 43,00 | 48.020 | 77 | 987 | 22,50 |
| FQ 1252/6 N4A | 225M6 | 975 | 30,00 | 54,20 | 50.280 | 79 | 1220 | 37,50 |
| FQ 1251/6 N4A | 250M6 | 980 | 37,00 | 66,60 | 67.170 | 80 | 1316 | 40,00 |
| FQ 1402/6 N4A | 280S6 | 980 | 45,00 | 83,40 | 76.320 | 82 | 1834 | 65,00 |
| FQ 1401/6 N4A | 315S6 | 985 | 75,00 | 136,00 | 94.980 | 83 | 1954 | 67,50 |

1 Entubado en la descarga
Tolerancia del nivel de ruido de +3dB/A, medido en el punto de máxima eficiencia
2 Con motor incluido y para orientación LG270 o RD270
3 Momento de inercia del rodete

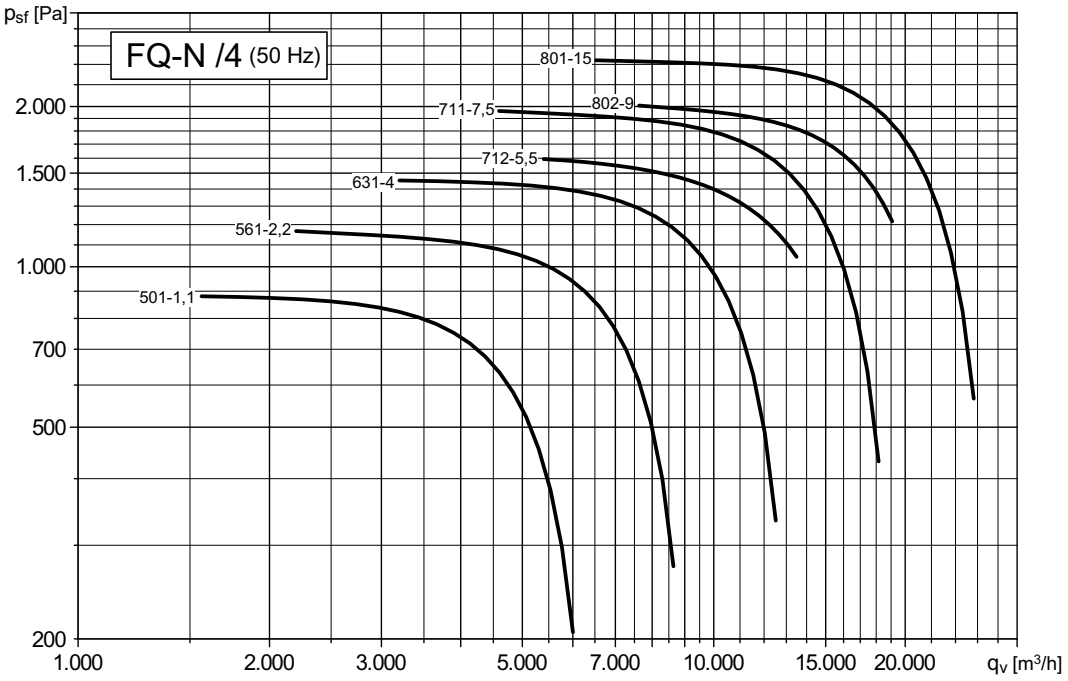
## CURVAS CARACTERÍSTICAS (a la descarga)

- Ventiladores ensayados con la aspiración y la descarga entubadas
- Caudal en $m^3/h$
- **Psf: Presión estática en Pa**
- Modelo - Potencia motor en kW
- Ejemplo: 561 - 18,5
  Modelo - kW

2 polos - Modelos desde 251 hasta 631



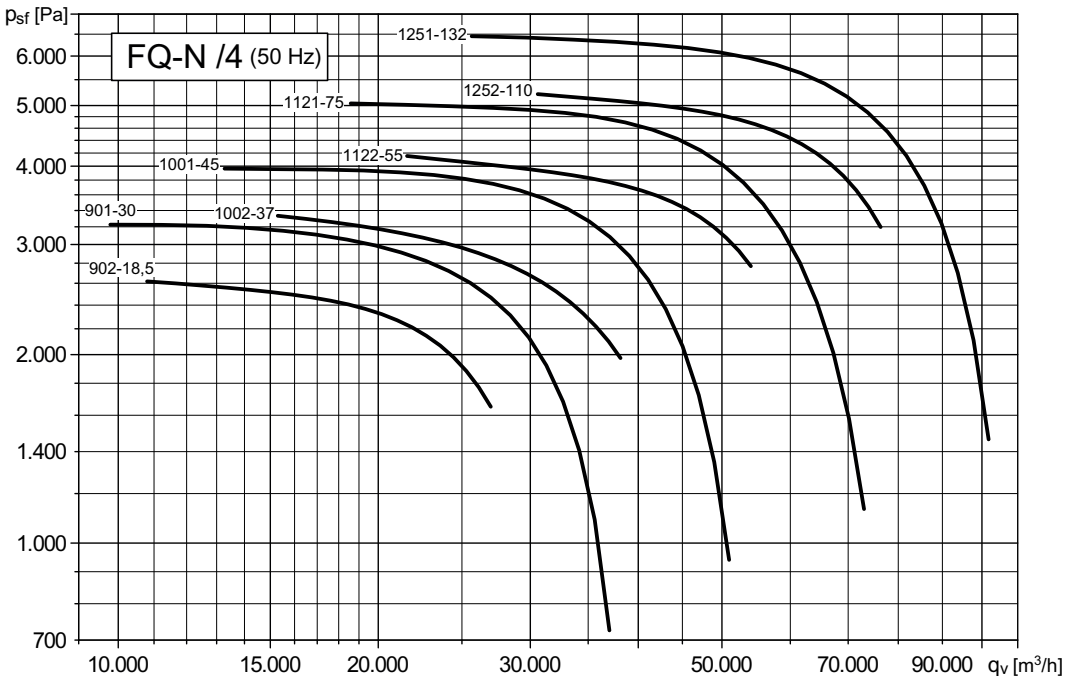

4 polos - Modelos desde 501 hasta 801



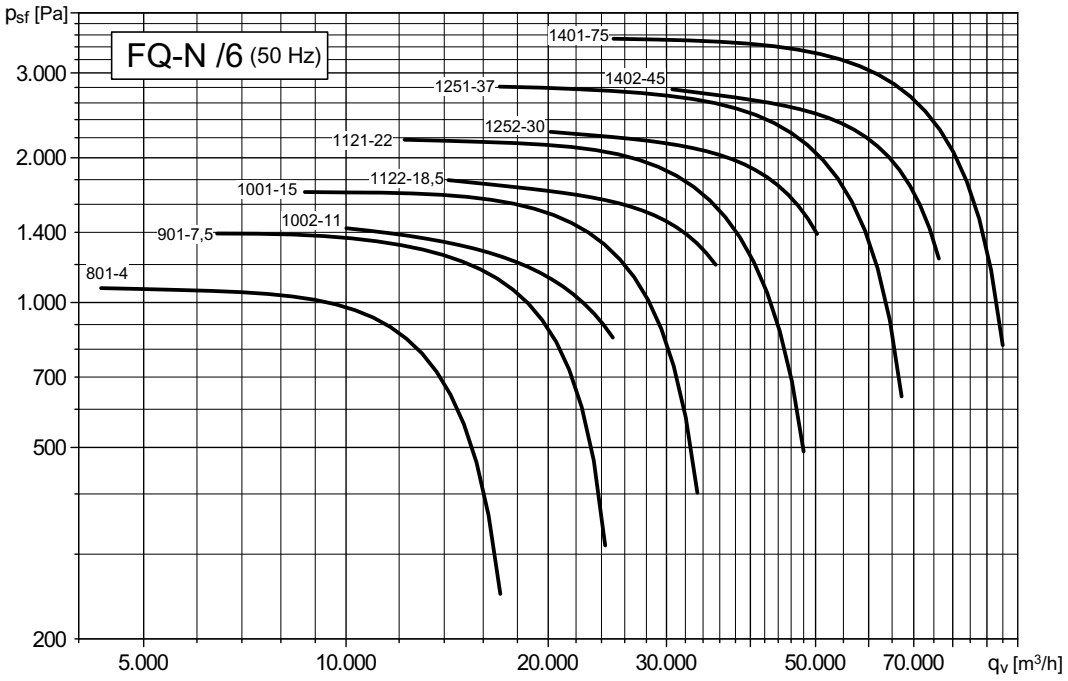
## CURVAS CARACTERÍSTICAS (a la descarga)

- Ventiladores ensayados con la aspiración y la descarga entubadas
- Caudal en $m^3/h$
- **Psf: Presión estática en Pa**
- Modelo - Potencia motor en kW
- Ejemplo: 1001 - 45
  Modelo - kW

4 polos - Modelos desde 901 hasta 1251




6 polos - Modelos desde 801 hasta 1401



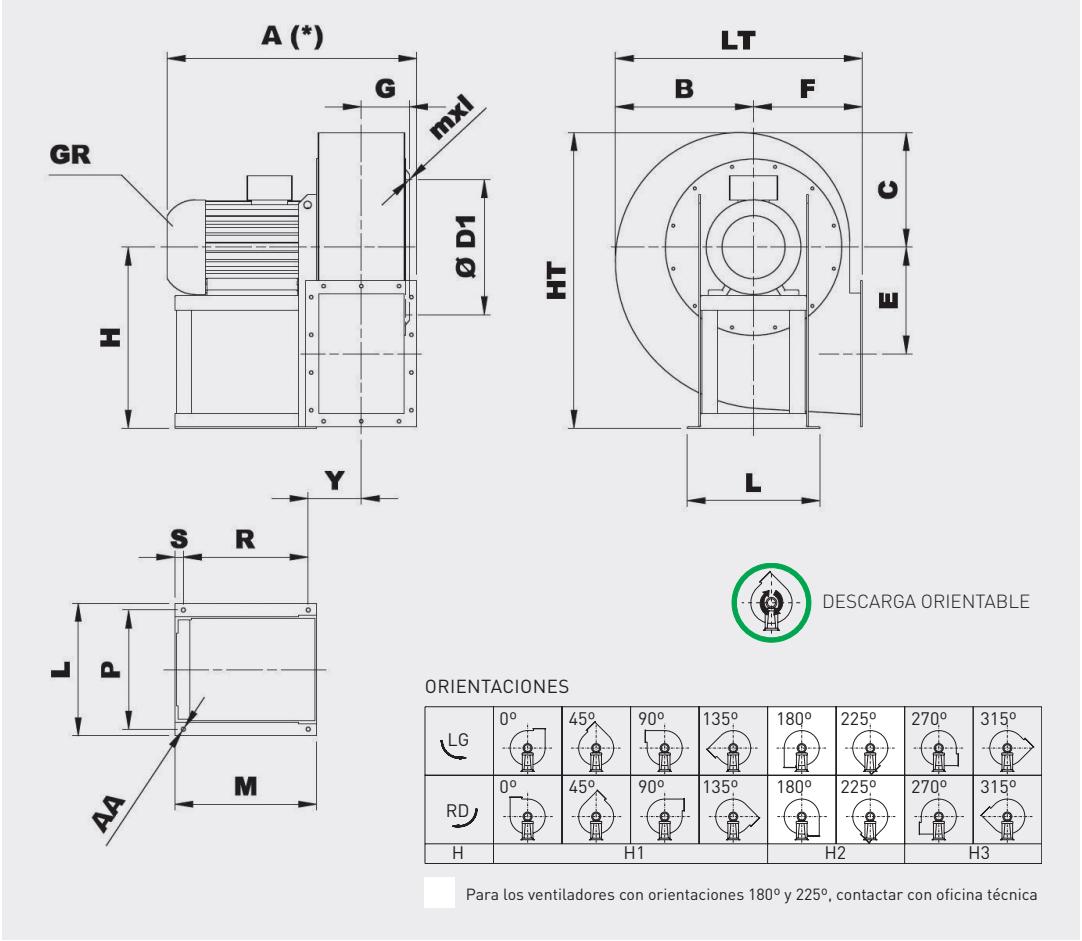
## DATOS ERP

| Modelo | PM | MC | EC | VSD | SR | n [%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|---|---|
| FQ 251 N4A | 0,40 | B | total | No | 1 | 58,0 | 72,9 | 0,381 | 1.036 | 767 | 2810 |
| FQ 281 N4A | 0,55 | B | total | No | 1 | 59,9 | 72,5 | 0,633 | 1.449 | 942 | 2820 |
| FQ 311 N4A | 1,10 | B | total | No | 1 | 66,7 | 76,9 | 1,079 | 2.112 | 1227 | 2840 |
| FQ 351 N4A | 2,20 | B | total | No | 1 | 70,4 | 77,9 | 1,942 | 3.098 | 1589 | 2850 |
| FQ 401 N4A | 4,00 | B | total | No | 1 | 73,9 | 78,7 | 3,464 | 4.305 | 2140 | 2910 |
| FQ 451 N4A | 7,50 | B | total | No | 1 | 75,4 | 77,3 | 6,584 | 6.640 | 2692 | 2890 |
| FQ 501 N4A | 11,00 | B | total | No | 1 | 76,4 | 76,4 | 10,729 | 8.793 | 3358 | 2930 |
| FQ 562 N4A | 15,00 | B | total | No | 1 | 77,8 | 77,6 | 13,289 | 13.355 | 2787 | 2935 |
| FQ 561 N4A | 18,50 | B | total | No | 1 | 78,6 | 77,9 | 19,216 | 12.864 | 4225 | 2935 |
| FQ 632 N4A | 30,00 | B | total | No | 1 | 78,0 | 77,1 | 25,999 | 19.107 | 3823 | 2960 |
| FQ 631 N4A | 37,00 | B | total | No | 1 | 79,9 | 78,6 | 34,255 | 18.029 | 5462 | 2960 |
| FQ 501 N4A | 1,10 | B | total | No | 1 | 71,2 | 80,1 | 1,418 | 4.374 | 831 | 1390 |
| FQ 561 N4A | 2,20 | B | total | No | 1 | 73,4 | 79,9 | 2,369 | 6.258 | 1000 | 1420 |
| FQ 631 N4A | 4,00 | B | total | No | 1 | 75,5 | 79,4 | 4,240 | 8.817 | 1306 | 1425 |
| FQ 712 N4A | 5,50 | B | total | No | 1 | 76,2 | 78,4 | 6,147 | 13.734 | 1228 | 1440 |
| FQ 711 N4A | 7,50 | B | total | No | 1 | 77,8 | 78,9 | 7,778 | 12.682 | 1718 | 1450 |
| FQ 802 N4A | 9,20 | B | total | No | 1 | 76,4 | 76,5 | 9,796 | 19.140 | 1408 | 1460 |
| FQ 801 N4A | 11,00 | B | total | No | 1 | 78,8 | 78,5 | 14,148 | 18.617 | 2157 | 1450 |
| FQ 902 N4A | 18,50 | B | total | No | 1 | 79,2 | 78,6 | 17,820 | 26.987 | 1882 | 1470 |
| FQ 901 N4A | 30,00 | B | total | No | 1 | 81,1 | 80,2 | 25,231 | 26.803 | 2749 | 1470 |
| FQ 1002 N4A | 37,00 | B | total | No | 1 | 80,4 | 79,3 | 30,186 | 38.262 | 2284 | 1475 |
| FQ 1001 N4A | 45,00 | B | total | No | 1 | 81,3 | 79,8 | 42,308 | 35.496 | 3487 | 1475 |
| FQ 1122 N4A | 55,00 | B | total | No | 1 | 82,1 | 80,2 | 58,458 | 52.029 | 3319 | 1475 |
| FQ 1121 N4A | 75,00 | B | total | No | 1 | 83,0 | 80,8 | 73,799 | 50.864 | 4334 | 1475 |
| FQ 1252 N4A | 110,00 | B | total | No | 1 | 82,6 | 80,2 | 95,992 | 76.809 | 3716 | 1480 |
| FQ 1251 N4A | 132,00 | B | total | No | 1 | 84,3 | 81,6 | 128,360 | 70.762 | 5508 | 1485 |
| FQ 801 N4A | 4,00 | B | total | No | 1 | 74,7 | 78,7 | 4,221 | 12.221 | 929 | 960 |
| FQ 901 N4A | 7,50 | B | total | No | 1 | 78,5 | 79,9 | 7,450 | 17.658 | 1193 | 965 |
| FQ 1002 N4A | 11,00 | B | total | No | 1 | 77,9 | 78,5 | 8,904 | 25.206 | 991 | 965 |
| FQ 1001 N4A | 15,00 | B | total | No | 1 | 79,1 | 79,0 | 12,613 | 23.504 | 1529 | 965 |
| FQ 1122 N4A | 18,50 | B | total | No | 1 | 79,8 | 79,3 | 17,442 | 34.452 | 1455 | 970 |
| FQ 1121 N4A | 22,00 | B | total | No | 1 | 81,7 | 80,9 | 21,881 | 33.738 | 1907 | 970 |
| FQ 1252 N4A | 30,00 | B | total | No | 1 | 81,2 | 80,1 | 28,214 | 50.776 | 1624 | 975 |
| FQ 1251 N4A | 37,00 | B | total | No | 1 | 83,2 | 81,8 | 38,172 | 47.016 | 2432 | 980 |
| FQ 1402 N4A | 45,00 | B | total | No | 1 | 82,8 | 81,1 | 48,918 | 65.621 | 2223 | 980 |
| FQ 1401 N4A | 75,00 | B | total | No | 1 | 84,3 | 82,3 | 66,700 | 66.387 | 3049 | 985 |

**PM** Potencia del motor
**MC** Categoría de medición
**EC** Categoría de eficiencia
**VSD** Mando de regulación de velocidad: debe suministrarse con el ventilador
**SR** Relación específica
**η [%]** Eficiencia
**N** Grado de eficiencia
**[kW]** Potencia absorbida
**[m³/h]** Caudal
**[Pa]** Presión total
**[RPM]** Velocidad

## DIMENSIONES (mm)

Modelos desde 251 hasta 501

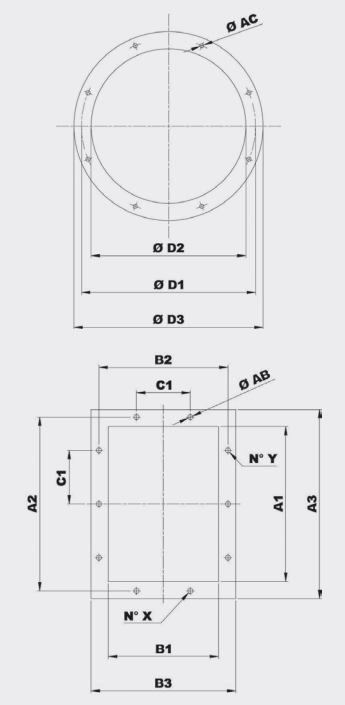



| Modelo | | | | | | | | | | | | | | | Base | | | | | | Ejecución 4B[1] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Motor GR | A* | B | C | ØD1 | E | F | G | H | | | HT | mxl | Y | LT | L | P | M | R | S | ØAA | A | Y | R | M |
| | | | | | | | | | H1 | H2 | H3 | | | | | | | | | | | | | | |
| FQ 251/2 N4A | 71A2 | 400 | 245 | 210 | 241 | 176 | 195 | 75 | 315 | 195 | 315 | 525 | M6x16 | 121 | 440 | 225 | 203 | 215 | 156 | 14 | 10 | 424 | 121 | 156 | 215 |
| FQ 281/2 N4A | 71B2 | 420 | 270 | 235 | 265 | 202 | 200 | 84 | 375 | 200 | 375 | 610 | M6x16 | 130 | 470 | 225 | 203 | 215 | 156 | 14 | 10 | 460 | 130 | 156 | 215 |
| FQ 311/2 N4A | 80B2 | 450 | 300 | 260 | 292 | 230 | 225 | 94 | 400 | 225 | 400 | 660 | M8x20 | 140 | 525 | 225 | 203 | 225 | 166 | 14 | 10 | 494 | 140 | 166 | 225 |
| FQ 351/2 N4A | 90L2 | 530 | 340 | 295 | 332 | 253 | 255 | 105 | 450 | 255 | 450 | 745 | M8x20 | 166 | 595 | 260 | 234 | 260 | 183 | 17 | 10 | 575 | 166 | 183 | 260 |
| FQ 401/2 N4A | 112M2 | 630 | 375 | 330 | 336 | 286 | 285 | 130 | 500 | 285 | 500 | 830 | M8x20 | 141 | 660 | 324 | 289 | 310 | 264 | 23 | 12 | 675 | 141 | 264 | 310 |
| FQ 451/2 N4A | 132SB2 | 670 | 425 | 370 | 405 | 321 | 320 | 143 | 560 | 320 | 560 | 930 | M8x20 | 155 | 745 | 372 | 337 | 360 | 314 | 23 | 12 | 729 | 155 | 314 | 360 |
| FQ 501/2 N4A | 160MR2 | 830 | 470 | 410 | 448 | 354 | 360 | 159 | 600 | 360 | 600 | 1010 | M8x20 | 176 | 830 | 440 | 395 | 470 | 414 | 28 | 14 | 866 | 176 | 414 | 470 |

[1] Con rodete de refrigeración
* Según tamaño motor

## DIMENSIONES (mm)

Modelos desde 251 hasta 501




Brida aspiración

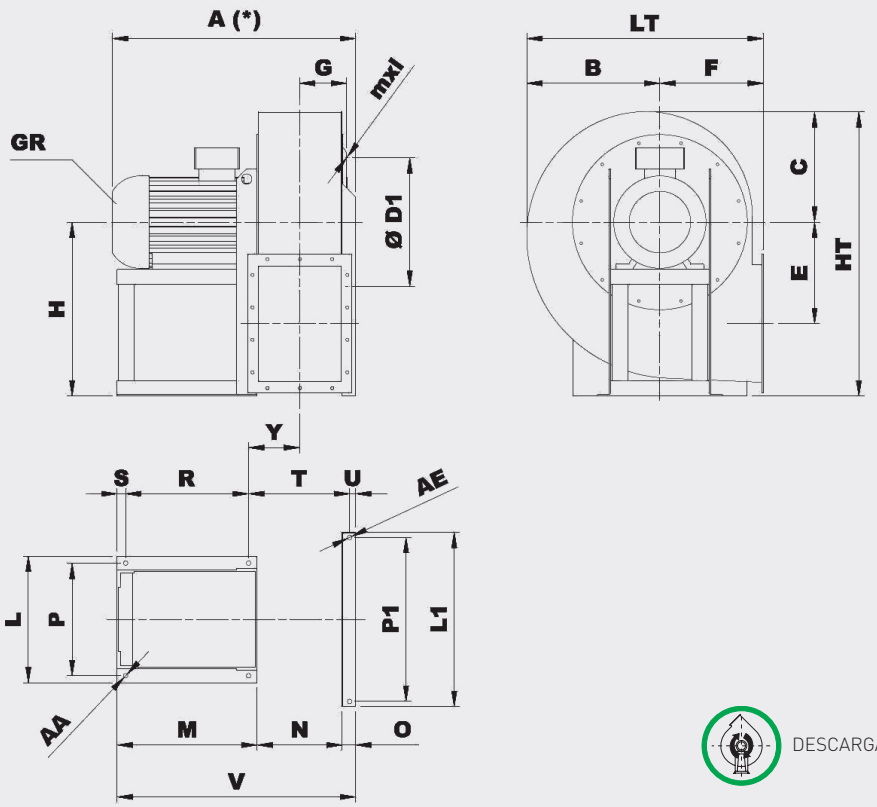
| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 251 | 200 | 241 | 204 | 274 | 8 | 8 |
| 281 | 224 | 265 | 228 | 298 | 8 | 8 |
| 311 | 250 | 292 | 254 | 324 | 10 | 8 |
| 351 | 280 | 332 | 285 | 365 | 10 | 8 |
| 401 | 315 | 366 | 320 | 400 | 10 | 8 |
| 451 | 355 | 405 | 360 | 440 | 10 | 8 |
| 501 | 400 | 448 | 405 | 485 | 10 | 12 |

Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 251 | 200x140 | 205 | 146 | 241 | 182 | 275 | 216 | 112 | 12 | 2+2 | 2+2 |
| 281 | 224x160 | 229 | 164 | 265 | 200 | 299 | 234 | 112 | 12 | 2+2 | 2+2 |
| 311 | 250x180 | 256 | 183 | 292 | 219 | 326 | 253 | 112 | 12 | 2+2 | 3+3 |
| 351 | 280x200 | 288 | 205 | 332 | 249 | 368 | 285 | 125 | 12 | 2+2 | 3+3 |
| 401 | 315x224 | 322 | 229 | 366 | 273 | 402 | 309 | 125 | 12 | 2+2 | 3+3 |
| 451 | 355x250 | 361 | 256 | 405 | 300 | 441 | 336 | 125 | 12 | 2+2 | 3+3 |
| 501 | 400x280 | 404 | 288 | 448 | 332 | 484 | 368 | 125 | 12 | 3+3 | 4+4 |

## DIMENSIONES (mm)

Modelos desde 561 hasta 631




DESCARGA ORIENTABLE

ORIENTACIONES

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LG | 0º | 45º | 90º | 135º | 180º | 225º | 270º | 315º |
| RD | 0º | 45º | 90º | 135º | 180º | 225º | 270º | 315º |
| H | H1 | | | | H2 | | H3 | |

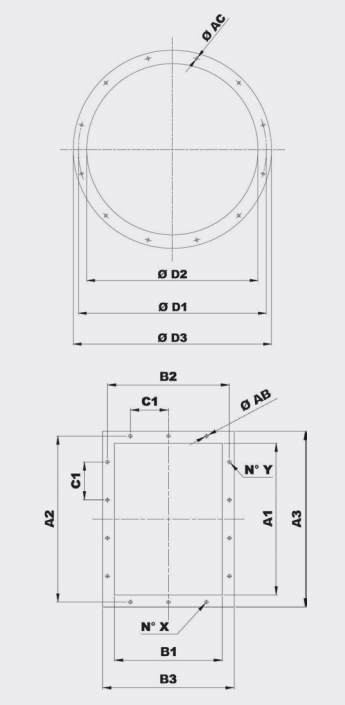
Para los ventiladores con orientaciones 180º y 225º, contactar con oficina técnica

| Modelo | | | | | | | | | | | | | | | Base | | | | | | | | | | | | Ejecución 4B[1] | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Motor GR | A* | B | C | ØD1 | E | F | G | H | | | HT | mxl | Y | LT | L | P | L1 | P1 | M | N | O | R | S | T | U | V | ØAA | ØAE | A | Y | Q | R | M | T | V |
| | | | | | | | | | H1 | H2 | H3 | | | | | | | | | | | | | | | | | | | | | | | | |
| FQ 561/2 N4A | 160L2 | 880 | 550 | 451 | 497 | 391 | 400 | 181 | 670 | 400 | 670 | 1121 | M8x20 | 193 | 950 | 440 | 395 | 672 | 632 | 470 | 329 | 52 | 414 | 28 | 386 | 23 | 851 | 14 | 17 | 935 | 193 | – | 414 | 470 | 386 | 851 |
| FQ 561/4 N4A | 100LA4 | 705 | 550 | 451 | 497 | 391 | 400 | 181 | 670 | 400 | 670 | 1121 | M8x20 | 188 | 950 | 324 | 289 | 672 | 632 | 295 | 329 | 52 | 249 | 23 | 381 | 23 | 676 | 12 | 17 | 723 | 188 | – | 249 | 295 | 381 | 676 |
| FQ 562/2 N4A | 160M2 | 880 | 550 | 451 | 497 | 391 | 400 | 181 | 670 | 400 | 670 | 1121 | M8x20 | 193 | 950 | 440 | 395 | 672 | 632 | 470 | 329 | 52 | 414 | 28 | 386 | 23 | 851 | 14 | 17 | 935 | 193 | – | 414 | 470 | 386 | 851 |
| FQ 631/2 N4A | 200L2 | 1075 | 615 | 515 | 551 | 441 | 450 | 200 | 750 | 450 | 750 | 1265 | M8x20 | 266 | 1065 | 568 | 506 | 762 | 702 | 500 | 369 | 52 | 381 | 39 | 478 | 23 | 921 | 19 | 17 | 1130 | 321 | 152 | 381 | 555 | 533 | 976 |
| FQ 631/4 N4A | 112M4 | 775 | 615 | 515 | 551 | 441 | 450 | 200 | 750 | 450 | 750 | 1265 | M8x20 | 209 | 1065 | 324 | 289 | 762 | 702 | 310 | 369 | 52 | 264 | 23 | 421 | 23 | 731 | 12 | 19 | 820 | 209 | – | 264 | 310 | 421 | 731 |
| FQ 632/2 N4A | 200LR2 | 1075 | 615 | 515 | 551 | 441 | 450 | 200 | 750 | 450 | 750 | 1265 | M8x20 | 266 | 1065 | 568 | 506 | 762 | 702 | 500 | 369 | 52 | 381 | 39 | 478 | 23 | 921 | 19 | 17 | 1130 | 321 | 152 | 381 | 555 | 533 | 976 |

[1] Con rodete de refrigeración
* Según tamaño motor

## DIMENSIONES (mm)

Modelos desde 561 hasta 631




Brida aspiración

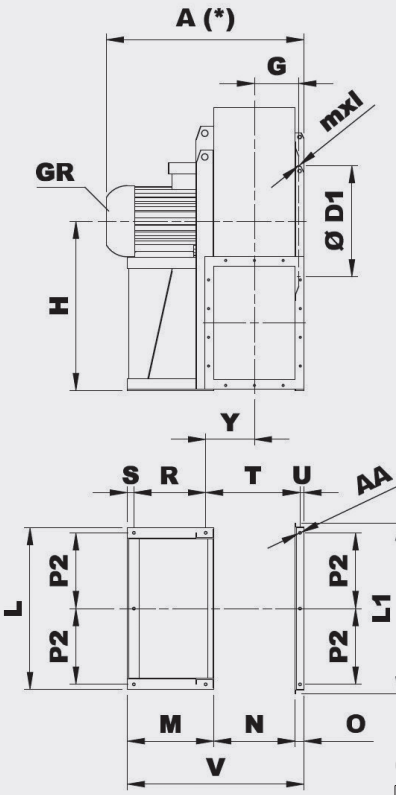
| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 561 | 450 | 497 | 455 | 535 | 10 | 12 |
| 631 | 500 | 551 | 505 | 585 | 10 | 12 |

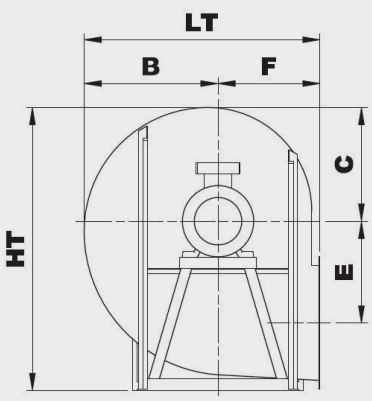
Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 561 | 450x315 | 453 | 322 | 497 | 366 | 533 | 402 | 125 | 12 | 3+3 | 4+4 |
| 631 | 500x355 | 507 | 361 | 551 | 405 | 587 | 441 | 125 | 12 | 3+3 | 4+4 |

## DIMENSIONES (mm)

Modelos desde 711 hasta 1401

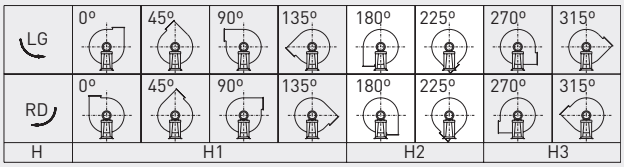





DESCARGA NO ORIENTABLE

ORIENTACIONES




Para los ventiladores con orientaciones 180º y 225º, contactar con oficina técnica

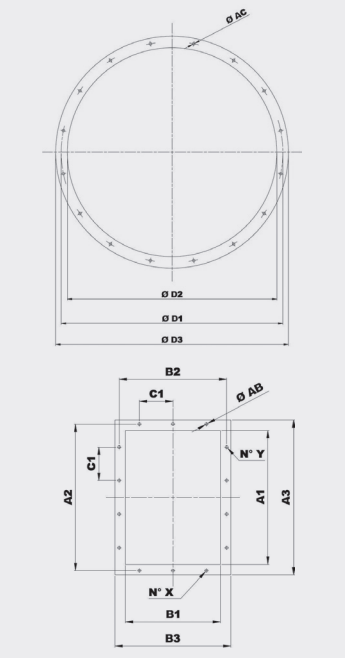
| Modelo | | | | | | | | | | | | | | | Base | | | | | | | | | | | Ejecución 4B[1] | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Motor GR | A* | B | C | ØD1 | E | F | G | H | | | HT | mxl | Y | LT | L | L1 | M | N | O | P2 | R | S | T | U | V | ØAA | A | Y | R | M | T | V |
| | | | | | | | | | H1 | H2 | H3 | | | | | | | | | | | | | | | | | | | | | | |
| FQ 711/4 N4A | 132MA4 | 880 | 690 | 565 | 629 | 500 | 500 | 222 | 670 | 500 | 850 | 1415 | M8x20 | 262 | 1190 | 836 | 896 | 362 | 404 | 60 | 386 | 263 | 39 | 497 | 27 | 826 | 19 | 935 | 317 | 263 | 362 | 497 | 826 |
| FQ 712/4 N4A | 132SA4 | 880 | 690 | 565 | 629 | 500 | 500 | 222 | 670 | 500 | 850 | 1415 | M8x20 | 262 | 1190 | 836 | 896 | 362 | 404 | 60 | 386 | 263 | 39 | 497 | 27 | 826 | 19 | 935 | 262 | 263 | 362 | 497 | 826 |
| FQ 801/4 N4A | 160M4 | 992 | 770 | 630 | 698 | 560 | 560 | 247 | 750 | 560 | 950 | 1580 | M8x20 | 287 | 1330 | 926 | 986 | 471 | 453 | 60 | 431 | 372 | 39 | 546 | 27 | 984 | 19 | 1065 | 287 | 372 | 471 | 546 | 984 |
| FQ 801/6 N4A | 132MA6 | 940 | 770 | 630 | 698 | 560 | 560 | 247 | 750 | 560 | 950 | 1580 | M8x20 | 287 | 1330 | 926 | 986 | 362 | 453 | 60 | 431 | 263 | 39 | 546 | 27 | 875 | 19 | 995 | 287 | 263 | 362 | 546 | 875 |
| FQ 802/4 N4A | 132MB4 | 940 | 770 | 630 | 698 | 560 | 560 | 247 | 750 | 560 | 950 | 1580 | M8x20 | 287 | 1330 | 926 | 986 | 362 | 453 | 60 | 431 | 263 | 39 | 546 | 27 | 875 | 19 | 995 | 287 | 263 | 362 | 546 | 875 |
| FQ 901/4 N4A | 200L4 | 1230 | 870 | 705 | 775 | 630 | 630 | 278 | 850 | 630 | 1060 | 1765 | M10x30 | 314 | 1500 | 1026 | 1086 | 500 | 507 | 60 | 481 | 401 | 39 | 600 | 27 | 1067 | 19 | 1289 | 314 | 456 | 555 | 600 | 1122 |
| FQ 901/6 N4A | 160M6 | 1070 | 870 | 705 | 775 | 630 | 630 | 278 | 850 | 630 | 1060 | 1765 | M10x30 | 314 | 1500 | 1026 | 1086 | 471 | 507 | 60 | 481 | 372 | 39 | 600 | 27 | 1038 | 19 | 1104 | 314 | 372 | 471 | 600 | 1038 |
| FQ 902/4 N4A | 180M4 | 1129 | 870 | 705 | 775 | 630 | 630 | 278 | 850 | 630 | 1060 | 1765 | M10x30 | 314 | 1500 | 1026 | 1086 | 540 | 507 | 60 | 481 | 441 | 39 | 600 | 27 | 1107 | 19 | 1184 | 369 | 441 | 540 | 655 | 1107 |
| FQ 1001/4 N4A | 225M4 | 1320 | 965 | 795 | 861 | 710 | 710 | 310 | 950 | 710 | 1180 | 1975 | M10x30 | 340 | 1675 | 1128 | 1188 | 540 | 569 | 60 | 528 | 440 | 45 | 657 | 27 | 1169 | 19 | 1404 | 340 | 520 | 620 | 657 | 1249 |
| FQ 1001/6 N4A | 180L6 | 1230 | 965 | 795 | 861 | 710 | 710 | 310 | 950 | 710 | 1180 | 1975 | M10x30 | 340 | 1675 | 1128 | 1188 | 541 | 569 | 60 | 528 | 441 | 45 | 657 | 27 | 1170 | 19 | – | – | – | – | – | – |
| FQ 1002/4 N4A | 225S4 | 1320 | 965 | 795 | 861 | 710 | 710 | 310 | 950 | 710 | 1180 | 1975 | M10x30 | 340 | 1675 | 1128 | 1188 | 540 | 569 | 60 | 528 | 440 | 45 | 657 | 27 | 1169 | 19 | 1404 | 340 | 520 | 620 | 657 | 1249 |
| FQ 1002/6 N4A | 160L6 | 1190 | 965 | 795 | 861 | 710 | 710 | 310 | 950 | 710 | 1180 | 1975 | M10x30 | 340 | 1675 | 1128 | 1188 | 472 | 569 | 60 | 528 | 372 | 45 | 657 | 27 | 1101 | 19 | – | – | – | – | – | – |
| FQ 1121/4 N4A | 280S4 | 1620 | 1085 | 895 | 958 | 800 | 800 | 344 | 1060 | 800 | 1320 | 2215 | M10x30 | 400 | 1885 | 1268 | 1348 | 690 | 638 | 80 | 589 | 565 | 45 | 763 | 35 | 1408 | 24 | 1653 | 399 | 635 | 760 | 763 | 1478 |
| FQ 1121/6 N4A | 200L6 | 1400 | 1085 | 895 | 958 | 800 | 800 | 344 | 1060 | 800 | 1320 | 2215 | M10x30 | 400 | 1885 | 1268 | 1348 | 500 | 638 | 80 | 589 | 375 | 45 | 763 | 35 | 1218 | 24 | 1457 | 399 | 447 | 572 | 763 | 1290 |
| FQ 1122/4 N4A | 250M4 | 1570 | 1085 | 895 | 958 | 800 | 800 | 344 | 1060 | 800 | 1320 | 2215 | M10x30 | 400 | 1885 | 1268 | 1348 | 600 | 638 | 80 | 589 | 475 | 45 | 763 | 35 | 1318 | 24 | 1573 | 399 | 540 | 665 | 763 | 1383 |
| FQ 1122/6 N4A | 200LR6 | 1400 | 1085 | 895 | 958 | 800 | 800 | 344 | 1060 | 800 | 1320 | 2215 | M10x30 | 400 | 1885 | 1268 | 1348 | 500 | 638 | 80 | 589 | 375 | 45 | 763 | 35 | 1218 | 24 | 1457 | 399 | 447 | 572 | 763 | 1290 |
| FQ 1251/4 N4A | 315M4 | 1700 | 1215 | 1005 | 1067 | 900 | 900 | 388 | 1180 | 900 | 1500 | 2505 | M10x30 | 438 | 2115 | 1400 | 1480 | 816 | 715 | 80 | 655 | 691 | 45 | 840 | 35 | 1611 | 24 | 1844 | 438 | 754 | 879 | 840 | 1674 |
| FQ 1251/6 N4A | 250M6 | 1550 | 1215 | 1005 | 1067 | 900 | 900 | 388 | 1180 | 900 | 1500 | 2505 | M10x30 | 438 | 2115 | 1400 | 1480 | 600 | 715 | 80 | 655 | 475 | 45 | 840 | 35 | 1395 | 24 | – | – | – | – | – | – |

[1] Con rodete de refrigeración

* Según tamaño motor

## DIMENSIONES (mm)

Modelos desde 711 hasta 1401




Brida aspiración

| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 711 | 560 | 629 | 566 | 666 | 10 | 12 |
| 801 | 630 | 698 | 636 | 736 | 10 | 12 |
| 901 | 710 | 775 | 716 | 816 | 12 | 16 |
| 1001 | 800 | 861 | 806 | 906 | 12 | 16 |
| 1121 | 900 | 958 | 906 | 1006 | 12 | 16 |
| 1251 | 1000 | 1067 | 1007 | 1107 | 12 | 24 |
| 1401 | 1120 | 1200 | 1128 | 1248 | 12 | 24 |

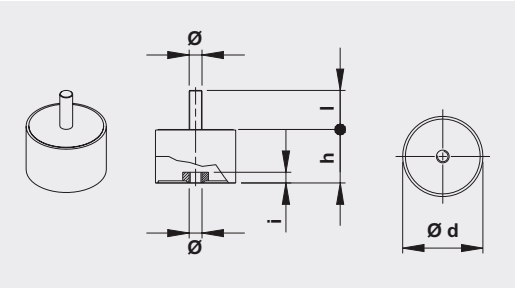
Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 711 | 560x400 | 569 | 404 | 629 | 464 | 669 | 504 | 160 | 14 | 3+3 | 4+4 |
| 801 | 630x450 | 638 | 453 | 698 | 513 | 738 | 553 | 160 | 14 | 3+3 | 4+4 |
| 901 | 710x500 | 715 | 507 | 775 | 567 | 815 | 607 | 160 | 14 | 3+3 | 5+5 |
| 1001 | 800x560 | 801 | 569 | 871 | 639 | 921 | 689 | 200 | 14 | 3+3 | 4+4 |
| 1121 | 900x630 | 898 | 638 | 968 | 708 | 1018 | 758 | 200 | 14 | 4+4 | 5+5 |
| 1251 | 1000x710 | 1007 | 715 | 1077 | 785 | 1127 | 835 | 200 | 14 | 4+4 | 5+5 |
| 1401 | 1120x800 | 1130 | 801 | 1210 | 881 | 1270 | 941 | 200 | 18 | 4+4 | 6+6 |

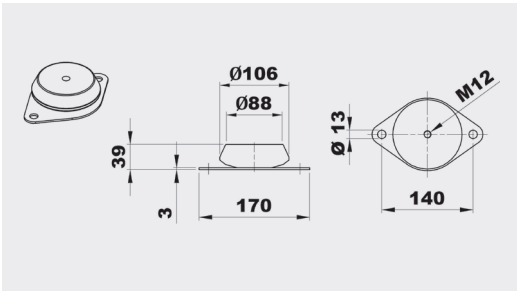
## AMORTIGUADORES

Amortiguadores recomendados

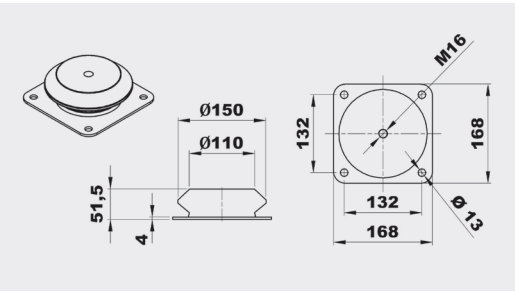
| Ventilador | Ejecución 4 |
|---|---|
| 251/2 | 4 x AM 20 - 20x20 |
| 281/2 | 4 x AM 20 - 20x20 |
| 311/2 | 4 x AM 25 - 25x20 |
| 351/2 | 4 x AM 25 - 25x20 |
| 401/2 | 4 x AM 30 - 30x30 |
| 451/2 | 4 x AM 30 - 30x30 |
| 501/2 | 4 x AM 40 - 40x30 |
| 561/2 | 4 x AM 50 - 50x40 |
| 631/2 | 4 x AM 75 - 75x50 |
| 711/2 | 4 x AM 75 - 75x50 |
| 801/2 | 4 x AM 75 -75x50 |
| 901/2 | 4 x AM 75 - 75x50 |
| 1001/2 | 6 x AM 75 - 75x50 |
| 1121/2 | 6 x AZ 39 - 140x39 |
| 1251/2 | 6 x AZ 39 - 140x39 |
| 1401/2 | 6 x AZ 51 - 132x51 |




| Tipo | Carga para 4 soportes (kg) | d | h | Ø | l | Peso (kg) |
|---|---|---|---|---|---|---|
| AM 20 | 11÷40 | 20 | 20 | M6 | 15 | 0,02 |
| AM 25 | 41÷80 | 25 | 20 | M6 | 18 | 0,03 |
| AM 30 | 81÷140 | 30 | 30 | M8 | 20 | 0,05 |
| AM 40 | 141÷224 | 40 | 30 | M8 | 23 | 0,10 |
| AM 50 | 225÷315 | 50 | 40 | M10 | 28 | 0,20 |
| AM 75 | 316÷630 | 75 | 50 | M12 | 37 | 0,50 |

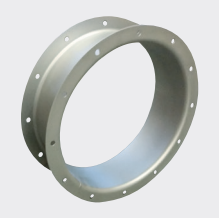



| Tipo | Carga para 4 soportes (kg) | Peso (kg) |
|---|---|---|
| AZ 39 | 631÷1250 | 0,7 |

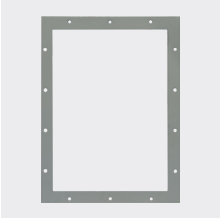



| Tipo | Carga para 4 soportes (kg) | Peso (kg) |
|---|---|---|
| AZ 51 | 1251÷2500 | 1,8 |

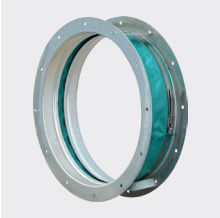
## ACCESORIOS



**CA (CFH1) - CFH2 - CFH3**
Contrabrida - Brida plana circular.



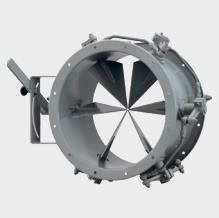
**CP**
Brida plana rectangular.



**GA**
Junta flexible aspiración.



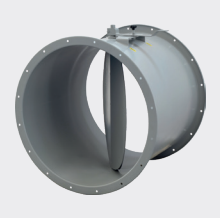
**GP**
Junta flexible descarga.



**DP**
Regulador de caudal de aspiración.



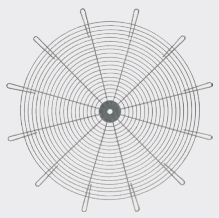
**SAD**
Compuerta de regulación de caudal de descarga.



**SF**
Vávula mariposa.



**DF**
Filtro en la aspiración.



**RC**
Rejilla de protección para la aspiración.



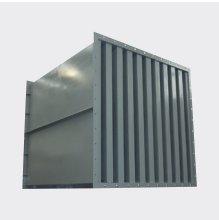
**AM/AZ**
Soportes antivibratorios.



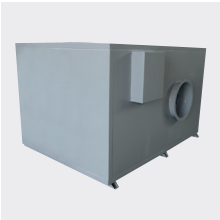
**SCSO**
Silenciador cilíndrico.



**SCCO**
Silenciador cilíndrico con bulbo.



**SASS**
Silenciador rectangular.



**CI**
Cabina de insonorización.

Ver información completa en página **772**.

# FQ

## VENTILADORES CENTRÍFUGOS DE MEDIA PRESIÓN

*TRANSMISIÓN*

ErP OK

Ventilador centrífugo con accionamiento por poleas y correas y simple aspiración. Fabricados en chapa de acero protegida contra la corrosión mediante tratamiento por cataforesis + pintura poliuretana. Temperaturas del aire a transportar -20ºC/+100ºC en continuo.



APLICACIONES

**Aire a transportar**
Ligeramente polvoriento

**Cantidad de polvo (mg/m³)**
<150



Rodete de álabes curvados hacia atrás

### Sistemas de montaje

- SISTEMA 1: eje libre, para acoplamiento mediante poleas y correas.
- SISTEMA 9: incluye motor, poleas, correas y protector de correas. Motor montado en el lateral del pie soporte rodamientos.
- SISTEMA 12: incluye motor, poleas, correas y protector de correas. Motor montado sobre la bancada general.

### Motores

De 2, 4 o 6 polos, de alta eficiencia IE 3* (las r.p.m. de cada motor se adaptarán al cálculo de cada transmisión), tensión de alimentación trifásica 230/400V 50Hz hasta tamaño motor 112 y 400/690V 50Hz para motores de mayor dimensión. Protección IP55, Clase F.

* Entre 75 y 200kW, los motores suministrados serán IE4.

### Bajo pedido

- Fabricación en diferentes materiales constructivos.
- Motores de 2 velocidades.
- Versiones de 60 Hz.
- Pintura en diferentes RAL.
- Versión para alta temperatura: hasta 300ºC (versiones B: con rodete de refrigeración).
- Trampilla de inspección, purga de drenaje, distintos tipos de estanqueidad a nivel de voluta y de paso de eje.
- Ventiladores estancos.
- Calorifugado.

### Versiones ATEX

Bajo pedido, versiones antiexplosivas según la Directiva ATEX para modelos trifásicos: Para trabajar a temperaturas de -20ºC a +60ºC, presión ambiente (absoluta) de 0,8 bar hasta 1,1 bar, según EN 14986.

- Gas:
  - Ex 2G IIB T2-T3
  - Ex 2G IIB+H2 T2-T3
  - Ex 3G IIB T2-T3
  - Ex 3G IIB+H2 T2-T3
- Polvo no conductivo:
  - Ex 2D IIIB T195°C-T295°C
  - Ex 3D IIIB T195°C-T295°C
- Polvo conductivo (con motor IP65 IIIC):
  - Ex 2D IIIC T195°C-T295°C
  - Ex 3D IIIC T195°C-T295°C

## CARACTERÍSTICAS TÉCNICAS

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación.

| Modelo | Caudal máximo ($m^3/h$) | Potencia motor máxima (kW) | Peso (kg)[1] | Momento de inercia ($kg \cdot m^2$)[2] |
|---|---|---|---|---|
| FQ 251 N1A | 2.670 | 3,0 | 24 | 0,02 |
| FQ 281 N1A | 3.750 | 4,0 | 34 | 0,03 |
| FQ 311 N1A | 4.800 | 5,5 | 41 | 0,06 |
| FQ 351 N1A | 7.790 | 9,2 | 69 | 0,10 |
| FQ 401 N1A | 10.040 | 15,0 | 83 | 0,19 |
| FQ 451 N1A | 14.780 | 22,0 | 98 | 0,30 |
| FQ 501 N1A | 17.280 | 30,0 | 140 | 0,55 |
| FQ 561 N1A | 21.600 | 37,0 | 170 | 0,90 |
| FQ 631 N1A | 27.670 | 45,0 | 210 | 1,40 |
| FQ 711 N1A | 35.080 | 75,0 | 282 | 2,80 |
| FQ 801 N1A | 44.200 | 90,0 | 336 | 4,80 |
| FQ 901 N1A | 54.450 | 110,0 | 405 | 9,00 |
| FQ 1001 N1A | 69.120 | 132,0 | 521 | 18,80 |
| FQ 1121 N1A | 89.100 | 160,0 | 848 | 22,50 |
| FQ 1251 N1A | 109.670 | 200,0 | 1.072 | 40,00 |
| FQ 1401 N1A | 135.000 | 250,0 | 1.498 | 67,50 |
| FQ 1601 N1A | 176.790 | 315,0 | 1.940 | 119,00 |
| FQ 1801 N1A | 229.820 | 400,0 | 2.792 | 200,00 |
| FQ 2001 N1A | 280.000 | 400,0 | 3.426 | 312,00 |

[1] Para ejecución 1 y orientación LG270 o RD270
[2] Momento de inercia del rodete

SOPORTES SISTEMA 1

| **Modelo** | **251** | **281-311** | **351** | **401-451** | **501** | **561** | **631** |
|---|---|---|---|---|---|---|---|
| Soporte tipo | ST 47 AL19 | ST 62 AL24 | ST 80 AL28 | ST 90 AL38 | ST 100 AL42 | ST 110 AL48 | ST 110 AL48 |

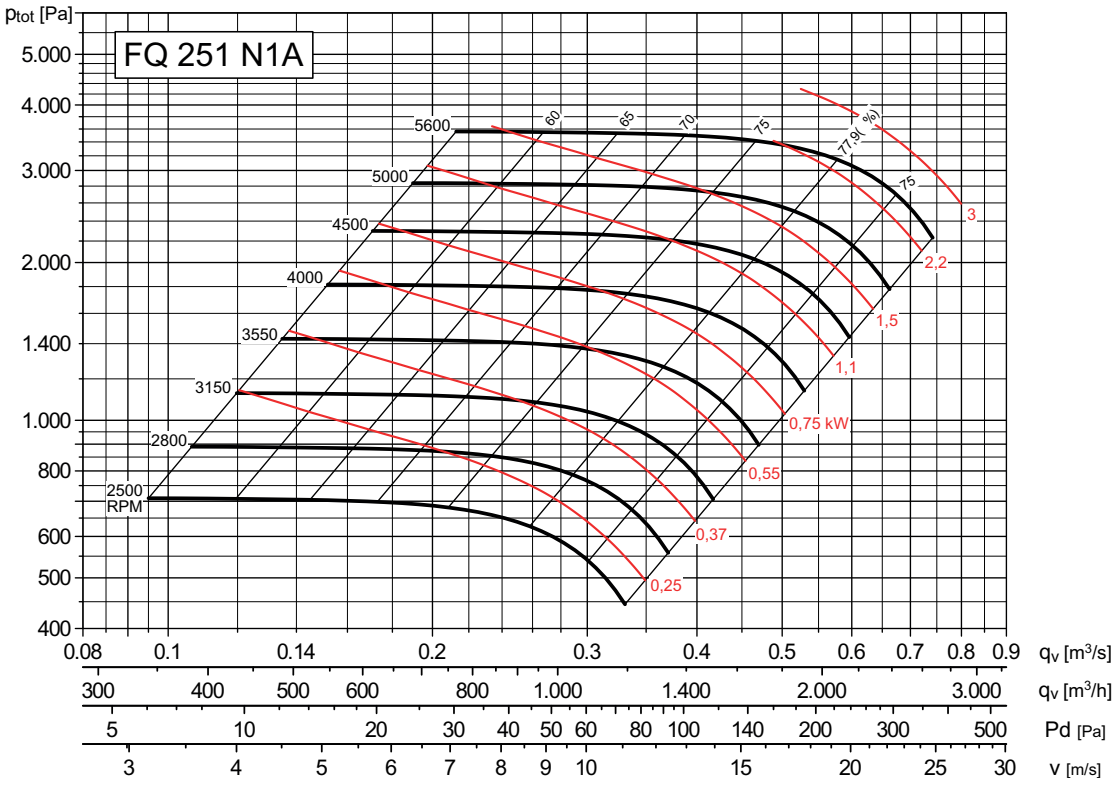
| **Modelo** | **711** | **801-901** | **1001** | **1121-1251** | **1401** | **1601** | **1801-2001** |
|---|---|---|---|---|---|---|---|
| Soporte tipo | ST 120 BL48 | ST 130 BL55 | SN 516 BL 65 | SN 518 BL 75 | SN 520 B/BL 80 | SN 522 B/BL 90 | SN 524 B/BL 100 |

MOTORES SISTEMA 9

| **Modelo** | **251** | **281-311** | **351-451** | **501-631** | **711-901** | **1001-2001** |
|---|---|---|---|---|---|---|
| Tamaño motor | ≤ 90 L2 | ≤ 112 M2 | ≤ 132 MB2 | ≤ 160 L2-4 | ≤ 180 L4 | ≤ 200 L4-6 |

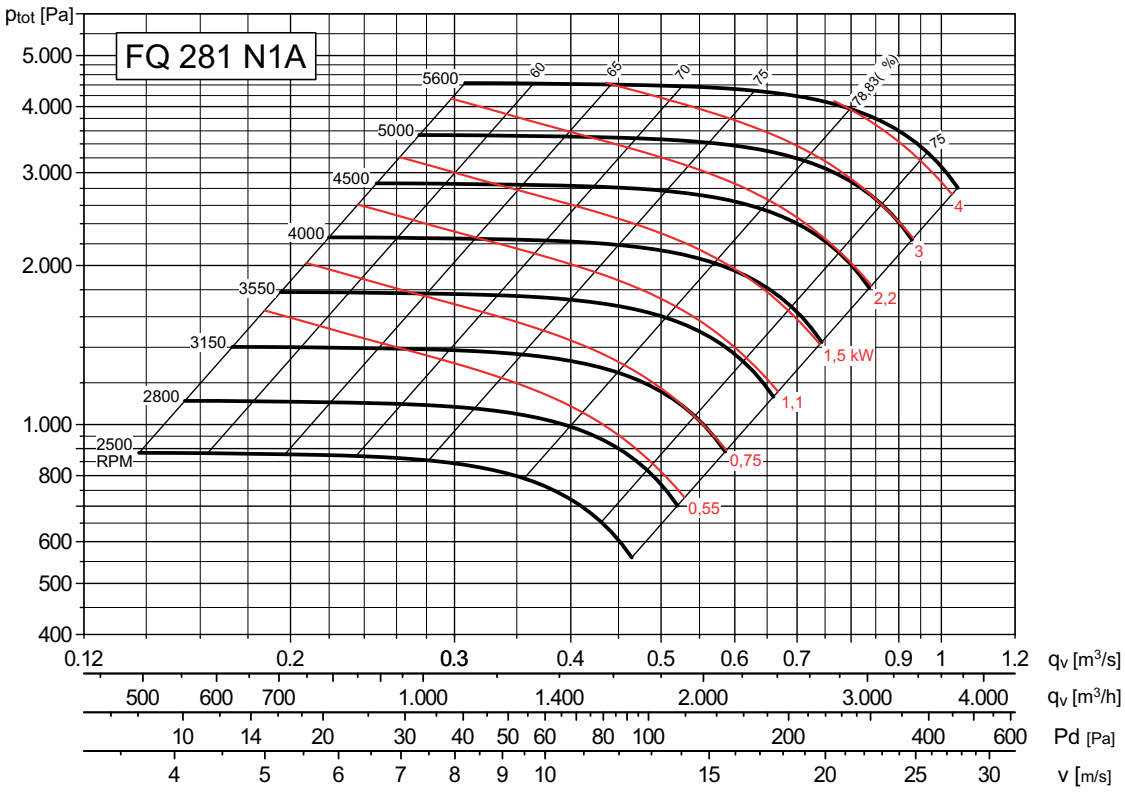
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 5000 rpm
101 ÷ 220°C = 4500 rpm
201 ÷ 300°C = 4000 rpm

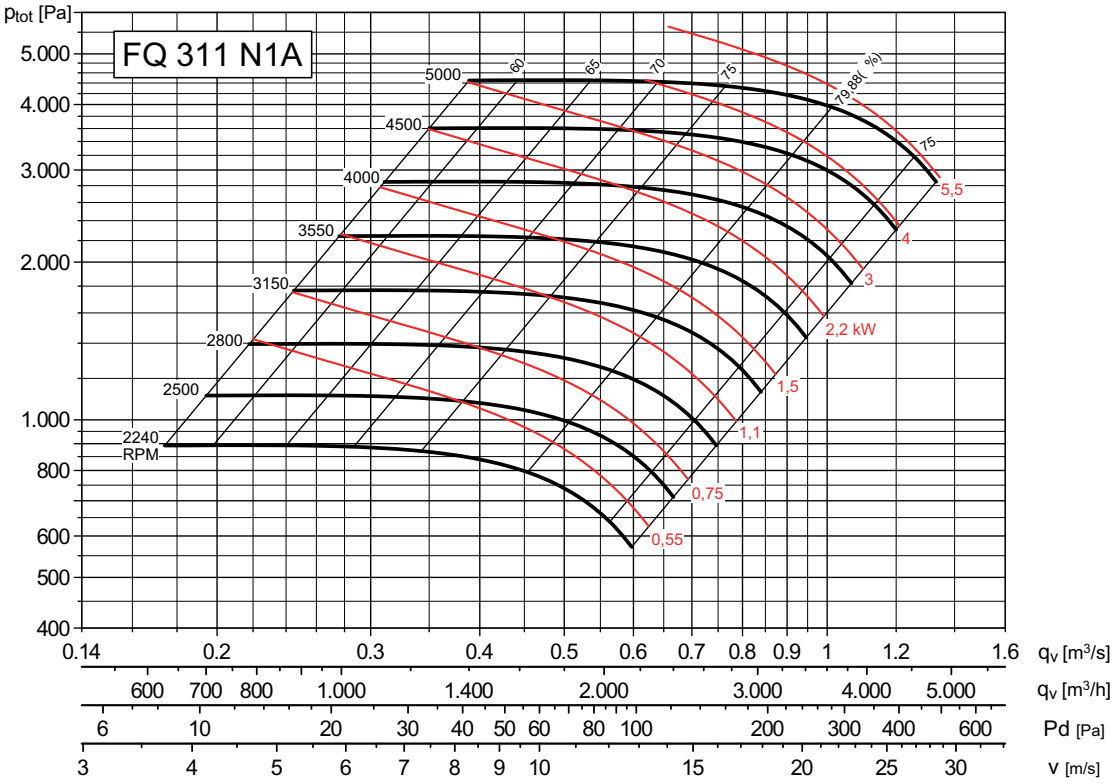



MAX. RPM

≤ 100°C = 4750 rpm
101 ÷ 220°C = 4250 rpm
201 ÷ 300°C = 3750 rpm

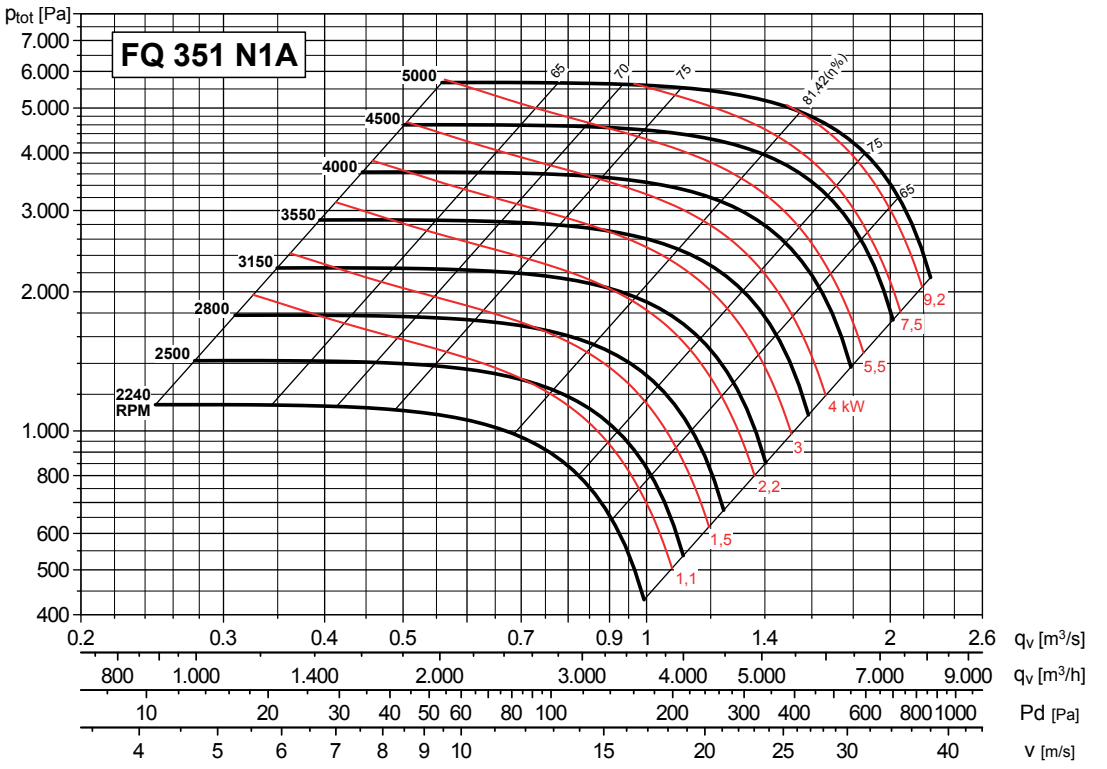
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 4500 rpm
101 ÷ 220°C = 4000 rpm
201 ÷ 300°C = 3550 rpm

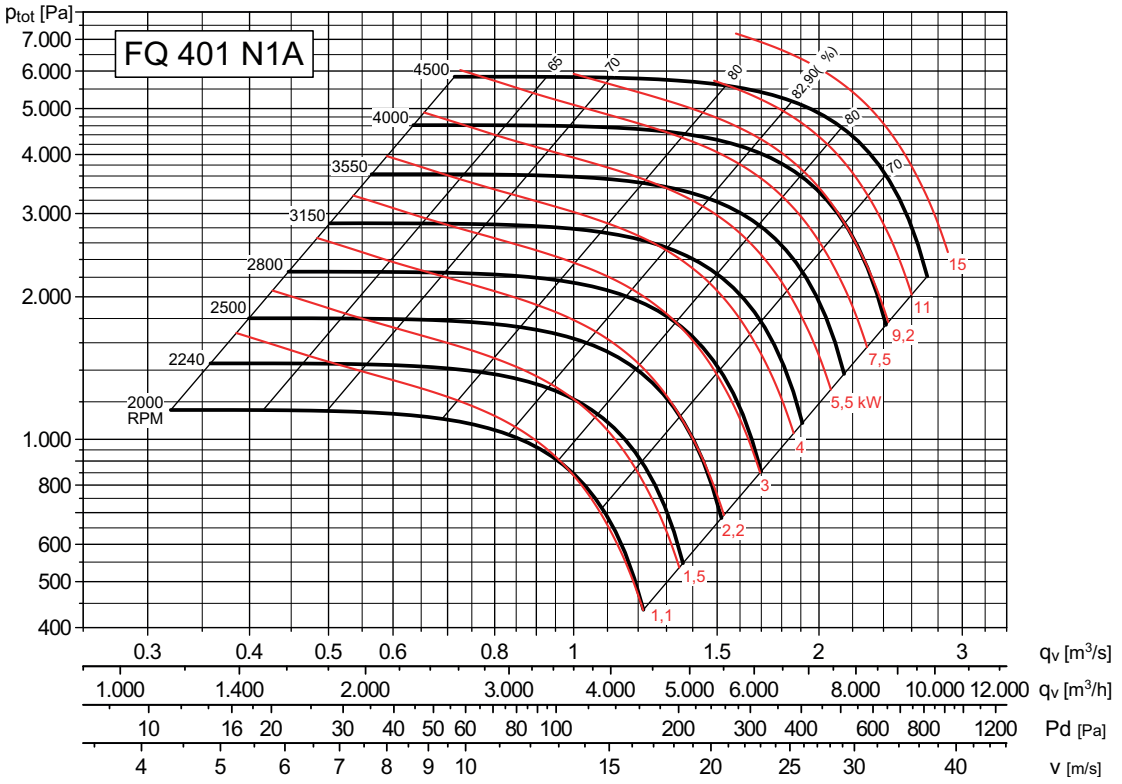



MAX. RPM

≤ 100°C = 4250 rpm
101 ÷ 220°C = 3750 rpm
201 ÷ 300°C = 3350 rpm

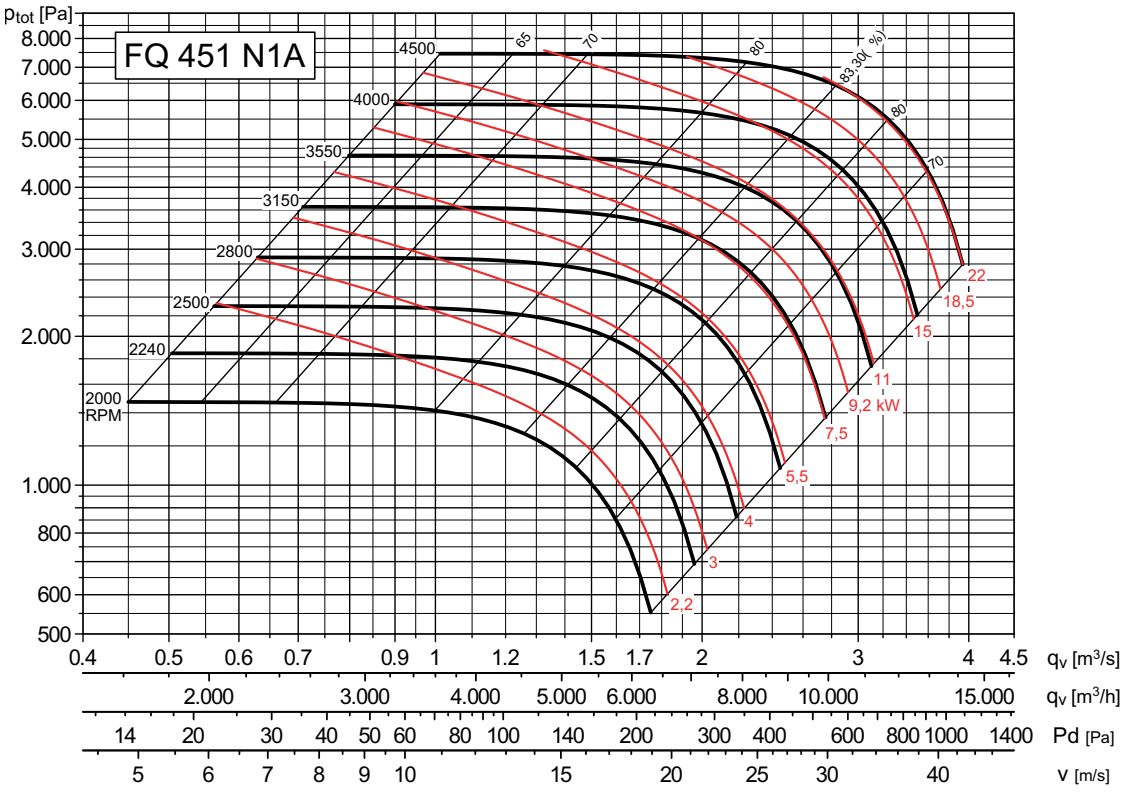
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 4000 rpm
101 ÷ 220°C = 3550 rpm
201 ÷ 300°C = 3150 rpm

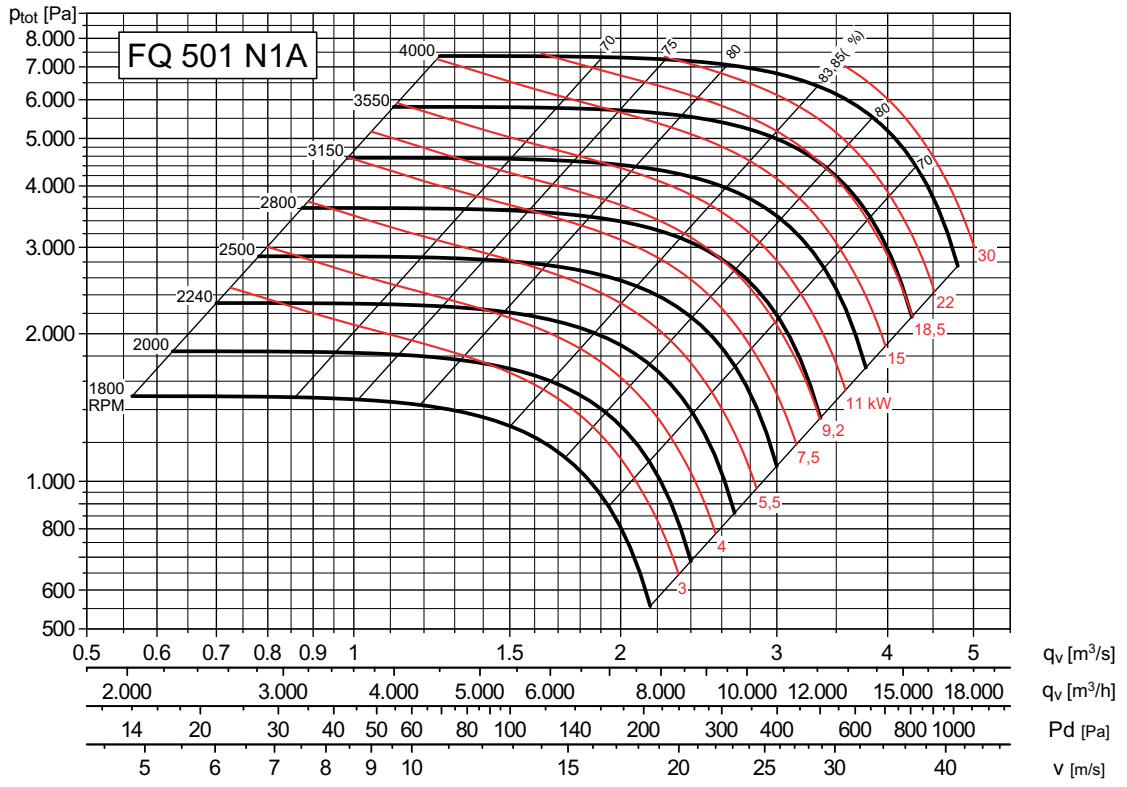



MAX. RPM

≤ 100°C = 3750 rpm
101 ÷ 220°C = 3350 rpm
201 ÷ 300°C = 3000 rpm

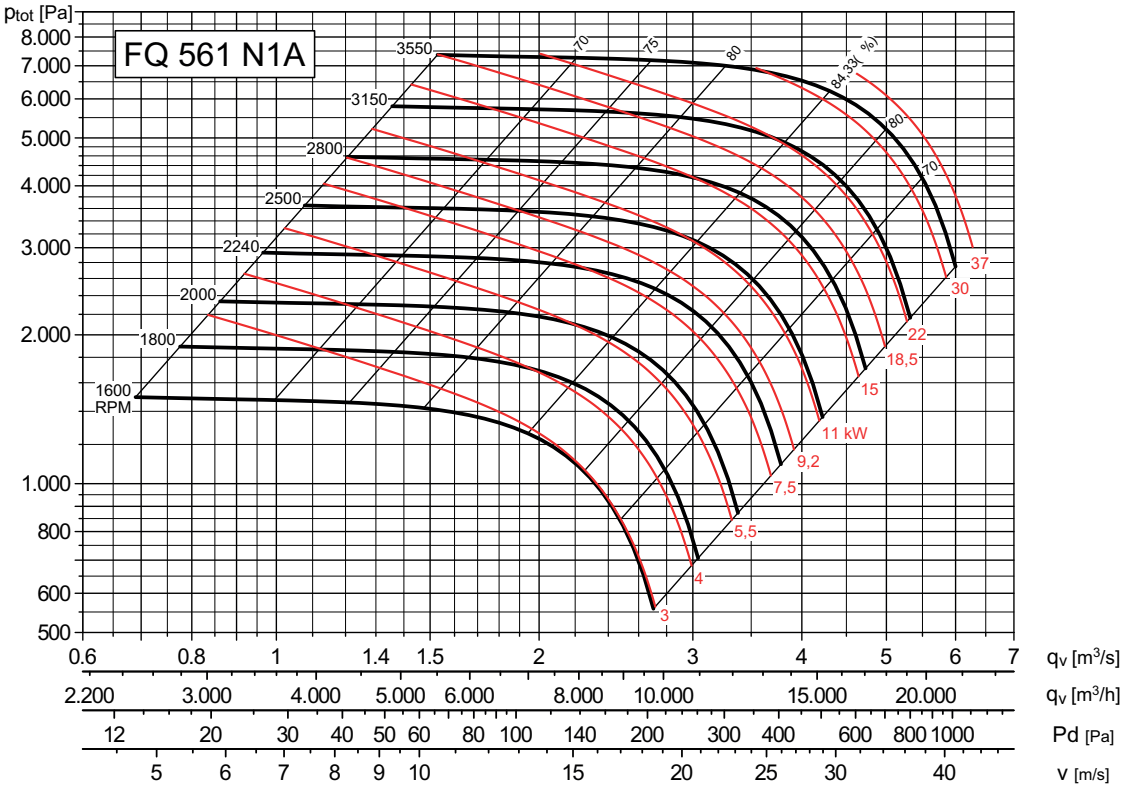
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 3550 rpm
101 ÷ 220°C = 3150 rpm
201 ÷ 300°C = 2800 rpm

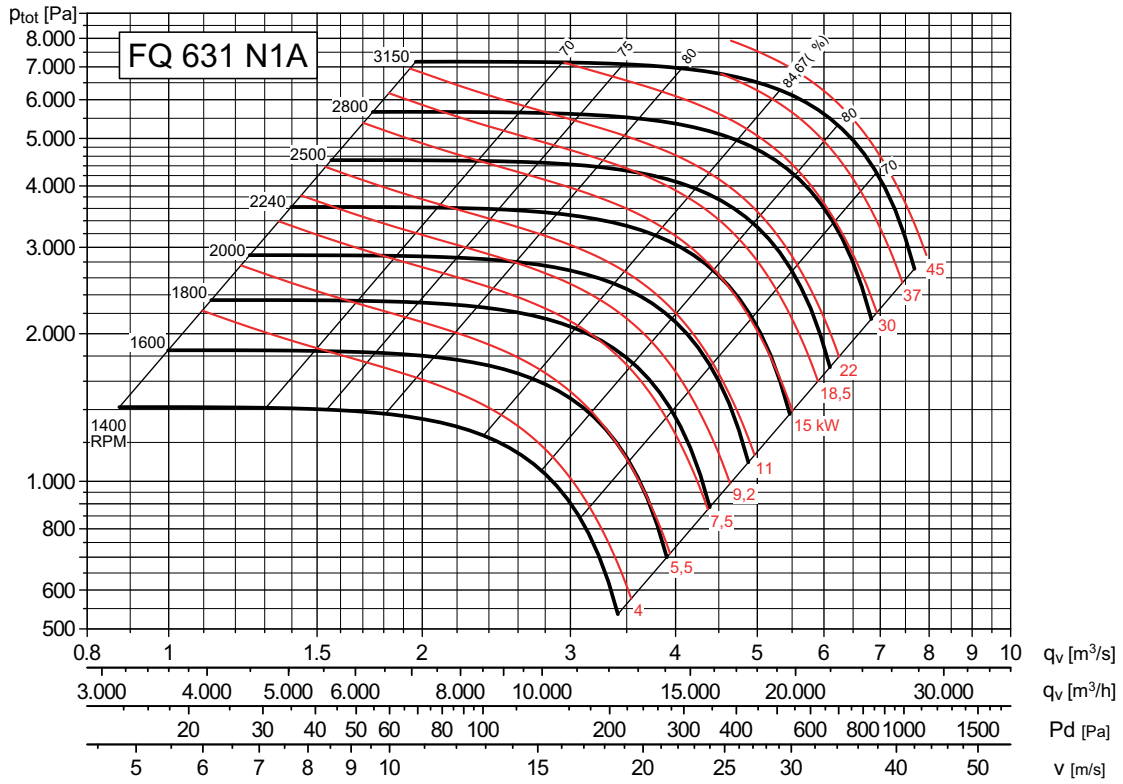



MAX. RPM

≤ 100°C = 3350 rpm
101 ÷ 220°C = 3000 rpm
201 ÷ 300°C = 2650 rpm

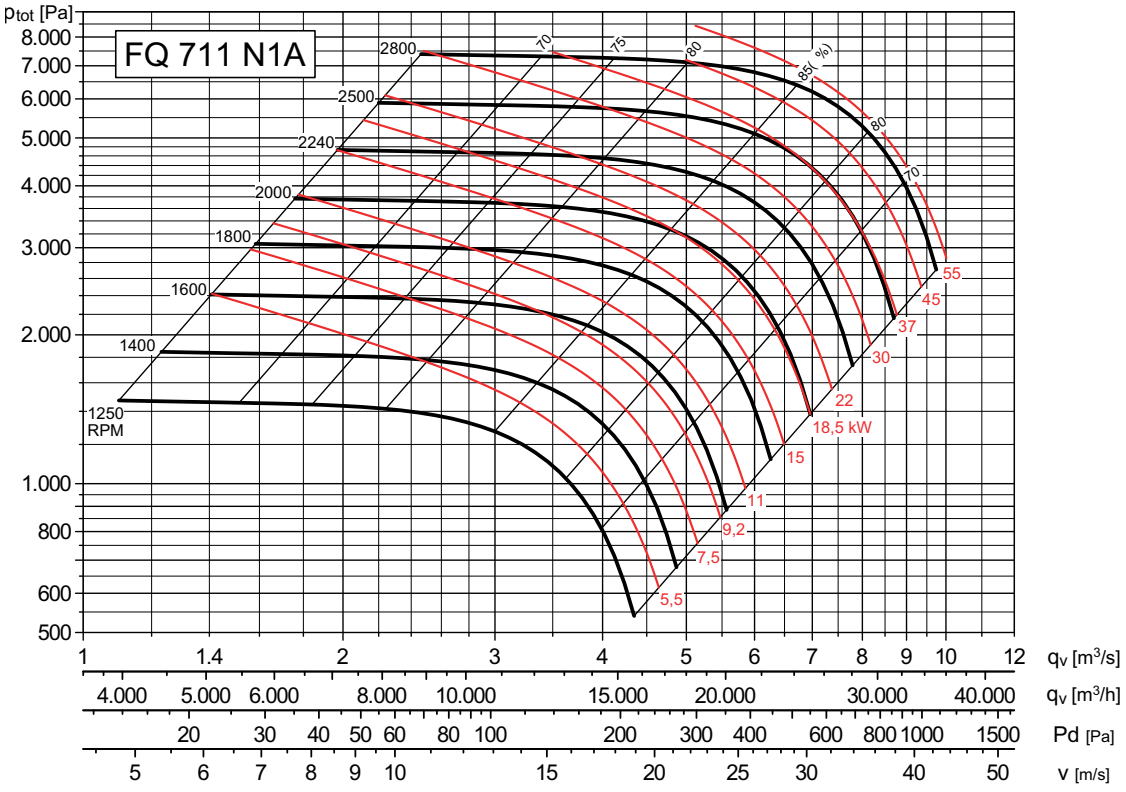
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 3150 rpm
101 ÷ 220°C = 2800 rpm
201 ÷ 300°C = 2500 rpm

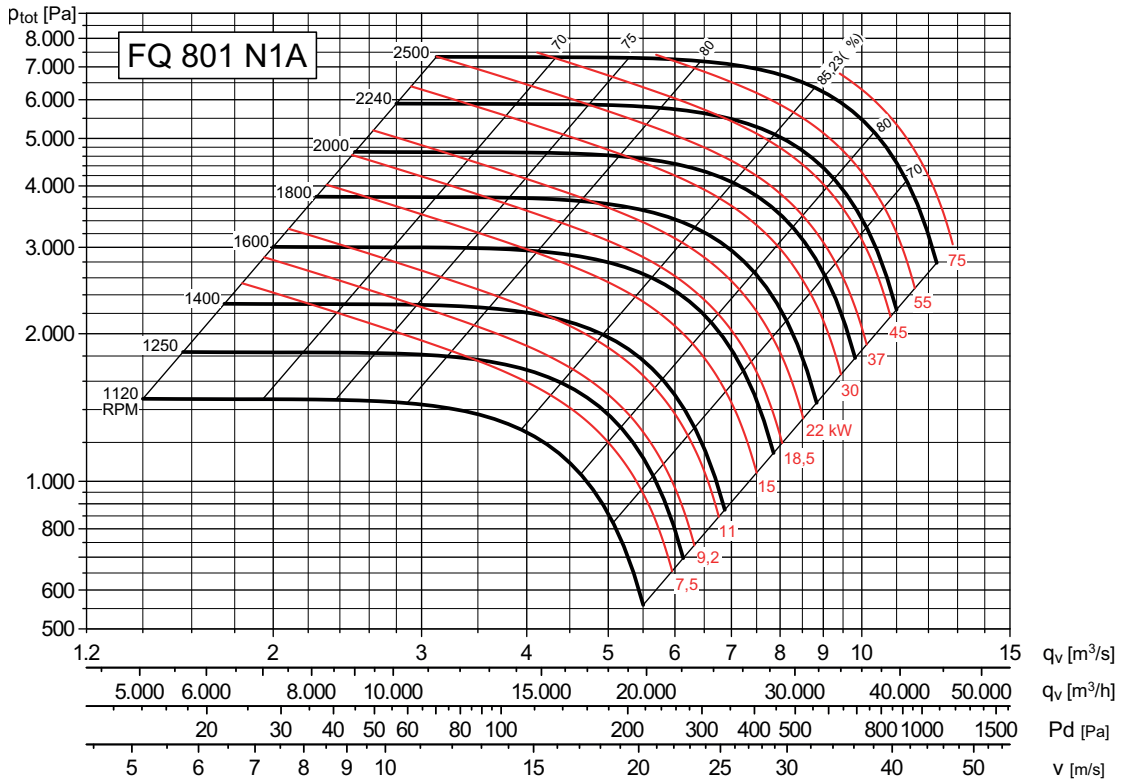



MAX. RPM

≤ 100°C = 2800 rpm
101 ÷ 220°C = 2500 rpm
201 ÷ 300°C = 2240 rpm

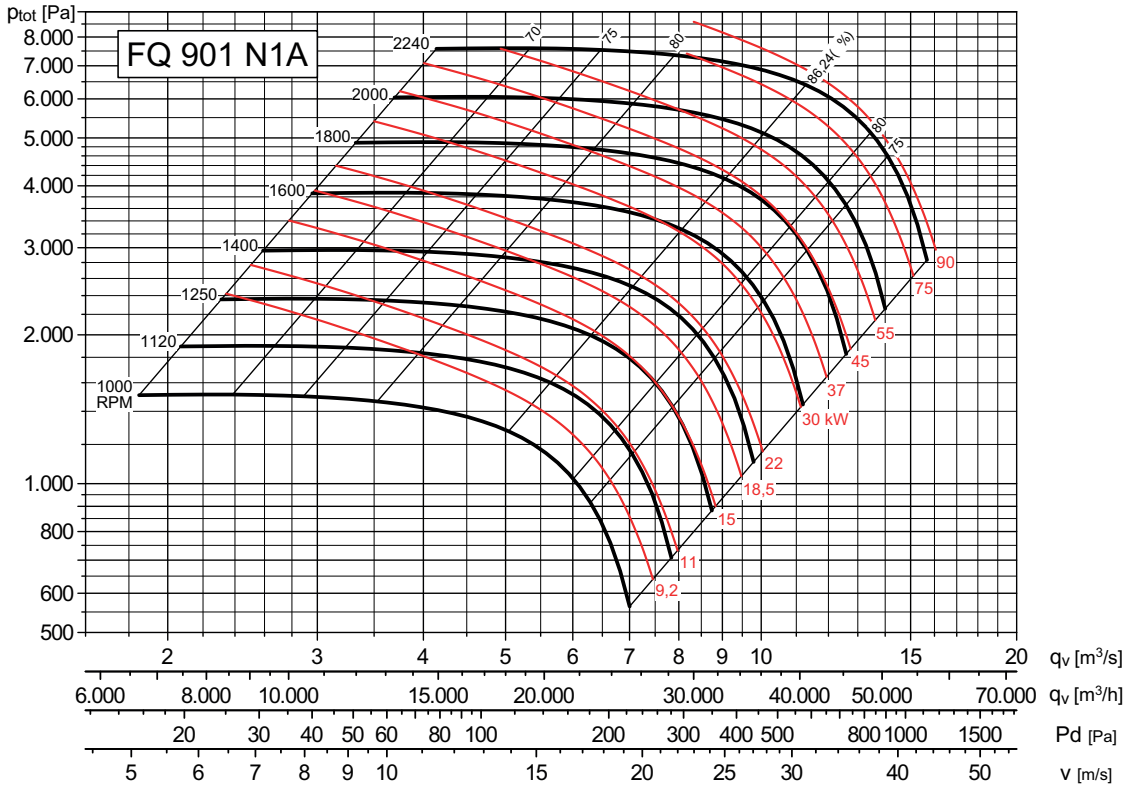
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 2500 rpm
101 ÷ 220°C = 2240 rpm
201 ÷ 300°C = 2000 rpm

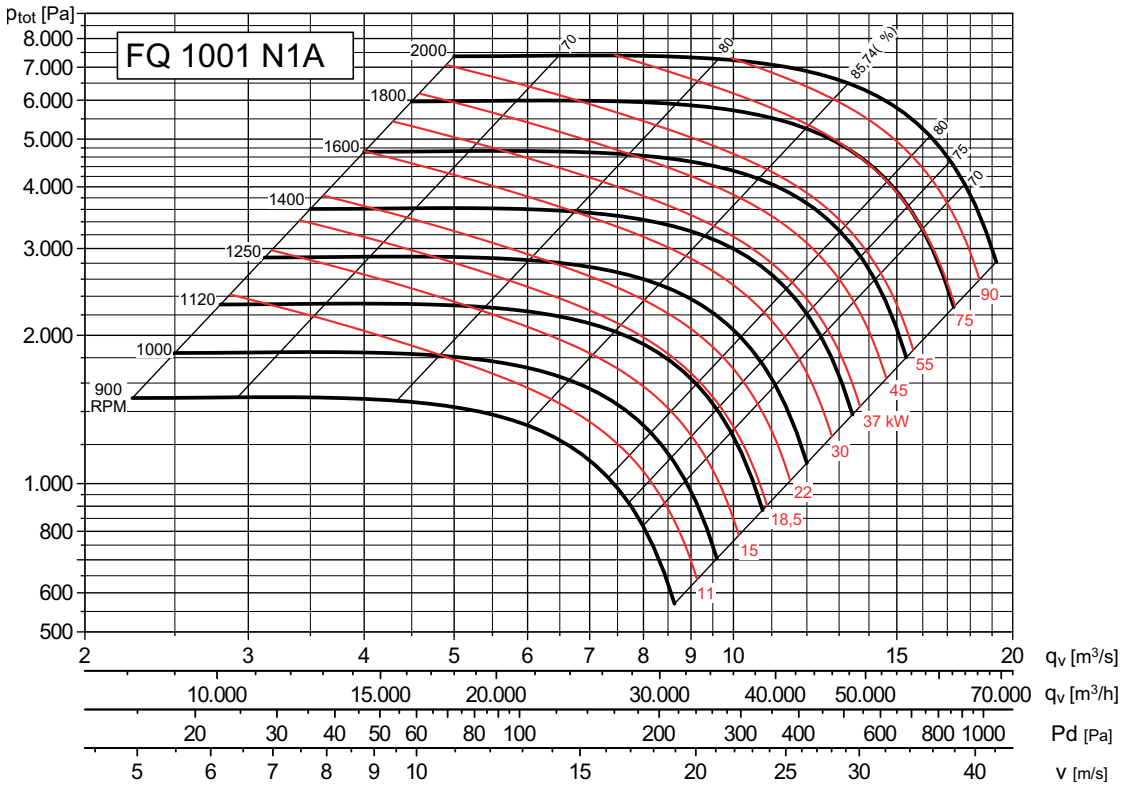



MAX. RPM

≤ 100°C = 2240 rpm
101 ÷ 220°C = 2000 rpm
201 ÷ 300°C = 1800 rpm

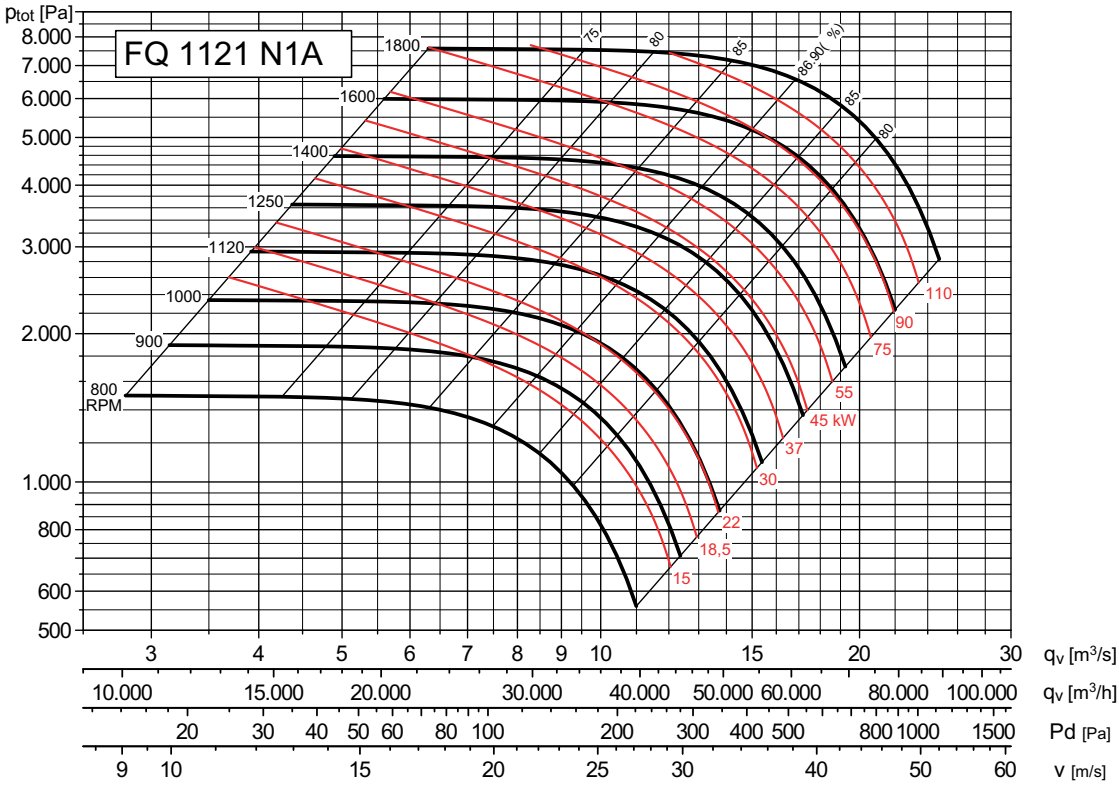
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 2000 rpm
101 ÷ 220°C = 1800 rpm
201 ÷ 300°C = 1600 rpm

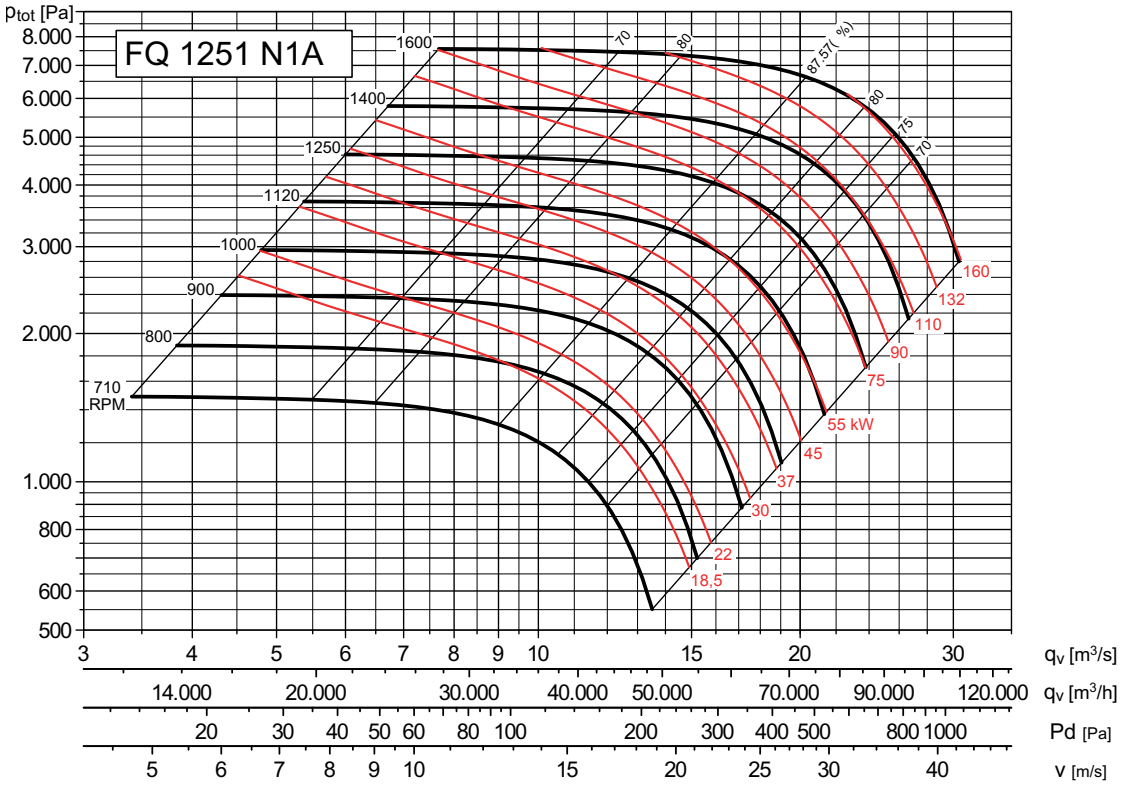



MAX. RPM

≤ 100°C = 1800 rpm
101 ÷ 220°C = 1600 rpm
201 ÷ 300°C = 1400 rpm

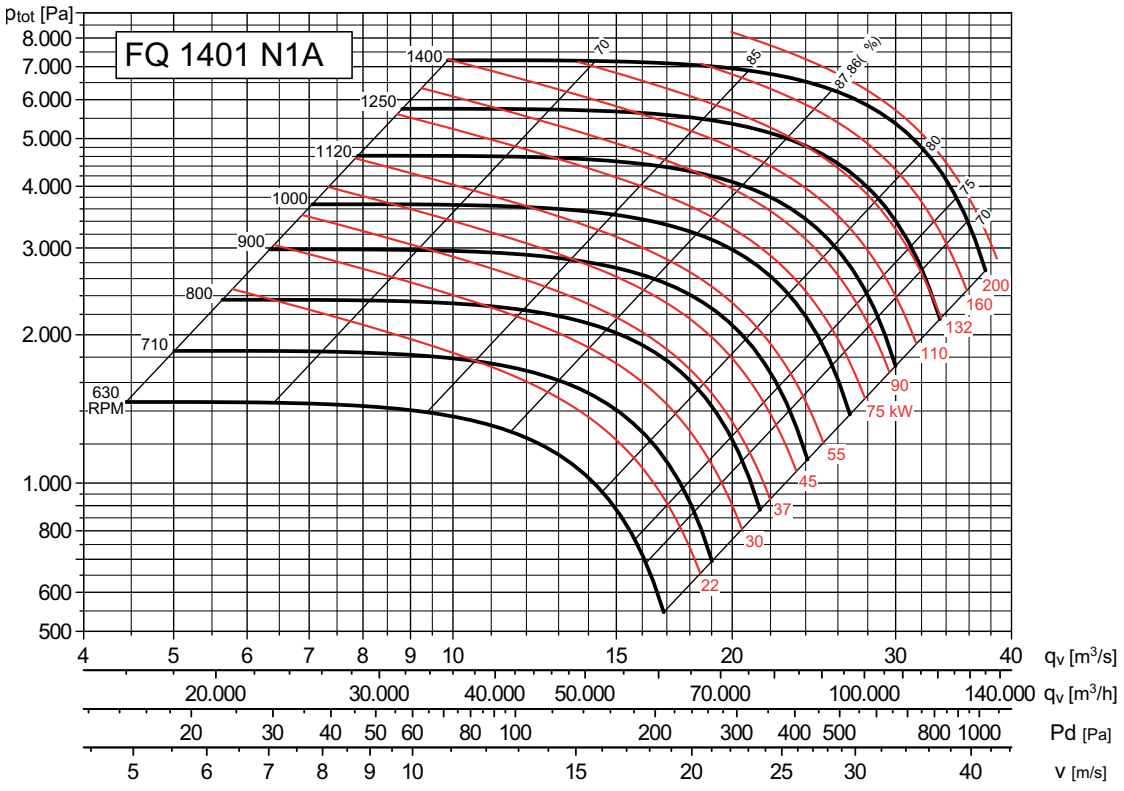
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 1600 rpm
101 ÷ 220°C = 1400 rpm
201 ÷ 300°C = 1250 rpm

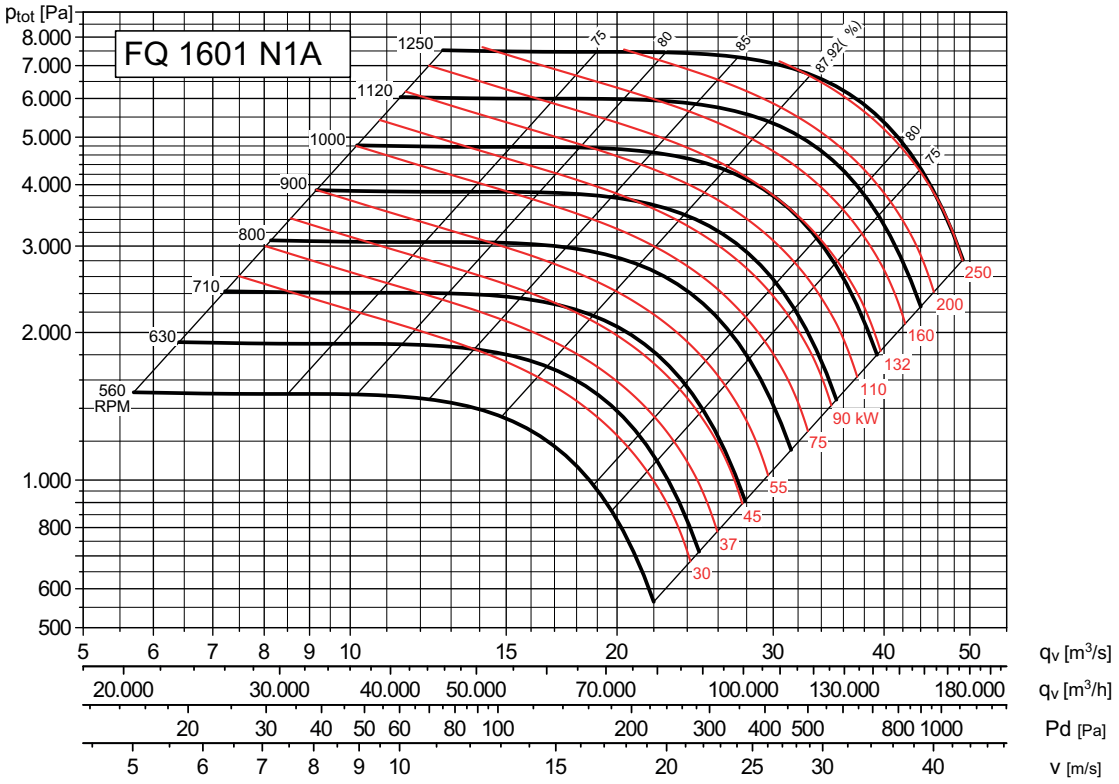



MAX. RPM

≤ 100°C = 1400 rpm
101 ÷ 220°C = 1250 rpm
201 ÷ 300°C = 1120 rpm

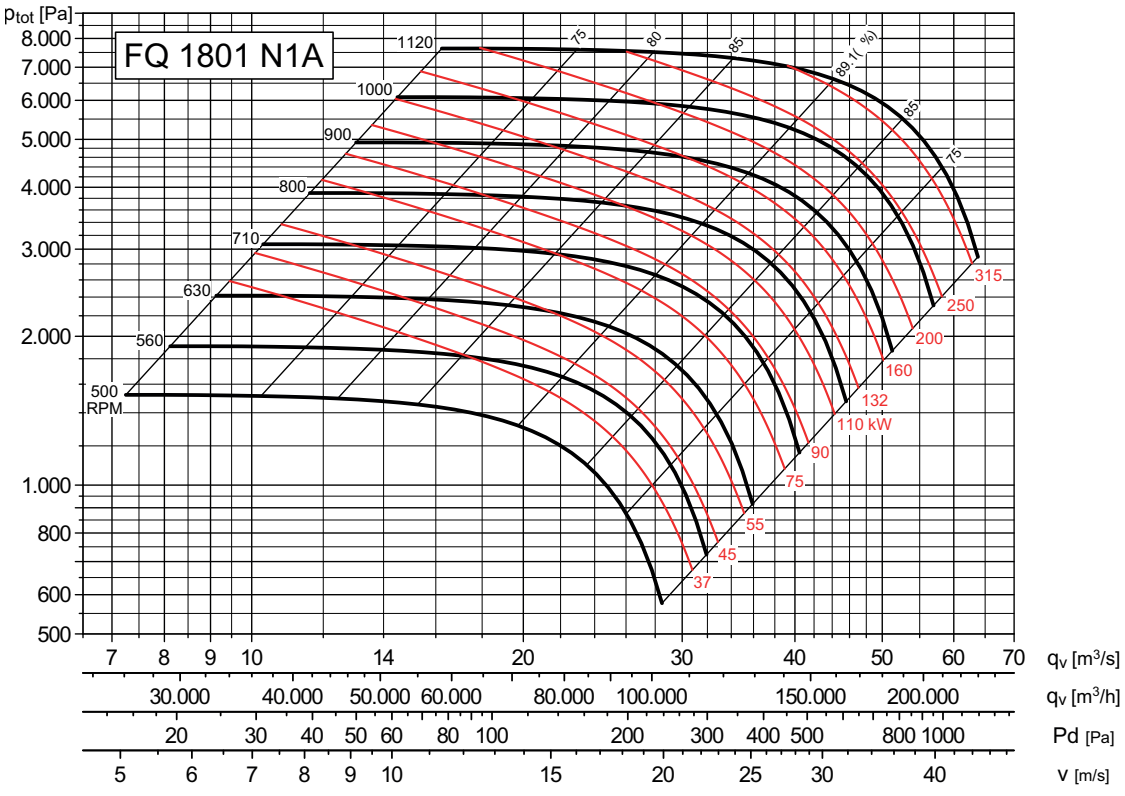
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 1250 rpm
101 ÷ 220°C = 1120 rpm
201 ÷ 300°C = 1000 rpm

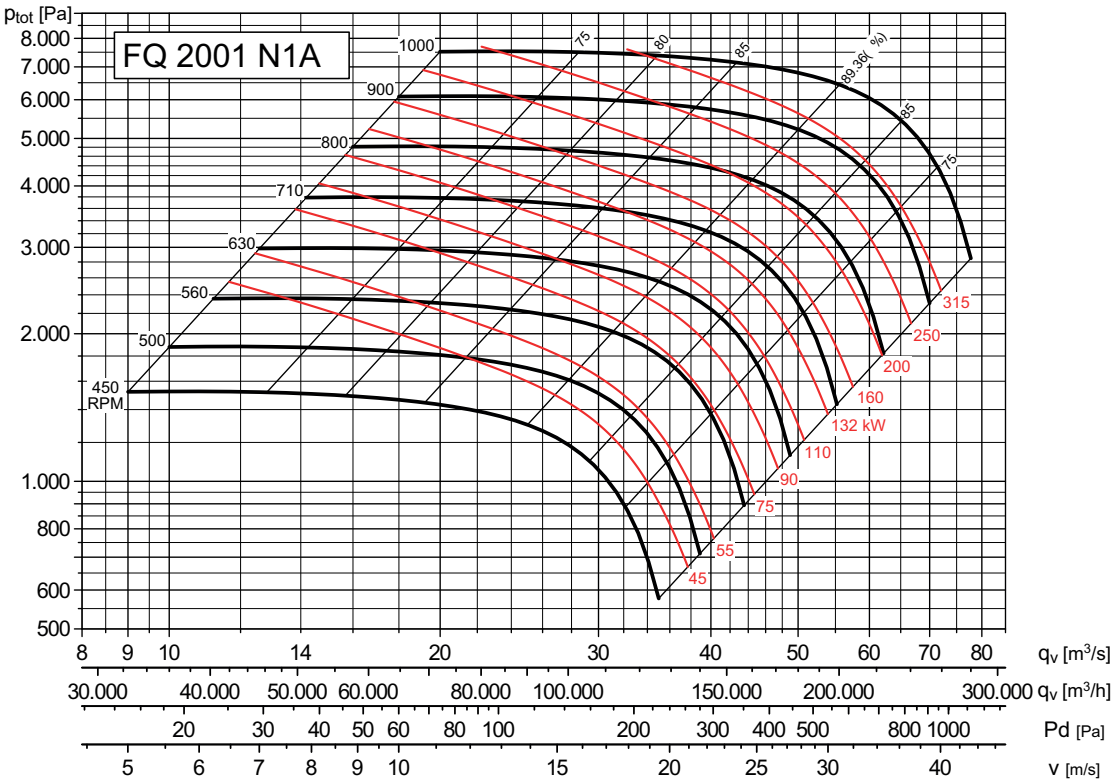



MAX. RPM

≤ 100°C = 1120 rpm
101 ÷ 220°C = 1000 rpm
201 ÷ 300°C = 900 rpm

## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**

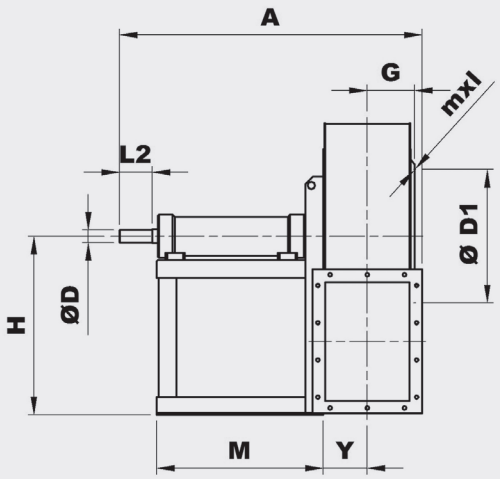


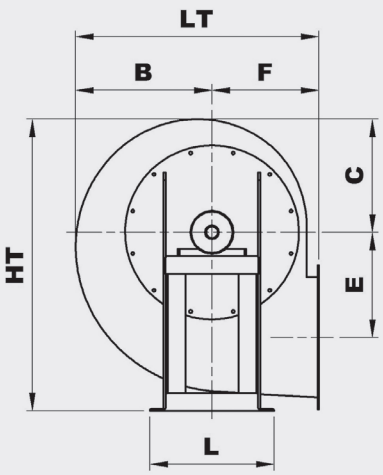

MAX. RPM

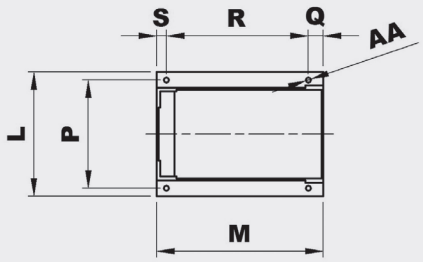
≤ 100°C = 1000 rpm
101 ÷ 220°C = 900 rpm
201 ÷ 300°C = 800 rpm

## DIMENSIONES (mm)

Modelos desde 251 hasta 501



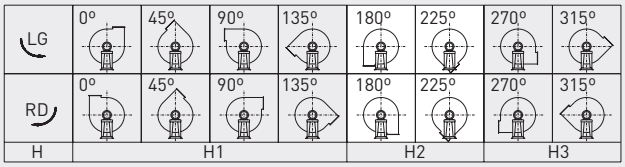






DESCARGA ORIENTABLE

EJECUCIÓN B
Con rodete de refrigeración, contactar con oficina técnica.

ORIENTACIONES

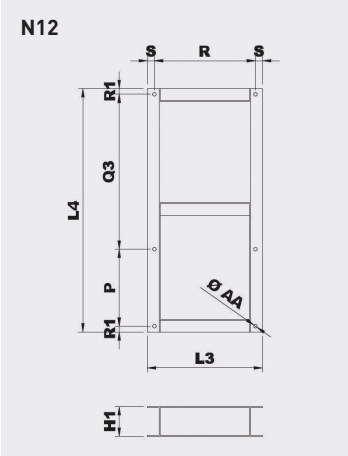



Para estas orientaciones, contactar con oficina técnica

| Modelo | | | | | | | | | | | | | | | Eje | | Base | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | ØD1 | E | F | G | H | | | HT | mxl | Y | LT | L | L2 | ØD | P | M | Q | R | S | ØAA |
| | | | | | | | | H1 | H2 | H3 | | | | | | | | | | | | | |
| FQ 251 N1A | 594 | 245 | 210 | 292 | 150 | 195 | 93 | 315 | 195 | 315 | 525 | M8x20 | 95 | 440 | 255 | 19 | 40 | 228 | 282 | 55 | 210 | 17 | 10 |
| FQ 281 N1A | 659 | 270 | 235 | 332 | 171 | 200 | 104 | 375 | 200 | 375 | 610 | M8x20 | 106 | 470 | 324 | 24 | 50 | 288 | 347 | 40 | 284 | 23 | 12 |
| FQ 311 N1A | 684 | 300 | 260 | 366 | 196 | 225 | 116 | 400 | 225 | 400 | 660 | M8x20 | 118 | 525 | 324 | 24 | 50 | 288 | 347 | 40 | 284 | 23 | 12 |
| FQ 351 N1A | 864 | 340 | 295 | 405 | 215 | 255 | 129 | 450 | 255 | 450 | 745 | M8x20 | 132 | 595 | 400 | 28 | 60 | 355 | 485 | 50 | 407 | 28 | 14 |
| FQ 401 N1A | 913 | 375 | 330 | 448 | 243 | 285 | 146 | 500 | 285 | 500 | 830 | M8x20 | 148 | 660 | 400 | 38 | 80 | 355 | 485 | 50 | 407 | 28 | 14 |
| FQ 451 N1A | 949 | 425 | 370 | 497 | 273 | 320 | 162 | 560 | 320 | 560 | 930 | M8x25 | 165 | 745 | 400 | 38 | 80 | 355 | 485 | 50 | 407 | 28 | 14 |
| FQ 501 N1A | 1099 | 470 | 410 | 551 | 301 | 360 | 182 | 600 | 360 | 600 | 1010 | M8x25 | 185 | 830 | 418 | 42 | 110 | 364 | 560 | 50 | 477 | 33 | 17 |

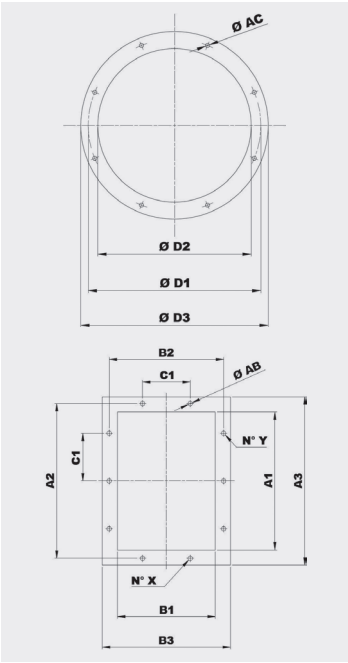
## DIMENSIONES (mm)

Modelos desde 251 hasta 501




Bancada ejecución 12

| Modelo | H1 | P | L3 | L4 | Q3 | R | R1 | S | ØAA | Peso (kg) |
|---|---|---|---|---|---|---|---|---|---|---|
| 251 N12A | 80 | 228 | 244 | 700 | 445 | 210 | 13,5 | 17 | 10 | 6 |
| 281 N12A | 100 | 288 | 330 | 800 | 476 | 284 | 18 | 23 | 12 | 14 |
| 311 N12A | 100 | 288 | 330 | 800 | 476 | 284 | 18 | 23 | 12 | 14 |
| 351 N12A | 120 | 355 | 463 | 1010 | 610 | 407 | 22,5 | 28 | 14 | 25 |
| 401 N12A | 120 | 355 | 463 | 1010 | 610 | 407 | 22,5 | 28 | 14 | 25 |
| 451 N12A | 120 | 355 | 463 | 1010 | 610 | 407 | 22,5 | 28 | 14 | 25 |
| 501 N12A | 140 | 364 | 543 | 1150 | 732 | 477 | 27 | 33 | 17 | 34 |




Brida aspiración

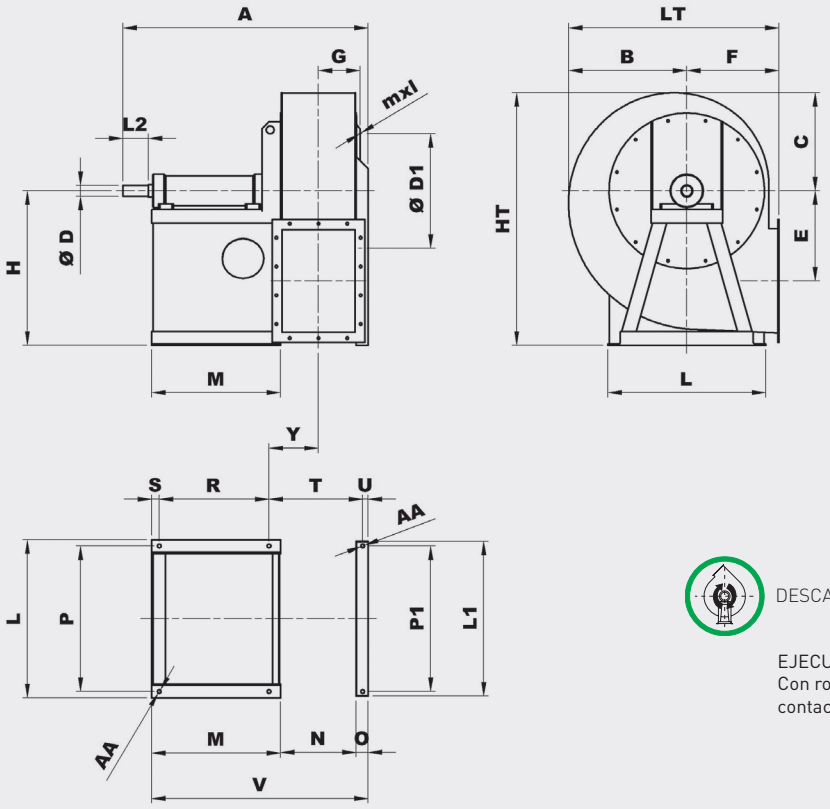
| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 251 | 200 | 241 | 204 | 274 | 8 | 8 |
| 281 | 224 | 265 | 228 | 298 | 8 | 8 |
| 311 | 250 | 292 | 254 | 324 | 10 | 8 |
| 351 | 280 | 332 | 285 | 365 | 10 | 8 |
| 401 | 315 | 366 | 320 | 400 | 10 | 8 |
| 451 | 355 | 405 | 360 | 440 | 10 | 8 |
| 501 | 400 | 448 | 405 | 485 | 10 | 12 |

Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 251 | 200x140 | 205 | 146 | 241 | 182 | 275 | 216 | 112 | 12 | 2+2 | 2+2 |
| 281 | 224x160 | 229 | 164 | 265 | 200 | 299 | 234 | 112 | 12 | 2+2 | 2+2 |
| 311 | 250x180 | 256 | 183 | 292 | 219 | 326 | 253 | 112 | 12 | 2+2 | 3+3 |
| 351 | 280x200 | 288 | 205 | 332 | 249 | 368 | 285 | 125 | 12 | 2+2 | 3+3 |
| 401 | 315x224 | 322 | 229 | 366 | 273 | 402 | 309 | 125 | 12 | 2+2 | 3+3 |
| 451 | 355x250 | 361 | 256 | 405 | 300 | 441 | 336 | 125 | 12 | 2+2 | 3+3 |
| 501 | 400x280 | 404 | 288 | 448 | 332 | 484 | 368 | 125 | 12 | 3+3 | 4+4 |

## DIMENSIONES (mm)

Modelos desde 561 hasta 631




DESCARGA ORIENTABLE

EJECUCIÓN B
Con rodete de refrigeración, contactar con oficina técnica.

ORIENTACIONES

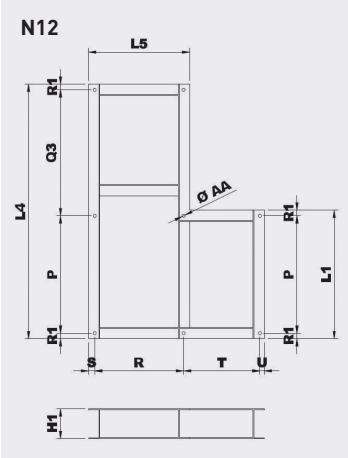
| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LG | 0º | 45º | 90º | 135º | 180º | 225º | 270º | 315º |
| RD | 0º | 45º | 90º | 135º | 180º | 225º | 270º | 315º |
| H | H1 | | | | H2 | | H3 | |

Para estas orientaciones, contactar con oficina técnica

| Modelo | A | B | C | ØD1 | E | F | G | H | | | HT | mxl | Y | LT | L | Eje | | Base | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | H1 | H2 | H3 | | | | | | ØD | L2 | P | L1 | P1 | M | N | O | R | S | T | U | V | ØAA |
| FQ 561 N1A | 1070 | 550 | 451 | 497 | 391 | 400 | 181 | 670 | 400 | 670 | 1121 | M8x20 | 215 | 950 | 686 | 48 | 110 | 632 | 672 | 632 | 560 | 330 | 53 | 477 | 33 | 410 | 23 | 943 | 17 |
| FQ 631 N1A | 1110 | 615 | 515 | 551 | 441 | 450 | 200 | 750 | 450 | 750 | 1265 | M8x20 | 236 | 1065 | 756 | 48 | 110 | 702 | 762 | 702 | 560 | 370 | 53 | 477 | 33 | 450 | 23 | 983 | 17 |

## DIMENSIONES (mm)

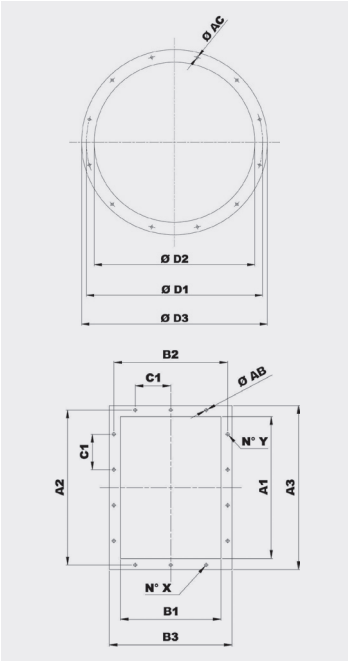
Modelos desde 561 hasta 631




Bancada ejecución 12

| Modelo | H1 | P | L1 | L4 | L5 | Q3 | R | R1 | S | T | U | ØAA | Peso (kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 561 N12A | 160 | 632 | 692 | 1370* | 543 | 678* | 477 | 30 | 33 | 410 | 23 | 17 | 51 |
| 631 N12A | 160 | 702 | 762 | 1470* | 543 | 708* | 477 | 30 | 33 | 450 | 23 | 17 | 55 |

* Para motores de talla 200-225, esta cota aumenta en 100 mm




Brida aspiración

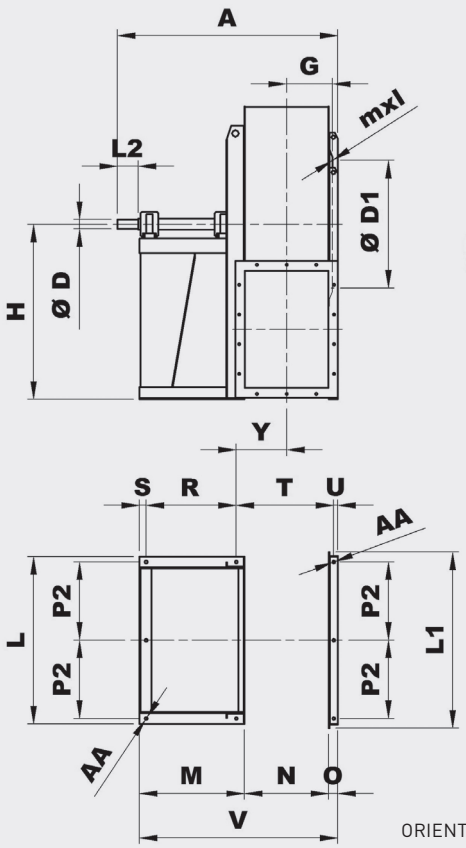
| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 561 | 450 | 497 | 455 | 535 | 10 | 12 |
| 631 | 500 | 551 | 505 | 585 | 10 | 12 |

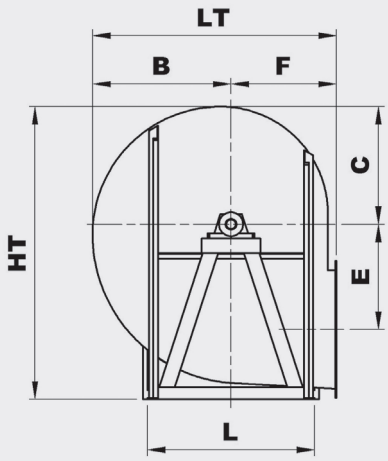
Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 561 | 450x315 | 453 | 322 | 497 | 366 | 533 | 402 | 125 | 12 | 3+3 | 4+4 |
| 631 | 500x355 | 507 | 361 | 551 | 405 | 587 | 441 | 125 | 12 | 3+3 | 4+4 |

## DIMENSIONES (mm)

Modelos desde 711 hasta 2001



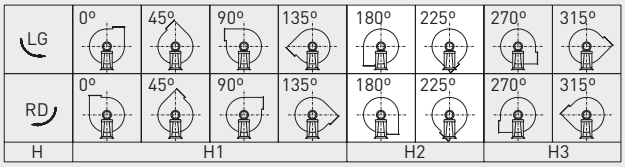






DESCARGA NO ORIENTABLE

EJECUCIÓN B
Con rodete de refrigeración, contactar con oficina técnica.

ORIENTACIONES




Para estas orientaciones, contactar con oficina técnica

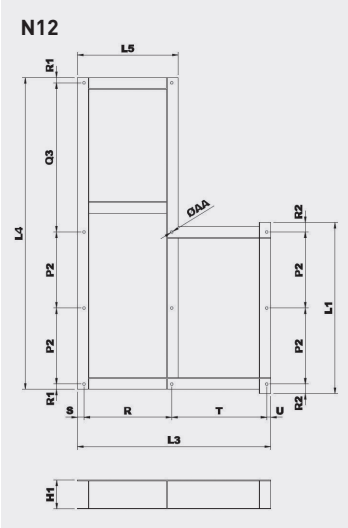
| Modelo | A | B | C | ØD1 | E | F | G | H | | | HT | mxl | Y | LT | L | Eje | | Base | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | H1 | H2 | H3 | | | | | | ØD | L2 | L1 | M | N | O | P2 | R | S | T | U | V | ØAA |
| FQ 711 N1A | 1250 | 690 | 565 | 629 | 500 | 500 | 222 | 670 | 500 | 850 | 1415 | M8x20 | 262 | 1190 | 836 | 48 | 110 | 896 | 650 | 404 | 60 | 386 | 551 | 39 | 497 | 27 | 1114 | 19 |
| FQ 801 N1A | 1295 | 770 | 630 | 698 | 560 | 560 | 251 | 750 | 560 | 950 | 1580 | M8x20 | 287 | 1330 | 926 | 55 | 110 | 986 | 650 | 453 | 60 | 431 | 551 | 39 | 546 | 27 | 1163 | 19 |
| FQ 901 N1A | 1350 | 870 | 705 | 775 | 630 | 630 | 278 | 850 | 630 | 1060 | 1765 | M8x20 | 314 | 1490 | 1026 | 55 | 110 | 1086 | 650 | 507 | 60 | 481 | 551 | 39 | 600 | 27 | 1217 | 19 |
| FQ 1001 N1A | 1495 | 965 | 795 | 861 | 710 | 710 | 309 | 950 | 710 | 1180 | 1975 | M10x30 | 340 | 1675 | 1128 | 65 | 140 | 1188 | 707 | 569 | 60 | 528 | 607 | 45 | 657 | 27 | 1336 | 19 |
| FQ 1121 N1A | 1770 | 1085 | 895 | 958 | 800 | 800 | 349 | 1060 | 800 | 1320 | 2215 | M10x30 | 399 | 1885 | 1268 | 75 | 140 | 1348 | 885 | 638 | 80 | 589 | 760 | 45 | 763 | 35 | 1603 | 24 |
| FQ 1251 N1A | 1850 | 1215 | 1005 | 1067 | 900 | 900 | 387 | 1180 | 900 | 1500 | 2505 | M10x30 | 438 | 2115 | 1400 | 75 | 140 | 1480 | 885 | 715 | 80 | 655 | 760 | 45 | 840 | 35 | 1680 | 24 |
| FQ 1401 N1A | 2010 | 1345 | 1115 | 1200 | 1000 | 1000 | 440 | 1320 | 1000 | 1700 | 2815 | M10x30 | 501 | 2345 | 1560 | 80 | 170 | 1640 | 935 | 801 | 80 | 725 | 780 | 55 | 946 | 35 | 1816 | 24 |
| FQ 1601 N1A | 2290 | 1530 | 1245 | 1337 | 1120 | 1120 | 489 | 1500 | 1120 | 1900 | 3145 | M10x30 | 569 | 2650 | 1750 | 90 | 170 | 1850 | 1102 | 898 | 100 | 820 | 917 | 65 | 1073 | 45 | 2100 | 28 |
| FQ 1801 N1A | 2590 | 1770 | 1390 | 1491 | 1250 | 1250 | 515 | 1650 | 1250 | 2120 | 3510 | M10 | 624 | 3020 | 1950 | 100 | 210 | 1950 | 1102 | 1007 | 120 | 915 | 917 | 65 | 1192 | 55 | 2229 | 28 |
| FQ 2001 N1A | 2615 | 1965 | 1555 | 1663 | 1400 | 1400 | 575 | 1850 | 1400 | 2360 | 3915 | M10 | 685 | 3365 | 2150 | 100 | 210 | 2122 | 1102 | 1130 | 120 | 1015 | 917 | 65 | 1315 | 55 | 2352 | 28 |

LG0 - RD0
LG270 - RD270

Sólo para estas orientaciones. Consultar con oficina técnica para diferentes posiciones

## DIMENSIONES (mm)

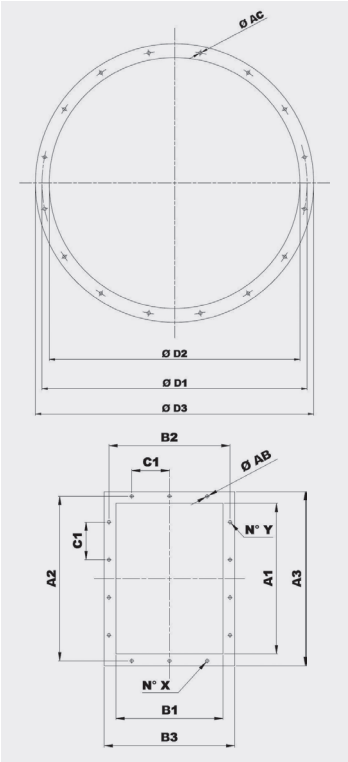
Modelos desde 711 hasta 2001




Bancada ejecución 12

| Modelo | H1 | P2 | L1 | L3 | L4 | L5 | Q3 | R | R1 | R2 | S | T | ØAA | Peso (kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 711 N12A | 180 | 386 | 896 | 1114 | 1643* | 629 | 807* | 551 | 32 | 62 | 39 | 497 | 19 | 83 |
| 801 N12A | 180 | 431 | 986 | 1163 | 1768** | 629 | 842** | 551 | 32 | 62 | 39 | 546 | 19 | 90 |
| 901 N12A | 180 | 481 | 1086 | 1217 | 2013 | 629 | 987 | 551 | 32 | 62 | 39 | 600 | 19 | 96 |
| 1001 N12A | 200 | 528 | 1188 | 1336 | 2164 | 697 | 1036 | 607 | 36 | 66 | 45 | 657 | 19 | 125 |
| 1121 N12A | 220 | 589 | 1348 | 1603 | 2334 | 850 | 1066 | 760 | 45 | 85 | 45 | 763 | 24 | 190 |
| 1251 N12A | 220 | 655 | 1480 | 1680 | 2630 | 850 | 1230 | 760 | 45 | 85 | 45 | 840 | 24 | 205 |
| 1401 N12A | 220 | 725 | 1640 | 1816 | 2800 | 890 | 1240 | 780 | 55 | 95 | 55 | 946 | 24 | 240 |
| 1601 N12A | 220 | 820 | 1850 | 2100 | 2945 | 1047 | 1195 | 917 | 55 | 105 | 65 | 1073 | 28 | 270 |
| 1801 N12A | 250 | 915 | 1950 | 2229 | 3245 | 1047 | 1295 | 917 | 60 | 60 | 65 | 1192 | 28 | 360 |
| 2001 N12A | 250 | 1015 | 2150 | 2352 | 3500 | 1047 | 1350 | 917 | 60 | 60 | 65 | 1315 | 28 | 425 |

* Para motores de talla 250, esta cota aumenta en 150 mm
** Para motores de talla 250, esta cota aumenta en 100 mm




Brida aspiración

| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 711 | 560 | 629 | 566 | 666 | 10 | 12 |
| 801 | 630 | 698 | 636 | 736 | 10 | 12 |
| 901 | 710 | 775 | 716 | 816 | 12 | 16 |
| 1001 | 800 | 861 | 806 | 906 | 12 | 16 |
| 1121 | 900 | 958 | 906 | 1006 | 12 | 16 |
| 1251 | 1000 | 1067 | 1007 | 1107 | 12 | 24 |
| 1401 | 1120 | 1200 | 1128 | 1248 | 12 | 24 |
| 1601 | 1250 | 1337 | 1260 | 1380 | 12 | 24 |
| 1801 | 1400 | 1491 | 1420 | 1540 | 12 | 32 |
| 2001 | 1600 | 1663 | 1610 | 1730 | 14 | 32 |

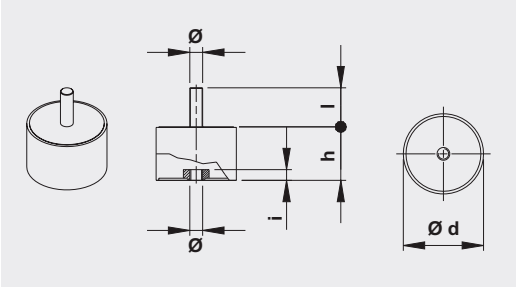
Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 711 | 560x400 | 569 | 404 | 629 | 464 | 669 | 504 | 160 | 14 | 3+3 | 4+4 |
| 801 | 630x450 | 638 | 453 | 698 | 513 | 738 | 553 | 160 | 14 | 3+3 | 4+4 |
| 901 | 710x500 | 715 | 507 | 775 | 567 | 815 | 607 | 160 | 14 | 3+3 | 5+5 |
| 1001 | 800x560 | 801 | 569 | 871 | 639 | 921 | 689 | 200 | 14 | 3+3 | 4+4 |
| 1121 | 900x630 | 898 | 638 | 968 | 708 | 1018 | 758 | 200 | 14 | 4+4 | 5+5 |
| 1251 | 1000x710 | 1007 | 715 | 1077 | 785 | 1127 | 835 | 200 | 14 | 4+4 | 5+5 |
| 1401 | 1120x800 | 1130 | 801 | 1210 | 881 | 1270 | 941 | 200 | 18 | 4+4 | 6+6 |
| 1601 | 1250x900 | 1267 | 898 | 1347 | 978 | 1407 | 1038 | 200 | 18 | 5+5 | 7+7 |
| 1801 | 1400x1000 | 1421 | 1007 | 1501 | 1087 | 1561 | 1147 | 200 | 18 | 5+5 | 7+7 |
| 2001 | 1600x1120 | 1593 | 1130 | 1683 | 1220 | 1753 | 1290 | 200 | 22 | 6+6 | 8+8 |

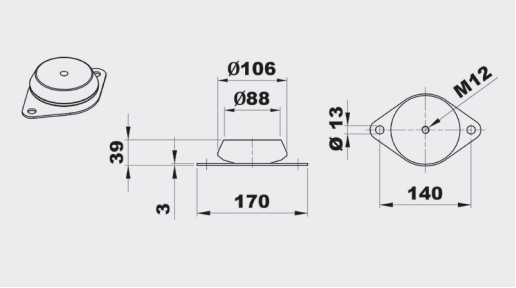
## AMORTIGUADORES

Amortiguadores recomendados

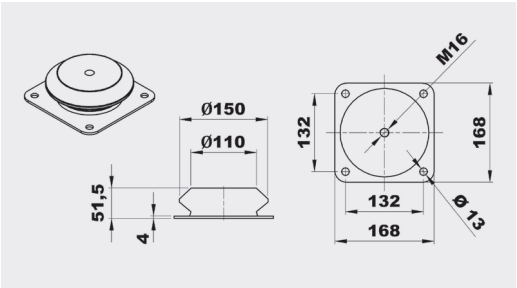
| Ventilador | Ejecución 9 | Ejecución 12 |
|---|---|---|
| 251/2 | 4 x AM 25 - 25x20 | 4 x AM 30 - 30x30 |
| 281/2 | 4 x AM 25 - 25x20 | 4 x AM 30 - 30x30 |
| 311/2 | 4 x AM 30 - 30x30 | 4 x AM 30 - 30x30 |
| 351/2 | 4 x AM 30 - 30x30 | 4 x AM 40 - 40x30 |
| 401/2 | 4 x AM 40 - 40x30 | 4 x AM 40 - 40x30 |
| 451/2 | 4 x AM 40 - 40x30 | 4 x AM 50 - 50x40 |
| 501/2 | 4 x AM 50 - 50x40 | 4 x AM 50 - 50x40 |
| 561/2 | 4 x AM 50 - 50x40 | 6 x AM 75 - 75x50 |
| 631/2 | 4 x AM 75 - 75x50 | 6 x AM 75 - 75x50 |
| 711/2 | 4 x AM 75 - 75x50 | 6 x AM 75 - 75x50 |
| 801/2 | 4 x AM 75 - 75x50 | 6 x AZ 39 - 140x39 |
| 901/2 | 6 x AM 75 - 75x50 | 6 x AZ 39 - 140x39 |
| 1001/2 | 6 x AM 75 - 75x50 | 6 x AZ 39 - 140x39 |
| 1121/2 | 6 x AZ 39 - 140x39 | 6 x AZ 39 - 140x39 |
| 1251/2 | 6 x AZ 39 - 140x39 | 6 x AZ 51 - 132x51 |
| 1401/2 | 6 x AZ 51 - 132x51 | 6 x AZ 51 - 132x51 |
| 1601 | - | 6 x AZ 51 - 132x51 |
| 1801 | - | 6 x AZ 63 - 150x63 |
| 2001 | - | 6 x AZ 63 - 150x63 |



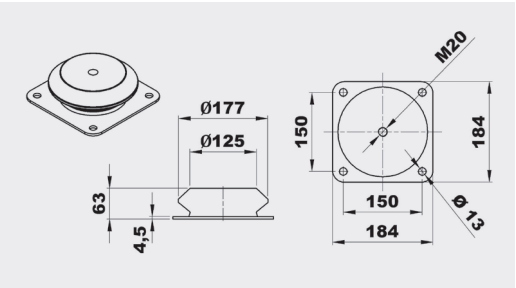

| Tipo | Carga para 4 soportes (kg) | d | h | Ø | l | Peso (kg) |
|---|---|---|---|---|---|---|
| AM20 | 11÷40 | 20 | 20 | M6 | 15 | 0,02 |
| AM25 | 41÷80 | 25 | 20 | M6 | 18 | 0,03 |
| AM30 | 81÷140 | 30 | 30 | M8 | 20 | 0,05 |
| AM40 | 141÷224 | 40 | 30 | M8 | 23 | 0,10 |
| AM50 | 225÷315 | 50 | 40 | M10 | 28 | 0,20 |
| AM75 | 316÷630 | 75 | 50 | M12 | 37 | 0,50 |




| Tipo | Carga para 4 soportes (kg) | Peso (kg) |
|---|---|---|
| AZ 39 | 631÷1250 | 0,7 |

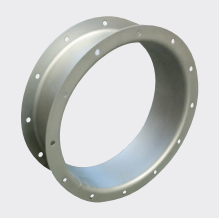



| Tipo | Carga para 4 soportes (kg) | Peso (kg) |
|---|---|---|
| AZ 51 | 1251÷2500 | 1,8 |

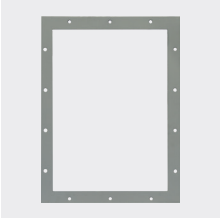



| Tipo | Carga para 4 soportes (kg) | Peso (kg) |
|---|---|---|
| AZ 63 | 2501÷5000 | 2,5 |

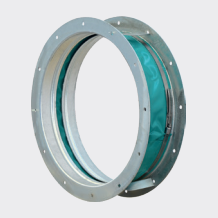
## ACCESORIOS



**CA (CFH1) - CFH2 - CFH3**
Contrabrida - Brida plana circular.



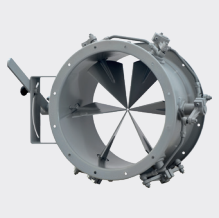
**CP**
Brida plana rectangular.



**GA**
Junta flexible aspiración.



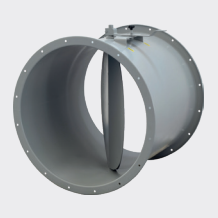
**GP**
Junta flexible descarga.



**DP**
Regulador de caudal de aspiración.



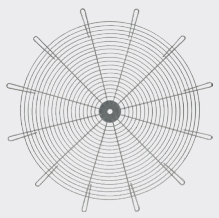
**SAD**
Compuerta de regulación de caudal de descarga.



**SF**
Vávula mariposa.



**DF**
Filtro en la aspiración.



**RC**
Rejilla de protección para la aspiración.



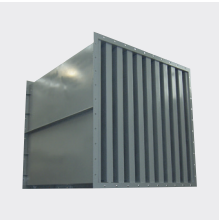
**AM/AZ**
Soportes antivibratorios.



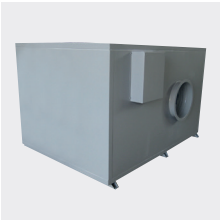
**SCSO**
Silenciador cilíndrico.



**SCCO**
Silenciador cilíndrico con bulbo.



**SASS**
Silenciador rectangular.



**CI**
Cabina de insonorización.

Ver información completa en página **772**.

# ART

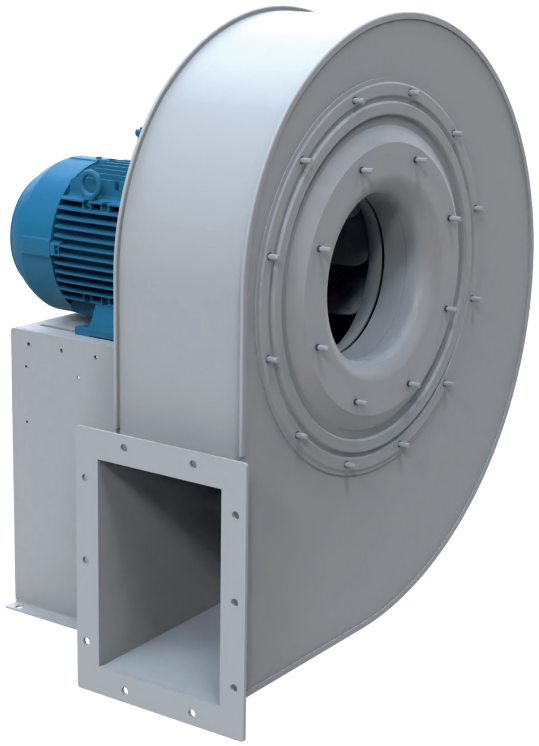
## VENTILADORES CENTRÍFUGOS DE MEDIA PRESIÓN

*ACOPLAMIENTO DIRECTO*

ErP OK

Silent Kit*

Ventilador centrífugo de acoplamiento directo y simple aspiración. Fabricados en chapa de acero protegida contra la corrosión mediante tratamiento por cataforesis + pintura poliuretana. Temperaturas del aire a transportar -20ºC/+100ºC en continuo.



APLICACIONES

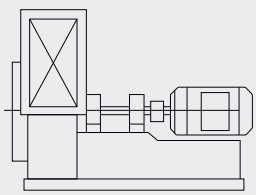
**Aire a transportar**
Polvoriento (ambiente industrial)

**Cantidad de polvo (mg/m³)**
<500



Rodete de álabes curvados hacia atrás

**SISTEMA 8:** acoplamiento mediante junta elástica.



Disponible bajo pedido

### Motores

De 2, 4 o 6 polos, de alta eficiencia IE 3*, tensión de alimentación trifásica 230/400V 50Hz tamaño motor 112 y 400/690V 50Hz para motores de mayor dimensión. Protección IP55, Clase F.

* Entre 75 y 200kW, los motores suministrados serán IE4.

### Bajo pedido

- Fabricación en diferentes materiales constructivos.
- Motores de 2 velocidades.
- Versiones de 60 Hz.
- Pintura en diferentes RAL.
- Versión sin pie soporte (Motor-Brida, Sistema 5), hasta tamaño de motor 160.
- Versión para alta temperatura: hasta 220ºC (versiones B: con rodete de refrigeración).
- SISTEMA 8: acoplamiento mediante junta elástica.
- Trampilla de inspección, purga de drenaje, distintos tipos de estanqueidad a nivel de voluta y de paso de eje.
- Ventiladores estancos.
- Calorifugado.

### Versiones ATEX

Bajo pedido, versiones antiexplosivas según la Directiva ATEX para modelos trifásicos: Para trabajar a temperaturas de -20ºC a +60ºC, presión ambiente (absoluta) de 0,8 bar hasta 1,1 bar, según EN 14986.

- Gas:
  - Ex 2G IIB T2-T3-T4
  - Ex 2G IIB+H2 T2-T3-T4
  - Ex 3G IIB T2-T3-T4
  - Ex 3G IIB+H2 T2-T3-T4
- Polvo no conductivo:
  - Ex 2D IIIB T125°C-T135°C-T195°C-T295°C
  - Ex 3D IIIB T125°C-T135°C-T195°C-T295°C
- Polvo conductivo (con motor IP65 IIIC):
  - Ex 2D IIIC T125°C-T135°C-T195°C-T295°C
  - Ex 3D IIIC T125°C-T135°C-T195°C-T295°C

*Silent Kit opcional.

## CARACTERÍSTICAS TÉCNICAS

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación.

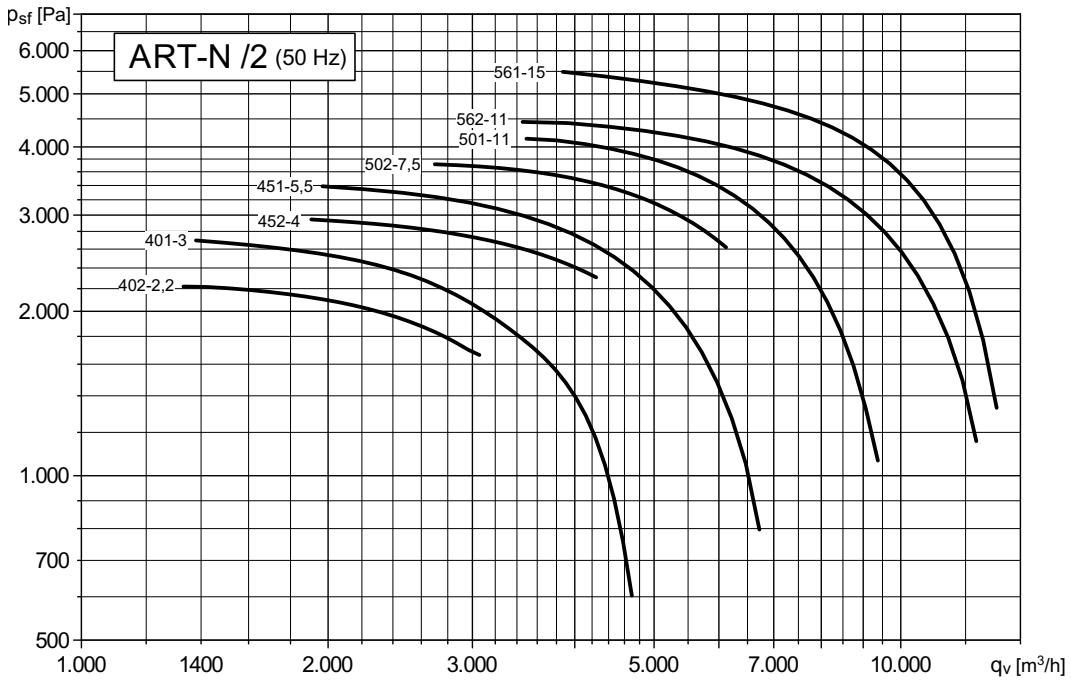
| Modelo | Tamaño motor | Velocidad (r.p.m.) | Potencia motor (kW) | Intensidad motor 400V (A) | Caudal máximo ($m^3/h$) | Nivel presión sonora a 1 m (dB(A))[1] | Peso (kg)[2] | Momento de inercia ($kg \cdot m^2$)[3] |
|---|---|---|---|---|---|---|---|---|
| 2 POLOS | | | | | | | | |
| ART 402/2 N4A | 90L2 | 2.850 | 2,2 | 4,43 | 3.120 | 76 | 72 | 0,15 |
| ART 401/2 N4A | 100L2 | 2.900 | 3,0 | 5,77 | 4.700 | 77 | 79 | 0,18 |
| ART 452/2 N4A | 112M2 | 2.910 | 4,0 | 7,50 | 4.250 | 79 | 98 | 0,25 |
| ART 451/2 N4A | 132SB2 | 2.890 | 5,5 | 10,10 | 6.750 | 80 | 110 | 0,28 |
| ART 502/2 N4A | 132S2 | 2.890 | 7,5 | 13,90 | 6.100 | 85 | 144 | 0,48 |
| ART 501/2 N4A | 160M2 | 2.930 | 11,0 | 18,70 | 9.480 | 86 | 201 | 0,58 |
| ART 562/2 N4A | 160M2 | 2.930 | 11,0 | 18,70 | 21.160 | 87 | 221 | 0,75 |
| ART 561/2 N4A | 160M2 | 2.935 | 15,0 | 25,40 | 24.490 | 87 | 232 | 0,88 |
| ART 632/2 N4A | 180L2 | 2.940 | 22,0 | 39,00 | 12.060 | 88 | 307 | 1,13 |
| ART 631/2 N4A | 200L2 | 2.960 | 30,0 | 53,50 | 18.940 | 91 | 360 | 1,45 |
| ART 712/2 N4A | 200L2 | 2.960 | 37,0 | 65,60 | 17.100 | 92 | 439 | 2,00 |
| ART 711/2 N4A | 225M | 2.960 | 45,0 | 77,60 | 27.210 | 93 | 479 | 2,50 |
| ART 802/2 N4A | 280S2 | 2.960 | 75,0 | 126,00 | 24.120 | 94 | 602 | 3,80 |
| ART 801/2 N4A | 280M2 | 2.960 | 90,0 | 151,00 | 38.820 | 95 | 692 | 4,30 |
| ART 902/2 N4A | 315M2 | 2.970 | 132,0 | 220,00 | 34.200 | 97 | 937 | 6,00 |
| ART 901/2 N4A | 315M2 | 2.970 | 160,0 | 263,00 | 55.240 | 98 | 962 | 7,00 |
| 4 POLOS | | | | | | | | |
| ART 562/4 N4A | 90L4 | 1.410 | 1,5 | 3,15 | 5.780 | 67 | 128 | 0,75 |
| ART 561/4 N4A | 100L4 | 1.420 | 2,2 | 4,56 | 6.410 | 68 | 135 | 0,88 |
| ART 632/4 N4A | 100L4 | 1.420 | 3,0 | 6,15 | 5.830 | 70 | 140 | 1,13 |
| ART 631/4 N4A | 112M4 | 1.425 | 4,0 | 8,20 | 9.120 | 71 | 147 | 1,45 |
| ART 712/4 N4A | 112M4 | 1.425 | 4,0 | 8,20 | 8.230 | 73 | 245 | 2,00 |
| ART 711/4 N4A | 132S4 | 1.440 | 5,5 | 10,30 | 13.240 | 74 | 256 | 2,50 |
| ART 802/4 N4A | 132M4 | 1.450 | 7,5 | 13,90 | 11.820 | 76 | 330 | 3,80 |
| ART 801/4 N4A | 160M4 | 1.450 | 11,0 | 20,70 | 19.020 | 79 | 387 | 4,30 |
| ART 902/4 N4A | 160L4 | 1.450 | 15,0 | 28,40 | 16.700 | 80 | 477 | 6,00 |
| ART 901/4 N4A | 180L4 | 1.470 | 22,0 | 40,90 | 27.340 | 81 | 532 | 7,00 |
| ART 1002/4 N4A | 200L4 | 1.470 | 30,0 | 54,60 | 24.120 | 84 | 670 | 10,30 |
| ART 1001/4 N4A | 225S4 | 1.475 | 37,0 | 65,60 | 37.670 | 85 | 710 | 12,50 |
| ART 1122/4 N4A | 225M4 | 1.475 | 45,0 | 79,40 | 34.200 | 87 | 984 | 17,80 |
| ART 1121/4 N4A | 250M4 | 1.475 | 55,0 | 96,90 | 53.100 | 89 | 1.054 | 21,80 |
| ART 1252/4 N4A | 280S4 | 1.475 | 75,0 | 130,00 | 47.520 | 90 | 1.355 | 30,00 |
| ART 1251/4 N4A | 315S4 | 1.480 | 110,0 | 192,00 | 73.830 | 91 | 1.390 | 37,50 |
| ART 1402/4 N4A | 315M4 | 1.485 | 132,0 | 230,00 | 68.400 | 93 | 1.929 | 50,00 |
| ART 1401/4 N4A | 315M4 | 1.485 | 185,0 | 318,00 | 103.100 | 94 | 2.014 | 61,30 |
| 6 POLOS | | | | | | | | |
| ART 902/6 N4A | 132M6 | 960 | 4,0 | 7,30 | 11.050 | 69 | 387 | 6,00 |
| ART 901/6 N4A | 132M6 | 960 | 5,5 | 12,80 | 17.860 | 70 | 397 | 7,00 |
| ART 1002/6 N4A | 160M6 | 965 | 7,5 | 14,70 | 15.830 | 71 | 555 | 10,30 |
| ART 1001/6 N4A | 160L6 | 965 | 11,0 | 21,50 | 24.640 | 72 | 585 | 12,50 |
| ART 1122/6 N4A | 180L6 | 970 | 15,0 | 30,40 | 22.490 | 74 | 824 | 17,80 |
| ART 1121/6 N4A | 200L6 | 970 | 18,5 | 37,30 | 34.920 | 75 | 904 | 21,80 |
| ART 1252/6 N4A | 200L6 | 975 | 22,0 | 43,00 | 31.410 | 77 | 1.110 | 30,00 |
| ART 1251/6 N4A | 225M6 | 975 | 30,0 | 54,20 | 48.640 | 78 | 1.180 | 37,50 |
| ART 1402/6 N4A | 250M6 | 980 | 37,0 | 66,60 | 45.140 | 81 | 1.624 | 50,00 |
| ART 1401/6 N4A | 280M6 | 980 | 55,0 | 102,00 | 68.040 | 82 | 1.739 | 61,30 |

[1] Entubado en la descarga
Tolerancia del nivel de ruido de +3dB/A, medido en el punto de máxima eficiencia
[2] Con motor incluido y para orientación LG270 o RD270
[3] Momento de inercia del rodete

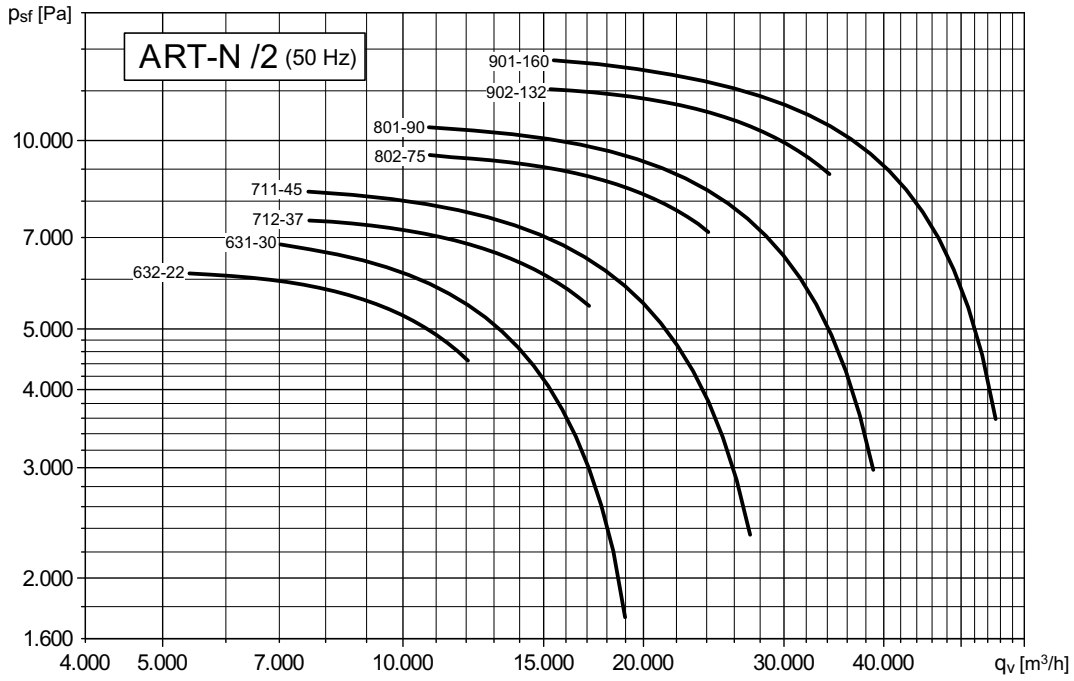
## CURVAS CARACTERÍSTICAS (a la descarga)

- Ventiladores ensayados con la aspiración y la descarga entubadas
- Caudal en $m^3/h$
- **Psf: Presión estática en Pa**
- Modelo - Potencia motor en kW
- Ejemplo: 561 - 15
  Modelo - kW

2 polos - Modelos desde 401 hasta 561



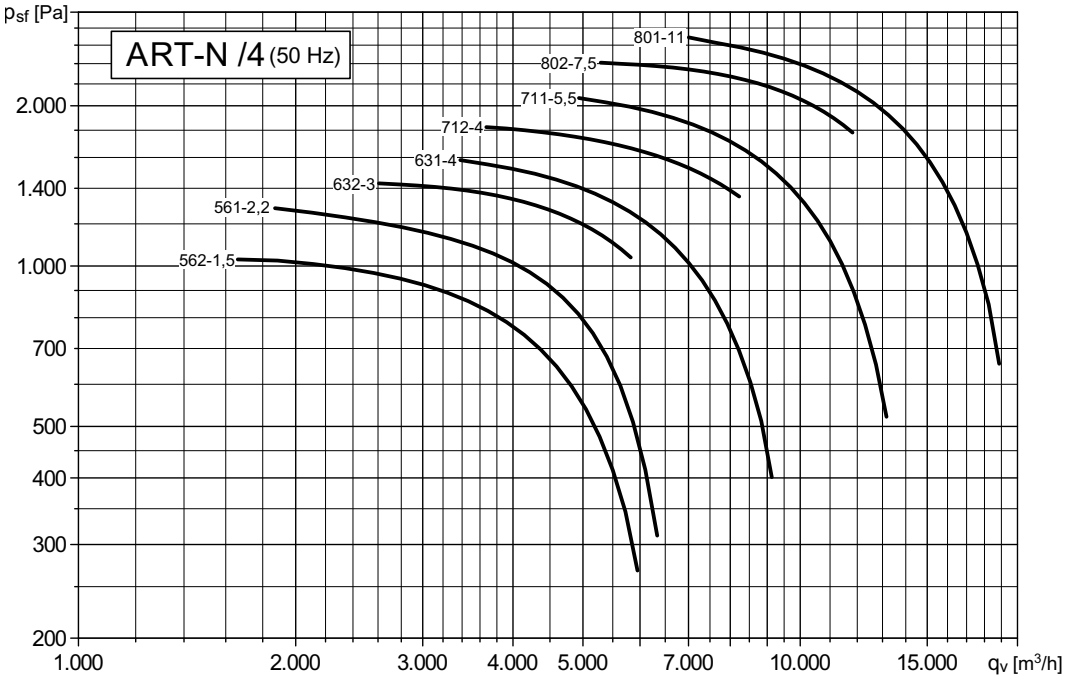

2 polos - Modelos desde 631 hasta 901



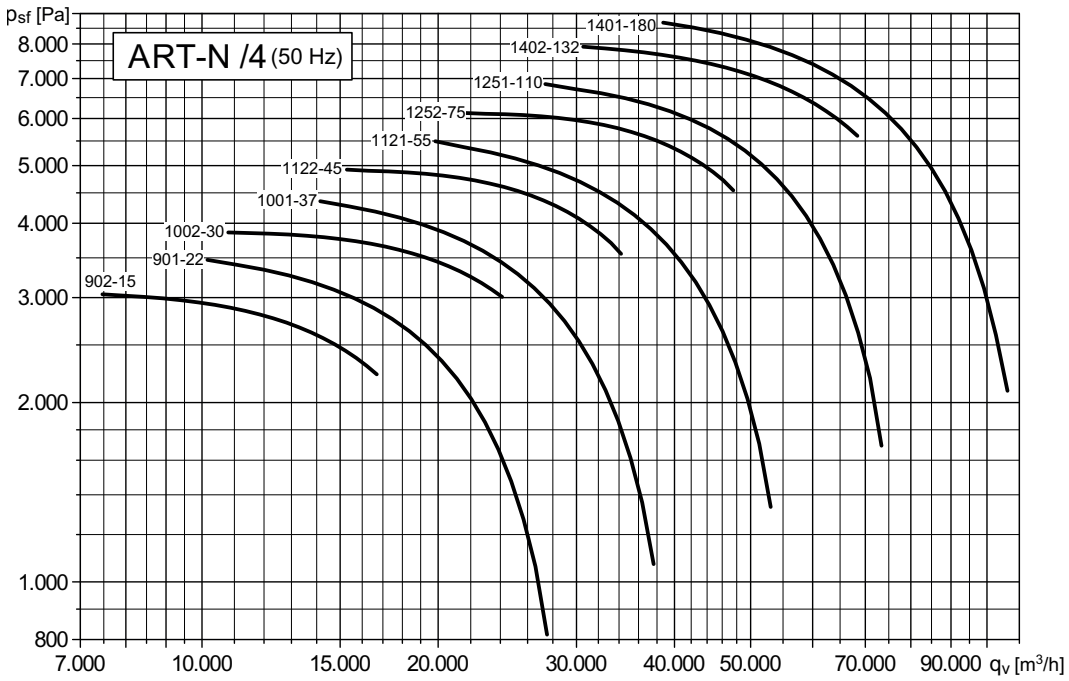
## CURVAS CARACTERÍSTICAS (a la descarga)

- Ventiladores ensayados con la aspiración y la descarga entubadas
- Caudal en $m^3/h$
- **Psf: Presión estática en Pa**
- Modelo - Potencia motor en kW
- Ejemplo: 801 - 11
  Modelo - kW

4 polos - Modelos desde 561 hasta 801



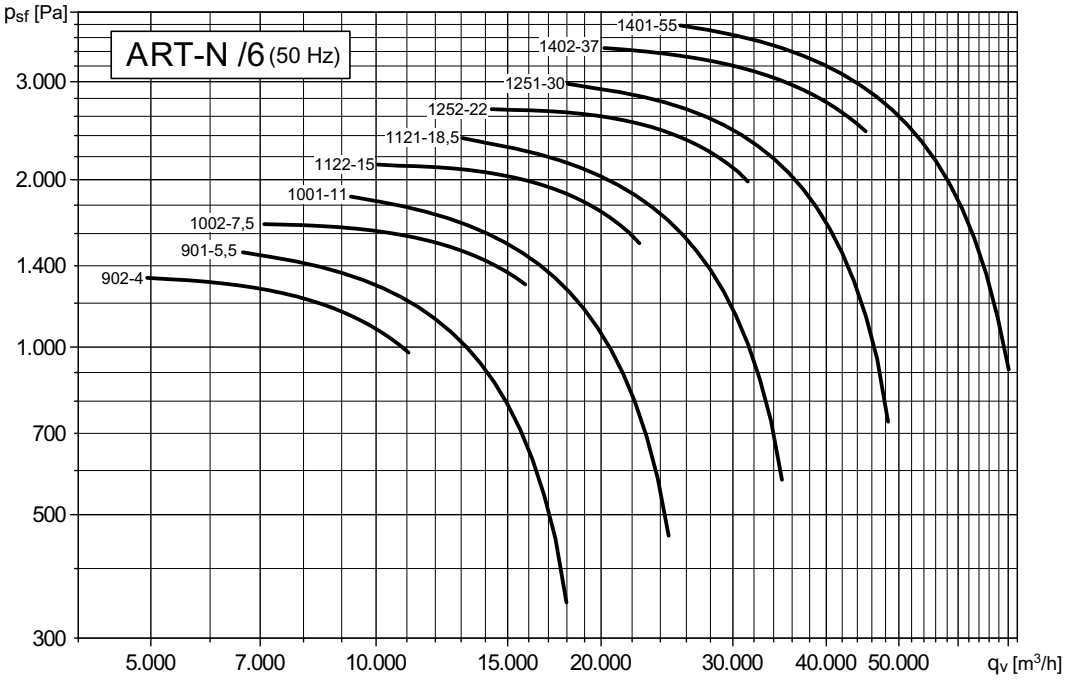

4 polos - Modelos desde 901 hasta 1401



## CURVAS CARACTERÍSTICAS (a la descarga)

- Ventiladores ensayados con la aspiración y la descarga entubadas
- Caudal en $m^3/h$
- **Psf: Presión estática en Pa**
- Modelo - Potencia motor en kW
- Ejemplo: 1251 - 30
  Modelo - kW

6 polos - Modelos desde 901 hasta 1401



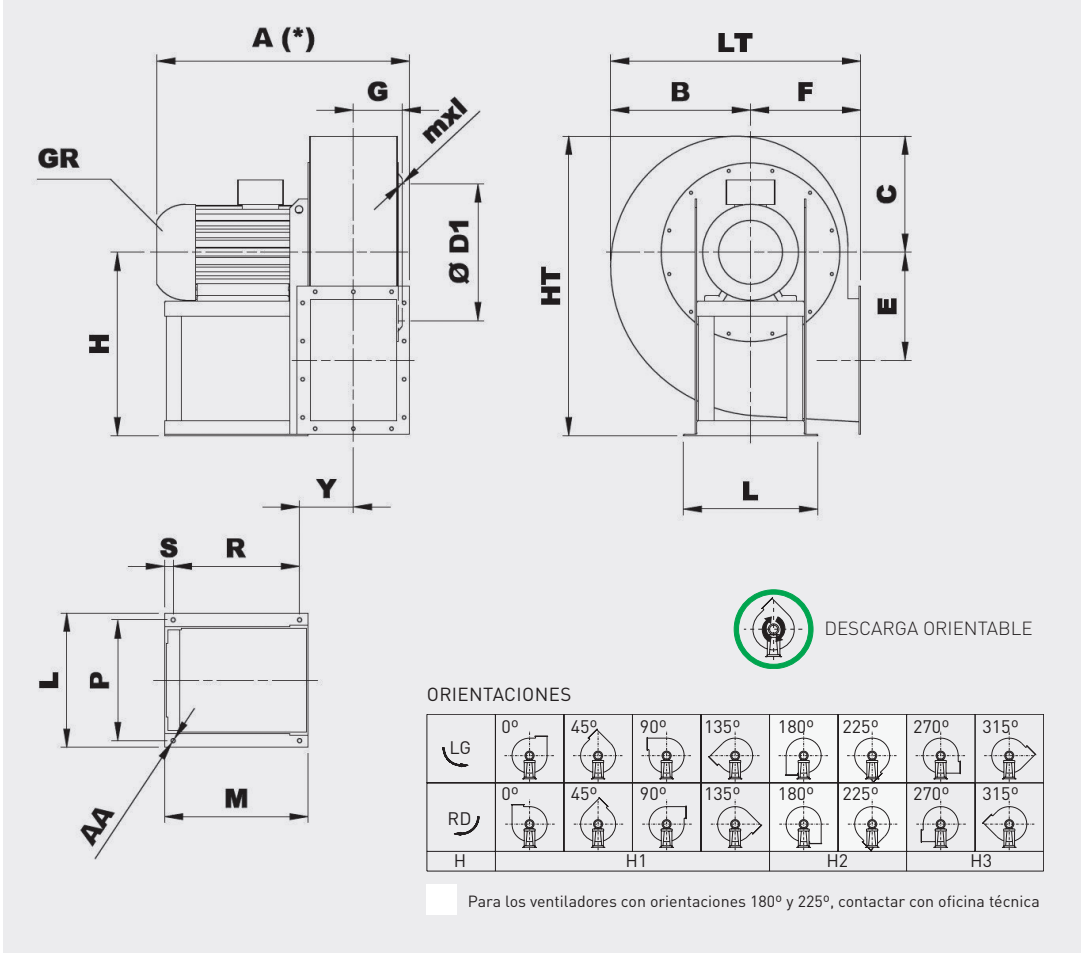
## DATOS ERP

| Modelo | PM | MC | EC | VSD | SR | η [%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ART 402 N4A | 2,2 | B | total | No | 1 | 71,7 | 78,6 | 2,218 | 3.087 | 1854 | 2850 |
| ART 401 N4A | 3,0 | B | total | No | 1 | 72,2 | 78,4 | 2,551 | 2.876 | 2304 | 2900 |
| ART 452 N4A | 4,0 | B | total | No | 1 | 74,2 | 78,5 | 3,888 | 4.109 | 2527 | 2910 |
| ART 451 N4A | 5,5 | B | total | No | 1 | 75,2 | 78,8 | 4,600 | 4.253 | 2930 | 2890 |
| ART 502 N4A | 7,5 | B | total | No | 1 | 76,5 | 78,5 | 6,558 | 5.560 | 3250 | 2890 |
| ART 501 N4A | 11,0 | B | total | No | 1 | 76,9 | 78,0 | 7,771 | 5.873 | 3661 | 2930 |
| ART 562 N4A | 11,0 | B | total | No | 1 | 75,1 | 75,1 | 10,757 | 7.644 | 3807 | 2930 |
| ART 561 N4A | 15,0 | B | total | No | 1 | 79,0 | 78,7 | 13,656 | 8.299 | 4680 | 2935 |
| ART 632 N4A | 22,0 | B | total | No | 1 | 79,5 | 78,8 | 20,839 | 12.120 | 4920 | 2940 |
| ART 631 N4A | 30,0 | B | total | No | 1 | 80,8 | 79,9 | 24,324 | 11.948 | 5922 | 2960 |
| ART 712 N4A | 37,0 | B | total | No | 1 | 81,0 | 79,7 | 35,772 | 15.318 | 6810 | 2960 |
| ART 711 N4A | 45,0 | B | total | No | 1 | 81,8 | 80,2 | 44,189 | 17.112 | 7604 | 2960 |
| ART 802 N4A | 75,0 | B | total | No | 1 | 82,1 | 80,0 | 67,294 | 23.895 | 8320 | 2960 |
| ART 801 N4A | 90,0 | B | total | No | 1 | 83,5 | 81,3 | 79,204 | 24.540 | 9698 | 2960 |
| ART 902 N4A | 132,0 | B | total | No | 1 | 81,0 | 78,3 | 117,753 | 31.046 | 11056 | 2970 |
| ART 901 N4A | 160,0 | B | total | No | 1 | 83,3 | 80,4 | 145,801 | 36.075 | 12122 | 2970 |
| ART 562 N4A | 1,5 | B | total | No | 1 | 70,9 | 79,9 | 1,389 | 3.789 | 936 | 1410 |
| ART 561 N4A | 2,2 | B | total | No | 1 | 74,2 | 82,3 | 1,674 | 4.037 | 1107 | 1420 |
| ART 632 N4A | 3,0 | B | total | No | 1 | 74,8 | 81,0 | 2,563 | 5.906 | 1168 | 1420 |
| ART 631 N4A | 4,0 | B | total | No | 1 | 76,6 | 82,1 | 3,001 | 5.843 | 1416 | 1425 |
| ART 712 N4A | 4,0 | B | total | No | 1 | 76,5 | 80,2 | 4,432 | 7.491 | 1629 | 1425 |
| ART 711 N4A | 5,5 | B | total | No | 1 | 78,0 | 80,7 | 5,561 | 8.441 | 1850 | 1440 |
| ART 802 N4A | 7,5 | B | total | No | 1 | 78,7 | 79,5 | 8,339 | 11.747 | 2011 | 1450 |
| ART 801 N4A | 11,0 | B | total | No | 1 | 80,2 | 80,2 | 9,895 | 12.106 | 2360 | 1450 |
| ART 902 N4A | 15,0 | B | total | No | 1 | 78,2 | 77,9 | 14,718 | 15.559 | 2664 | 1450 |
| ART 901 N4A | 22,0 | B | total | No | 1 | 80,4 | 79,8 | 18,134 | 17.796 | 2950 | 1470 |
| ART 1002 N4A | 30,0 | B | total | No | 1 | 81,0 | 80,0 | 27,183 | 23.126 | 3430 | 1475 |
| ART 1001 N4A | 37,0 | B | total | No | 1 | 82,5 | 81,3 | 31,251 | 25.113 | 3695 | 1475 |
| ART 1122 N4A | 45,0 | B | total | No | 1 | 82,7 | 81,2 | 44,964 | 31.700 | 4225 | 1475 |
| ART 1121 N4A | 55,0 | B | total | No | 1 | 83,2 | 81,4 | 53,884 | 35.331 | 4567 | 1475 |
| ART 1252 N4A | 75,0 | B | total | No | 1 | 84,2 | 82,0 | 78,975 | 45.143 | 5306 | 1475 |
| ART 1251 N4A | 110,0 | B | total | No | 1 | 85,0 | 82,6 | 93,299 | 47.990 | 5948 | 1480 |
| ART 1402 N4A | 132,0 | B | total | No | 1 | 84,9 | 82,0 | 139,413 | 67.944 | 6268 | 1485 |
| ART 1401 N4A | 185,0 | B | total | No | 1 | 85,0 | 82,0 | 161,990 | 66.995 | 7395 | 1485 |
| ART 902 N4A | 4,0 | B | total | No | 1 | 74,1 | 77,8 | 4,398 | 10.214 | 1148 | 960 |
| ART 901 N4A | 5,5 | B | total | No | 1 | 78,2 | 81,0 | 5,438 | 11.803 | 1298 | 960 |
| ART 1002 N4A | 7,5 | B | total | No | 1 | 78,5 | 79,5 | 8,021 | 15.235 | 1488 | 965 |
| ART 1001 N4A | 11,0 | B | total | No | 1 | 80,0 | 80,4 | 9,060 | 16.544 | 1576 | 965 |
| ART 1122 N4A | 15,0 | B | total | No | 1 | 80,6 | 80,4 | 13,399 | 20.991 | 1853 | 970 |
| ART 1121 N4A | 18,5 | B | total | No | 1 | 80,9 | 80,5 | 16,075 | 23.395 | 2002 | 970 |
| ART 1252 N4A | 22,0 | B | total | No | 1 | 82,8 | 82,0 | 23,442 | 29.943 | 2334 | 975 |
| ART 1251 N4A | 30,0 | B | total | No | 1 | 83,6 | 82,5 | 27,412 | 31.725 | 2599 | 975 |
| ART 1402 N4A | 37,0 | B | total | No | 1 | 83,6 | 82,1 | 41,485 | 45.144 | 2767 | 980 |
| ART 1401 N4A | 55,0 | B | total | No | 1 | 84,3 | 82,7 | 47,868 | 44.514 | 3265 | 980 |

**PM** Potencia del motor
**MC** Categoría de medición
**EC** Categoría de eficiencia
**VSD** Mando de regulación de velocidad: debe suministrarse con el ventilador
**SR** Relación específica
**η [%]** Eficiencia
**N** Grado de eficiencia
**[kW]** Potencia absorbida
**[m³/h]** Caudal
**[Pa]** Presión total
**[RPM]** Velocidad

## DIMENSIONES (mm)

Modelos desde 401 hasta 501

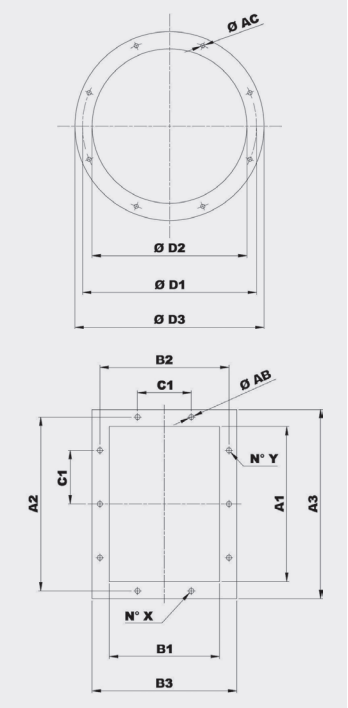



| Modelo | | | | | | | | | | | | | | | Base | | | | | | Ejecución 4B [1] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Motor GR | A* | B | C | ØD1 | E | F | G | H | | | HT | mxl | Y | LT | L | P | M | R | S | ØAA | A | Y | R | M |
| | | | | | | | | | H1 | H2 | H3 | | | | | | | | | | | | | | |
| ART 401/2 N4A | 100L2 | 500 | 375 | 330 | 292 | 319 | 285 | 104 | 500 | 285 | 500 | 830 | M8x20 | 118 | 660 | 324 | 289 | 295 | 249 | 23 | 12 | 545 | 118 | 249 | 295 |
| ART 402/2 N4A | 90L2 | 470 | 375 | 330 | 292 | 319 | 285 | 104 | 500 | 285 | 500 | 830 | M8x20 | 155 | 660 | 260 | 234 | 260 | 183 | 17 | 10 | 515 | 155 | 183 | 260 |
| ART 451/2 N4A | 132S2 | 580 | 425 | 370 | 332 | 357 | 320 | 111 | 560 | 320 | 560 | 930 | M8x20 | 130 | 745 | 372 | 337 | 360 | 314 | 23 | 12 | 678 | 130 | 314 | 360 |
| ART 452/2 N4A | 112M2 | 560 | 425 | 370 | 332 | 357 | 320 | 111 | 560 | 320 | 560 | 930 | M8x20 | 130 | 745 | 324 | 289 | 310 | 264 | 23 | 12 | 605 | 130 | 264 | 310 |
| ART 501/2 N4A | 160M2 | 720 | 470 | 410 | 366 | 395 | 360 | 125 | 600 | 360 | 600 | 1010 | M8x20 | 147 | 830 | 440 | 395 | 470 | 414 | 28 | 14 | 775 | 147 | 414 | 470 |
| ART 502/2 N4A | 132S2 | 630 | 470 | 410 | 366 | 395 | 360 | 125 | 600 | 360 | 600 | 1010 | M8x20 | 142 | 830 | 372 | 337 | 360 | 314 | 23 | 12 | 685 | 142 | 314 | 360 |

[1] Con rodete de refrigeración
* Según tamaño motor

## DIMENSIONES (mm)

Modelos desde 401 hasta 501




Brida aspiración

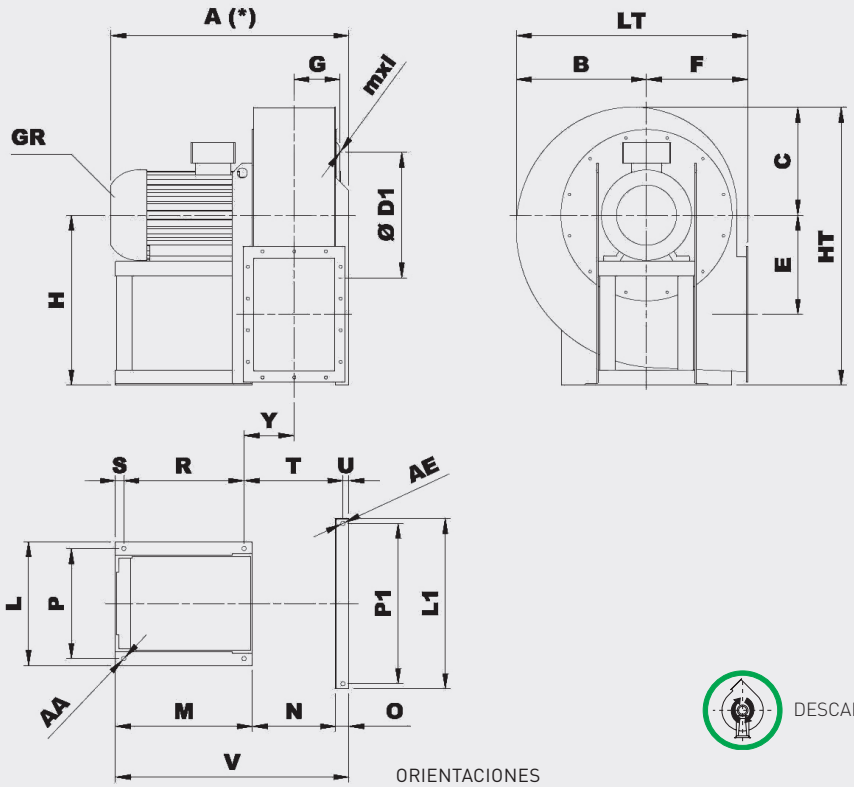
| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 401 | 250 | 292 | 254 | 324 | 10 | 8 |
| 451 | 280 | 332 | 285 | 365 | 10 | 8 |
| 501 | 315 | 366 | 320 | 400 | 10 | 8 |

Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 401 | 250x180 | 256 | 183 | 292 | 219 | 326 | 253 | 112 | 12 | 2+2 | 3+3 |
| 451 | 280x200 | 288 | 205 | 332 | 249 | 368 | 285 | 125 | 12 | 2+2 | 3+3 |
| 501 | 315x224 | 322 | 229 | 366 | 273 | 402 | 309 | 125 | 12 | 2+2 | 3+3 |

## DIMENSIONES (mm)

Modelos desde 561 hasta 631




DESCARGA ORIENTABLE

ORIENTACIONES

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LG | 0º | 45º | 90º | 135º | 180º | 225º | 270º | 315º |
| RD | 0º | 45º | 90º | 135º | 180º | 225º | 270º | 315º |
| H | H1 | | | | H2 | | H3 | |

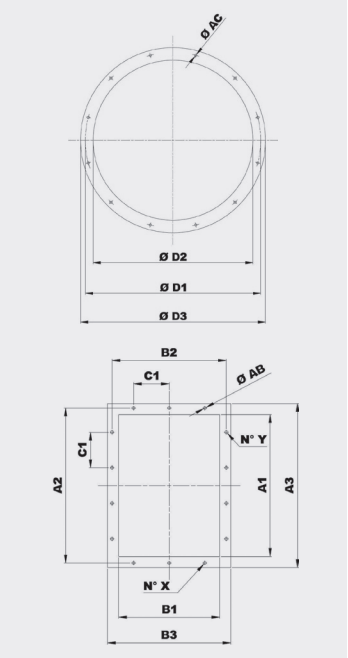
Para los ventiladores con orientaciones 180º y 225º, contactar con oficina técnica

| Modelo | | | | | | | | | | | | | | Base | | | | | | | | | | | | Ejecución 4B[1] | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Motor GR | A* | B | C | ØD1 | E | F | G | H | | | HT | mxl | Y | LT | L | P | L1 | P1 | M | N | O | R | S | T | U | V | ØAA | ØAE | A | Y | Q | R | M | T | V |
| | | | | | | | | | H1 | H2 | H3 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ART 561/2 N4A | 160M2 | 790 | 550 | 455 | 405 | 437 | 400 | 143 | 670 | 400 | - | 1125 | M8x20 | 160 | 950 | 440 | 395 | 672 | 632 | 470 | 263 | 52 | 414 | 28 | 320 | 23 | 785 | 14 | 17 | 845 | 160 | - | 414 | 470 | 320 | 785 |
| ART 561/4 N4A | 100L4 | 600 | 550 | 455 | 405 | 437 | 400 | 143 | 670 | 400 | - | 1125 | M8x20 | 155 | 950 | 324 | 289 | 672 | 632 | 295 | 263 | 52 | 249 | 23 | 315 | 23 | 610 | 12 | 17 | 645 | 155 | - | 249 | 295 | 315 | 610 |
| ART 562/2 N4A | 160M2 | 790 | 550 | 455 | 405 | 437 | 400 | 143 | 670 | 400 | - | 1125 | M8x20 | 160 | 950 | 440 | 395 | 672 | 632 | 470 | 263 | 52 | 414 | 28 | 320 | 23 | 785 | 14 | 17 | 845 | 160 | - | 414 | 470 | 320 | 785 |
| ART 562/4 N4A | 90L4 | 560 | 550 | 455 | 405 | 437 | 400 | 143 | 670 | 400 | - | 1125 | M8x20 | 192 | 950 | 260 | 234 | 672 | 632 | 260 | 263 | 52 | 183 | 17 | 352 | 23 | 575 | 10 | 17 | 605 | 192 | - | 183 | 260 | 352 | 575 |
| ART 631/2 N4A | 200L2 | 990 | 585 | 515 | 448 | 493 | 450 | 164 | 750 | 450 | 750 | 1265 | M8x20 | 229 | 1035 | 568 | 506 | 762 | 702 | 500 | 296 | 52 | 381 | 39 | 405 | 23 | 848 | 19 | 17 | 1045 | 284 | 152 | 381 | 555 | 460 | 903 |
| ART 631/4 N4A | 112M4 | 680 | 585 | 515 | 448 | 493 | 450 | 164 | 750 | 450 | 750 | 1265 | M8x20 | 172 | 1035 | 324 | 289 | 762 | 702 | 310 | 296 | 52 | 264 | 23 | 348 | 23 | 658 | 12 | 17 | 725 | 172 | - | 264 | 310 | 348 | 658 |
| ART 632/2 N4A | 180L2 | 970 | 585 | 515 | 448 | 493 | 450 | 164 | 750 | 450 | 750 | 1265 | M8x20 | 182 | 1035 | 488 | 434 | 762 | 702 | 540 | 296 | 52 | 474 | 33 | 358 | 23 | 888 | 17 | 17 | 1025 | 182 | - | 474 | 540 | 358 | 888 |
| ART 632/4 N4A | 100L4 | 640 | 585 | 515 | 448 | 493 | 450 | 164 | 750 | 450 | 750 | 1265 | M8x20 | 172 | 1035 | 324 | 289 | 762 | 702 | 295 | 296 | 52 | 249 | 23 | 348 | 23 | 643 | 12 | 17 | 685 | 172 | - | 249 | 295 | 348 | 643 |

[1] Con rodete de refrigeración
* Según tamaño motor

## DIMENSIONES (mm)

Modelos desde 561 hasta 631




Brida aspiración

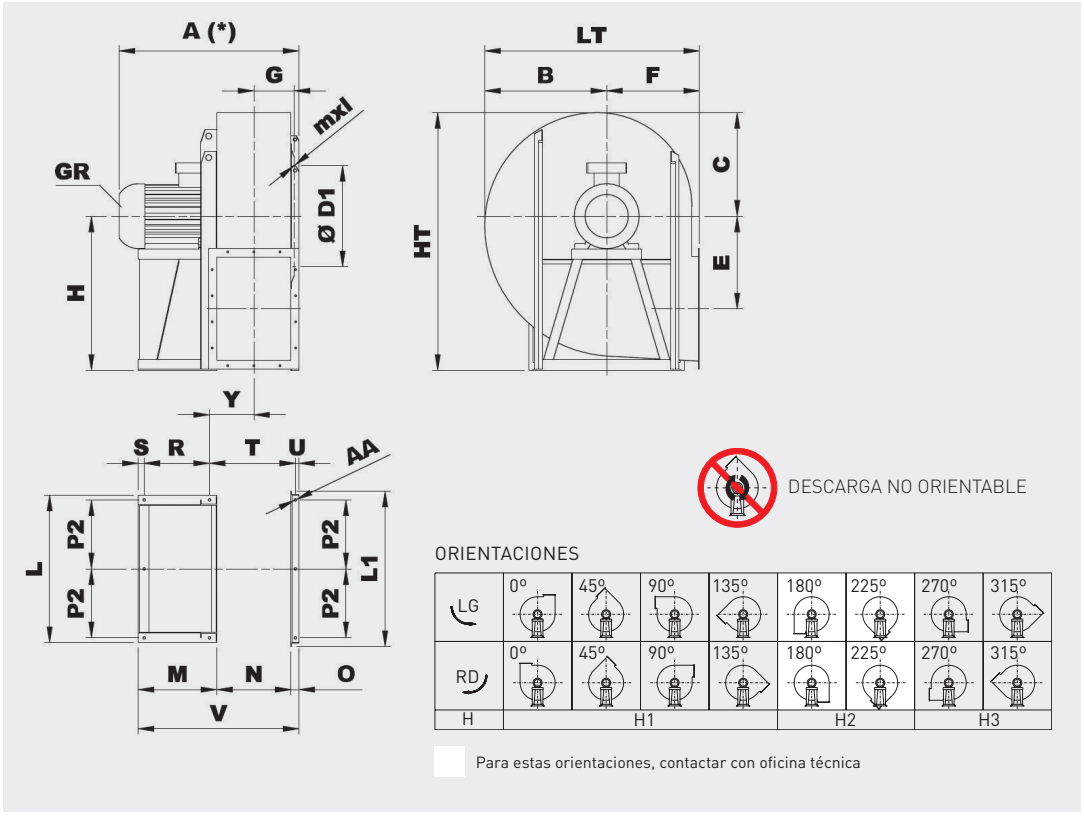
| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 561 | 355 | 405 | 360 | 440 | 10 | 8 |
| 631 | 400 | 448 | 405 | 485 | 10 | 12 |

Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 561 | 355x250 | 361 | 256 | 405 | 300 | 441 | 336 | 125 | 12 | 2+2 | 3+3 |
| 631 | 400x280 | 404 | 288 | 448 | 332 | 484 | 368 | 125 | 12 | 3+3 | 4+4 |

## DIMENSIONES (mm)

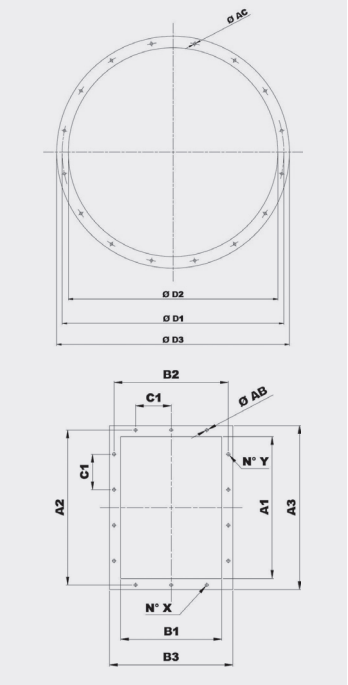
Modelos desde 711 hasta 1401




| Modelo | | | | | | | | | | | | | | | Base | | | | | | | | | | | | Ejecución 4B [1] | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Motor GR | A* | B | C | ØD1 | E | F | G | H | | | HT | mxl | Y | LT | L | L1 | M | N | O | P2 | R | S | T | U | V | ØAA | A | Y | R | M | T | V |
| | | | | | | | | | H1 | H2 | H3 | | | | | | | | | | | | | | | | | | | | | | |
| ART 711/2 N4A | 225M2 | 1110 | 730 | 565 | 497 | 558 | 500 | 181 | 670 | 500 | 850 | 1415 | M8x20 | 221 | 1230 | 836 | 896 | 540 | 322 | 60 | 386 | 441 | 39 | 415 | 27 | 922 | 19 | 1170 | 221 | 501 | 600 | 415 | 982 |
| ART 711/4 N4A | 132S4 | 750 | 730 | 565 | 497 | 558 | 500 | 181 | 670 | 500 | 850 | 1415 | M8x20 | 221 | 1230 | 836 | 896 | 362 | 322 | 60 | 386 | 263 | 39 | 415 | 27 | 744 | 19 | 805 | 221 | 263 | 362 | 415 | 744 |
| ART 712/2 N4A | 200L2 | 1050 | 730 | 565 | 497 | 558 | 500 | 181 | 670 | 500 | 850 | 1415 | M8x20 | 221 | 1230 | 836 | 896 | 500 | 322 | 60 | 386 | 401 | 39 | 415 | 27 | 882 | 19 | 1105 | 221 | 456 | 555 | 415 | 937 |
| ART 712/4 N4A | 112M4 | 730 | 730 | 565 | 497 | 558 | 500 | 181 | 670 | 500 | 850 | 1415 | M8x20 | 221 | 1230 | 836 | 896 | 314 | 322 | 60 | 386 | 215 | 39 | 415 | 27 | 696 | 19 | 775 | 221 | 215 | 314 | 415 | 696 |
| ART 801/2 N4A | 280M2 | 1320 | 810 | 630 | 551 | 625 | 560 | 200 | 750 | 560 | 950 | 1580 | M8x20 | 241 | 1370 | 926 | 986 | 690 | 361 | 60 | 431 | 591 | 39 | 454 | 27 | 1111 | 19 | 1410 | 241 | 681 | 780 | 454 | 1201 |
| ART 801/4 N4A | 160M4 | 920 | 810 | 630 | 551 | 625 | 560 | 200 | 750 | 560 | 950 | 1580 | M8x20 | 241 | 1370 | 926 | 986 | 471 | 361 | 60 | 431 | 372 | 39 | 454 | 27 | 892 | 19 | 975 | 241 | 372 | 471 | 454 | 892 |
| ART 802/2 N4A | 280S2 | 1320 | 810 | 630 | 551 | 625 | 560 | 200 | 750 | 560 | 950 | 1580 | M8x20 | 241 | 1370 | 926 | 986 | 690 | 361 | 60 | 431 | 591 | 39 | 454 | 27 | 1111 | 19 | 1410 | 241 | 681 | 780 | 454 | 1201 |
| ART 802/4 N4A | 132M4 | 830 | 810 | 630 | 551 | 625 | 560 | 200 | 750 | 560 | 950 | 1580 | M8x20 | 241 | 1370 | 926 | 986 | 362 | 361 | 60 | 431 | 263 | 39 | 454 | 27 | 783 | 19 | 885 | 241 | 263 | 362 | 454 | 783 |
| ART 901/2 N4A | 315M2 | 1320 | 900 | 705 | 629 | 703 | 630 | 227 | 850 | 630 | 1060 | 1765 | M8x20 | 262 | 1530 | 1026 | 1086 | 800 | 404 | 60 | 481 | 701 | 39 | 497 | 27 | 1264 | 19 | - | - | - | - | - | - |
| ART 901/4 N4A | 180L4 | 1020 | 900 | 705 | 629 | 703 | 630 | 227 | 850 | 630 | 1060 | 1765 | M8x20 | 262 | 1530 | 1026 | 1086 | 540 | 404 | 60 | 481 | 441 | 39 | 497 | 27 | 1004 | 19 | 1119 | 317 | 441 | 540 | 552 | 1004 |
| ART 901/6 N4A | 132M6 | 830 | 900 | 705 | 629 | 703 | 630 | 227 | 850 | 630 | 1060 | 1765 | M8x20 | 262 | 1530 | 1026 | 1086 | 362 | 404 | 60 | 481 | 263 | 39 | 497 | 27 | 826 | 19 | 830 | 262 | 263 | 362 | 497 | 826 |
| ART 902/2 N4A | 315M2 | 1320 | 900 | 705 | 629 | 703 | 630 | 227 | 850 | 630 | 1060 | 1765 | M8x20 | 262 | 1530 | 1026 | 1086 | 800 | 404 | 60 | 481 | 701 | 39 | 497 | 27 | 1264 | 19 | - | - | - | - | - | - |
| ART 902/4 N4A | 160L4 | 970 | 900 | 705 | 629 | 703 | 630 | 227 | 850 | 630 | 1060 | 1765 | M8x20 | 262 | 1530 | 1026 | 1086 | 471 | 404 | 60 | 481 | 372 | 39 | 497 | 27 | 935 | 19 | 1001 | 262 | 372 | 471 | 497 | 935 |
| ART 902/6 N4A | 132M6 | 830 | 900 | 705 | 629 | 703 | 630 | 227 | 850 | 630 | 1060 | 1765 | M8x20 | 262 | 1530 | 1026 | 1086 | 362 | 404 | 60 | 481 | 263 | 39 | 497 | 27 | 826 | 19 | 830 | 262 | 263 | 362 | 497 | 826 |
| ART 1001/4 N4A | 250M4 | 1303 | 973 | 795 | 698 | 791 | 710 | 251 | 950 | 710 | 1180 | 1975 | M8x25 | 282 | 1683 | 1128 | 1188 | 600 | 453 | 60 | 528 | 500 | 45 | 541 | 27 | 1113 | 19 | - | - | - | - | - | - |
| ART 1001/4 N4A | 225S4 | 1230 | 973 | 795 | 698 | 791 | 710 | 251 | 950 | 710 | 1180 | 1975 | M8x25 | 282 | 1683 | 1128 | 1188 | 540 | 453 | 60 | 528 | 440 | 45 | 541 | 27 | 1053 | 19 | 1307 | 282 | 520 | 620 | 541 | 1133 |
| ART 1001/6 N4A | 160L6 | 1060 | 973 | 795 | 698 | 791 | 710 | 251 | 950 | 710 | 1180 | 1975 | M8x25 | 282 | 1683 | 1128 | 1188 | 472 | 453 | 60 | 528 | 372 | 45 | 541 | 27 | 985 | 19 | - | - | - | - | - | - |
| ART 1002/4 N4A | 200L4 | 1180 | 973 | 795 | 698 | 791 | 710 | 251 | 950 | 710 | 1180 | 1975 | M8x25 | 282 | 1683 | 1128 | 1188 | 500 | 453 | 60 | 528 | 400 | 45 | 541 | 27 | 1013 | 19 | 1232 | 282 | 455 | 555 | 541 | 1068 |
| ART 1002/6 N4A | 160M6 | 1010 | 973 | 795 | 698 | 791 | 710 | 251 | 950 | 710 | 1180 | 1975 | M8x25 | 282 | 1683 | 1128 | 1188 | 472 | 453 | 60 | 528 | 372 | 45 | 541 | 27 | 985 | 19 | - | - | - | - | - | - |
| ART 1121/4 N4A | 250M4 | 1340 | 1125 | 895 | 775 | 891 | 800 | 278 | 1060 | 800 | 1320 | 2215 | M10x30 | 334 | 1925 | 1268 | 1348 | 600 | 507 | 80 | 589 | 475 | 45 | 632 | 35 | 1187 | 24 | 1442 | 334 | 540 | 665 | 632 | 1252 |
| ART 1121/6 N4A | 200L6 | 1250 | 1125 | 895 | 775 | 891 | 800 | 278 | 1060 | 800 | 1320 | 2215 | M10x30 | 334 | 1925 | 1268 | 1348 | 500 | 507 | 80 | 589 | 375 | 45 | 632 | 35 | 1087 | 24 | 1326 | 334 | 447 | 572 | 632 | 1159 |
| ART 1122/4 N4A | 225M4 | 1300 | 1125 | 895 | 775 | 891 | 800 | 278 | 1060 | 800 | 1320 | 2215 | M10x30 | 334 | 1925 | 1268 | 1348 | 540 | 507 | 80 | 589 | 415 | 45 | 632 | 35 | 1127 | 24 | 1366 | 334 | 483 | 608 | 632 | 1195 |
| ART 1122/6 N4A | 180L6 | 1190 | 1125 | 895 | 775 | 891 | 800 | 278 | 1060 | 800 | 1320 | 2215 | M10x30 | 334 | 1925 | 1268 | 1348 | 541 | 507 | 80 | 589 | 416 | 45 | 632 | 35 | 1128 | 24 | 1190 | 334 | 416 | 541 | 632 | 1128 |
| ART 1251/4 N4A | 315M4 | 1550 | 1220 | 1005 | 861 | 1003 | 900 | 314 | 1180 | 900 | 1500 | 2505 | M10x30 | 365 | 2120 | 1400 | 1480 | 816 | 569 | 80 | 655 | 691 | 45 | 694 | 35 | 1465 | 24 | - | - | - | - | - | - |
| ART 1251/4 N4A | 315S4 | 1550 | 1220 | 1005 | 861 | 1003 | 900 | 314 | 1180 | 900 | 1500 | 2505 | M10x30 | 365 | 2120 | 1400 | 1480 | 816 | 569 | 80 | 655 | 691 | 45 | 694 | 35 | 1465 | 24 | 1698 | 365 | 754 | 879 | 694 | 1528 |
| ART 1251/6 N4A | 225M6 | 1360 | 1220 | 1005 | 861 | 1003 | 900 | 314 | 1180 | 900 | 1500 | 2505 | M10x30 | 365 | 2120 | 1400 | 1480 | 540 | 569 | 80 | 655 | 415 | 45 | 694 | 35 | 1189 | 24 | - | - | - | - | - | - |
| ART 1252/4 N4A | 280S4 | 1540 | 1220 | 1005 | 861 | 1003 | 900 | 314 | 1180 | 900 | 1500 | 2505 | M10x30 | 365 | 2120 | 1400 | 1480 | 690 | 569 | 80 | 655 | 565 | 45 | 694 | 35 | 1339 | 24 | 1574 | 365 | 625 | 750 | 694 | 1399 |
| ART 1252/6 N4A | 200L6 | - | 1220 | 1005 | - | - | - | - | 1180 | 900 | 1500 | 2505 | - | - | 2120 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| ART 1401/4 N4A | 315M4 | 1620 | 1395 | 1115 | 958 | 1116 | 1000 | 349 | 1320 | 1000 | 1700 | 2815 | M10x30 | 419 | 2395 | 1560 | 1640 | 800 | 638 | 80 | 725 | 645 | 55 | 783 | 35 | 1518 | 24 | 1764 | 419 | 721 | 876 | 783 | 1594 |
| ART 1401/6 N4A | 280M6 | 1620 | 1395 | 1115 | 958 | 1116 | 1000 | 349 | 1320 | 1000 | 1700 | 2815 | M10x30 | 419 | 2395 | 1560 | 1640 | 690 | 638 | 80 | 725 | 535 | 55 | 783 | 35 | 1408 | 24 | 1660 | 419 | 611 | 766 | 783 | 1484 |
| ART 1402/4 N4A | 315M4 | 1620 | 1395 | 1115 | 958 | 1116 | 1000 | 349 | 1320 | 1000 | 1700 | 2815 | M10x30 | 419 | 2395 | 1560 | 1640 | 800 | 638 | 80 | 725 | 645 | 55 | 783 | 35 | 1518 | 24 | 1764 | 419 | 721 | 876 | 783 | 1594 |
| ART 1402/6 N4A | 250M6 | 1460 | 1395 | 1115 | 958 | 1116 | 1000 | 349 | 1320 | 1000 | 1700 | 2815 | M10x30 | 389 | 2395 | 1560 | 1640 | 600 | 638 | 80 | 725 | 475 | 55 | 753 | 35 | 1318 | 24 | - | - | - | - | - | - |

[1] Con rodete de refrigeración
* Según tamaño motor

## DIMENSIONES (mm)




Brida aspiración

| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 711 | 450 | 497 | 455 | 535 | 10 | 12 |
| 801 | 500 | 551 | 505 | 585 | 10 | 12 |
| 901 | 560 | 629 | 566 | 666 | 10 | 12 |
| 1001 | 630 | 698 | 636 | 736 | 10 | 12 |
| 1121 | 710 | 775 | 716 | 816 | 12 | 16 |
| 1251 | 800 | 861 | 806 | 906 | 12 | 16 |
| 1401 | 900 | 958 | 906 | 1006 | 12 | 16 |

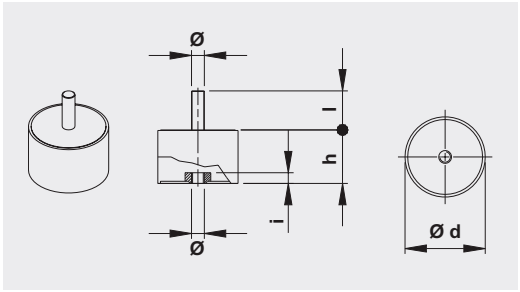
Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 711 | 450x315 | 453 | 322 | 497 | 366 | 533 | 402 | 125 | 12 | 3+3 | 4+4 |
| 801 | 500x355 | 507 | 361 | 551 | 405 | 587 | 441 | 125 | 12 | 3+3 | 4+4 |
| 901 | 560x400 | 569 | 404 | 629 | 464 | 669 | 504 | 160 | 14 | 3+3 | 4+4 |
| 1001 | 630x450 | 638 | 453 | 698 | 513 | 738 | 553 | 160 | 14 | 3+3 | 4+4 |
| 1121 | 710x500 | 715 | 507 | 775 | 567 | 815 | 607 | 160 | 14 | 3+3 | 5+5 |
| 1251 | 800x560 | 801 | 569 | 871 | 639 | 921 | 689 | 200 | 14 | 3+3 | 4+4 |
| 1401 | 900x630 | 898 | 638 | 968 | 708 | 1018 | 758 | 200 | 14 | 4+4 | 5+5 |

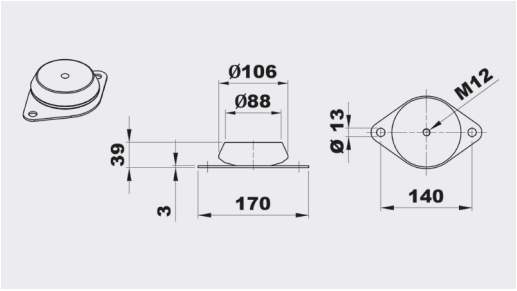
## AMORTIGUADORES

Amortiguadores recomendados

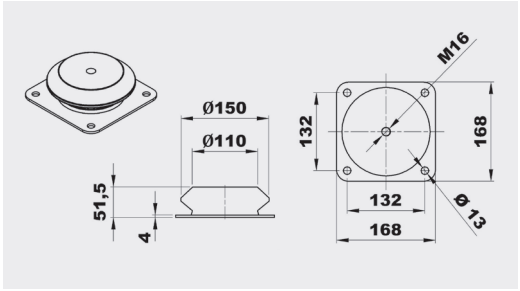
| Ventilador | Ejecución 4 |
|---|---|
| 401/2 | 4 x AM 30 - 30x30 |
| 451/2 | 4 x AM 30 - 30x30 |
| 501/2 | 4 x AM 40 - 40x30 |
| 561/2 | 4 x AM 50 - 50x40 |
| 631/2 | 4 x AM 50 - 50x40 |
| 711/2 | 4 x AM 75 - 75x50 |
| 801/2 | 4 x AM 75 - 75x50 |
| 901/2 | 4 x AM 75 - 75x50 |
| 1001/2 | 6 x AM 75 - 75x50 |
| 1121/2 | 6 x AZ 39 - 140x39 |
| 1251/2 | 6 x AZ 39 - 140x39 |
| 1401/2 | 6 x AZ 51 - 132x51 |




| Tipo | Carga para 4 soportes (kg) | d | h | Ø | l | Peso (kg) |
|---|---|---|---|---|---|---|
| AM 30 | 81÷140 | 30 | 30 | M8 | 20 | 0,05 |
| AM 40 | 141÷224 | 40 | 30 | M8 | 23 | 0,10 |
| AM 50 | 225÷315 | 50 | 40 | M10 | 28 | 0,20 |
| AM 75 | 316÷630 | 75 | 50 | M12 | 37 | 0,50 |

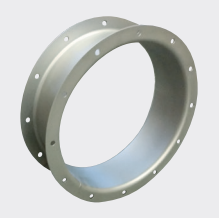



| Tipo | Carga para 4 soportes (kg) | Peso (kg) |
|---|---|---|
| AZ 39 | 631÷1250 | 0,7 |

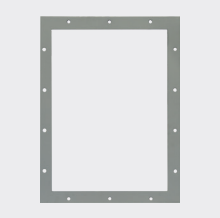



| Tipo | Carga para 4 soportes (kg) | Peso (kg) |
|---|---|---|
| AZ 51 | 1251÷2500 | 1,8 |

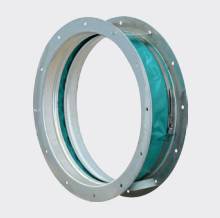
## ACCESORIOS



**CA (CFH1) - CFH2 - CFH3**
Contrabrida - Brida plana circular.



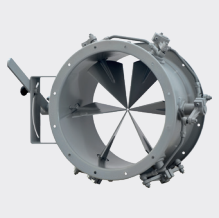
**CP**
Brida plana rectangular.



**GA**
Junta flexible aspiración.



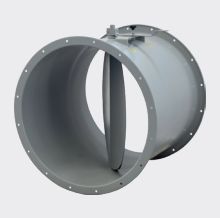
**GP**
Junta flexible descarga.



**DP**
Regulador de caudal de aspiración.



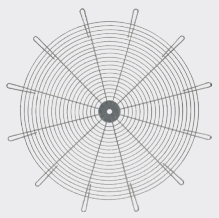
**SAD**
Compuerta de regulación de caudal de descarga.



**SF**
Vávula mariposa.



**DF**
Filtro en la aspiración.



**RC**
Rejilla de protección para la aspiración.



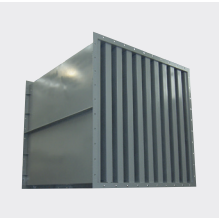
**AM/AZ**
Soportes antivibratorios.



**SCSO**
Silenciador cilíndrico.



**SCCO**
Silenciador cilíndrico con bulbo.



**SASS**
Silenciador rectangular.



**CI**
Cabina de insonorización.

Ver información completa en página **772**.

# ART

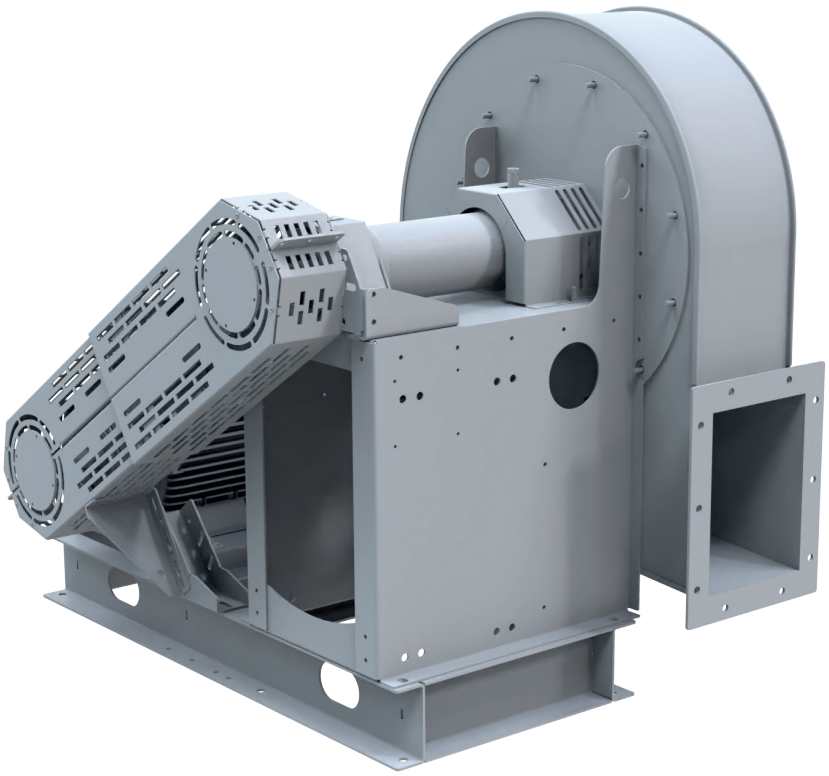
## VENTILADORES CENTRÍFUGOS DE MEDIA PRESIÓN

*TRANSMISIÓN*

ErP OK

Silent Kit*

Ventilador centrífugo con accionamiento por poleas y correas y simple aspiración. Fabricados en chapa de acero protegida contra la corrosión mediante tratamiento por cataforesis + pintura poliuretana. Temperaturas del aire a transportar -20ºC/+100ºC en continuo.



APLICACIONES

**Aire a transportar**
Polvoriento
(ambiente industrial)

**Cantidad de polvo (mg/m³)**
<500



Rodete de álabes curvados hacia atrás

### Sistemas de montaje

- SISTEMA 1: eje libre, para acoplamiento mediante poleas y correas.
- SISTEMA 9: incluye motor, poleas, correas y protector de correas. Motor montado en el lateral del pie soporte rodamientos.
- SISTEMA 12: incluye motor, poleas, correas y protector de correas. Motor montado sobre la bancada general.

### Motores

De 2, 4 o 6 polos, de alta eficiencia IE 3* (las r.p.m. de cada motor se adaptarán al cálculo de cada transmisión), tensión de alimentación trifásica 230/400V 50Hz hasta tamaño motor 112 y 400/690V 50Hz para motores de mayor dimensión. Protección IP55, Clase F.

* Entre 75 y 200kW, los motores suministrados serán IE4.

### Bajo pedido

- Fabricación en diferentes materiales constructivos.
- Motores de 2 velocidades.
- Versiones de 60 Hz.
- Pintura en diferentes RAL.
- Versión para alta temperatura: hasta 300ºC (versiones B: con rodete de refrigeración).
- Trampilla de inspección, purga de drenaje, distintos tipos de estanqueidad a nivel de voluta y de paso de eje.
- Ventiladores estancos.
- Calorifugado.

### Versiones ATEX

Bajo pedido, versiones antiexplosivas según la Directiva ATEX para modelos trifásicos:
Para trabajar a temperaturas de -20ºC a +60ºC, presión ambiente (absoluta) de 0,8 bar hasta 1,1 bar, según EN 14986.

- Gas:
  - Ex 2G IIB T2-T3
  - Ex 2G IIB+H2 T2-T3
  - Ex 3G IIB T2-T3
  - Ex 3G IIB+H2 T2-T3
- Polvo no conductivo:
  - Ex 2D IIIB T195°C-T295°C
  - Ex 3D IIIB T195°C-T295°C
- Polvo conductivo (con motor IP65 IIIC):
  - Ex 2D IIIC T195°C-T295°C
  - Ex 3D IIIC T195°C-T295°C

*Silent Kit opcional.

## CARACTERÍSTICAS TÉCNICAS

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación.

| Modelo | Caudal máximo ($m^3/h$) | Potencia motor máxima (kW) | Peso (kg)[1] | Momento de inercia ($kg \cdot m^2$)[2] |
|---|---|---|---|---|
| ART 401 N1A | 9.070 | 15,0 | 76 | 0,18 |
| ART 451 N1A | 11.620 | 18,5 | 91 | 0,28 |
| ART 501 N1A | 14.400 | 22,0 | 132 | 0,58 |
| ART 561 N1A | 17.840 | 30,0 | 170 | 0,88 |
| ART 631 N1A | 22.750 | 37,0 | 205 | 1,45 |
| ART 711 N1A | 28.800 | 45,0 | 267 | 2,50 |
| ART 801 N1A | 36.430 | 55,0 | 326 | 4,30 |
| ART 901 N1A | 46.800 | 75,0 | 392 | 7,00 |
| ART 1001 N1A | 57.130 | 90,0 | 510 | 12,50 |
| ART 1121 N1A | 71.925 | 110,0 | 785 | 21,80 |
| ART 1251 N1A | 89.280 | 132,0 | 991 | 37,50 |
| ART 1401 N1A | 114.480 | 160,0 | 1.401 | 61,30 |
| ART 1601 N1A | 144.000 | 200,0 | 1.802 | 105,00 |
| ART 1801 N1A | 186.840 | 250,0 | 2.642 | 180,00 |
| ART 2001 N1A | 230.400 | 315,0 | 3.204 | 280,00 |

[1] Para ejecución 1 y orientación LG270 o RD270
[2] Momento de inercia del rodete

SOPORTES SISTEMA 1

| Modelo | 401-451 | 501 | 561-631 | 711 | 801-901 |
|---|---|---|---|---|---|
| Soporte tipo | ST 90 AL38 | ST 100 AL42 | ST 110 AL48 | ST 120 BL48 | ST 130 BL55 |

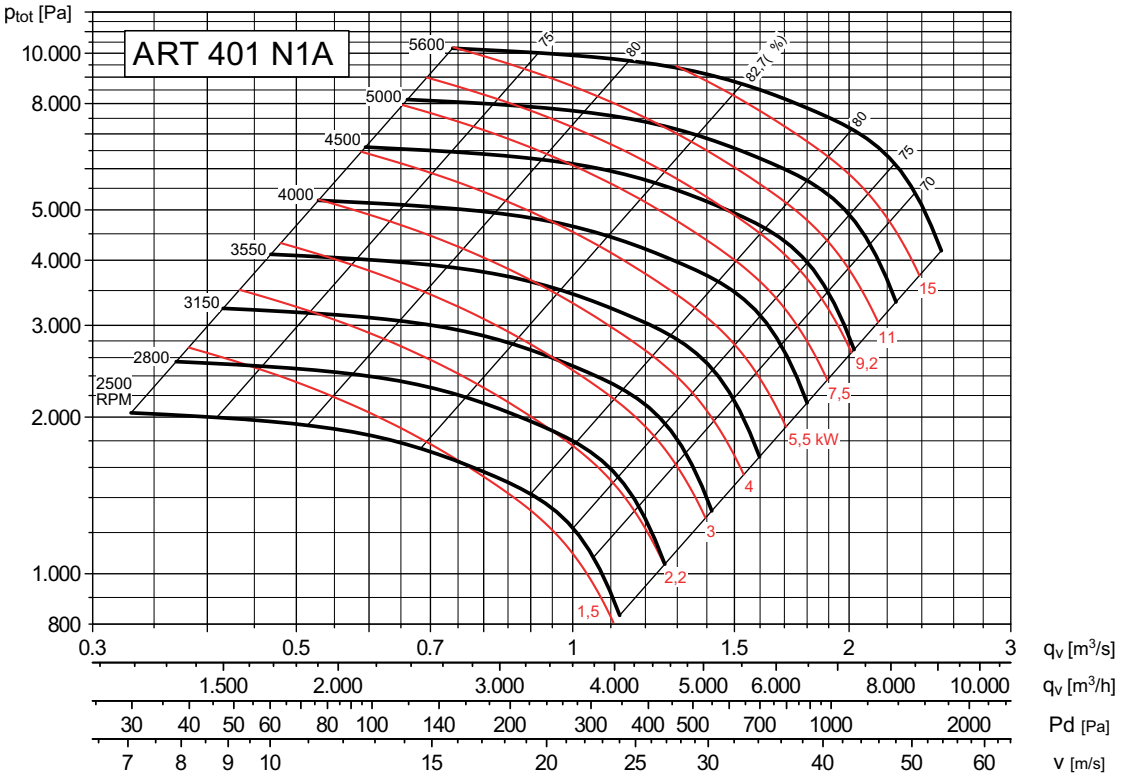
| Modelo | 1001 | 1121-1251 | 1401 | 1601 | 1801-2001 |
|---|---|---|---|---|---|
| Soporte tipo | SN 516 BL65 | SN 518 BL75 | SN 520 B/BL80 | SN 522 B/BL90 | SN 524 B/BL100 |

MOTORES SISTEMA 9

| Modelo | 401-451 | 501-631 | 711-901 | 1001-2001 |
|---|---|---|---|---|
| Tamaño motor | ≤ 132 M2 | ≤ 160 L2-4 | ≤ 180 L2-4 | ≤ 200 M2-4-6 |

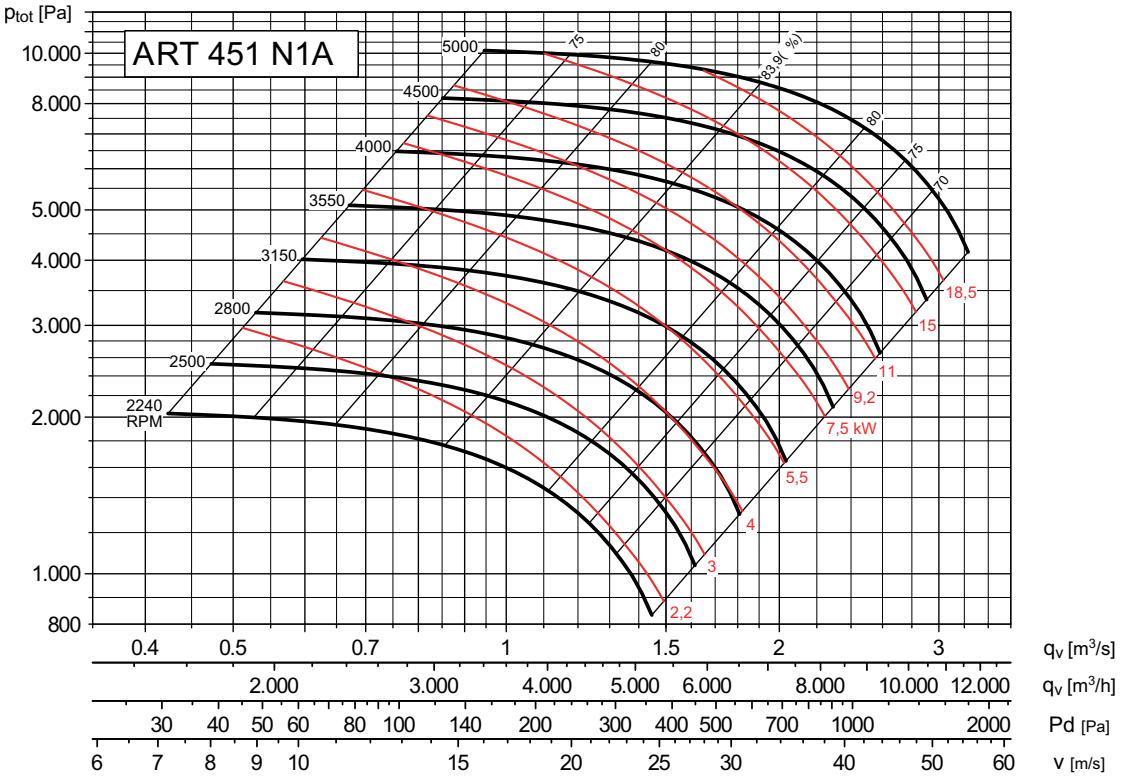
## CURVAS CARACTERÍSTICAS (a la descarga)

**- Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 5600 rpm
101 ÷ 220°C = 5300 rpm
201 ÷ 300°C = 4750 rpm

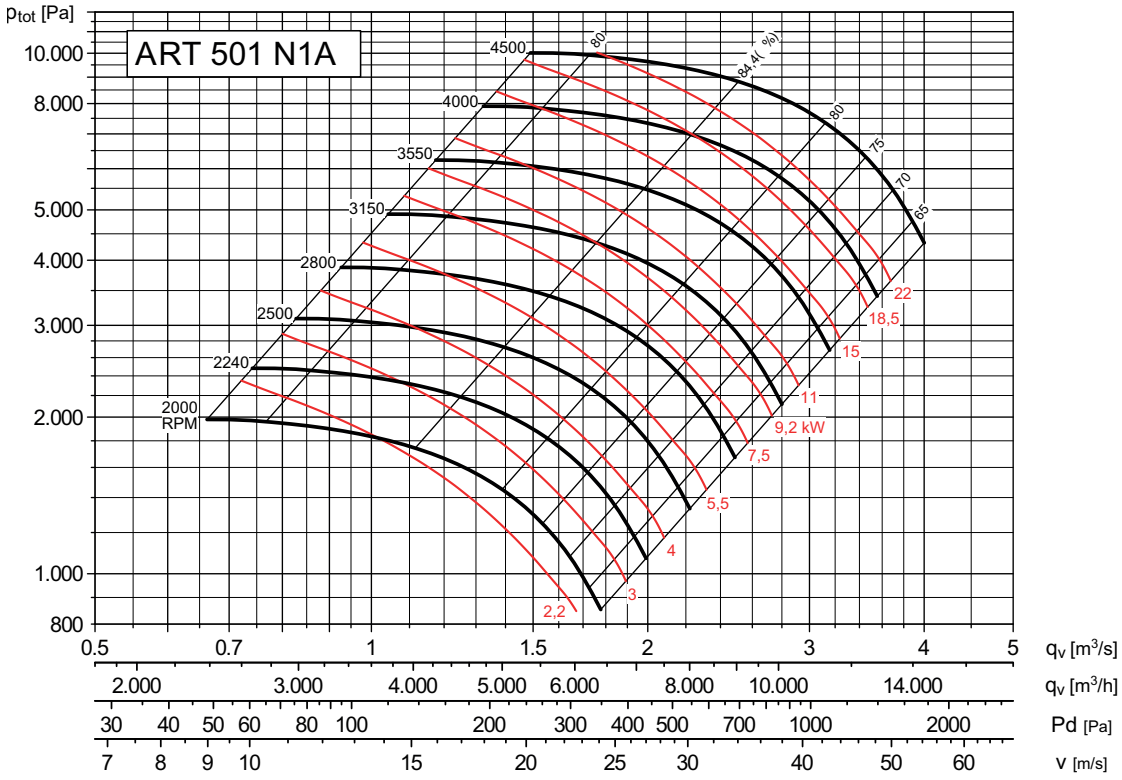



MAX. RPM

≤ 100°C = 5300 rpm
101 ÷ 220°C = 4750 rpm
201 ÷ 300°C = 4250 rpm

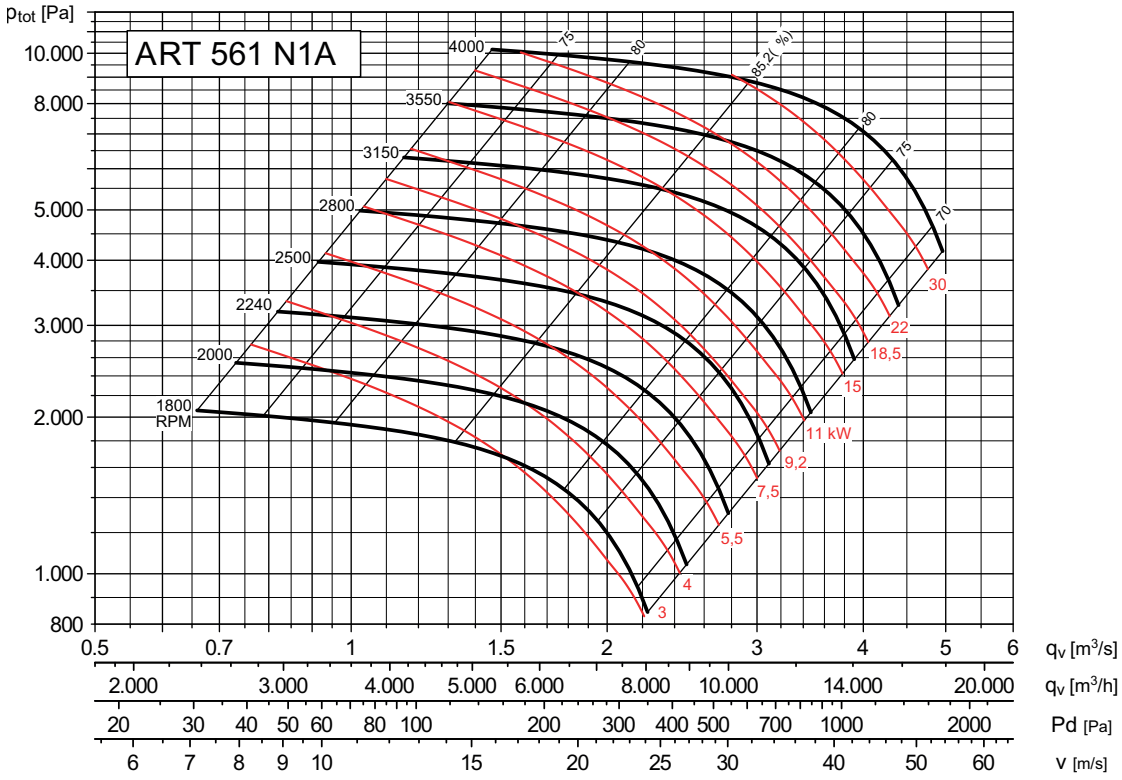
## CURVAS CARACTERÍSTICAS (a la descarga)

**- Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 4750 rpm
101 ÷ 220°C = 4250 rpm
201 ÷ 300°C = 3750 rpm

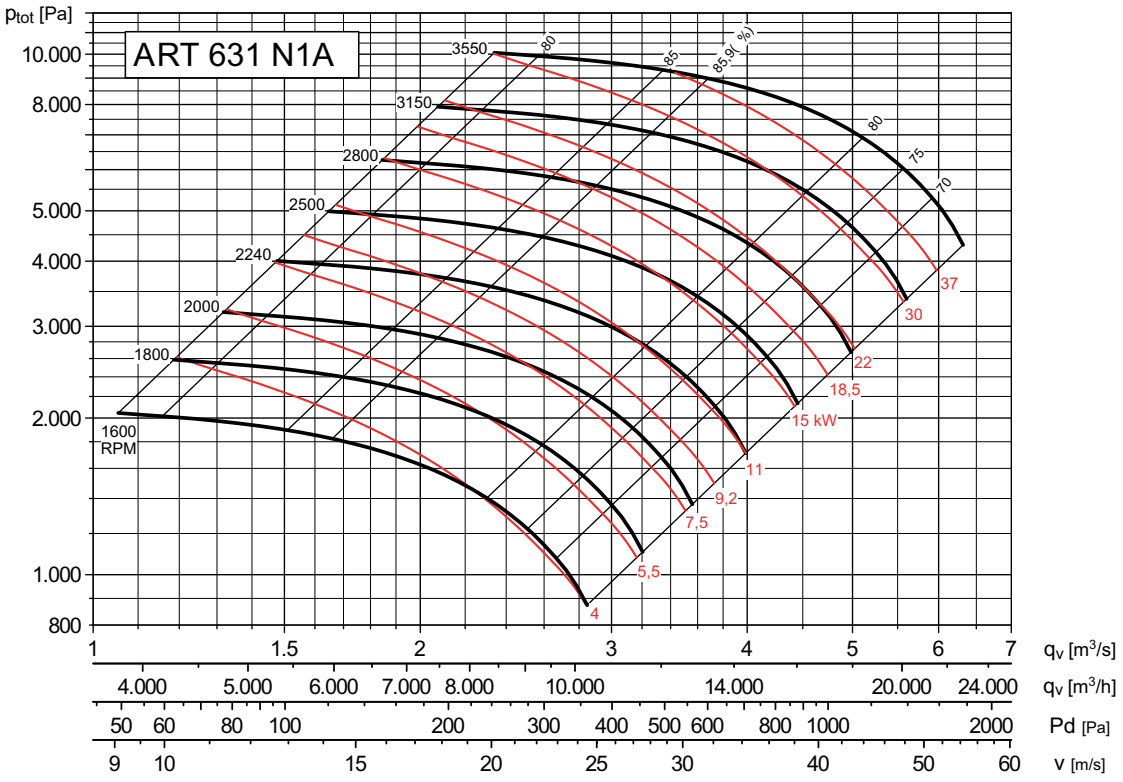



MAX. RPM

≤ 100°C = 4250 rpm
101 ÷ 220°C = 3750 rpm
201 ÷ 300°C = 3350 rpm

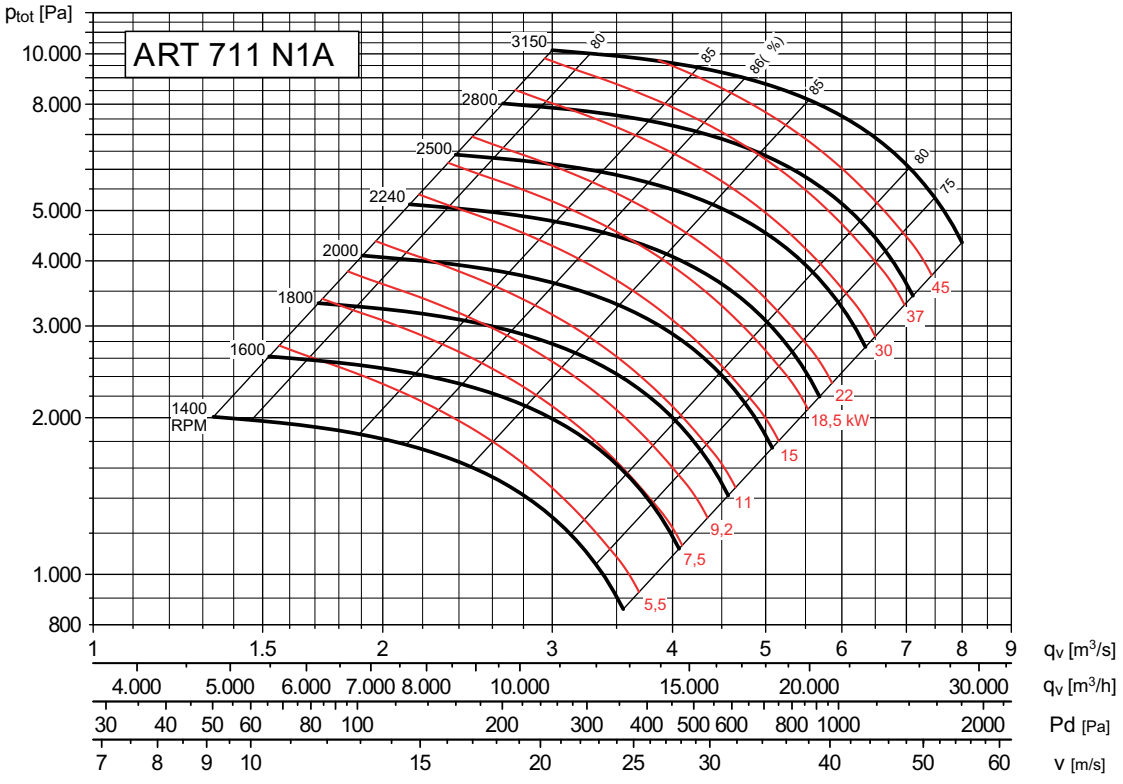
## CURVAS CARACTERÍSTICAS (a la descarga)

**- Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 3750 rpm
101 ÷ 220°C = 3350 rpm
201 ÷ 300°C = 3000 rpm

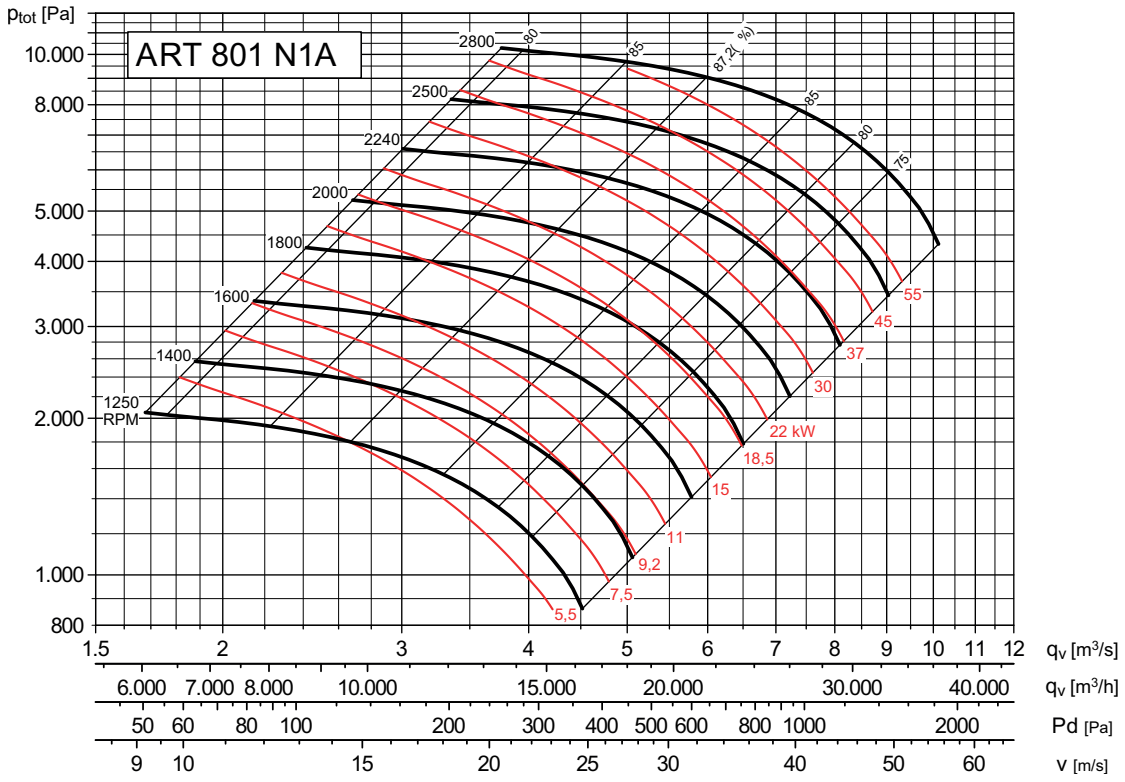



MAX. RPM

≤ 100°C = 3350 rpm
101 ÷ 220°C = 3000 rpm
201 ÷ 300°C = 2650 rpm

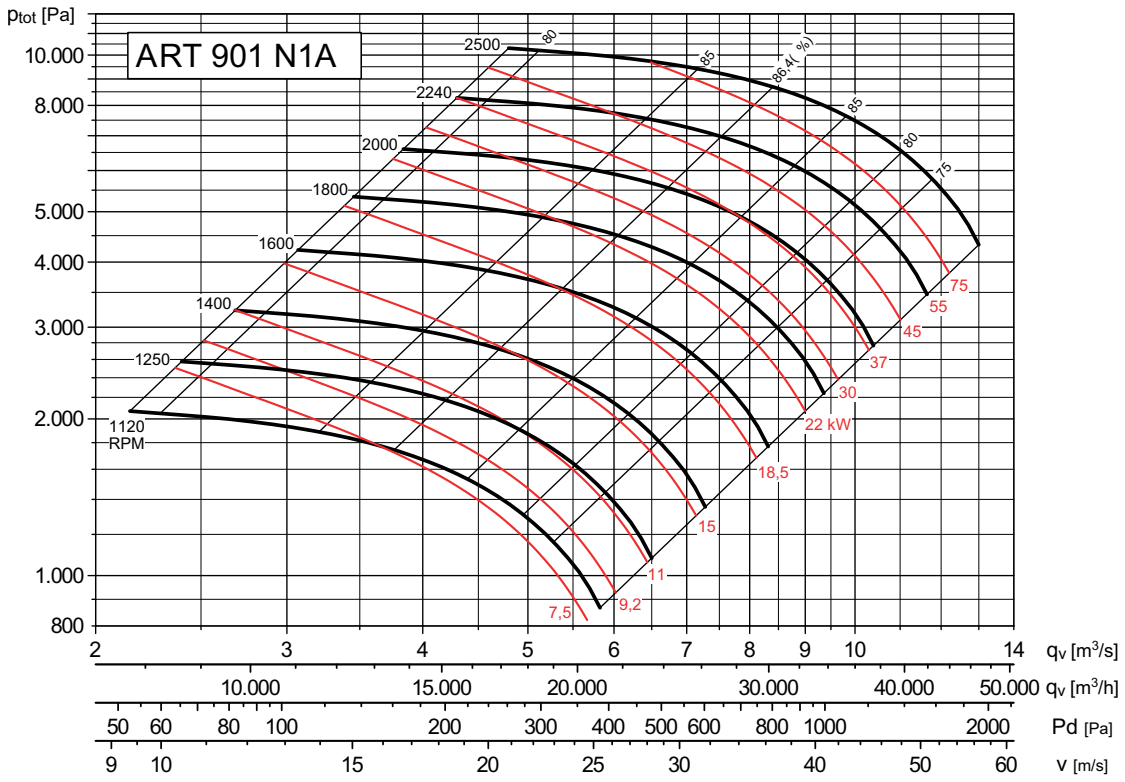
## CURVAS CARACTERÍSTICAS (a la descarga)

**- Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 3000 rpm
101 ÷ 220°C = 2650 rpm
201 ÷ 300°C = 2360 rpm

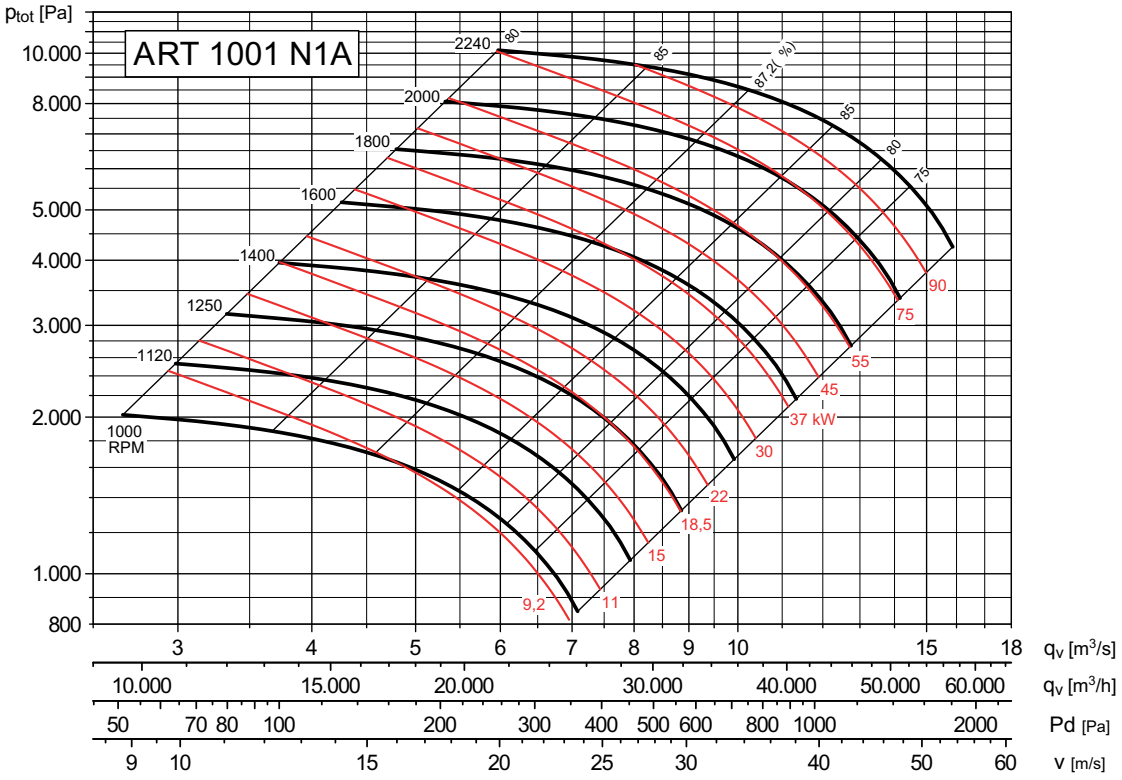



MAX. RPM

≤ 100°C = 2650 rpm
101 ÷ 220°C = 2360 rpm
201 ÷ 300°C = 2120 rpm

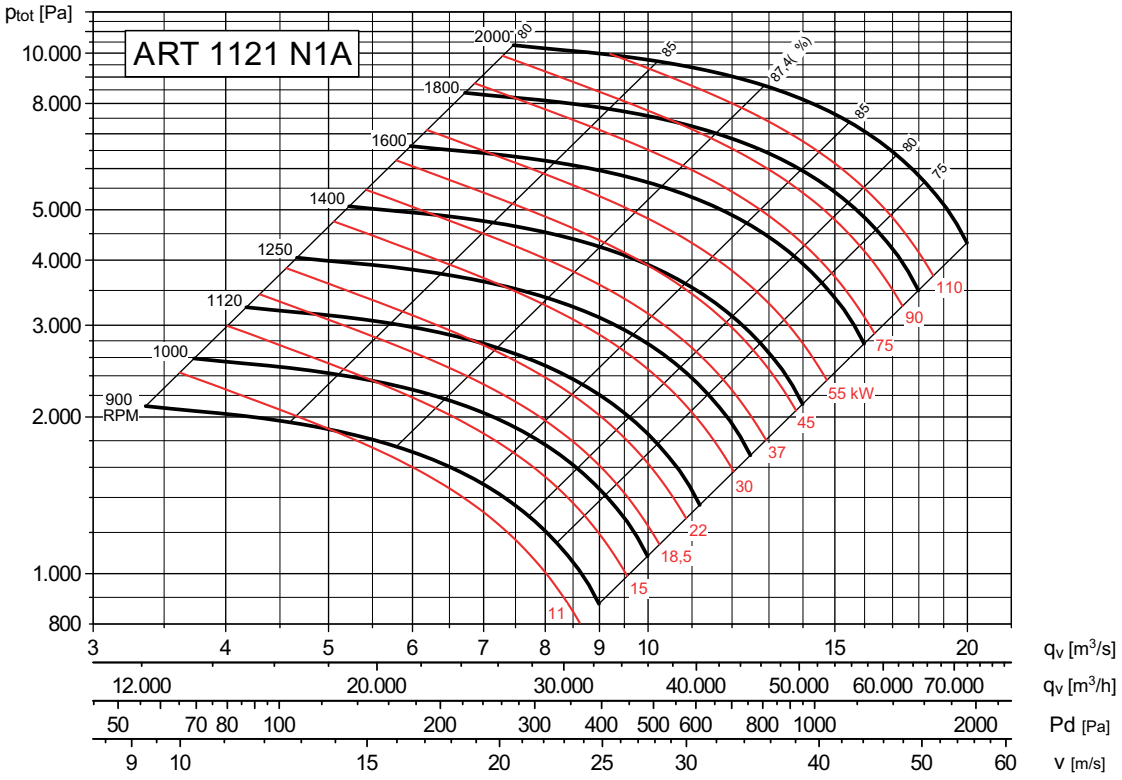
## CURVAS CARACTERÍSTICAS (a la descarga)

**- Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 2360 rpm
101 ÷ 220°C = 2120 rpm
201 ÷ 300°C = 1900 rpm

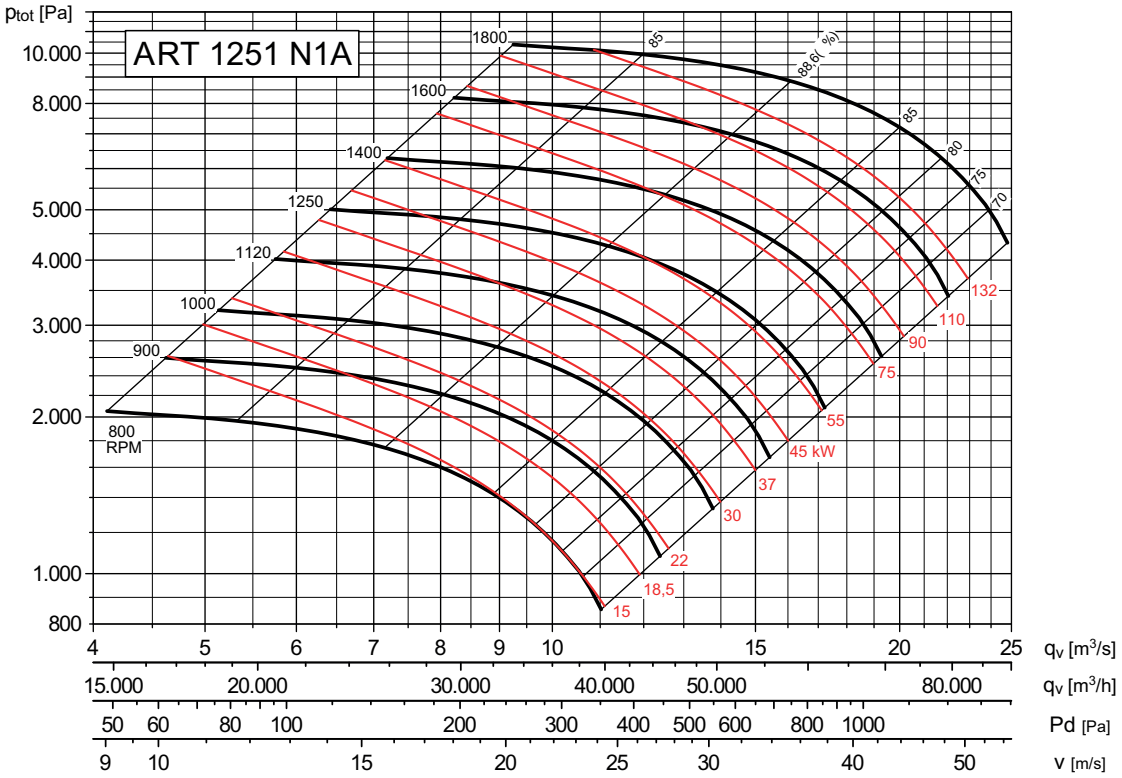



MAX. RPM

≤ 100°C = 2120 rpm
101 ÷ 220°C = 1900 rpm
201 ÷ 300°C = 1700 rpm

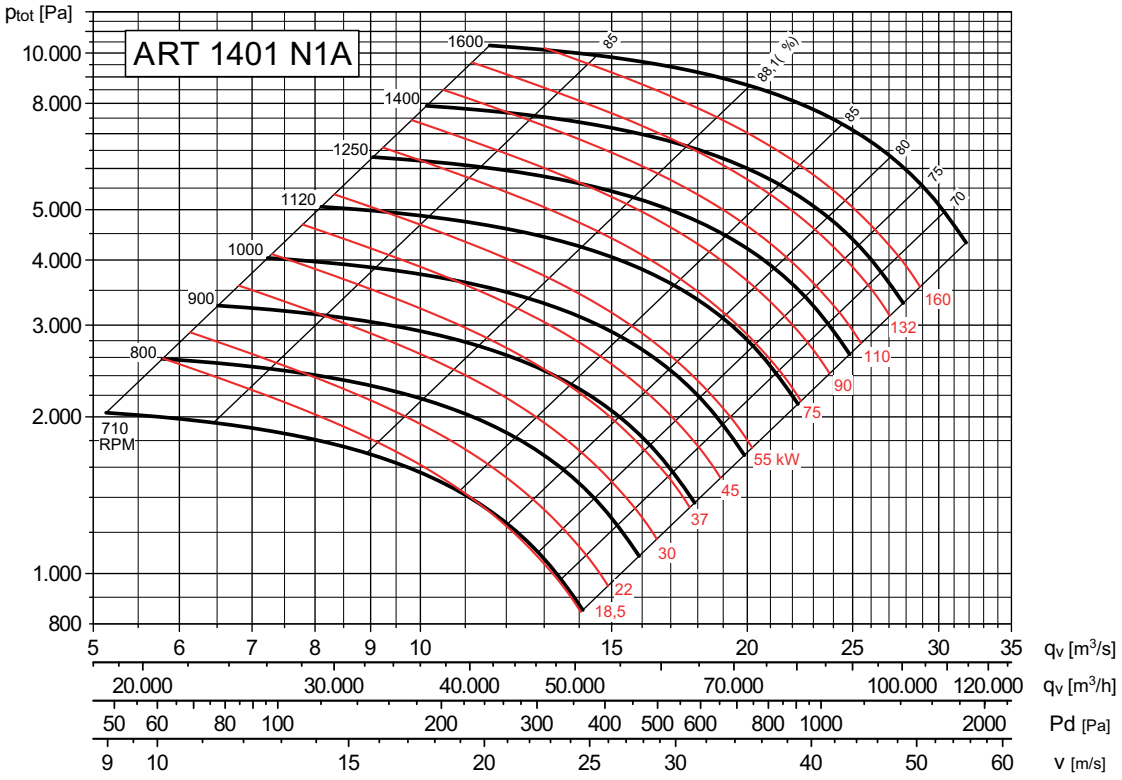
## CURVAS CARACTERÍSTICAS (a la descarga)

**- Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 1900 rpm
101 ÷ 220°C = 1700 rpm
201 ÷ 300°C = 1500 rpm

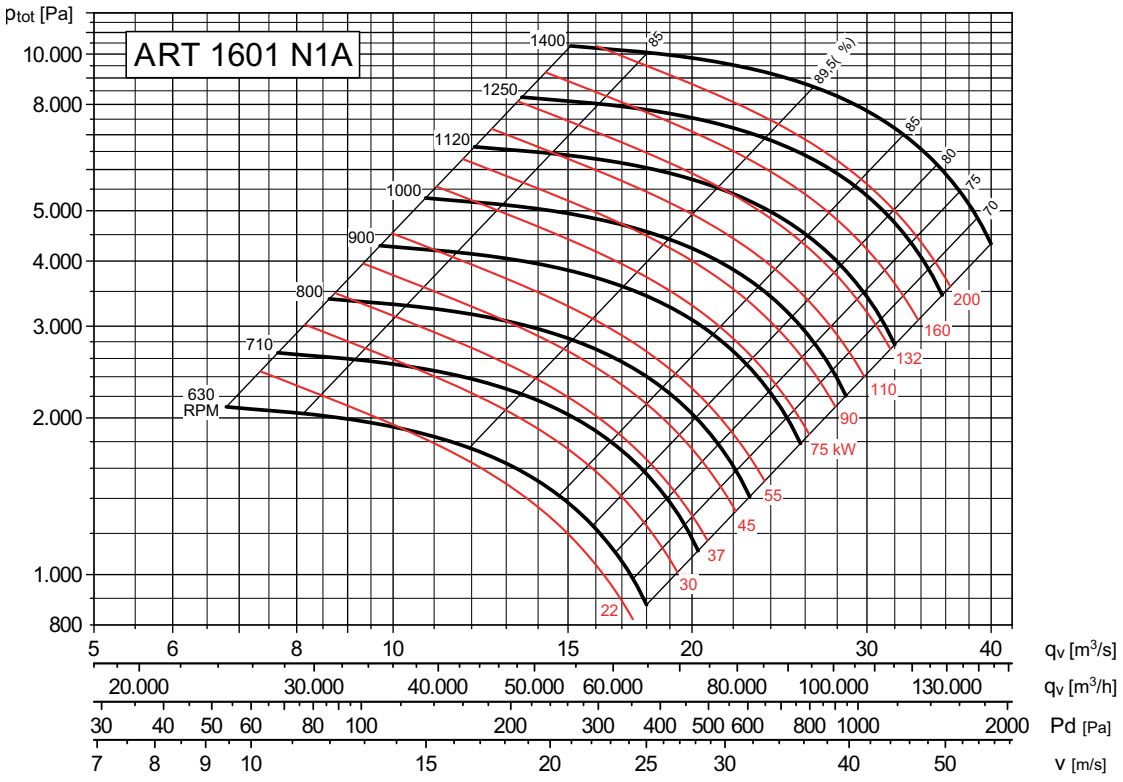



MAX. RPM

≤ 100°C = 1700 rpm
101 ÷ 220°C = 1500 rpm
201 ÷ 300°C = 1320 rpm

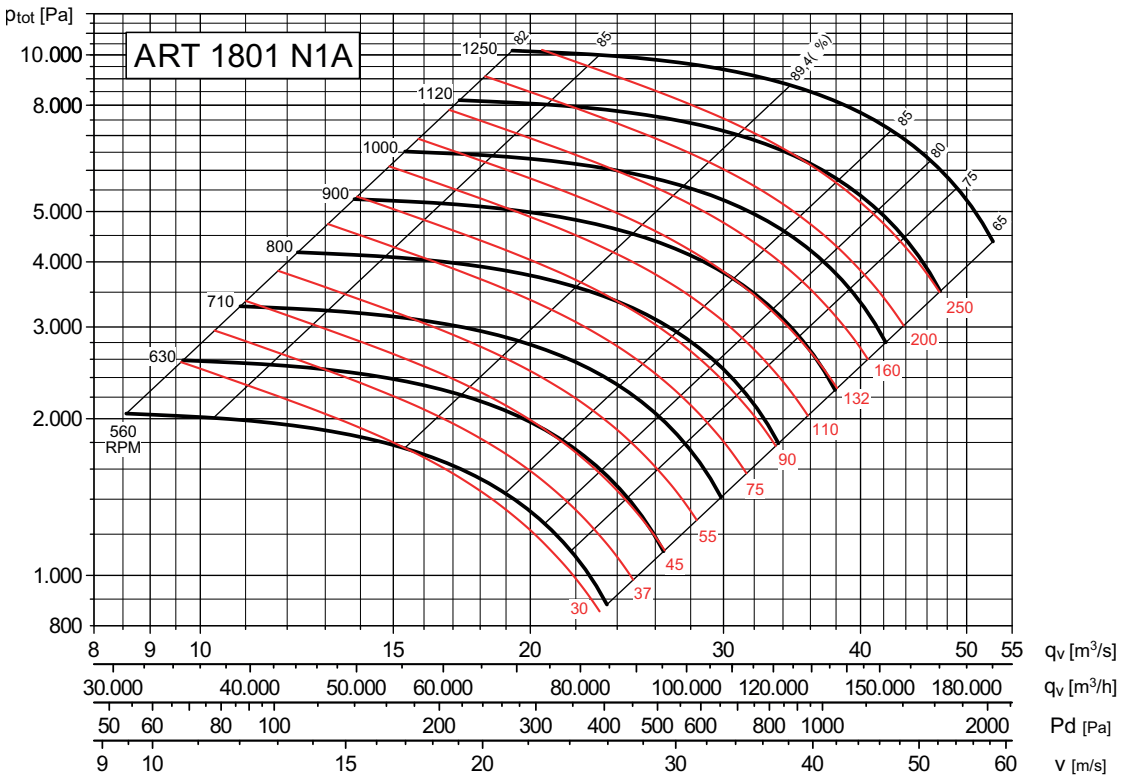
## CURVAS CARACTERÍSTICAS (a la descarga)

**- Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 1500 rpm
101 ÷ 220°C = 1320 rpm
201 ÷ 300°C = 1180 rpm

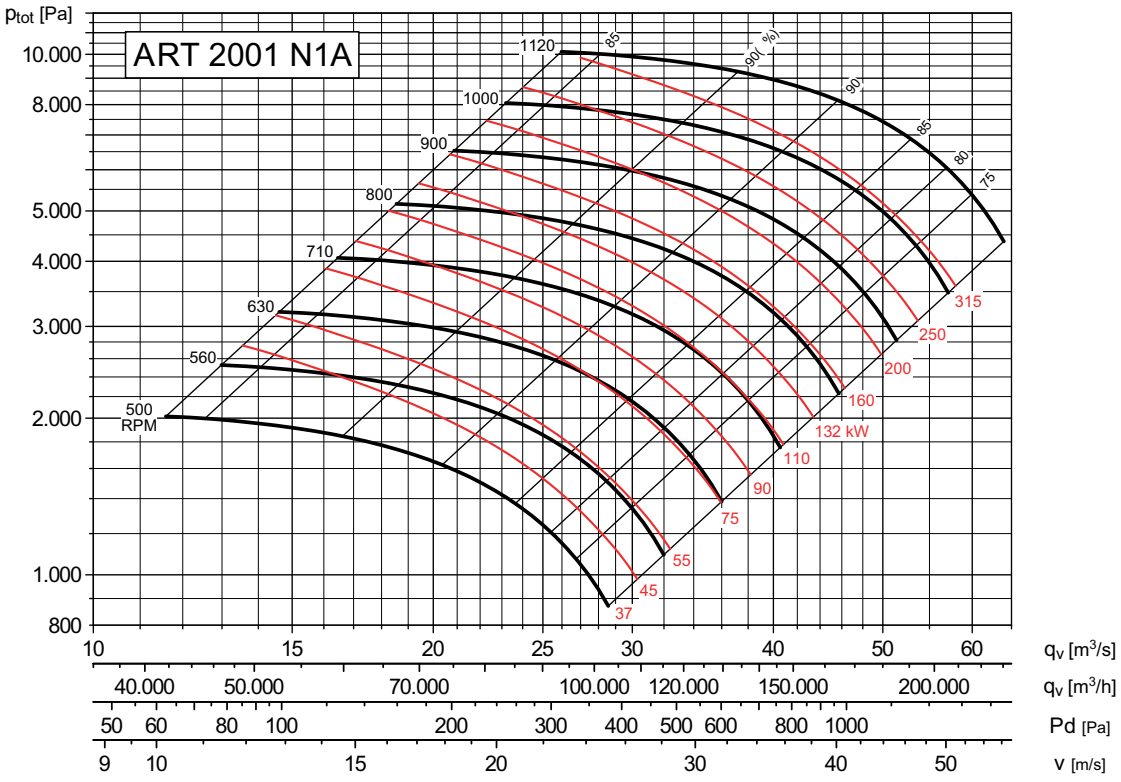



MAX. RPM

≤ 100°C = 1320 rpm
101 ÷ 220°C = 1180 rpm
201 ÷ 300°C = 1060 rpm

## CURVAS CARACTERÍSTICAS (a la descarga)

**- Ptot: Presión total en Pa**

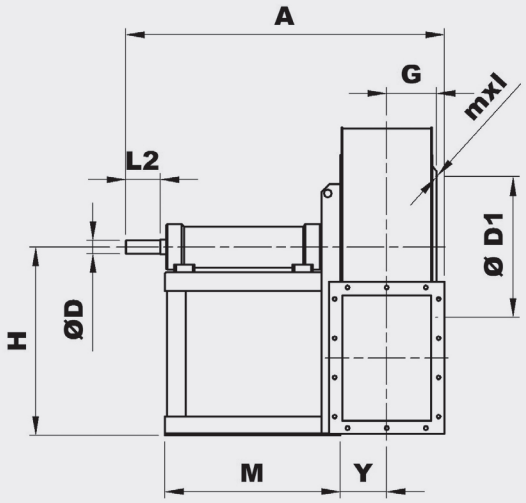


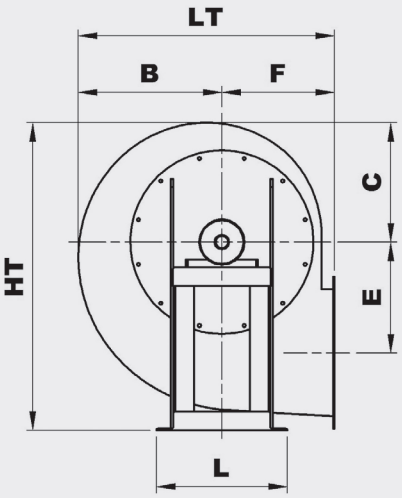

MAX. RPM

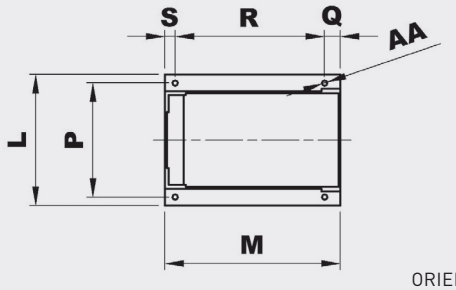
≤ 100°C = 1180 rpm
101 ÷ 220°C = 1060 rpm
201 ÷ 300°C = 930 rpm

## DIMENSIONES (mm)

Modelos desde 401 hasta 501



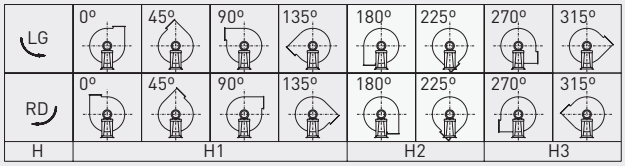




DESCARGA ORIENTABLE

EJECUCIÓN B
Con rodete de refrigeración, contactar con oficina técnica.

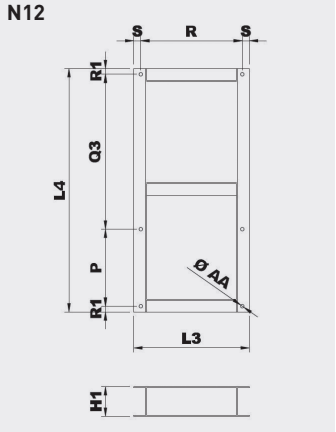
ORIENTACIONES




Para los ventiladores con orientaciones 180º y 225º, contactar con oficina técnica

| Modelo | A | B | C | ØD1 | E | F | G | H | | | HT | mxl | LT | Eje | | Base | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | H1 | H2 | H3 | | | | ØD | L2 | L | M | ØAA | P | Q | R | S | Y |
| ART 401 N1A | 803 | 375 | 330 | 292 | 319 | 285 | 104 | 500 | 285 | 500 | 830 | M8x20 | 660 | 38 | 80 | 400 | 485 | 14 | 355 | 50 | 407 | 28 | 96 |
| ART 451 N1A | 837 | 425 | 370 | 332 | 357 | 320 | 111 | 560 | 320 | 560 | 930 | M8x20 | 745 | 38 | 80 | 400 | 485 | 14 | 355 | 50 | 407 | 28 | 107 |
| ART 501 N1A | 965 | 470 | 410 | 366 | 395 | 360 | 125 | 600 | 360 | 600 | 1010 | M8x20 | 830 | 42 | 110 | 418 | 560 | 17 | 364 | 50 | 477 | 33 | 119 |

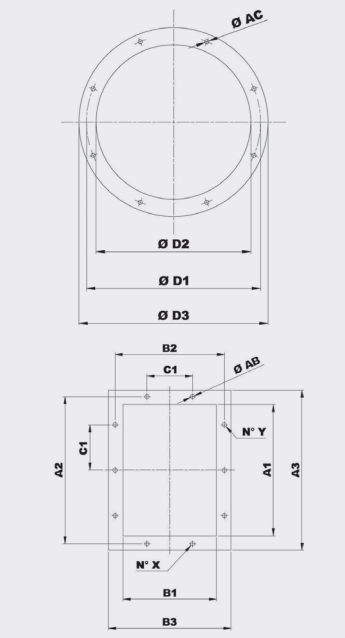
N12




Bancada ejecución 12

| Modelo | H1 | P | L3 | L4 | Q3 | R | R1 | S | ØAA | Peso (kg) |
|---|---|---|---|---|---|---|---|---|---|---|
| 401 | 120 | 355 | 463 | 1010 | 610 | 407 | 22,5 | 28 | 14 | 25 |
| 451 | 120 | 355 | 463 | 1010 | 610 | 407 | 22,5 | 28 | 14 | 34 |
| 501 | 140 | 364 | 543 | 1150 | 732 | 477 | 27 | 33 | 17 | 39 |

## DIMENSIONES (mm)




Brida aspiración

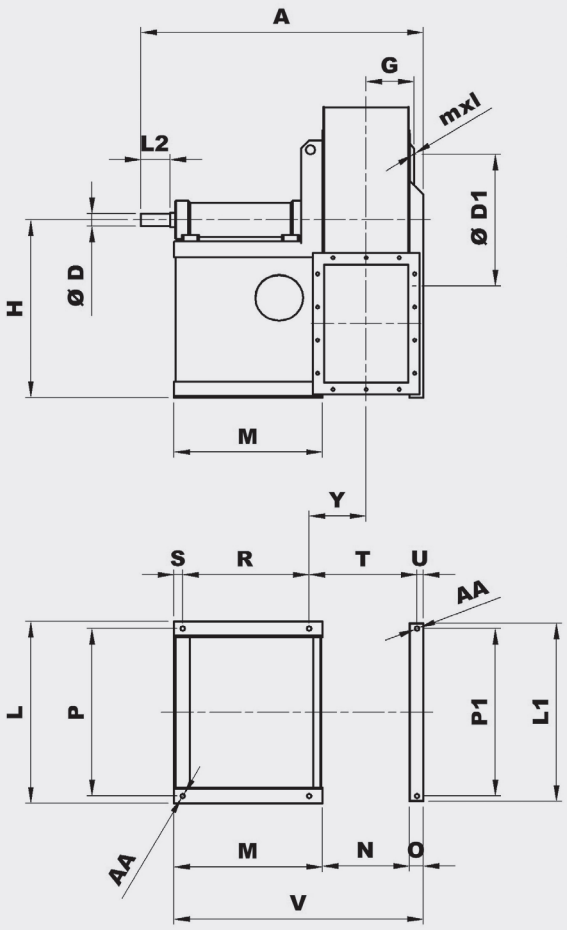
| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 401 | 250 | 292 | 254 | 324 | 10 | 8 |
| 451 | 280 | 332 | 285 | 365 | 10 | 8 |
| 501 | 315 | 366 | 320 | 400 | 10 | 8 |

Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 401 | 250x180 | 256 | 183 | 292 | 219 | 326 | 253 | 112 | 12 | 2+2 | 3+3 |
| 451 | 280x200 | 288 | 205 | 332 | 249 | 368 | 285 | 125 | 12 | 2+2 | 3+3 |
| 501 | 315x224 | 322 | 229 | 366 | 273 | 402 | 309 | 125 | 12 | 2+2 | 3+3 |

## DIMENSIONES (mm)

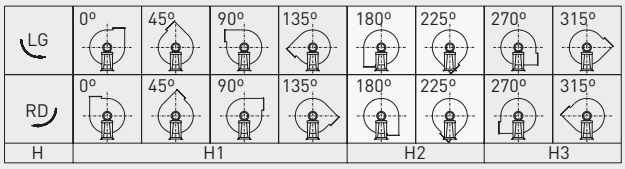
Modelos desde 561 hasta 631




DESCARGA ORIENTABLE

EJECUCIÓN B
Con rodete de refrigeración, contactar con oficina técnica.

ORIENTACIONES

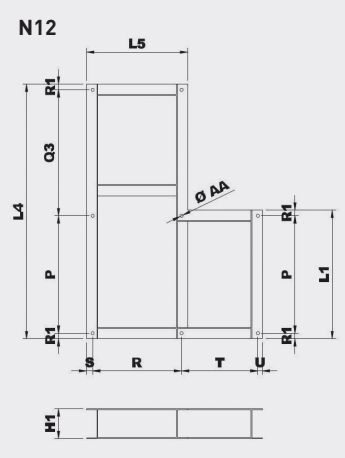



Para los ventiladores con orientaciones 180º y 225º, contactar con oficina técnica

| Modelo | A | B | C | ØD1 | E | F | G | H | | | HT | mxl | LT | Eje | | Base | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | H1 | H2 | H3 | | | | ØD | L2 | L | L1 | M | ØAA | N | O | P | P1 | R | S | T | U | V | Y |
| ART 561 N1A | 1005 | 550 | 455 | 405 | 437 | 400 | 143 | 670 | 400 | 670 | 1125 | M8x20 | 950 | 48 | 110 | 686 | 672 | 560 | 17 | 264 | 53 | 632 | 632 | 477 | 33 | 344 | 23 | 877 | 182 |
| ART 631 N1A | 1040 | 585 | 515 | 448 | 493 | 450 | 164 | 750 | 450 | 750 | 1265 | M8x20 | 1035 | 48 | 110 | 756 | 762 | 560 | 17 | 297 | 53 | 702 | 702 | 477 | 33 | 377 | 23 | 910 | 199 |

## DIMENSIONES (mm)

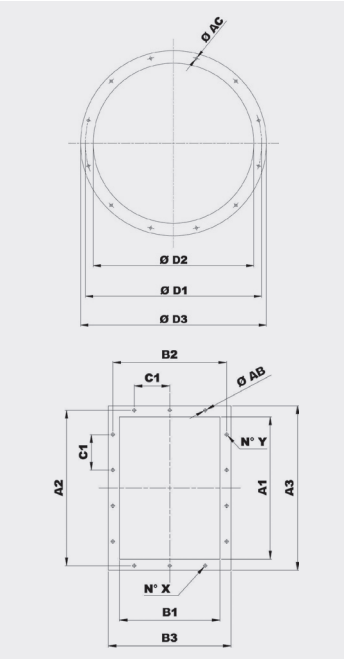
Modelos desde 561 hasta 631




Bancada ejecución 12

| Modelo | H1 | P | L1 | L4 | L5 | Q3 | R | R1 | S | T | U | ØAA | Peso (kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 561 N12A | 160 | 632 | 692 | 1370* | 543 | 678* | 477 | 30 | 33 | 344 | 23 | 17 | 59 |
| 631 N12A | 160 | 702 | 762 | 1470** | 543 | 708** | 477 | 30 | 33 | 377 | 23 | 17 | 75 |

* Para motores de talla 200, esta cota aumenta en 100 mm
** Para motores de talla 200-225, esta cota aumenta en 100 mm




Brida aspiración

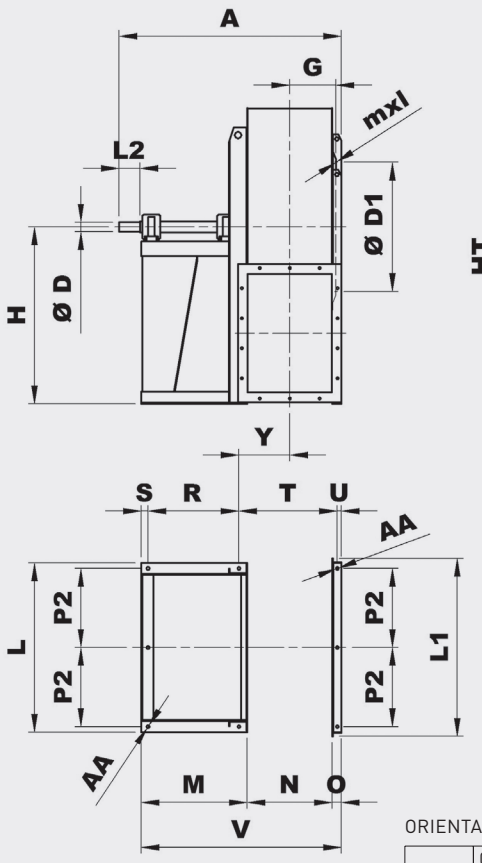
| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 561 | 355 | 405 | 360 | 440 | 10 | 8 |
| 631 | 400 | 448 | 405 | 485 | 10 | 12 |

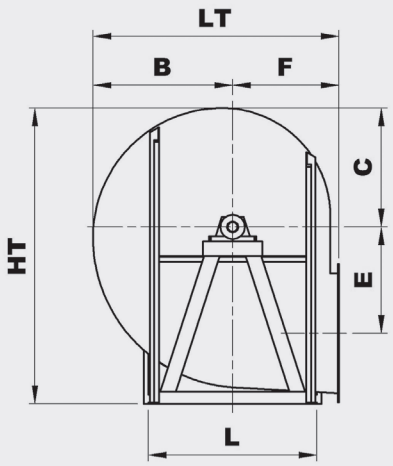
Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 561 | 355x250 | 361 | 256 | 405 | 300 | 441 | 336 | 125 | 12 | 2+2 | 3+3 |
| 631 | 400x280 | 404 | 288 | 448 | 332 | 484 | 368 | 125 | 12 | 3+3 | 4+4 |

## DIMENSIONES (mm)

Modelos desde 711 hasta 2001



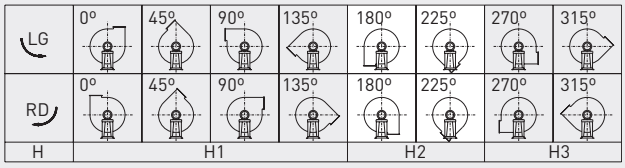






DESCARGA NO ORIENTABLE

EJECUCIÓN B
Con rodete de refrigeración, contactar con oficina técnica.

ORIENTACIONES




Para estas orientaciones, contactar con oficina técnica

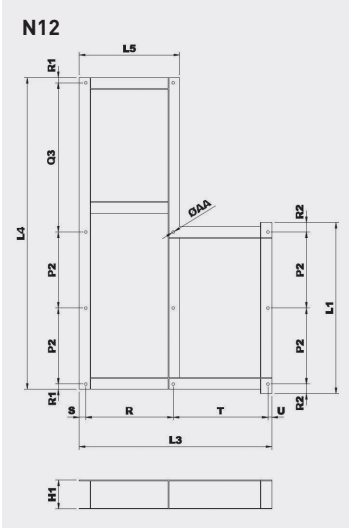
| Modelo | | | | | | | | | | | | | Eje | | Base | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | ØD1 | E | F | G | H | | | HT | mxl | LT | ØD | L2 | L | L1 | M | ØAA | N | O | P2 | R | S | T | U | V | Y |
| | | | | | | | | H1 | H2 | H3 | | | | | | | | | | | | | | | | | | |
| ART 711 N1A | 1140 | 730 | 565 | 497 | 558 | 500 | 181 | 670 | 500 | 850 | 1415 | M8x20 | 1230 | 48 | 110 | 836 | 896 | 650 | 19 | 322 | 60 | 386 | 551 | 39 | 415 | 27 | 1032 | 221 |
| ART 801 N1A | 1210 | 810 | 630 | 551 | 625 | 560 | 200 | 750 | 560 | 950 | 1580 | M8x20 | 1370 | 55 | 110 | 926 | 986 | 650 | 19 | 361 | 60 | 431 | 551 | 39 | 454 | 27 | 1071 | 241 |
| ART 901 N1A | 1250 | 900 | 705 | 629 | 703 | 630 | 227 | 850 | 630 | 1060 | 1765 | M8x20 | 1530 | 55 | 110 | 1026 | 1086 | 650 | 19 | 404 | 60 | 481 | 551 | 39 | 497 | 27 | 1114 | 262 |
| ART 1001 N1A | 1380 | 973 | 795 | 698 | 791 | 710 | 251 | 950 | 710 | 1180 | 1975 | M8x25 | 1683 | 65 | 140 | 1128 | 1188 | 707 | 19 | 453 | 60 | 528 | 607 | 45 | 541 | 27 | 1220 | 282 |
| ART 1121 N1A | 1640 | 1125 | 895 | 775 | 891 | 800 | 278 | 1060 | 800 | 1320 | 2215 | M10x30 | 1925 | 75 | 140 | 1268 | 1348 | 885 | 24 | 507 | 80 | 589 | 760 | 45 | 632 | 35 | 1472 | 334 |
| ART 1251 N1A | 1700 | 1220 | 1005 | 861 | 1003 | 900 | 314 | 1180 | 900 | 1500 | 2505 | M10x30 | 2120 | 75 | 140 | 1400 | 1480 | 885 | 24 | 569 | 80 | 655 | 760 | 45 | 694 | 35 | 1534 | 365 |
| ART 1401 N1A | 1845 | 1395 | 1115 | 958 | 1116 | 1000 | 349 | 1320 | 1000 | 1700 | 2815 | M10x30 | 2395 | 80 | 170 | 1560 | 1640 | 935 | 24 | 638 | 80 | 725 | 780 | 55 | 783 | 35 | 1653 | 419 |
| ART 1601 N1A | 2110 | 1500 | 1245 | 1067 | 1250 | 1120 | 397 | 1500 | 1120 | 1900 | 3145 | M10x30 | 2620 | 90 | 170 | 1750 | 1850 | 1102 | 28 | 715 | 100 | 820 | 917 | 65 | 890 | 45 | 1917 | 478 |
| ART 1801 N1A | 2285 | 1770 | 1390 | 1200 | 1395 | 1250 | 412 | 1650 | 1250 | 2120 | 3510 | M10 | 3020 | 100 | 210 | 1950 | 1950 | 1102 | 28 | 801 | 120 | 915 | 917 | 65 | 986 | 55 | 2023 | 521 |
| ART 2001 N1A | 2380 | 1965 | 1555 | 1337 | 1563 | 1400 | 462 | 1850 | 1400 | 2360 | 3915 | M10 | 3365 | 100 | 210 | 2150 | 2150 | 1102 | 28 | 898 | 120 | 1015 | 917 | 65 | 1083 | 55 | 2120 | 569 |

LG0 - RD0
LG270 - RD270

Sólo para estas orientaciones. Consultar con oficina técnica para diferentes posiciones

## DIMENSIONES (mm)

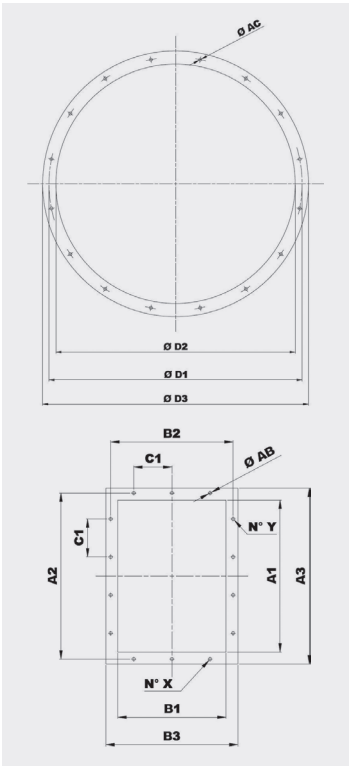
Modelos desde 711 hasta 2001




Bancada ejecución 12

| Modelo | H1 | P2 | L1 | L3 | L4 | L5 | Q3 | R | R1 | R2 | S | T | ØAA | Peso (kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 711 N12A | 180 | 386 | 896 | 1032 | 1643* | 629 | 807* | 551 | 32 | 62 | 39 | 415 | 19 | 94 |
| 801 N12A | 180 | 431 | 986 | 1071 | 1768** | 629 | 842** | 551 | 32 | 62 | 39 | 454 | 19 | 107 |
| 901 N12A | 180 | 481 | 1086 | 1114 | 2013 | 629 | 987 | 551 | 32 | 62 | 39 | 497 | 19 | 116 |
| 1001 N12A | 200 | 528 | 1188 | 1220 | 2164 | 697 | 1036 | 607 | 36 | 66 | 45 | 541 | 19 | 137 |
| 1121 N12A | 220 | 589 | 1348 | 1472 | 2334 | 850 | 1066 | 760 | 45 | 85 | 45 | 632 | 24 | 237 |
| 1251 N12A | 220 | 655 | 1480 | 1534 | 2630 | 850 | 1230 | 760 | 45 | 85 | 45 | 694 | 24 | 253 |
| 1401 N12A | 220 | 725 | 1640 | 1653 | 2800 | 890 | 1240 | 780 | 55 | 95 | 55 | 783 | 24 | 285 |
| 1601 N12A | 220 | 820 | 1850 | 1917 | 2945 | 1047 | 1195 | 917 | 55 | 105 | 65 | 890 | 28 | 312 |
| 1801 N12A | 250 | 915 | 1950 | 2023 | 3245 | 1047 | 1295 | 917 | 60 | 60 | 65 | 986 | 28 | 397 |
| 2001 N12A | 250 | 1015 | 2150 | 2120 | 3500 | 1047 | 1350 | 917 | 60 | 60 | 65 | 1083 | 28 | 433 |

* Para motores de talla 250, esta cota aumenta en 150 mm
** Para motores de talla 250-280, esta cota aumenta en 100 mm




Brida aspiración

| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 711 | 450 | 497 | 455 | 535 | 10 | 12 |
| 801 | 500 | 551 | 505 | 585 | 10 | 12 |
| 901 | 560 | 629 | 566 | 666 | 10 | 12 |
| 1001 | 630 | 698 | 636 | 736 | 10 | 12 |
| 1121 | 710 | 775 | 716 | 816 | 12 | 16 |
| 1251 | 800 | 861 | 806 | 906 | 12 | 16 |
| 1401 | 900 | 958 | 906 | 1006 | 12 | 16 |
| 1601 | 1000 | 1067 | 1007 | 1107 | 12 | 24 |
| 1801 | 1120 | 1200 | 1128 | 1248 | 12 | 24 |
| 2001 | 1250 | 1337 | 1260 | 1380 | 12 | 24 |

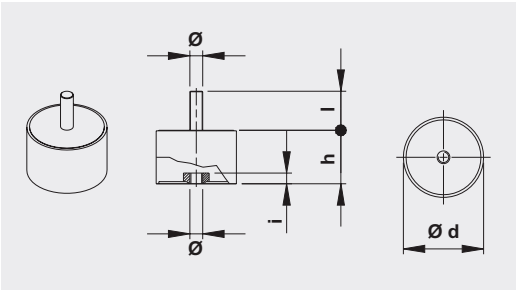
Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 711 | 450x315 | 453 | 322 | 497 | 366 | 533 | 402 | 125 | 12 | 3+3 | 4+4 |
| 801 | 500x355 | 507 | 361 | 551 | 405 | 587 | 441 | 125 | 12 | 3+3 | 4+4 |
| 901 | 560x400 | 569 | 404 | 629 | 464 | 669 | 504 | 160 | 14 | 3+3 | 4+4 |
| 1001 | 630x450 | 638 | 453 | 698 | 513 | 738 | 553 | 160 | 14 | 3+3 | 4+4 |
| 1121 | 710x500 | 715 | 507 | 775 | 567 | 815 | 607 | 160 | 14 | 3+3 | 5+5 |
| 1251 | 800x560 | 801 | 569 | 871 | 639 | 921 | 689 | 200 | 14 | 3+3 | 4+4 |
| 1401 | 900x630 | 898 | 638 | 968 | 708 | 1018 | 758 | 200 | 14 | 4+4 | 5+5 |
| 1601 | 1000x710 | 1007 | 715 | 1077 | 785 | 1127 | 835 | 200 | 14 | 4+4 | 5+5 |
| 1801 | 1120x800 | 1130 | 801 | 1210 | 881 | 1270 | 941 | 200 | 18 | 4+4 | 6+6 |
| 2001 | 1250x900 | 1267 | 898 | 1347 | 978 | 1407 | 1038 | 200 | 18 | 5+5 | 7+7 |

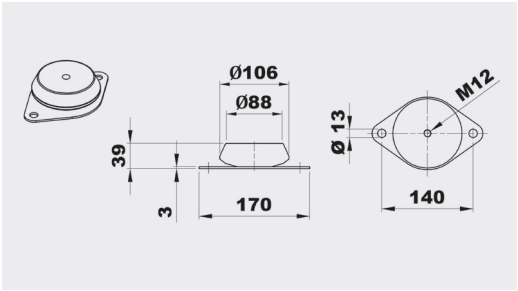
## AMORTIGUADORES

Amortiguadores recomendados

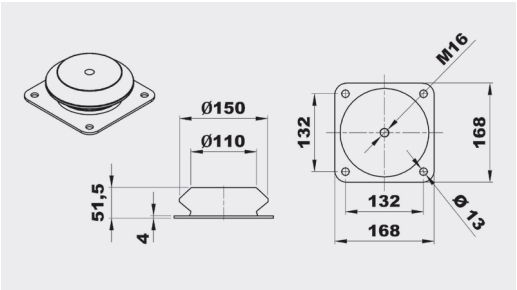
| Ventilador | Ejecución 9 | Ejecución 12 |
|---|---|---|
| 401/2 | 4 x AM 40 - 40x30 | 4 x AM 40 - 40x30 |
| 451/2 | 4 x AM 40 - 40x30 | 4 x AM 50 - 50x40 |
| 501/2 | 4 x AM 50 - 50x40 | 4 x AM 50 - 50x40 |
| 561/2 | 4 x AM 50 - 50x40 | 6 x AM 50 - 50x40 |
| 631/2 | 4 x AM 75 - 75x50 | 6 x AM 75 - 75x50 |
| 711/2 | 4 x AM 75 - 75x50 | 6 x AM 75 - 75x50 |
| 801/2 | 4 x AM 75 - 75x50 | 6 x AM 75 - 75x50 |
| 901/2 | 6 x AM 75 - 75x50 | 6 x AZ 39 - 140x39 |
| 1001/2 | 6 x AM 75 - 75x50 | 6 x AZ 39 - 140x39 |
| 1121/2 | 6 x AZ 39 - 140x39 | 6 x AZ 39 - 140x39 |
| 1251/2 | 6 x AZ 39 - 140x39 | 6 x AZ 51 - 132x51 |
| 1401/2 | 6 x AZ 51 - 132x51 | 6 x AZ 51 - 132x51 |
| 1601 | - | 6 x AZ 51 - 132x51 |
| 1801 | - | 6 x AZ 63 - 150x63 |
| 2001 | - | 6 x AZ 63 - 150x63 |



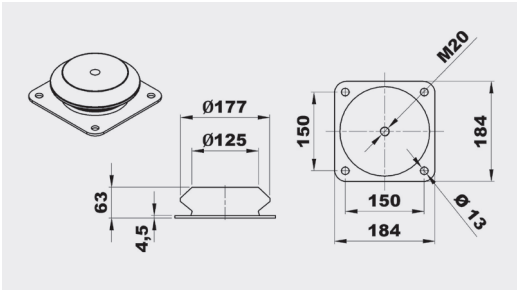

| Tipo | Carga para 4 soportes (kg) | d | h | Ø | l | Peso (kg) |
|---|---|---|---|---|---|---|
| AM 40 | 141÷224 | 40 | 30 | M8 | 23 | 0,10 |
| AM 50 | 225÷315 | 50 | 40 | M10 | 28 | 0,20 |
| AM 75 | 316÷630 | 75 | 50 | M12 | 37 | 0,50 |




| Tipo | Carga para 4 soportes (kg) | Peso (kg) |
|---|---|---|
| AZ 39 | 631÷1250 | 0,7 |

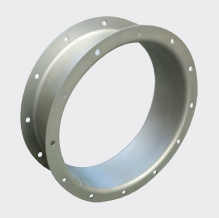



| Tipo | Carga para 4 soportes (kg) | Peso (kg) |
|---|---|---|
| AZ 51 | 1251÷2500 | 1,8 |

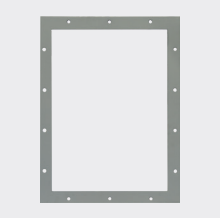



| Tipo | Carga para 4 soportes (kg) | Peso (kg) |
|---|---|---|
| AZ 63 | 2501÷5000 | 2,5 |

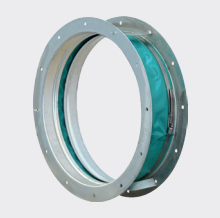
## ACCESORIOS



**CA (CFH1) - CFH2 - CFH3**
Contrabrida - Brida plana circular.



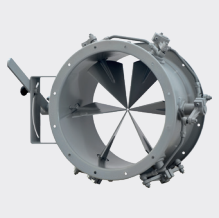
**CP**
Brida plana rectangular.



**GA**
Junta flexible aspiración.



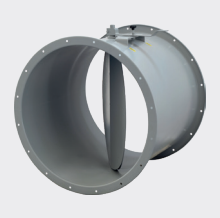
**GP**
Junta flexible descarga.



**DP**
Regulador de caudal de aspiración.



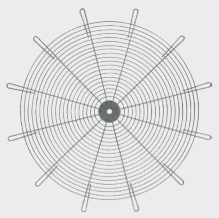
**SAD**
Compuerta de regulación de caudal de descarga.



**SF**
Vávula mariposa.



**DF**
Filtro en la aspiración.



**RC**
Rejilla de protección para la aspiración.



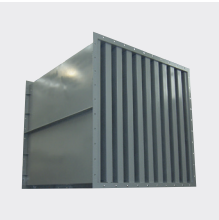
**AM/AZ**
Soportes antivibratorios.



**SCSO**
Silenciador cilíndrico.



**SCCO**
Silenciador cilíndrico con bulbo.



**SASS**
Silenciador rectangular.



**CI**
Cabina de insonorización.

Ver información completa en página **772**.

# ART-EC

## VENTILADORES CENTRÍFUGOS DE MEDIA PRESIÓN

*ACOPLAMIENTO DIRECTO*

Ventilador centrífugo de acoplamiento directo y simple aspiración. Fabricados en chapa de acero protegida contra la corrosión mediante tratamiento por cataforesis + pintura poliuretana bicomponente RAL 7045.



APLICACIONES

**Aire a transportar**
Polvoriento
(ambiente industrial)

**Cantidad de polvo (mg/m$^3$)**
<500



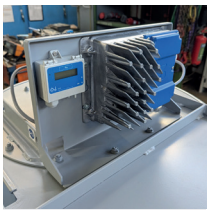
Rodete de álabes curvados hacia atrás

**Motores**
Motores de imanes permanentes, alta eficiencia, trifásicos 230/400V 50Hz hasta tamaño de motor 112 incluido y 400/690V 50Hz para tamaños superiores. Protección IP55, Clase F.

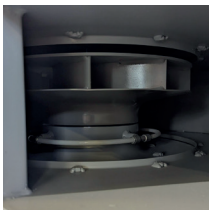
**Ejecuciones estándar**
Ejecución 5: Acoplamiento directo. Impulsor calado directamente sobre el eje del motor. Montaje con eje vertical.



**Motor de imán permanente**



**Inversor + Sensor de presión**

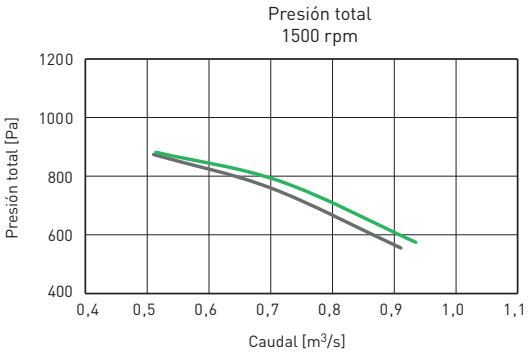


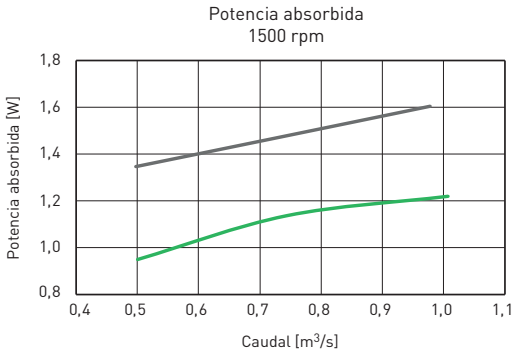
**Ventilador de alta eficiencia**
Preparado para medir diferencias de presión de entrada

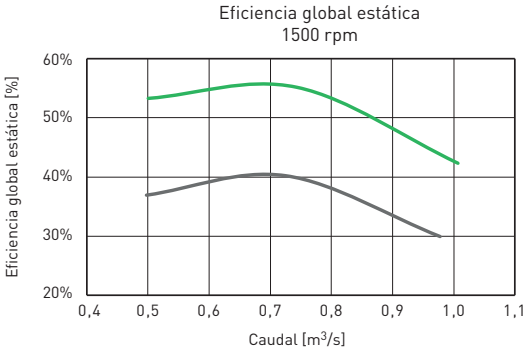


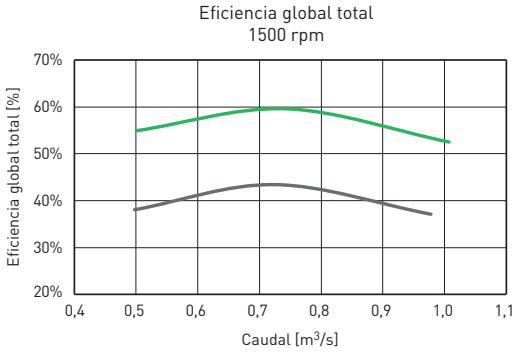
**Sistema totalmente conectado**

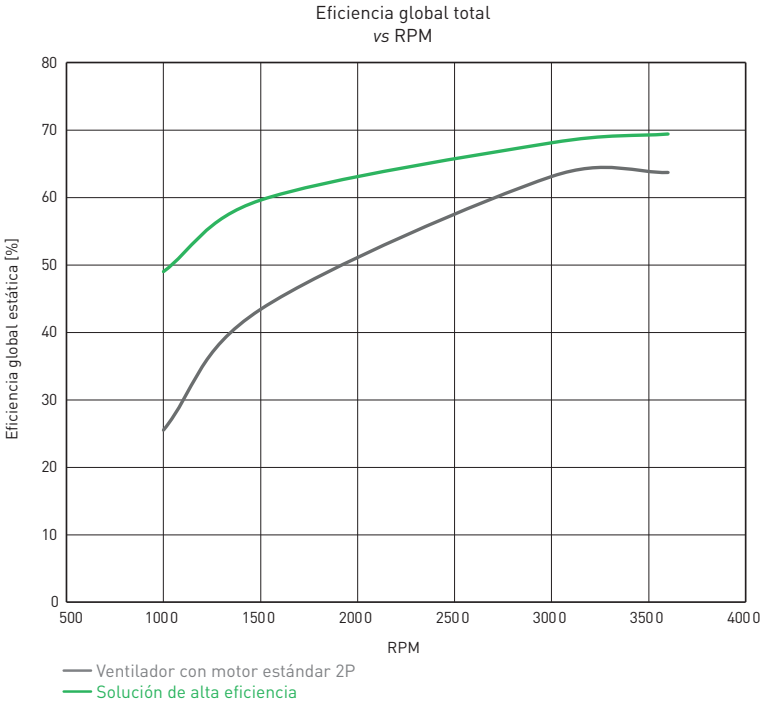
## ¿POR QUÉ SELECCIONAR UN ART-EC?



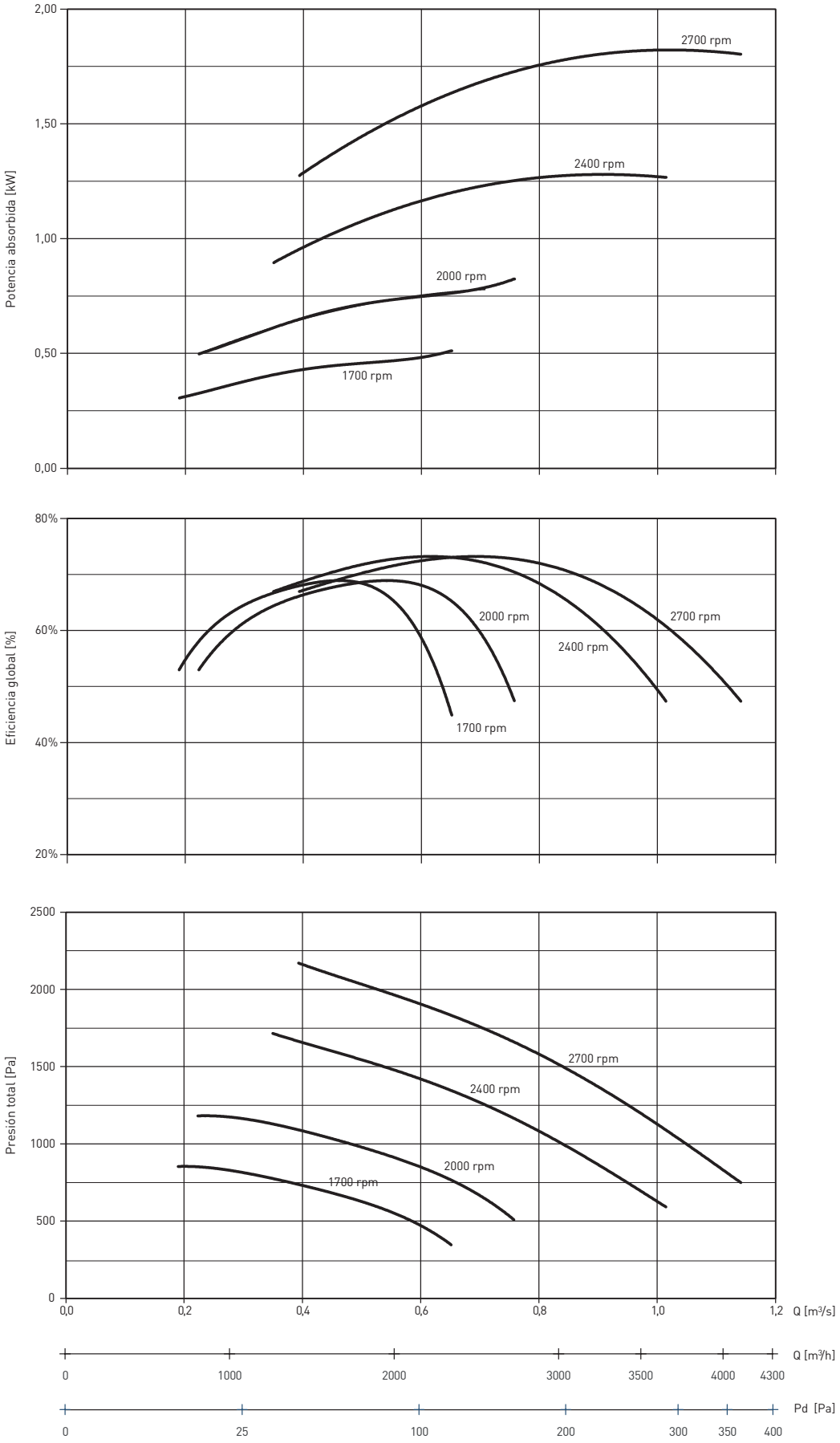




Estos ventiladores presentan una diferencia de eficiencia en comparación con sus homólogos con motores trifásicos, que aumenta gradualmente a medida que se reduce la velocidad de rotación. Los diagramas muestran el caso de un ventilador con un motor bipolar a 1500 rpm (25 Hz).

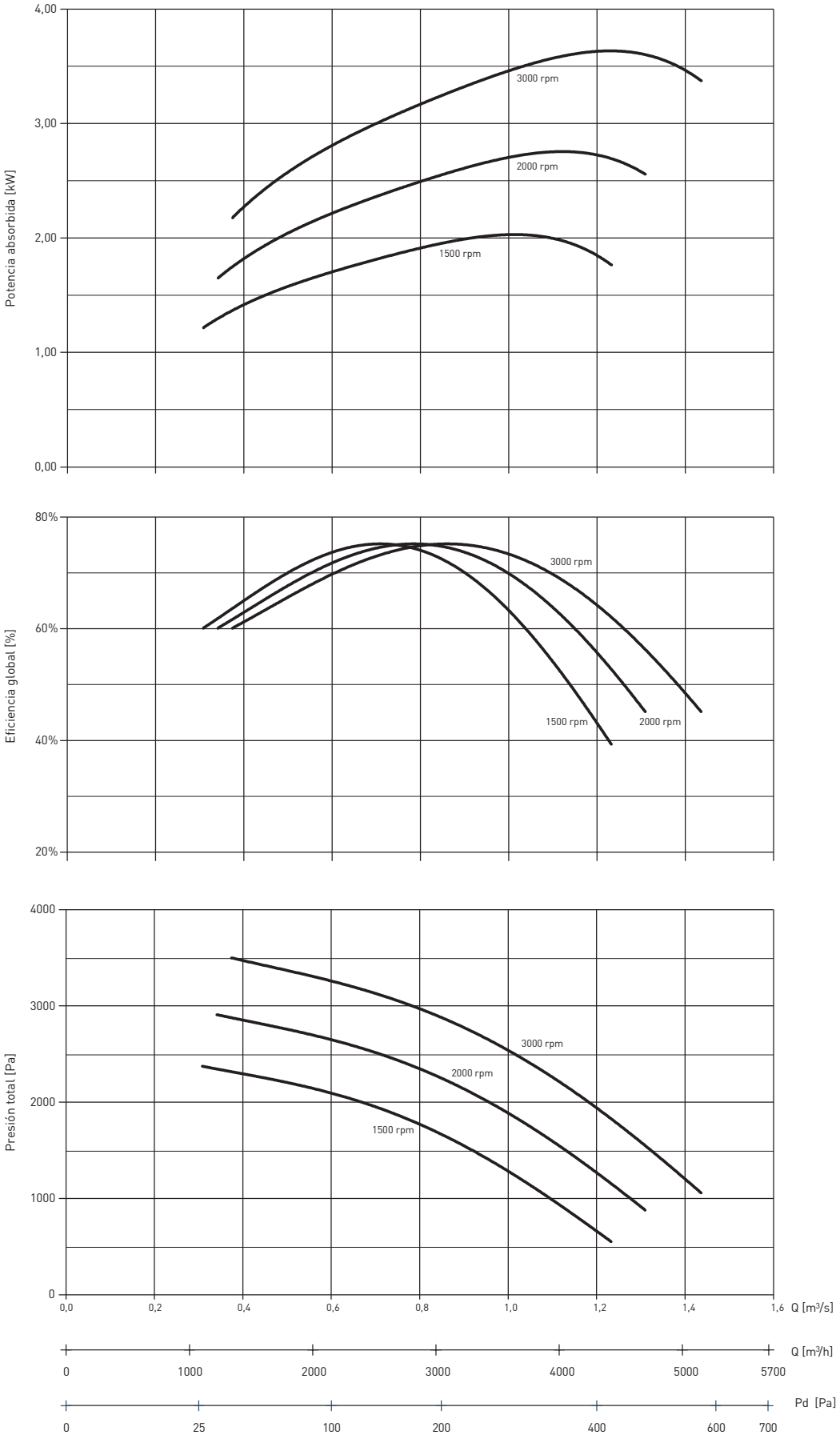
## CURVAS CARACTERÍSTICAS
(a la descarga)

ART 401 N5A - 2,2 kW



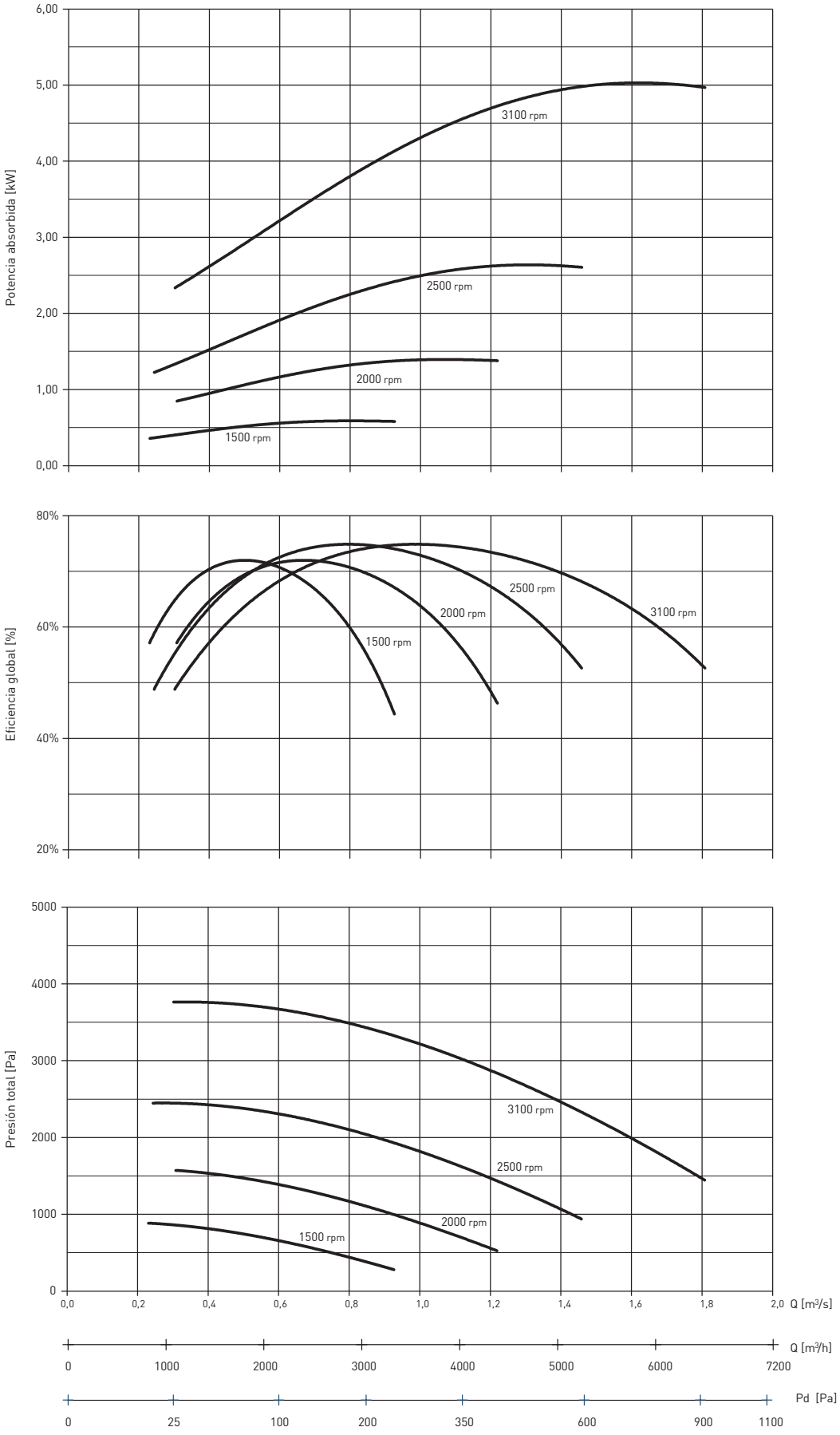
## CURVAS CARACTERÍSTICAS
(a la descarga)

ART 401 N5A - 3,6 kW



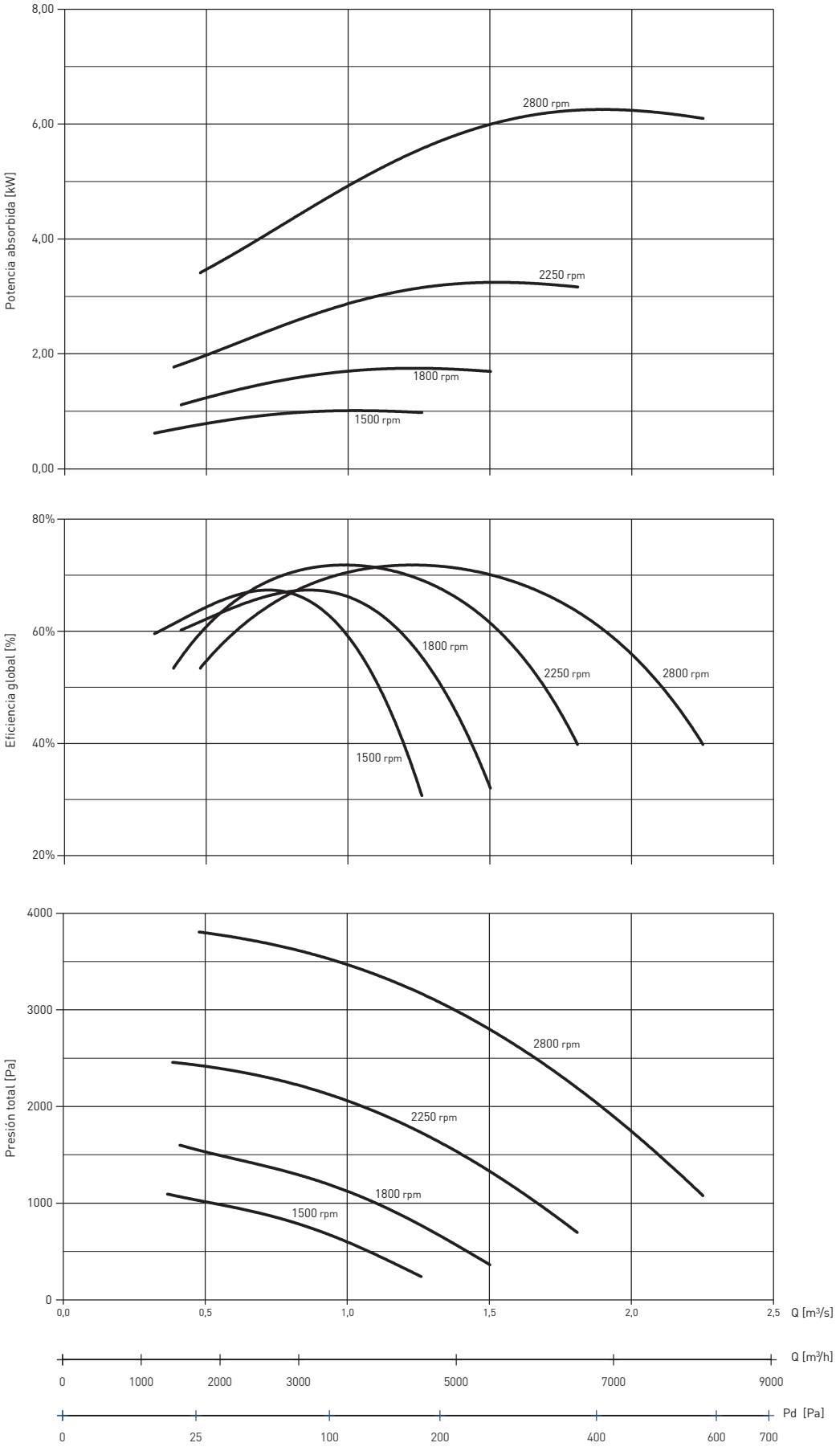
## CURVAS CARACTERÍSTICAS
(a la descarga)

ART 451 N5A - 5,1 kW



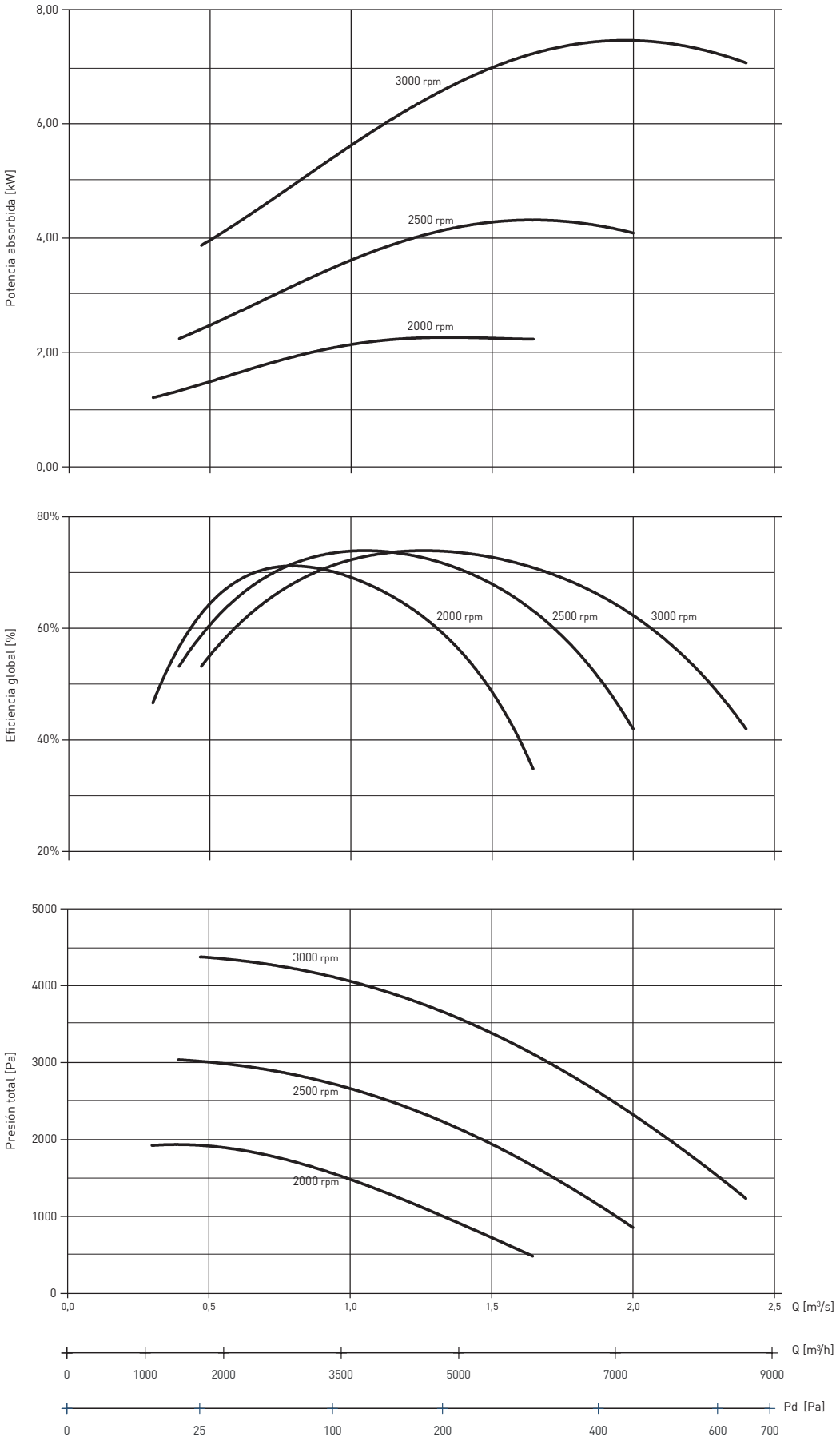
## CURVAS CARACTERÍSTICAS
(a la descarga)

ART 501 N5A - 7,9 kW



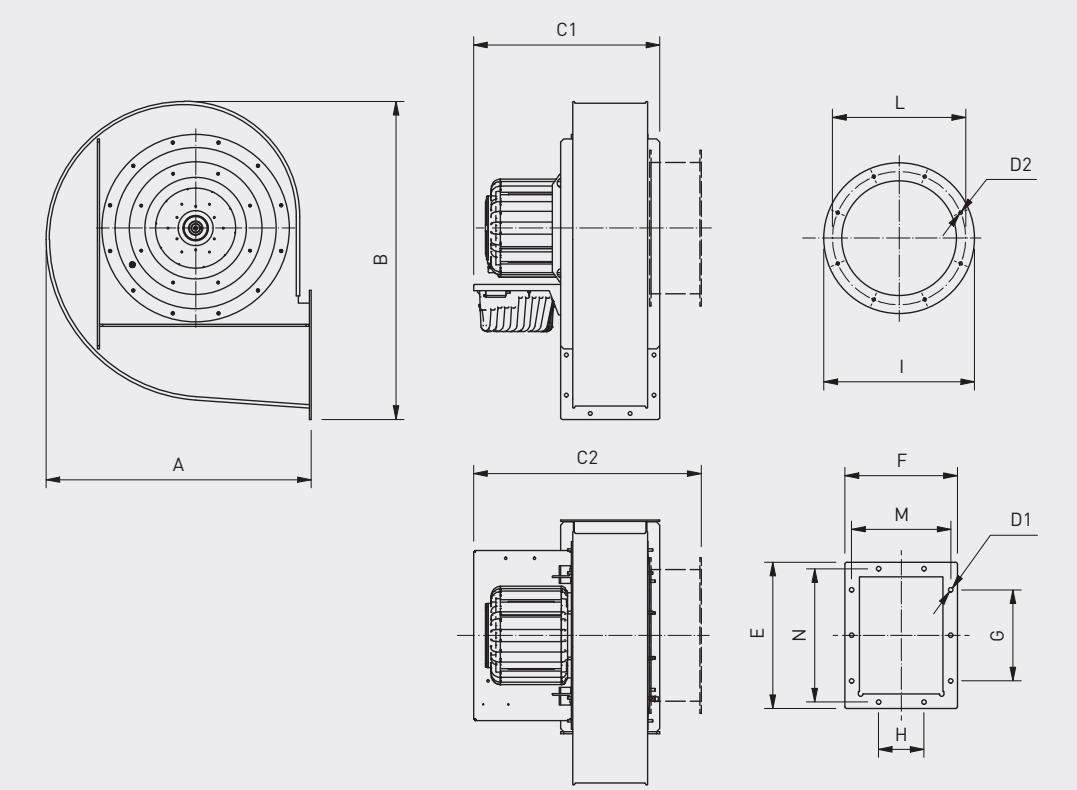
## CURVAS CARACTERÍSTICAS
(a la descarga)

ART 501 N5A - 12,6 kW



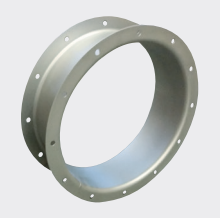
## DIMENSIONES (mm)

Modelos desde 251 hasta 351

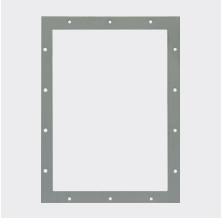



| Modelo | A [mm] | B [mm] | C1 [mm] | C2 [mm] | D1 [mm] | D2 [mm] | E [mm] | F [mm] | G [mm] | H [mm] | I [mm] | L [mm] | M [mm] | N [mm] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ART 401 N5A RD 90 2P KW 2,2 | 657 | 796,5 | 462 | 578 | 12 | 10 | 326 | 253 | 224 | 112 | 324 | 292 | 219 | 292 |
| ART 401 N5A RD 100 2P KW 3,6 | | | | | | | | | | | | | | |
| ART 451 N5A RD 112 2P KW 5,1 | 739 | 897 | 525 | 652 | 12 | 10 | 368 | 285 | 250 | 125 | 365 | 332 | 249 | 332 |
| ART 501 N5A RD 132 2P KW 7,9 | 826 | 991 | 550 | 679 | 12 | 10 | 402 | 309 | 250 | 125 | 400 | 366 | 273 | 366 |
| ART 501 N5A RD 160 2P KW 12,6 | 826 | 991 | 580 | 709 | 12 | 10 | 402 | 309 | 250 | 125 | 400 | 366 | 273 | 366 |

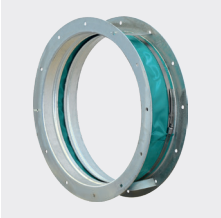
## ACCESORIOS



**CA (CFH1) - CFH2 - CFH3**
Contrabrida - Brida plana circular.



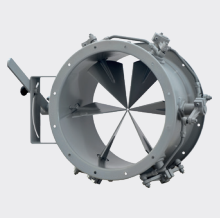
**CP**
Brida plana rectangular.



**GA**
Junta flexible aspiración.



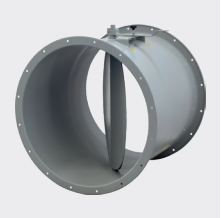
**GP**
Junta flexible descarga.



**DP**
Regulador de caudal de aspiración.



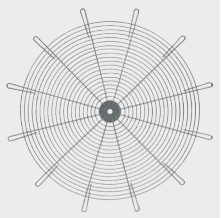
**SAD**
Compuerta de regulación de caudal de descarga.



**SF**
Vávula mariposa.



**DF**
Filtro en la aspiración.



**RC**
Rejilla de protección para la aspiración.



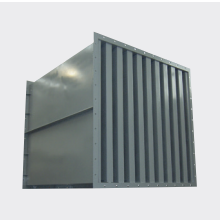
**AM/AZ**
Soportes antivibratorios.



**SCSO**
Silenciador cilíndrico.



**SCCO**
Silenciador cilíndrico con bulbo.



**SASS**
Silenciador rectangular.



**CI**
Cabina de insonorización.

Ver información completa en página **772**.

# VCM

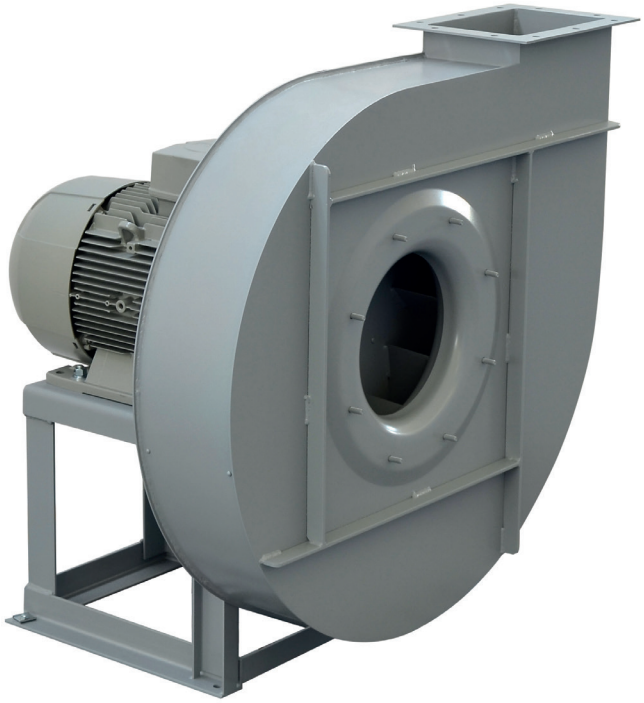
## VENTILADORES CENTRÍFUGOS DE MEDIA PRESIÓN

*ACOPLAMIENTO DIRECTO*

ErP OK

Silent Kit*

Ventilador centrífugo de acoplamiento directo y simple aspiración. Fabricados en chapa de acero protegida contra la corrosión mediante tratamiento por cataforesis + pintura poliuretana. Temperaturas del aire a transportar -20ºC/+100ºC en continuo.



APLICACIONES

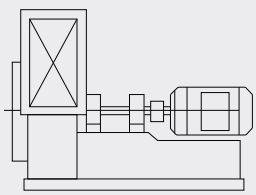
**Aire a transportar**
Polvoriento
(ambiente industrial)

**Cantidad de polvo (mg/m³)**
<500



Rodete de álabes curvados hacia atrás

**SISTEMA 8:** acoplamiento mediante junta elástica.



Disponible bajo pedido

*Silent Kit opcional.

### Motores

De 2, 4 o 6 polos, de alta eficiencia IE 3*, tensión de alimentación trifásica 230/400V 50Hz tamaño motor 112 y 400/690V 50Hz para motores de mayor dimensión.
Protección IP55, Clase F.

* Entre 75 y 200kW, los motores suministrados serán IE4.

### Bajo pedido

- Fabricación en diferentes materiales constructivos.
- Motores de 2 velocidades.
- Versiones de 60 Hz.
- Pintura en diferentes RAL.
- Versión sin pie soporte (Motor-Brida, Sistema 5), hasta tamaño de motor 160.
- Versión para alta temperatura: hasta 220ºC (versiones B: con rodete de refrigeración).
- SISTEMA 8: acoplamiento mediante junta elástica.
- Trampilla de inspección, purga de drenaje, distintos tipos de estanqueidad a nivel de voluta y de paso de eje.
- Ventiladores estancos.
- Calorifugado.

### Versiones ATEX

Bajo pedido, versiones antiexplosivas según la Directiva ATEX para modelos trifásicos: Para trabajar a temperaturas de -20ºC a +60ºC, presión ambiente (absoluta) de 0,8 bar hasta 1,1 bar, según EN 14986.

- Gas:
  - Ex 2G IIB T2-T3-T4
  - Ex 2G IIB+H2 T2-T3-T4
  - Ex 3G IIB T2-T3-T4
  - Ex 3G IIB+H2 T2-T3-T4
- Polvo no conductivo:
  - Ex 2D IIIB T125°C-T135°C-T195°C-T295°C
  - Ex 3D IIIB T125°C-T135°C-T195°C-T295°C
- Polvo conductivo (con motor IP65 IIIC):
  - Ex 2D IIIC T125°C-T135°C-T195°C-T295°C
  - Ex 3D IIIC T125°C-T135°C-T195°C-T295°C

## CARACTERÍSTICAS TÉCNICAS

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación.

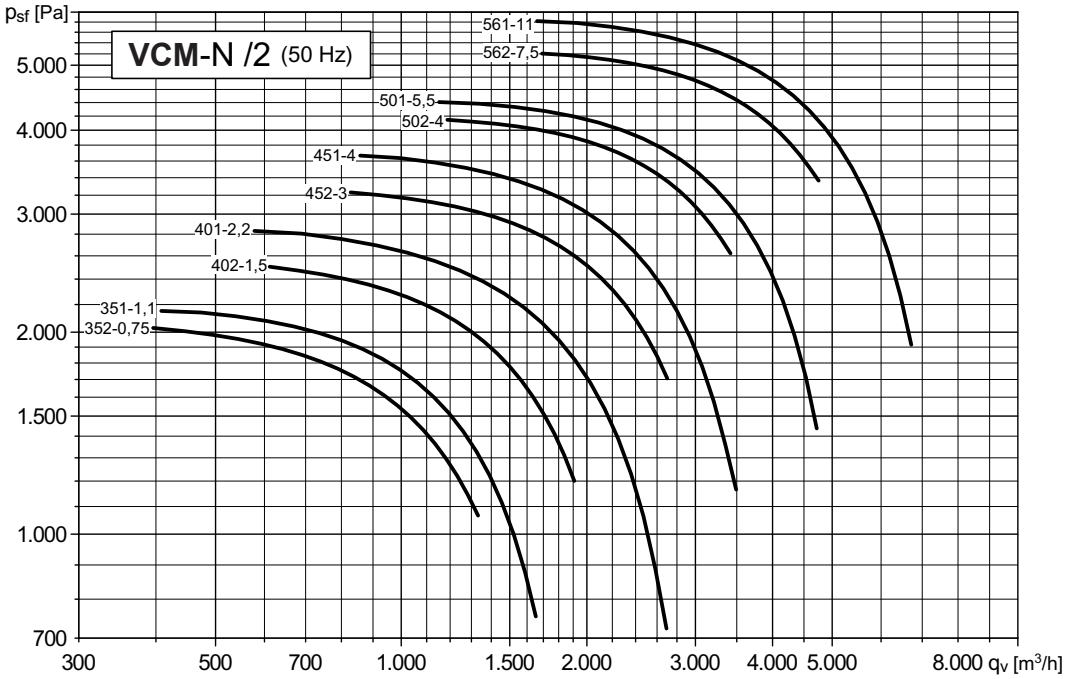
| Modelo | Tamaño motor | Velocidad (r.p.m.) | Potencia motor (kW) | Intensidad motor 400V (A) | Caudal máximo ($m^3/h$) | Nivel presión sonora a 1 m (dB(A))[1] | Peso (kg)[2] | Momento de inercia ($kg \cdot m^2$)[3] |
|---|---|---|---|---|---|---|---|---|
| 2 POLOS | | | | | | | | |
| VCM 352/2 N4A | 80A2 | 2830 | 0,75 | 1,59 | 1.330 | 68 | 34 | 0,07 |
| VCM 351/2 N4A | 80B2 | 2850 | 1,10 | 2,33 | 1.650 | 69 | 38 | 0,08 |
| VCM 402/2 N4A | 90S2 | 2840 | 1,50 | 3,07 | 1.910 | 73 | 50 | 0,11 |
| VCM 401/2 N4A | 90L2 | 2890 | 2,20 | 4,43 | 2.690 | 74 | 54 | 0,13 |
| VCM 452/2 N4A | 100LA2 | 2900 | 3,00 | 5,77 | 2.700 | 76 | 65 | 0,20 |
| VCM 451/2 N4A | 112M2 | 2910 | 4,00 | 7,50 | 3.490 | 77 | 81 | 0,24 |
| VCM 502/2 N4A | 112M2 | 2910 | 4,00 | 7,50 | 3.420 | 79 | 96 | 0,33 |
| VCM 501/2 N4A | 132SA2 | 2890 | 5,50 | 10,10 | 4.720 | 85 | 109 | 0,38 |
| VCM 562/2 N4A | 132SB2 | 2890 | 7,50 | 13,90 | 4.750 | 85 | 136 | 0,55 |
| VCM 561/2 N4A | 160MR2 | 2935 | 11,00 | 18,70 | 6.720 | 86 | 144 | 0,65 |
| VCM 632/2 N4A | 160M2 | 2935 | 15,00 | 25,40 | 6.840 | 87 | 196 | 0,85 |
| VCM 631/2 N4A | 160L2 | 2935 | 18,50 | 33,30 | 9.390 | 88 | 209 | 1,05 |
| VCM 712/2 N4A | 180M2 | 2940 | 22,00 | 39,00 | 8.500 | 90 | 280 | 1,60 |
| VCM 711/2 N4A | 200L2 | 2960 | 30,00 | 53,50 | 13.530 | 91 | 400 | 2,00 |
| VCM 802/2 N4A | 200L2 | 2960 | 37,00 | 65,60 | 12.060 | 91 | 439 | 2,80 |
| VCM 801/2 N4A | 250M2 | 2960 | 55,00 | 93,50 | 19.450 | 92 | 554 | 3,50 |
| VCM 902/2 N4A | 280S2 | 2960 | 75,00 | 126,00 | 19.080 | 92 | 806 | 4,30 |
| VCM 901/2 N4A | 280M2 | 2960 | 90,00 | 151,00 | 27.910 | 93 | 845 | 5,00 |
| VCM 1002/2 N4A | 315S2 | 2970 | 110,00 | 186,00 | 21.600 | 93 | 1.090 | 8,00 |
| VCM 1001/2 N4A | 315MG2 | 2970 | 160,00 | 263,00 | 38.490 | 94 | 1.120 | 9,50 |
| 4 POLOS | | | | | | | | |
| VCM 712/4 N4A | 112M4 | 1425 | 4,00 | 8,2 | 4.120 | 70 | 190 | 1,60 |
| VCM 711/4 N4A | 132SA4 | 1440 | 5,50 | 10,3 | 6.580 | 71 | 200 | 2,00 |
| VCM 802/4 N4A | 132MA4 | 1450 | 7,50 | 13,9 | 5.910 | 73 | 290 | 2,80 |
| VCM 801/4 N4A | 132MB4 | 1460 | 9,20 | 17,4 | 9.590 | 74 | 295 | 3,50 |
| VCM 902/4 N4A | 160M4 | 1460 | 11,00 | 20,7 | 9.350 | 74 | 460 | 4,30 |
| VCM 901/4 N4A | 160L4 | 1450 | 15,00 | 28,4 | 13.670 | 78 | 470 | 5,00 |
| VCM 1002/4 N4A | 180M4 | 1470 | 18,50 | 34,9 | 10.690 | 80 | 590 | 8,00 |
| VCM 1001/4 N4A | 180L4 | 1470 | 22,00 | 40,9 | 19.050 | 81 | 630 | 9,50 |

[1] Entubado en la descarga
Tolerancia del nivel de ruido de +3dB/A, medido en el punto de máxima eficiencia
[2] Con motor incluido y para orientación LG270 o RD270
[3] Momento de inercia del rodete

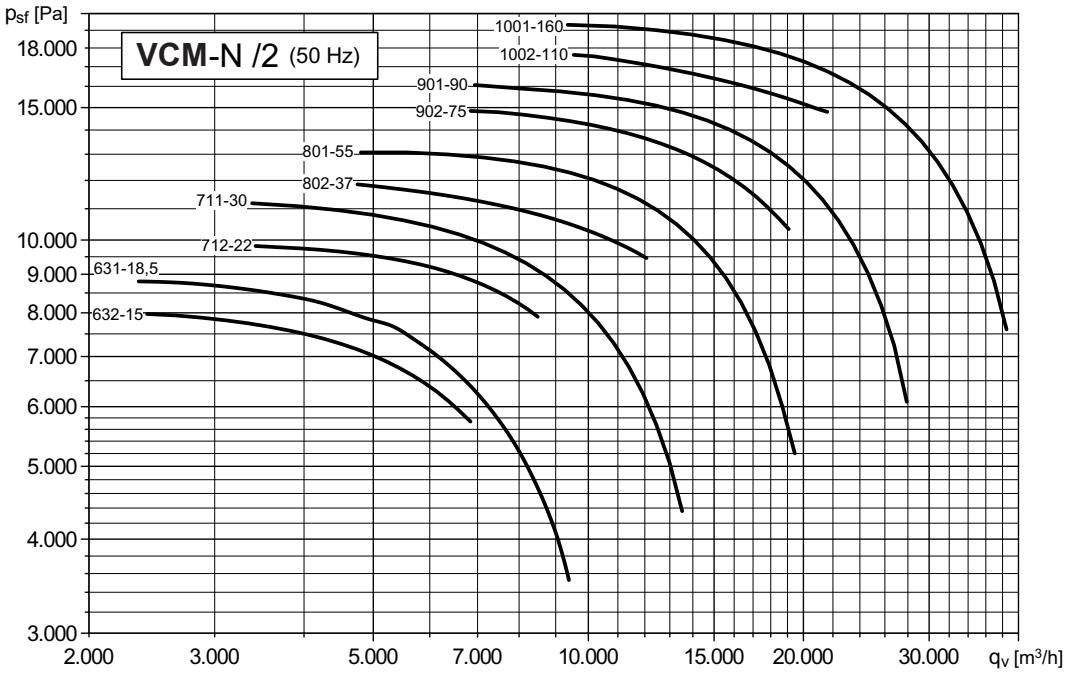
## CURVAS CARACTERÍSTICAS (a la descarga)

- Ventiladores ensayados con la aspiración y la descarga entubadas
- Caudal en $m^3/h$
- **Psf: Presión estática en Pa**
- Modelo - Potencia motor en kW
- Ejemplo: 561 - 11
  Modelo - kW

2 polos - Modelos desde 352 hasta 561



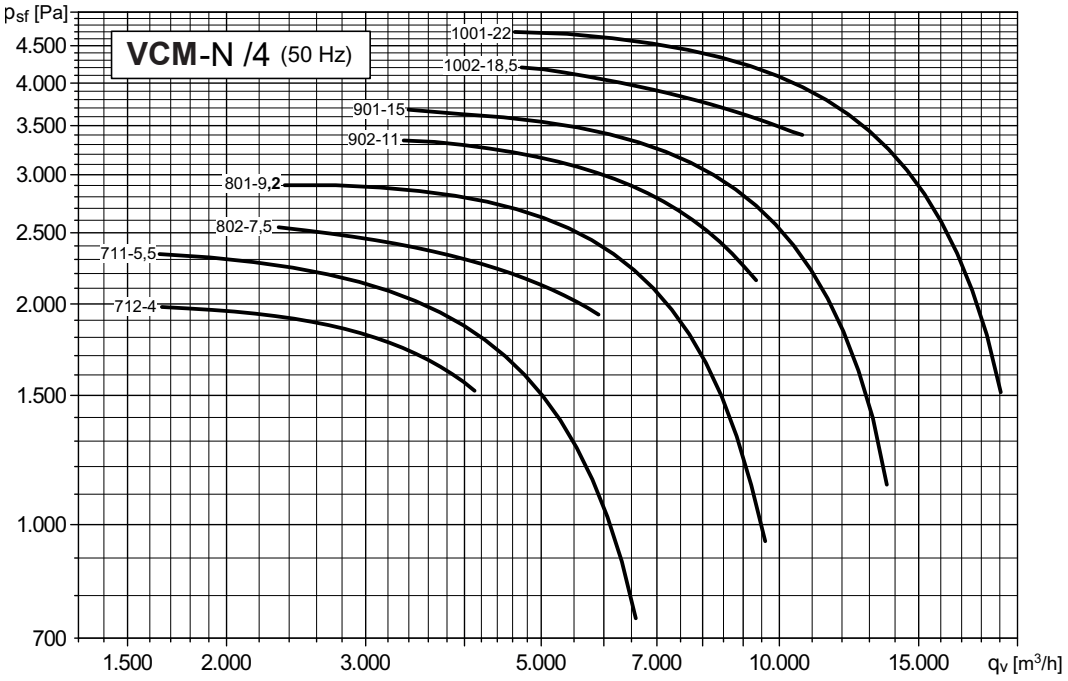

2 polos - Modelos desde 632 hasta 1001



## CURVAS CARACTERÍSTICAS (a la descarga)

- Ventiladores ensayados con la aspiración y la descarga entubadas
- Caudal en $m^3/h$
- **Psf: Presión estática en Pa**
- Modelo - Potencia motor en kW
- Ejemplo: 712 - 4
  Modelo - kW

4 polos - Modelos desde 711 hasta 1001

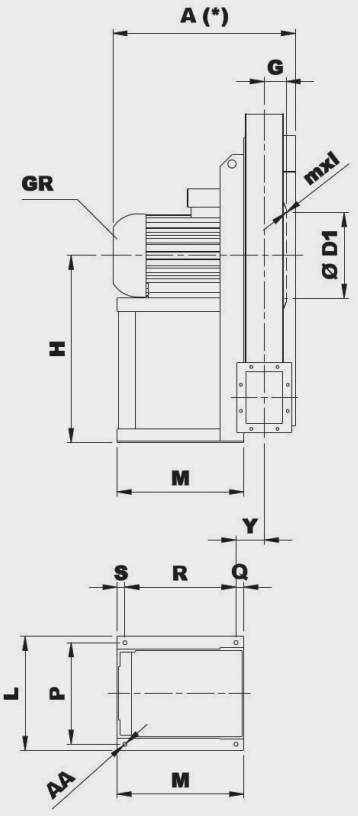


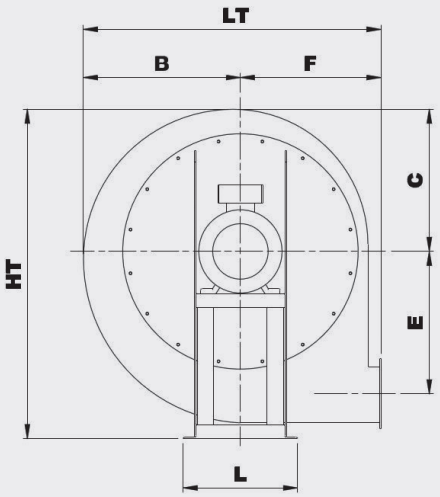
## DATOS ERP

| Modelo | PM | MC | EC | VSD | SR | η [%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|---|---|
| VCM 352 N4A | 0,8 | B | total | No | 1 | 65,1 | 76,9 | 0,743 | 1.046 | 1665 | 2830 |
| VCM 351 N4A | 1,1 | B | total | No | 1 | 65,3 | 76,6 | 0,845 | 1.087 | 1827 | 2850 |
| VCM 402 N4A | 1,5 | B | total | No | 1 | 68,3 | 77,6 | 1,282 | 1.509 | 2088 | 2840 |
| VCM 401 N4A | 2,2 | B | total | No | 1 | 68,7 | 77,2 | 1,575 | 1.635 | 2384 | 2890 |
| VCM 452 N4A | 3,0 | B | total | No | 1 | 71,4 | 78,3 | 2,218 | 2.043 | 2792 | 2900 |
| VCM 451 N4A | 4,0 | B | total | No | 1 | 72,1 | 78,1 | 2,680 | 2.219 | 3134 | 2910 |
| VCM 502 N4A | 4,0 | B | total | No | 1 | 73,2 | 77,7 | 3,807 | 2.795 | 3593 | 2910 |
| VCM 501 N4A | 5,5 | B | total | No | 1 | 73,4 | 76,9 | 4,596 | 3.034 | 4000 | 2890 |
| VCM 562 N4A | 7,5 | B | total | No | 1 | 74,4 | 75,9 | 7,163 | 4.183 | 4587 | 2890 |
| VCM 561 N4A | 11,0 | B | total | No | 1 | 74,4 | 75,5 | 7,966 | 4.230 | 5045 | 2935 |
| VCM 632 N4A | 15,0 | B | total | No | 1 | 76,9 | 76,7 | 12,359 | 5.922 | 5775 | 2935 |
| VCM 631 N4A | 18,5 | B | total | No | 1 | 77,3 | 77,0 | 13,973 | 6.014 | 6463 | 2935 |
| VCM 712 N4A | 22,0 | B | total | No | 1 | 77,7 | 76,9 | 22,493 | 8.454 | 7443 | 2940 |
| VCM 711 N4A | 30,0 | B | total | No | 1 | 78,5 | 77,5 | 25,978 | 8.627 | 8508 | 2960 |
| VCM 802 N4A | 37,0 | B | total | No | 1 | 78,5 | 77,1 | 39,045 | 11.971 | 9219 | 2960 |
| VCM 801 N4A | 55,0 | B | total | No | 1 | 80,5 | 78,9 | 46,446 | 12.376 | 10876 | 2960 |
| VCM 902 N4A | 75,0 | B | total | No | 1 | 79,5 | 77,4 | 71,045 | 17.509 | 11618 | 2960 |
| VCM 901 N4A | 90,0 | B | total | No | 1 | 80,8 | 78,6 | 84,372 | 17.870 | 13742 | 2960 |
| VCM 1002 N4A | 110,0 | B | total | No | 1 | 80,7 | 78,1 | 114,309 | 21.665 | 15331 | 2970 |
| VCM 1001 N4A | 160,0 | B | total | No | 1 | 82,1 | 79,3 | 139,461 | 24.508 | 16828 | 2970 |
| VCM 712 N4A | 4,0 | B | total | No | 1 | 73,9 | 79,8 | 2,793 | 4.148 | 1792 | 1425 |
| VCM 711 N4A | 5,5 | B | total | No | 1 | 75,7 | 80,8 | 3,248 | 4.263 | 2077 | 1440 |
| VCM 802 N4A | 7,5 | B | total | No | 1 | 75,9 | 79,2 | 4,869 | 5.915 | 2251 | 1450 |
| VCM 801 N4A | 9,2 | B | total | No | 1 | 76,8 | 79,3 | 5,869 | 6.115 | 2655 | 1460 |
| VCM 902 N4A | 11,0 | B | total | No | 1 | 76,5 | 77,0 | 8,872 | 8.637 | 2827 | 1460 |
| VCM 901 N4A | 15,0 | B | total | No | 1 | 78,0 | 78,0 | 10,503 | 8.815 | 3344 | 1450 |
| VCM 1002 N4A | 18,5 | B | total | No | 1 | 78,0 | 77,7 | 14,202 | 10.687 | 3731 | 1470 |
| VCM 1001 N4A | 22,0 | B | total | No | 1 | 79,3 | 78,7 | 17,349 | 12.089 | 4095 | 1470 |

**PM** Potencia del motor
**MC** Categoría de medición
**EC** Categoría de eficiencia
**VSD** Mando de regulación de velocidad: debe suministrarse con el ventilador
**SR** Relación específica
**η [%]** Eficiencia
**N** Grado de eficiencia
**[kW]** Potencia absorbida
**[m³/h]** Caudal
**[Pa]** Presión total
**[RPM]** Velocidad

## DIMENSIONES (mm)

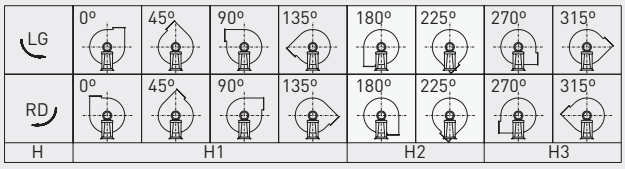



DESCARGA ORIENTABLE

EJECUCIÓN B
Con rodete de refrigeración, contactar con oficina técnica.

ORIENTACIONES



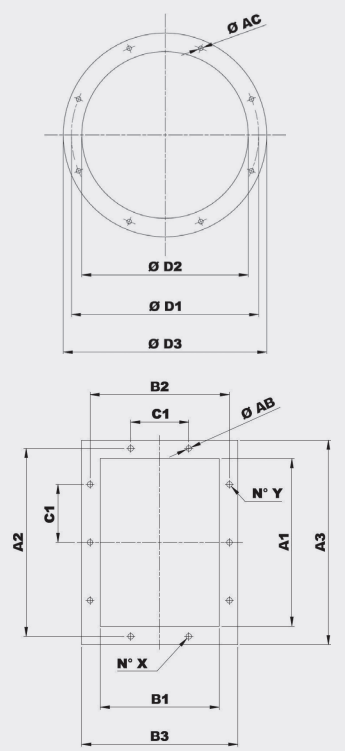

Para los ventiladores con orientaciones 180º y 225º, contactar con oficina técnica

| Modelo | | | | | | | | | | | | | | | Base | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Motor GR | A* | B | C | ØD1 | E | F | G | H | | | HT | mxl | Y | LT | L | P | M | Q | R | S | AA |
| | | | | | | | | | H1 | H2 | H3 | | | | | | | | | | | |
| VCM 351/2 N4A | 80B2 | 400 | 285 | 260 | 219 | 220 | 250 | 61 | 355 | 250 | 355 | 615 | M6x20 | 101 | 535 | 225 | 203 | 225 | 45 | 166 | 14 | 10 |
| VCM 352/2 N4A | 80A2 | 400 | 285 | 260 | 219 | 220 | 250 | 61 | 355 | 250 | 355 | 615 | M6x20 | 101 | 535 | 225 | 203 | 225 | 45 | 166 | 14 | 10 |
| VCM 401/2 N4A | 90L2 | 455 | 310 | 280 | 241 | 242 | 280 | 67 | 375 | 280 | 375 | 655 | M6x20 | 121 | 590 | 260 | 234 | 260 | 60 | 183 | 17 | 10 |
| VCM 402/2 N4A | 90S2 | 430 | 310 | 280 | 241 | 242 | 280 | 67 | 375 | 280 | 375 | 655 | M6x20 | 121 | 590 | 260 | 234 | 260 | 60 | 183 | 17 | 10 |
| VCM 451/2 N4A | 112M2 | 555 | 345 | 315 | 265 | 269 | 300 | 76 | 400 | 300 | 400 | 715 | M6x20 | 93 | 645 | 324 | 289 | 310 | 23 | 264 | 23 | 12 |
| VCM 452/2 N4A | 100LA2 | 515 | 345 | 315 | 265 | 269 | 300 | 76 | 400 | 300 | 400 | 715 | M6x20 | 93 | 645 | 324 | 289 | 295 | 23 | 249 | 23 | 12 |
| VCM 501/2 N4A | 132SA2 | 585 | 380 | 350 | 292 | 302 | 335 | 83 | 450 | 335 | 450 | 800 | M8x25 | 101 | 715 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| VCM 502/2 N4A | 112M2 | 565 | 380 | 350 | 292 | 302 | 335 | 83 | 450 | 335 | 450 | 800 | M8x25 | 101 | 715 | 324 | 289 | 310 | 23 | 264 | 23 | 12 |
| VCM 561/2 N4A | 160MR2 | 750 | 430 | 390 | 332 | 343 | 375 | 92 | 500 | 375 | 500 | 890 | M8x25 | 115 | 805 | 440 | 395 | 470 | 28 | 414 | 28 | 14 |
| VCM 562/2 N4A | 132SB2 | 630 | 430 | 390 | 332 | 343 | 375 | 92 | 500 | 375 | 500 | 890 | M8x25 | 110 | 805 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| VCM 631/2 N4A | 160L2 | 770 | 485 | 440 | 366 | 381 | 425 | 104 | 560 | 425 | 560 | 1000 | M8x25 | 126 | 910 | 440 | 395 | 470 | 28 | 414 | 28 | 14 |
| VCM 632/2 N4A | 160M2 | 770 | 485 | 440 | 366 | 381 | 425 | 104 | 560 | 425 | 560 | 1000 | M8x25 | 126 | 910 | 440 | 395 | 470 | 28 | 414 | 28 | 14 |
| VCM 711/2 N4A | 200L2 | 955 | 540 | 490 | 405 | 426 | 475 | 115 | 630 | 475 | 630 | 1120 | M8x25 | 189 | 1015 | 568 | 506 | 552 | 80 | 433 | 39 | 19 |
| VCM 711/4 N4A | 132SA4 | 670 | 540 | 490 | 405 | 426 | 475 | 115 | 630 | 475 | 630 | 1120 | M8x25 | 132 | 1015 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| VCM 712/2 N4A | 180M2 | 845 | 540 | 490 | 405 | 426 | 475 | 115 | 630 | 475 | 630 | 1120 | M8x25 | 142 | 1015 | 488 | 434 | 540 | 33 | 474 | 33 | 17 |
| VCM 712/4 N4A | 112M4 | 650 | 540 | 490 | 405 | 426 | 475 | 115 | 630 | 475 | 630 | 1120 | M8x25 | 132 | 1015 | 324 | 289 | 310 | 23 | 264 | 23 | 12 |
| VCM 801/2 N4A | 250M2 | 1090 | 610 | 550 | 448 | 481 | 530 | 127 | 710 | 530 | 710 | 1260 | M8x25 | 211 | 1140 | 676 | 604 | 675 | 90 | 541 | 44 | 19 |
| VCM 801/4 N4A | 132MB4 | 760 | 610 | 550 | 448 | 481 | 530 | 127 | 710 | 530 | 710 | 1260 | M8x25 | 144 | 1140 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| VCM 802/2 N4A | 200L2 | 1000 | 610 | 550 | 448 | 481 | 530 | 127 | 710 | 530 | 710 | 1260 | M8x25 | 201 | 1140 | 568 | 506 | 575 | 80 | 456 | 39 | 19 |
| VCM 802/4 N4A | 132MA4 | 760 | 610 | 550 | 448 | 481 | 530 | 127 | 710 | 530 | 710 | 1260 | M8x25 | 144 | 1140 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| VCM 901/2 N4A | 280M2 | 1210 | 685 | 620 | 497 | 542 | 600 | 144 | 800 | 600 | 800 | 1420 | M8x25 | 235 | 1285 | 770 | 690 | 690 | 100 | 540 | 50 | 21 |
| VCM 901/4 N4A | 160L4 | 805 | 685 | 620 | 497 | 542 | 600 | 144 | 800 | 600 | 800 | 1420 | M8x25 | 163 | 1285 | 440 | 395 | 470 | 28 | 414 | 28 | 14 |
| VCM 902/2 N4A | 280S2 | 1210 | 685 | 620 | 497 | 542 | 600 | 144 | 800 | 600 | 800 | 1420 | M8x25 | 235 | 1285 | 770 | 690 | 690 | 100 | 540 | 50 | 21 |
| VCM 902/4 N4A | 160M4 | 805 | 685 | 620 | 497 | 542 | 600 | 144 | 900 | 600 | 800 | 1420 | M8x25 | 163 | 1285 | 440 | 395 | 470 | 28 | 414 | 28 | 14 |
| VCM 1001/2 N4A | 315MG2 | 1300 | 760 | 690 | 551 | 607 | 670 | 160 | 900 | 670 | 900 | 1590 | M8x25 | 262 | 1430 | 850 | 760 | 800 | 110 | 635 | 55 | 21 |
| VCM 1001/4 N4A | 180L4 | 1000 | 760 | 690 | 551 | 607 | 670 | 160 | 900 | 670 | 900 | 1590 | M8x25 | 185 | 1430 | 488 | 434 | 540 | 33 | 474 | 33 | 17 |
| VCM 1002/2 N4A | 315S2 | 1300 | 760 | 690 | 551 | 607 | 670 | 160 | 900 | 670 | 900 | 1590 | M8x25 | 262 | 1430 | 850 | 760 | 800 | 110 | 635 | 55 | 21 |
| VCM 1002/4 N4A | 180M4 | 1000 | 760 | 690 | 551 | 607 | 670 | 160 | 900 | 670 | 900 | 1590 | M8x25 | 185 | 1430 | 488 | 434 | 540 | 33 | 474 | 33 | 17 |

* Según tamaño motor

## DIMENSIONES (mm)

Modelos desde 401 hasta 501




Brida aspiración

| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 351 | 180 | 219 | 184 | 254 | 8 | 8 |
| 401 | 200 | 241 | 204 | 274 | 8 | 8 |
| 451 | 224 | 265 | 228 | 298 | 8 | 8 |
| 501 | 250 | 292 | 254 | 324 | 10 | 8 |
| 561 | 280 | 332 | 285 | 365 | 10 | 8 |
| 631 | 315 | 366 | 320 | 400 | 10 | 8 |
| 711 | 355 | 405 | 360 | 440 | 10 | 8 |
| 801 | 400 | 448 | 405 | 485 | 10 | 12 |
| 901 | 450 | 497 | 455 | 535 | 10 | 12 |
| 1001 | 500 | 551 | 505 | 585 | 10 | 12 |

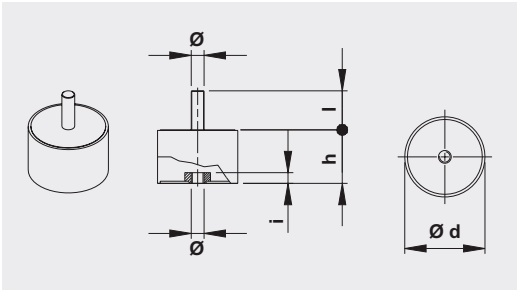
Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 351 | 140x100 | 146 | 105 | 182 | 139 | 216 | 175 | 112 | 12 | 1+1 | 2+2 |
| 401 | 160x112 | 164 | 117 | 200 | 151 | 234 | 187 | 112 | 12 | 1+1 | 2+2 |
| 451 | 180x125 | 183 | 131 | 219 | 165 | 253 | 201 | 112 | 12 | 1+1 | 2+2 |
| 501 | 200x140 | 205 | 146 | 241 | 182 | 275 | 216 | 112 | 12 | 2+2 | 2+2 |
| 561 | 224x160 | 229 | 164 | 265 | 200 | 299 | 234 | 112 | 12 | 2+2 | 2+2 |
| 631 | 250x180 | 256 | 183 | 292 | 219 | 326 | 253 | 112 | 12 | 2+2 | 3+3 |
| 711 | 280x200 | 288 | 205 | 332 | 249 | 368 | 285 | 125 | 12 | 2+2 | 3+3 |
| 801 | 315x224 | 322 | 229 | 366 | 273 | 402 | 309 | 125 | 12 | 2+2 | 3+3 |
| 901 | 355x250 | 361 | 256 | 405 | 300 | 441 | 336 | 125 | 12 | 2+2 | 3+3 |
| 1001 | 400x280 | 404 | 288 | 448 | 332 | 484 | 368 | 125 | 12 | 3+3 | 4+4 |

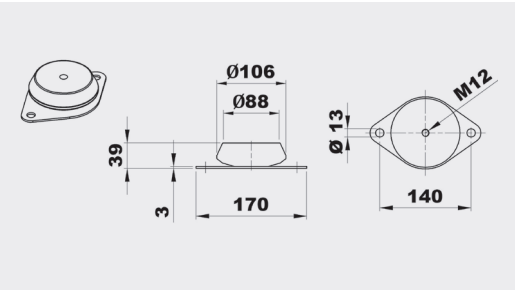
## AMORTIGUADORES

Amortiguadores recomendados

| Ventilador | Ejecución 4 |
|---|---|
| 351/2 | 4 x AM20 - 20x20 |
| 401/2 | 4 x AM25 - 25x20 |
| 451/2 | 4 x AM25 - 25x20 |
| 501/2 | 4 x AM30 - 30x30 |
| 561/2 | 4 x AM40 - 40x30 |
| 631/2 | 4 x AM50 - 50x40 |
| 711/2 | 4 x AM75 - 75x50 |
| 801/2 | 4 x AM75 - 75x50 |
| 901/2 | 4 x AZ39 - 140x39 |
| 1001/2 | 4 x AZ39 - 140x39 |

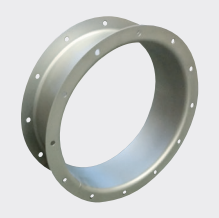



| Tipo | Carga para 4 soportes (kg) | d | h | Ø | l | Peso (kg) |
|---|---|---|---|---|---|---|
| AM 20 | 11÷40 | 20 | 20 | M6 | 15 | 0,02 |
| AM 25 | 41÷80 | 25 | 20 | M6 | 18 | 0,03 |
| AM 30 | 81÷140 | 30 | 30 | M8 | 20 | 0,05 |
| AM 40 | 141÷224 | 40 | 30 | M8 | 23 | 0,10 |
| AM 50 | 225÷315 | 50 | 40 | M10 | 28 | 0,20 |
| AM 75 | 316÷630 | 75 | 50 | M12 | 37 | 0,50 |

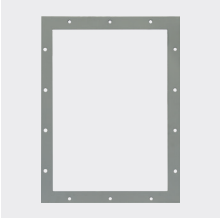



| Tipo | Carga para 4 soportes (kg) | Peso (kg) |
|---|---|---|
| AZ 39 | 631÷1250 | 0,7 |

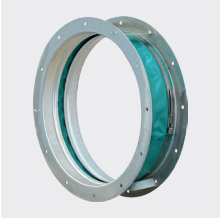
## ACCESORIOS



**CA (CFH1) - CFH2 - CFH3**
Contrabrida - Brida plana circular.



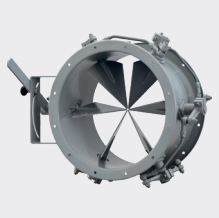
**CP**
Brida plana rectangular.



**GA**
Junta flexible aspiración.



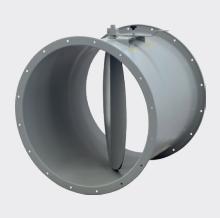
**GP**
Junta flexible descarga.



**DP**
Regulador de caudal de aspiración.



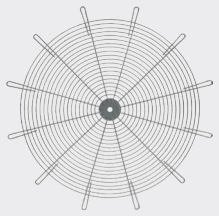
**SAD**
Compuerta de regulación de caudal de descarga.



**SF**
Vávula mariposa.



**DF**
Filtro en la aspiración.



**RC**
Rejilla de protección para la aspiración.



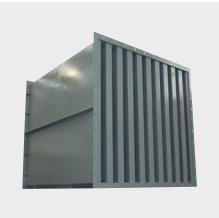
**AM/AZ**
Soportes antivibratorios.



**SCSO**
Silenciador cilíndrico.



**SCCO**
Silenciador cilíndrico con bulbo.



**SASS**
Silenciador rectangular.



**CI**
Cabina de insonorización.

Ver información completa en página **772**.

# VCM

## VENTILADORES CENTRÍFUGOS DE MEDIA PRESIÓN

*TRANSMISIÓN*

ErP OK

Silent Kit*

Ventilador centrífugo con accionamiento por poleas y correas y simple aspiración. Fabricados en chapa de acero protegida contra la corrosión mediante tratamiento por cataforesis + pintura poliuretana. Temperaturas del aire a transportar -20ºC/+100ºC en continuo.



APLICACIONES

**Aire a transportar**
Polvoriento (ambiente industrial)

**Cantidad de polvo (mg/m³)**
<500



Rodete de álabes curvados hacia atrás

### Sistemas de montaje

- SISTEMA 1: eje libre, para acoplamiento mediante poleas y correas.
- SISTEMA 9: incluye motor, poleas, correas y protector de correas. Motor montado en el lateral del pie soporte rodamientos.
- SISTEMA 12: incluye motor, poleas, correas y protector de correas. Motor montado sobre la bancada general.

### Motores

De 2, 4 o 6 polos, de alta eficiencia IE 3* (las r.p.m. de cada motor se adaptarán al cálculo de cada transmisión), tensión de alimentación trifásica 230/400V 50Hz hasta tamaño motor 112 y 400/690V 50Hz para motores de mayor dimensión. Protección IP55, Clase F.

* Entre 75 y 200kW, los motores suministrados serán IE4.

### Bajo pedido

- Fabricación en diferentes materiales constructivos.
- Motores de 2 velocidades.
- Versiones de 60 Hz.
- Pintura en diferentes RAL.
- Versión para alta temperatura: hasta 300ºC (versiones B: con rodete de refrigeración).
- Trampilla de inspección, purga de drenaje, distintos tipos de estanqueidad a nivel de voluta y de paso de eje.
- Ventiladores estancos.
- Calorifugado.

### Versiones ATEX

Bajo pedido, versiones antiexplosivas según la Directiva ATEX para modelos trifásicos: Para trabajar a temperaturas de -20ºC a +60ºC, presión ambiente (absoluta) de 0,8 bar hasta 1,1 bar, según EN 14986.

- Gas:
  - Ex 2G IIB T2-T3
  - Ex 2G IIB+H2 T2-T3
  - Ex 3G IIB T2-T3
  - Ex 3G IIB+H2 T2-T3
- Polvo no conductivo:
  - Ex 2D IIIB T195°C-T295°C
  - Ex 3D IIIB T195°C-T295°C
- Polvo conductivo (con motor IP65 IIIC):
  - Ex 2D IIIC T195°C-T295°C
  - Ex 3D IIIC T195°C-T295°C

*Silent Kit opcional.

## CARACTERÍSTICAS TÉCNICAS

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación.

| Modelo | Caudal máximo ($m^3/h$) | Potencia motor máxima (kW) | Peso (kg)[1] | Momento de inercia ($kg \cdot m^2$)[2] |
|---|---|---|---|---|
| VCM 351 N1A | 2.900 | 4,0 | 30 | 0,08 |
| VCM 401 N1A | 4.660 | 7,5 | 64 | 0,13 |
| VCM 451 N1A | 5.400 | 9,2 | 62 | 0,24 |
| VCM 501 N1A | 7.350 | 18,5 | 82 | 0,38 |
| VCM 561 N1A | 9.150 | 18,5 | 120 | 0,65 |
| VCM 631 N1A | 12.800 | 37,0 | 170 | 1,10 |
| VCM 711 N1A | 16.230 | 45,0 | 223 | 2,00 |
| VCM 801 N1A | 23.330 | 75,0 | 398 | 3,50 |
| VCM 901 N1A | 29.700 | 90,0 | 475 | 5,00 |
| VCM 1001 N1A | 36.290 | 160,0 | 685 | 9,50 |
| VCM 1121 N1A | 45.720 | 160,0 | 755 | 15,00 |
| VCM 1251 N1A | 64.150 | 200,0 | 1.120 | 24,00 |
| VCM 1401 N1A | 72.000 | 250,0 | 1.237 | 42,00 |
| VCM 1601 N1A | 95.180 | 315,0 | 1.622 | 72,00 |
| VCM 1801 N1A | 119.810 | 400,0 | 2.179 | 125,00 |
| VCM 2001 N1A | 144.000 | 500,0 | 2.870 | 225,00 |

[1] Para ejecución 1 y orientación LG270 o RD270
[2] Momento de inercia del rodete

SOPORTES SISTEMA 1

| Modelo | 351 | 401 | 451-501 | 561 | 631 | 711 | 801 |
|---|---|---|---|---|---|---|---|
| Soporte tipo | ST 62 A24 | ST 80 A28 | ST 90 A38 | ST 100 A42 | ST 110 B48 | ST 120 B48 | ST 130 B55 |

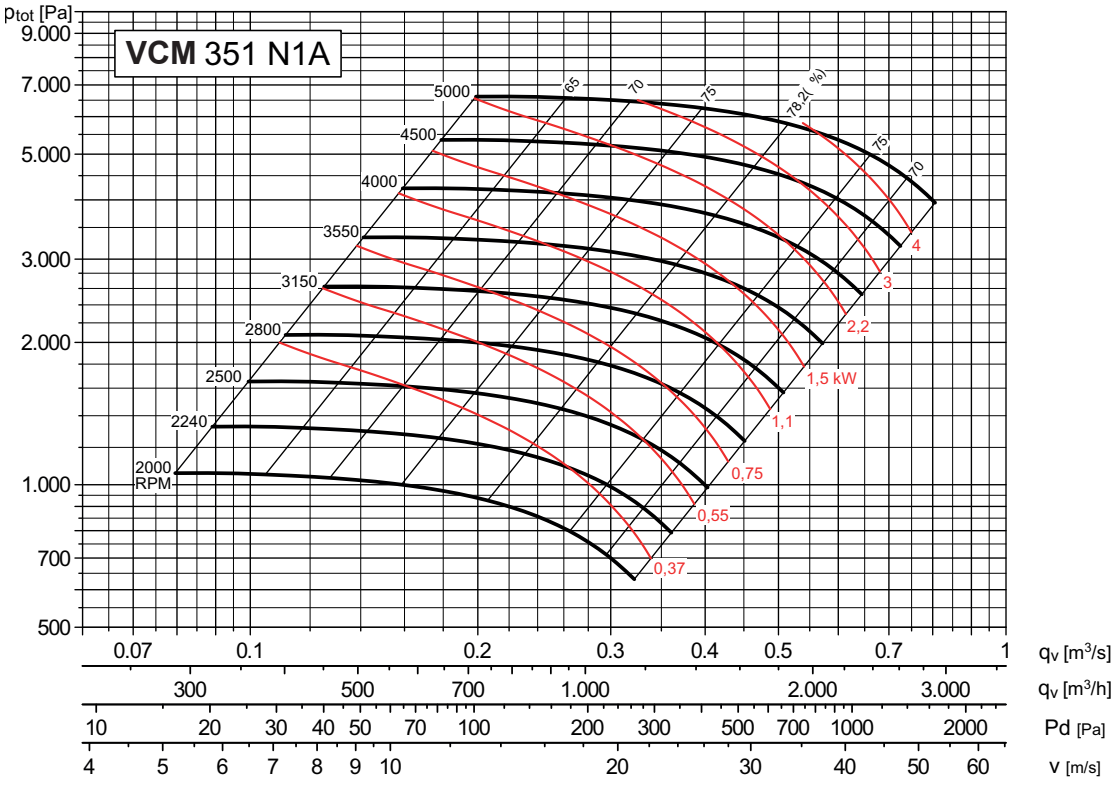
| Modelo | 901 | 1001-1121 | 1251 | 1401 | 1601 | 1801-2001 |
|---|---|---|---|---|---|---|
| Soporte tipo | ST 150 B65 | ST 180 B80 | ST 200 B90 | SN 520 BL80 | SN 522 BL90 | SN 524 BL100 |

MOTORES SISTEMA 9

| Modelo | 351 | 401-501 | 561-631 | 711-801 | 901-1001 |
|---|---|---|---|---|---|
| Tamaño motor | ≤ 100 L2 | ≤ 132 M2 | ≤ 160 L2-4 | ≤ 180 L2-4 | ≤ 200 M2-4-6 |

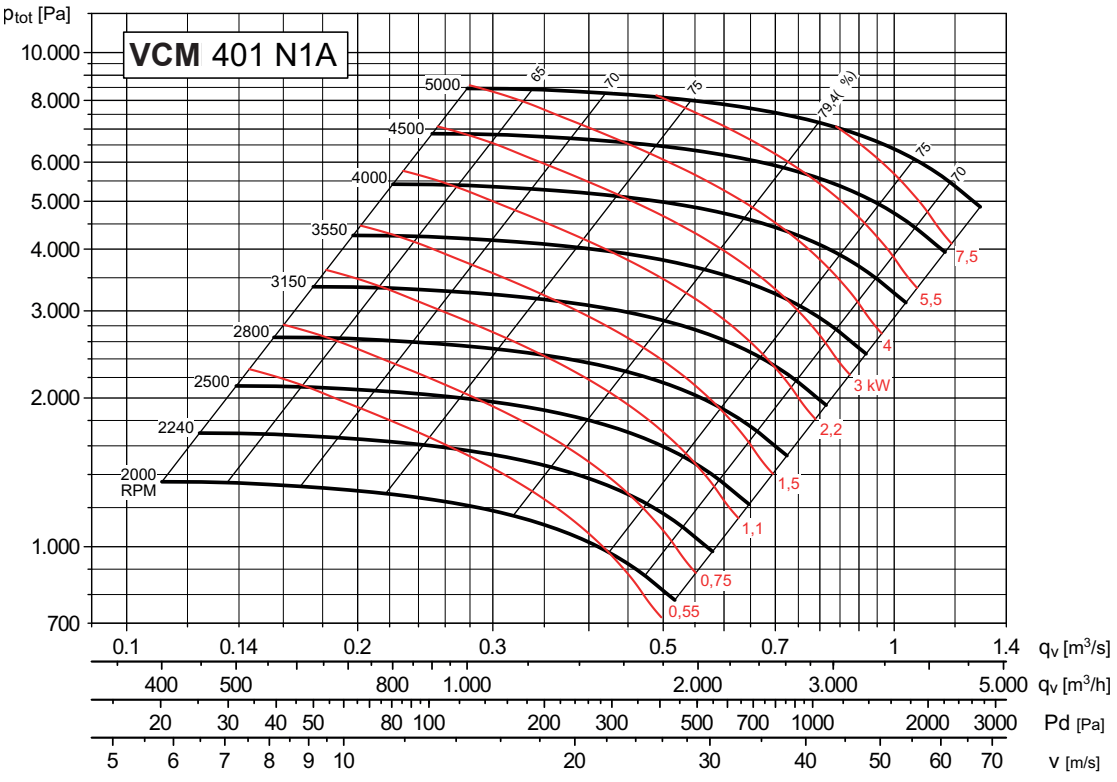
## CURVAS CARACTERÍSTICAS (a la descarga)

**- Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C= 5000 rpm
101 ÷ 220°C = 4500 rpm
201 ÷ 300°C = 4000 rpm

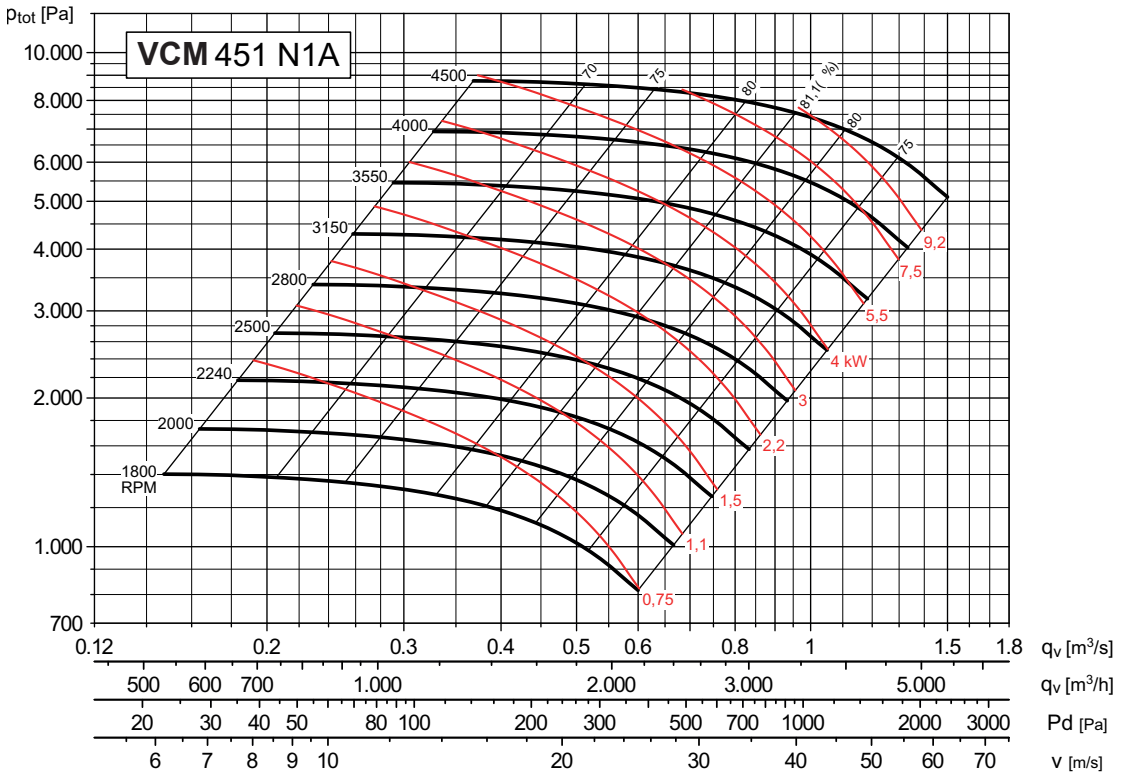



MAX. RPM

≤ 100°C = 4750 rpm
101 ÷ 220°C = 4250 rpm
201 ÷ 300°C = 3750 rpm

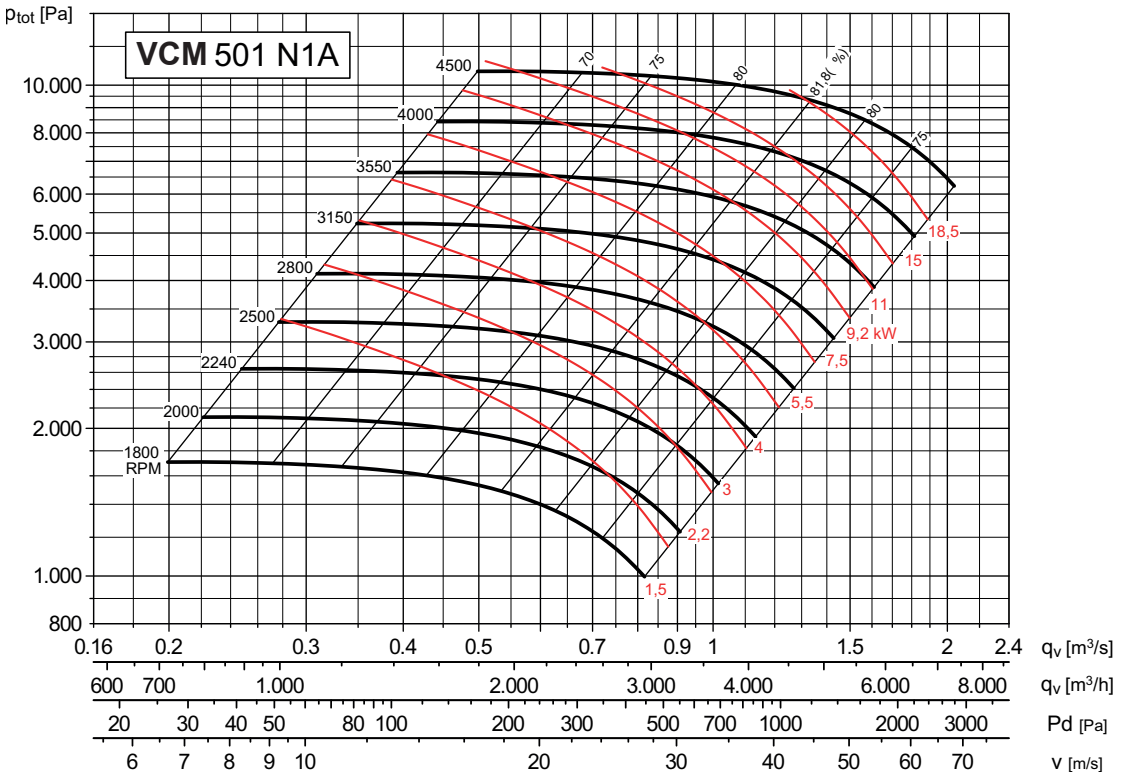
## CURVAS CARACTERÍSTICAS (a la descarga)

**- Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 4500 rpm
101 ÷ 220°C = 4000 rpm
201 ÷ 300°C = 3550 rpm

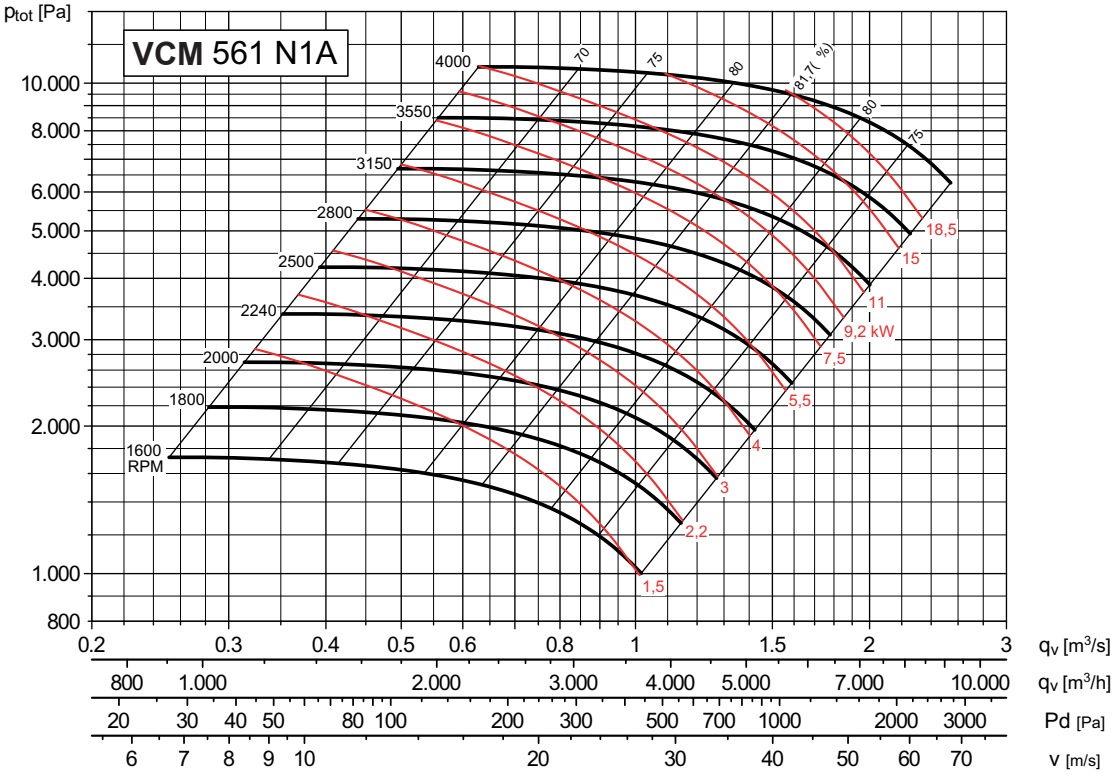



MAX. RPM

≤ 100°C = 4250 rpm
101 ÷ 220°C = 3750 rpm
201 ÷ 300°C = 3350 rpm

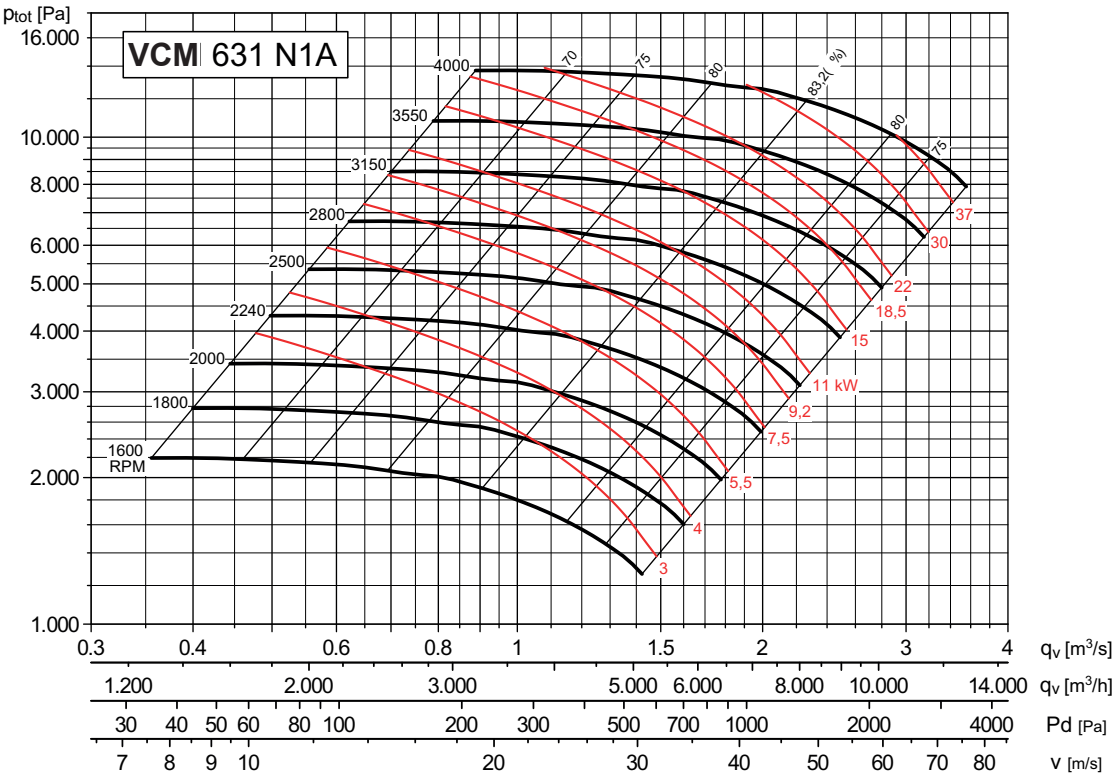
## CURVAS CARACTERÍSTICAS (a la descarga)

**- Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 4000 rpm
101 ÷ 220°C = 3550 rpm
201 ÷ 300°C = 3150 rpm

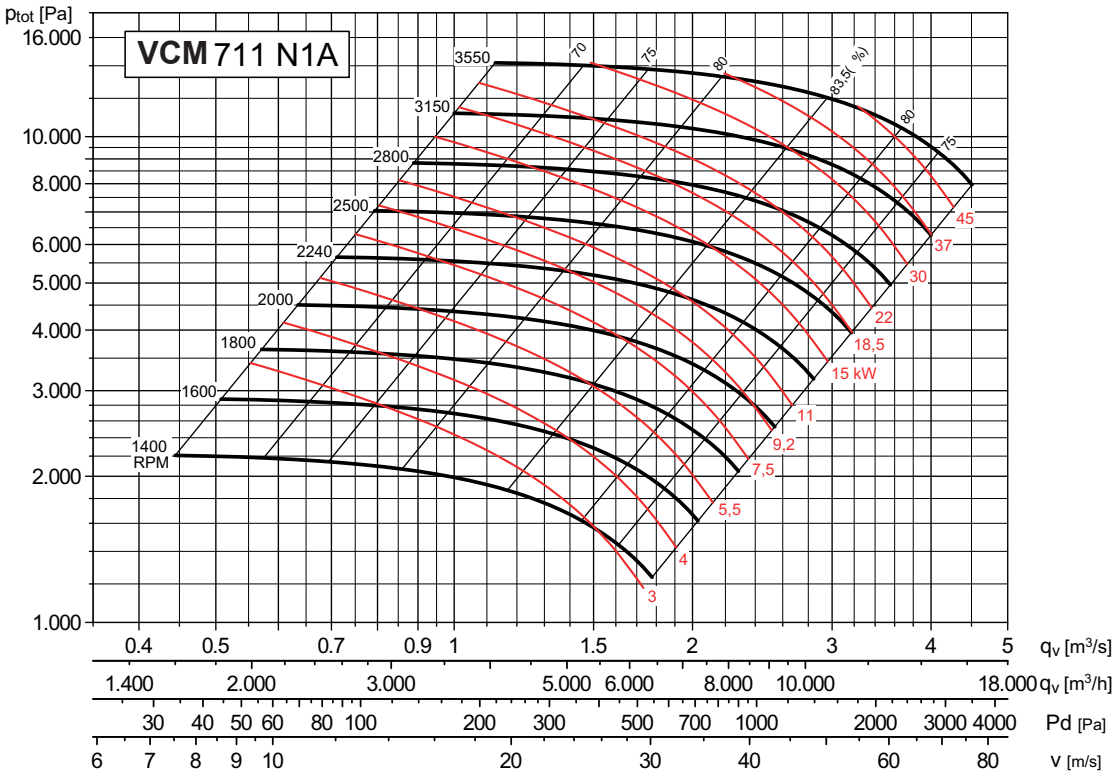



MAX. RPM

≤ 100°C = 3750 rpm
101 ÷ 220°C = 3350 rpm
201 ÷ 300°C = 3000 rpm

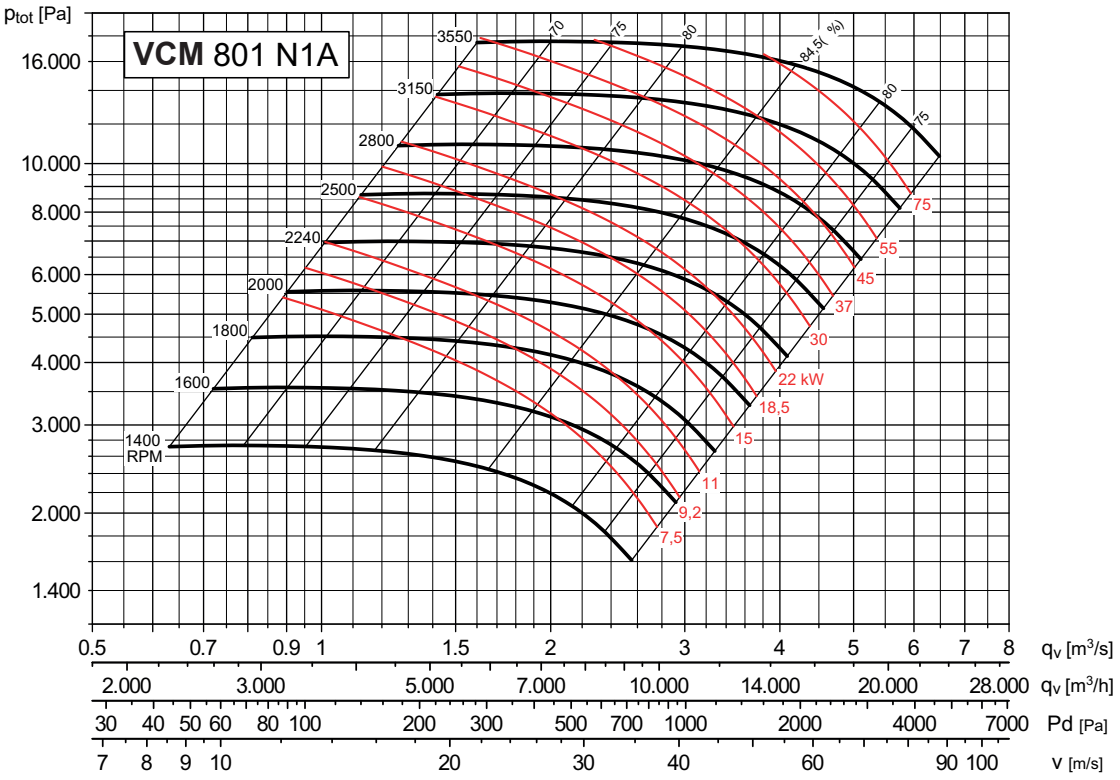
## CURVAS CARACTERÍSTICAS (a la descarga)

**- Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 3550 rpm
101 ÷ 220°C = 3150 rpm
201 ÷ 300°C = 2800 rpm

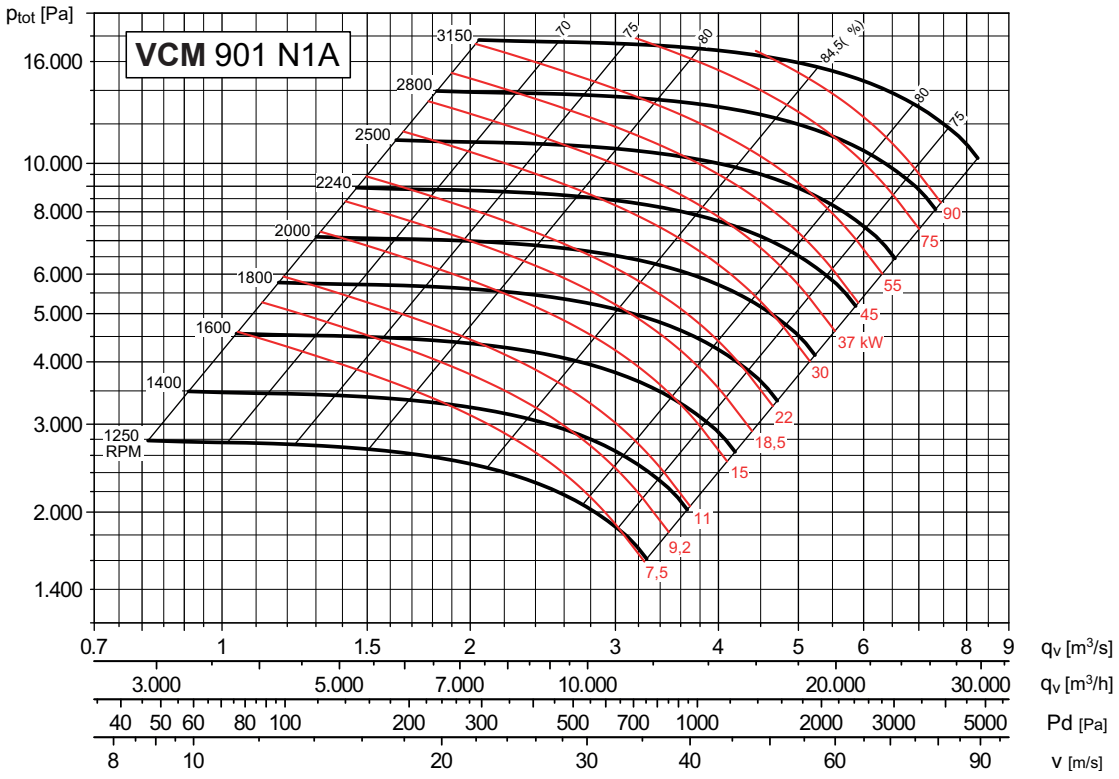



MAX. RPM

≤ 100°C = 3350 rpm
101 ÷ 220°C = 3000 rpm
201 ÷ 300°C = 2650 rpm

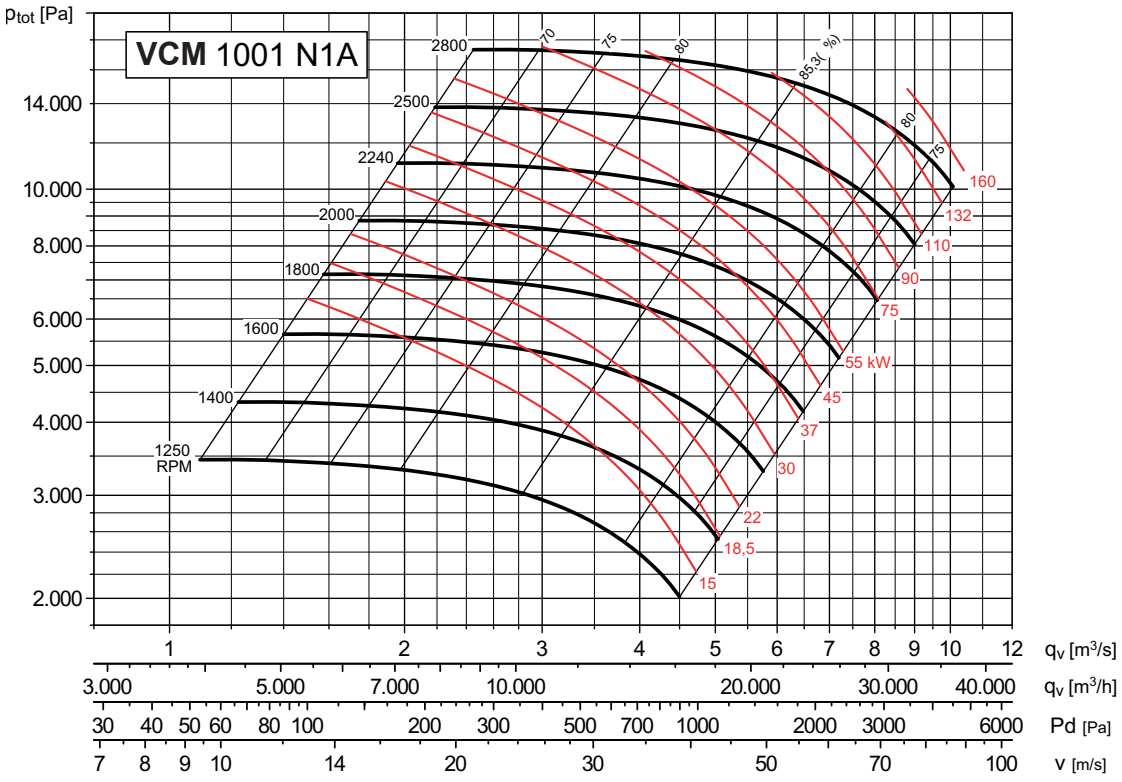
## CURVAS CARACTERÍSTICAS (a la descarga)

**- Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 3150 rpm
101 ÷ 220°C = 2800 rpm
201 ÷ 300°C = 2500 rpm

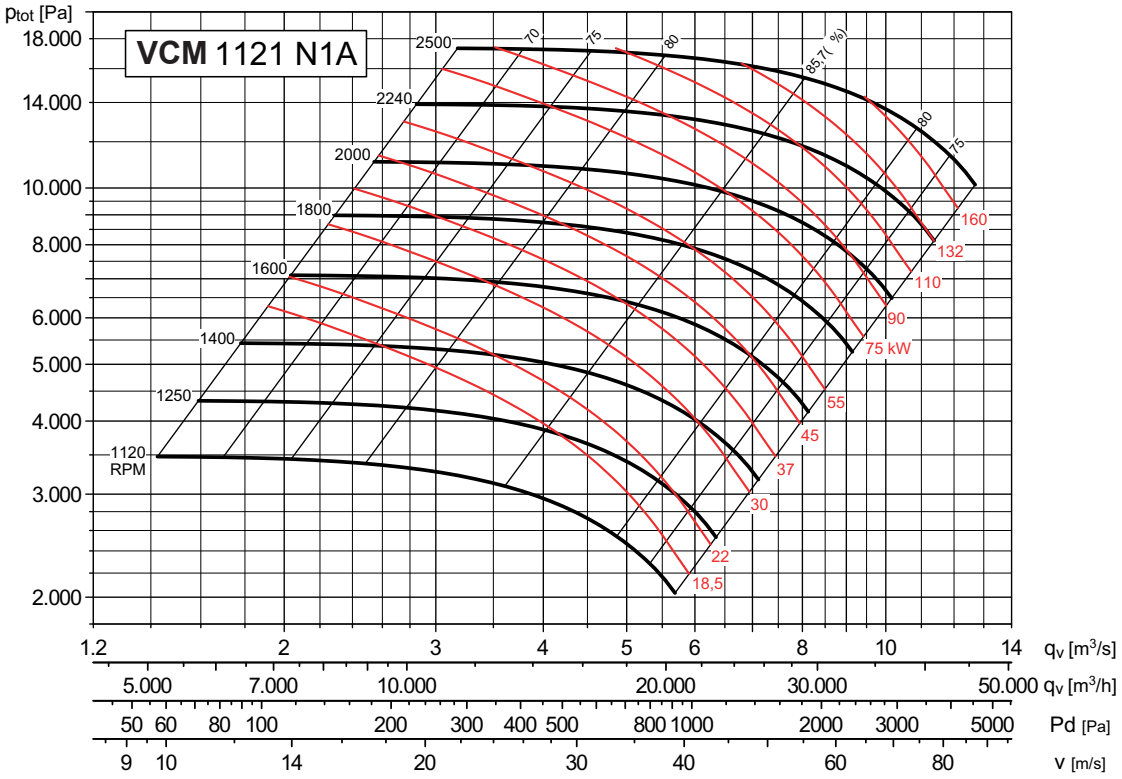



MAX. RPM

≤ 100°C = 3000 rpm
101 ÷ 220°C = 2650 rpm
201 ÷ 300°C = 2360 rpm

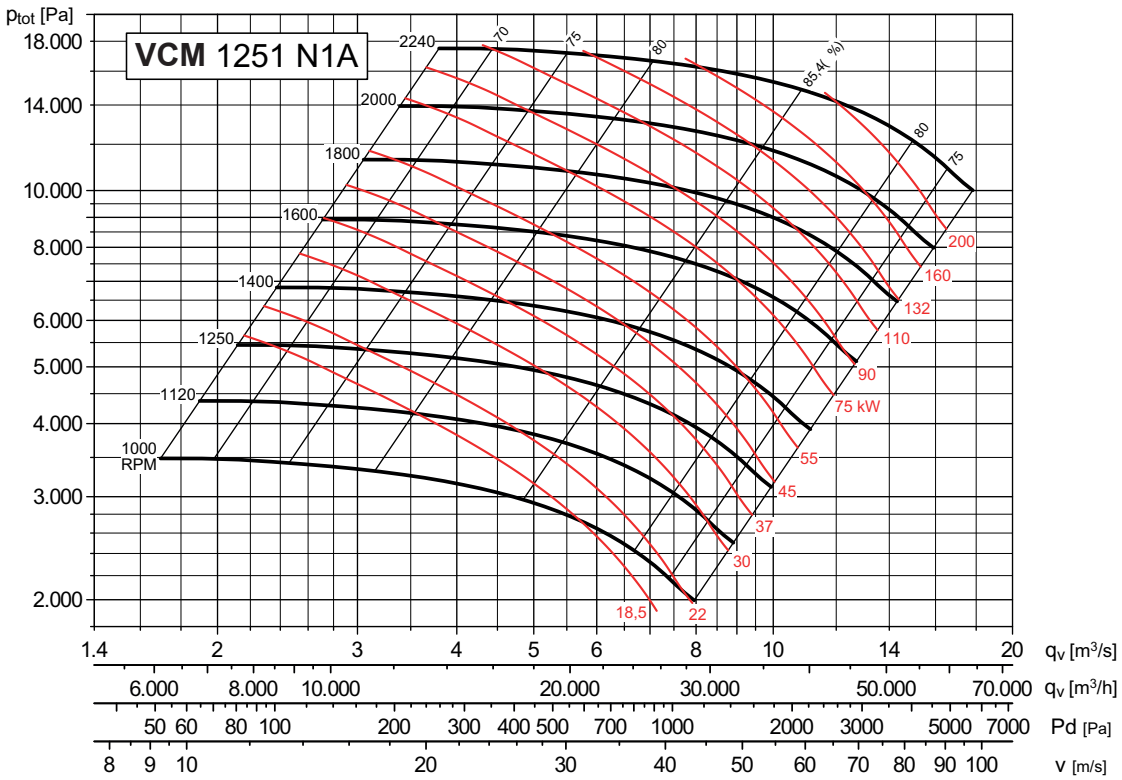
## CURVAS CARACTERÍSTICAS (a la descarga)

**- Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 2650 rpm
101 ÷ 220°C = 2360 rpm
201 ÷ 300°C = 2120 rpm

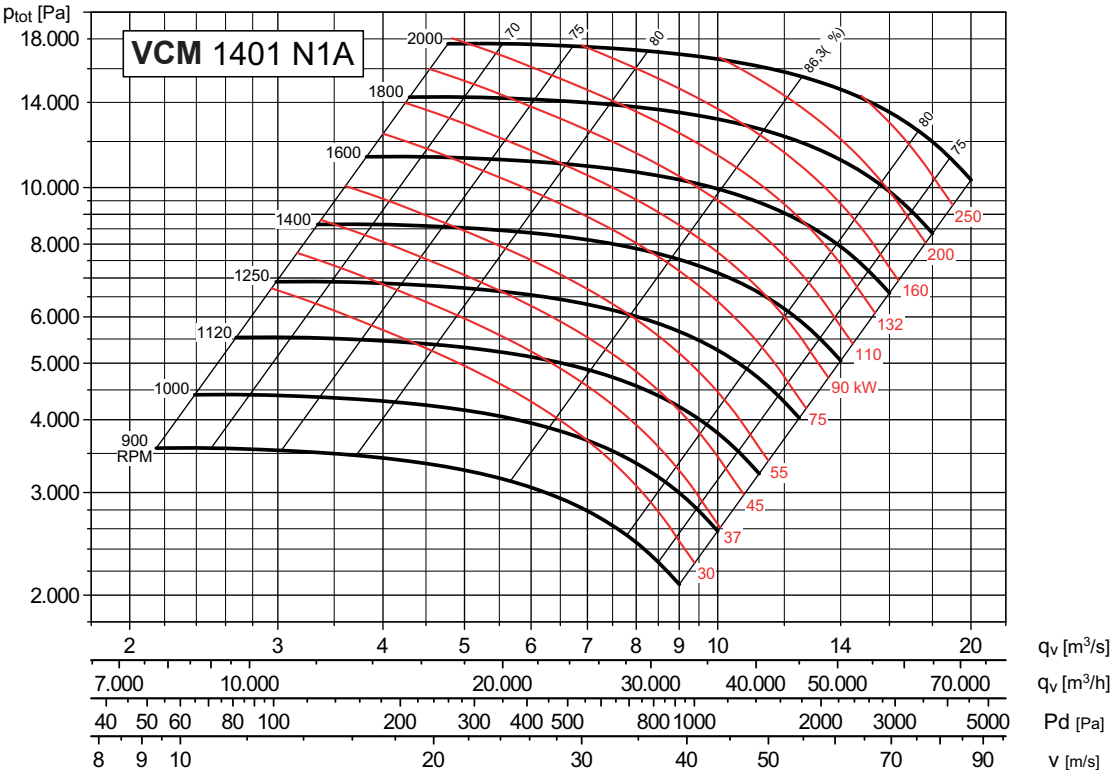



MAX. RPM

≤ 100°C = 2360 rpm
101 ÷ 220°C = 2120 rpm
201 ÷ 300°C = 1900 rpm

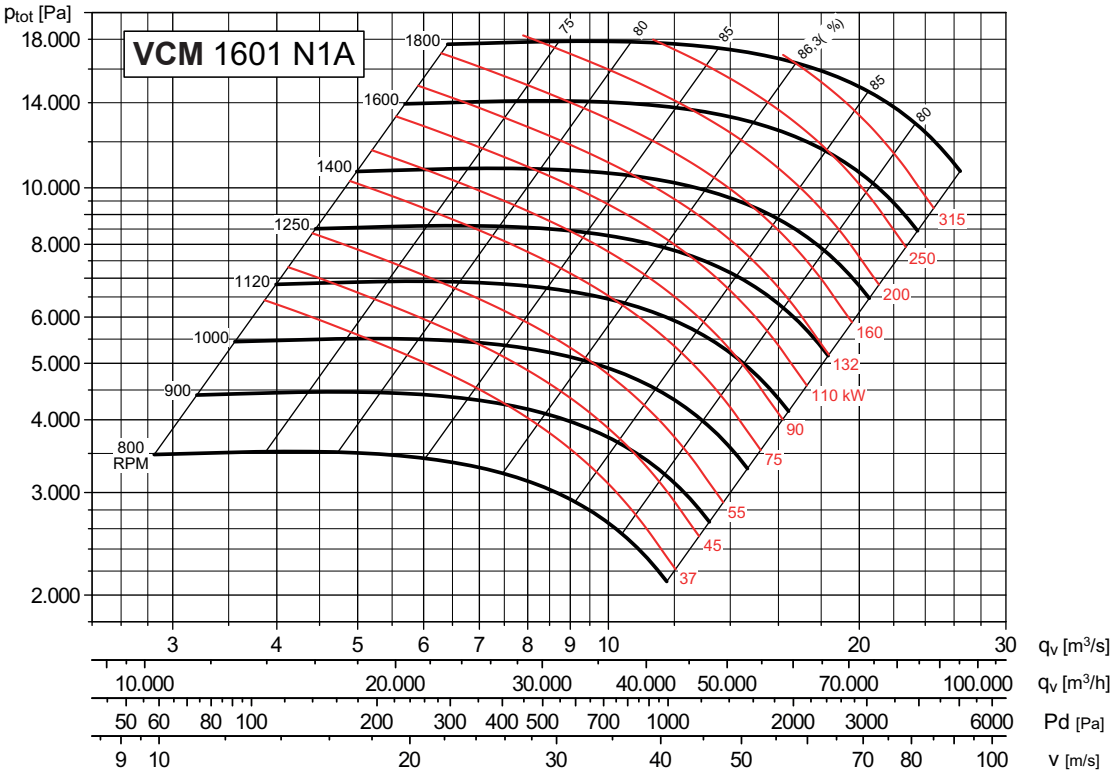
## CURVAS CARACTERÍSTICAS (a la descarga)

**- Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 2120 rpm
101 ÷ 220°C = 1900 rpm
201 ÷ 300°C = 1700 rpm

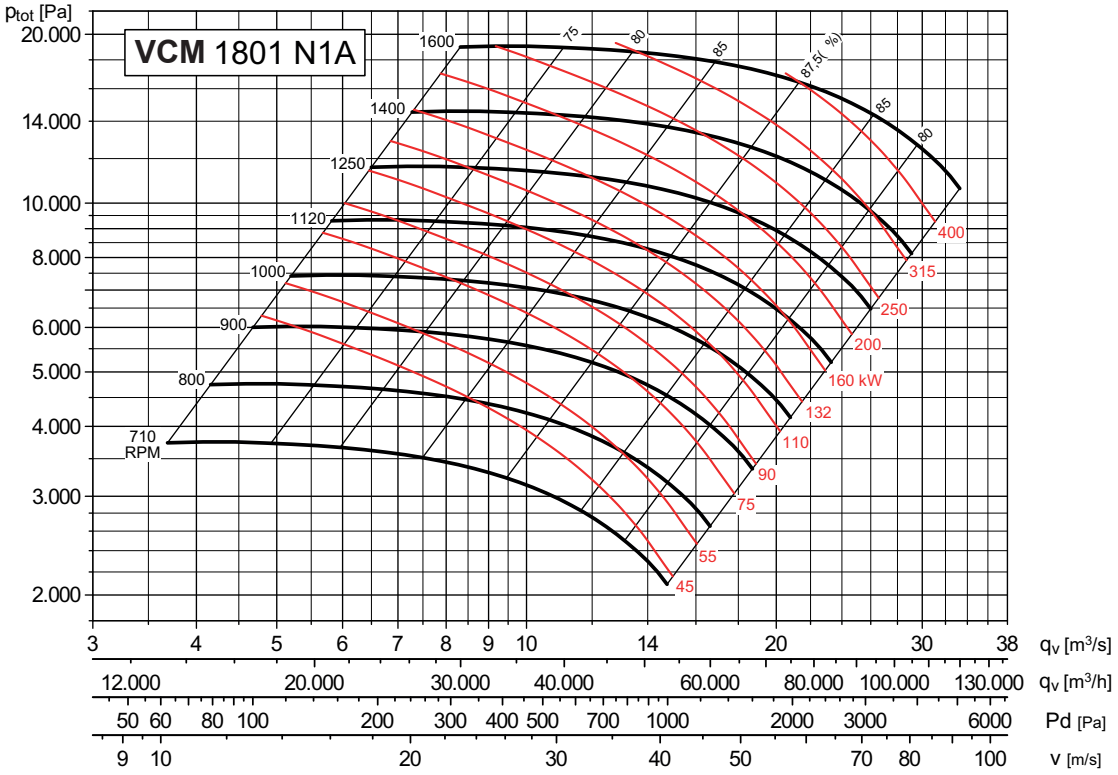



MAX. RPM

≤ 100°C = 1900 rpm
101 ÷ 220°C = 1700 rpm
201 ÷ 300°C = 1500 rpm

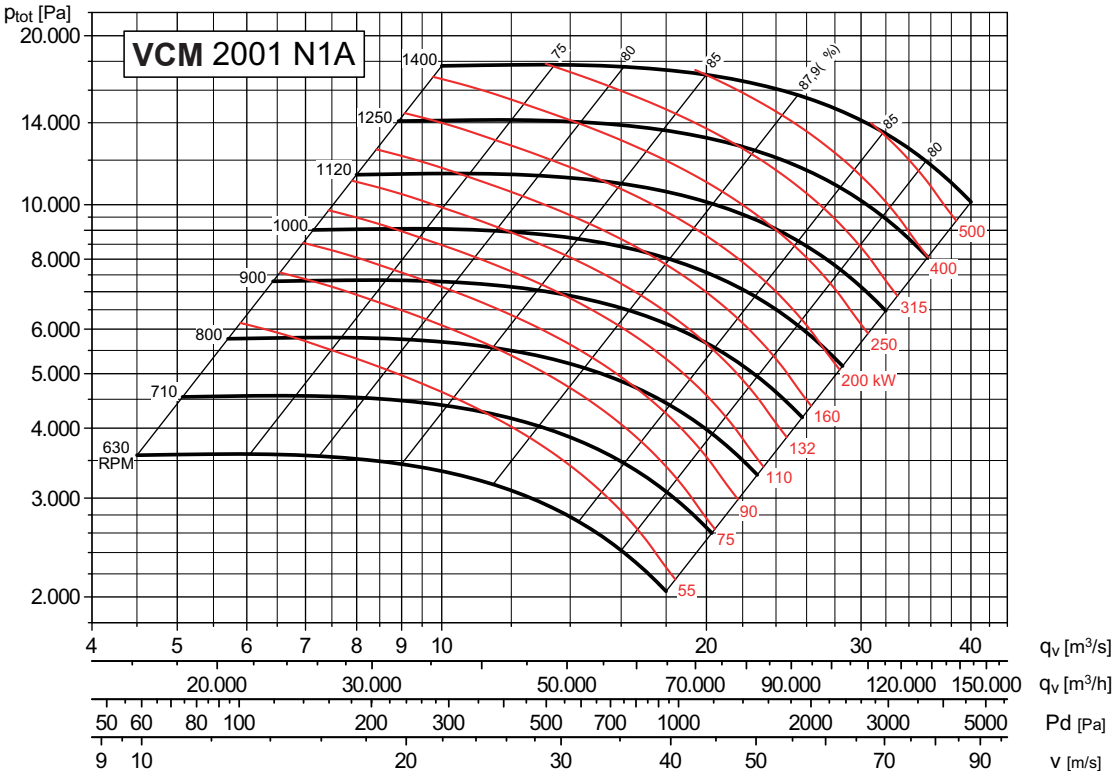
## CURVAS CARACTERÍSTICAS (a la descarga)

**- Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 1700 rpm
101 ÷ 200°C = 1500 rpm
201 ÷ 300°C = 1320 rpm

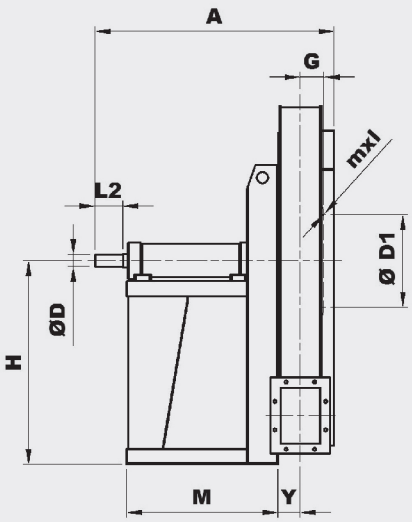


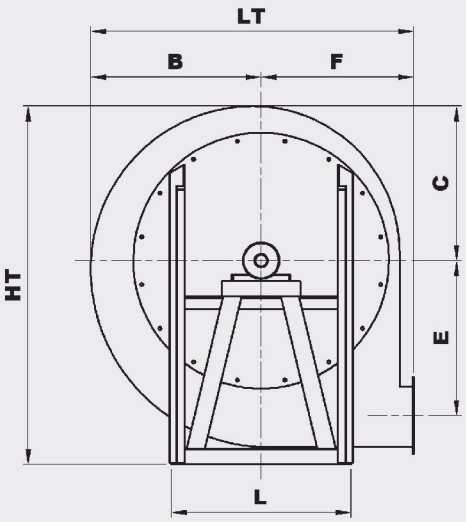

MAX. RPM

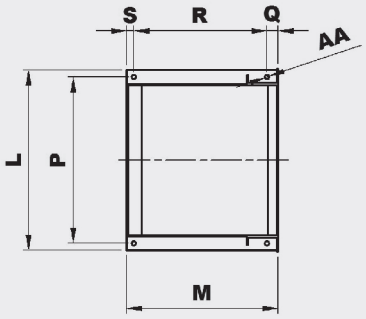
≤ 100°C = 1500 rpm
101 ÷ 220°C = 1320 rpm
201 ÷ 300°C = 1180 rpm

## DIMENSIONES (mm)

Modelos desde 351 hasta 1001



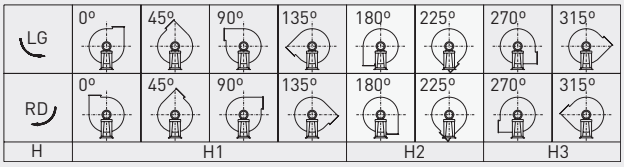




DESCARGA ORIENTABLE

EJECUCIÓN B
Con rodete de refrigeración, contactar con oficina técnica.

ORIENTACIONES

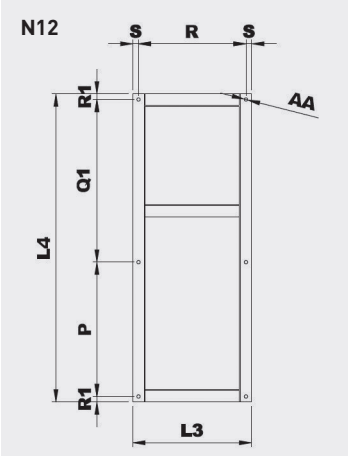



Para los ventiladores con orientaciones 180º y 225º, contactar con oficina técnica

| Modelo | | | | | | | | | | | | | | | | Eje | | Base | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | ØD1 | E | F | G | H | | | HT | mxl | Y | LT | L | ØD | L2 | P | M | Q | R | S | ØAA |
| | | | | | | | | H1 | H2 | H3 | | | | | | | | | | | | | |
| VCM 351 N1A | 540 | 285 | 260 | 219 | 220 | 250 | 61 | 355 | 250 | 355 | 615 | M6x20 | 56 | 535 | 324 | 50 | 24 | 288 | 333 | 17 | 299 | 17 | 12 |
| VCM 401 N1A | 695 | 310 | 280 | 241 | 242 | 280 | 67 | 375 | 280 | 375 | 655 | M6x20 | 61 | 590 | 400 | 60 | 28 | 355 | 463 | 23 | 417 | 23 | 14 |
| VCM 451 N1A | 742 | 345 | 315 | 265 | 269 | 300 | 76 | 400 | 300 | 400 | 715 | M6x20 | 70 | 645 | 400 | 80 | 38 | 355 | 475 | 40 | 412 | 23 | 14 |
| VCM 501 N1A | 780 | 380 | 350 | 292 | 302 | 335 | 83 | 450 | 335 | 450 | 800 | M8x25 | 78 | 715 | 400 | 80 | 38 | 355 | 485 | 45 | 417 | 23 | 14 |
| VCM 561 N1A | 905 | 430 | 390 | 332 | 343 | 375 | 92 | 500 | 375 | 500 | 890 | M8x25 | 87 | 805 | 418 | 110 | 42 | 364 | 571 | 67 | 476 | 28 | 17 |
| VCM 631 N1A | 920 | 485 | 440 | 366 | 381 | 425 | 104 | 560 | 425 | 560 | 1000 | M8x25 | 98 | 910 | 418 | 110 | 48 | 364 | 579 | 72 | 479 | 28 | 17 |
| VCM 711 N1A | 1010 | 540 | 490 | 405 | 426 | 475 | 115 | 530 | 475 | 630 | 1120 | M8x25 | 109 | 1015 | 606 | 110 | 48 | 542 | 645 | 73 | 539 | 33 | 19 |
| VCM 801 N1A | 1060 | 610 | 550 | 448 | 481 | 530 | 127 | 600 | 530 | 710 | 1260 | M8x25 | 121 | 1140 | 646 | 110 | 55 | 582 | 666 | 88 | 548 | 33 | 19 |
| VCM 901 N1A | 1150 | 685 | 620 | 497 | 542 | 600 | 144 | 670 | 600 | 800 | 1420 | M8x25 | 135 | 1285 | 762 | 140 | 65 | 682 | 650 | 39 | 572 | 39 | 21 |
| VCM 1001 N1A | 1300 | 760 | 690 | 551 | 607 | 670 | 160 | 750 | 670 | 900 | 1590 | M8x25 | 152 | 1430 | 862 | 170 | 80 | 782 | 710 | 39 | 632 | 39 | 21 |

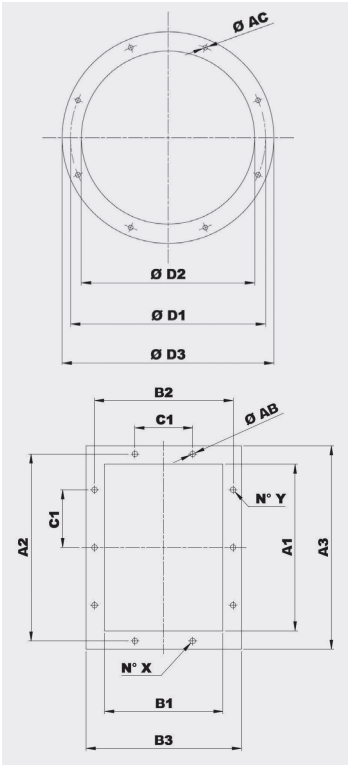
## DIMENSIONES (mm)

Modelos desde 351 hasta 1001




Bancada ejecución 12

| Modelo | P | L3 | L4 | Q1 | R | R1 | S | ØAA | Peso (kg) |
|---|---|---|---|---|---|---|---|---|---|
| 351 N12A | 288 | 333 | 850 | 526 | 299 | 18 | 17 | 12 | 23 |
| 401 N12A | 355 | 463 | 1050 | 650 | 417 | 22,5 | 23 | 14 | 33 |
| 451 N12A | 355 | 458 | 1060 | 660 | 412 | 22,5 | 23 | 14 | 35 |
| 501 N12A | 355 | 463 | 1120 | 720 | 417 | 22,5 | 23 | 14 | 43 |
| 561 N12A | 364 | 532 | 1180 | 762 | 476 | 27 | 28 | 17 | 55 |
| 631 N12A | 364 | 535 | 1250 | 832 | 479 | 27 | 28 | 17 | 58 |
| 711 N12A | 542 | 605 | 1500 | 894 | 539 | 32 | 33 | 19 | 72 |
| 801 N12A | 582 | 614 | 1600 | 954 | 548 | 32 | 33 | 19 | 122 |
| 901 N12A | 682 | 650 | 1800 | 1038 | 572 | 40 | 39 | 21 | 153 |
| 1001 N12A | 782 | 710 | 2100 | 1238 | 632 | 40 | 39 | 21 | 230 |




Brida aspiración

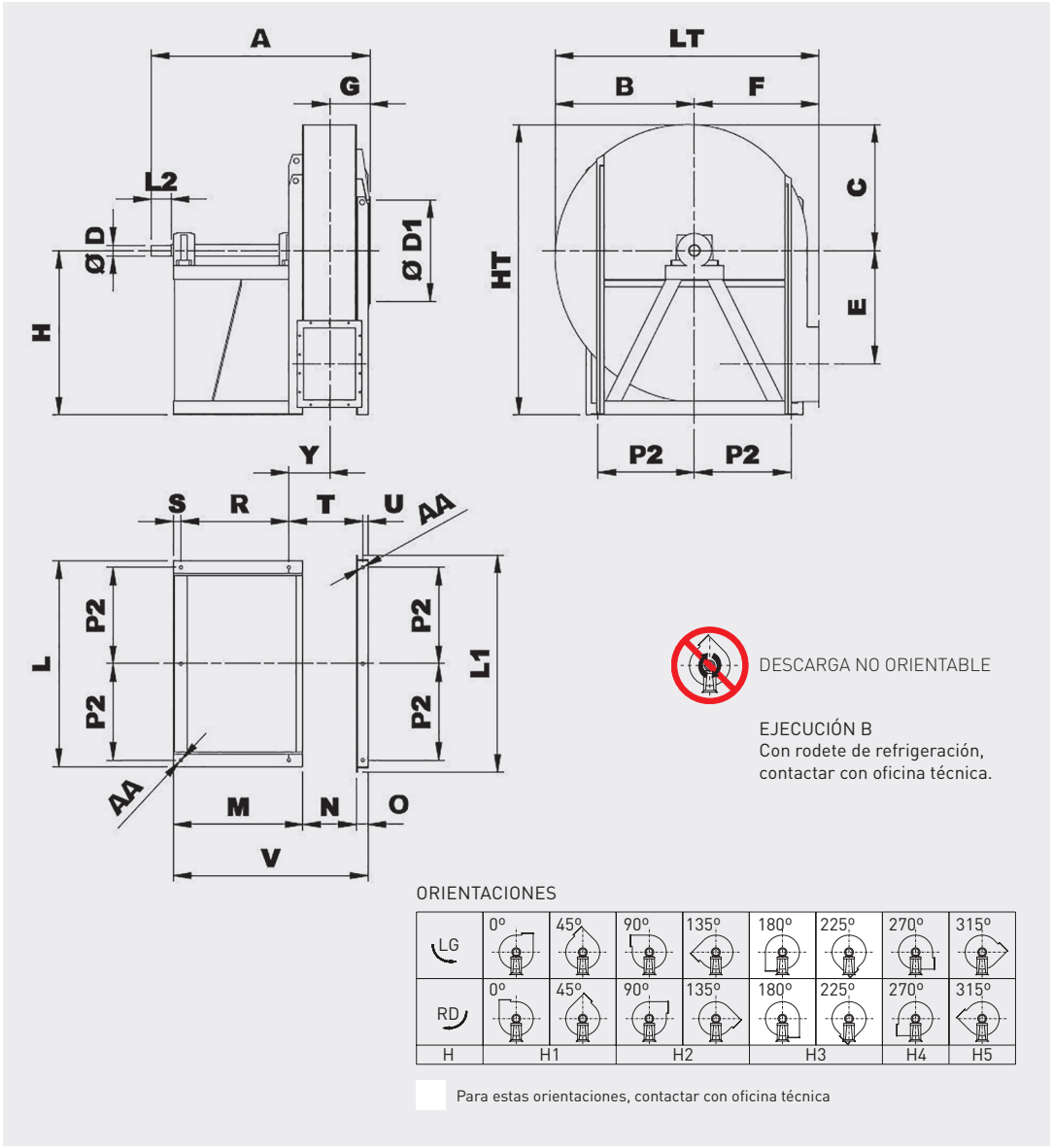
| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 351 | 180 | 219 | 184 | 254 | 8 | 8 |
| 401 | 200 | 241 | 204 | 274 | 8 | 8 |
| 451 | 224 | 265 | 228 | 298 | 8 | 8 |
| 501 | 250 | 292 | 254 | 324 | 10 | 8 |
| 561 | 280 | 332 | 285 | 365 | 10 | 8 |
| 631 | 315 | 366 | 320 | 400 | 10 | 8 |
| 711 | 355 | 405 | 360 | 440 | 10 | 8 |
| 801 | 400 | 448 | 405 | 485 | 10 | 12 |
| 901 | 450 | 497 | 455 | 535 | 10 | 12 |
| 1001 | 500 | 551 | 505 | 585 | 10 | 12 |

Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 351 | 140x100 | 146 | 105 | 182 | 139 | 216 | 175 | 112 | 12 | 1+1 | 2+2 |
| 401 | 160x112 | 164 | 117 | 200 | 151 | 234 | 187 | 112 | 12 | 1+1 | 2+2 |
| 451 | 180x125 | 183 | 131 | 219 | 165 | 253 | 201 | 112 | 12 | 1+1 | 2+2 |
| 501 | 200x140 | 205 | 146 | 241 | 182 | 275 | 216 | 112 | 12 | 2+2 | 2+2 |
| 561 | 224x160 | 229 | 164 | 265 | 200 | 299 | 234 | 112 | 12 | 2+2 | 2+2 |
| 631 | 250x180 | 256 | 183 | 292 | 219 | 326 | 253 | 112 | 12 | 2+2 | 3+3 |
| 711 | 280x200 | 288 | 205 | 332 | 249 | 368 | 285 | 125 | 12 | 2+2 | 3+3 |
| 801 | 315x224 | 322 | 229 | 366 | 273 | 402 | 309 | 125 | 12 | 2+2 | 3+3 |
| 901 | 355x250 | 361 | 256 | 405 | 300 | 441 | 336 | 125 | 12 | 2+2 | 3+3 |
| 1001 | 400x280 | 404 | 288 | 448 | 332 | 484 | 368 | 125 | 12 | 3+3 | 4+4 |

## DIMENSIONES (mm)

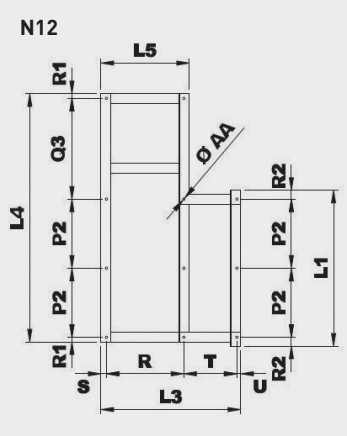
Modelos desde 1121 hasta 2001




| Modelo | A | B | C | ØD1 | E | F | G | H | | | | | HT | LT | Eje | | Base | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | H1 | H2 | H3 | H4 | H5 | | | ØD | L2 | L | L1 | M | N | O | P2 | R | S | T | U | V | Y | ØAA |
| VCM 1121 N1A | 1338 | 850 | 770 | 629 | 684 | 750 | 241 | 850 | 850 | 750 | 1000 | 1000 | 1770 | 1600 | 80 | 170 | 1268 | 1348 | 710 | 322 | 80 | 589 | 600 | 55 | 422 | 35 | 1112 | 216 | 24 |
| VCM 1251 N1A | 1455 | 955 | 865 | 698 | 772 | 850 | 271 | 950 | 950 | 850 | 1120 | 1120 | 1985 | 1805 | 80 | 170 | 1400 | 1480 | 800 | 361 | 80 | 655 | 710 | 45 | 451 | 35 | 1241 | 226 | 24 |
| VCM 1401 N1A | 1629 | 1070 | 970 | 775 | 864 | 950 | 302 | 1060 | 1060 | 950 | 1250 | 1250 | 2220 | 2020 | 80 | 170 | 1560 | 1640 | 935 | 404 | 80 | 725 | 780 | 55 | 549 | 35 | 1419 | 302 | 24 |
| VCM 1601 N1A | 1868 | 1254 | 1082 | 861 | 965 | 1060 | 342 | 1200 | 1120 | 1060 | 1400 | 1400 | 2482 | 2314 | 90 | 170 | 1750 | 1850 | 1102 | 453 | 80 | 820 | 917 | 65 | 628 | 45 | 1655 | 327 | 28 |
| VCM 1801 N1A | 1972 | 1406 | 1217 | 958 | 1090 | 1180 | 379 | 1330 | 1250 | 1180 | 1550 | 1400 | 2767 | 2586 | 100 | 210 | 1950 | 2070 | 1102 | 507 | 120 | 915 | 917 | 65 | 692 | 55 | 1729 | 374 | 28 |
| VCM 2001 N1A | 2049 | 1558 | 1353 | 1067 | 1215 | 1320 | 425 | 1500 | 1400 | 1320 | 1800 | 1600 | 3153 | 2878 | 100 | 210 | 2150 | 2270 | 1102 | 569 | 120 | 1015 | 917 | 65 | 754 | 55 | 1791 | 405 | 28 |

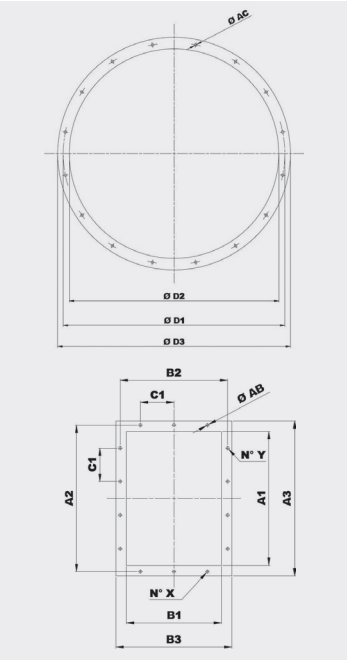
## DIMENSIONES (mm)

Modelos desde 1121 hasta 2001




Bancada ejecución 12

| Modelo | P2 | L1 | L3 | L4 | L5 | Q3 | R | R1 | R2 | S | T | U | ØAA | Peso (kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1121 N12A | 589 | 1348 | 1112 | 2334 | 710 | 1066 | 600 | 45 | 85 | 55 | 422 | 35 | 24 | 240 |
| 1251 N12A | 655 | 1480 | 1241 | 2630 | 800 | 1230 | 710 | 45 | 85 | 45 | 451 | 35 | 24 | 256 |
| 1401 N12A | 725 | 1640 | 1419 | 2800 | 890 | 1240 | 780 | 55 | 95 | 55 | 549 | 35 | 24 | 270 |
| 1601 N12A | 820 | 1850 | 1655 | 2945 | 1047 | 1195 | 917 | 55 | 105 | 65 | 928 | 45 | 28 | 350 |
| 1801 N12A | 915 | 2070 | 1729 | 3245 | 1047 | 1295 | 917 | 60 | 120 | 65 | 692 | 55 | 28 | - |
| 2001 N12A | 1015 | 2270 | 1791 | 3500 | 1047 | 1350 | 917 | 60 | 120 | 65 | 754 | 55 | 28 | - |




Brida aspiración

| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 1121 | 560 | 629 | 566 | 666 | 10 | 12 |
| 1251 | 630 | 698 | 636 | 736 | 10 | 12 |
| 1401 | 710 | 775 | 716 | 816 | 12 | 16 |
| 1601 | 800 | 861 | 806 | 906 | 12 | 16 |
| 1801 | 900 | 958 | 906 | 1006 | 12 | 16 |
| 2001 | 1000 | 1067 | 1007 | 1107 | 12 | 24 |

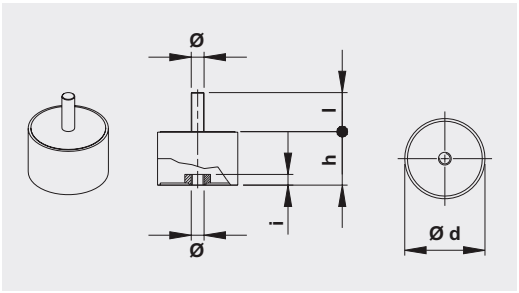
Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1121 | 450x315 | 453 | 322 | 497 | 366 | 533 | 402 | 125 | 12 | 3+3 | 4+4 |
| 1251 | 500x355 | 507 | 361 | 551 | 405 | 587 | 441 | 125 | 12 | 3+3 | 4+4 |
| 1401 | 560x400 | 569 | 404 | 629 | 464 | 669 | 504 | 160 | 14 | 3+3 | 4+4 |
| 1601 | 630x450 | 638 | 453 | 698 | 513 | 738 | 553 | 160 | 14 | 3+3 | 4+4 |
| 1801 | 710x500 | 715 | 507 | 775 | 567 | 815 | 607 | 160 | 14 | 3+3 | 5+5 |
| 2001 | 800x560 | 801 | 569 | 871 | 639 | 921 | 689 | 200 | 14 | 3+3 | 4+4 |

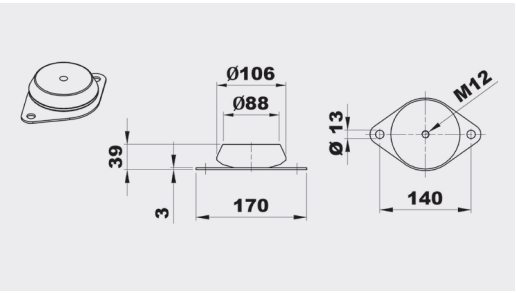
## AMORTIGUADORES

Amortiguadores recomendados

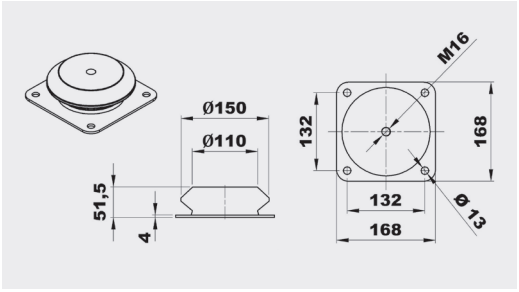
| Ventilador | Ejecución 9 | Ejecución 12 |
|---|---|---|
| 351/2 | 4 x AM 25 - 25x20 | 4 x AM 30 - 30x30 |
| 401/2 | 4 x AM 30 - 30x30 | 4 x AM 30 - 30x30 |
| 451/2 | 4 x AM 30 - 30x30 | 4 x AM 40 - 40x30 |
| 501/2 | 4 x AM 40 - 40x30 | 4 x AM 50 - 50x40 |
| 561/2 | 4 x AM 50 - 50x40 | 4 x AM 50 - 50x40 |
| 631/2 | 4 x AM 50 - 50x40 | 4 x AM 75 - 75x50 |
| 711/2 | 4 x AM 75 - 75x50 | 4 x AM 75 - 75x50 |
| 801/2 | 4 x AM 75 - 75x50 | 4 x AZ 39 - 140x39 |
| 901/2 | 4 x AZ 39 - 140x39 | 4 x AZ 39 - 140x39 |
| 1001/2 | 4 x AZ 39 - 140x39 | 4 x AZ 39 - 140x39 |
| 1121 | 6 x AZ 39 - 140x39 | 6 x AZ 51 - 132x51 |
| 1251 | 6 x AZ 51 - 132x51 | 6 x AZ 51 - 132x51 |
| 1401 | - | 6 x AZ 51 - 132x51 |
| 1601 | - | 6 x AZ 63 - 150x63 |
| 1801 | - | 6 x AZ 63 - 150x63 |
| 2001 | - | 6 x AZ 63 - 150x63 |



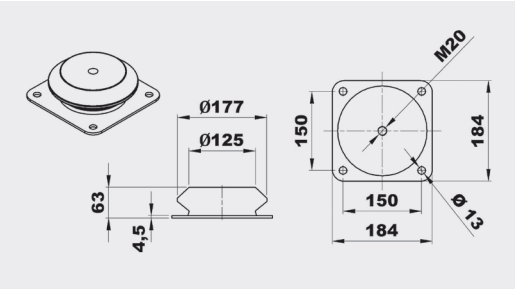

| Tipo | Carga para 4 soportes (kg) | d | h | Ø | l | Peso (kg) |
|---|---|---|---|---|---|---|
| AM 25 | 41÷80 | 25 | 20 | M6 | 18 | 0,03 |
| AM 30 | 81÷140 | 30 | 30 | M8 | 20 | 0,05 |
| AM 40 | 141÷224 | 40 | 30 | M8 | 23 | 0,10 |
| AM 50 | 225÷315 | 50 | 40 | M10 | 28 | 0,20 |
| AM 75 | 316÷630 | 75 | 50 | M12 | 37 | 0,50 |




| Tipo | Carga para 4 soportes (kg) | Peso (kg) |
|---|---|---|
| AZ 39 | 631÷1250 | 0,7 |

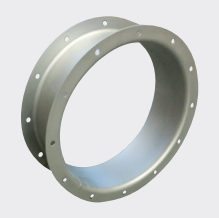



| Tipo | Carga para 4 soportes (kg) | Peso (kg) |
|---|---|---|
| AZ 51 | 1251÷2500 | 1,8 |

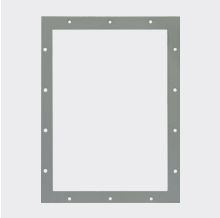



| Tipo | Carga para 4 soportes (kg) | Peso (kg) |
|---|---|---|
| AZ 63 | 2501÷5000 | 2,5 |

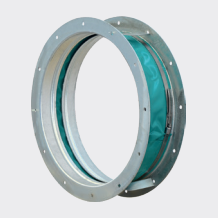
## ACCESORIOS



**CA (CFH1) - CFH2 - CFH3**
Contrabrida - Brida plana circular.



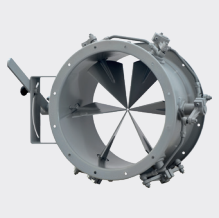
**CP**
Brida plana rectangular.



**GA**
Junta flexible aspiración.



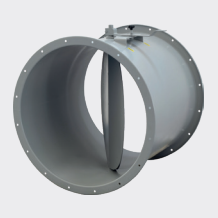
**GP**
Junta flexible descarga.



**DP**
Regulador de caudal de aspiración.



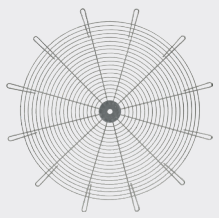
**SAD**
Compuerta de regulación de caudal de descarga.



**SF**
Vávula mariposa.



**DF**
Filtro en la aspiración.



**RC**
Rejilla de protección para la aspiración.



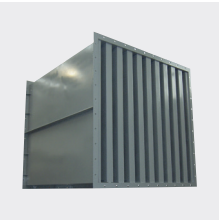
**AM/AZ**
Soportes antivibratorios.



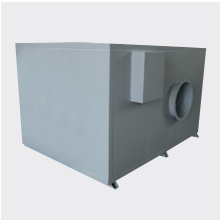
**SCSO**
Silenciador cilíndrico.



**SCCO**
Silenciador cilíndrico con bulbo.



**SASS**
Silenciador rectangular.



**CI**
Cabina de insonorización.

Ver información completa en página **772**.

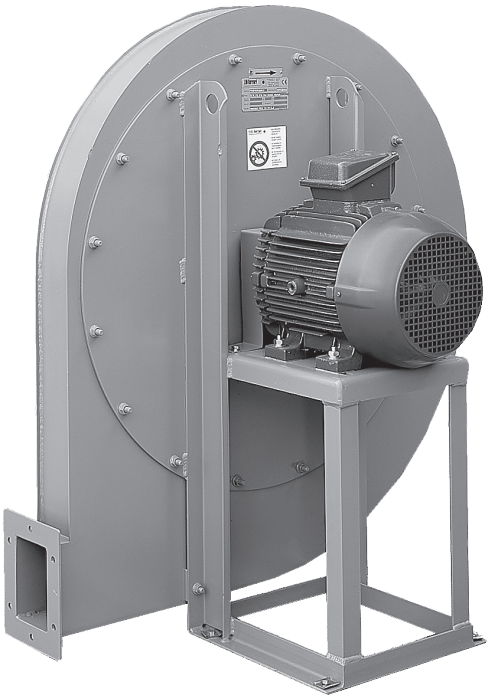
# FP-N

## VENTILADORES CENTRÍFUGOS DE MEDIA PRESIÓN

*ACOPLAMIENTO DIRECTO*

ErP OK

Ventilador centrífugo de acoplamiento directo y simple aspiración. Fabricados en chapa de acero protegida contra la corrosión mediante tratamiento por cataforesis + pintura poliuretana. Temperaturas del aire a transportar -20ºC/+100ºC en continuo.



APLICACIONES

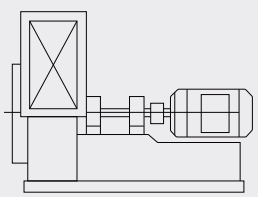
**Aire a transportar**
Ligeramente polvoriento

**Cantidad de polvo (mg/m³)**
<150



Rodete de álabes curvados hacia atrás

**SISTEMA 8:** acoplamiento mediante junta elástica.



Disponible bajo pedido

**Motores**
De 2 polos, de alta eficiencia IE 3*, tensión de alimentación trifásica 230/400V 50Hz hasta tamaño motor 112 y 400/690V 50Hz para motores de mayor dimensión. Protección IP55, Clase F.

* Entre 75 y 200kW, los motores suministrados serán IE4.

**Bajo pedido**
- Fabricación en diferentes materiales constructivos.
- Motores de 2 velocidades.
- Versiones de 60 Hz.
- Pintura en diferentes RAL.
- Versión sin pie soporte (Motor-Brida, Sistema 5), hasta tamaño de motor 160.
- Versión para alta temperatura: hasta 220ºC (versiones B: con rodete de refrigeración).
- SISTEMA 8: acoplamiento mediante junta elástica.
- Trampilla de inspección, purga de drenaje, distintos tipos de estanqueidad a nivel de voluta y de paso de eje.
- Ventiladores estancos.
- Calorifugado.

**Versiones ATEX**
Bajo pedido, versiones antiexplosivas según la Directiva ATEX para modelos trifásicos:
Para trabajar a temperaturas de -20ºC a +60ºC, presión ambiente (absoluta) de 0,8 bar hasta 1,1 bar, según EN 14986.
- Gas:
  - Ex 2G IIB T2-T3-T4*
  - Ex 2G IIB+H2 T2-T3-T4*
  - Ex 3G IIB T2-T3-T4*
  - Ex 3G IIB+H2 T2-T3-T4*
- Polvo no conductivo:
  - Ex 2D IIIB T125°C*-T135°C*-T195°C-T295°C
  - Ex 3D IIIB T125°C*-T135°C*-T195°C-T295°C
- Polvo conductivo (con motor IP65 IIIC):
  - Ex 2D IIIC T125°C*-T135°C*-T195°C-T295°C
  - Ex 3D IIIC T125°C*-T135°C*-T195°C-T295°C

* Viabilidad técnica solicitada.

## CARACTERÍSTICAS TÉCNICAS

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación

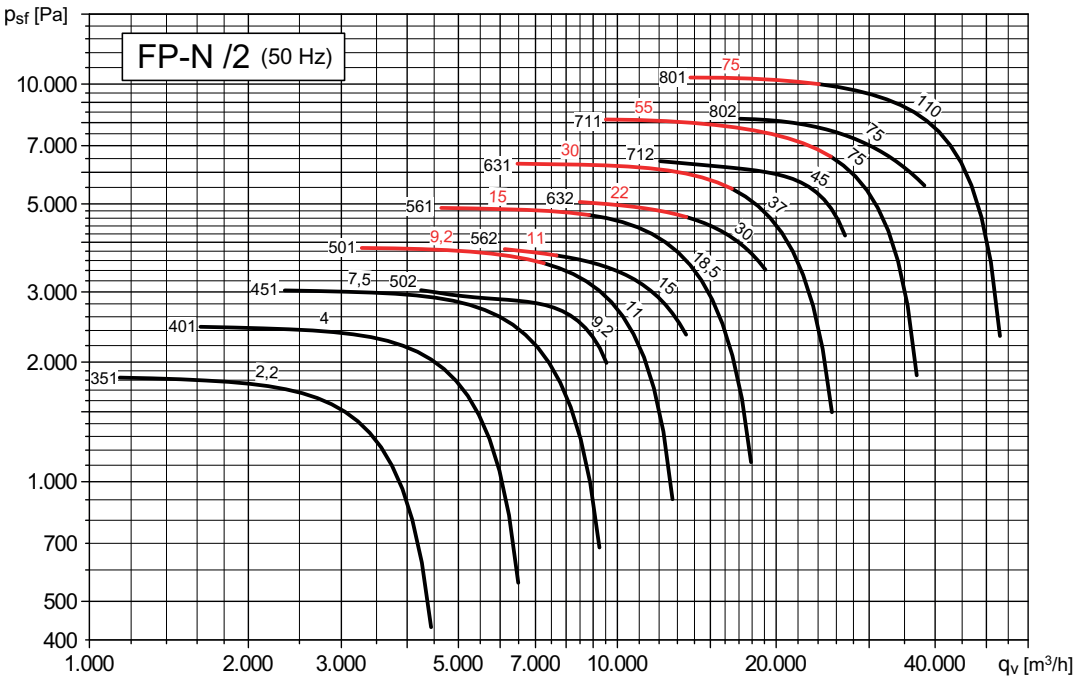
| Modelo | Tamaño motor | Velocidad (r.p.m.) | Potencia motor (kW) | Intensidad motor 400V (A) | Caudal máximo ($m^3/h$) | Nivel presión sonora a 1 m (dB(A))[1] | Peso (kg)[2] | Momento de inercia ($kg \cdot m^2$)[3] |
|---|---|---|---|---|---|---|---|---|
| 2 POLOS | | | | | | | | |
| FP 351/2 N4A | 90L2 | 2850 | 2,2 | 4,43 | 4.440 | 70 | 70 | 0,11 |
| FP 401/2 N4A | 112M2 | 2910 | 4,0 | 7,50 | 6.490 | 74 | 105 | 0,20 |
| FP 451/2 N4A | 132SB2 | 2890 | 7,5 | 13,90 | 9.250 | 77 | 152 | 0,33 |
| FP 502/2 N4A | 132MB2 | 2900 | 9,2 | 16,60 | 9.540 | 80 | 208 | 0,45 |
| FP 501/2 N4A | 132MB2 | 2900 | 9,2 | 16,60 | 7.260 | 81 | 212 | 0,60 |
| FP 501/2 N4A | 160MR2 | 2930 | 11,0 | 18,70 | 12.730 | 81 | 242 | 0,60 |
| FP 562/2 N4A | 160MR2 | 2930 | 11,0 | 18,70 | 7.670 | 83 | 275 | 0,78 |
| FP 562/2 N4A | 160M2 | 2935 | 15,0 | 25,40 | 13.500 | 83 | 282 | 0,78 |
| FP 561/2 N4A | 160M2 | 2935 | 15,0 | 25,40 | 8.840 | 84 | 286 | 0,95 |
| FP 561/2 N4A | 160L2 | 2935 | 18,5 | 33,30 | 17.920 | 84 | 299 | 0,95 |
| FP 632/2 N4A | 180M2 | 2940 | 22,0 | 39,00 | 13.510 | 87 | 350 | 1,23 |
| FP 632/2 N4A | 200LR2 | 2960 | 30,0 | 53,50 | 19.080 | 87 | 465 | 1,23 |
| FP 631/2 N4A | 200LR2 | 2960 | 30,0 | 53,50 | 16.490 | 88 | 478 | 1,45 |
| FP 631/2 N4A | 200L2 | 2960 | 37,0 | 65,60 | 25.500 | 88 | 503 | 1,45 |
| FP 712/2 N4A | 225M2 | 2960 | 45,0 | 77,60 | 27.000 | 90 | 661 | 2,35 |
| FP 711/2 N4A | 250M2 | 2960 | 55,0 | 93,50 | 25.380 | 91 | 664 | 2,90 |
| FP 711/2 N4A | 280S2 | 2960 | 75,0 | 126,00 | 36.920 | 91 | 763 | 2,90 |
| FP 802/2 N4A | 280SM2 | 2960 | 75,0 | 126,00 | 38.160 | 92 | 865 | 4,00 |
| FP 801/2 N4A | 280M2 | 2960 | 90,0 | 151,00 | 22.030 | 93 | 869 | 5,00 |
| FP 801/2 N4A | 315S2 | 2970 | 110,0 | 186,00 | 53.080 | 94 | 1.028 | 5,00 |

[1] Entubado en la descarga
Tolerancia del nivel de ruido de +3dB/A, medido en el punto de máxima eficiencia
[2] Con motor incluido y para orientación LG270 o RD270
[3] Momento de inercia del rodete

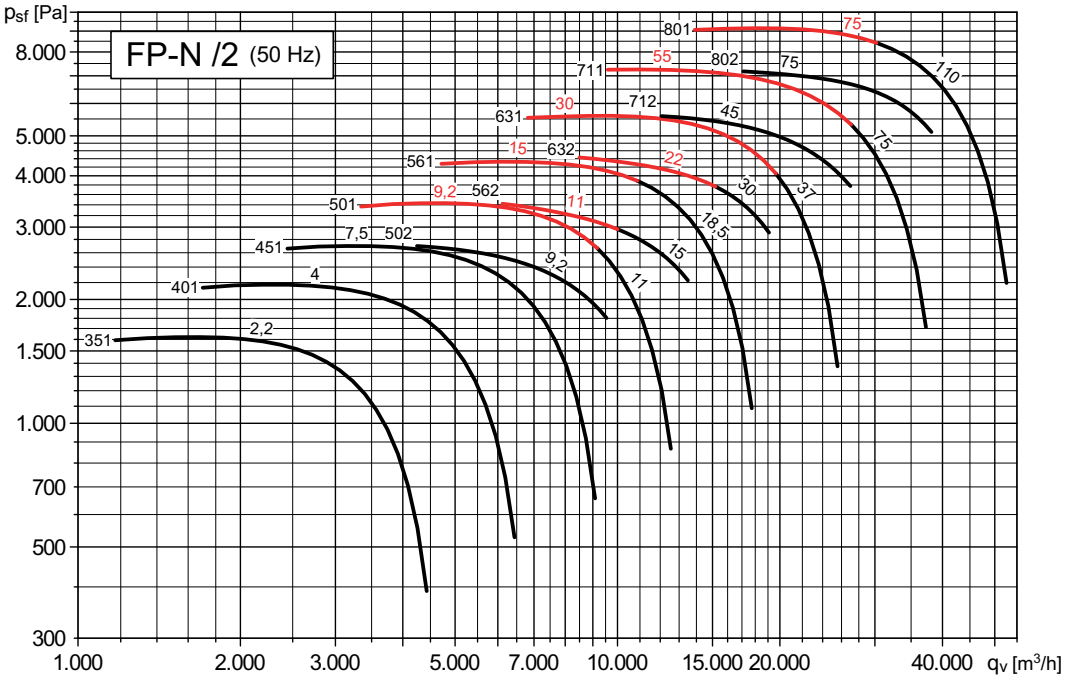
## CURVAS CARACTERÍSTICAS (a la descarga/ a la aspiración)

- Ventiladores ensayados con la aspiración y la descarga entubadas
- Caudal en $m^3/h$
- **Psf: Presión estática en Pa**
- Modelo - Potencia motor en kW
- Ejemplo: 711 - 55 o 75
  Modelo - kW

2 polos - Descarga - Modelos desde 351 hasta 801

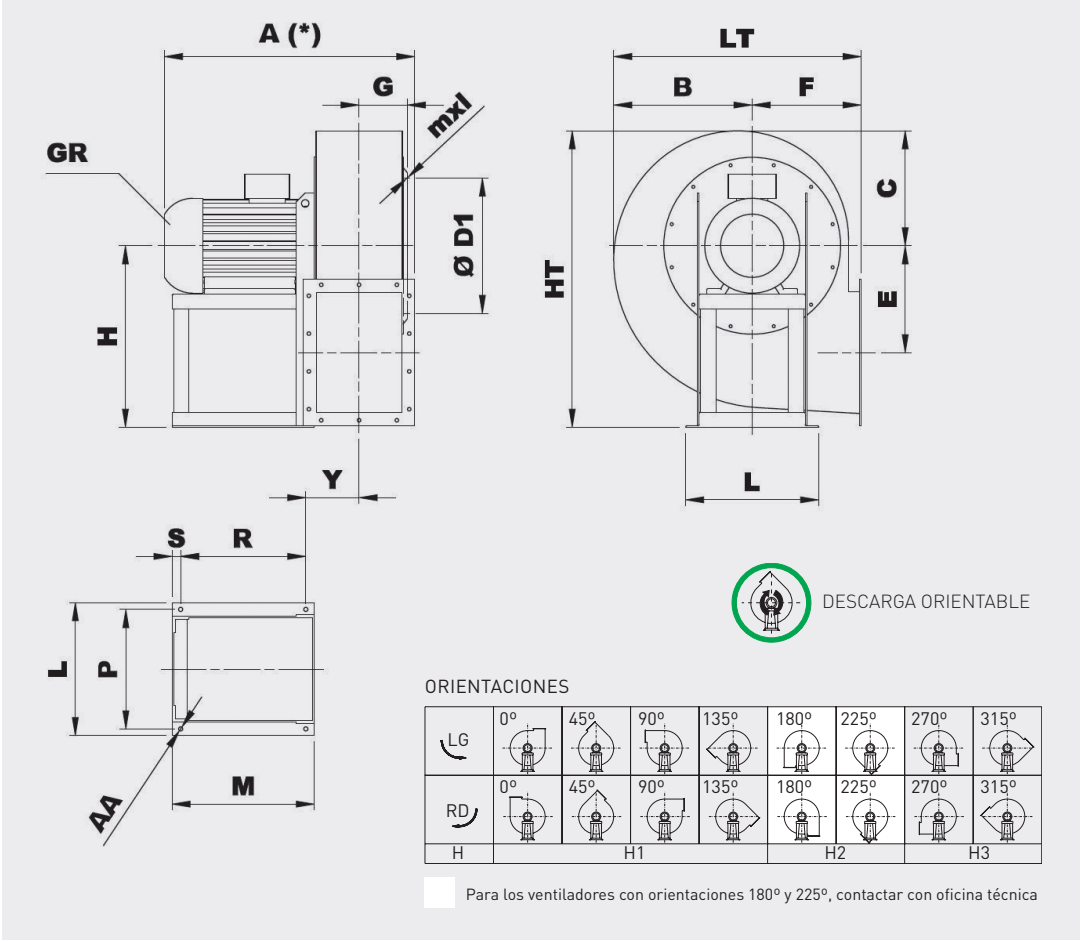



2 polos - Aspiración - Modelos desde 351 hasta 801



## DIMENSIONES (mm)

Modelos desde 351 hasta 501

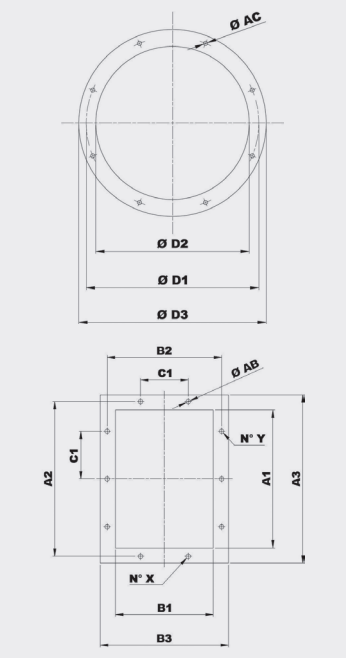



| Modelo | | | | | | | | | | | | | | | Base | | | | | | Ejecución 4B[1] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Motor GR | A* | B | C | ØD1 | E | F | G | H | | | HT | mxl | Y | LT | L | P | M | R | S | ØAA | A | Y | R | M |
| | | | | | | | | | H1 | H2 | H3 | | | | | | | | | | | | | | |
| FP 351/2 N4A | 90L2 | 530 | 340 | 295 | 332 | 253 | 255 | 105 | 450 | 255 | 450 | 745 | M8x20 | 165 | 595 | 260 | 234 | 260 | 183 | 17 | 10 | 575 | 165 | 183 | 260 |
| FP 401/2 N4A | 112M2 | 630 | 375 | 330 | 366 | 286 | 285 | 130 | 500 | 285 | 500 | 830 | M8x20 | 141 | 660 | 324 | 289 | 310 | 264 | 23 | 12 | 675 | 141 | 264 | 310 |
| FP 451/2 N4A | 132SB2 | 670 | 425 | 370 | 405 | 321 | 320 | 143 | 560 | 320 | 560 | 930 | M8x20 | 155 | 745 | 372 | 337 | 360 | 314 | 23 | 12 | 725 | 155 | 314 | 360 |
| FP 501/2 N4A | 132MB2 | 750 | 470 | 410 | 448 | 354 | 360 | 159 | 600 | 360 | 600 | 1010 | M8x20 | 171 | 830 | 372 | 337 | 360 | 314 | 23 | 12 | 761 | 171 | 314 | 360 |
| FP 501/2 N4A | 160MR2 | 830 | 470 | 410 | 448 | 354 | 360 | 159 | 600 | 360 | 600 | 1010 | M8x20 | 176 | 830 | 440 | 395 | 470 | 414 | 28 | 14 | 866 | 176 | 414 | 470 |
| FP 502/2 N4A | 132MB2 | 750 | 470 | 410 | 448 | 354 | 360 | 159 | 600 | 360 | 600 | 1010 | M8x20 | 171 | 830 | 372 | 337 | 360 | 314 | 23 | 12 | 761 | 171 | 314 | 360 |

[1] Con rodete de refrigeración
* Según tamaño motor

## DIMENSIONES (mm)

Modelos desde 351 hasta 501




Brida aspiración

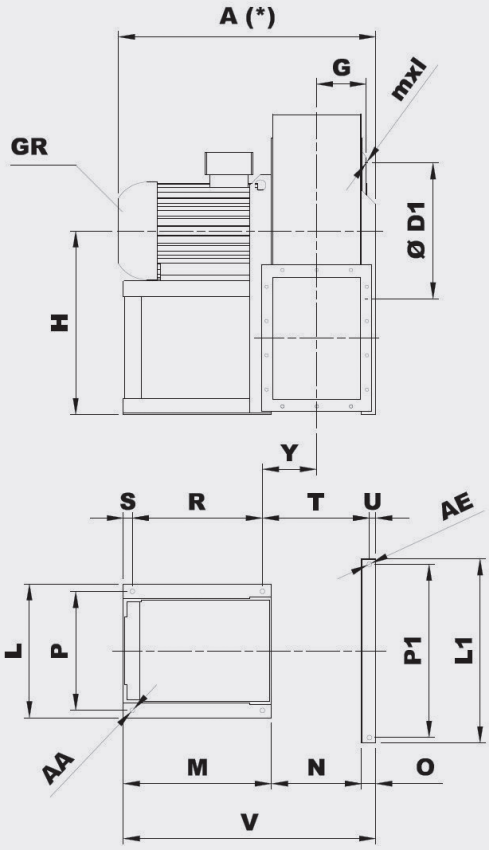
| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 351 | 280 | 332 | 285 | 365 | 10 | 8 |
| 401 | 315 | 366 | 320 | 400 | 10 | 8 |
| 451 | 355 | 405 | 360 | 440 | 10 | 8 |
| 501 | 400 | 448 | 405 | 485 | 10 | 12 |

Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 351 | 280x200 | 288 | 205 | 332 | 249 | 368 | 285 | 125 | 12 | 2+2 | 3+3 |
| 401 | 315x224 | 322 | 229 | 366 | 273 | 402 | 309 | 125 | 12 | 2+2 | 3+3 |
| 451 | 355x250 | 361 | 256 | 405 | 300 | 441 | 336 | 125 | 12 | 2+2 | 3+3 |
| 501 | 400x280 | 404 | 288 | 448 | 332 | 484 | 368 | 125 | 12 | 3+3 | 4+4 |

## DIMENSIONES (mm)

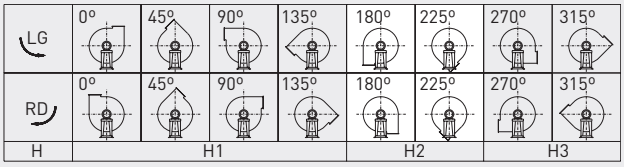
Modelos desde 561 hasta 631






DESCARGA ORIENTABLE

ORIENTACIONES




Para los ventiladores con orientaciones 180º y 225º, contactar con oficina técnica

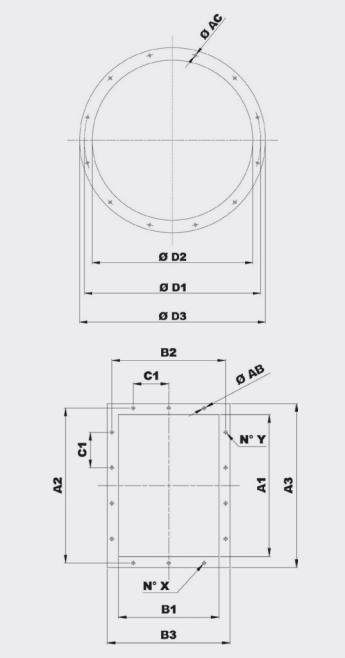
| Modelo | | Base | | | | | | | | | | | | | | | | | | | | Ejecución 4B[1] | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Motor GR | A* | B | C | ØD1 | E | F | G | H | | | HT | mxl | Y | LT | L | P | L1 | P1 | M | N | O | R | S | T | U | V | ØAA | ØAE | A | Y | Q | R | M | T | V |
| | | | | | | | | | H1 | H2 | H3 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FP 561/2 N4A | 160ML2 | 880 | 550 | 455 | 497 | 391 | 400 | 181 | 670 | 400 | 670 | 1121 | M8x20 | 193 | 954 | 440 | 395 | 672 | 632 | 470 | 329 | 52 | 414 | 28 | 386 | 23 | 851 | 241 | 14 | 935 | 193 | – | 414 | 470 | 386 | 851 |
| FP 562/2 N4A | 160M2 | 880 | 550 | 455 | 497 | 391 | 400 | 181 | 670 | 400 | 670 | 1121 | M8x20 | 193 | 954 | 440 | 395 | 672 | 632 | 470 | 329 | 52 | 414 | 28 | 386 | 23 | 851 | 241 | 14 | 935 | 193 | – | 414 | 470 | 386 | 851 |
| FP 631/2 N4A | 200L2 | 1075 | 615 | 515 | 551 | 441 | 450 | 200 | 750 | 450 | 750 | 1265 | M8x20 | 267 | 1065 | 568 | 506 | 762 | 702 | 500 | 369 | 52 | 381 | 39 | 478 | 23 | 921 | 273 | 19 | 1145 | 321 | 152 | 381 | 555 | 533 | 976 |
| FP 632/2 N4A | 180M2 | 950 | 615 | 515 | 551 | 441 | 450 | 200 | 750 | 450 | 750 | 1265 | M8x20 | 219 | 1065 | 488 | 434 | 762 | 702 | 540 | 369 | 52 | 474 | 33 | 431 | 23 | 961 | 267 | 17 | 1061 | 219 | – | 474 | 540 | 431 | 961 |
| FP 632/2 N4A | 200LR2 | 1075 | 615 | 515 | 551 | 441 | 450 | 200 | 750 | 450 | 750 | 1265 | M8x20 | 267 | 1065 | 568 | 506 | 762 | 702 | 500 | 369 | 52 | 381 | 39 | 478 | 23 | 921 | 273 | 19 | 1145 | 321 | 152 | 381 | 555 | 533 | 976 |

[1] Con rodete de refrigeración

* Según tamaño motor

## DIMENSIONES (mm)

Modelos desde 561 hasta 631




Brida aspiración

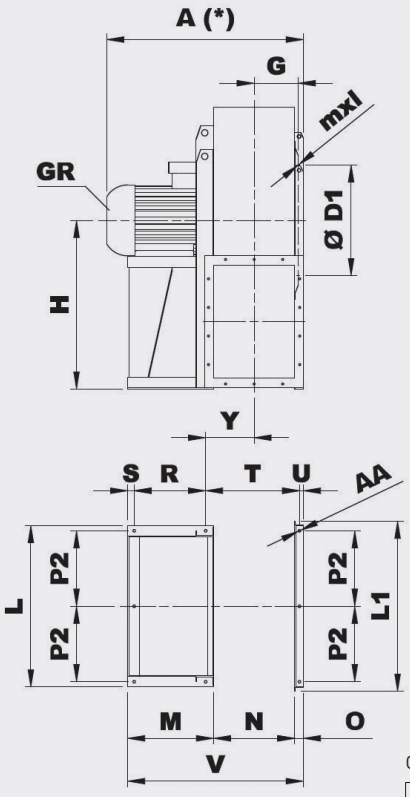
| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 561 | 450 | 497 | 455 | 535 | 10 | 12 |
| 631 | 500 | 551 | 505 | 585 | 10 | 12 |

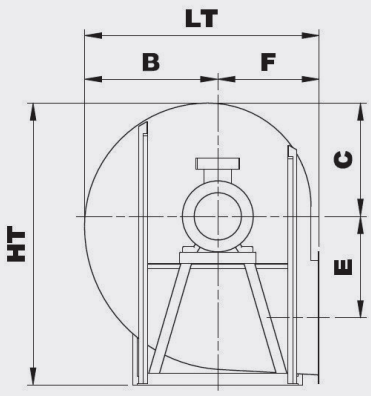
Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 561 | 450x315 | 453 | 322 | 497 | 366 | 533 | 402 | 125 | 12 | 3+3 | 4+4 |
| 631 | 500x355 | 507 | 361 | 551 | 405 | 587 | 441 | 125 | 12 | 3+3 | 4+4 |

## DIMENSIONES (mm)

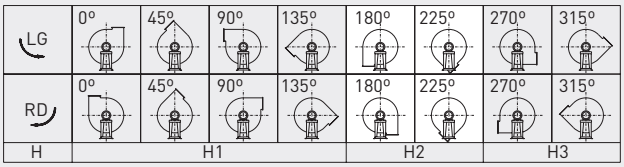
Modelos desde 711 hasta 801




DESCARGA NO ORIENTABLE

ORIENTACIONES



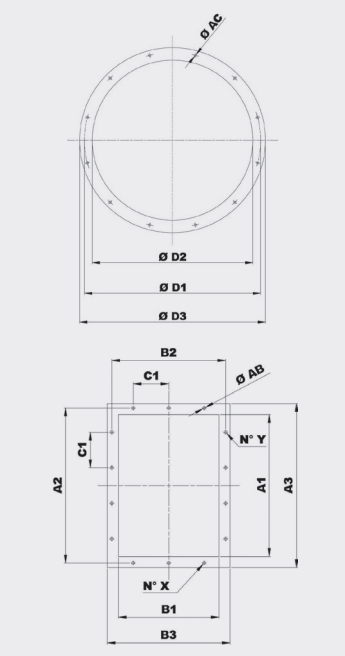

Para los ventiladores con orientaciones 180º y 225º, contactar con oficina técnica

| Modelo | | Base | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Motor GR | A* | B | C | ØD1 | E | F | G | H | | | HT | mxl | Y | LT | L | L1 | M | N | O | P | R | S | T | U | V | ØAA |
| | | | | | | | | | H1 | H2 | H3 | | | | | | | | | | | | | | | | |
| FP 711/2 N4A | 250M2 | 1254 | 690 | 565 | 629 | 500 | 500 | 222 | 670 | 500 | 850 | 1415 | M8x20 | 262 | 1190 | 836 | 896 | 600 | 404 | 60 | 386 | 501 | 39 | 497 | 27 | 1064 | 19 |
| FP 711/2 N4A | 280S2 | 1325 | 690 | 565 | 629 | 500 | 500 | 222 | 670 | 500 | 850 | 1415 | M8x20 | 262 | 1190 | 836 | 896 | 690 | 404 | 60 | 386 | 591 | 39 | 497 | 27 | 1154 | 19 |
| FP 712/2 N4A | 225M2 | 1115 | 690 | 565 | 629 | 500 | 500 | 222 | 670 | 500 | 850 | 1415 | M8x20 | 262 | 1190 | 836 | 896 | 540 | 404 | 60 | 386 | 441 | 39 | 497 | 27 | 1004 | 19 |
| FP 712/2 N4A | 250M2 | 1254 | 690 | 565 | 629 | 500 | 500 | 222 | 670 | 500 | 850 | 1415 | M8x20 | 262 | 1190 | 836 | 896 | 600 | 404 | 60 | 386 | 501 | 39 | 497 | 27 | 1064 | 19 |
| FP 801/2 N4A | 280M2 | 1378 | 770 | 630 | 698 | 560 | 560 | 247 | 750 | 560 | 950 | 1580 | M8x20 | 287 | 1330 | 926 | 986 | 690 | 453 | 60 | 431 | 591 | 39 | 546 | 27 | 1203 | 19 |
| FP 801/2 N4A | 315S2 | 1384 | 770 | 630 | 698 | 560 | 560 | 247 | 750 | 560 | 950 | 1580 | M8x20 | 287 | 1330 | 926 | 986 | 800 | 453 | 60 | 431 | 701 | 39 | 546 | 27 | 1313 | 19 |
| FP 802/2 N4A | 280SM2 | 1378 | 770 | 630 | 698 | 560 | 560 | 247 | 750 | 560 | 950 | 1580 | M8x20 | 287 | 1330 | 926 | 986 | 690 | 453 | 60 | 431 | 591 | 39 | 546 | 27 | 1203 | 19 |

* Según tamaño motor

## DIMENSIONES (mm)

Modelos desde 711 hasta 801




Brida aspiración

| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 711 | 560 | 629 | 566 | 666 | 10 | 12 |
| 801 | 630 | 698 | 636 | 736 | 10 | 12 |

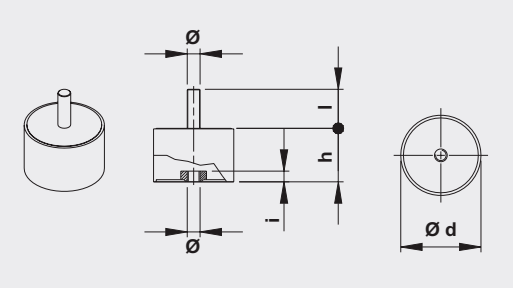
Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 711 | 560x400 | 569 | 404 | 629 | 464 | 669 | 504 | 160 | 14 | 3+3 | 4+4 |
| 801 | 630x450 | 638 | 453 | 698 | 513 | 738 | 553 | 160 | 14 | 3+3 | 4+4 |

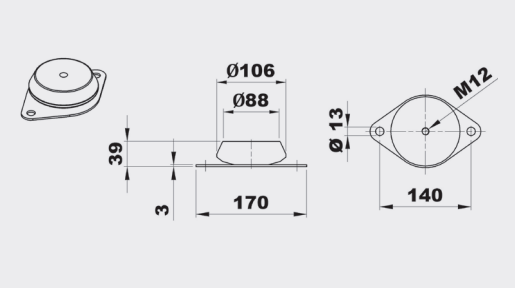
## AMORTIGUADORES

Amortiguadores recomendados

| Ventilador | Ejecución 4 |
|---|---|
| 351 | 4 x AM25 - 25x20 |
| 401 | 4 x AM30 - 30x30 |
| 451 | 4 x AM30 - 30x30 |
| 501/2 | 4 x AM40 - 40x30 |
| 561/2 | 4 x AM50 - 50x40 |
| 631/2 | 4 x AM75 - 75x50 |
| 711/2 | 4 x AM75 - 75x50 |
| 801/2 | 4 x AZ 39 - 140x39 |

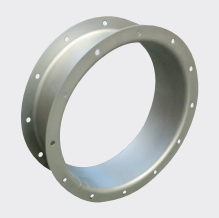



| Tipo | Carga para 4 soportes (kg) | d | h | Ø | l | Peso (kg) |
|---|---|---|---|---|---|---|
| AM 20 | 11÷40 | 20 | 20 | M6 | 15 | 0,02 |
| AM 25 | 41÷80 | 25 | 20 | M6 | 18 | 0,03 |
| AM 30 | 81÷140 | 30 | 30 | M8 | 20 | 0,05 |
| AM 40 | 141÷224 | 40 | 30 | M8 | 23 | 0,10 |
| AM 50 | 225÷315 | 50 | 40 | M10 | 28 | 0,20 |
| AM 75 | 316÷630 | 75 | 50 | M12 | 37 | 0,50 |

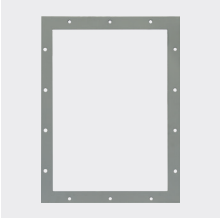



| Tipo | Carga para 4 soportes (kg) | Peso (kg) |
|---|---|---|
| AZ 39 | 631÷1250 | 0,7 |

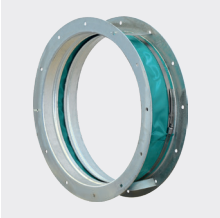
## ACCESORIOS



**CA (CFH1) - CFH2 - CFH3**
Contrabrida - Brida plana circular.



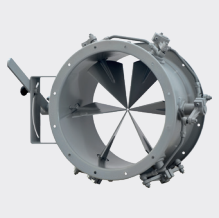
**CP**
Brida plana rectangular.



**GA**
Junta flexible aspiración.



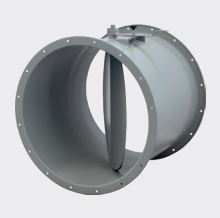
**GP**
Junta flexible descarga.



**DP**
Regulador de caudal de aspiración.



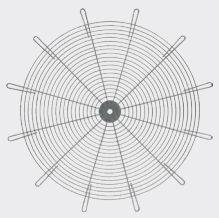
**SAD**
Compuerta de regulación de caudal de descarga.



**SF**
Vávula mariposa.



**DF**
Filtro en la aspiración.



**RC**
Rejilla de protección para la aspiración.



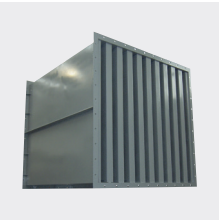
**AM/AZ**
Soportes antivibratorios.



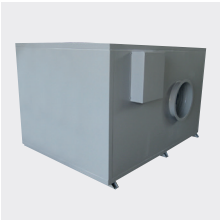
**SCSO**
Silenciador cilíndrico.



**SCCO**
Silenciador cilíndrico con bulbo.



**SASS**
Silenciador rectangular.



**CI**
Cabina de insonorización.

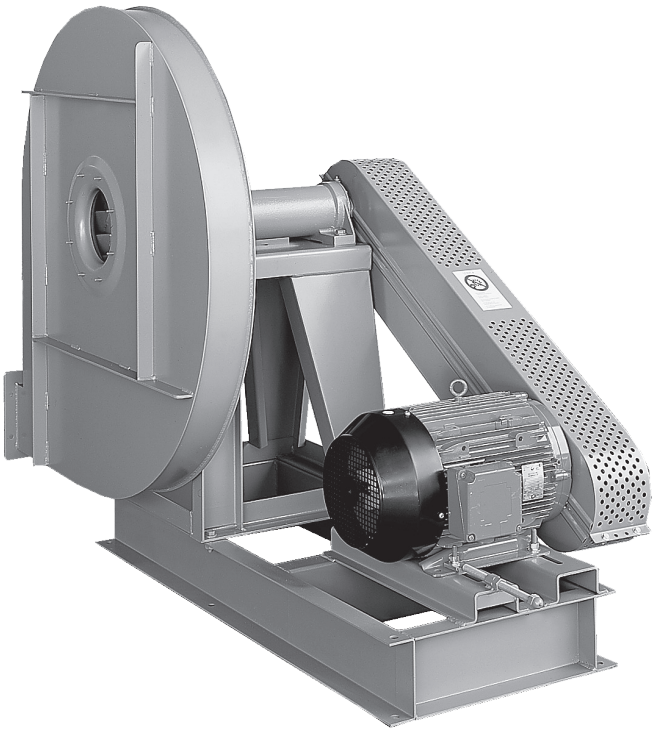
Ver información completa en página **772**.

# FP-N

## VENTILADORES CENTRÍFUGOS DE MEDIA PRESIÓN

*TRANSMISIÓN*

Ventilador centrífugo con accionamiento por poleas y correas y simple aspiración. Fabricados en chapa de acero protegida contra la corrosión mediante tratamiento por cataforesis + pintura poliuretana. Temperaturas del aire a transportar -20ºC/+100ºC en continuo.



APLICACIONES

**Aire a transportar**
Ligeramente polvoriento

**Cantidad de polvo (mg/m³)**
<150



Rodete de álabes curvados hacia atrás

### Sistemas de montaje

- SISTEMA 1: eje libre, para acoplamiento mediante poleas y correas.
- SISTEMA 9: incluye motor, poleas, correas y protector de correas. Motor montado en el lateral del pie soporte rodamientos.
- SISTEMA 12: incluye motor, poleas, correas y protector de correas. Motor montado sobre la bancada general.

### Motores

De 2, 4 o 6 polos, de alta eficiencia IE 3* (las r.p.m. de cada motor se adaptarán al cálculo de cada transmisión), tensión de alimentación trifásica 230/400V 50Hz hasta tamaño motor 112 y 400/690V 50Hz para motores de mayor dimensión. Protección IP55, Clase F.

* Entre 75 y 200kW, los motores suministrados serán IE4.

### Bajo pedido

- Fabricación en diferentes materiales constructivos.
- Disponibles modelos desde 1001 hasta el 2001
- Motores de 2 velocidades.
- Versiones de 60 Hz.
- Pintura en diferentes RAL.
- Versión para alta temperatura: hasta 300ºC (versiones B: con rodete de refrigeración).
- Trampilla de inspección, purga de drenaje, distintos tipos de estanqueidad a nivel de voluta y de paso de eje.
- Ventiladores estancos.
- Calorifugado.

### Versiones ATEX

Bajo pedido, versiones antiexplosivas según la Directiva ATEX para modelos trifásicos: Para trabajar a temperaturas de -20ºC a +60ºC, presión ambiente (absoluta) de 0,8 bar hasta 1,1 bar, según EN 14986.

- Gas:
  - Ex 2G IIB T2-T3
  - Ex 2G IIB+H2 T2-T3
  - Ex 3G IIB T2-T3
  - Ex 3G IIB+H2 T2-T3
- Polvo no conductivo:
  - Ex 2D IIIB T195°C-T295°C
  - Ex 3D IIIB T195°C-T295°C
- Polvo conductivo (con motor IP65 IIIC):
  - Ex 2D IIIC T195°C-T295°C
  - Ex 3D IIIC T195°C-T295°C

## CARACTERÍSTICAS TÉCNICAS

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación.

| Modelo | Caudal máximo ($m^3/h$) | Potencia motor máxima (kW) | Peso (kg)[1] | Momento de inercia ($kg \cdot m^2$)[2] |
|---|---|---|---|---|
| FP 351 N1A | 7.010 | 7,5 | 71 | 0,11 |
| FP 401 N1A | 10.040 | 11,0 | 85 | 0,20 |
| FP 451 N1A | 12.800 | 15,0 | 106 | 0,32 |
| FP 501 N1A | 17.370 | 22,0 | 150 | 0,60 |
| FP 561 N1A | 21.680 | 30,0 | 190 | 0,95 |
| FP 631 N1A | 30.580 | 55,0 | 250 | 1,50 |
| FP 711 N1A | 39.290 | 75,0 | 350 | 3,60 |
| FP 801 N1A | 50.040 | 90,0 | 436 | 5,00 |
| FP 901 N1A | 63.000 | 110,0 | 560 | 9,50 |

[1] Para ejecución 1 y orientación LG270 o RD270
[2] Momento de inercia del rodete

SOPORTES SISTEMA 1

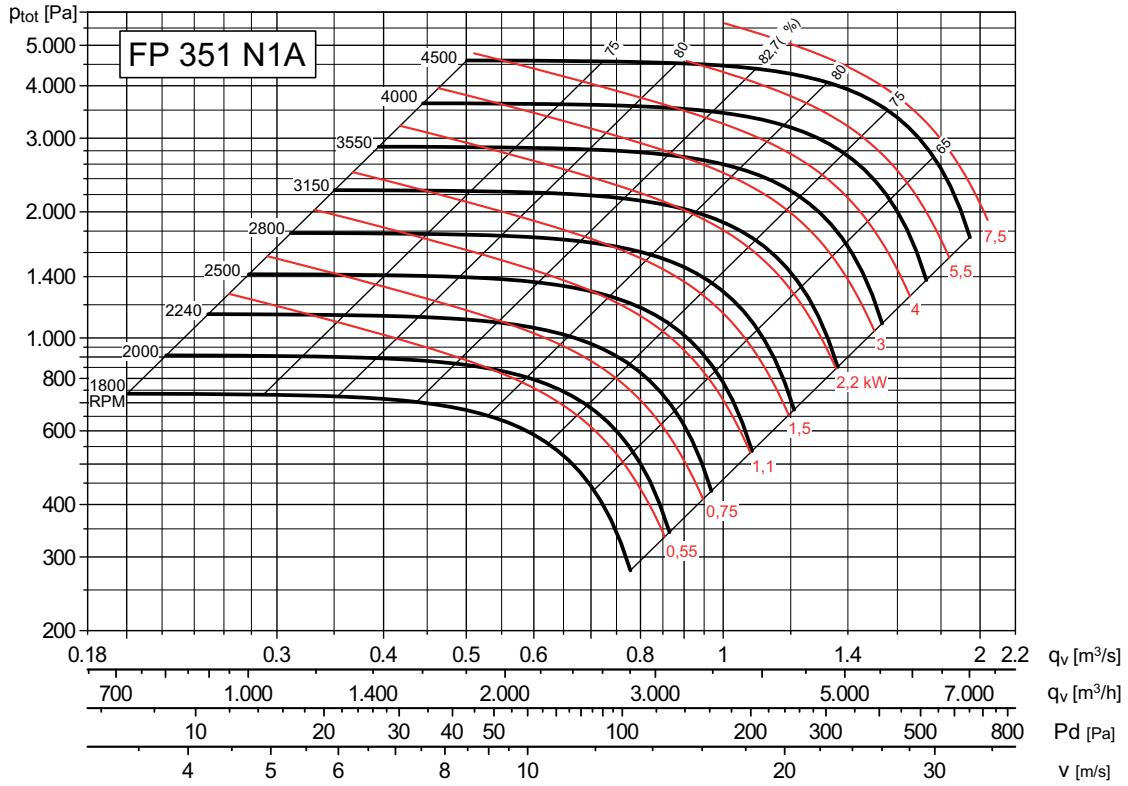
| Modelo | 351 | 401-451 | 501 | 561-631 | 711 | 801 | 901 |
|---|---|---|---|---|---|---|---|
| Soporte tipo | ST 80 A28 | ST 90 A38 | ST 100 A42 | ST 110 B48 | ST 120 B48 | ST 130 B55 | ST 150 B65 |

MOTORES SISTEMA 9

| Modelo | 351-451 | 501-561 | 631-711 | 801-901 |
|---|---|---|---|---|
| Tamaño motor | ≤ 132 M2 | ≤ 160 L2 | ≤ 180 L2-4 | ≤ 200 L2-4 |

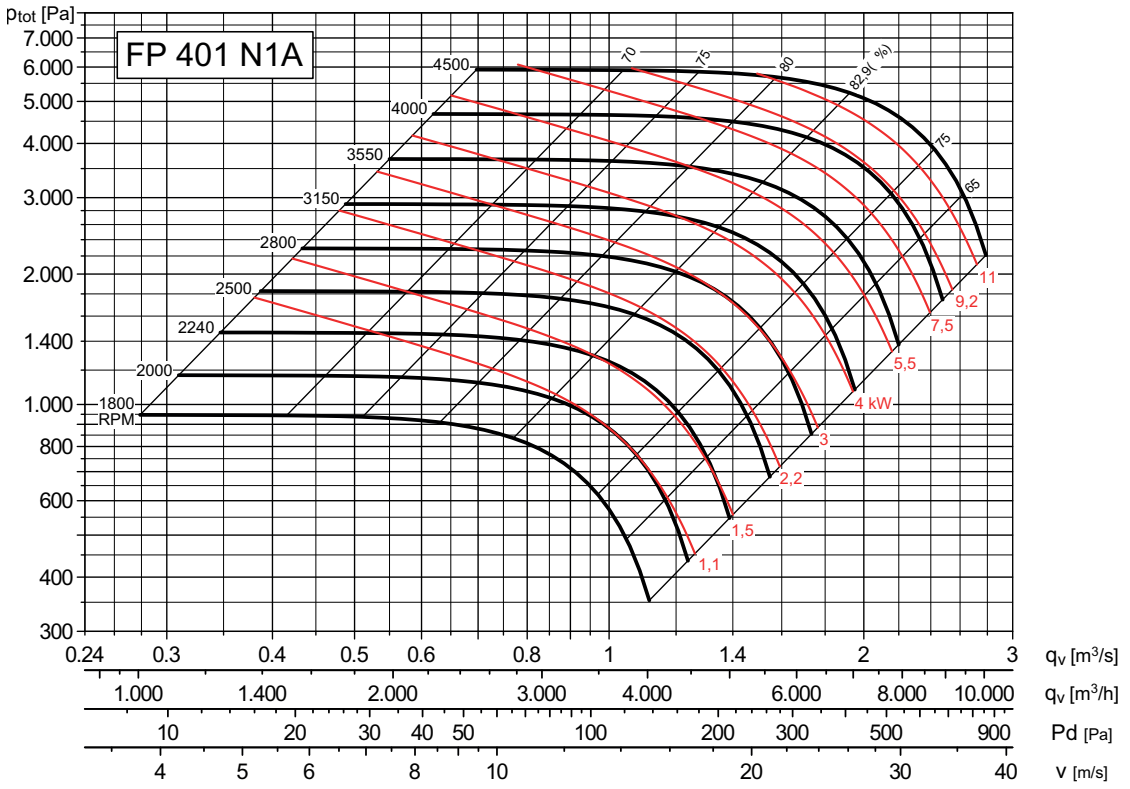
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 4250 rpm
101 ÷ 220°C = 3750 rpm
201 ÷ 300°C = 3350 rpm

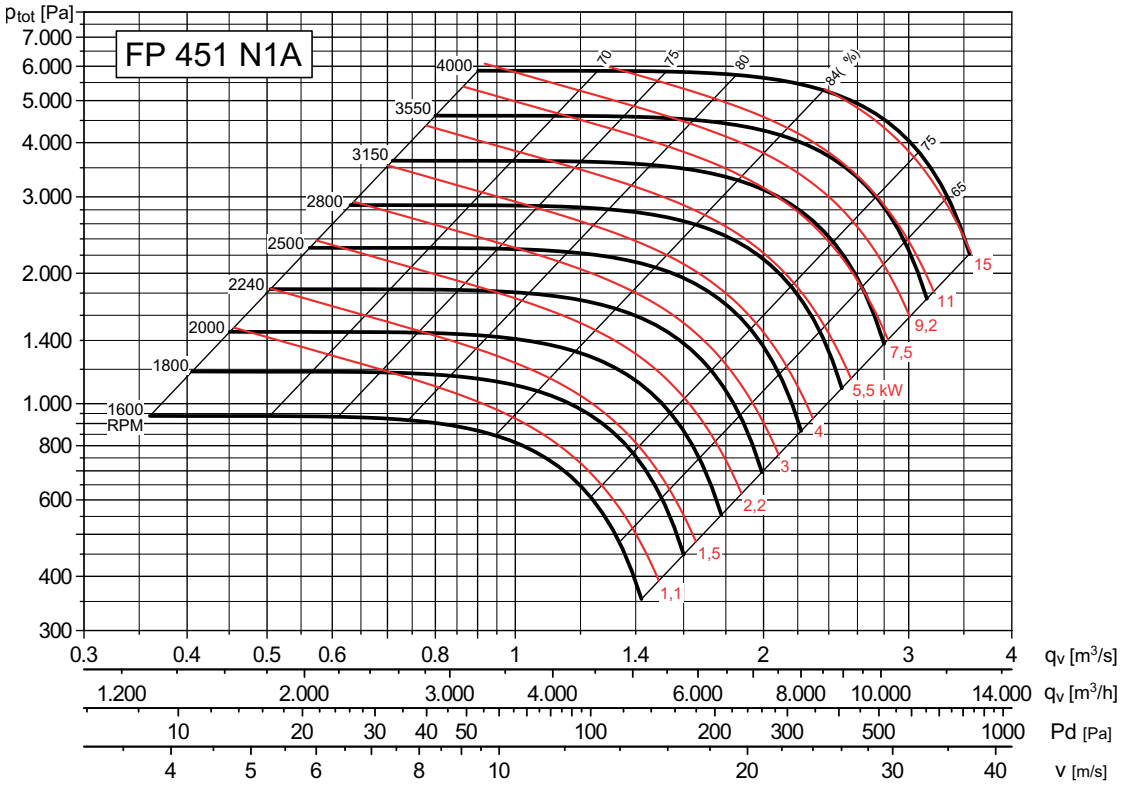



MAX. RPM

≤ 100°C = 4000 rpm
101 ÷ 220°C = 3550 rpm
201 ÷ 300°C = 3150 rpm

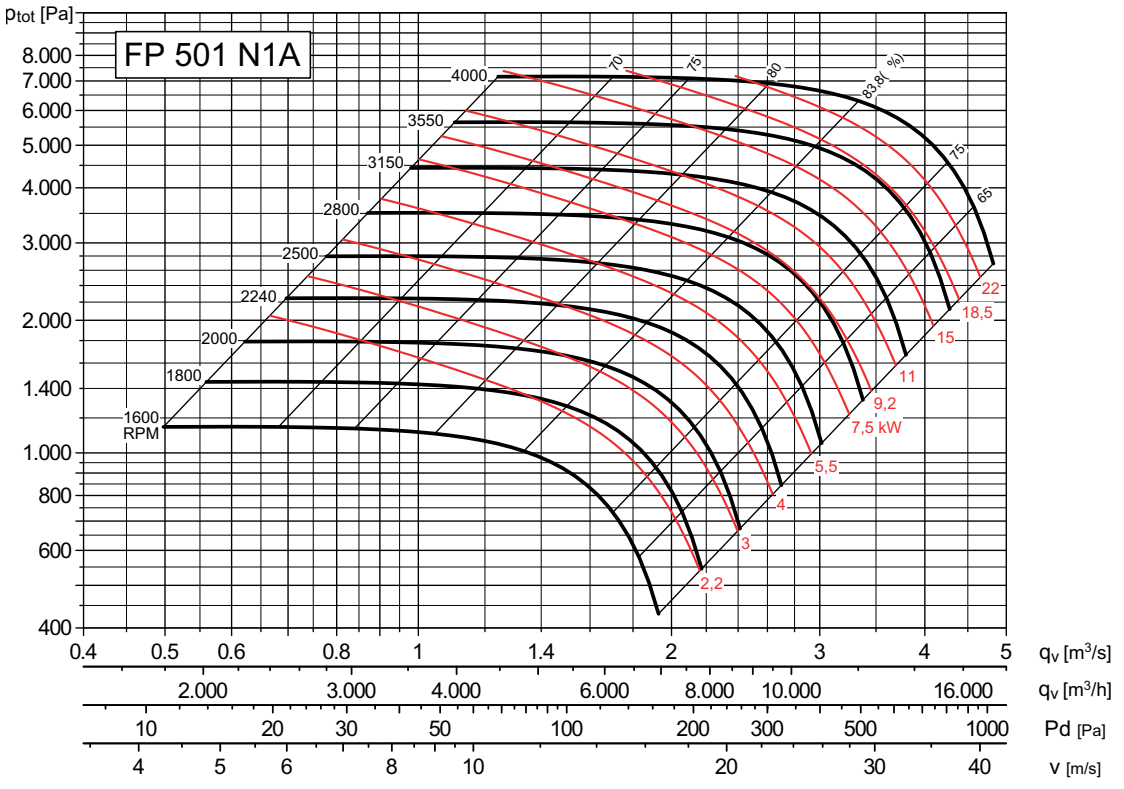
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 3750 rpm
101 ÷ 220°C = 3350 rpm
201 ÷ 300°C = 3000 rpm

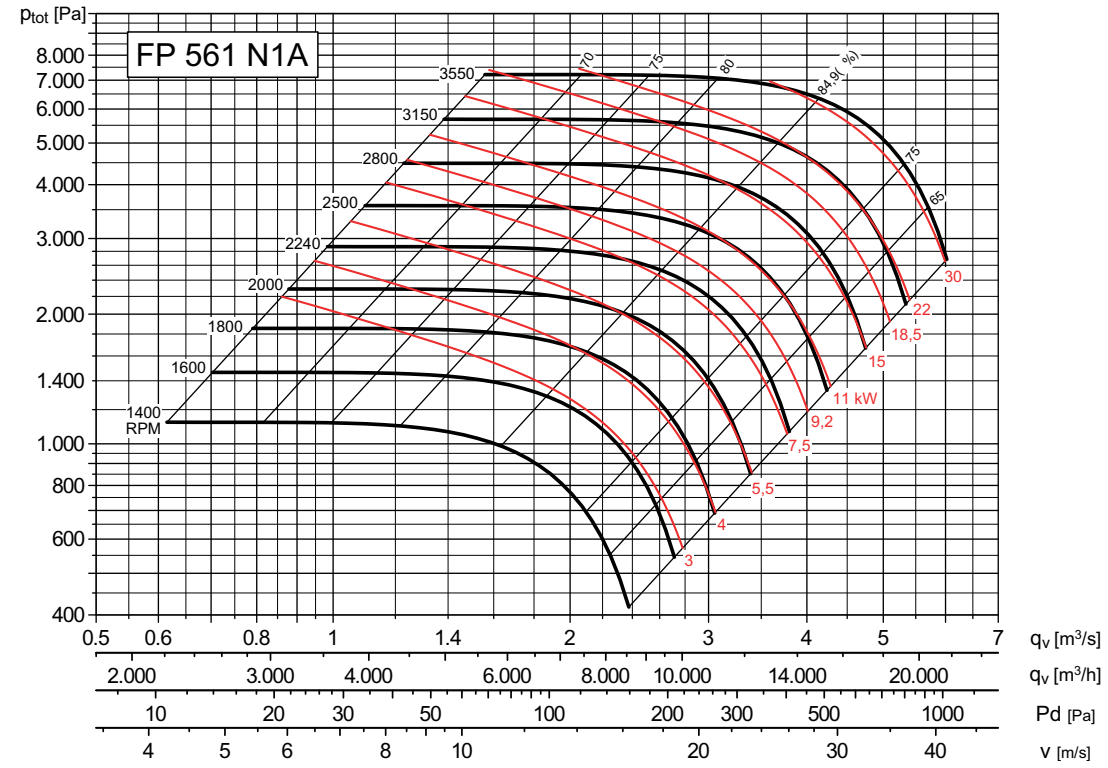



MAX. RPM

≤ 100°C = 3550 rpm
101 ÷ 220°C = 3150 rpm
201 ÷ 300°C = 2800 rpm

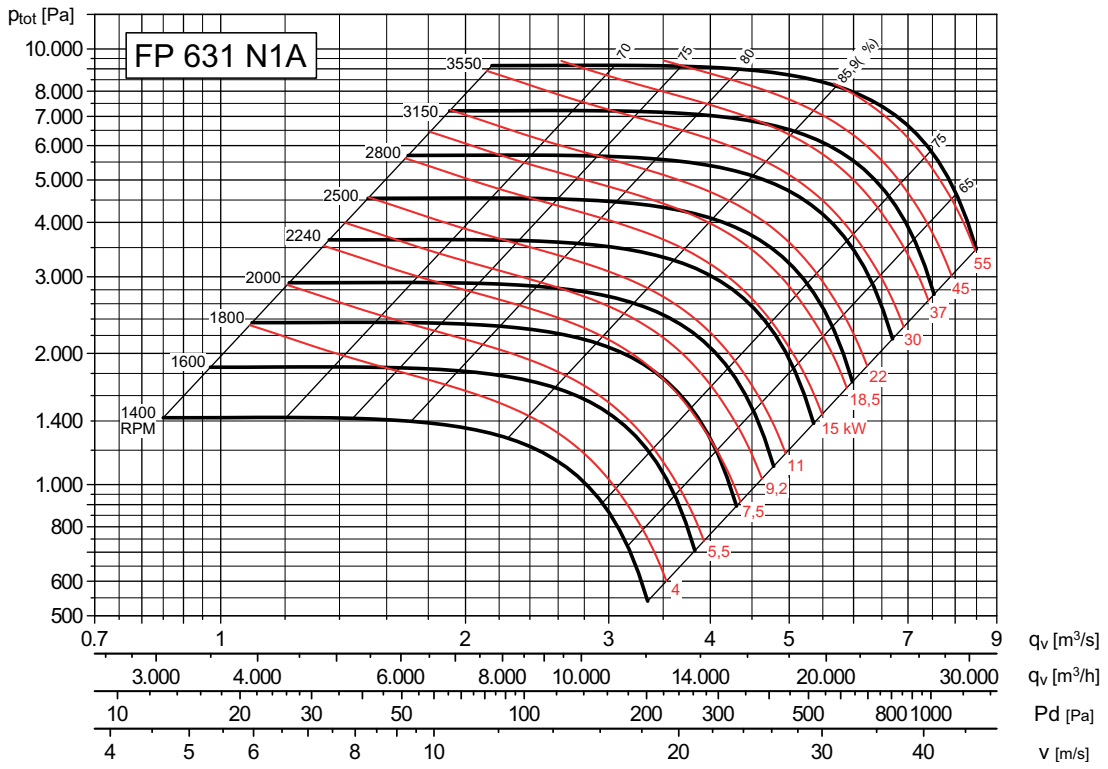
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 3350 rpm
101 ÷ 220°C = 3000 rpm
201 ÷ 300°C = 2650 rpm

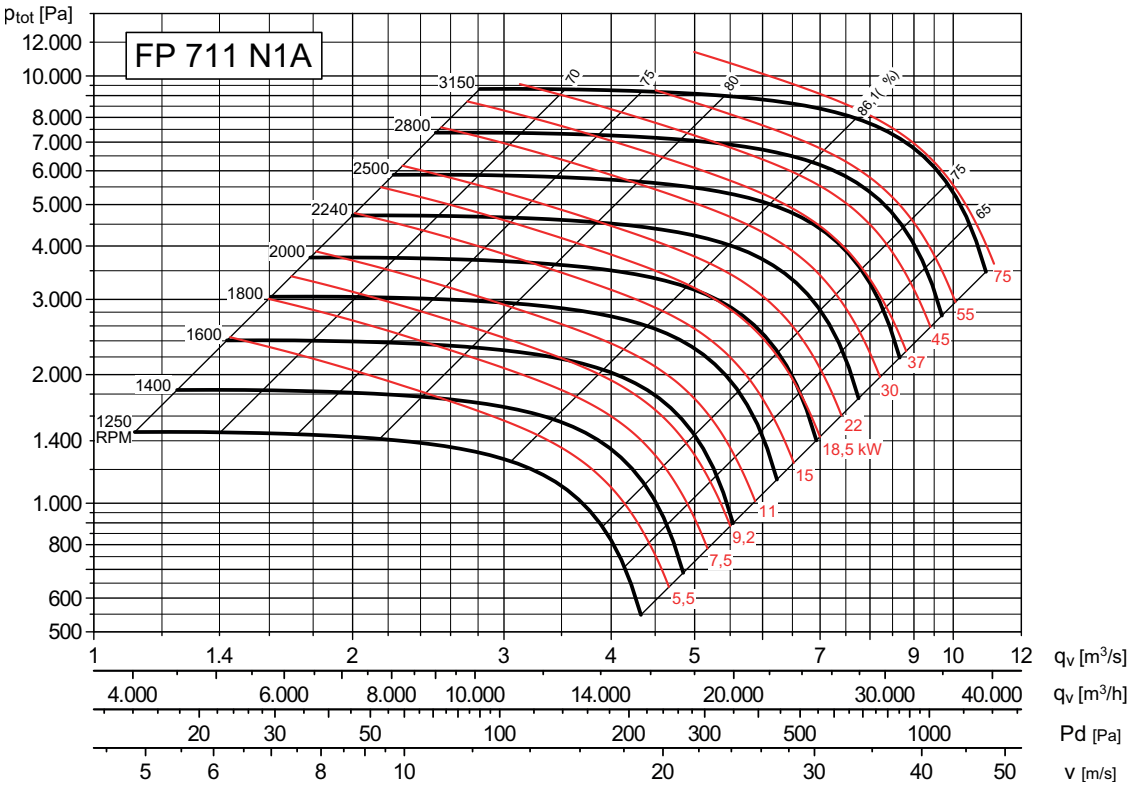



MAX. RPM

≤ 100°C = 3150 rpm
101 ÷ 220°C = 2800 rpm
201 ÷ 300°C = 2500 rpm

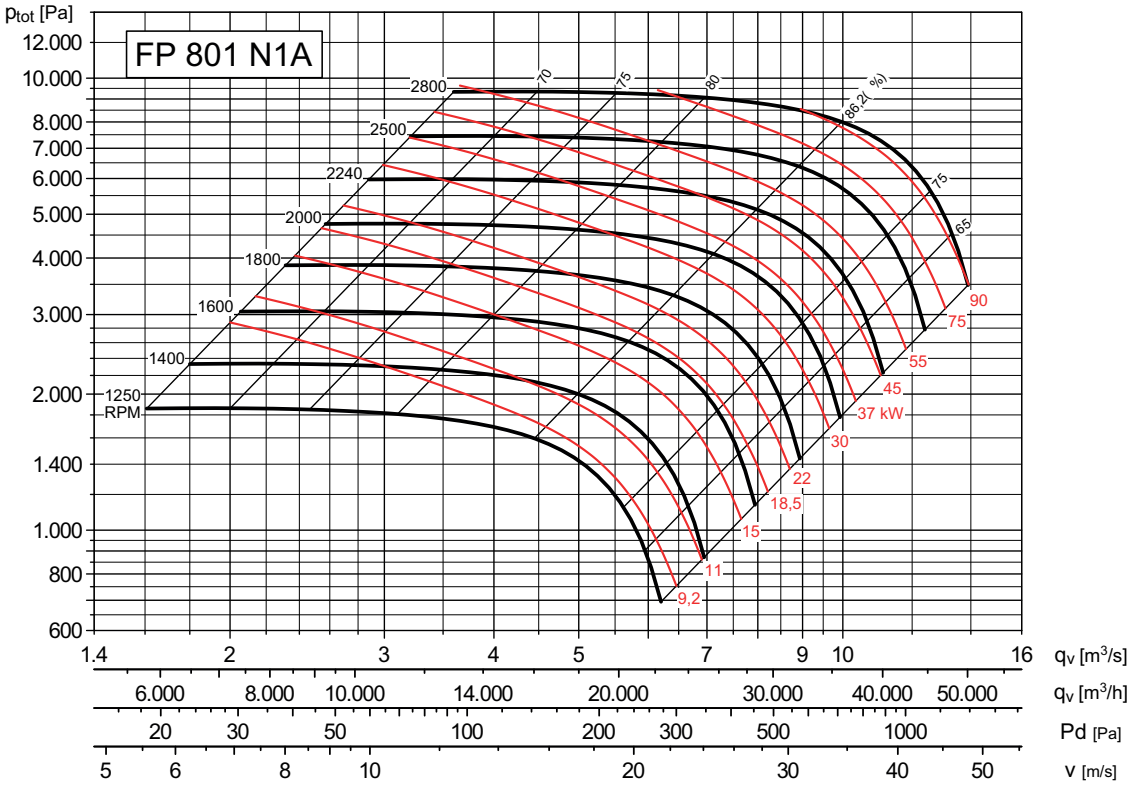
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 3000 rpm
101 ÷ 220°C = 2650 rpm
201 ÷ 300°C = 2360 rpm

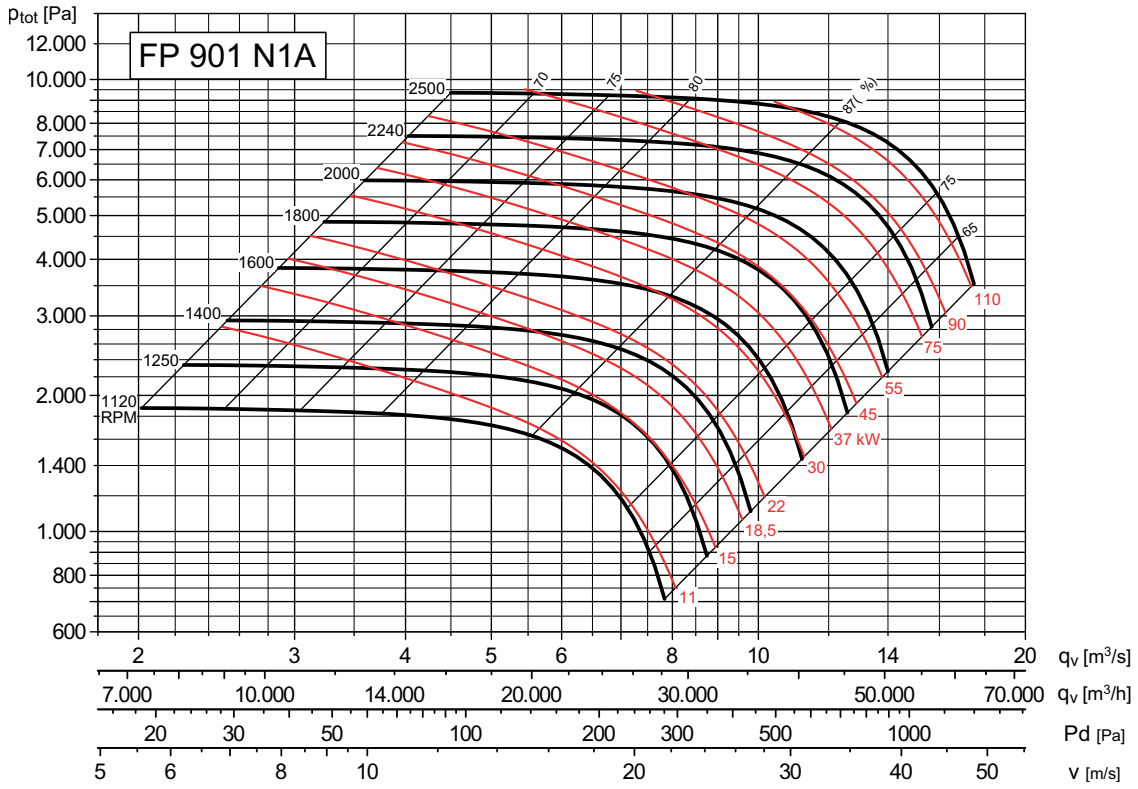



MAX. RPM

≤ 100°C = 2800 rpm
101 ÷ 220°C = 2500 rpm
201 ÷ 300°C = 2240 rpm

## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**

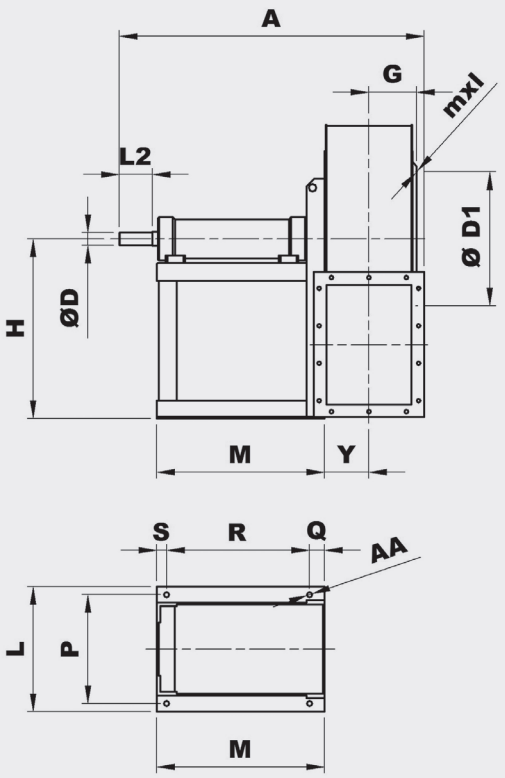


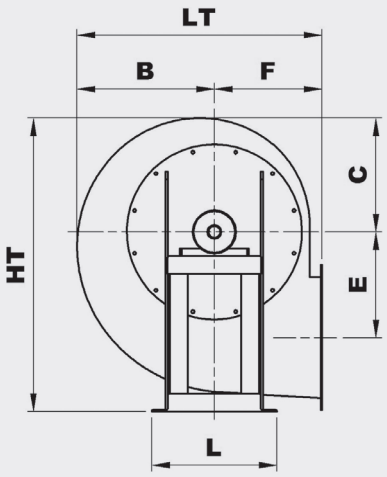

MAX. RPM

≤ 100°C = 2650 rpm
101 ÷ 220°C = 2360 rpm
201 ÷ 300°C = 2120 rpm

## DIMENSIONES (mm)

Modelos desde 351 hasta 501

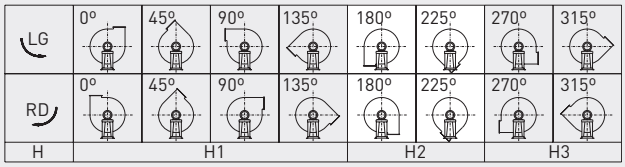



DESCARGA ORIENTABLE

EJECUCIÓN B
Con rodete de refrigeración, contactar con oficina técnica.

ORIENTACIONES

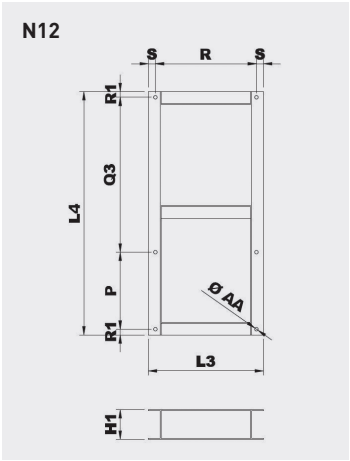



Para estas orientaciones, contactar con oficina técnica

| Modelo | A | B | C | ØD1 | E | F | G | H | | | HT | mxl | Y | LT | L | Eje | | Base | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | H1 | H2 | H3 | | | | | | L2 | ØD | P | M | Q | R | S | ØAA |
| FP 351 N1A | 815 | 340 | 295 | 332 | 253 | 255 | 105 | 450 | 255 | 450 | 745 | M8x20 | 106 | 595 | 28 | 60 | 400 | 355 | 485 | 50 | 407 | 28 | 14 |
| FP 401 N1A | 855 | 375 | 330 | 366 | 286 | 285 | 130 | 500 | 285 | 500 | 830 | M8x20 | 118 | 660 | 38 | 80 | 400 | 355 | 485 | 50 | 407 | 28 | 14 |
| FP 451 N1A | 885 | 425 | 370 | 405 | 321 | 320 | 143 | 560 | 320 | 560 | 930 | M8x20 | 132 | 745 | 38 | 80 | 400 | 355 | 485 | 50 | 407 | 28 | 14 |
| FP 501 N1A | 1025 | 470 | 410 | 448 | 354 | 360 | 159 | 600 | 360 | 600 | 1010 | M8x20 | 150 | 830 | 42 | 110 | 418 | 364 | 560 | 50 | 477 | 33 | 17 |

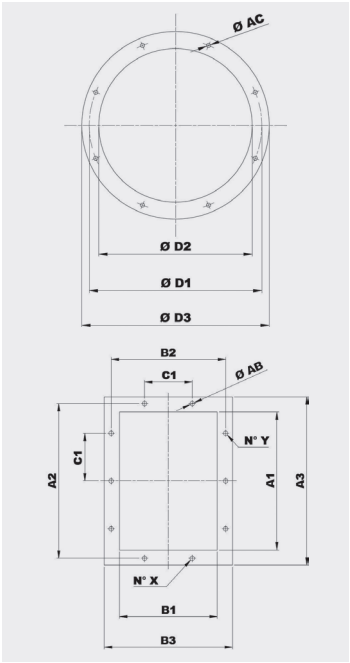
## DIMENSIONES (mm)

Modelos desde 351 hasta 501




Bancada ejecución 12

| Modelo | H1 | P | L3 | L4 | Q3 | R | R1 | S | ØAA | Peso (kg) |
|---|---|---|---|---|---|---|---|---|---|---|
| 351 N12A | 120 | 355 | 463 | 1010 | 610 | 407 | 22,5 | 28 | 14 | 20 |
| 401 N12A | 120 | 355 | 463 | 1010 | 610 | 407 | 22,5 | 28 | 14 | 20 |
| 451 N12A | 120 | 355 | 463 | 1010 | 610 | 407 | 22,5 | 28 | 14 | 20 |
| 501 N12A | 140 | 364 | 543 | 1150 | 732 | 477 | 27 | 33 | 17 | 26 |




Brida aspiración

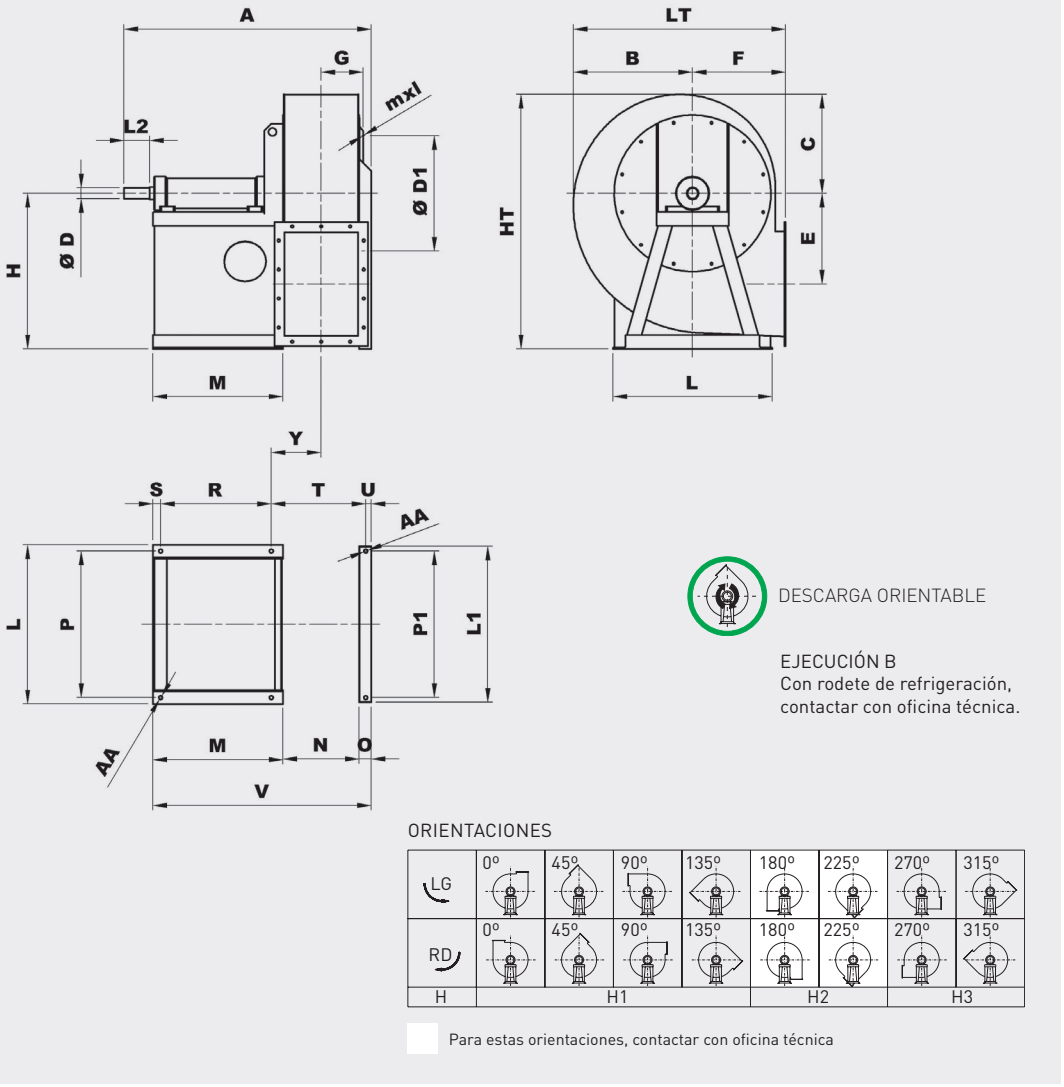
| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 351 | 280 | 332 | 285 | 365 | 10 | 8 |
| 401 | 315 | 366 | 320 | 400 | 10 | 8 |
| 451 | 355 | 405 | 360 | 440 | 10 | 8 |
| 501 | 400 | 448 | 405 | 485 | 10 | 12 |

Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 351 | 280x200 | 288 | 205 | 332 | 249 | 368 | 285 | 125 | 12 | 2+2 | 3+3 |
| 401 | 315x224 | 322 | 229 | 366 | 273 | 402 | 309 | 125 | 12 | 2+2 | 3+3 |
| 451 | 355x250 | 361 | 256 | 405 | 300 | 441 | 336 | 125 | 12 | 2+2 | 3+3 |
| 501 | 400x280 | 404 | 288 | 448 | 332 | 484 | 368 | 125 | 12 | 3+3 | 4+4 |

## DIMENSIONES (mm)

Modelos desde 561 hasta 631




DESCARGA ORIENTABLE

EJECUCIÓN B
Con rodete de refrigeración, contactar con oficina técnica.

ORIENTACIONES

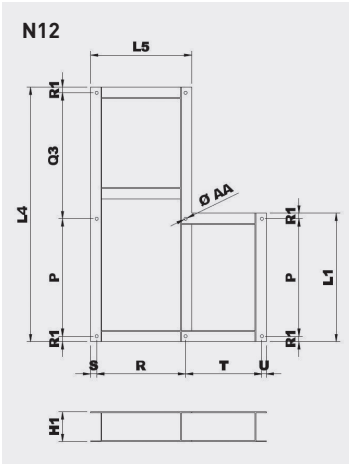



Para estas orientaciones, contactar con oficina técnica

| Modelo | A | B | C | ØD1 | E | F | G | H | | | HT | mxl | Y | LT | L | Eje | | Base | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | H1 | H2 | H3 | | | | | | ØD | L2 | P | L1 | P1 | M | N | O | R | S | T | U | V | ØAA |
| FP 561 N1A | 1065 | 550 | 455 | 497 | 391 | 400 | 181 | 670 | 400 | 670 | 1121 | M8x20 | 215 | 954 | 48 | 110 | 686 | 632 | 672 | 632 | 560 | 331 | 52 | 477 | 33 | 410 | 23 | 943 | 17 |
| FP 631 N1A | 1100 | 615 | 515 | 551 | 441 | 450 | 200 | 750 | 450 | 750 | 1265 | M8x20 | 236 | 1065 | 48 | 110 | 756 | 702 | 762 | 702 | 560 | 371 | 52 | 477 | 33 | 450 | 23 | 983 | 17 |

## DIMENSIONES (mm)

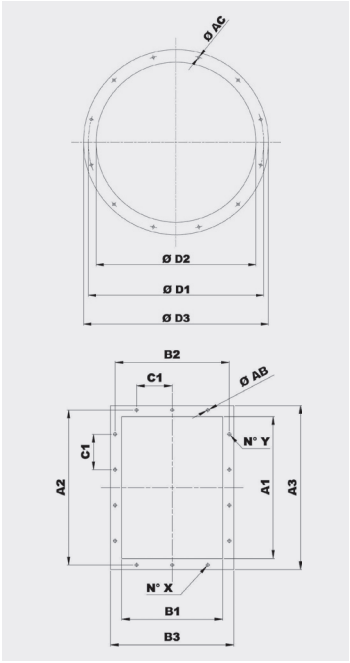
Modelos desde 561 hasta 631




Bancada ejecución 12

| Modelo | H1 | P | L1 | L4 | L5 | Q3 | R | R1 | S | T | U | ØAA | Peso (kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 561 N12A | 160 | 632 | 692 | 1370* | 543 | 678* | 477 | 30 | 33 | 410 | 23 | 17 | 47 |
| 631 N12A | 160 | 702 | 762 | 1470** | 543 | 708** | 477 | 30 | 33 | 450 | 23 | 17 | 48 |

* Para motores de talla 200-225, esta cota aumenta en 100 mm
** Para motores de talla 200-225, esta cota aumenta en 100 mm




Brida aspiración

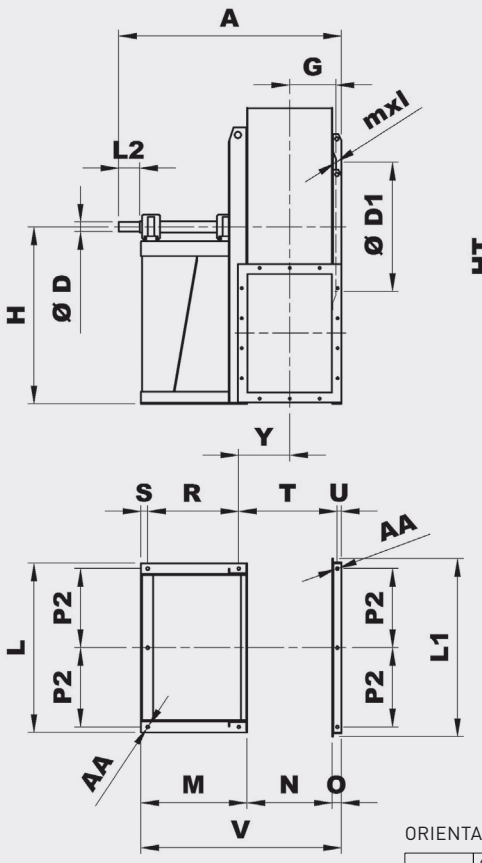
| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 561 | 450 | 497 | 455 | 535 | 10 | 12 |
| 631 | 500 | 551 | 505 | 585 | 10 | 12 |

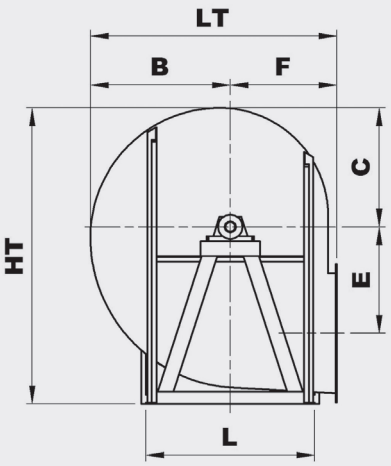
Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 561 | 450x315 | 453 | 322 | 497 | 366 | 533 | 402 | 125 | 12 | 3+3 | 4+4 |
| 631 | 500x355 | 507 | 361 | 551 | 405 | 587 | 441 | 125 | 12 | 3+3 | 4+4 |

## DIMENSIONES (mm)

Modelos desde 711 hasta 2001



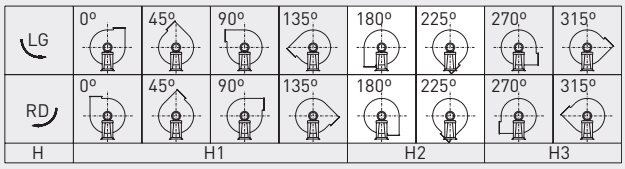






DESCARGA NO ORIENTABLE

EJECUCIÓN B
Con rodete de refrigeración, contactar con oficina técnica.

ORIENTACIONES

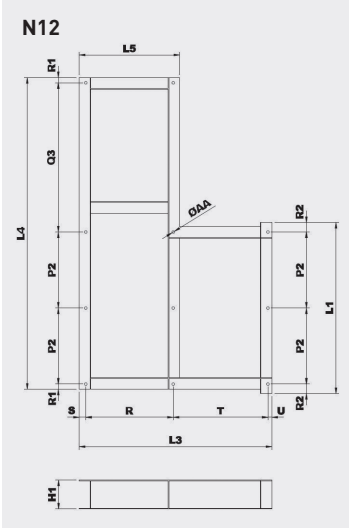



Para estas orientaciones, contactar con oficina técnica

| Modelo | A | B | C | ØD1 | E | F | G | H | | | HT | mxl | Y | LT | L | Eje | | Base | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | H1 | H2 | H3 | | | | | | ØD | L2 | L1 | M | N | O | P2 | R | S | T | U | V | ØAA |
| FP 711 N1A | 1210 | 690 | 565 | 629 | 500 | 500 | 222 | 670 | 500 | 850 | 1415 | M8X20 | 262 | 1190 | 48 | 110 | 836 | 896 | 650 | 404 | 60 | 386 | 551 | 39 | 497 | 27 | 1114 | 19 |
| FP 801 N1A | 1269 | 770 | 630 | 698 | 560 | 560 | 247 | 750 | 560 | 950 | 1580 | M8X20 | 287 | 1330 | 55 | 110 | 926 | 986 | 650 | 453 | 60 | 431 | 551 | 39 | 546 | 27 | 1163 | 19 |
| FP 901 N1A | 1500 | 870 | 705 | 775 | 630 | 630 | 334 | 850 | 630 | 1060 | 1765 | Ø12 | 293 | 1500 | 1026 | 65 | 140 | 1086 | 650 | 507 | 60 | 481 | 572 | 39 | 579 | 27 | 1217 | 19 |

## DIMENSIONES (mm)

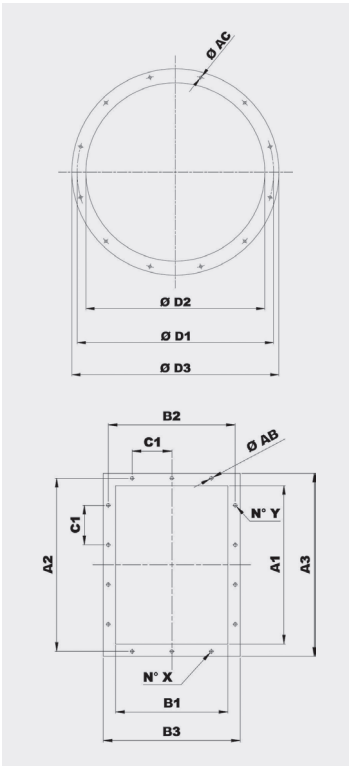
Modelos desde 711 hasta 2001




Bancada ejecución 12

| Modelo | H1 | P2 | L1 | L3 | L4 | L5 | Q3 | R | R1 | R2 | S | T | ØAA | Peso (kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 711 N12A | 180 | 386 | 896 | 1114 | 1643* | 629 | 807* | 551 | 32 | 62 | 39 | 497 | 19 | 82 |
| 801 N12A | 180 | 431 | 986 | 1163 | 1768** | 629 | 842** | 551 | 32 | 62 | 39 | 546 | 19 | 86 |
| 901 N12A | 180 | 481 | 1086 | 1217 | 2029*** | 650 | 987*** | 572 | 40 | 62 | 27 | 579 | 19 | 94 |

* Para motores de talla 250-280, esta cota aumenta en 150 mm
** Para motores de talla 250, esta cota aumenta en 100 mm
***Para motores de talla 250, esta cota aumenta en 100 mm




Brida aspiración

| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 711 | 560 | 629 | 566 | 666 | 10 | 12 |
| 801 | 630 | 698 | 636 | 736 | 10 | 12 |

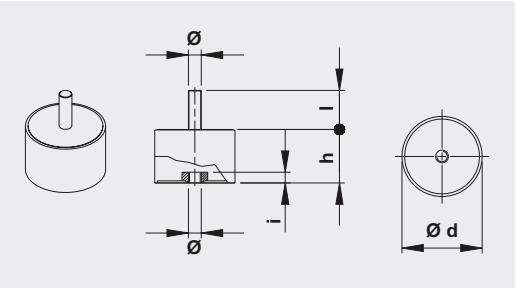
Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 711 | 560x400 | 569 | 404 | 629 | 464 | 669 | 504 | 160 | 14 | 3+3 | 4+4 |
| 801 | 630x450 | 638 | 453 | 698 | 513 | 738 | 553 | 160 | 14 | 3+3 | 4+4 |

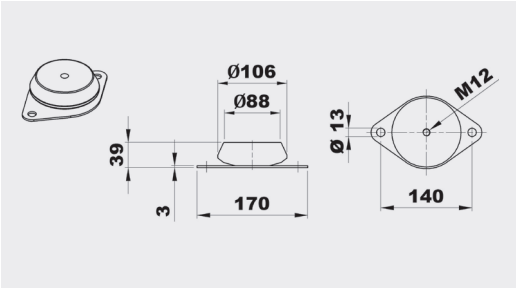
## AMORTIGUADORES

Amortiguadores recomendados

| Ventilador | Ejecución 9 | Ejecución 12 |
|---|---|---|
| 351 | 4 x AM 30 - 30x30 | 4 x AM 40 - 40x30 |
| 401 | 4 x AM 40 - 40x30 | 4 x AM 40 - 40x30 |
| 451 | 4 x AM 40 - 40x30 | 4 x AM 50 - 50x40 |
| 501/2 | 4 x AM 50 - 50x40 | 4 x AM 50 - 50x40 |
| 561/2 | 4 x AM 50 - 50x40 | 4 x AM 75 - 75x50 |
| 631/2 | 4 x AM 75 - 75x50 | 4 x AM 75 - 75x50 |
| 711/2 | 4 x AM 75 - 75x50 | 4 x AM 75 - 75x50 |
| 801/2 | 4 x AZ 39 - 140x39 | 4 x AZ 39 - 140x39 |
| 901/2 | 4 x AZ 39 - 140x39 | 4 x AZ 39 - 140x39 |

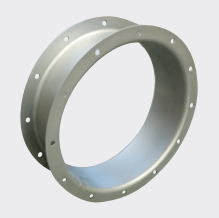



| Tipo | Carga para 4 soportes (kg) | d | h | Ø | l | Peso (kg) |
|---|---|---|---|---|---|---|
| AM 30 | 81÷140 | 30 | 30 | M8 | 20 | 0,05 |
| AM 40 | 141÷224 | 40 | 30 | M8 | 23 | 0,10 |
| AM 50 | 225÷315 | 50 | 40 | M10 | 28 | 0,20 |
| AM 75 | 316÷630 | 75 | 50 | M12 | 37 | 0,50 |

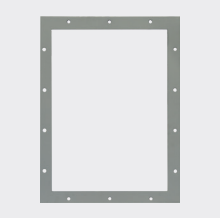



| Tipo | Carga para 4 soportes (kg) | Peso (kg) |
|---|---|---|
| AZ 39 | 631÷1250 | 0,7 |

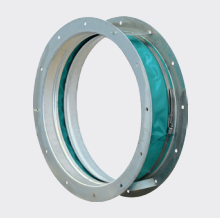
## ACCESORIOS



**CA (CFH1) - CFH2 - CFH3**
Contrabrida - Brida plana circular.



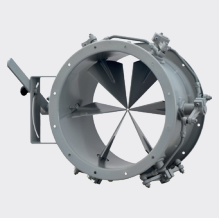
**CP**
Brida plana rectangular.



**GA**
Junta flexible aspiración.



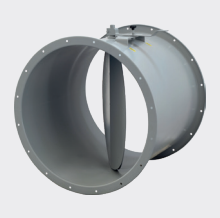
**GP**
Junta flexible descarga.



**DP**
Regulador de caudal de aspiración.



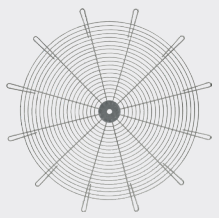
**SAD**
Compuerta de regulación de caudal de descarga.



**SF**
Vávula mariposa.



**DF**
Filtro en la aspiración.



**RC**
Rejilla de protección para la aspiración.



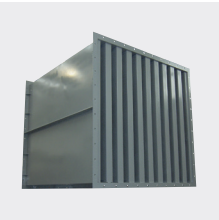
**AM/AZ**
Soportes antivibratorios.



**SCSO**
Silenciador cilíndrico.



**SCCO**
Silenciador cilíndrico con bulbo.



**SASS**
Silenciador rectangular.



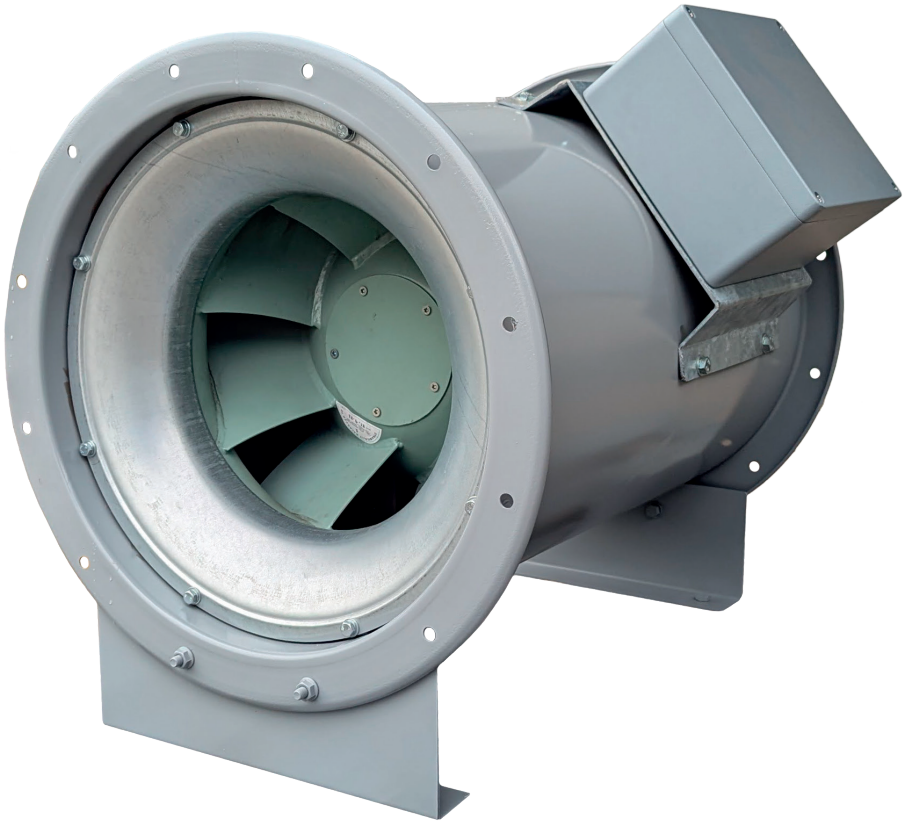
**CI**
Cabina de insonorización.

Ver información completa en página **772**.

# MXF

## VENTILADORES HELICOCENTRÍFUGOS DE MEDIA PRESIÓN

*ACOPLAMIENTO DIRECTO*



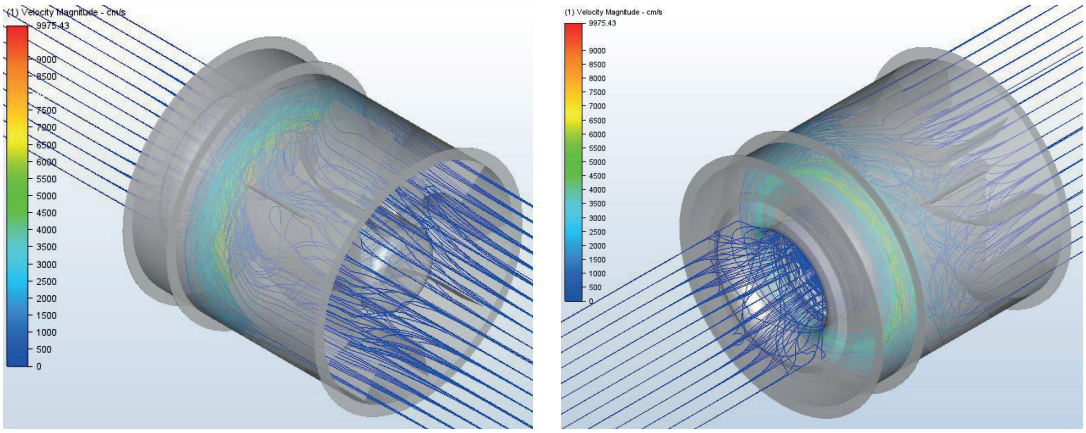
Ventilador helicocentrífugo de acoplamiento directo. Impulsor centrífugo de diseño especial, apto para funcionar dentro de una carcasa axial. Fabricado en chapa de acero protegida con una imprimación aplicada mediante ciclo cataforético de pintura epoxi catódica RAL 7045 y una capa final de esmalte de poliuretano bicomponente al agua RAL 7045 a base de resinas acrílicas.

APLICACIONES

**Aire a transportar**
Aire limpio

**Cantidad de polvo (mg/m$^3$)**
<50

## CÓMO FUNCIONA



## CARACTERÍSTICAS TÉCNICAS

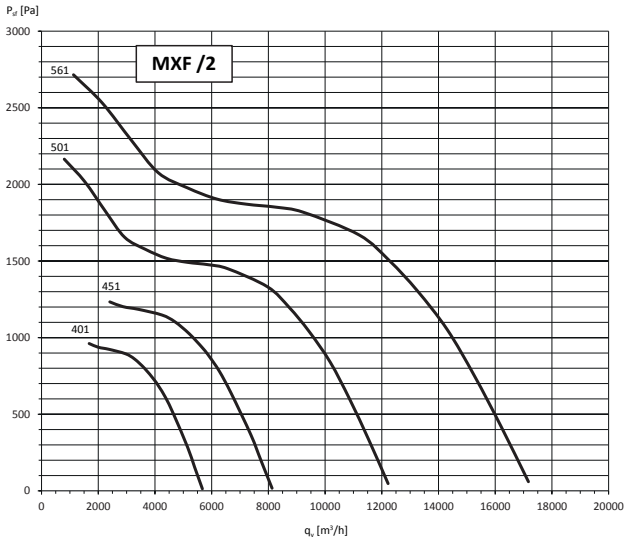
Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación.

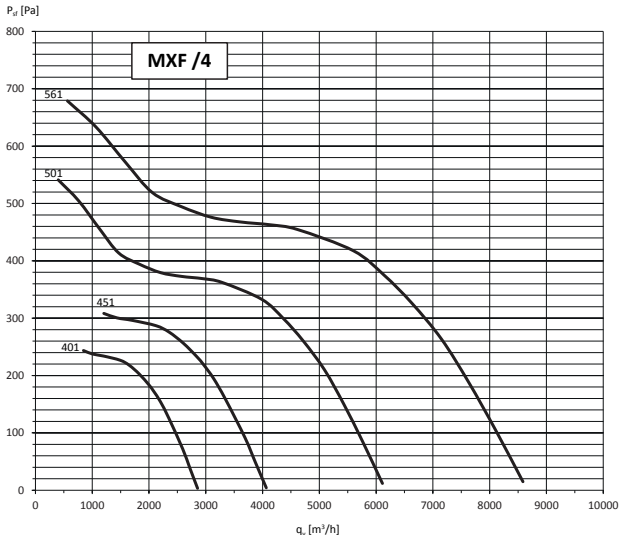
| Modelo | Tamaño motor | Potencia motor (kW) | Caudal máximo ($m^3/h$) | Peso (kg)[1] |
|---|---|---|---|---|
| 2 POLOS | | | | |
| MXF 401/2 N5A/B | 90L B14 | 2,2 | 5.672 | 46,5 |
| MXF 451/2 N5A/B | 90L | 2,2 | 8.131 | 64,0 |
| MXF 501/2 N5A/B | 112M B5 | 4,0 | 12.223 | 92,0 |
| MXF 561/2 N5A/B | 132SB B14 | 7,5 | 17.172 | 128,0 |
| 4 POLOS | | | | |
| MXF 401/4 N5A/B | 71B | 0,25 | 2.855 | 40,5 |
| MXF 451/4 N5A/B | 71B | 0,37 | 4.065 | 55,0 |
| MXF 501/4 N5A/B | 80A | 0,55 | 6.111 | 74,5 |
| MXF 561/4 N5A/B | 90S | 1,1 | 8.586 | 94,0 |
| MXF 631/4 N5A/B | 132SB | 5,5 | 12.225 | 128,0 |
| MXF 711/4 N5A/B | 132SB | 5,5 | 17.083 | 157,5 |
| MXF 801/4 N5A/B | 160M | 11,0 | 24.437 | 267,0 |
| MXF 901/4 N5A/B | 180M | 18,5 | 34.795 | 296,0 |
| MXF 1001/4 N5A/B | 200L | 30,0 | 47.729 | 474,0 |

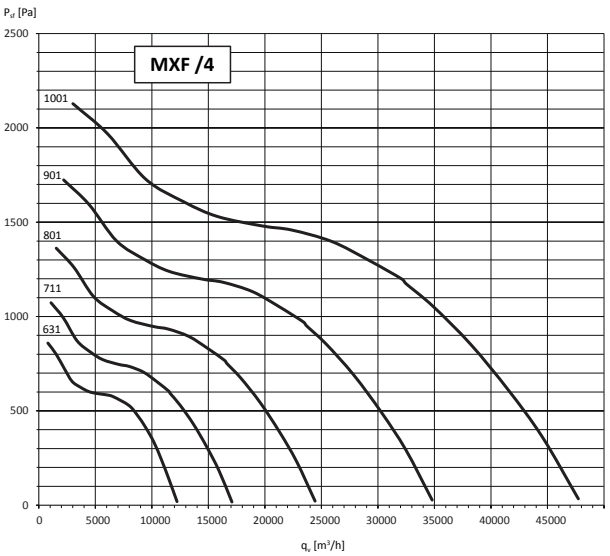
## CURVAS CARACTERÍSTICAS

(a la descarga)

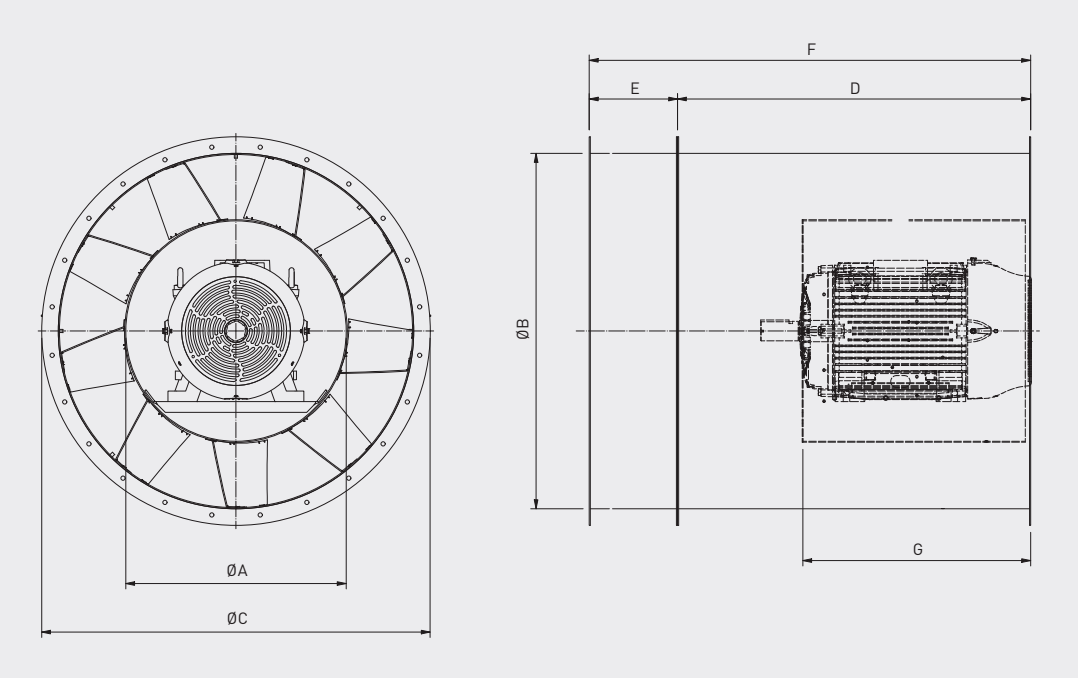
**- Ptot: Presión total en Pa**



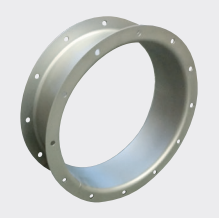



## DIMENSIONES (mm)

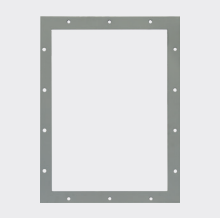



| Modelo | A (mm) | B (mm) | C (mm) | D (mm) | E (mm) | F (mm) | G (mm) |
|---|---|---|---|---|---|---|---|
| MXF 401 N5A/B | 244 | 400 | 485 | 630 | - | 630 | 250 |
| MXF 451 N5A/B | 274 | 450 | 535 | 630 | - | 630 | 260 |
| MXF 501 N5A/B | 311 | 500 | 585 | 710 | - | 710 | 355 |
| MXF 561 N5A/B | 351 | 560 | 666 | 800 | - | 800 | 355 |
| MXF 631 N5A/B | 396 | 630 | 736 | 900 | - | 900 | 330 |
| MXF 711 N5A/B | 444 | 710 | 816 | 1000 | - | 1000 | 500 |
| MXF 801 N5A/B | 494 | 800 | 906 | 1000 | - | 1000 | 500 |
| MXF 901 N5A/B | 554 | 900 | 1006 | 1100 | - | 1100 | 500 |
| MXF 1001 N5A/B | 624 | 1000 | 1107 | 1000 | 250 | 1250 | 630 |

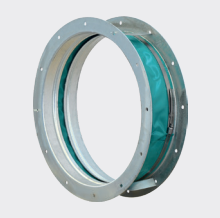
## ACCESORIOS



**CA (CFH1) - CFH2 - CFH3**
Contrabrida - Brida plana circular.



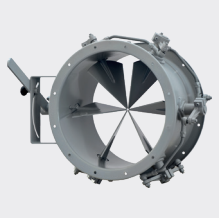
**CP**
Brida plana rectangular.



**GA**
Junta flexible aspiración.



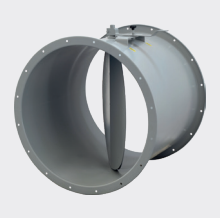
**GP**
Junta flexible descarga.



**DP**
Regulador de caudal de aspiración.



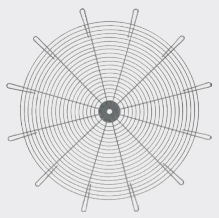
**SAD**
Compuerta de regulación de caudal de descarga.



**SF**
Vávula mariposa.



**DF**
Filtro en la aspiración.



**RC**
Rejilla de protección para la aspiración.



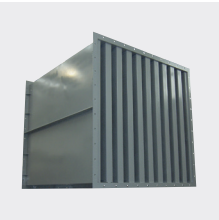
**AM/AZ**
Soportes antivibratorios.



**SCSO**
Silenciador cilíndrico.



**SCCO**
Silenciador cilíndrico con bulbo.



**SASS**
Silenciador rectangular.



**CI**
Cabina de insonorización.

Ver información completa en página **772**.

# MPA

## VENTILADORES CENTRÍFUGOS DE MEDIA PRESIÓN

*ACOPLAMIENTO DIRECTO*

Ventilador diseñado para sistemas de extracción de aire contaminado y transporte neumático. Ejemplos de uso:

- Sistemas de extracción local, deshumidificadores, sistemas de secado.
- Transporte de virutas, serrín y granulados.
- Sistemas de extracción de gases de combustión.





### Características

- Ventiladores centrífugos de media presión con accionamiento directo.
- El impulsor está fabricado en aleación de aluminio, con álabes rectos y equilibrado dinámicamente según la norma ISO 1940-1 (en los modelos hasta 290, en los modelos a partir de 350 y 600, el impulsor está soldado en chapa de acero).
- La carcasa está fabricada en aleación de aluminio.
- Soporte del motor en el modelo 600.
- Malla galvanizada en la entrada en los modelos 200 y 600.
- El color estándar del ventilador es gris RAL 7042.
- La temperatura máxima del fluido transportado es de 80 °C.
- Rango de temperatura ambiente de -20 °C a +40 °C.
- Orientación LG 270 (modelo 350 en la orientación RG 270).

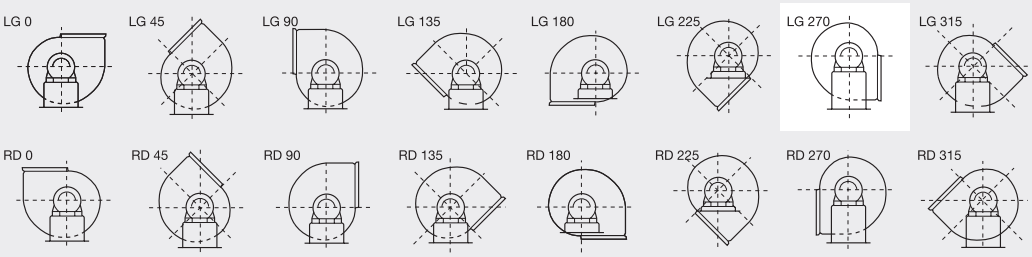
### Motor

- Asíncrono monofásico de 230 V y 50 Hz.
- Asíncrono trifásico de 230 V / 400 V y 50 Hz.
- Asíncrono trifásico de 400 V / 690 V y 50 Hz.
- Grado de protección IP55.
- Clase de aislamiento F.
- Los motores trifásicos están adaptados al convertidor de frecuencia

### Ejecuciones especiales

- Configuración opcional LG/RD (en los modelos de 160 a 290).
- Color diferente al estándar.
- Pintura de mayor categoría de corrosividad.
- Impulsor de chapa de acero galvanizado.
- Impulsor de chapa de acero inoxidable 1.4301.
- Impulsor de chapa de acero resistente a los ácidos 1.4404.
- Motor con voltaje y frecuencia de potencia diferentes a los estándar.
- Motor monofásico adaptado a la regulación de voltaje.
- Motor con grado de protección diferente al estándar.
- Motor equipado con sensores o refrigeración adicional.
- Sellado entre la carcasa y el motor.
- Temperatura máxima del fluido transportado superior a 80 °C.
- Rango de temperatura ambiente inferior a -20 °C y superior a +40 °C.

## ORIENTACIONES




Orientación estándar: LG 270. El resto de las orientaciones se fabrican bajo demanda.

## CARACTERÍSTICAS TÉCNICAS

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación

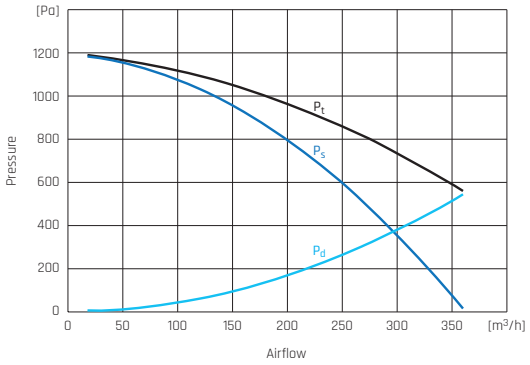
| Tipo | Caudal máximo ($m^3/h$) | Pressure max (Pa) | Potencia máxima absorbida (kW) | Velocidad (r.p.m.) | Intensidad máxima absorbida (A) | | Voltaje (V) | Capacitor (µF) | Nivel presión sonora (dB(A)* | Peso (kg) | Regulador | ErP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MPA 03S | 360 | 1180 | 0,18 | 2780 | 1,6 | | 230 | 8 | 72 | 9 | - | not subject to |
| MPA 03T | 360 | 1180 | 0,18 | 2760 | 0,85 | 0,5 | 230/400 | - | 72 | 9 | Inverter 0,4 kW | not subject to |
| MPA 25S | 385 | 1280 | 0,18 | 2780 | 1,6 | | 230 | 8 | 74 | 10 | - | not subject to |
| MPA 25T | 385 | 1280 | 0,18 | 2760 | 0,85 | 0,5 | 230/400 | - | 74 | 10 | Inverter 0,4 kW | not subject to |
| MPA 40S | 430 | 2120 | 0,37 | 2760 | 2,2 | | 230 | 25 | 74 | 16 | - | not subject to |
| MPA 40T | 430 | 2120 | 0,37 | 2870 | 1,65 | 0,85 | 230/400 | - | 74 | 16 | Inverter 0,4 kW | 2015 |
| MPA 50S | 645 | 2120 | 0,55 | 2780 | 3,6 | | 230 | 20 | 75 | 18 | - | not subject to |
| MPA 50T | 645 | 2120 | 0,55 | 2790 | 2,15 | 1,25 | 230/400 | - | 75 | 15 | Inverter 0,75 kW | 2015 |
| MPA 60S | 640 | 2140 | 0,55 | 2870 | 3,1 | | 230 | 35 | 76 | 24 | - | 2015 |
| MPA 60T | 640 | 2140 | 0,55 | 2870 | 2,15 | 1,25 | 230/400 | - | 76 | 24 | Inverter 0,75 kW | 2015 |
| MPA 70S | 830 | 2150 | 0,75 | 2800 | 4,2 | | 230 | 50 | 78 | 21 | - | 2015 |
| MPA 70T | 830 | 2150 | 0,75 | 2890 | 2,95 | 1,7 | 230/400 | - | 76 | 24 | Inverter 0,75 kW | 2015 |
| MPA 80S | 850 | 2210 | 0,75 | 2800 | 5 | | 230 | 25 | 78 | 21 | - | not subject to |
| MPA 80T | 850 | 2210 | 0,75 | 2890 | 2,95 | 1,7 | 230/400 | - | 78 | 22 | Inverter 0,75 kW | 2015 |
| MPA 90S | 1290 | 2210 | 1,1 | 2800 | 7,2 | | 230 | 30 | 79 | 23 | - | not subject to |
| MPA 90T | 1290 | 2210 | 1,1 | 2890 | 4,3 | 2,5 | 230/400 | - | 79 | 24 | Inverter 1,5 kW | 2015 |
| MPA 160T | 1680 | 2300 | 2,2 | 2895 | 7,9 | 4,6 | 230/400 | - | 80 | 44 | Inverter 2,2 kW | 2015 |
| MPA 290T | 3560 | 3130 | 4 | 2895 | 7,3 | 4,2 | 400/690 | - | 88 | 66 | Inverter 4 kW | 2015 |
| MPA 350T | 4050 | 3730 | 5,5 | 2890 | 9,8 | 5,7 | 400/690 | - | 92 | 67 | Inverter 5,5 kW | 2015 |
| MPA 600T 11kW | 3660 | 6950 | 11 | 2900 | 19,1 | 11,1 | 400/690 | - | 94 | 163 | Inverter 11 kW | not subject to |
| MPA 600T 15kW | 6140 | 6950 | 15 | 2940 | 26,2 | 15,2 | 400/690 | - | 97 | 203 | Inverter 15 kW | not subject to |

* Presión sonora medida a una distancia de 1,5 m del ventilador en q=2/3*Qmax

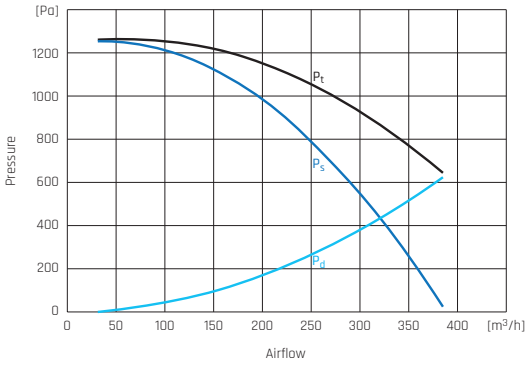
## CURVAS CARACTERÍSTICAS

- $p_t$: Presión total
- $p_s$: Presión estática
- $p_d$: Presión dinámica

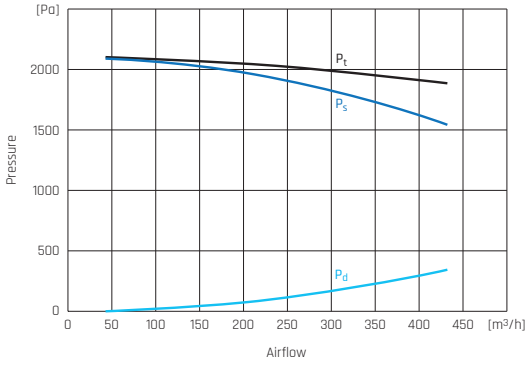
### MPA 03S, MPA 03T



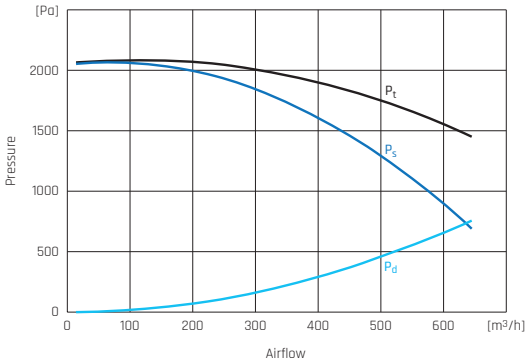

### MPA 25S, MPA 25T




### MPA 40S, MPA 40T




### MPA 50S, MPA 50T



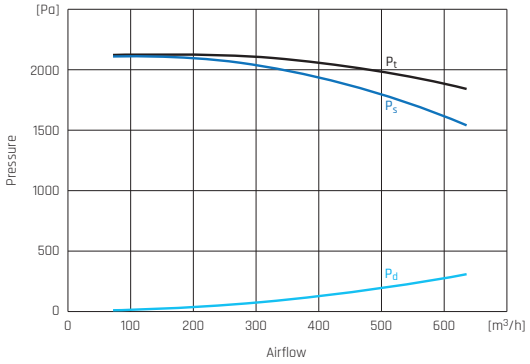

**MPA 40T**

| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| B | Total | No | 1 | 41,1 | 49,5 | 0,48 | 381 | 1884 | 2890 |

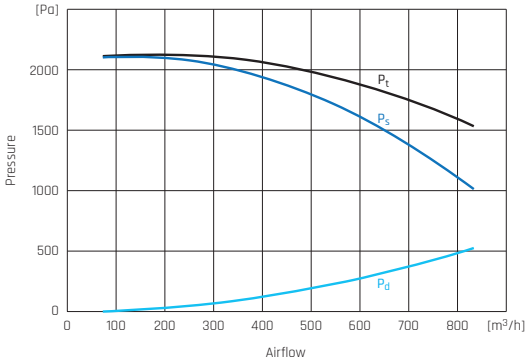
**MPA 50T**

| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| B | Total | No | 1 | 43,1 | 51,3 | 0,51 | 426 | 1883 | 2911 |

### MPA 60S, MPA 60T




### MPA 70S, MPA 70T




**MPA 60S**

| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| B | Total | No | 1 | 43,1 | 50,5 | 0,67 | 545 | 1914 | 2870 |

**MPA 60T**

| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| B | Total | No | 1 | 46,3 | 54 | 0,6 | 523 | 1912 | 2860 |

**MPA 70S**

| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| B | Total | No | 1 | 41,9 | 49,2 | 0,69 | 546 | 1906 | 2880 |

**MPA 70T**

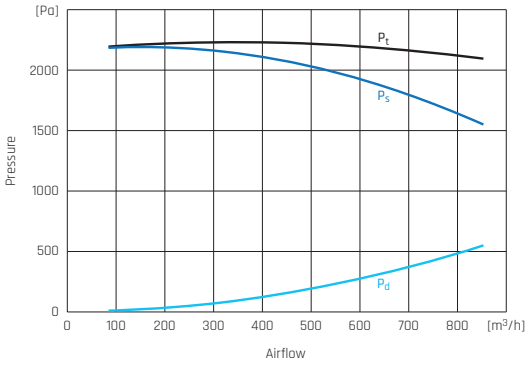
| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| B | Total | No | 1 | 43,2 | 50,5 | 0,69 | 565 | 1924 | 2890 |

**MC** Categoría de medición
**EC** Categoría de eficiencia
**VSD** Mando de regulación de velocidad: debe suministrarse con el ventilador
**SR** Relación específica
**η[%]** Eficiencia
**N** Grado de eficiencia
**[kW]** Potencia absorbida
**[m³/h]** Caudal
**[Pa]** Presión estática
**[RPM]** Velocidad

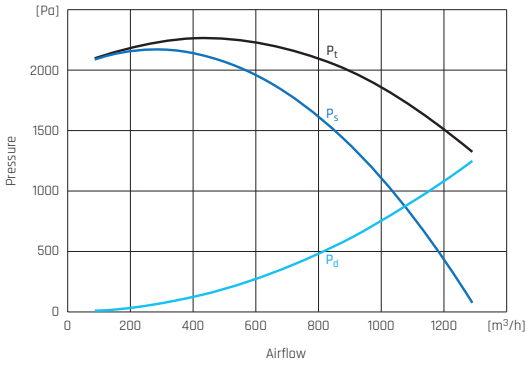
## CURVAS CARACTERÍSTICAS

- $p_t$: Presión total
- $p_s$: Presión estática
- $p_d$: Presión dinámica

### MPA 80S, MPA 80T




### MPA 90S, MPA 90T



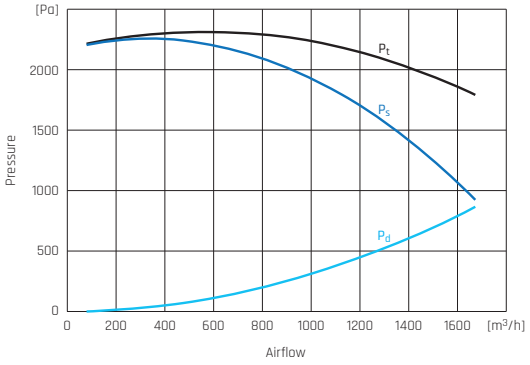

### MPA 80T

| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| B | Total | No | 1 | 49,8 | 56,7 | 0,82 | 725 | 2058 | 2913 |

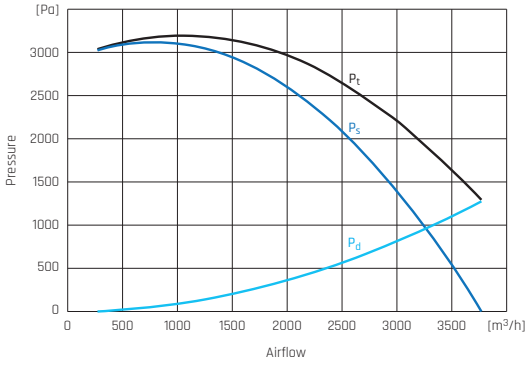
### MPA 70S

| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| B | Total | No | 1 | 49,4 | 56 | 0,92 | 775 | 2139 | 2900 |

### MPA 160T




### MPA 290T



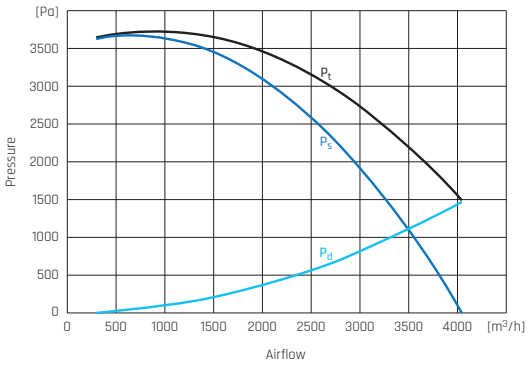

### MPA 160T

| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| B | Total | No | 1 | 49,9 | 55,2 | 1,43 | 1183 | 2186 | 2951 |

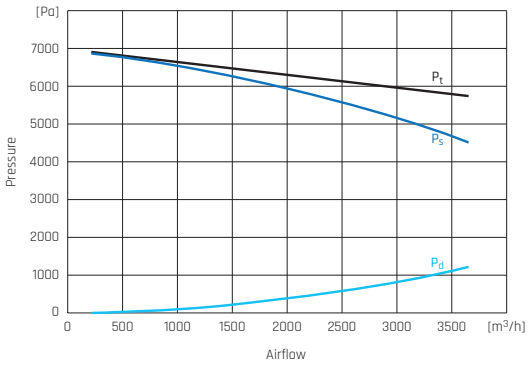
### MPA 290T

| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| B | Total | No | 1 | 56,8 | 60,2 | 2,88 | 1997 | 2975 | 2934 |

### MPA 350T




### MPA 600T 11kW




### MPA 350T

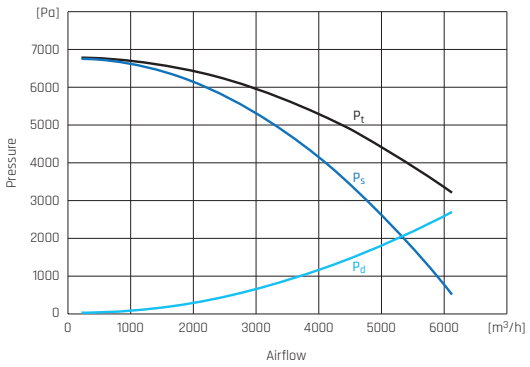
| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| B | Total | No | 1 | 50,5 | 53 | 4,12 | 2234 | 3350 | 2870 |

**MC** Categoría de medición
**EC** Categoría de eficiencia
**VSD** Mando de regulación de velocidad: debe suministrarse con el ventilador
**SR** Relación específica
**η[%]** Eficiencia
**N** Grado de eficiencia
**[kW]** Potencia absorbida
**[m³/h]** Caudal
**[Pa]** Presión estática
**[RPM]** Velocidad

## CURVAS CARACTERÍSTICAS

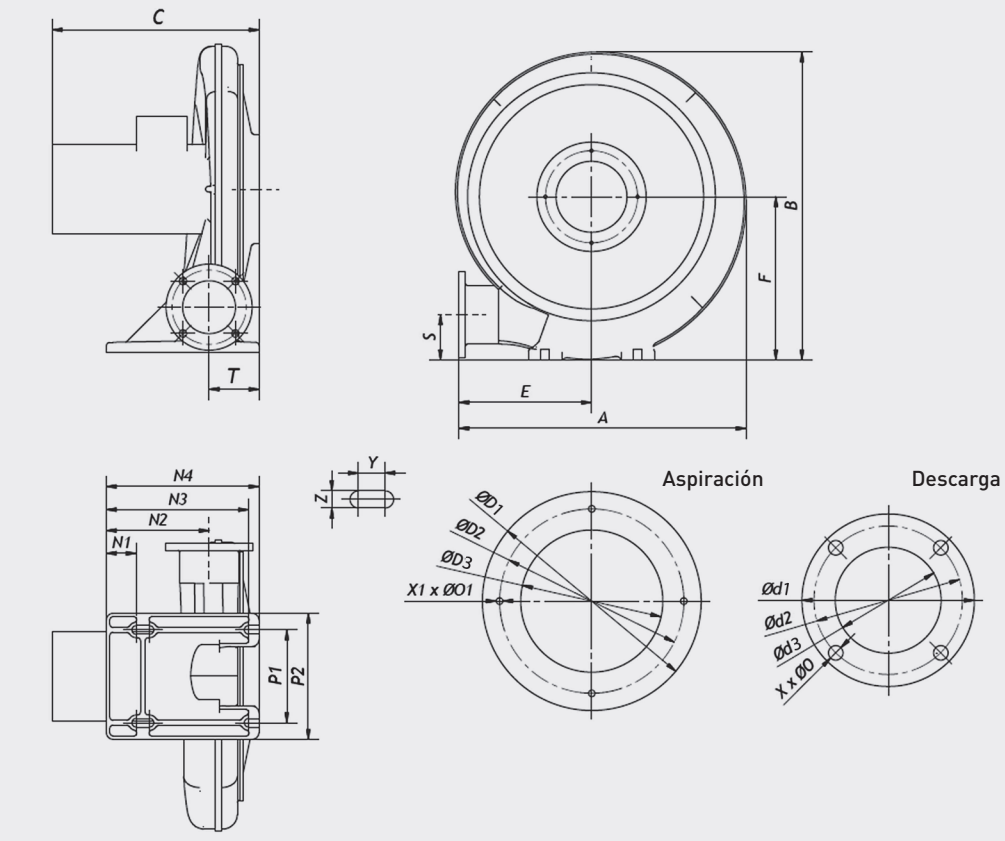
- $p_t$: Presión total
- $p_s$: Presión estática
- $p_d$: Presión dinámica

MPA 600T 15kW




## DIMENSIONES (mm)

MPA 03 - 90

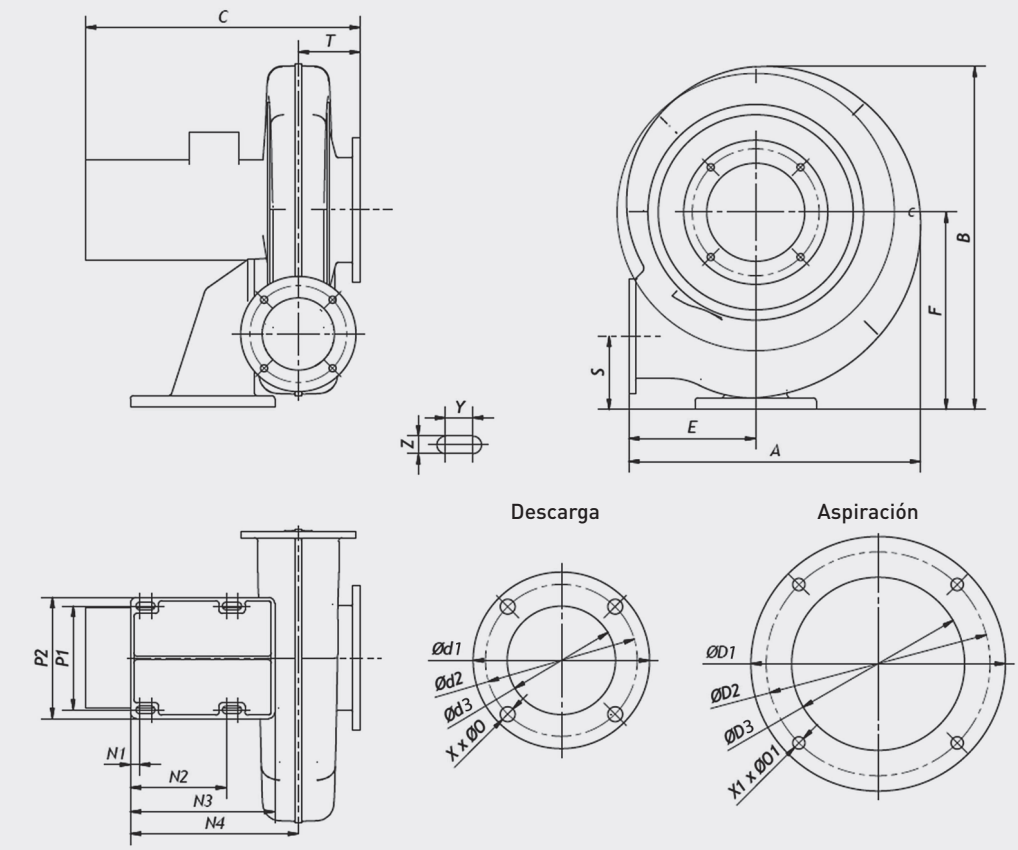



| Tipo | A | B | C* | ØD1 | ØD2 | ØD3 | Ød1 | Ød2 | Ød3 | E | F | N1 | N2 | N3 | N4 | Ø0 | Ø01 | P1 | P2 | S | T | X | X1 | Y | Z |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MPA 03 | 327 | 333 | 245 | 165 | 139 | 100 | 115 | 95 | 65 | 160 | 174 | 30 | 108 | 159 | 180 | 10 | M6 | 80 | 120 | 59 | 64 | 4 | 4 | 19 | 12 |
| MPA 25 | 327 | 333 | 245 | 165 | 139 | 100 | 115 | 95 | 65 | 160 | 174 | 30 | 108 | 159 | 180 | 10 | M6 | 80 | 120 | 59 | 64 | 4 | 4 | 19 | 12 |
| MPA 40 | 433 | 464 | 295 | 165 | 139 | 107 | 130 | 112 | 80 | 200 | 246 | 45 | 155 | 215 | 231 | 11 | M6 | 140 | 190 | 68 | 76 | 4 | 4 | 20 | 13 |
| MPA 50 | 433 | 464 | 312 | 165 | 139 | 107 | 130 | 112 | 80 | 200 | 246 | 45 | 155 | 215 | 231 | 11 | M8 | 140 | 190 | 68 | 76 | 4 | 4 | 20 | 13 |
| MPA 60 | 451 | 515 | 317 | 200 | 182 | 162 | 165 | 139 | 100 | 210 | 290 | 47 | 156 | 215 | 240 | 9,5 | M8 | 140 | 200 | 91 | 58 | 4 | 4 | 20 | 13 |
| MPA 70 | 451 | 515 | 328 | 200 | 182 | 162 | 165 | 139 | 100 | 210 | 290 | 47 | 156 | 215 | 240 | 9,5 | M8 | 140 | 200 | 91 | 58 | 4 | 4 | 20 | 13 |
| MPA 80 | 453 | 486 | 341 | 200 | 182 | 138 | 160 | 135 | 100 | 210 | 261 | 45 | 155 | 225 | 240 | 11 | M8 | 140 | 190 | 82 | 85 | 4 | 4 | 20 | 13 |
| MPA 90 | 453 | 486 | 341 | 200 | 182 | 138 | 160 | 135 | 100 | 210 | 261 | 45 | 155 | 225 | 240 | 11 | M8 | 140 | 190 | 82 | 85 | 4 | 4 | 20 | 13 |

* La dimensión C depende del motor utilizado

## DIMENSIONES (mm)

MPA 160

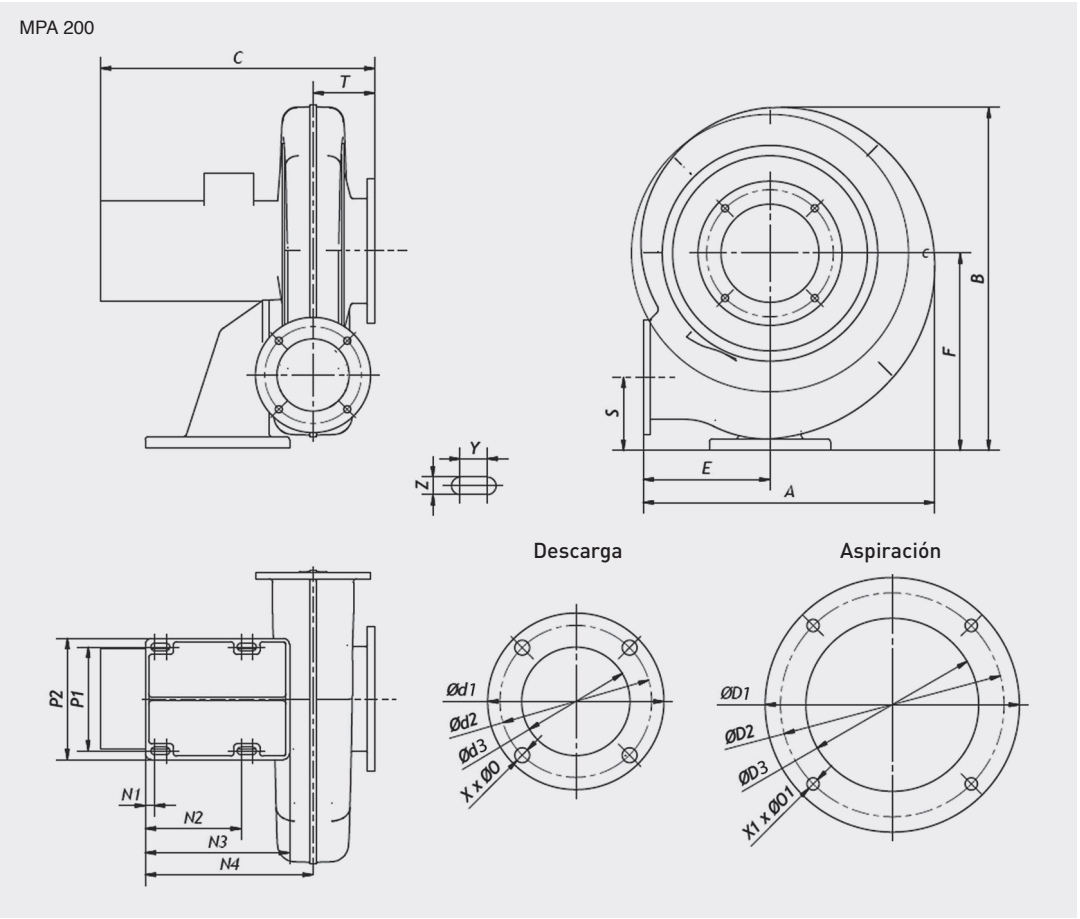



| Tipo | A | B | C* | ØD1 | ØD2 | ØD3 | Ød1 | Ød2 | Ød3 | E | F | N1 | N2 | N3 | N4 | Ø0 | Ø01 | P1 | P2 | S | T | X | X1 | Y | Z |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MPA 160 | 506 | 595 | 476 | 250 | 220 | 170 | 200 | 168 | 125 | 220 | 342 | 15 | 166 | 250 | 291 | 12 | 12 | 180 | 210 | 127 | 107 | 4 | 4 | 20 | 13 |

* La dimensión C depende del motor utilizado

## DIMENSIONES (mm)

MPA 200

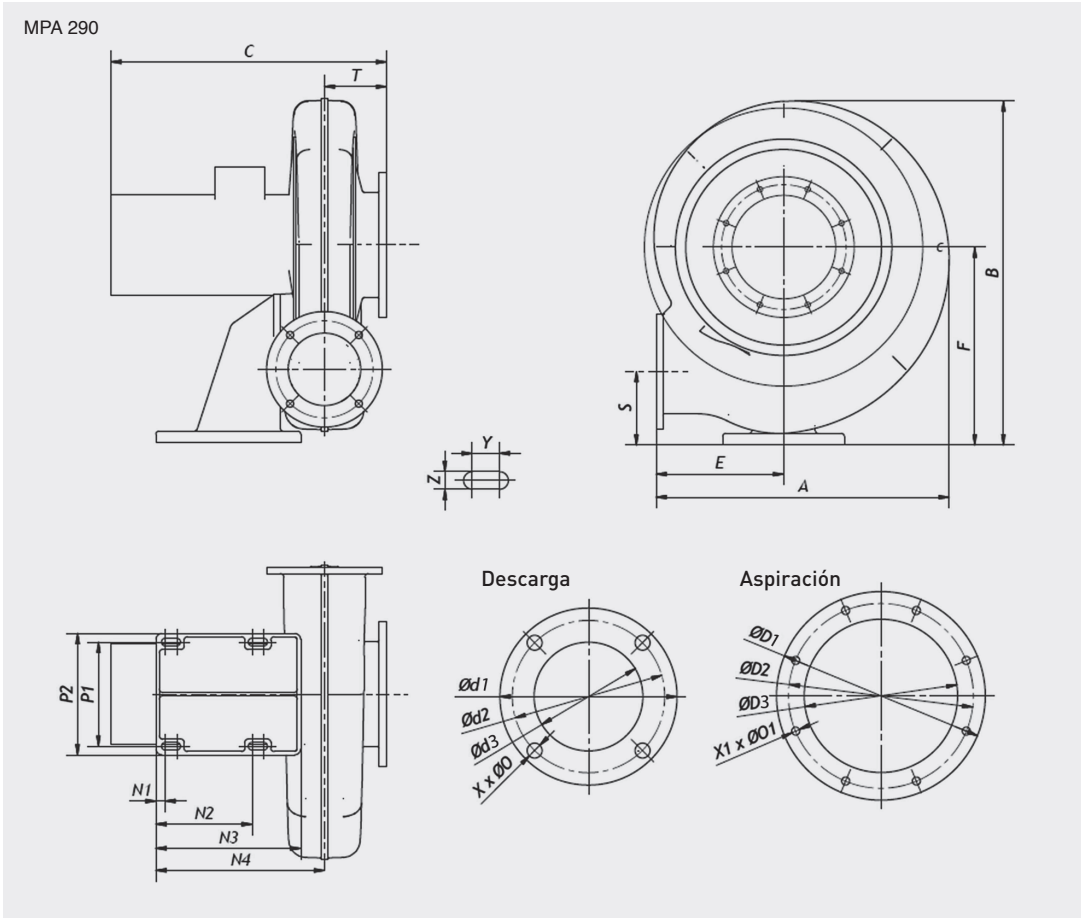



| Tipo | A | B | C* | ØD1 | ØD2 | ØD3 | Ød1 | Ød2 | Ød3 | E | F | N1 | N2 | N3 | N4 | N5 | N6 | Ø0 | Ø01 | P1 | P2 | S | T | X | X1 | Y | Z |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MPA 200 | 523 | 577 | 453 | 200 | 182 | 140 | 191 | 165 | 125 | 248 | 320 | 17,5 | 167,5 | 273,5 | 293,5 | 349,5 | 380 | 9,5 | M6 | 180 | 230 | 98 | 73 | 4 | 8 | 13 | 13 |

* La dimensión C depende del motor utilizado

## DIMENSIONES (mm)

MPA 290

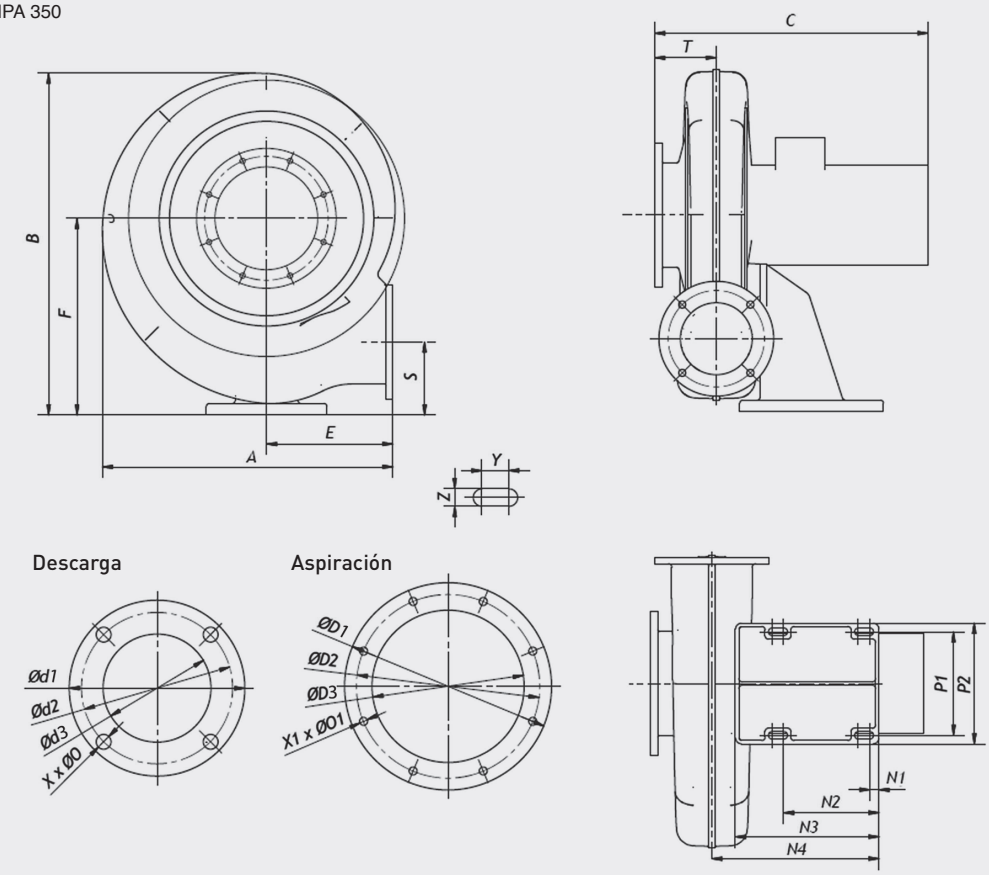



| Tipo | A | B | C* | ØD1 | ØD2 | ØD3 | Ød1 | Ød2 | Ød3 | E | F | N1 | N2 | N3 | N4 | Ø0 | Ø01 | P1 | P2 | S | T | X | X1 | Y | Z |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MPA 290 | 617 | 708 | 523 | 245 | 217 | 180 | 260 | 230 | 179 | 280 | 410 | 16 | 166 | 250 | 295 | 13 | 9,5 | 180 | 215 | 170 | 133 | 4 | 8 | 20 | 13 |

* La dimensión C depende del motor utilizado

## DIMENSIONES (mm)

MPA 350

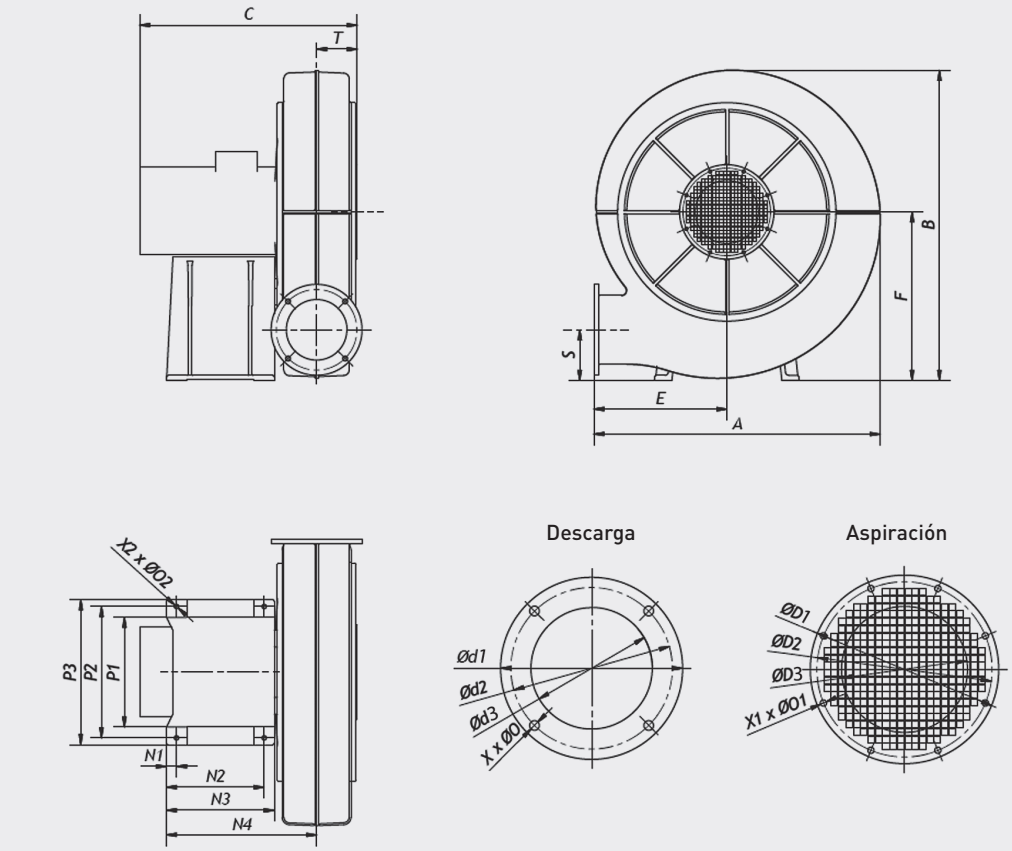



| Tipo | A | B | C* | ØD1 | ØD2 | ØD3 | Ød1 | Ød2 | Ød3 | E | F | N1 | N2 | N3 | N4 | Ø0 | Ø01 | P1 | P2 | S | T | X | X1 | Y | Z |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MPA 350 | 617 | 708 | 555 | 245 | 217 | 180 | 260 | 230 | 170 | 280 | 410 | 16 | 166 | 250 | 295 | 13 | 9,5 | 180 | 215 | 170 | 133 | 4 | 8 | 20 | 13 |

* La dimensión C depende del motor utilizado

## DIMENSIONES (mm)

MPA 600 11kW

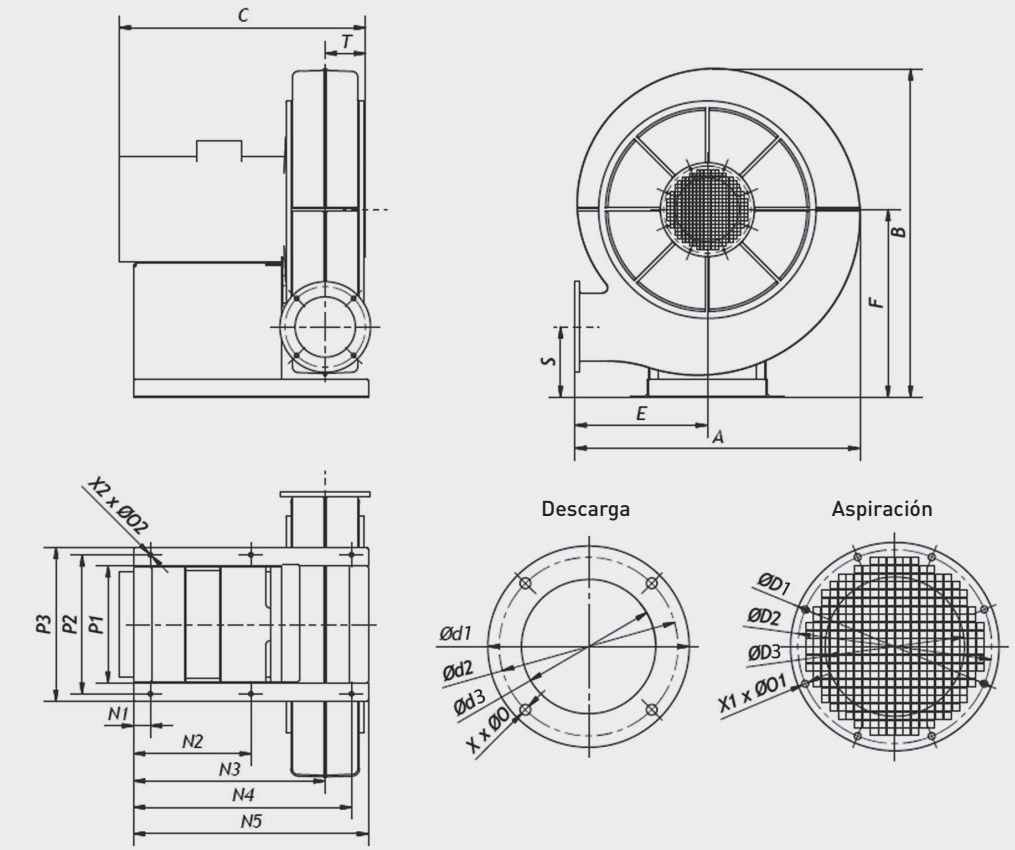



| Tipo | A | B | C* | ØD1 | ØD2 | ØD3 | Ød1 | Ød2 | Ød3 | E | F | N1 | N2 | N3 | N4 | Ø0 | Ø01 | Ø02 | P1 | P2 | P3 | S | T | X | X1 | X2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MPA 600 11kW | 850 | 920 | 678 | 280 | 260 | 212 | 270 | 240 | 180 | 395 | 500 | 30 | 290 | 320 | 476 | 14 | 9 | 13 | 326 | 390 | 430 | 150 | 117 | 4 | 8 | 4 |

* La dimensión C depende del motor utilizado

## DIMENSIONES (mm)

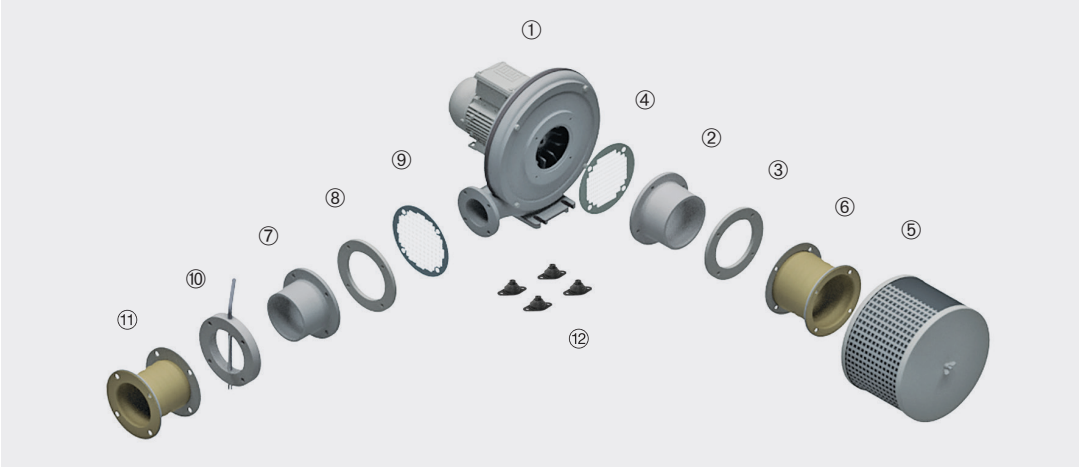
MPA 600 15kW




| Tipo | A | B | C* | ØD1 | ØD2 | ØD3 | Ød1 | Ød2 | Ød3 | E | F | N1 | N2 | N3 | N4 | N5 | Ø0 | Ø01 | Ø02 | P1 | P2 | P3 | S | T | X | X1 | X2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MPA 600 15kW | 850 | 914 | 734 | 280 | 260 | 212 | 270 | 240 | 180 | 395 | 560 | 50 | 350 | 571 | 650 | 700 | 14 | 9 | 14 | 350 | 415 | 460 | 210 | 121 | 4 | 8 | 6 |

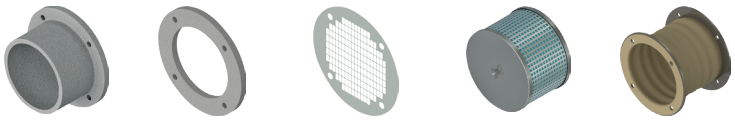
* La dimensión C depende del motor utilizado

## ACCESORIOS DE MONTAJE



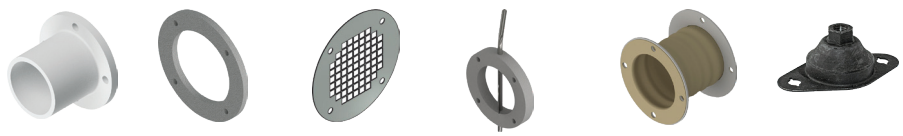

Aspiración

| ① Tipo | ② Conexión de succión | ③ Collar de soldadura | ④ Malla protectora | ⑤ Filtro | ⑥ Conector antivibración |
|---|---|---|---|---|---|
| MPA 03 | 45510440 | 45515440 | 45510500 | 25511485-20 | 42519930 |
| MPA 25 | 45510440 | 45515440 | 45510500 | 25511485-20 | 42519930 |
| MPA 40 | 46515040 | 45515460 | 26510223 | 25511485-12 | 42519930 |
| MPA 50 | 46515040 | 45515460 | 26510223 | 25511485-12 | 42519930 |
| MPA 60 | 46515050 | 45515510 | 45510520 | 25511485-14 | 42519932 |
| MPA 70 | 46515050 | 45515510 | 45510520 | 25511485-14 | 42519932 |
| MPA 80 | 46515050 | 45515510 | 45510520 | 25511485-14 | 42519932 |
| MPA 90 | 46515050 | 45515510 | 45510520 | 25511485-14 | 42519932 |
| MPA 160 | 25510480 | 45515525 | 45510530 | 25511485-16 | 25511577 |
| MPA 200 | 45510475 | 45515510 | 25511508 | 25511486-14 | 42519932 |
| MPA 290 | 25510590 | 45515595 | 45510540 | 25511485-18 | 25511559 |
| MPA 350 | 25510590 | 45515595 | 45510540 | 25511485-18 | 25511559 |
| MPA 600 | 46515051 | 45516586 | - | - | 42519934 |



Descarga

| ① Tipo | ⑦ Conexión de salida | ⑧ Collar de soldadura | ⑨ Malla protectora | ⑩ Acelerador | ⑪ Conector antivibración | ⑫ Soporte antivibración |
|---|---|---|---|---|---|---|
| MPA 03 | 45510450 | 45515450 | 45510550 | 25511302 | 25511525 | 26040960 |
| MPA 25 | 45510450 | 45515450 | 45510550 | 25511302 | 25511525 | 26040960 |
| MPA 40 | 45510465 | 45515465 | 45510560 | 25511316 | 25511549 | 26040960 |
| MPA 50 | 45510465 | 45515465 | 45510560 | 25511316 | 25511549 | 26040960 |
| MPA 60 | 46515040-01 | 45515500 | 26510224 | 25511314 | 42519937 | 26040960 |
| MPA 70 | 46515040-01 | 45515500 | 26510224 | 25511314 | 42519937 | 26040960 |
| MPA 80 | 45510470 | 45515470 | 45510570 | 45510415 | 42519936 | 26040960 |
| MPA 90 | 45510470 | 45515470 | 45510570 | 45510415 | 42519936 | 26040960 |
| MPA 160 | 25510485 | 45515520 | 45510580 | 25511321 | 25511553 | 26040965 |
| MPA 200 | 46515060-10 | 45516580 | 25511503 | 25511347 | 42519940 | 26040965 |
| MPA 290 | 25510595 | 45515590 | 45510590 | 25511325 | 25511557 | 26040965 |
| MPA 350 | 25510595 | 45515590 | 45510590 | 25511325 | 25511557 | 26040970 |
| MPA 600 | 46515069 | 45516585 | - | - | 42519938 | 26040970 |



## ACCESORIOS ELÉCTRICOS

| Tipo | Inverter | Interruptor de servicio |
|---|---|---|
| MPA 03S | - | 91040907-01 |
| MPA 03T | Inverter 0,4kW | 91040908-01 |
| MPA 25S | - | 91040907-01 |
| MPA 25T | Inverter 0,4kW | 91040908-01 |
| MPA 40S | - | 91040907-01 |
| MPA 40T | Inverter 0,4kW | 91040908-01 |
| MPA 50S | - | 91040907-01 |
| MPA 50T | Inverter 0,75kW | 91040908-01 |
| MPA 60S | - | 91040907-01 |
| MPA 60T | Inverter 0,75kW | 91040908-01 |
| MPA 70S | - | 91040907-01 |
| MPA 70T | Inverter 0,75kW | 91040908-01 |
| MPA 80S | - | 91040907-01 |
| MPA 80T | Inverter 0,75kW | 91040908-01 |
| MPA 90S | - | 91040907-01 |
| MPA 90T | Inverter 1,5kW | 91040908-01 |
| MPA 160T | Inverter 2,2kW | 91040908-01 |
| MPA 200T | Inverter 2,2kW | 91040908-01 |
| MPA 290T | Inverter 4kW | 91040908-01 |
| MPA 350T | Inverter 5,5kW | 91040908-01 |
| MPA 600T 11kW | Inverter 11kW | 91040908 |
| MPA 600T 15kW | Inverter 15kW | 91040908 |





# MBA

VENTILADORES CENTRÍFUGOS
DE MEDIA PRESIÓN

*ACOPLAMIENTO DIRECTO*

Ventilador diseñado para transportar gases no agresivos y no explosivos sin contaminación.
Aplicaciones habituales:
- Transporte neumático.
- Soplado en sistemas de secado (p. ej., maquinaria de artes gráficas y procesamiento de plásticos).
- Sistemas de soplado de aire en sistemas de combustión / tratamiento térmico (p. ej., hornos de fusión).



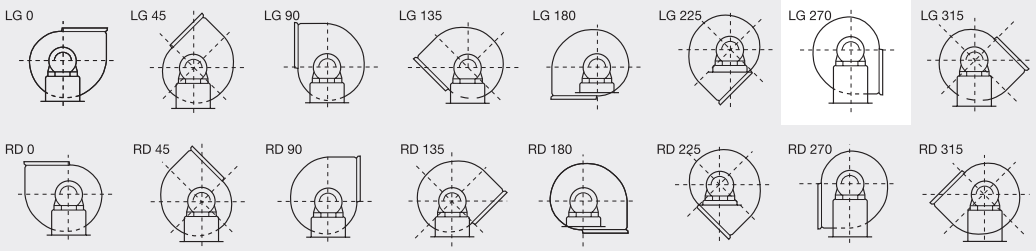


## Características
- Ventilador centrífugo de media presión con accionamiento directo.
- Impulsor remachado de chapa de aluminio con álabes curvados hacia atrás, equilibrado dinámicamente según la norma ISO 1940-1.
- La carcasa está fabricada en aleación de aluminio.
- Tapa de entrada galvanizada.
- Ventilador pintado en gris RAL 7042.
- La temperatura máxima del fluido transportado es de 80 °C.
- El rango de temperatura ambiente de -20 °C a +40 °C.
- Orientación LG 270.

## Motor
- Asíncrono monofásico, 230 V y 50 Hz (potencia hasta 1,5 kW).
- Asíncrono trifásico, 230 / 400 V y 50 Hz (potencia a partir de 3 kW).
- Asíncrono trifásico, 400 / 690 V y 50 Hz (potencia a partir de 11,0 kW).
- Clase de eficiencia IE3 (potencia a partir de 0,75 kW) o IE2 (1,5 kW, 230 V).
- Grado de protección IP55.
- Clase de aislamiento F.
- Los motores trifásicos están adaptados al convertidor de frecuencia.
- Motores monofásicos para regular el voltaje (de 0,37 a 0,75 kW).

## Ejecuciones especiales
- Orientación diferente LG/RD.
- Pintado en un color diferente.
- Impulsor de chapa de acero galvanizado.
- Impulsor de acero inoxidable 1.4301
- Impulsor de acero resistente a los ácidos 1.4404.
- Voltaje y frecuencia del motor diferentes.
- Motor monofásico accionado por voltaje.
- Grado diferente de protección del motor.
- Motor equipado con sensor o refrigeración adicional.
- Rango de temperatura ambiente inferior a -20 °C y superior a +40 °C.

## ORIENTACIONES




Orientación estándar: LG 270. El resto de las orientaciones se fabrican bajo demanda.

## CARACTERÍSTICAS TÉCNICAS

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación

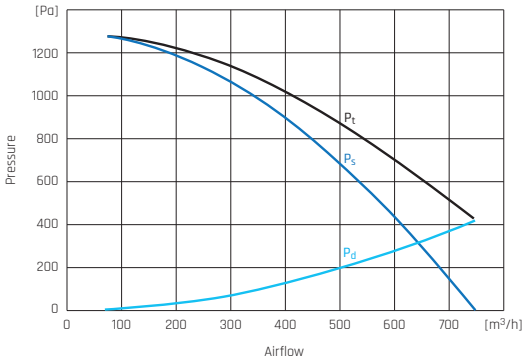
| Tipo | Caudal máximo ($m^3/h$) | Pressure max (Pa) | Potencia máxima absorbida (kW) | Velocidad (r.p.m.) | Intensidad máxima absorbida (A) | Voltaje (V) | Capacitor (µF) | Nivel presión sonora (dB(A))* | Peso (kg) | ErP |
|---|---|---|---|---|---|---|---|---|---|---|
| MBA 30T | 750 | 1250 | 0,25 | 2790 | 1,1/0,65 | 230/400 | - | 70 | 12 | 2015 |
| MBA 40S | 560 | 1880 | 0,37 | 2880 | 2,2 | 230 | 25 | 73 | 17 | 2015 |
| MBA 40T | 660 | 1820 | 0,37 | 2870 | 0,95 | 230/400 | - | 73 | 17 | 2015 |
| MBA 75S | 720 | 2400 | 0,55 | 2870 | 3,1 | 230 | 35 | 75 | 22 | 2015 |
| MBA 75T | 795 | 2490 | 0,55 | 2870 | 2,15/1,25 | 230/400 | - | 75 | 22 | 2015 |
| MBA 110S | 1040 | 2470 | 0,75 | 2880 | 4,2 | 230 | 50 | 78 | 24 | 2015 |
| MBA 110T | 1140 | 2490 | 0,75 | 2890 | 2,95/1,7 | 230/400 | - | 78 | 23 | 2015 |
| MBA 220T | 2315 | 3230 | 1,5 | 2880 | 5,25/3 | 230/400 | - | 79 | 52 | 2015 |
| MBA 300S | 2090 | 3320 | 1,5 | 2740 | 9,1 | 230 | 40 | 79 | 42 | 2015 |
| MBA 300T | 1460 | 3380 | 1,5 | 2880 | 5,25/3 | 230/400 | - | 79 | 43 | 2015 |
| MBA 400T | 3490 | 3860 | 3 | 2880 | 9,3/5,3 | 230/400 | - | 84 | 61 | 2015 |
| MBA 600T | 5860 | 6530 | 11 | 2900 | 19,1/11,1 | 400/690 | - | 90 | 143,3 | 2015 |

* Presión sonora medida a una distancia de 1,5 m del ventilador en q=2/3*Qmax

## CURVAS CARACTERÍSTICAS

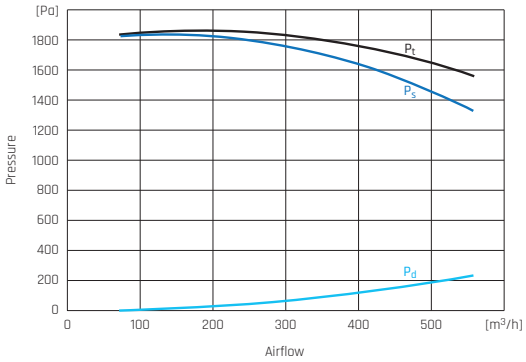
- $p_t$: Presión total
- $p_s$: Presión estática
- $p_d$: Presión dinámica

### MBA 30T



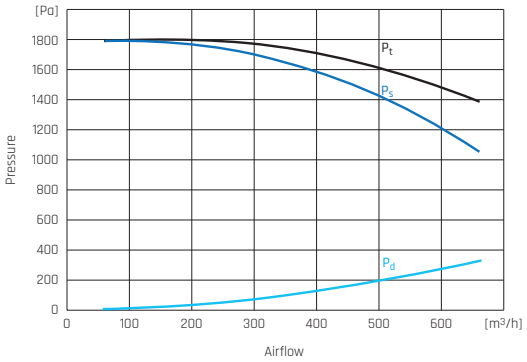

| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| B | Total | No | 1 | 44,1 | 61,2 | 0,24 | 365 | 1031 | 2796 |

### MBA 40S



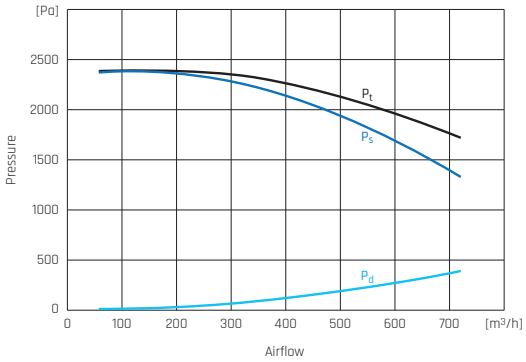

| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| B | Total | No | 1 | 50,5 | 64,7 | 0,4 | 486 | 1668 | 2880 |

### MBA 40T



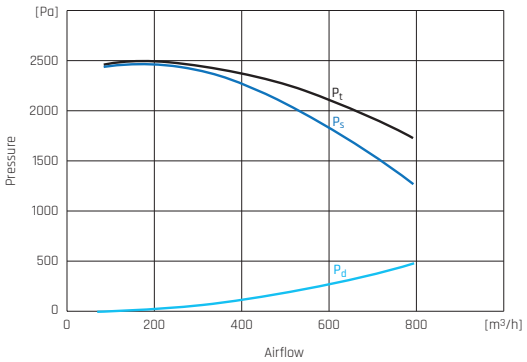

| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| B | Total | No | 1 | 51,2 | 65,4 | 0,4 | 527 | 1570 | 2870 |

### MBA 75S



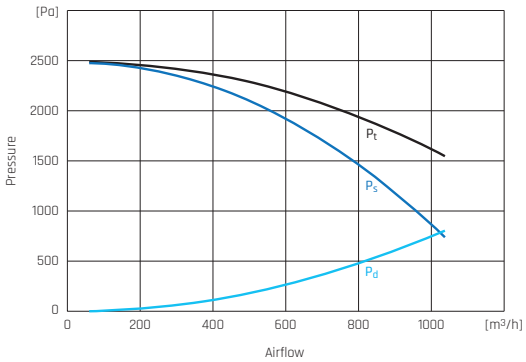

| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| B | Total | No | 1 | 51,8 | 64,7 | 0,6 | 540 | 2069 | 2870 |

### MBA 75T




| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| B | Total | No | 1 | 54,5 | 67,2 | 0,6 | 583 | 2126 | 2870 |

### MBA 110S



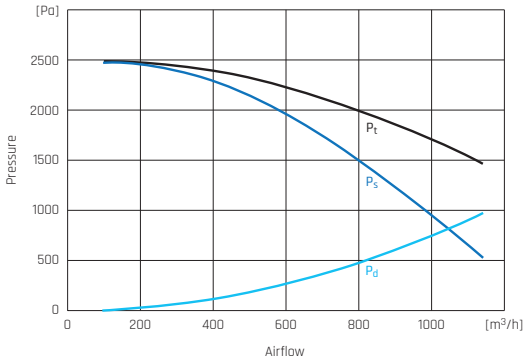

| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| B | Total | No | 1 | 53,7 | 65,7 | 0,73 | 671 | 2116 | 2921 |

**MC** Categoría de medición
**EC** Categoría de eficiencia
**VSD** Mando de regulación de velocidad: debe suministrarse con el ventilador
**SR** Relación específica
**η[%]** Eficiencia
**N** Grado de eficiencia
**[kW]** Potencia absorbida
**[m³/h]** Caudal
**[Pa]** Presión estática
**[RPM]** Velocidad

## CURVAS CARACTERÍSTICAS

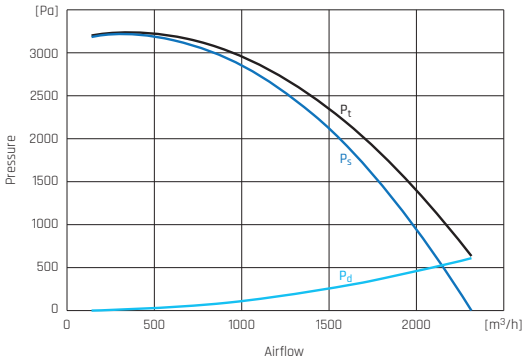
- $p_t$: Presión total
- $p_s$: Presión estática
- $p_d$: Presión dinámica

### MBA 110T



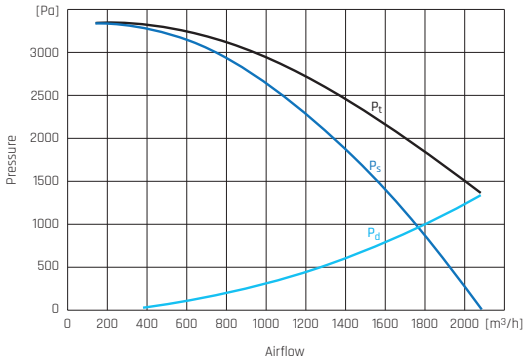

| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| B | Total | No | 1 | 56,7 | 68,5 | 0,75 | 762 | 2035 | 2923 |

### MBA 220T



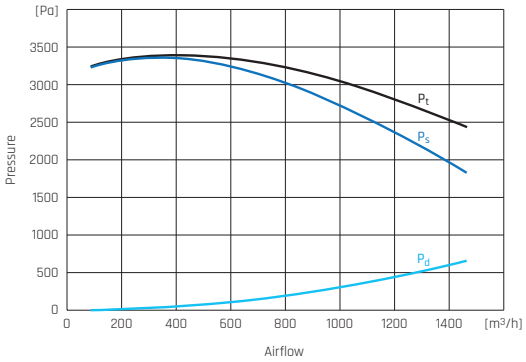

| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| B | Total | No | 1 | 62 | 70,7 | 1,5 | 1283 | 2642 | 2903 |

### MBA 300S



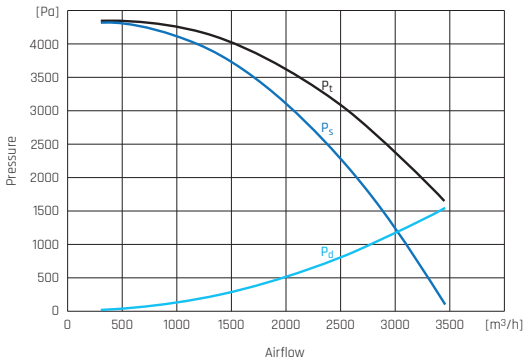

| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| B | Total | No | 1 | 55,1 | 64,6 | 1,23 | 847 | 2878 | 2750 |

### MBA 300T



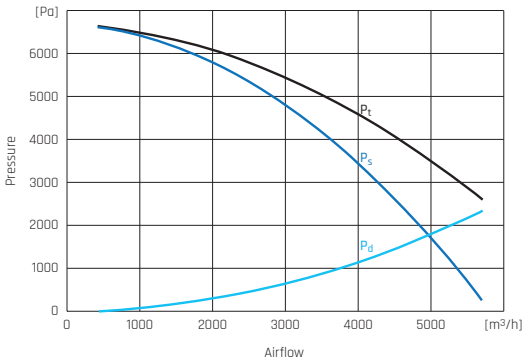

| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| B | Total | No | 1 | 58,9 | 67,6 | 1,48 | 1081 | 2937 | 2912 |

### MBA 400T




| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| B | Total | No | 1 | 66,60%72,7 | | 2,65 | 1976 | 3244 | 2911 |

### MBA 600T

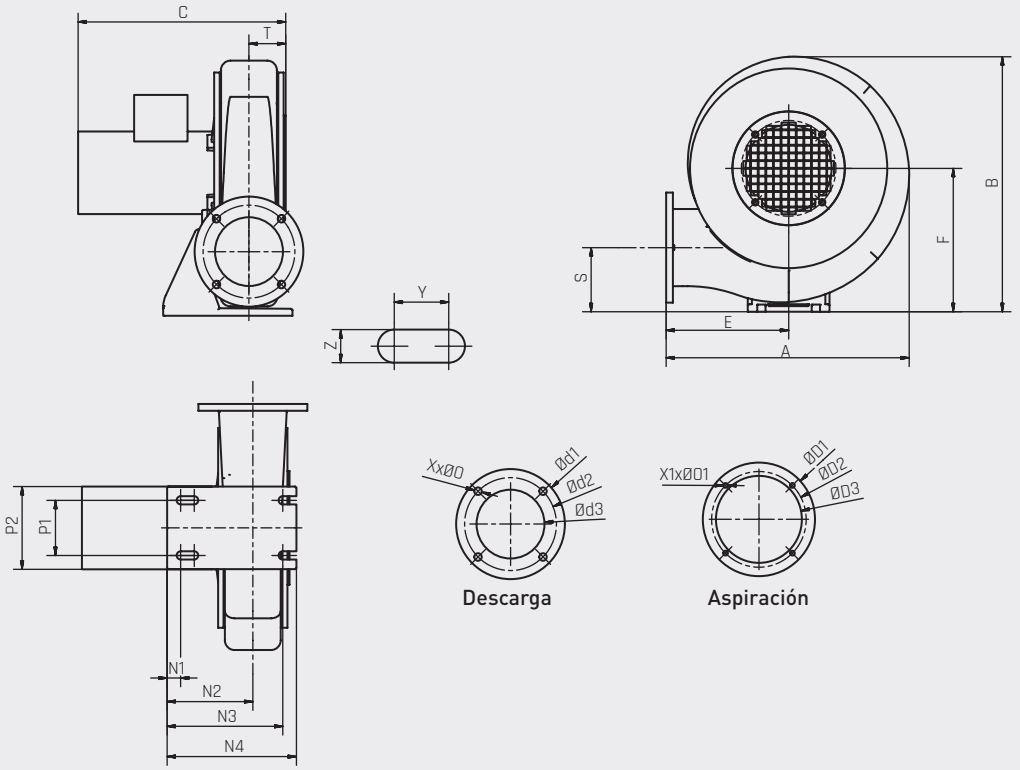



| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| B | Total | No | 1 | 64,20%64,6 | | 7,38 | 3171 | 5429 | 2957 |

**MC** Categoría de medición
**EC** Categoría de eficiencia
**VSD** Mando de regulación de velocidad: debe suministrarse con el ventilador
**SR** Relación específica
**η[%]** Eficiencia
**N** Grado de eficiencia
**[kW]** Potencia absorbida
**[m³/h]** Caudal
**[Pa]** Presión estática
**[RPM]** Velocidad

## DIMENSIONES (mm)

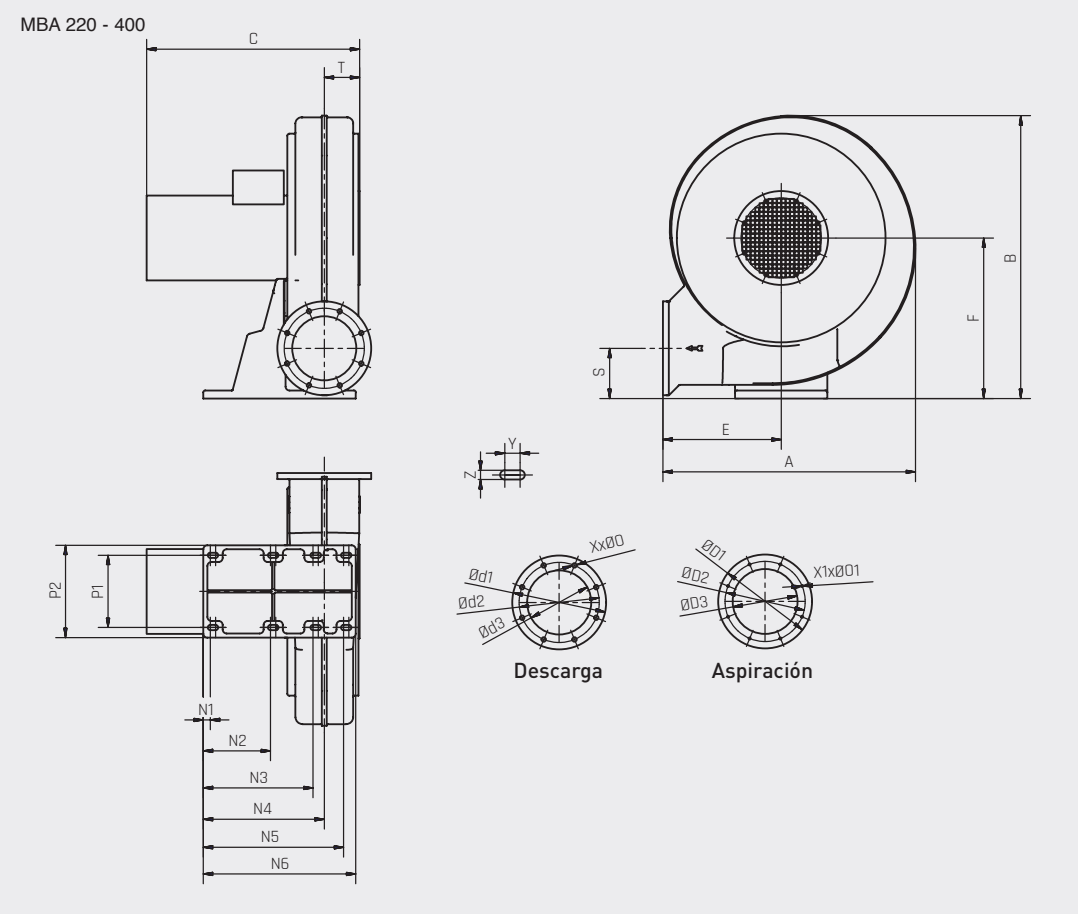
MBA 30 - 110




| Tipo | A | B | C* | Ød1 | Ød2 | Ød3 | ØD1 | ØD2 | ØD3 | E | F | N1 | N2 | N3 | N4 | Ø0 | Ø01 | P1 | P2 | S | T | Z | X | X1 | Y |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MBA 30 | 357 | 370 | 305 | 160 | 135 | 100 | 165 | 139 | 126 | 180 | 208 | 20 | 126 | 170 | 190 | 11 | M8 | 80 | 120 | 93 | 54 | 12 | 4 | 4 | 20 |
| MBA 40 | 405 | 444 | 337 | 165 | 139 | 100 | 200 | 165 | 150 | 200 | 245 | 20 | 127 | 170 | 190 | 9,5 | M8 | 80 | 120 | 85 | 60 | 12 | 4 | 4 | 20 |
| MBA 75 | 451 | 515 | 364 | 165 | 139 | 100 | 165 | 139 | 126 | 210 | 290 | 46,5 | 156 | 215 | 240 | 9,5 | M8 | 140 | 200 | 91 | 58 | 13 | 4 | 4 | 17 |
| MBA 110 | 451 | 515 | 364 | 165 | 139 | 100 | 200 | 182 | 162 | 210 | 290 | 46,5 | 156 | 215 | 240 | 9,5 | M8 | 140 | 200 | 91 | 59 | 13 | 4 | 4 | 17 |
| MBA 30 | 357 | 370 | 305 | 160 | 135 | 100 | 165 | 139 | 126 | 180 | 208 | 20 | 126 | 170 | 190 | 11 | M8 | 80 | 120 | 93 | 54 | 12 | 4 | 4 | 20 |
| MBA 40 | 405 | 444 | 337 | 165 | 139 | 100 | 200 | 165 | 150 | 200 | 245 | 20 | 127 | 170 | 190 | 9,5 | M8 | 80 | 120 | 85 | 60 | 12 | 4 | 4 | 20 |
| MBA 75 | 451 | 515 | 364 | 165 | 139 | 100 | 165 | 139 | 126 | 210 | 290 | 46,5 | 156 | 215 | 240 | 9,5 | M8 | 140 | 200 | 91 | 58 | 13 | 4 | 4 | 17 |
| MBA 110 | 451 | 515 | 364 | 165 | 139 | 100 | 200 | 182 | 162 | 210 | 290 | 46,5 | 156 | 215 | 240 | 9,5 | M8 | 140 | 200 | 91 | 59 | 13 | 4 | 4 | 17 |

* La dimensión C depende del motor hidráulico seleccionado

## DIMENSIONES (mm)

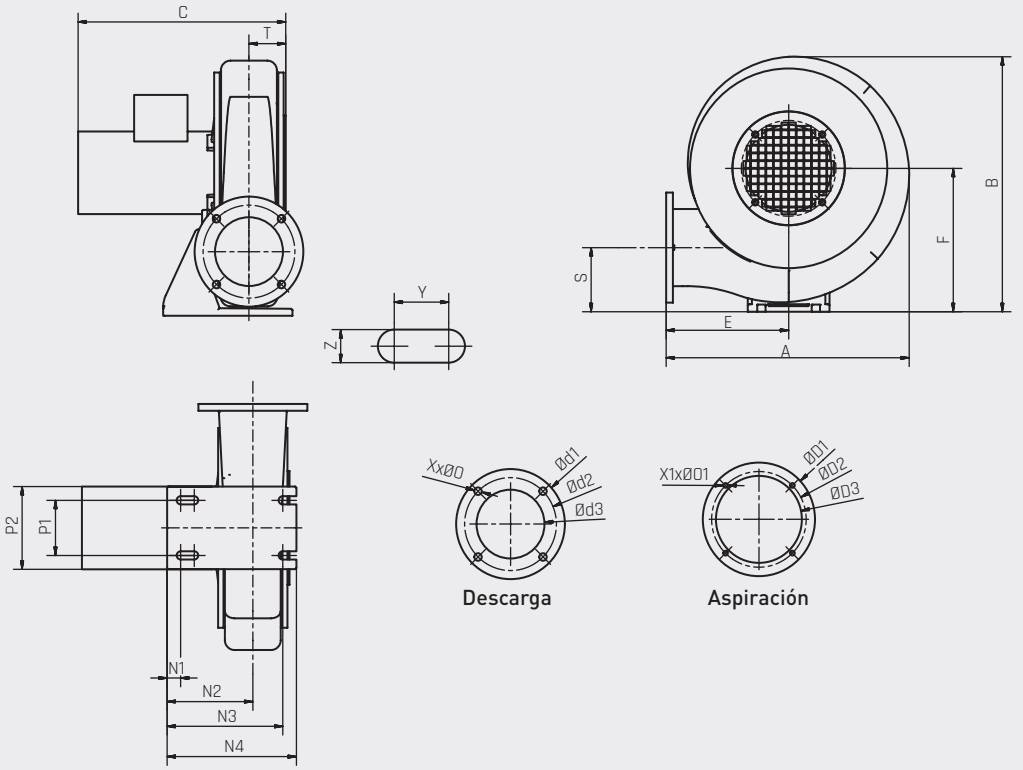



| Tipo | A | B | C* | Ød1 | Ød2 | Ød3 | ØD1 | ØD2 | ØD3 | E | F | N1 | N2 | N3 | N4 | N5 | N6 | Ø0 | Ø01 | P1 | P2 | S | T | Z | X | X1 | Y |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MBA 220 | 570 | 650 | 455 | 230 | 200 | 160 | 200 | 182 | 162 | 270 | 368 | 17,5 | 167,5 | 273,5 | 297 | 349,5 | 380 | 9,5 | M8 | 180 | 230 | 135 | 87 | 13 | 4 | 4 | 13 |
| MBA 300 | 523 | 577 | 420 | 184 | 165 | 125 | 200 | 182 | 140 | 248 | 320 | 17,5 | 167,5 | 273,5 | 297 | 349,5 | 380 | 9,5 | M6 | 180 | 230 | 98 | 72 | 13 | 4 | 8 | 13 |
| MBA 400 | 630 | 705 | 532 | 234 | 200 | 160 | 234 | 200 | 162 | 295 | 400 | 17,5 | 167,5 | 273,5 | 301,5 | 349,5 | 380 | 11,5 | M6 | 180 | 230 | 125 | 88 | 13 | 8 | 8 | 13 |

* La dimensión C depende del motor hidráulico seleccionado

## DIMENSIONES (mm)

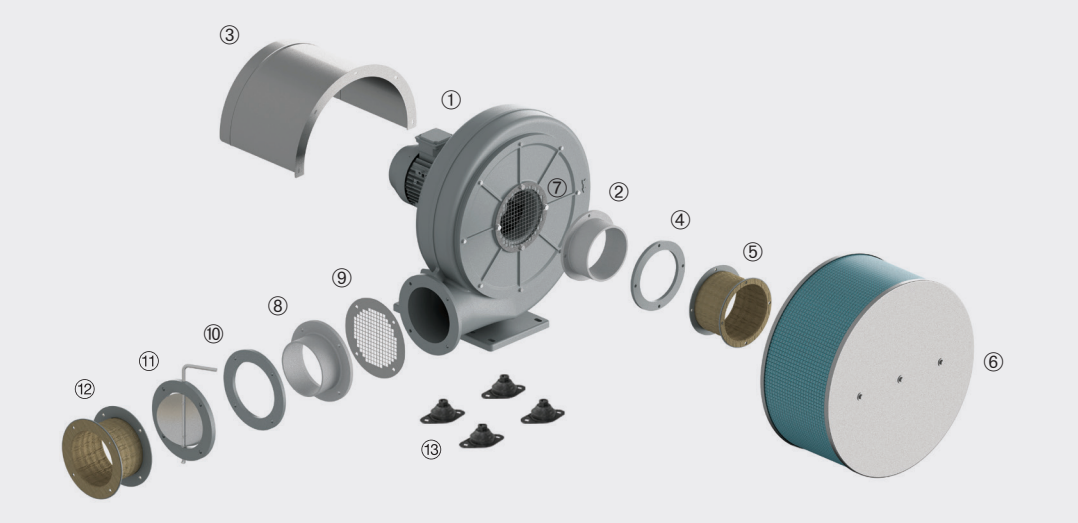
MBA 600




| Tipo | A | B | C* | Ød1 | Ød2 | Ød3 | ØD1 | ØD2 | ØD3 | E | F | N1 | N2 | N3 | N4 | O | ØO1 | ØO2 | P1 | P2 | S | T | X | X1 | X2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MBA 600 | 850 | 920 | 682 | 270 | 240 | 180 | 280 | 260 | 212 | 395 | 500 | 30 | 290 | 320 | 476 | 14 | M8 | 13 | 390 | 430 | 150 | 120 | 4 | 8 | 4 |

* La dimensión C depende del motor utilizado

## ACCESORIOS DE MONTAJE




Aspiración

| ① Tipo | ② Conexión de succión | ③ Cubierta del motor | ④ Collar de soldadura | ⑤ Conector antivibración | ⑥ Filtro | ⑦ Malla protectora |
|---|---|---|---|---|---|---|
| MBA 20 | 45510440-04 | Brak | 45515460 | 42519930 | 25511485-22 | 26510223 |
| MBA 30 | 45510440-04 | 25511591 | 45515460 | 42519930 | 25511485-22 | 26510223 |
| MBA 40 | 46515053 | 25511592 | 25511305 | 42519930-01 | 25511485-24 | 26510223-05 |
| MBA 75 | 46515040 | 25511593 | 45515460 | 42519930 | 25511485 | 26510223 |
| MBA 110 | 46515050 | 25511593 | 45515510 | 42519931 | 25511486-10 | 25511384 |
| MBA 220 | 46515050 | 25511594 | 45515510 | 42519931 | 25511486-12 | 25511693 |
| MBA 300 | 46515050 | 25511595 | 45515510 | 42519932 | 25511486-14 | 25511508 |
| MBA 350 | 46515050 | 25511595 | 45515510 | 42519932 | 25511486-14 | 25511508 |
| MBA 400 | 46515052 | 25511596 | 45516588 | 42519933 | 25511486-16 | 25511528 |
| MBA 600 | 46515051 | 25511597 | 45516586 | 42519934 | 25511486-18 | 25511547 |



Descarga

| ① Tipo | ⑧ Conexión de salida | ⑨ Malla protectora | ⑩ Collar de soldadura | ⑪ Acelerador | ⑫ Conector antivibración | ⑬ Soporte antivibración |
|---|---|---|---|---|---|---|
| MBA 20 | 45510450 | 45510550 | 45515450 | 25511302 | 42519935 | 26040960 |
| MBA 30 | 45510470 | 45510570 | 45516578 | 45510415 | 42519936 | 26040960 |
| MBA 40 | 46515040-01 | 26510224 | 45515500 | 25511314 | 42519937 | 26040960 |
| MBA 75 | 46515040-01 | 26510224 | 45515500 | 25511314 | 42519937 | 26040960 |
| MBA 110 | 46515040-01 | 26510224 | 45515500 | 25511314 | 42519937 | 26040960 |
| MBA 220 | 46515065-01 | 26510173 | 45516587 | 25511348 | 42519939 | 26040965 |
| MBA 300 | 46515060-10 | 25511503 | 45516580 | 25511347 | 42519940 | 26040965 |
| MBA 350 | 46515060-10 | 25511503 | 45516580 | 25511347 | 42519940 | 26040965 |
| MBA 400 | 46515065-01 | 26510173 | 45516587 | 25511348 | 42519941 | 26040965 |
| MBA 600 | 46515065-13 | 26510179 | 45516585 | 25511356 | 42519938 | 26040970 |



# ACCESORIOS ELÉCTRICOS

| Tipo | Regulador de tiristore | | | Regulador de transformador | | Regulador de transformador 2-ajustable | | Regulador de tiristor de 11 velocidades | Inverter | Interruptor de servicio |
|---|---|---|---|---|---|---|---|---|---|---|
| | REB N | REB NE | TLR | RMB | RVS | SC2 | SC2A | IRF | | |
| MBA 30T | - | - | - | - | - | - | - | - | L 0.4kW | R-S 3-F + SP, 10A |
| MBA 40S | REB-2.5 N | REB-2.5 NE | TLR 25 DS | RMB-3.5 | RVS-3 | SC2-1-25L25 | SC2A1-25L25 | IRF-900 | - | R-S 1-F + SP, 16A |
| MBA 40T | - | - | - | - | - | - | - | - | L 0.4kW | R-S 3-F + SP, 10A |
| MBA 75S | REB-5 | | - | RMB-3.5 | RVS-5 | SC2-1-35L25 | SC2A1-35L25 | IRF-900 | - | R-S 1-F + SP, 16A |
| MBA 75T | - | - | - | - | - | - | | | L 0.75kW | R-S 3-F + SP, 10A |
| MBA 110S | REB-5 | | - | RMB-8 | RVS-5 | SC2-1-50L25 | SC2A1-50L25 | - | - | R-S 1-F + SP, 16A |
| MBA 110T | - | - | - | - | - | - | - | - | L 0.75kW | R-S 3-F + SP, 10A |
| MBA 220T | - | - | - | - | - | - | - | - | L 1.5kW | R-S 3-F + SP, 10A |
| MBA 300S | - | - | - | - | - | - | - | - | - | R-S 1-F + SP, 16A |
| MBA 300T | - | - | - | - | - | - | - | - | L 1.5kW | R-S 3-F + SP, 10A |
| MBA 400T | - | - | - | - | - | - | - | - | L 4.0kW | R-S 3-F + SP, 10A |
| MBA 600T | - | - | - | - | - | - | - | - | L 11.0kW | R-S 1-F + SP, 25A |










Número de artículo

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **IRF-900** | 40015154 | **L 4.0kW** | 40016352 | **RMB-8** | 40025080 | **R-S 1-F + SP, 16A** | 91040907-02 | **SC2A1-25L25** | 40025253 |
| **L 0.4kW** | 40016302 | **REB-2.5 N** | 40025030 | **RVS-3** | 40025234 | **R-S 1-F + SP, 25A** | 91040910 | **SC2A1-35L25** | 40025255 |
| **L 0.75kW** | 40016312 | **REB-2.5 NE** | 40025040 | **RVS-5** | 40025235 | **SC2-1-25L25** | 40025252 | **SC2A1-50L25** | 40025257 |
| **L 1.5kW** | 40016322 | **REB-5** | 40025051 | **R-S 3-F + SP, 10A** | 91040908-01 | **SC2-1-35L25** | 40025254 | | |
| **L 11.0kW** | 40016382 | **RMB-3.5** | 40025070 | **R-S 3-F + SP, 16A** | 91040908 | **SC2-1-50L25** | 40025256 | | |

# MRA

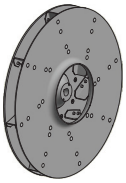
## VENTILADORES CENTRÍFUGOS DE MEDIA PRESIÓN

*ACOPLAMIENTO DIRECTO*




Ventilador diseñado para transportar gases no agresivos ni explosivos sin contaminación. Aplicaciones habituales:
- Transporte neumático.
- Soplado en sistemas de secado (p. ej., maquinaria de artes gráficas y procesamiento de plásticos).
- Sistemas de soplado de aire en sistemas de combustión / tratamiento térmico (p. ej., hornos de fusión).





**Aplicación**

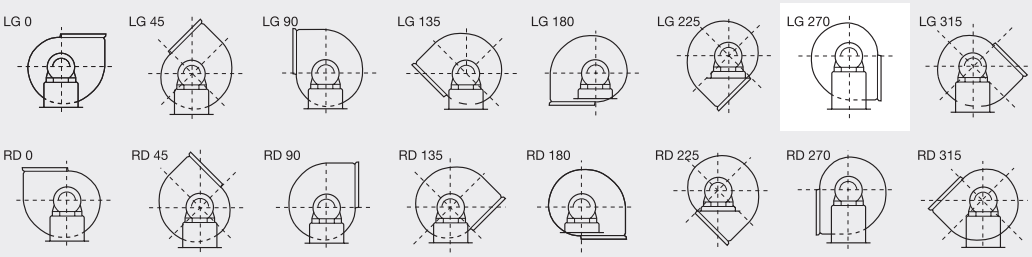
Ventilador diseñado para transportar gases no agresivos y no explosivos sin contaminación. Aplicaciones habituales:
- Transporte neumático.
- Soplado en sistemas de secado (p. ej., maquinaria de artes gráficas y procesamiento de plásticos).
- Sistemas de soplado de aire en sistemas de combustión / tratamiento térmico (p. ej., hornos de fusión).

**Características**
- Ventilador centrífugo de media presión con accionamiento directo.
- Impulsor remachado de chapa de aluminio con álabes curvados hacia adelante, equilibrado dinámicamente según la norma ISO 1940-1.
- Carcasa de aluminio fundido.
- Malla protectora galvanizada en la entrada.
- El modelo 600 está equipado con un soporte de motor.
- Ventilador pintado en gris RAL 7042.
- La temperatura máxima del fluido transportado es de 80 °C.
- Rango de temperatura ambiente de -20 °C a +40 °C.
- Orientación LG270.

**Motor**
- Asíncrono monofásico de 230 V y 50 Hz (potencia de 0,75 a 1,5 kW).
- Asíncrono trifásico, 230 / 400 V y 50 Hz (potencia de 0,75 a 1,5 kW).
- Asíncrono trifásico, 400 / 690 V, 50 Hz (con potencia de 4,0 kW y 11.0 kW).
- Clase de eficiencia IE3 (potencia desde 0,75 kW) o IE1 (0,75 kW, 230 V).
- Grado de protección IP55.
- Clase de aislamiento F.
- Los motores trifásicos están adaptados al convertidor de frecuencia.
- Para regulación de voltaje (motores monofásicos de 1,1 kW).

**Ejecuciones especiales**
- Configuración opcional LG/RD
- Color diferente al estándar.
- Impulsor de chapa de acero galvanizado.
- Impulsor de acero inoxidable 1.4301.
- Impulsor de acero resistente a los ácidos 1.4404.
- Motor con voltaje y frecuencia de potencia diferentes a los estándar.
- Motor con grado de protección diferente al estándar.
- Motor equipado con sensores o refrigeración adicional.
- Sellado entre la carcasa y el motor.
- Temperatura máxima del fluido transportado superior a 80 °C.
- Temperatura ambiente

## ORIENTACIONES




Orientación estándar: LG 270. El resto de las orientaciones se fabrican bajo demanda.

## CARACTERÍSTICAS TÉCNICAS

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación

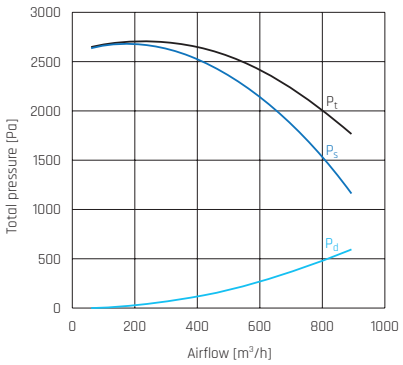
| Tipo | Caudal máximo ($m^3/h$) | Pressure max (Pa) | Potencia máxima absorbida (kW) | Velocidad (r.p.m.) | Intensidad máxima absorbida (A) | Voltaje (V) | Capacitor (µF) | Nivel presión sonora (dB(A))* | Peso (kg) | ErP |
|---|---|---|---|---|---|---|---|---|---|---|
| MRA 200T | 890 | 2750 | 0,75 | 2890 | 2,95 / 1,70 | 230/400 | - | 80 | 24 | 436510330 |
| MRA 200S | 890 | 2750 | 0,75 | 2880 | 5 | 230 | 25 | 80 | 24 | 46510332 |
| MRA 260T | 1550 | 2680 | 1,1 | 2890 | 3,8 / 2,5 | 230/400 | - | 78 | 36 | 436510335 |
| MRA 260S | 1150 | 2730 | 1,1 | 2900 | 5,8 | 230 | 70 | 78 | 36 | 436510338 |
| MRA 300T | 1290 | 3560 | 1,5 | 2880 | 5,25/3,00 | 230/400 | - | 90 | 36 | 436510340 |
| MRA 300S | 1560 | 3490 | 1,5 | 2740 | 9,1 | 230 | 40 | 79 | 35 | 46510345 |
| MRA 400T | 2890 | 4320 | 4 | 2895 | 7,3 / 4,2 | 400/690 | - | 88 | 65 | 436510360 |
| MRA 600T | 6080 | 6780 | 11 | 2900 | 19,1/11,1 | 400/690 | - | 96 | 163 | 436510374 |

* Presión sonora medida a una distancia de 1,5 m del ventilador en q=2/3*Qmax

## CURVAS CARACTERÍSTICAS

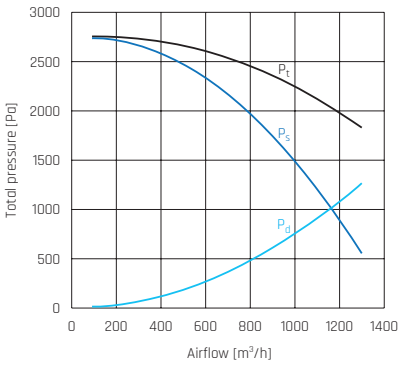
- $p_t$: Presión total
- $p_s$: Presión estática
- $p_d$: Presión dinámica

### MRA 200



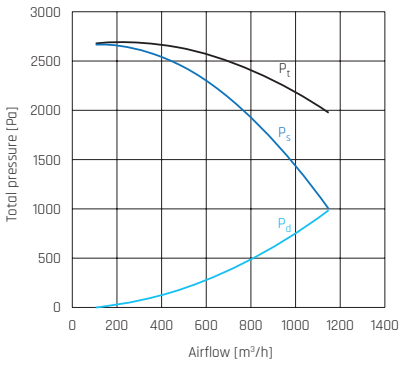

| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| B | Total | No | 1 | 52,2 | 59,3 | 0,74 | 576 | 2429 | 2890 |

### MRA 260T



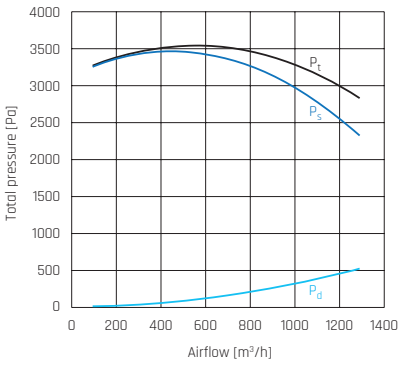

| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| B | Total | No | 1 | 55,9 | 62,2 | 1,02 | 874 | 2369 | 2939 |

### MRA 260S



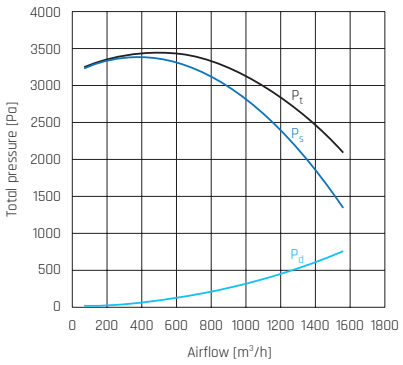

| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| B | Total | No | 1 | 51,6 | 57,7 | 1,12 | 906 | 2287 | 2900 |

### MRA 300T



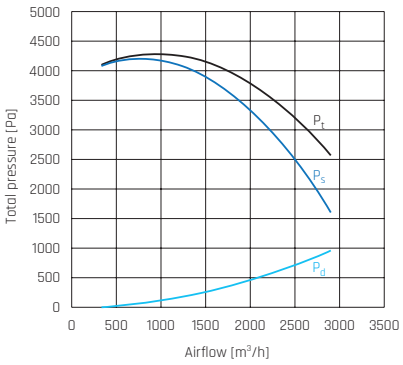

| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| B | Total | No | 1 | 57,5 | 59 | 1,42 | 863 | 3409 | 2900 |

### MRA 300S




| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| B | Total | No | 1 | 48,8 | 53,3 | 1,93 | 1221 | 2778 | 2880 |

### MRA 400T



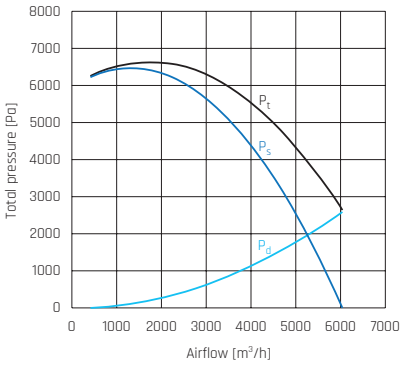

| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| B | Total | No | 1 | 58,7 | 61,9 | 3,17 | 1688 | 4022 | 2892 |

**MC** Categoría de medición
**EC** Categoría de eficiencia
**VSD** Mando de regulación de velocidad: debe suministrarse con el ventilador
**SR** Relación específica
**η[%]** Eficiencia
**N** Grado de eficiencia
**[kW]** Potencia absorbida
**[m³/h]** Caudal
**[Pa]** Presión estática
**[RPM]** Velocidad

## CURVAS CARACTERÍSTICAS

- $p_t$: Presión total
- $p_s$: Presión estática
- $p_d$: Presión dinámica

MRA 600T

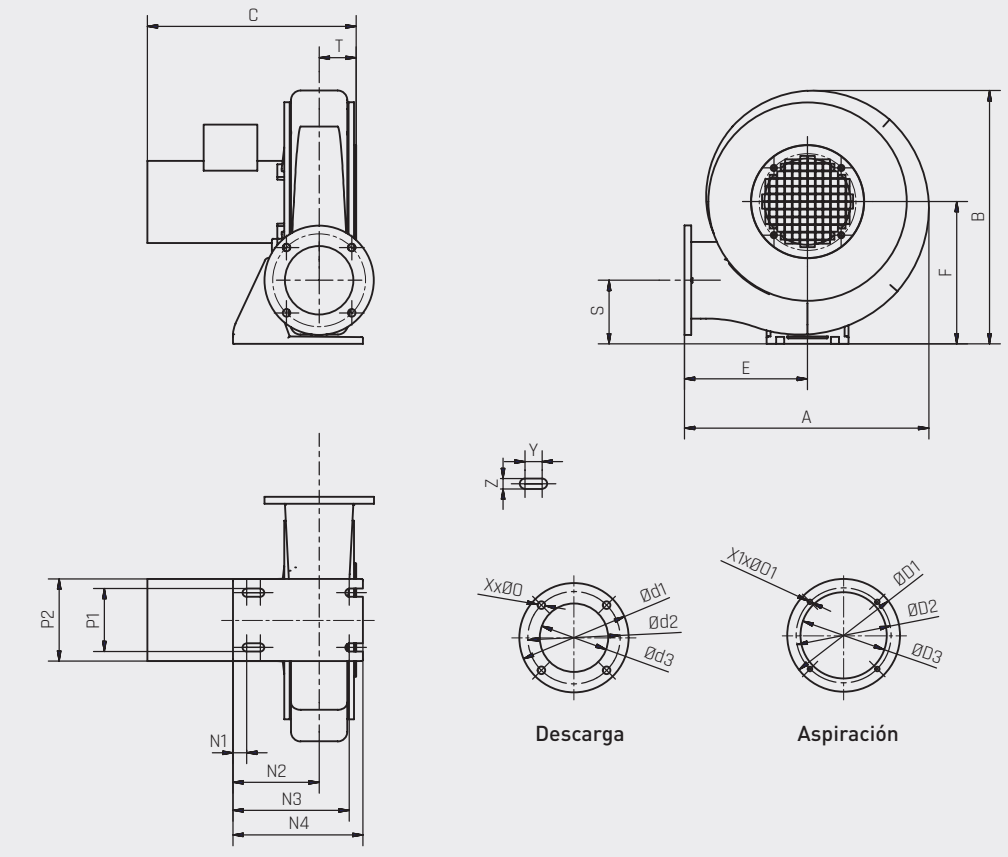



| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| B | Total | No | 1 | 44,9 | 51 | 1,07 | 3311 | 525 | 980 |

| | |
|---|---|
| **MC** | Categoría de medición |
| **EC** | Categoría de eficiencia |
| **VSD** | Mando de regulación de velocidad: debe suministrarse con el ventilador |
| **SR** | Relación específica |
| **η[%]** | Eficiencia |
| **N** | Grado de eficiencia |
| **[kW]** | Potencia absorbida |
| **[m³/h]** | Caudal |
| **[Pa]** | Presión estática |
| **[RPM]** | Velocidad |

## DIMENSIONES (mm)

MRA 200 - 260

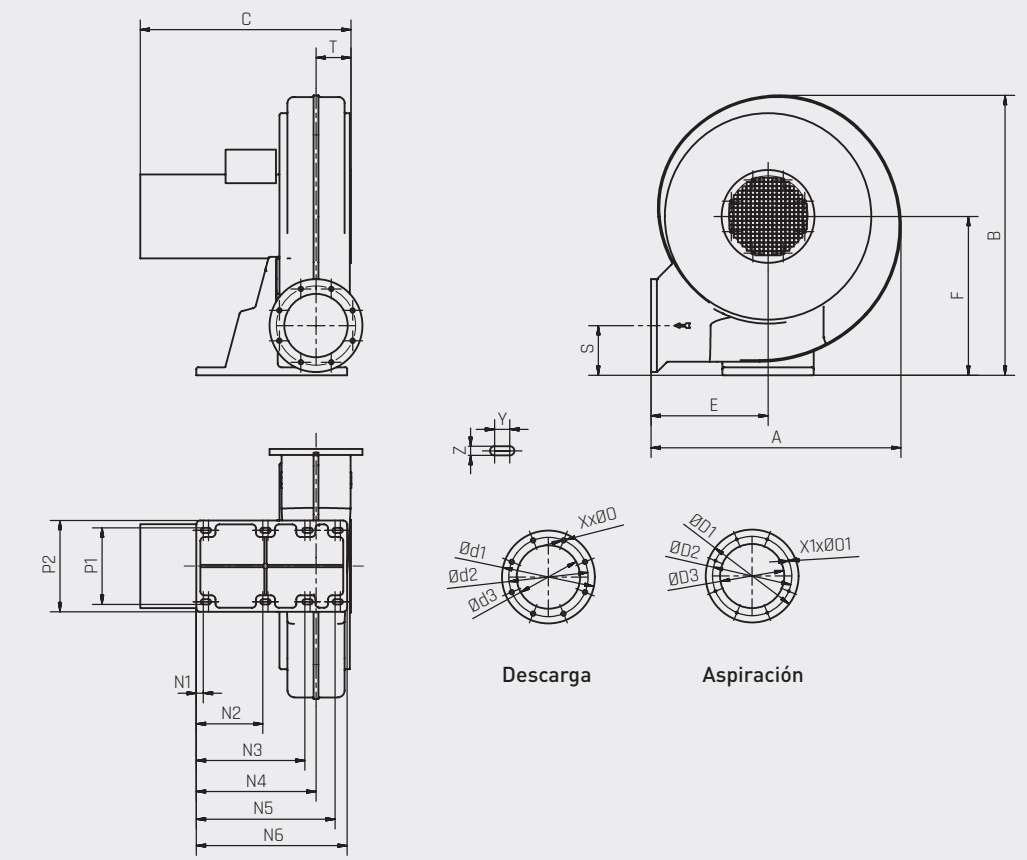



| Tipo | A | B | C* | Ød1 | Ød2 | Ød3 | ØD1 | ØD2 | ØD3 | E | F | N1 | N2 | N3 | N4 | Ø0 | Ø01 | P1 | P2 | S | T | Z | X | X1 | Y |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MRA 200 | 451 | 515 | 360 | 165 | 139 | 100 | 165 | 139 | 106 | 210 | 290 | 46,5 | 156 | 215 | 240 | 9,5 | 6,6 | 140 | 200 | 91 | 59 | 13 | 4 | 4 | 17 |
| MRA 260 | 451 | 515 | 365 | 165 | 139 | 100 | 200 | 182 | 138 | 210 | 290 | 46,5 | 156 | 215 | 240 | 9,5 | 6,6 | 140 | 200 | 91 | 59 | 13 | 4 | 4 | 17 |

* La dimensión C depende del motor utilizado

## DIMENSIONES (mm)

MRA 220 - 400

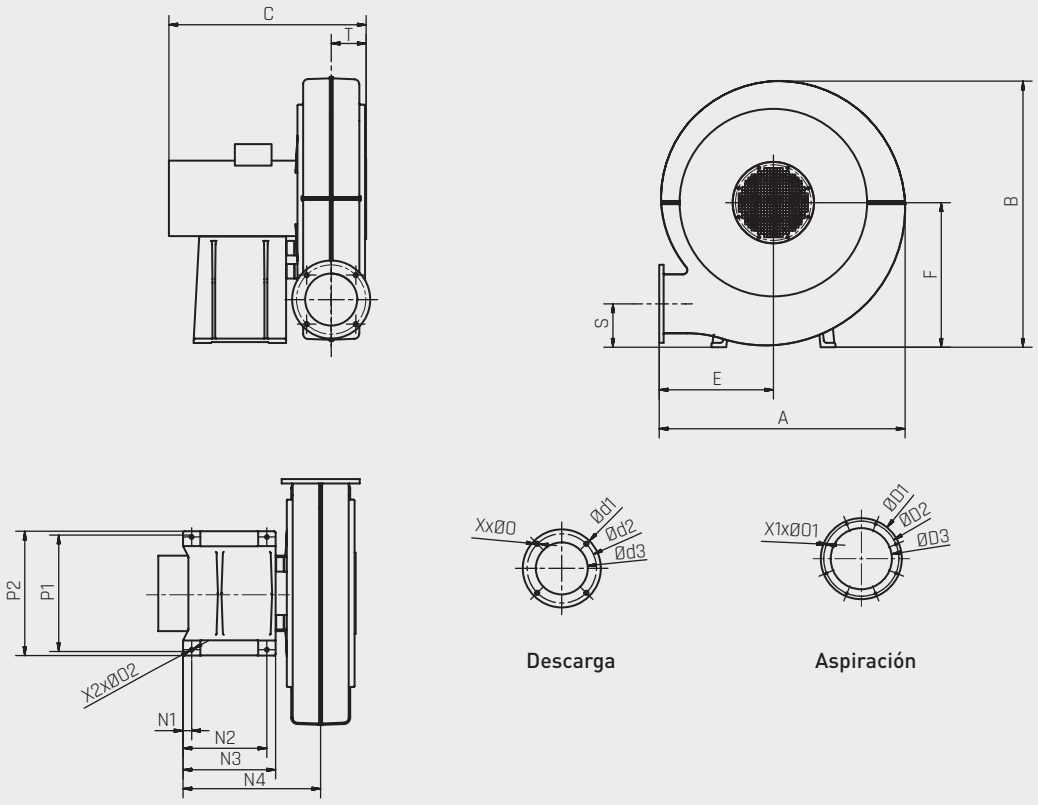



| Tipo | A | B | C* | Ød1 | Ød2 | Ød3 | ØD1 | ØD2 | ØD3 | E | F | N1 | N2 | N3 | N4 | N5 | N6 | Ø0 | Ø01 | P1 | P2 | S | T | Z | X | X1 | Y |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MRA 300 | 523 | 577 | 421 | 191 | 165 | 125 | 200 | 182 | 140 | 248 | 320 | 17,5 | 167,5 | 273,5 | 297 | 349,5 | 380 | 9,5 | M6 | 180 | 230 | 98 | 72 | 13 | 4 | 8 | 13 |
| MRA 400 | 630 | 705 | 532 | 234 | 200 | 160 | 234 | 200 | 162 | 295 | 400 | 17,5 | 167,5 | 273,5 | 301,5 | 349,5 | 380 | 11,5 | M6 | 180 | 230 | 125 | 88 | 13 | 8 | 8 | 13 |

* La dimensión C depende del motor utilizado

## DIMENSIONES (mm)

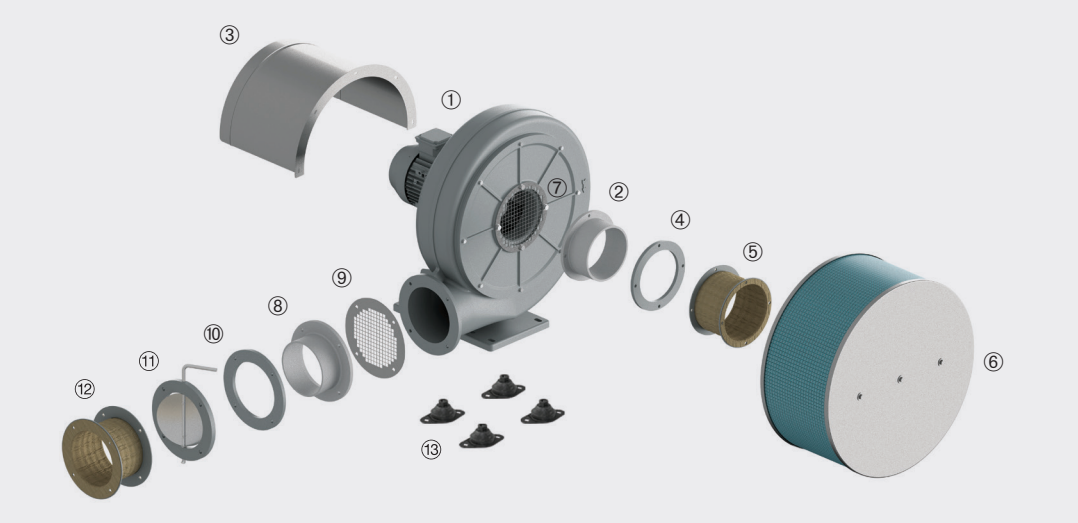
MRA 600




| Tipo | A | B | C* | Ød1 | Ød2 | Ød3 | ØD1 | ØD2 | ØD3 | E | F | N1 | N2 | N3 | N4 | Ø0 | Ø01 | Ø02 | P1 | P2 | S | T | X | X1 | X2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MRA 600 | 850 | 920 | 678 | 270 | 240 | 180 | 280 | 260 | 187 | 395 | 500 | 30 | 290 | 320 | 476 | 14 | M8 | 13 | 390 | 430 | 150 | 120 | 4 | 8 | 4 |

* La dimensión C depende del motor utilizado

## ACCESORIOS DE MONTAJE




Aspiración

| ① Tipo | ② Conexión de succión | ③ Cubierta del motor | ④ Collar de soldadura | ⑤ Conector antivibración | ⑥ Filtro | ⑦ Malla protectora |
|---|---|---|---|---|---|---|
| MRA 200 | 46515040 | 25511593 | 45515440 | 42519930 | 25511485 | 26510223 |
| MRA 260 | 46515050 | 25511593 | 45515510 | 42519932 | 25511486-10 | 25511384 |
| MRA 300 | 46515050 | 25511595 | 45515510 | 42519932 | 25511486-14 | 25511508 |
| MRA 400 | 46515052 | 25511596 | 45516588 | 42519933 | 25511486-16 | 25511528 |
| MRA 600 | 46515051 | 25511597 | 45516586 | 42519934 | 25511486-18 | 25511547 |



Descarga

| ① Tipo | ⑧ Conexión de salida | ⑨ Malla protectora | ⑩ Collar de soldadura | ⑪ Acelerador | ⑫ Conector antivibración | ⑬ Soporte antivibración |
|---|---|---|---|---|---|---|
| MRA 200 | 46515040-01 | 26510224 | 45515500 | 25511314 | 42519937 | 26040960 |
| MRA 260 | 46515040-01 | 26510224 | 45515500 | 25511314 | 42519937 | 26040960 |
| MRA 300 | 46515060-10 | 25511503 | 45516580 | 25511347 | 42519940 | 26040965 |
| MRA 400 | 46515065-01 | 26510173 | 45516587 | 25511348 | 42519941 | 26040965 |
| MRA 600 | 46515065-13 | 26510179 | 45516585 | 25511356 | 42519938 | 26040970 |



## ACCESORIOS ELÉCTRICOS

| Tipo | Regulador de tiristore | Regulador de transformador | | Regulador de transformador 2-ajustable | Inverter | Interruptor de servicio |
|---|---|---|---|---|---|---|
| | | RMB | RVS | SC2A | | |
| MRA 30T | - | - | - | - | L 0.4kW | R-S 3-F + SP, 10A |
| MRA 40S | REB-2.5 N | RMB-3.5 | RVS-3 | SC2A1-25L25 | - | R-S 1-F + SP, 16A |
| MRA 40T | - | - | - | - | L 0.4kW | R-S 3-F + SP, 10A |
| MRA 75S | REB-5 | RMB-3.5 | RVS-5 | SC2A1-35L25 | - | R-S 1-F + SP, 16A |
| MRA 75T | - | - | - | | L 0.75kW | R-S 3-F + SP, 10A |
| MRA 110S | REB-5 | RMB-8 | RVS-5 | SC2A1-50L25 | - | R-S 1-F + SP, 16A |
| MRA 110T | - | - | - | - | L 0.75kW | R-S 3-F + SP, 10A |
| MRA 220T | - | - | - | - | L 1.5kW | R-S 3-F + SP, 10A |
| MRA 300S | - | - | - | - | - | R-S 1-F + SP, 16A |
| MRA 300T | - | - | - | - | L 1.5kW | R-S 3-F + SP, 10A |
| MRA 400T | - | - | - | - | L 4.0kW | R-S 3-F + SP, 10A |
| MRA 600T | - | - | - | - | L 11.0kW | R-S 1-F + SP, 25A |








# MTA

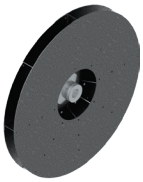
## VENTILADORES CENTRÍFUGOS DE MEDIA PRESIÓN

*ACOPLAMIENTO DIRECTO*

Los ventiladores centrífugos MTA están diseñados para transportar aire cargado de polvo. Las aplicaciones habituales son:

- Para transportar aire en procesos tecnológicos.
- Sistemas de ventilación.
- Sistemas de refrigeración y climatización.
- Secadores, extracción local y extracción de gases de combustión.





**Características**

- Ventilador centrífugo de accionamiento directo para media presión.
- Impulsor de chapa de aluminio con álabes rectos, equilibrado dinámicamente según la norma ISO 1940-1.
- Carcasa de aluminio fundido.
- Campana de entrada galvanizada.
- Ventilador pintado en gris RAL 7042.
- Temperatura máxima de salida: 80 °C.
- Temperatura ambiente del motor de -20 °C a +40 °C.
- Modelo LG270.

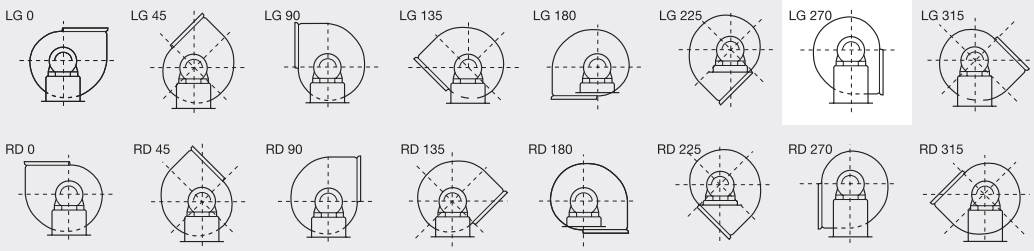
**Motor**

- Asíncrono trifásico, 230 / 400 V, 50 Hz (de 0,75 a 1,5 kW).
- Clase de eficiencia IE3 (a partir de 0,75 kW) o IE1 (a partir de 0,37 kW)
- Clase de protección IP55.
- Clase de aislamiento F.
- Para control de frecuencia (motores trifásicos).

**Ejecuciones especiales**

- Cualquier orientación LG/RD.
- Pintado en un color diferente al estándar.
- Impulsor de chapa de acero galvanizado.
- Impulsor de chapa de acero inoxidable 1.4301.
- Impulsor de acero inoxidable 1.4404.
- Motor con voltaje y frecuencia de red no estándar.
- Motor con clase de protección IP diferente.
- Motor con sensores o refrigeración adicional.
- Sellado entre la carcasa y el motor (Simmerring).
- Temperatura máxima del fluido bombeado superior a 80 °C.
- Temperatura ambiente del motor inferior a -20 °C y superior a +40 °C.

## ORIENTACIONES




Orientación estándar: LG 270. El resto de las orientaciones se fabrican bajo demanda.

## CARACTERÍSTICAS TÉCNICAS

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación

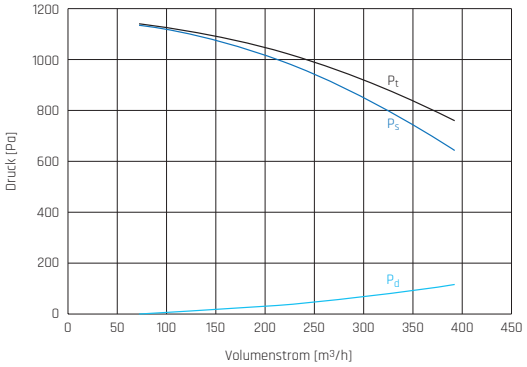
| Tipo | Caudal máximo ($m^3/h$) | Pressure max (Pa) | Potencia máxima absorbida (kW) | Velocidad (r.p.m.) | Intensidad máxima absorbida (A) | Voltaje (V) | Nivel presión sonora (dB(A))* | Peso (kg) | ErP |
|---|---|---|---|---|---|---|---|---|---|
| MTA 30T | 390 | 1130 | 0,37 | 2800 | 1,75/1,0 | 220-240/380-420 | 79 | 13,2 | - |
| MTA 75T | 490 | 2330 | 0,75 | 2890 | 2,95/1,7 | 230/400 | 82 | 25 | - |
| MTA 110T | 840 | 2500 | 1,1 | 2890 | 4,3/2,5 | 230/400 | 85 | 26 | 2015 |
| MTA 300T | 2240 | 3680 | 3 | 2870 | 11/6,3 | 230/400 | 90 | 41 | 2015 |
| MTA 310T | 2320 | 3550 | 3 | 2870 | 11/6,3 | 230/400 | 95 | 50 | 2015 |

* Presión sonora medida a una distancia de 1,5 m del ventilador en q=2/3*Qmax

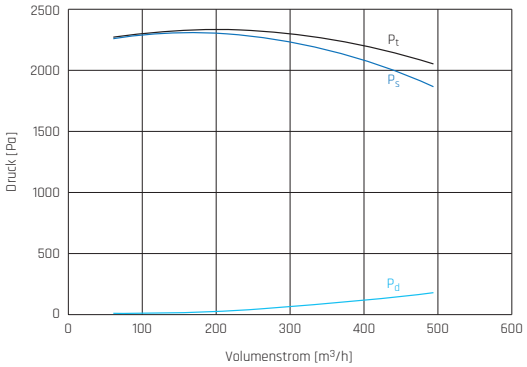
## CURVAS CARACTERÍSTICAS

- $p_t$: Presión total
- $p_s$: Presión estática
- $p_d$: Presión dinámica

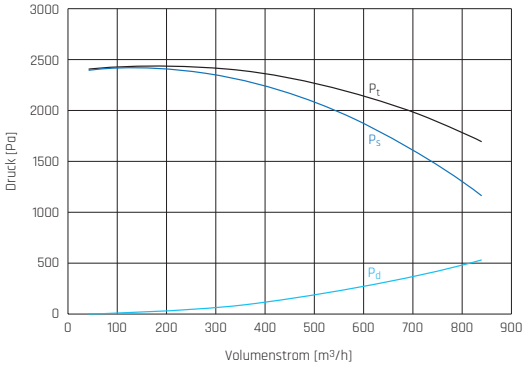
MTA 30T



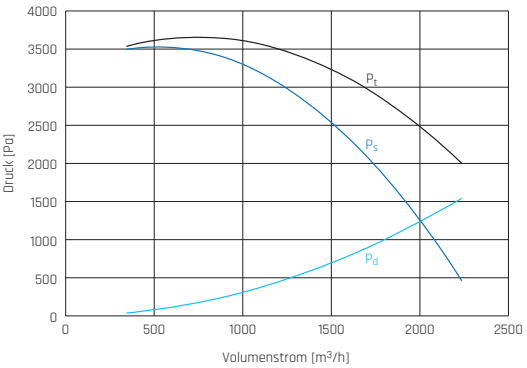

MTA 75T




MTA 110T




MTA 300T



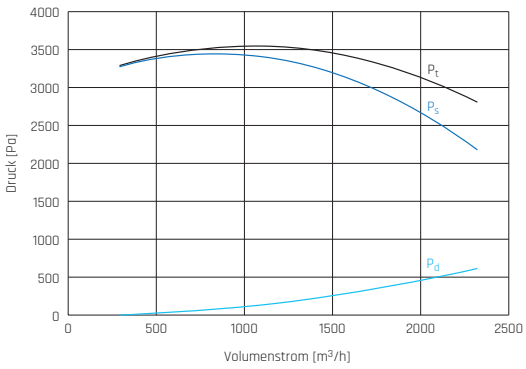

| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| B | Total | Nie | 1 | 42,1 | 49 | 0,81 | 589 | 2115 | 2900 |

| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| B | Total | Nie | 1 | 51,3 | 55,2 | 2,5 | 1382 | 3374 | 2880 |

## CURVAS CARACTERÍSTICAS

- $p_t$: Presión total
- $p_s$: Presión estática
- $p_d$: Presión dinámica

MTA 310T

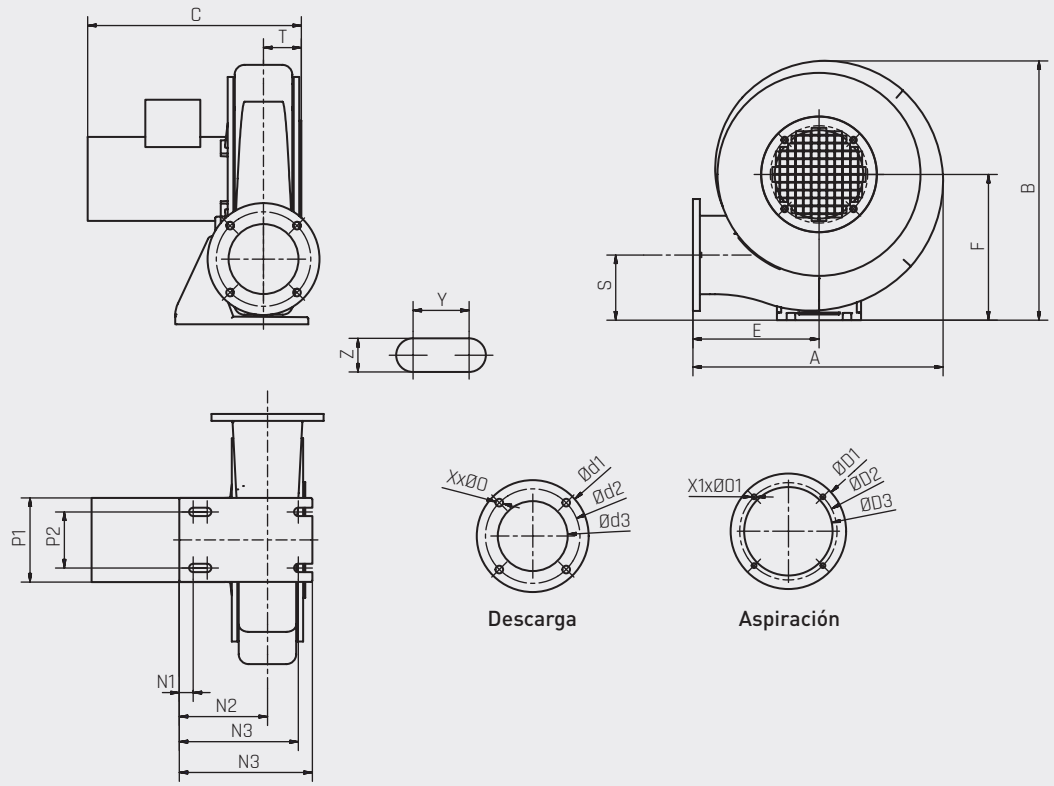



| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| B | Total | Nie | 1 | 57 | 60,7 | 2,62 | 1612 | 3372 | 2880 |

| | |
|---|---|
| **MC** | Categoría de medición |
| **EC** | Categoría de eficiencia |
| **VSD** | Mando de regulación de velocidad: debe suministrarse con el ventilador |
| **SR** | Relación específica |
| **η[%]** | Eficiencia |
| **N** | Grado de eficiencia |
| **[kW]** | Potencia absorbida |
| **[m³/h]** | Caudal |
| **[Pa]** | Presión estática |
| **[RPM]** | Velocidad |

## DIMENSIONES (mm)

MTA 30 - 110

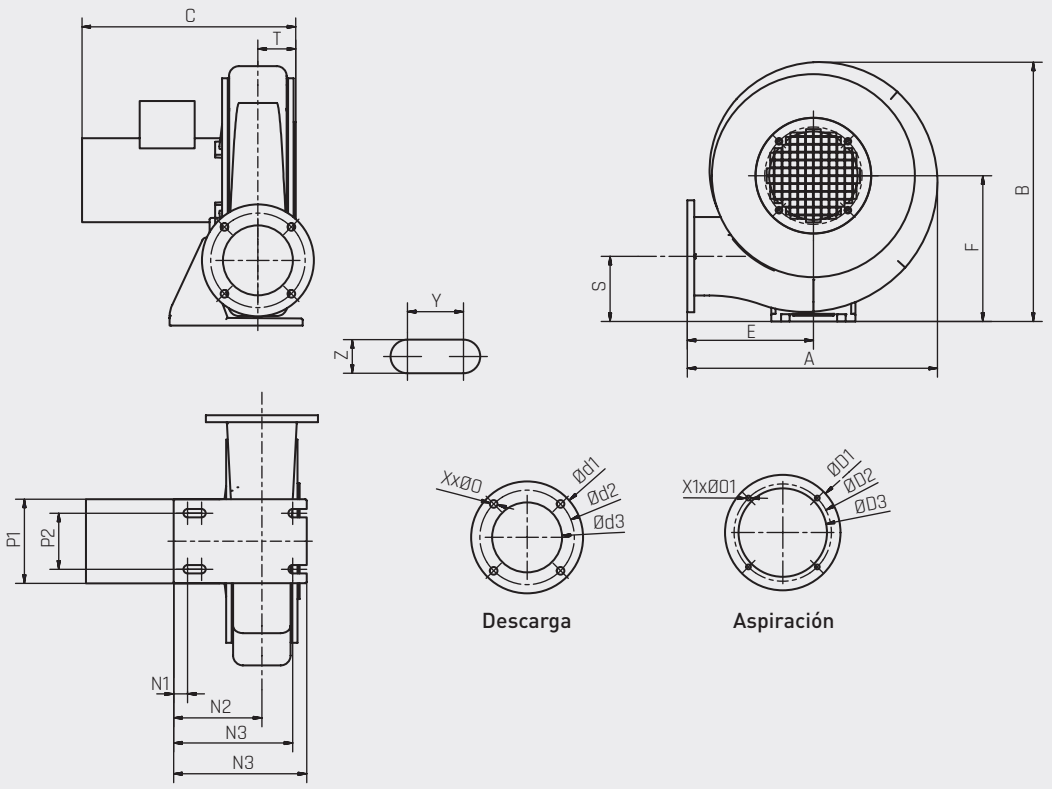



| Tipo | A | B | C* | Ød1 | Ød2 | Ød3 | ØD1 | ØD2 | ØD3 | E | F | N1 | N2 | N3 | N4 | Ø0 | Ø01 | P1 | P2 | S | T | Z | X | X1 | Y |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MTA 30** | 357 | 356 | 309 | 160 | 135 | 100 | 165 | 139 | 106 | 181 | 193 | 20 | 126 | 170 | 190 | 11 | 6,6 | 80 | 120 | 83 | 54 | 12 | 4 | 4 | 20 |
| **MTA 75** | 450 | 481 | 329 | 165 | 139 | 100 | 163 | 139 | 110 | 210 | 257 | 47 | 156 | 216 | 240 | 9,5 | 6,6 | 140 | 200 | 91 | 59 | 13 | 4 | 4 | 17 |
| **MTA 110** | 450 | 481 | 353 | 165 | 139 | 100 | 200 | 182 | 138 | 210 | 257 | 47 | 156 | 216 | 240 | 9,5 | 6,6 | 147 | 200 | 91 | 59 | 13 | 4 | 4 | 17 |

* La dimensión C depende del motor utilizado

## DIMENSIONES (mm)

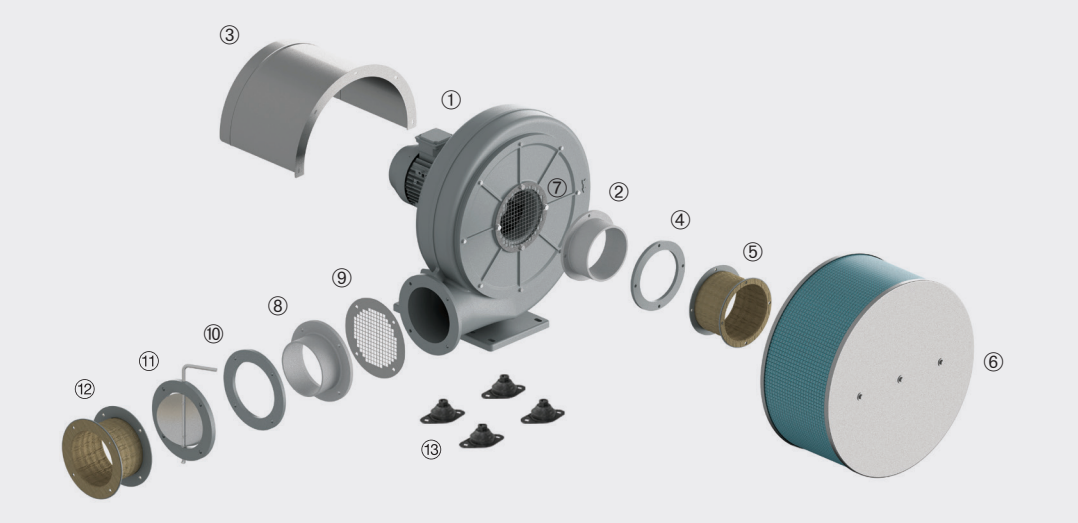
MTA 300 - 310




| Tipo | A | B | C* | Ød1 | Ød2 | Ød3 | ØD1 | ØD2 | ØD3 | E | F | N1 | N2 | N3 | N4 | N5 | N6 | Ø0 | Ø01 | P1 | P2 | S | T | Z | X | X1 | Y |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MTA 300 | 523 | 553 | 435 | 191 | 165 | 125 | 200 | 182 | 139 | 248 | 295 | 17,5 | 167,5 | 273,5 | 293,5 | 349,5 | 380 | 9,5 | 4,9 | 180 | 230 | 102 | 73 | 13 | 4 | 8 | 13 |
| MTA 310 | 570 | 602 | 429 | 230 | 200 | 160 | 234 | 200 | 160 | 270 | 322 | 17,5 | 167,5 | 273,5 | 297 | 349,5 | 380 | 9,5 | 4,9 | 180 | 230 | 135 | 86 | 13 | 4 | 8 | 13 |

* La dimensión C depende del motor utilizado

## ACCESORIOS DE MONTAJE




Aspiración

| ① Tipo | ② Conexión de succión | ③ Cubierta del motor | ④ Collar de soldadura | ⑤ Conector antivibración | ⑥ Filtro | ⑦ Malla protectora |
|---|---|---|---|---|---|---|
| MTA 30 | 45510440 | 25511591 | 45515460 | 42519930 | 25511485-22 | 26510223 |
| MTA 75 | 45510440 | 25511593 | 45515460 | 42519930 | 25511485 | 26510223 |
| MTA 110 | 46515050 | 25511593 | 45515510 | 42519932 | 25511486-12 | 25511384 |
| MTA 300 | 46515050 | 25511595 | 45515510 | 42519932 | 25511486-14 | 25511508 |
| MTA 310T | 46515052 | 25511595 | 45516588 | 42519933 | 25511486-16 | 25511528 |



Descarga

| ① Tipo | ⑧ Conexión de salida | ⑨ Malla protectora | ⑩ Collar de soldadura | ⑪ Acelerador | ⑫ Conector antivi-bración | ⑬ Soporte antivibración |
|---|---|---|---|---|---|---|
| MTA 30 | 45510470 | 45510570 | 45516578 | 45510415 | 42519936 | 26040960 |
| MTA 75 | 46515040-01 | 26510224 | 45515500 | 25511314 | 42519937 | 26040960 |
| MTA 110 | 46515040-01 | 26510224 | 45515500 | 25511314 | 42519937 | 26040960 |
| MTA 300 | 46515060-10 | 25511503 | 45516580 | 25511347 | 42519940 | 26040965 |
| MTA 310T | 46515065-01 | 26510173 | 45516587 | 25511348 | 42519941 | 26040965 |



## ACCESORIOS ELÉCTRICOS

| Tipo | Inverter | Número de artículo |
|---|---|---|
| MTA 30T | L 0.4kW | 40016302 |
| MTA 75T | L 0.75kW | 40016312 |
| MTA 110T | L 1.5kW | 40016322 |
| MTA 300T | L 4.0kW | 40016352 |
| MTA 310T | L 4.0kW | 40016352 |



# CBT-N

## VENTILADORES CENTRÍFUGOS DE MEDIA PRESIÓN

*ACOPLAMIENTO DIRECTO*





Configuración constructiva modelos CBT-40, 60N, 80N, 100N y 130N

Ventiladores centrífugos de media presión, de simple aspiración, capacitados para trasegar aire hasta 120ºC [1] en continuo, fabricados en fundición de aluminio, protegidos contra la corrosión con pintura epoxy, voluta orientable, rodete de álabes radiales equilibrado dinámicamente, motor IP55 [2], Clase F, y rodamientos a bolas de engrase permanente.

(1) Modelos CSB: hasta 70ºC
(2) Modelos CSB y CBT-40: IP44, Clase B, con protector térmico incorporado.

**Motores**
Clase IE3.
De 2 polos.
Tensión de alimentación
Monofásicos 230V-50Hz
Trifásicos 230/400V-50Hz o 400V-50Hz
(Ver cuadro de características).

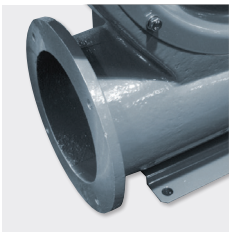
**Otros datos**
- Los motores pueden situarse a derecha o izquierda.
- Voluta orientable, por el propio usuario, para obtener 14 combinaciones distintas [3].
- Orientación estándar: LG 270.

(3) Los modelos CSB y CST sólo pueden suministrarse en la posición LG270.

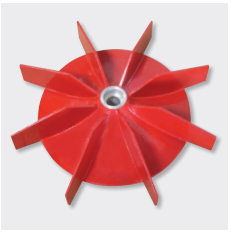
**Bajo demanda**
Motores de 2 velocidades.

**Versiones ATEX**
Bajo pedido, versiones antiexplosivas según la Directiva ATEX para modelos trifásicos:
Para trabajar a temperaturas de -20ºC a +40ºC.
- ATEX AntideFlagrantes - Gas:
  Excepto modelos CBT-40 y CST-60.
  Ⓔx II 2G Ex d IIB T4
  Ⓔx II 2G Ex d IIB+H2 T4 (con motor Ex d IIC T4)
  En versión ATEX estándar, los motores antideflagrantes se entregan sin protección térmica. Para utilizar con convertidor de frecuencia pedir motores antideflagrantes con protector térmico tipo PTC.
- ATEX Seguridad aumentada - Gas:
  Ⓔx II 2G Ex e II T3
- ATEX - Polvo
  Particulas en suspension inflamables y polvo no conductor:
  Ⓔx II 3D Ex tc IIIB T125ºC
  Polvo conductor:
  Ⓔx II 3D Ex tc IIIC T125ºC (con motor IP65)
  En versión ATEX estándar, los motores ATEX para polvo se entregan sin protección térmica.
  Para utilizar con convertidor de frecuencia pedir motores ATEX para polvo con protector térmico tipo PTC.

Para seleccionar modelos CBT-N ATEX, ver el programa de selección de producto EasyVent.

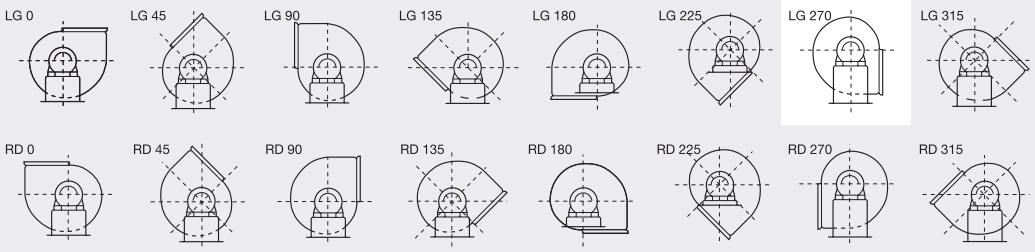


**Voluta de gran robustez**
De aluminio fundido en una sola pieza.



**Rodete equilibrado dinámicamente**
Rodete de álabes radiales, equilibrado dinámicamente, según norma ISO 1940, para reducir el ruido y evitar vibraciones.

## ORIENTACIONES




Orientación estándar: LG 270. El resto de las orientaciones se fabrican bajo demanda.

## CARACTERÍSTICAS TÉCNICAS

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación

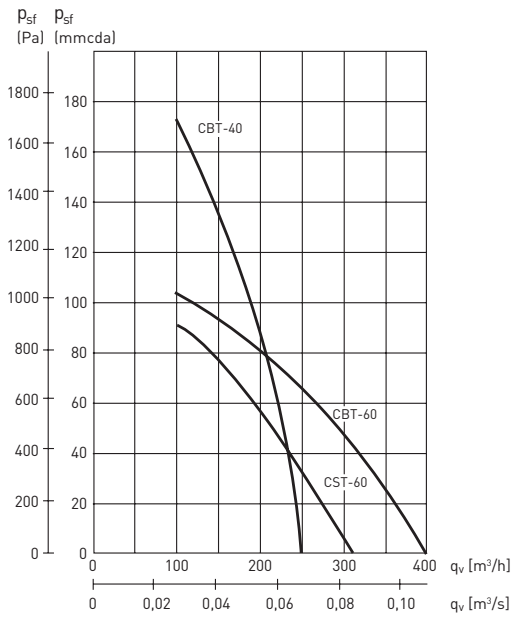
| Modelo | Velocidad (r.p.m.) | Diámetro boca de descarga (mm) | Potencia motor (kW) | Motor clase | Protección | Temp. máxima (aire trasegado) (ºC) | Intensidad máxima absorbida (A) | | Caudal máximo ($m^3/h$) | Nivel presión sonora (dB(A)** | Peso (kg) | Versión ATEX (Sí / No) | Convertidor de frecuencia opcional | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 230 V | 400 V | | | | | VFTM*** | VFKB*** |
| MONOFÁSICOS | | | | | | | | | | | | | | |
| CSB-60 | 2750 | 60 | 0,20* | B | IP44 | 70 | 1,2 | – | 310 | 69 | 7 | – | – | – |
| CBB-60N | 2800 | 60 | 0,18 | F | IP55 | 120 | 1,18 | – | 400 | 69 | 10 | – | – | – |
| CBB-80N | 2800 | 80 | 0,37 | F | IP55 | 120 | 2,2 | – | 730 | 71 | 13 | – | – | – |
| CBB-100N | 2800 | 100 | 0,75 | F | IP55 | 120 | 3,9 | – | 1.250 | 78 | 18 | – | – | – |
| TRIFÁSICOS | | | | | | | | | | | | | | |
| CBT-40 | 2800 | 40 | 0,25* | B | IP44 | 120 | 0,75 | 0,43 | 250 | 78 | 10 | No | – | – |
| CST-60 | 2750 | 60 | 0,18* | B | IP44 | 120 | 0,67 | 0,39 | 310 | 69 | 6 | No | – | – |
| CBT-60N | 2800 | 60 | 0,18 | F | IP55 | 120 | 1,09 | 0,63 | 400 | 69 | 10 | Sí | VFTM TRI 0,37 | VFKB 45 |
| CBT-80N | 2800 | 80 | 0,37 | F | IP55 | 120 | 2,1 | 1,21 | 730 | 71 | 14 | Sí | VFTM TRI 0,37 | VFKB 45 |
| CBT-100N | 2800 | 100 | 0,75 | F | IP55 | 120 | 2,9 | 1,7 | 1.250 | 78 | 19 | Sí | VFTM TRI 0,75 | VFKB 45 |
| CBT-130N | 2800 | 130 | 1,1 | F | IP55 | 120 | 4,3 | 2,5 | 1.910 | 80 | 27 | Sí | VFTM TRI 1,1 | VFKB 45 |

* Potencia absorbida
** Presión sonora en dB(A) a la aspiración, en campo libre, a 1,5 m
*** Alimentación VSD: Trifásico 400V

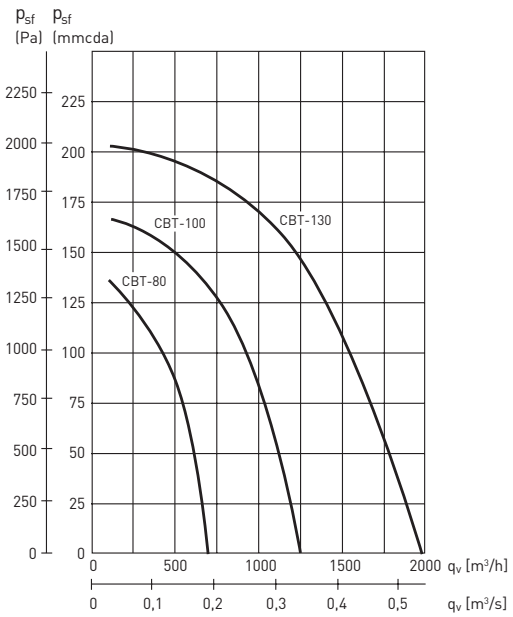
## CURVAS CARACTERÍSTICAS

- $q_v$: Caudal en $m^3/h$ y $m^3/s$
- $p_{sf}$: Presión estática en mmcda y Pa
- Aire seco normal a 20°C y 760 mmHg
- Ensayos realizados de acuerdo a Norma ISO 5801 y AMCA 210-99

**CBT-40 – CST/CSB-60**
**CBT/CBB-60N**

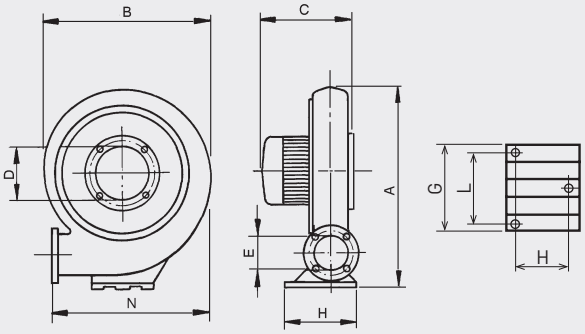



**CBT/CBB-80N – CBT/CBB-100N**
**CBT-130N**

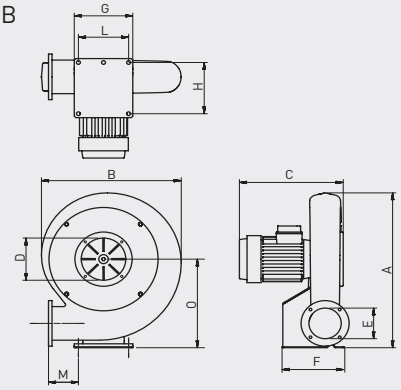



## DIMENSIONES (mm)

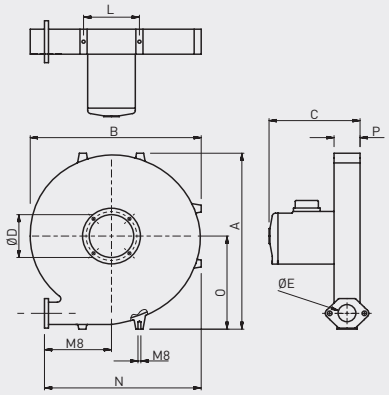
CST/CSB-60




CBT/CBB




CBT-40

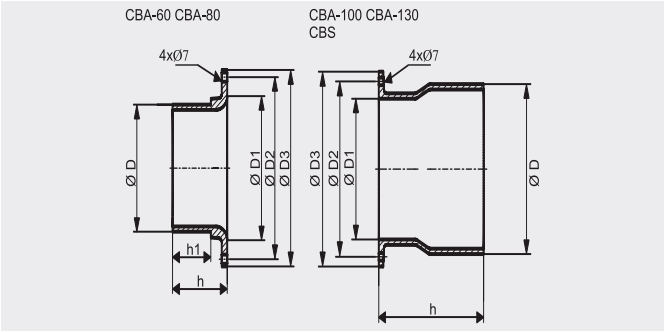



| Modelo | A | B | C | Ø D | Ø E | F | G | H | L | M | N | O |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CST/B-60 | 327 | 281 | 165 | 110 | 60 | 150 | 120 | 110 | 60 | 135 | 291 | 190 |
| CBT-40 | 411 | 385 | 197 | 114 | 40 | 52 | – | – | 128 | 150 | 352 | 217 |
| CBT/CBB-60N | 375 | 332 | 258 | 110 | 60 | 125 | 122 | 98 | 100 | 97 | 324 | 206 |
| CBT/CBB-80N | 450 | 390 | 286 | 125 | 80 | 147 | 140 | 120 | 118 | 97 | 374 | 256 |
| CBT/CBB-100N | 511 | 434 | 328 | 140 | 100 | 201 | 184 | 170 | 158 | 101 | 415 | 294 |
| CBT/CBB-130N | 603 | 508 | 353 | 160 | 130 | 216 | 230 | 185 | 204 | 88 | 480 | 348 |

## ACCESORIOS

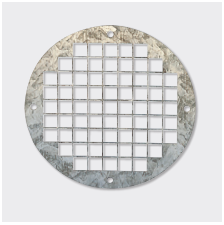


**CBA/CBS**
Brida de conexión.




| Modelo | Montaje a | Ø (mm) |
|---|---|---|
| CBA-60 | Aspiración CBT-60N | 100 |
| CBA-80 | Aspiración CBT-80N | 125 |
| CBA-100 | Aspiración CBT-100N | 160 |
| CBA-130 | Aspiración CBT-130N | 200 |
| CBS-60 | Descarga CBT-60N | 100 |
| CBS-80 | Descarga CBT-80N | 125 |
| CBS-100 | Descarga CBT-100N | 160 |
| CBS-130 | Descarga CBT-130N | 200 |

| Modelo | D | D1 | D2 | D3 | h | h1 |
|---|---|---|---|---|---|---|
| CBA-60 | 97 | 110 | 139 | 150 | 50 | 35 |
| CBA-80 | 122 | 125 | 147 | 165 | 50 | 35 |
| CBA-100 | 157 | 130 | 162 | 180 | 116 | - |
| CBA-130 | 197 | 150 | 180 | 200 | 132 | - |
| CBS-60 | 97 | 60 | 80 | 95 | 104 | - |
| CBS-80 | 122 | 80 | 105 | 123 | 128 | - |
| CBS-100 | 157 | 100 | 130 | 150 | 140 | - |
| CBS-130 | 197 | 130 | 165 | 190 | 146 | - |



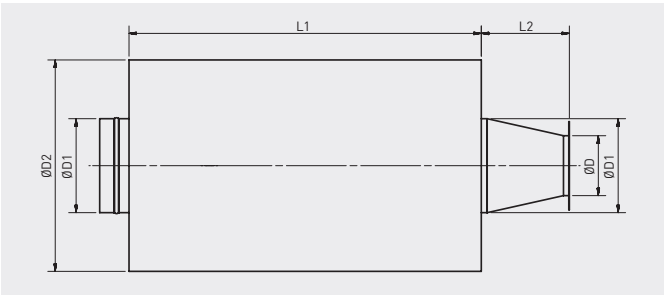
**DEF-T / KRJ**
Rejilla de protección. Se montan a la aspiración de los ventiladores.

| Modelo rejilla | CBT |
|---|---|
| DEF-100T | 40 |
| KRJ-120 | 60 |
| KRJ-140 | 80 |
| DEF-140T | 100 |
| KRJ-160 | 130 |



**KBTA**
Silenciadores para colocar en la aspiración de los CBT.

**KBTI**
Silenciadores para colocar en la descarga de los CBT.




| CBT | KBTA | KBTI | L1 | L2 (KBTA) | L2 (KBTI) | D (KBTI) | D (KBTA) | D1 | D2 |
|---|---|---|---|---|---|---|---|---|---|
| 60 | KBTA-60 | KBTI-60 | 600 | 100 | 100 | 60 | 100 | 100 | 300 |
| 80 | KBTA-80 | KBTI-80 | 600 | 100 | 100 | 80 | 125 | 125 | 325 |
| 100 | KBTA-100 | KBTI-100 | 600 | 100 | 150 | 100 | 160 | 160 | 360 |
| 130 | KBTA-130 | KBTI-130 | 600 | 150 | 150 | 130 | 200 | 200 | 400 |

# CMPB/CMPT(1)

## VENTILADORES CENTRÍFUGOS DE MEDIA PRESIÓN

*ACOPLAMIENTO DIRECTO*

Ventiladores centrífugos de simple aspiración, capacitados para trasegar gases corrosivos, fabricados en propileno, con rodete de álabes hacia adelante directamente acoplado al eje motor, IP55, Clase F y protector térmico incorporado.
Temperatura de trabajo de -10ºC a +60ºC.



**Motores**
De 2 o 4 polos, según versiones.
Tensión de alimentación:
Trifásicos 230/400V-50Hz.
Monofásicos 230V-50Hz, bajo demanda.

**Otros datos**
- Voluta orientable.
- Orientación estándar: LG0.

**Bajo demanda**
Ejecuciones especiales en PVC para vehicular vapores de cromo y derivados (modelos 160 a 355).

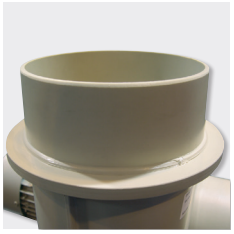
**Versiones ATEX**
Versiones ATEX disponibles para modelos trifásicos.
Para trabajar a temperaturas de -10ºC a +40ºC.
Motor IP55, Clase F.
- ATEX Antideflagrantes - Gas:
  Excepto modelos CBT-40 y CST-60.
  Ⓔx II 2G Ex d IIB T4
  Ⓔx II 2G Ex d IIB+H2 T4
  (con motor Ex d IIC T4)
  En versión ATEX estándar, los motores antideflagrantes se entregan sin protección térmica. Para utilizar con convertidor de frecuencia pedir motores antideflagrantes con protector térmico tipo PTC.
- ATEX Seguridad aumentada - Gas:
  Ⓔx II 2G Ex e II T3

Para seleccionar modelos CMPT(1), ver los datos de características técnicas, o bien el programa de selección de producto EASYVENT.
Los datos eléctricos de los modelos ATEXpueden variar respecto a los datos indicados en las tablas características.
Consulte la disponibilidad de otras versiones de motores ATEX.

**Productos habituales para aplicación de ventiladores en PP**

| | | | | | |
|---|---|---|---|---|---|
| Ácido Sulfúrico | Ácido Sulfuroso | Ácido Nítrico | Ácido Nitroso | Ácido Fluorhidrico | Ácido Bórico |
| Ácido Cianhídrico | Ácido Clorhídrico | Amoniaco | Sosa | Etanol | Hidróxido de Potasio |
| Metanol | Propano | Formol | Benceno | Formaldehido | |

Bajo demanda, ejecuciones especiales en PVC para vehicular vapores de cromo y derivados. Para otros productos, consultar en cada caso.



**Voluta de gran robustez**
Voluta de polipropileno de gran espesor que proporciona gran robustez.

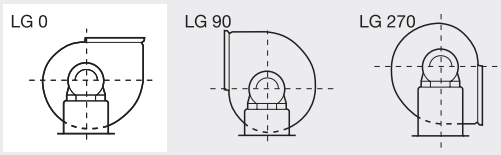


**Desagüe de condensaciones**
Con cierre mediante tapón roscado.



**Rodete de polipropileno**
De álabes hacia adelante (excepto CMPT/2-315), de perfecto acabado y equilibrado dinámicamente, según norma ISO 1940.

## ORIENTACIONES




Orientación estándar: LG0. El resto de las orientaciones se fabrican bajo demanda.

## CARACTERÍSTICAS TÉCNICAS

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación

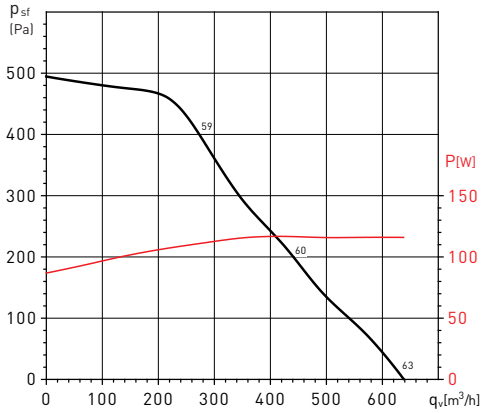
| Modelo | Velocidad (r.p.m.) | Potencia motor (kW) | Intensidad máxima absorbida (A) | | Caudal máximo ($m^3/h$) | Nivel presión sonora (dB(A)** | Peso (kg) |
|---|---|---|---|---|---|---|---|
| | | | 230 V | 400 V | | | |
| MONOFÁSICOS 2 POLOS | | | | | | | |
| CMPB/2-140 | 2700 | 0,09 | 1,15 | – | 615 | 60 | 6 |
| CMPB/2-160 | 2850 | 0,37 | 2,87 | – | 1.150 | 69 | 11 |
| CMPB/2-200 | 2820 | 1,5 | 10 | – | 3.100 | 81 | 17 |
| MONOFÁSICOS 4 POLOS | | | | | | | |
| CMPB/4-160 | 1370 | 0,25 | 2,3 | – | 830 | 54 | 11 |
| CMPB/4-200 | 1350 | 0,37 | 3,06 | – | 1.850 | 66 | 18 |
| CMPB/4-250 | 1350 | 1,5 | 9,9 | – | 3.650 | 69 | 29 |
| TRIFÁSICOS 2 POLOS | | | | | | | |
| CMPT/2-140 | 2800 | 0,09 | 0,5 | 0,4 | 615 | 60 | 6 |
| CMPT/2-160 | 2800 | 0,37 | 1,6 | 1,0 | 1.150 | 69 | 11 |
| CMPT/2-200 | 2900 | 1,5 | 5,0 | 2,9 | 3.100 | 81 | 18 |
| CMPT/2-315 | 2800 | 3 | 5,6 | 4,3 | 5.450 | 94 | 60 |
| TRIFÁSICOS 4 POLOS | | | | | | | |
| CMPT/4-160 | 1365 | 0,25 | 1,3 | 0,7 | 830 | 54 | 11 |
| CMPT/4-200 | 1375 | 0,37 | 1,7 | 1,0 | 1.850 | 66 | 18 |
| CMPT/4-250 | 1435 | 1,5 | 5,7 | 3,3 | 3.650 | 69 | 35 |
| CMPT/4-315 | 1450 | 2,2 | 7,9 | 4,6 | 5.800 | 77 | 60 |
| CMPT/4-355 | 1445 | 4 | 15,2 | 8,8 | 8.300 | 86 | 74 |

* A 1,5 m en campo libre

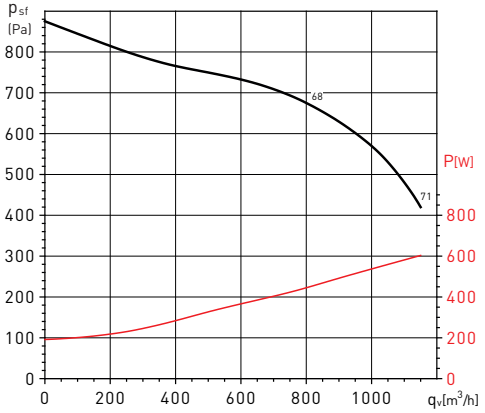
## CURVAS CARACTERÍSTICAS

- $q_v$: Caudal en $m^3/h$
- $p_{sf}$: Presión estática en Pa
- Aire seco normal a 20°C y 760 mmHg
- Ensayos realizados de acuerdo a Norma ISO 5801 y AMCA 210-99
- P: Potencia absorbida en W
- Nivel de presión sonora medido en dB(A), a 1,5 m de la aspiración, en campo libre

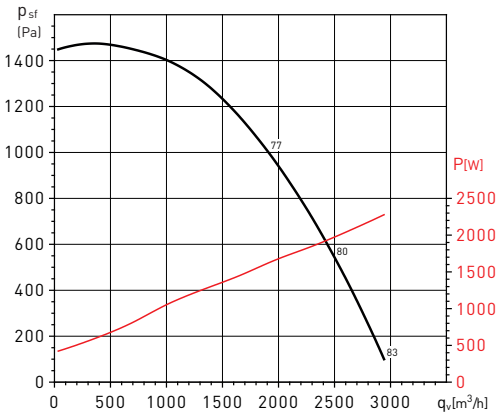
CMPB-CMPT/2-140



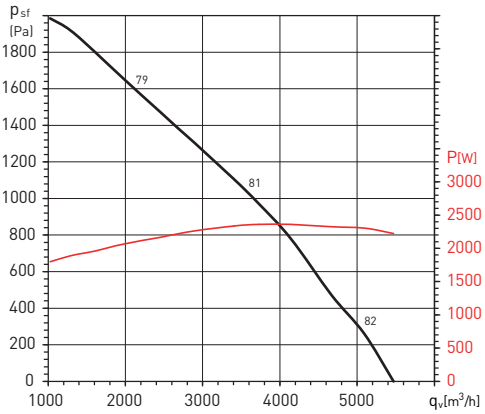

CMPB-CMPT/2-160




CMPB-CMPT/2-200




CMPT/2-315



## CARACTERÍSTICAS ACÚSTICAS

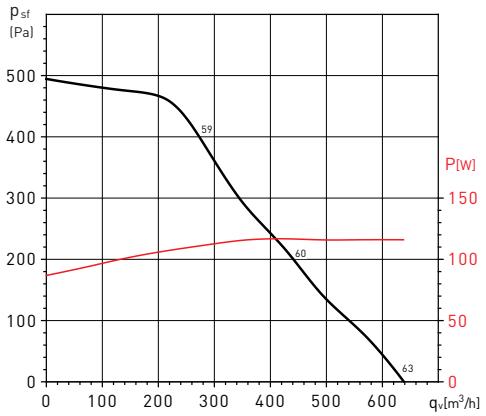
Espectros de potencias sonoras en dB(A) por banda de frecuencia en (Hz)

| Modelo | | Espectro de potencias | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 63 Hz | 125 Hz | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz | 8000 Hz | LwA |
| CMPT/2-140 | | | | | | | | | | |
| Aspiración | A | 46 | 52 | 57 | 71 | 74 | 69 | 67 | 55 | 77 |
| | B | 46 | 50 | 56 | 70 | 72 | 66 | 61 | 51 | 75 |
| | C | 44 | 53 | 59 | 66 | 72 | 62 | 58 | 50 | 74 |
| Descarga | A | 31 | 48 | 61 | 71 | 73 | 71 | 69 | 56 | 77 |
| | B | 32 | 48 | 61 | 70 | 69 | 66 | 63 | 48 | 74 |
| | C | 35 | 51 | 63 | 66 | 66 | 61 | 57 | 48 | 71 |
| CMPT/2-160 | | | | | | | | | | |
| Aspiración | A | 53 | 59 | 68 | 77 | 84 | 77 | 72 | 66 | 86 |
| | B | 52 | 60 | 69 | 75 | 81 | 74 | 69 | 63 | 83 |
| Descarga | A | 50 | 59 | 73 | 78 | 81 | 78 | 74 | 65 | 85 |
| | B | 52 | 60 | 72 | 75 | 77 | 75 | 70 | 63 | 82 |
| CMPT/2-200 | | | | | | | | | | |
| Aspiración | A | 57 | 69 | 76 | 85 | 97 | 89 | 83 | 80 | 98 |
| | B | 59 | 67 | 77 | 84 | 93 | 87 | 81 | 78 | 95 |
| | C | 60 | 66 | 78 | 83 | 88 | 84 | 79 | 75 | 91 |
| Descarga | A | 78 | 85 | 91 | 91 | 94 | 91 | 85 | 81 | 99 |
| | B | 65 | 68 | 83 | 85 | 91 | 89 | 83 | 79 | 94 |
| | C | 66 | 67 | 79 | 82 | 87 | 86 | 81 | 75 | 91 |
| CMPT/2-315 | | | | | | | | | | |
| Aspiración | A | 57 | 65 | 75 | 88 | 89 | 93 | 82 | 73 | 96 |
| | B | 62 | 68 | 85 | 88 | 88 | 91 | 79 | 70 | 95 |
| | C | 62 | 72 | 83 | 89 | 88 | 88 | 77 | 68 | 94 |
| Descarga | A | 58 | 72 | 75 | 87 | 92 | 84 | 87 | 75 | 97 |
| | B | 61 | 73 | 83 | 93 | 95 | 95 | 86 | 75 | 100 |
| | C | 63 | 75 | 85 | 92 | 94 | 95 | 83 | 73 | 99 |
| CMPT/4-160 | | | | | | | | | | |
| Aspiración | A | 35 | 45 | 54 | 63 | 69 | 66 | 62 | 56 | 72 |
| | B | 31 | 44 | 55 | 62 | 67 | 63 | 59 | 53 | 70 |
| | C | 27 | 39 | 51 | 58 | 62 | 57 | 53 | 48 | 65 |
| Descarga | A | 41 | 51 | 66 | 66 | 66 | 64 | 64 | 57 | 72 |
| | B | 36 | 45 | 63 | 59 | 64 | 63 | 62 | 54 | 70 |
| | C | 31 | 41 | 55 | 58 | 61 | 60 | 60 | 49 | 66 |
| CMPT/4-200 | | | | | | | | | | |
| Aspiración | A | 45 | 55 | 66 | 72 | 76 | 70 | 65 | 59 | 79 |
| | B | 49 | 55 | 63 | 68 | 73 | 67 | 62 | 55 | 76 |
| Descarga | A | 54 | 63 | 74 | 72 | 75 | 72 | 67 | 60 | 80 |
| | B | 49 | 56 | 66 | 69 | 72 | 69 | 63 | 55 | 76 |
| CMPT/4-250 | | | | | | | | | | |
| Aspiración | A | 51 | 60 | 70 | 77 | 81 | 75 | 70 | 64 | 84 |
| | B | 48 | 58 | 68 | 74 | 78 | 72 | 67 | 61 | 81 |
| | C | 53 | 59 | 66 | 70 | 75 | 69 | 63 | 56 | 78 |
| Descarga | A | 66 | 74 | 81 | 81 | 81 | 77 | 72 | 65 | 87 |
| | B | 58 | 66 | 76 | 74 | 78 | 74 | 68 | 61 | 82 |
| | C | 53 | 60 | 68 | 71 | 74 | 70 | 64 | 56 | 78 |
| CMPT/4-315 | | | | | | | | | | |
| Aspiración | A | 58 | 71 | 78 | 84 | 86 | 80 | 75 | 67 | 89 |
| | B | 54 | 65 | 72 | 78 | 81 | 75 | 70 | 62 | 84 |
| | C | 51 | 63 | 70 | 76 | 78 | 73 | 66 | 59 | 81 |
| Descarga | A | 65 | 76 | 86 | 89 | 90 | 85 | 79 | 69 | 94 |
| | B | 66 | 77 | 87 | 89 | 91 | 87 | 79 | 68 | 95 |
| | C | 66 | 77 | 86 | 89 | 91 | 87 | 79 | 68 | 95 |
| CMPT/4-355 | | | | | | | | | | |
| Aspiración | A | 66 | 72 | 82 | 87 | 88 | 80 | 74 | 68 | 92 |
| | B | 78 | 78 | 80 | 83 | 88 | 81 | 73 | 65 | 91 |
| Descarga | A | 80 | 87 | 90 | 90 | 91 | 85 | 74 | 68 | 96 |
| | B | 75 | 78 | 82 | 84 | 87 | 81 | 69 | 63 | 90 |

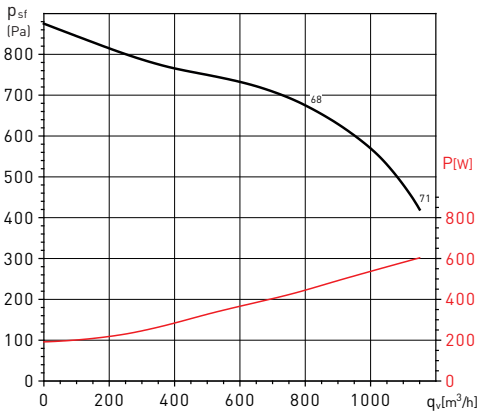
## CURVAS CARACTERÍSTICAS

- $q_v$: Caudal en $m^3/h$
- $p_{sf}$: Presión estática en Pa
- Aire seco normal a 20°C y 760 mmHg
- Ensayos realizados de acuerdo a Norma ISO 5801 y AMCA 210-99
- P: Potencia absorbida en W
- Nivel de presión sonora medido en dB(A), a 1,5 m de la aspiración, en campo libre

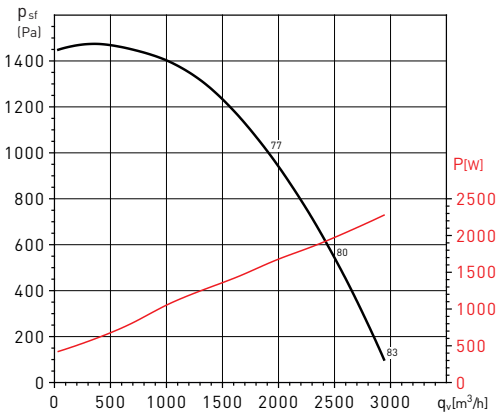
CMPB-CMPT/2-140



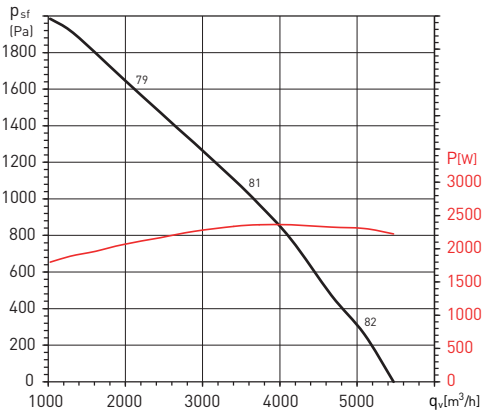

CMPB-CMPT/2-160



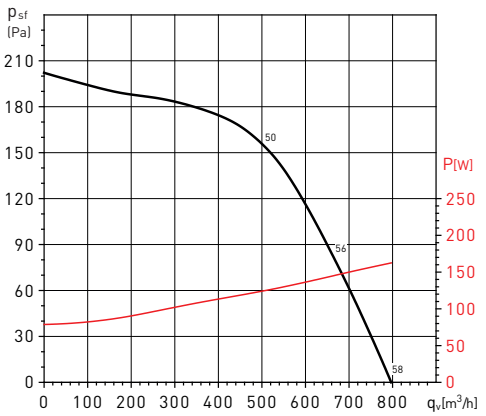

CMPB-CMPT/2-200



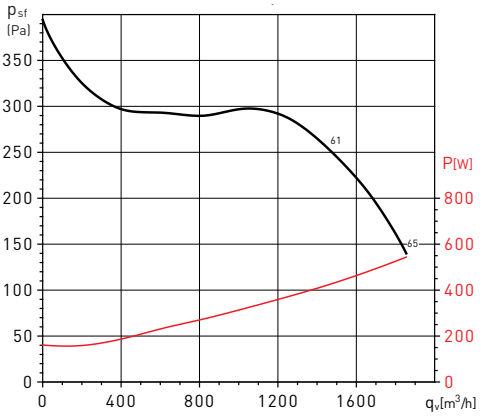

CMPT/2-315




CMPB-CMPT/4-160



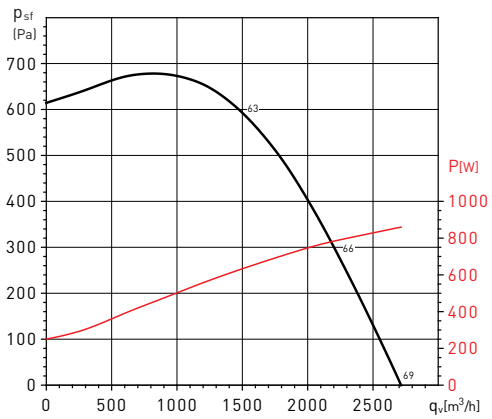

CMPB-CMPT/4-200



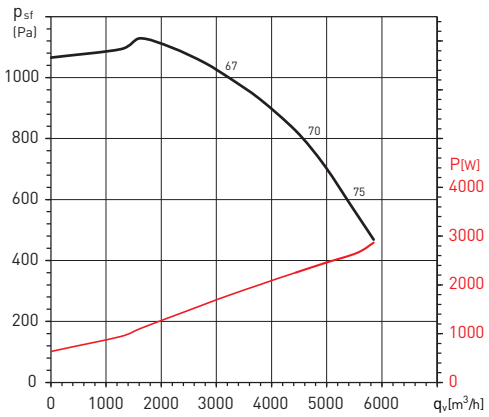
## CURVAS CARACTERÍSTICAS

- $q_v$: Caudal en $m^3/h$
- $p_{sf}$: Presión estática en Pa
- Aire seco normal a 20°C y 760 mmHg
- Ensayos realizados de acuerdo a Norma ISO 5801 y AMCA 210-99
- P: Potencia absorbida en W
- Nivel de presión sonora medido en dB(A), a 1,5 m de la aspiración, en campo libre

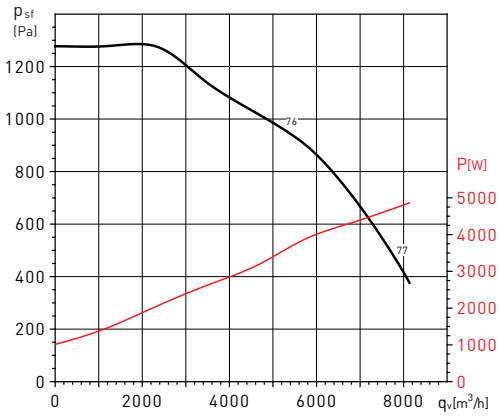
CMPB-CMPT/4-250




CMPT/4-315

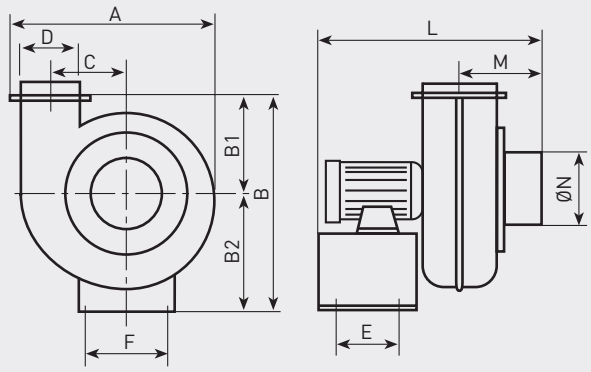



CMPT/4-355

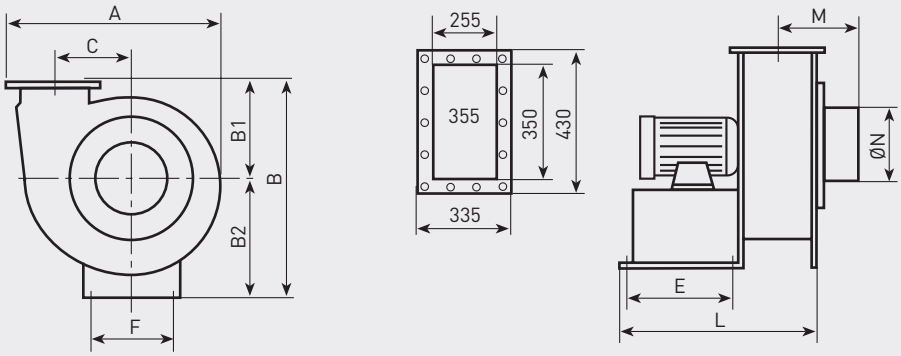


## DIMENSIONES (mm)

CMPB/CMPT - 140 a 315




CMPT - 355




| Modelo | A | B | B1 | B2 | C | E | F | L | M | ØN | ØD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 140 | 410 | 480 | 180 | 250 | 130 | 125 | 210 | 350 | 100 | 140 | 140 |
| 160 | 445 | 525 | 200 | 260 | 150 | 125 | 210 | 440 | 130 | 160 | 160 |
| 200 | 590 | 700 | 275 | 360 | 240 | 160 | 295 | 480 | 182 | 200 | 200 |
| 250 | 790 | 905 | 375 | 465 | 290 | 200 | 486 | 620 | 215 | 250 | 250 |
| 315 | 970 | 1069 | 579 | 590 | 390 | 305 | 390 | 765 | 257 | 315 | 315 |
| 355 | 990 | 907 | 395 | 512 | 375 | 320 | 380 | 621 | 260 | 355 | – |

## ACCESORIOS



**CARP**
Cierres manuales circulares.



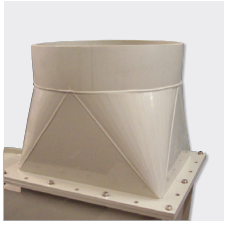
**CTP**
Sombreretes de salida.



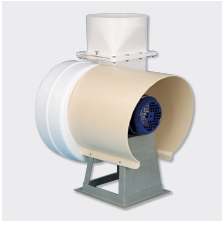
**MFP**
Acoplamientos elásticos circulares.



**APP**
Viseras circulares antipájaros.



**ACP**
Acoplamientos circulares.



**CMP**
Cubremotores.

| Modelos | CMP 140 | CMP 160 | CMP 200 | CMP 200 T/4 | CMP 250 | CMP 315 | CMP 355 |
|---|---|---|---|---|---|---|---|
| MONOFÁSICOS 2 POLOS | | | | | | | |
| CMPB/2-140 | • | | | | | | |
| CMPB/2-160 | | • | | | | | |
| CMPB/2-200 | | | • | | | | |
| MONOFÁSICOS 4 POLOS | | | | | | | |
| CMPB/4-160 | | • | | | | | |
| CMPB/4-200 | | | • | | | | |
| CMPB/4-250 | | | | | • | | |
| TRIFÁSICOS 2 POLOS | | | | | | | |
| CMPT/2-140 | • | | | | | | |
| CMPT/2-160 | | • | | | | | |
| CMPT/2-200 | | | • | | | | |
| CMPT/2-315 | | | | | | • | |
| TRIFÁSICOS 4 POLOS | | | | | | | |
| CMPT/4-160 | | • | | | | | |
| CMPT/4-200 | | | | • | | | |
| CMPT/4-250 | | | | | • | | |
| CMPT/4-315 | | | | | | • | |
| CMPT/4-355 | | | | | | | • |

# CMPB/CMPT(2)

## VENTILADORES CENTRÍFUGOS DE MEDIA PRESIÓN

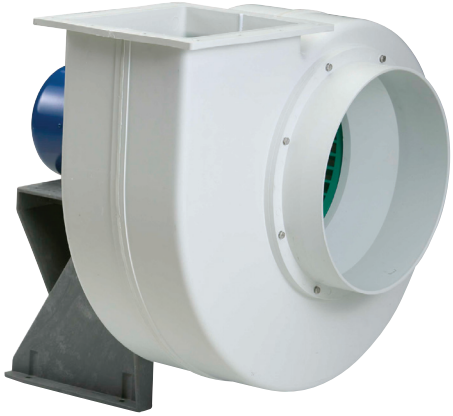
*ACOPLAMIENTO DIRECTO*



Configuración descarga circular



Configuración descarga rectangular. Modelos 50, 60 y 70



Configuración descarga rectangular

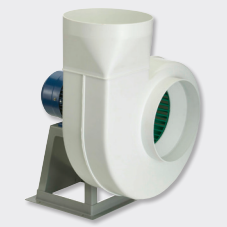
Ventiladores centrífugos de simple aspiración, capacitados para trasegar gases corrosivos, fabricados con carcasa de polipropileno inyectado resistente a los rayos UV, rodete de álabes hacia adelante de polipropileno, soporte motor, junta anticorrosiva y antifuga de gases, tornillería de acero inoxidable, motor IP55, Clase F.
Temperatura de trabajo entre -10 y 60 ºC.

**Motores**
Clase IE3 para potencias de 0,75 kW o superiores.
De 2, 4, 6 o 8 polos, según modelos.
Modelos trifásicos regulables por convertidor de frecuencia.
Tensión de alimentación:
Trifásicos 230/400V-50Hz
Monofásicos 230V-50Hz, hasta 1,1 kW.
(Ver cuadro de características).

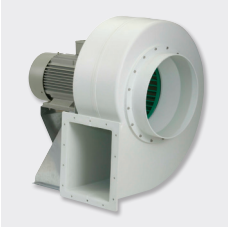
**Otros datos**
Voluta con 8 distintas orientaciones posibles.
Orientación estándar LG0.
Material del soporte motor:
- Nylon (modelos 14 a 25)
- Polipropileno (modelos 30 y 35)
- Chapa de acero (modelos 42 a 70)

**Bajo demanda**
- Voluta con desagüe de condensaciones.
- Orientación RD (excepto para los modelos 14, 20A y 30A).
- Motores de 2 velocidades.

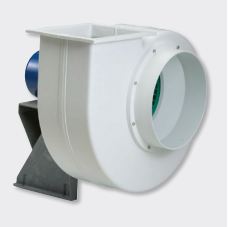
**Versiones ATEX**
Ver Serie CMPT ATEX.



**Descarga circular**
Para modelos hasta CMPT-30 y CMPT-25M.



**Descarga rectangular**
Para modelos CMPT-35 y CMPT-42, CMPT-20A, CMPT-25A y CMPT-30A.

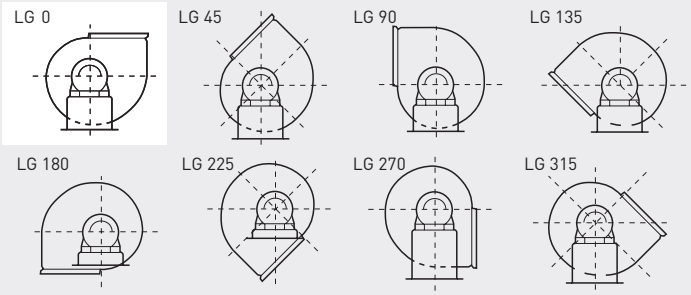


**Diseño robusto y de calidad**
Voluta de polipropileno de gran espesor que proporciona gran robustez. Tornillería de acero inoxidable.



**Rodete equilibrado dinámicamente**
Rodete de polipropileno, de álabes hacia adelante, de perfecto acabado y equilibrado dinámicamente, según norma ISO 1940.

## ORIENTACIONES




Orientación estándar: LG0. El resto de las orientaciones se fabrican bajo demanda.

## CARACTERÍSTICAS TÉCNICAS

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación

| Modelo | Velocidad (r.p.m.) | Tamaño motor (mm) | Potencia motor (kW) | Intensidad máxima absorbida (A)* | | Caudal máximo (m³/h) | Nivel presión sonora (dB(A)** | Peso (kg) |
|---|---|---|---|---|---|---|---|---|
| | | | | 230 V | 400 V | | | |
| MONOFÁSICOS 2 POLOS | | | | | | | | |
| CMPB/2-14-0,18 | 2900 | 63 | 0,18 | 1,53 | – | 730 | 60 | 4 |
| CMPB/2-20-1,1 | 2900 | 80 | 1,1 | 7,9 | – | 2.100 | 72 | 13 |
| CMPB/2-20A-0,55 | 2900 | 71 | 0,55 | 4,21 | – | 900 | 68 | 11 |
| MONOFÁSICOS 4 POLOS | | | | | | | | |
| CMPB/4-14-0,18 | 1470 | 63 | 0,05** | 0,25 | – | 350 | 45 | 4 |
| CMPB/4-20-0,12 | 1450 | 63 | 0,12 | 1,2 | – | 1.220 | 60 | 8 |
| CMPB/4-23-0,55 | 1450 | 80 | 0,55 | 1,7 | – | 2.560 | 64 | 15 |
| CMPB/4-24-0,55 | 1450 | 80 | 0,55 | 1,7 | – | 2.400 | 61 | 15 |
| CMPB/4-25-0,55 | 1450 | 80 | 0,55 | 1,7 | – | 2.680 | 60 | 15 |
| CMPB/4-30-1,1 | 1420 | 90 | 1,1 | 7 | – | 4.240 | 69 | 29 |
| CMPB/4-25M-0,55 | 1450 | 80 | 0,55 | 1,7 | – | 1.700 | 63 | 15 |
| CMPB/4-20A-0,12 | 1450 | 63 | 0,12 | 0,5 | – | 530 | 54 | 9 |
| CMPB/4-25A-0,25 | 1430 | 71 | 0,25 | 2,1 | – | 1.100 | 66 | 10 |
| CMPB/4-30A-0,55 | 1450 | 80 | 0,55 | 1,7 | – | 2.060 | 68 | 20 |
| MONOFÁSICOS 6 POLOS | | | | | | | | |
| CMPB/6-20-0,18 | 950 | 71 | 0,18 | 1,6 | – | 850 | 51 | 8 |
| CMPB/6-23-0,18 | 950 | 71 | 0,18 | 1,6 | – | 1.660 | 55 | 13 |
| CMPB/6-24-0,18 | 950 | 71 | 0,18 | 1,6 | – | 1.630 | 52 | 13 |
| CMPB/6-25-0,18 | 950 | 71 | 0,18 | 1,6 | – | 1.810 | 51 | 13 |
| CMPB/6-30-0,37 | 950 | 80 | 0,37 | 2,7 | – | 2.760 | 60 | 25 |
| CMPB/6-35-1,1 | 950 | 100 | 1,1 | 7,2 | – | 4.780 | 64 | 42 |
| CMPB/6-25M-0,18 | 950 | 71 | 0,18 | 1,6 | – | 1.200 | 54 | 13 |
| TRIFÁSICOS 2 POLOS | | | | | | | | |
| CMPT/2-14-0,18 | 2900 | 63 | 0,18 | 0,97 | 0,56 | 730 | 60 | 4 |
| CMPT/2-20-1,1 | 2900 | 80 | 1,1 | 4,33 | 2,5 | 2.100 | 72 | 13 |
| CMPT/2-24-2,2 | 2900 | 90 | 2,2 | 7,62 | 4,4 | 2.900 | 73 | 26 |
| CMPT/2-25M-2,2 | 2900 | 90 | 2,2 | 7,62 | 4,4 | 2.780 | 77 | 26 |
| CMPT/2-20A-0,55 | 2900 | 71 | 0,55 | 2,23 | 1,29 | 900 | 68 | 11 |
| CMPT/2-25A-1,5 | 2900 | 90 | 1,5 | 5 | 2,9 | 1.660 | 78 | 17 |
| CMPT/2-30A-3 | 2900 | 100 | 3 | 10 | 5,8 | 3.090 | 80 | 34 |
| TRIFÁSICOS 4 POLOS | | | | | | | | |
| CMPT/4-14-0,18 | 1450 | 63 | 0,18 | 1,09 | 0,63 | 350 | 45 | 4 |
| CMPT/4-20-0,18 | 1450 | 63 | 0,18 | 1,09 | 0,63 | 1.220 | 60 | 8 |
| CMPT/4-23-0,55 | 1450 | 80 | 0,55 | 2,42 | 1,4 | 2.560 | 64 | 15 |
| CMPT/4-24-0,55 | 1450 | 80 | 0,55 | 2,42 | 1,4 | 2.400 | 61 | 15 |
| CMPT/4-25-0,55 | 1450 | 80 | 0,55 | 2,42 | 1,4 | 2.680 | 60 | 15 |
| CMPT/4-30-1,1 | 1450 | 90 | 1,1 | 4,16 | 2,4 | 4.240 | 69 | 29 |
| CMPT/4-35-3 | 1450 | 100 | 3 | 10,91 | 6,3 | 6.470 | 72 | 48 |
| CMPT/4-42-5,5 | 1450 | 132 | 5,5 | – | 11,1 | 7.500 | 75 | 88 |
| CMPT/4-42-7,5 | 1450 | 132 | 7,5 | – | 14,8 | 11.220 | 80 | 102 |
| CMPT/4-25M-0,55 | 1450 | 80 | 0,55 | 2,42 | 1,4 | 1.700 | 63 | 15 |
| CMPT/4-20A-0,18 | 1450 | 63 | 0,18 | 1,09 | 0,63 | 530 | 54 | 9 |
| CMPT/4-25A-0,25 | 1450 | 71 | 0,25 | 1,28 | 0,74 | 1.100 | 66 | 10 |
| CMPT/4-30A-0,55 | 1450 | 80 | 0,55 | 2,42 | 1,4 | 2.060 | 68 | 20 |
| CMPT/4-50 50/135-7,5 | 1465 | 132 | 7,5 | – | 14,2 | 11.200 | – | 130 |
| CMPT/4-50 50/135-11 | 1460 | 160 | 11 | – | 21,1 | 15.000 | – | 170 |
| CMPT/4-50 55/145-11 | 1460 | 160 | 11 | – | 21,1 | 13.600 | – | 170 |
| CMPT/4-50 55/145-15 | 1465 | 160 | 15 | – | 28,6 | 17.000 | – | 190 |

* Nivel de presión sonora, medido a 1,5m en campo libre, en la aspiración, en un punto medio de la curva característica.
** Potencia absorbida.

## CARACTERÍSTICAS TÉCNICAS

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación

| Modelo | Velocidad (r.p.m.) | Tamaño motor (mm) | Potencia motor (kW) | Intensidad máxima absorbida (A)* | | Caudal máximo (m³/h) | Nivel presión sonora (dB(A)** | Peso (kg) |
|---|---|---|---|---|---|---|---|---|
| | | | | 230 V | 400 V | | | |
| TRIFÁSICOS 6 POLOS | | | | | | | | |
| CMPT/6-20-0,18 | 950 | 71 | 0,18 | 1,06 | 0,61 | 850 | 51 | 8 |
| CMPT/6-23-0,18 | 950 | 71 | 0,18 | 1,06 | 0,61 | 1.660 | 55 | 13 |
| CMPT/6-24-0,18 | 950 | 71 | 0,18 | 1,06 | 0,61 | 1.630 | 52 | 13 |
| CMPT/6-25-0,18 | 950 | 71 | 0,18 | 1,06 | 0,61 | 1.810 | 51 | 13 |
| CMPT/6-30-0,37 | 950 | 80 | 0,37 | 1,85 | 1,07 | 2.760 | 60 | 25 |
| CMPT/6-35-1,1 | 950 | 90 | 1,1 | 5,2 | 3 | 4.780 | 64 | 42 |
| CMPT/6-42-3 | 930 | 132 | 3 | 12,64 | 7,3 | 8.330 | 71 | 88 |
| CMPT/6-25M-0,18 | 950 | 71 | 0,18 | 1,06 | 0,61 | 1.200 | 54 | 13 |
| CMPT/6-50 50/135-2,2 | 940 | 112 | 2,2 | – | 5,36 | 7.400 | – | 105 |
| CMPT/6-50 50/135-3 | 960 | 132 | 3 | – | 6,82 | 9.700 | – | 116 |
| CMPT/6-50 55/145-3 | 960 | 132 | 3 | – | 6,82 | 8.600 | – | 116 |
| CMPT/6-50 55/145-4 | 960 | 132 | 4 | – | 8,74 | 11.000 | – | 125 |
| CMPT/6-50 60/160-4 | 960 | 132 | 4 | – | 8,74 | 9.500 | – | 125 |
| CMPT/6-50 60/160-5,5 | 960 | 132 | 5,5 | – | 12,2 | 12.000 | – | 130 |
| CMPT/6-60 50/135-5,5 | 960 | 132 | 5,5 | – | 12,2 | 12.000 | – | 170 |
| CMPT/6-60 50/135-7,5 | 965 | 160 | 7,5 | – | 16,4 | 14.500 | – | 215 |
| CMPT/6-60 50/135-11 | 970 | 160 | 11 | – | 23,2 | 17.200 | – | 220 |
| CMPT/6-60 55/145-7,5 | 965 | 160 | 7,5 | – | 16,4 | 14.000 | – | 215 |
| CMPT/6-60 55/145-11 | 970 | 160 | 11 | – | 23,2 | 18.500 | – | 220 |
| CMPT/6-60 55/145-15 | 970 | 180 | 15 | – | 31 | 19.100 | – | 250 |
| CMPT/6-60 60/160-7,5 | 965 | 160 | 7,5 | – | 16,4 | 14.000 | – | 215 |
| CMPT/6-60 60/160-11 | 970 | 160 | 11 | – | 23,2 | 18.500 | – | 220 |
| CMPT/6-60 60/160-15 | 970 | 180 | 15 | – | 31 | 20.750 | – | 250 |
| CMPT/6-70 50/135-11 | 970 | 160 | 11 | – | 23,2 | 19.000 | – | 260 |
| CMPT/6-70 50/135-15 | 970 | 180 | 15 | – | 31 | 24.000 | – | 288 |
| CMPT/6-70 50/135-18,5 | 965 | 200 | 18,5 | – | 36 | 27.600 | – | 318 |
| CMPT/6-70 55/145-15 | 970 | 180 | 15 | – | 31 | 21.500 | – | 288 |
| CMPT/6-70 55/145-18,5 | 965 | 200 | 18,5 | – | 36 | 25.200 | – | 318 |
| CMPT/6-70 55/145-22 | 960 | 200 | 22 | – | 43 | 28.500 | – | 330 |
| CMPT/6-70 60/160-18,5 | 965 | 200 | 18,5 | – | 36 | 23.400 | – | 318 |
| CMPT/6-70 60/160-22 | 960 | 200 | 22 | – | 43 | 26.500 | – | 330 |
| CMPT/6-70 60/160-30 | 965 | 225 | 30 | – | 56 | 33.500 | – | 385 |
| TRIFÁSICOS 8 POLOS | | | | | | | | |
| CMPT/8-50 50/135-1,1 | 700 | 100 | 1,1 | – | 3,38 | 7.300 | – | 89 |
| CMPT/8-50 55/145-1,5 | 710 | 112 | 1,5 | – | 4,02 | 6.800 | – | 103 |
| CMPT/8-50 55/145-2,2 | 715 | 132 | 2,2 | – | 5,27 | 8.200 | – | 112 |
| CMPT/8-50 60/160-2,2 | 715 | 132 | 2,2 | – | 5,27 | 8.000 | – | 112 |
| CMPT/8-50 60/160-3 | 710 | 132 | 3 | – | 7,2 | 8.900 | – | 125 |
| CMPT/8-60 50/135-3 | 710 | 132 | 3 | – | 7,2 | 10.500 | – | 165 |
| CMPT/8-60 50/135-4 | 720 | 160 | 4 | – | 10,9 | 13.300 | – | 194 |
| CMPT/8-60 55/145-4 | 720 | 160 | 4 | – | 10,9 | 12.000 | – | 194 |
| CMPT/8-60 55/145-5,5 | 710 | 160 | 5,5 | – | 13,4 | 14.500 | – | 200 |
| CMPT/8-60 60/160-4 | 720 | 160 | 4 | – | 10,9 | 12.200 | – | 194 |
| CMPT/8-60 60/160-5,5 | 710 | 160 | 5,5 | – | 13,4 | 15.000 | – | 200 |
| CMPT/8-60 60/160-7,5 | 715 | 160 | 7,5 | – | 18,1 | 15.900 | – | 225 |
| CMPT/8-70 50/135 5,5 | 710 | 160 | 5,5 | – | 13,4 | 15.200 | – | 240 |
| CMPT/8-70 50/135 7,5 | 715 | 160 | 7,5 | – | 18,1 | 19.900 | – | 265 |
| CMPT/8-70 50/135 11 | 720 | 180 | 11 | – | 26,4 | 20.500 | – | 290 |
| CMPT/8-70 50/135 11 | 720 | 180 | 11 | – | 26,4 | 20.500 | – | 290 |
| CMPT/8-70 55/145 5,5 | 710 | 160 | 5,5 | – | 13,4 | 14.100 | – | 240 |
| CMPT/8-70 55/145 11 | 720 | 180 | 11 | – | 26,4 | 22.200 | – | 290 |
| CMPT/8-70 60/160 7,5 | 715 | 160 | 7,5 | – | 18,1 | 16.200 | – | 253 |
| CMPT/8-70 60/160 11 | 720 | 180 | 11 | – | 26,4 | 22.500 | – | 290 |
| CMPT/8-70 60/160 15 | 740 | 200 | 15 | – | 29 | 25.200 | – | 310 |

* Nivel de presión sonora, medido a 1,5m en campo libre, en la aspiración, en un punto medio de la curva característica.
** Presión sonora medida a una distancia de 1,5 m del ventilador en q=2/3*Qmax

## CARACTERÍSTICAS ACÚSTICAS

Espectros de potencias sonoras en dB(A) por banda de frecuencia en (Hz)

| Modelo | | | Espectro de potencias | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 63 Hz | 125 Hz | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz | 8000 Hz | LwA |
| 2 POLOS | | | | | | | | | | | |
| Modelos 2-14 | Aspiración | B | 47 | 52 | 68 | 67 | 73 | 73 | 71 | 66 | 78 |
| | | M | 51 | 49 | 66 | 64 | 69 | 69 | 66 | 61 | 74 |
| | | H | 52 | 49 | 65 | 63 | 68 | 68 | 64 | 60 | 73 |
| | Descarga | B | 51 | 52 | 64 | 75 | 82 | 73 | 72 | 67 | 84 |
| | | M | 51 | 50 | 62 | 72 | 80 | 70 | 69 | 64 | 81 |
| | | H | 52 | 48 | 61 | 69 | 75 | 67 | 66 | 61 | 77 |
| Modelos 2-20 | Aspiración | M | 45 | 58 | 68 | 75 | 81 | 83 | 80 | 76 | 87 |
| | | H | 47 | 60 | 70 | 75 | 79 | 80 | 77 | 74 | 85 |
| | Descarga | M | 47 | 58 | 69 | 79 | 82 | 85 | 81 | 77 | 89 |
| | | H | 47 | 56 | 71 | 81 | 80 | 83 | 78 | 75 | 87 |
| Modelos 2-20A | Aspiración | M | 53 | 57 | 69 | 71 | 81 | 72 | 69 | 65 | 82 |
| | | H | 52 | 56 | 68 | 70 | 80 | 71 | 68 | 64 | 81 |
| | Descarga | M | 60 | 54 | 67 | 79 | 91 | 73 | 69 | 63 | 91 |
| | | H | 60 | 55 | 67 | 79 | 91 | 72 | 68 | 63 | 91 |
| Modelos 2-24 | Aspiración | H | 68 | 71 | 73 | 80 | 84 | 78 | 77 | 72 | 87 |
| | Descarga | H | 68 | 66 | 72 | 84 | 84 | 79 | 78 | 73 | 88 |
| Modelos 2-25 | Aspiración | M | 59 | 67 | 78 | 83 | 94 | 81 | 78 | 72 | 95 |
| | | H | 58 | 65 | 76 | 80 | 90 | 79 | 75 | 69 | 91 |
| | Descarga | M | 52 | 61 | 75 | 89 | 94 | 84 | 78 | 73 | 96 |
| | | H | 50 | 61 | 74 | 87 | 91 | 81 | 76 | 69 | 93 |
| Modelos 2-25A | Aspiración | M | 59 | 67 | 78 | 83 | 94 | 81 | 78 | 72 | 95 |
| | | H | 58 | 65 | 76 | 80 | 90 | 79 | 75 | 69 | 91 |
| | Descarga | M | 52 | 61 | 75 | 89 | 94 | 84 | 78 | 73 | 96 |
| | | H | 50 | 61 | 74 | 87 | 91 | 81 | 76 | 69 | 93 |
| Modelos 2-25M | Aspiración | M | 53 | 70 | 75 | 82 | 89 | 86 | 81 | 76 | 92 |
| | | H | 54 | 71 | 76 | 81 | 87 | 86 | 79 | 74 | 91 |
| | Descarga | M | 63 | 67 | 79 | 86 | 89 | 87 | 81 | 76 | 93 |
| | | H | 63 | 69 | 79 | 85 | 86 | 85 | 78 | 73 | 91 |
| Modelos 2-30A | Aspiración | M | 63 | 74 | 77 | 86 | 93 | 85 | 80 | 76 | 95 |
| | | H | 68 | 73 | 77 | 84 | 91 | 83 | 78 | 73 | 93 |
| | Descarga | M | 68 | 71 | 81 | 90 | 99 | 85 | 78 | 74 | 100 |
| | | H | 67 | 72 | 80 | 89 | 96 | 83 | 76 | 71 | 97 |
| 4 POLOS | | | | | | | | | | | |
| Modelos 4-14 | Aspiración | B | 32 | 37 | 53 | 52 | 58 | 58 | 56 | 51 | 63 |
| | | M | 36 | 34 | 51 | 49 | 54 | 54 | 51 | 46 | 59 |
| | | H | 37 | 34 | 50 | 48 | 53 | 53 | 49 | 45 | 58 |
| | Descarga | B | 36 | 37 | 49 | 60 | 67 | 58 | 57 | 52 | 69 |
| | | M | 36 | 35 | 47 | 57 | 65 | 55 | 54 | 49 | 66 |
| | | H | 37 | 33 | 46 | 54 | 60 | 52 | 51 | 46 | 62 |
| Modelos 4-20 | Aspiración | B | 43 | 56 | 66 | 71 | 73 | 69 | 65 | 62 | 77 |
| | | M | 37 | 47 | 59 | 69 | 70 | 65 | 62 | 57 | 74 |
| | | H | 37 | 48 | 59 | 66 | 66 | 60 | 56 | 51 | 70 |
| | Descarga | B | 41 | 50 | 63 | 75 | 73 | 69 | 66 | 63 | 78 |
| | | M | 37 | 45 | 58 | 72 | 70 | 65 | 63 | 59 | 75 |
| | | H | 38 | 44 | 59 | 70 | 65 | 61 | 58 | 58 | 72 |
| Modelos 4-20A | Aspiración | B | 38 | 42 | 55 | 57 | 68 | 58 | 55 | 51 | 69 |
| | | M | 38 | 42 | 54 | 56 | 66 | 57 | 54 | 50 | 67 |
| | | H | 37 | 41 | 53 | 55 | 65 | 56 | 53 | 49 | 66 |
| | Descarga | B | 44 | 41 | 51 | 67 | 77 | 61 | 56 | 50 | 78 |
| | | M | 45 | 39 | 52 | 64 | 76 | 58 | 54 | 48 | 76 |
| | | H | 45 | 40 | 52 | 64 | 76 | 57 | 53 | 48 | 76 |
| Modelos 4-23 | Aspiración | B | 51 | 67 | 71 | 73 | 78 | 74 | 72 | 69 | 82 |
| | | M | 45 | 59 | 66 | 70 | 75 | 70 | 69 | 65 | 78 |
| | | H | 44 | 57 | 62 | 65 | 70 | 63 | 63 | 59 | 73 |
| | Descarga | B | 48 | 60 | 70 | 75 | 79 | 74 | 72 | 68 | 82 |
| | | M | 43 | 54 | 64 | 72 | 78 | 70 | 69 | 65 | 80 |
| | | H | 43 | 53 | 61 | 69 | 71 | 65 | 64 | 59 | 75 |
| Modelos 4-24 | Aspiración | B | 45 | 57 | 64 | 71 | 75 | 69 | 69 | 64 | 78 |
| | | M | 44 | 56 | 62 | 68 | 72 | 65 | 65 | 60 | 75 |
| | | H | 53 | 56 | 58 | 65 | 69 | 63 | 62 | 57 | 72 |
| | Descarga | B | 46 | 55 | 65 | 76 | 76 | 72 | 71 | 67 | 81 |
| | | M | 43 | 53 | 63 | 73 | 74 | 69 | 68 | 63 | 78 |
| | | H | 53 | 51 | 57 | 69 | 69 | 64 | 63 | 58 | 73 |
| Modelos 4-25 | Aspiración | B | 46 | 59 | 65 | 71 | 77 | 71 | 70 | 66 | 80 |
| | | M | 43 | 56 | 63 | 67 | 73 | 67 | 66 | 62 | 76 |
| | | H | 50 | 57 | 59 | 63 | 69 | 63 | 62 | 57 | 72 |
| | Descarga | B | 49 | 58 | 65 | 76 | 79 | 76 | 75 | 71 | 83 |
| | | M | 45 | 54 | 62 | 73 | 76 | 71 | 70 | 66 | 79 |
| | | H | 48 | 53 | 59 | 69 | 69 | 63 | 63 | 58 | 73 |
| Modelos 4-25A | Aspiración | B | 44 | 54 | 63 | 70 | 81 | 70 | 66 | 61 | 82 |
| | | M | 44 | 52 | 63 | 68 | 79 | 66 | 63 | 57 | 80 |
| | | H | 43 | 50 | 61 | 65 | 75 | 64 | 60 | 54 | 76 |
| | Descarga | B | 39 | 48 | 60 | 76 | 83 | 73 | 68 | 62 | 84 |
| | | M | 37 | 46 | 60 | 74 | 79 | 69 | 63 | 58 | 81 |
| | | H | 35 | 46 | 59 | 72 | 76 | 66 | 61 | 54 | 78 |

## CARACTERÍSTICAS ACÚSTICAS

Espectros de potencias sonoras en dB(A) por banda de frecuencia en (Hz)

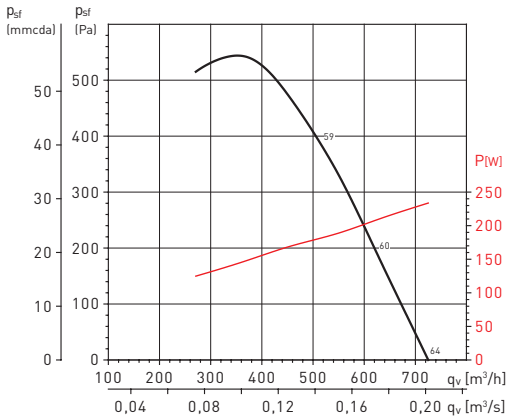
| Modelo | | | Espectro de potencias | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 63 Hz | 125 Hz | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz | 8000 Hz | LwA |
| 4 POLOS) | | | | | | | | | | | |
| Modelos 4-25M | Aspiración | B | 39 | 55 | 60 | 69 | 76 | 72 | 68 | 63 | 79 |
| | | M | 38 | 55 | 60 | 67 | 74 | 71 | 66 | 61 | 77 |
| | | H | 39 | 56 | 61 | 66 | 72 | 71 | 64 | 59 | 76 |
| | Descarga | B | 49 | 52 | 63 | 72 | 77 | 74 | 69 | 64 | 80 |
| | | M | 48 | 52 | 64 | 71 | 74 | 72 | 66 | 61 | 78 |
| | | H | 48 | 54 | 64 | 70 | 71 | 70 | 63 | 58 | 76 |
| Modelos 4-30 | Aspiración | B | 53 | 71 | 73 | 81 | 81 | 78 | 76 | 72 | 86 |
| | | M | 52 | 66 | 69 | 78 | 78 | 75 | 73 | 69 | 83 |
| | | H | 54 | 64 | 65 | 76 | 77 | 73 | 71 | 66 | 81 |
| | Descarga | B | 54 | 65 | 75 | 82 | 82 | 79 | 77 | 72 | 87 |
| | | M | 53 | 63 | 71 | 79 | 80 | 76 | 74 | 69 | 84 |
| | | H | 51 | 59 | 68 | 76 | 76 | 73 | 71 | 65 | 81 |
| Modelos 4-30A | Aspiración | B | 49 | 63 | 65 | 77 | 83 | 75 | 71 | 66 | 85 |
| | | M | 50 | 61 | 64 | 73 | 80 | 72 | 67 | 63 | 82 |
| | | H | 53 | 58 | 62 | 69 | 76 | 68 | 63 | 58 | 78 |
| | Descarga | B | 51 | 61 | 71 | 81 | 89 | 76 | 69 | 65 | 90 |
| | | M | 55 | 58 | 68 | 77 | 86 | 72 | 65 | 61 | 87 |
| | | H | 52 | 57 | 65 | 74 | 81 | 68 | 61 | 56 | 82 |
| Modelos 4-35 | Aspiración | M | 54 | 66 | 70 | 80 | 83 | 80 | 79 | 73 | 87 |
| | | H | 55 | 68 | 70 | 78 | 80 | 77 | 75 | 70 | 84 |
| | Descarga | M | 57 | 66 | 74 | 81 | 86 | 82 | 80 | 72 | 89 |
| | | H | 57 | 66 | 74 | 80 | 84 | 78 | 76 | 69 | 87 |
| Modelos 4-42 | Aspiración | M | 60 | 72 | 79 | 87 | 90 | 88 | 85 | 81 | 94 |
| | | H | 66 | 71 | 74 | 82 | 84 | 82 | 80 | 75 | 89 |
| | Descarga | M | 66 | 73 | 82 | 88 | 92 | 89 | 86 | 79 | 96 |
| | | H | 67 | 71 | 79 | 82 | 85 | 83 | 80 | 72 | 89 |
| 6 POLOS | | | | | | | | | | | |
| Modelos 6-20 | Aspiración | B | 26 | 39 | 48 | 56 | 62 | 63 | 62 | 58 | 68 |
| | | M | 21 | 34 | 44 | 51 | 57 | 59 | 56 | 52 | 63 |
| | | H | 23 | 36 | 46 | 51 | 55 | 56 | 53 | 50 | 61 |
| | Descarga | B | 29 | 38 | 48 | 59 | 62 | 65 | 62 | 58 | 69 |
| | | M | 23 | 34 | 45 | 55 | 58 | 61 | 57 | 53 | 65 |
| | | H | 23 | 32 | 47 | 57 | 56 | 59 | 54 | 51 | 63 |
| Modelos 6-23 | Aspiración | B | 42 | 58 | 62 | 64 | 69 | 65 | 63 | 60 | 73 |
| | | M | 36 | 50 | 57 | 61 | 66 | 61 | 60 | 56 | 69 |
| | | H | 35 | 48 | 53 | 56 | 61 | 54 | 54 | 50 | 64 |
| | Descarga | B | 39 | 51 | 61 | 66 | 70 | 65 | 63 | 59 | 73 |
| | | M | 34 | 45 | 55 | 63 | 69 | 61 | 60 | 56 | 71 |
| | | H | 34 | 44 | 52 | 60 | 62 | 56 | 55 | 50 | 66 |
| Modelos 6-24 | Aspiración | B | 36 | 48 | 55 | 62 | 66 | 60 | 60 | 55 | 69 |
| | | M | 35 | 47 | 53 | 59 | 63 | 56 | 56 | 51 | 66 |
| | | H | 44 | 47 | 49 | 56 | 60 | 54 | 53 | 48 | 63 |
| | Descarga | B | 37 | 46 | 56 | 67 | 67 | 63 | 62 | 58 | 72 |
| | | M | 34 | 44 | 54 | 64 | 65 | 60 | 59 | 54 | 69 |
| | | H | 44 | 42 | 48 | 60 | 60 | 55 | 54 | 49 | 64 |
| Modelos 6-25 | Aspiración | B | 37 | 50 | 56 | 62 | 68 | 62 | 61 | 57 | 71 |
| | | M | 34 | 47 | 54 | 58 | 64 | 58 | 57 | 53 | 67 |
| | | H | 41 | 48 | 50 | 54 | 60 | 54 | 53 | 48 | 63 |
| | Descarga | B | 40 | 49 | 56 | 67 | 70 | 67 | 66 | 62 | 74 |
| | | M | 36 | 45 | 53 | 64 | 67 | 62 | 61 | 57 | 70 |
| | | H | 39 | 44 | 50 | 60 | 60 | 54 | 54 | 49 | 64 |
| Modelos 6-25M | Aspiración | B | 30 | 46 | 51 | 60 | 67 | 63 | 59 | 54 | 70 |
| | | M | 29 | 46 | 51 | 58 | 65 | 62 | 57 | 52 | 68 |
| | | H | 30 | 47 | 52 | 57 | 63 | 62 | 55 | 50 | 67 |
| | Descarga | B | 40 | 43 | 54 | 63 | 68 | 65 | 60 | 55 | 71 |
| | | M | 39 | 43 | 55 | 62 | 65 | 63 | 57 | 52 | 69 |
| | | H | 39 | 45 | 55 | 61 | 62 | 61 | 54 | 49 | 67 |
| Modelos 6-30 | Aspiración | B | 44 | 62 | 64 | 72 | 72 | 69 | 67 | 63 | 77 |
| | | M | 43 | 57 | 60 | 69 | 69 | 66 | 64 | 60 | 74 |
| | | H | 45 | 55 | 56 | 67 | 68 | 64 | 62 | 57 | 72 |
| | Descarga | B | 45 | 56 | 66 | 73 | 73 | 70 | 68 | 63 | 78 |
| | | M | 44 | 54 | 62 | 70 | 71 | 67 | 65 | 60 | 75 |
| | | H | 42 | 50 | 59 | 67 | 67 | 64 | 62 | 56 | 72 |
| Modelos 6-35 | Aspiración | B | 46 | 57 | 63 | 73 | 77 | 75 | 73 | 68 | 81 |
| | | M | 45 | 57 | 61 | 71 | 74 | 71 | 70 | 64 | 78 |
| | | H | 46 | 59 | 61 | 69 | 71 | 68 | 66 | 61 | 75 |
| | Descarga | B | 52 | 59 | 67 | 74 | 80 | 76 | 74 | 67 | 83 |
| | | M | 48 | 57 | 65 | 72 | 77 | 73 | 71 | 63 | 80 |
| | | H | 48 | 57 | 65 | 71 | 75 | 69 | 67 | 60 | 78 |
| Modelos 6-42 | Aspiración | B | 51 | 64 | 72 | 81 | 84 | 82 | 80 | 75 | 88 |
| | | M | 51 | 63 | 70 | 78 | 81 | 79 | 76 | 72 | 85 |
| | | H | 57 | 62 | 65 | 73 | 75 | 73 | 71 | 66 | 80 |
| | Descarga | B | 58 | 66 | 76 | 81 | 86 | 84 | 81 | 75 | 90 |
| | | M | 57 | 64 | 73 | 79 | 83 | 80 | 77 | 70 | 87 |
| | | H | 58 | 62 | 70 | 73 | 76 | 74 | 71 | 63 | 80 |

## CURVAS CARACTERÍSTICAS

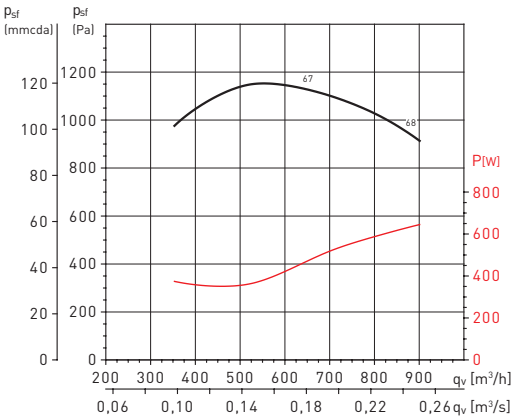
**MOTORES DE 2 POLOS**

- $q_v$: Caudal en $m^3/h$ y $m^3/s$
- $p_{sf}$: Presión estática en mmcda y Pa
- Aire seco normal a 20°C y 760 mmHg
- Ensayos realizados de acuerdo a Norma ISO 5801 y AMCA 210-99
- Nivel de presión sonora medido en dB(A), a 1,5 m de la aspiración, en campo libre

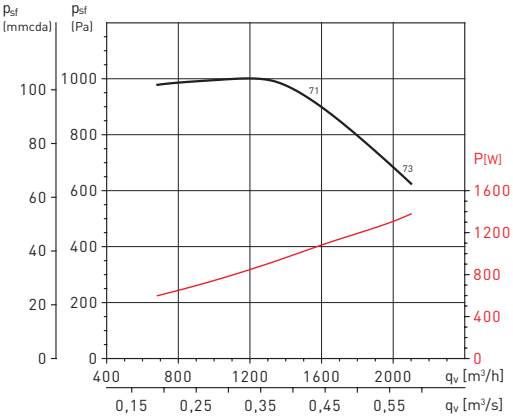
CMPB-CMPT/2-14



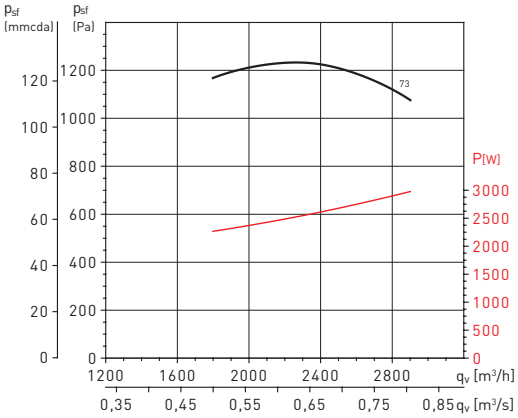

CMPB-CMPT/2-20A



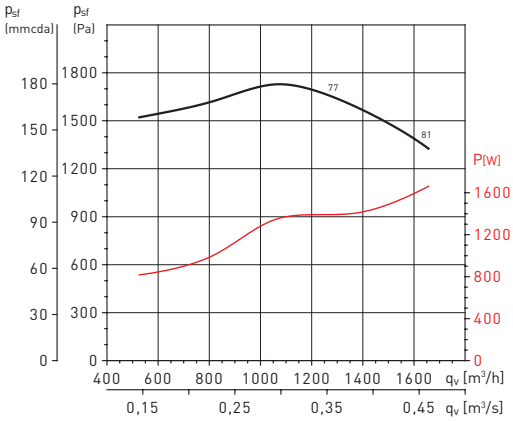

CMPB-CMPT/2-20



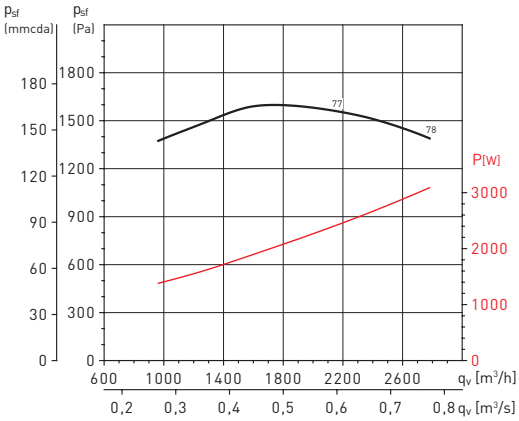

CMPB-CMPT/2-24



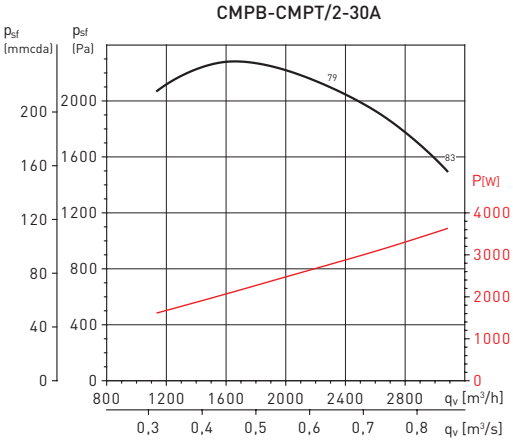

CMPB-CMPT/2-25A




CMPB-CMPT/2-25M




CMPB-CMPT/2-30A

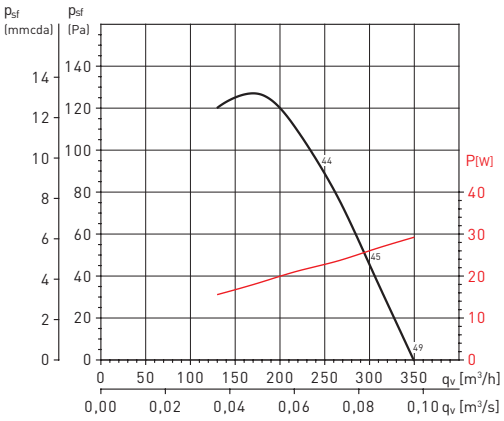


## CURVAS CARACTERÍSTICAS

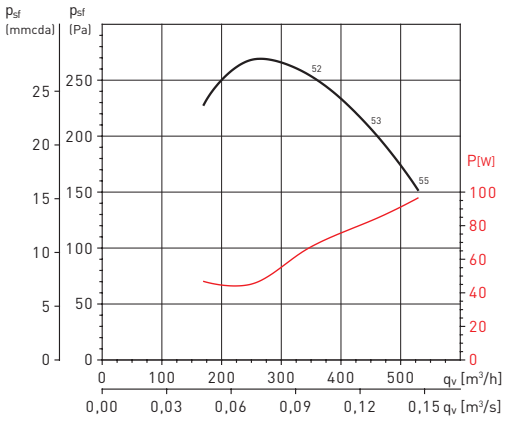
**MOTORES DE 4 POLOS**

- $q_v$: Caudal en $m^3/h$ y $m^3/s$
- $p_{sf}$: Presión estática en mmcda y Pa
- Aire seco normal a 20°C y 760 mmHg
- Ensayos realizados de acuerdo a Norma I SO 5801 y AMCA 210-99
- Nivel de presión sonora medido en dB(A), a 1,5 m de la aspiración, en campo libre

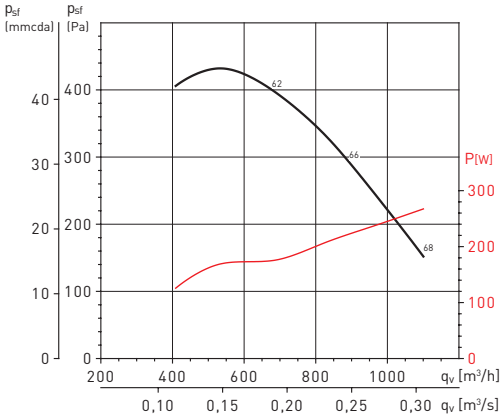
### CMPB-CMPT/4-14



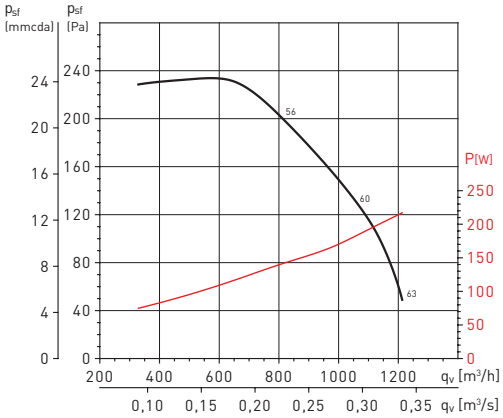

### CMPB-CMPT/4-20A



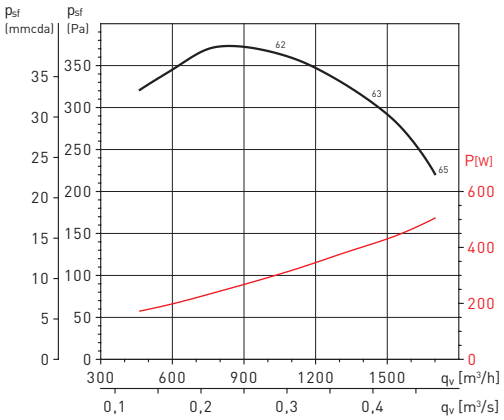

### CMPB-CMPT/4-25A



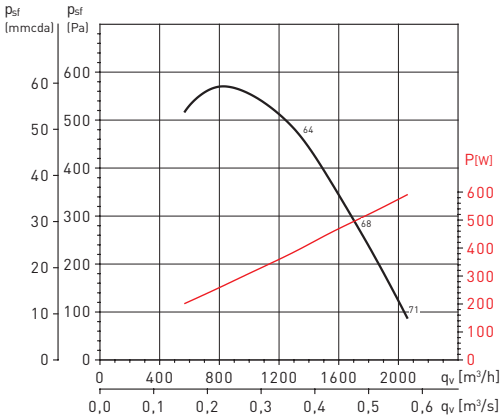

### CMPB-CMPT/4-20



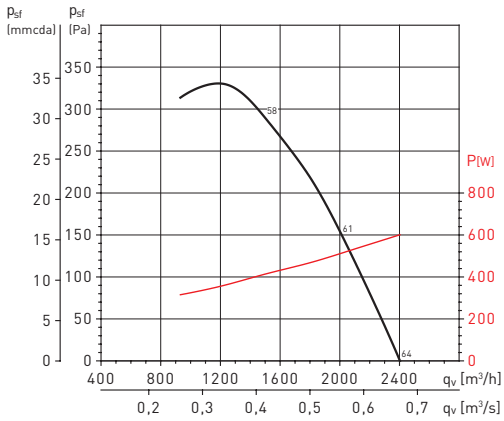

### CMPB-CMPT/4-25M



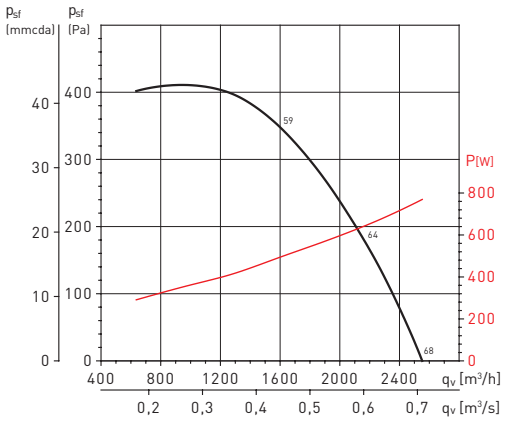

### CMPB-CMPT/4-30A




### CMPB-CMPT/4-24




### CMPB-CMPT/4-23

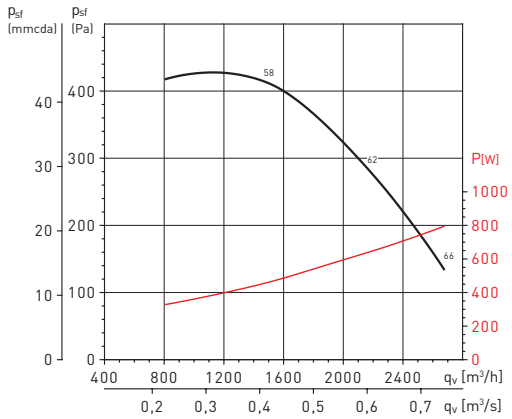


## CURVAS CARACTERÍSTICAS

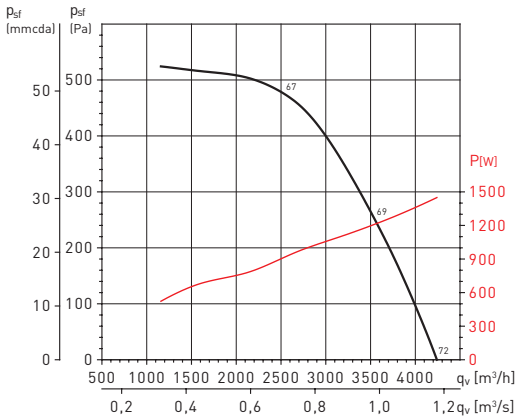
**MOTORES DE 4 POLOS**

- $q_v$: Caudal en $m^3/h$ y $m^3/s$
- $p_{sf}$: Presión estática en mmcda y Pa
- Aire seco normal a 20°C y 760 mmHg
- Ensayos realizados de acuerdo a Norma ISO 5801 y AMCA 210-99
- Nivel de presión sonora medido en dB(A), a 1,5 m de la aspiración, en campo libre

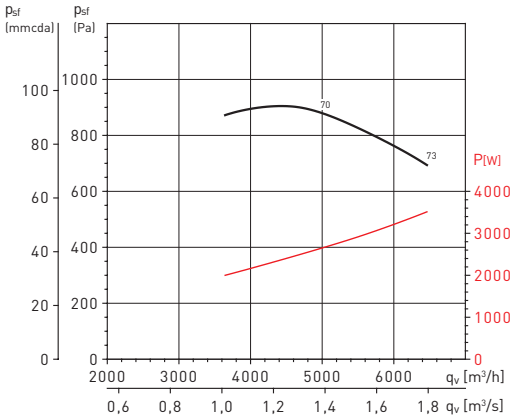
CMPB-CMPT/4-25



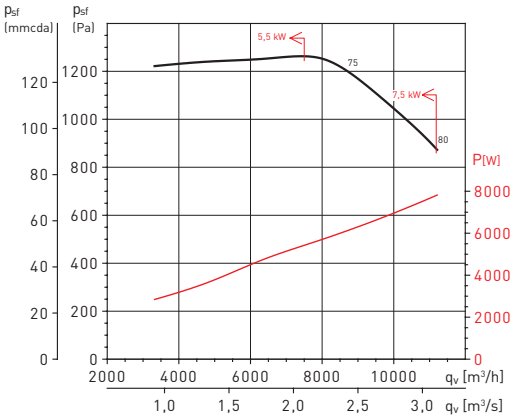

CMPB-CMPT/4-30




CMPT/4-35




CMPT/4-42

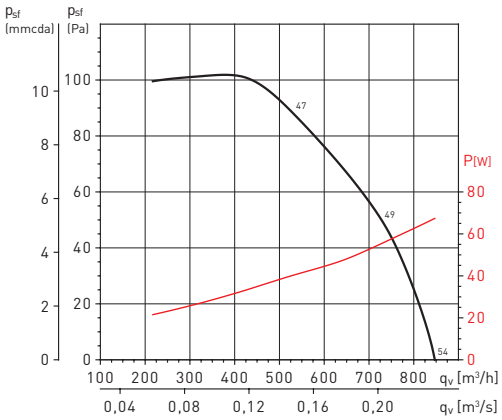


## CURVAS CARACTERÍSTICAS

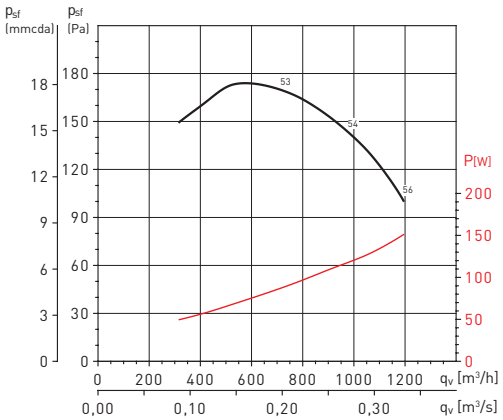
**MOTORES DE 6 POLOS**

- $q_v$: Caudal en $m^3/h$ y $m^3/s$
- $p_{sf}$: Presión estática en mmcda y Pa
- Aire seco normal a 20°C y 760 mmHg
- Ensayos realizados de acuerdo a Norma ISO 5801 y AMCA 210-99
- Nivel de presión sonora medido en dB(A), a 1,5 m de la aspiración, en campo libre

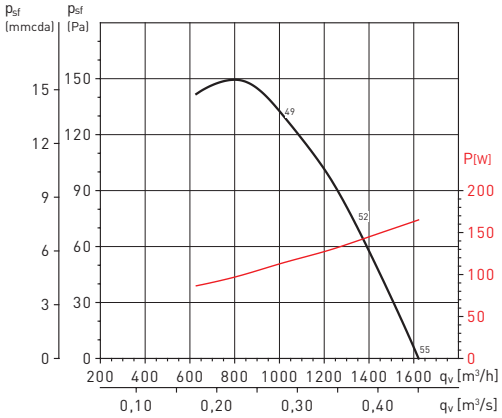
CMPB-CMPT/6-20



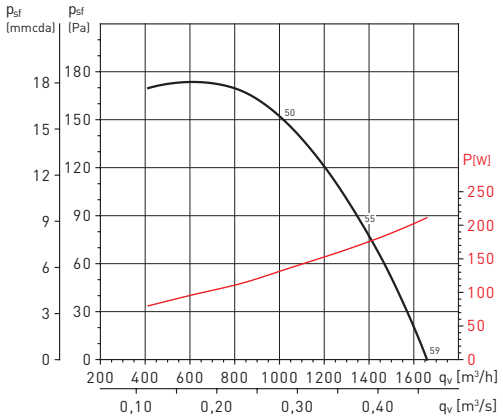

CMPB-CMPT/6-25M



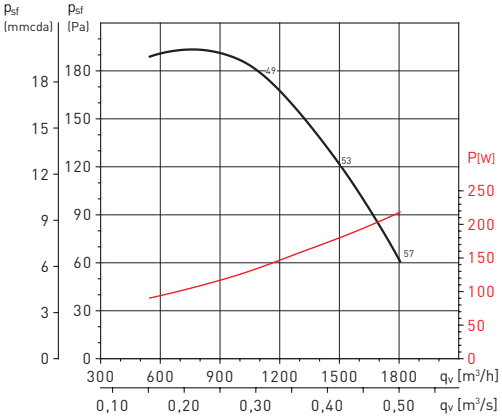

CMPB-CMPT/6-24



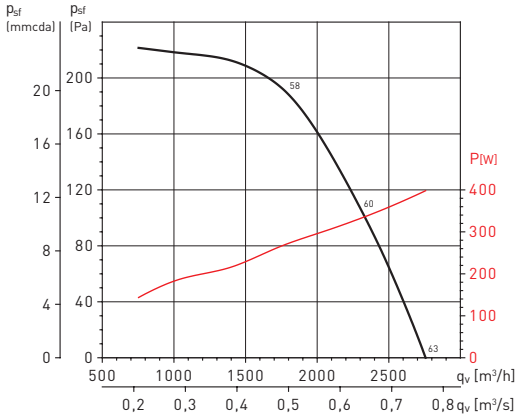

CMPB-CMPT/6-23



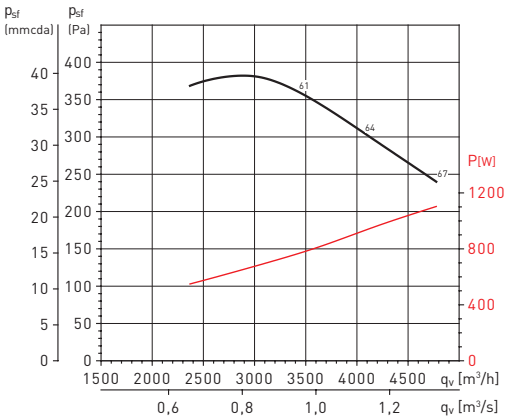

CMPB-CMPT/6-25



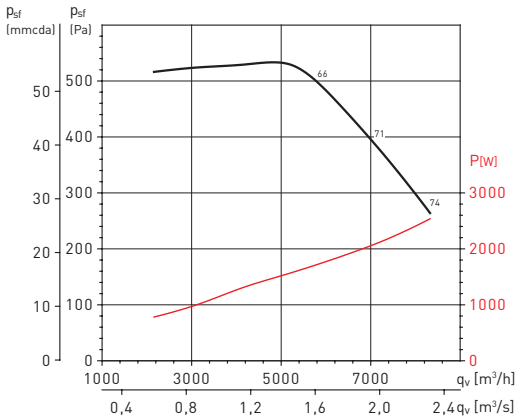

CMPB-CMPT/6-30




CMPT/6-35

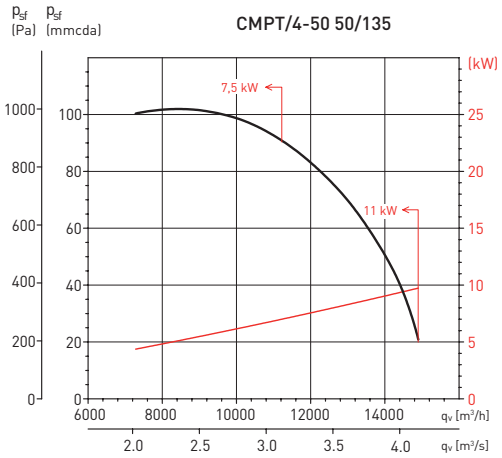


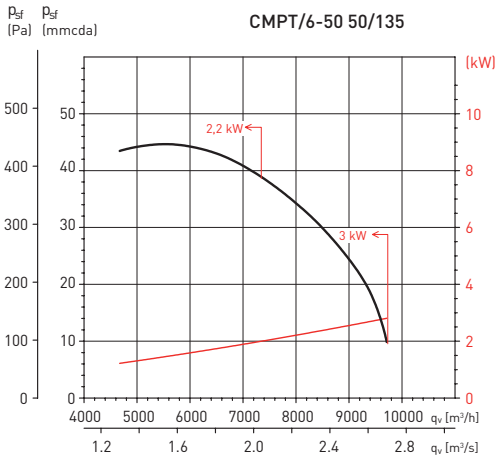

CMPT/6-42

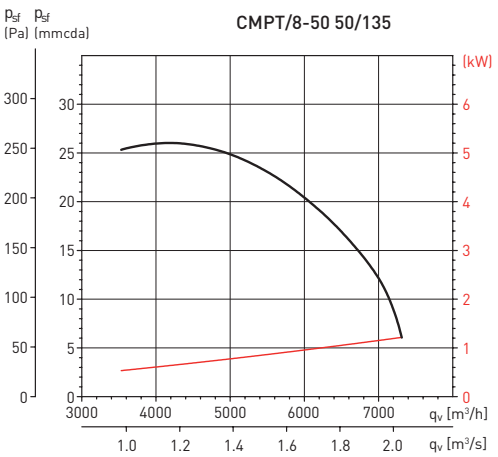


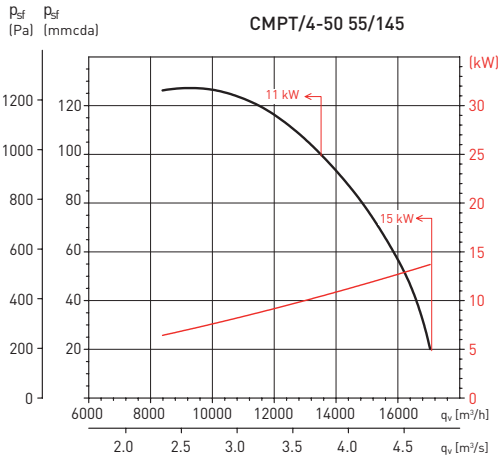
## CURVAS CARACTERÍSTICAS

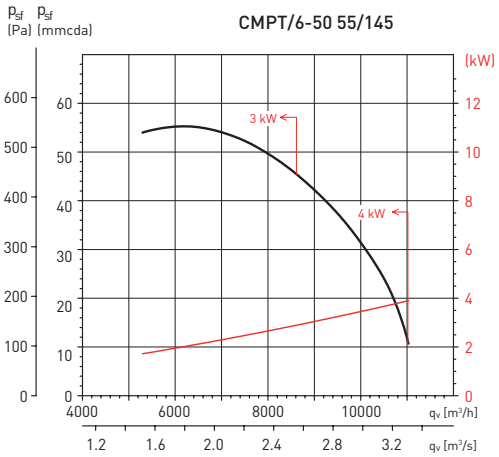
- $q_v$: Caudal en $m^3/h$ y $m^3/s$
- $p_{sf}$: Presión estática en mmcda y Pa
- Aire seco normal a 20°C y 760 mmHg
- Ensayos realizados de acuerdo a Norma ISO 5801 y AMCA 210-99
- Nivel de presión sonora medido en dB(A), a 1,5 m de la aspiración, en campo libre



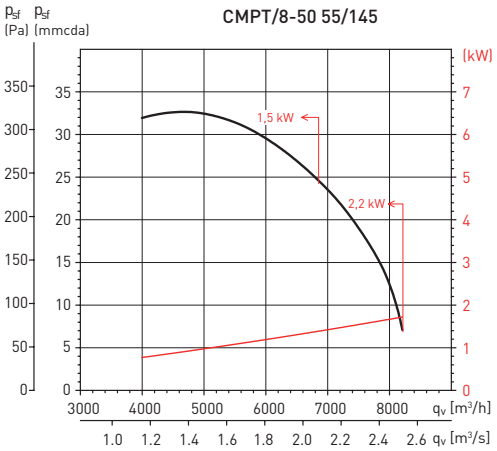



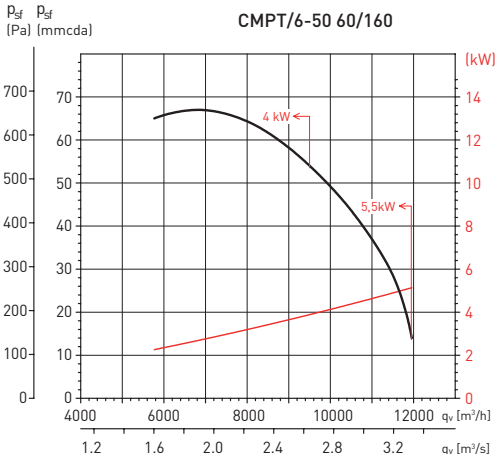



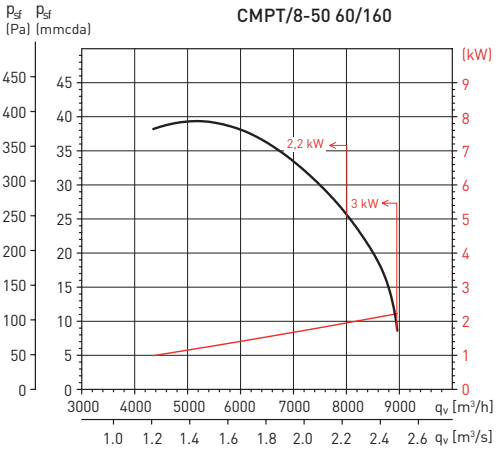



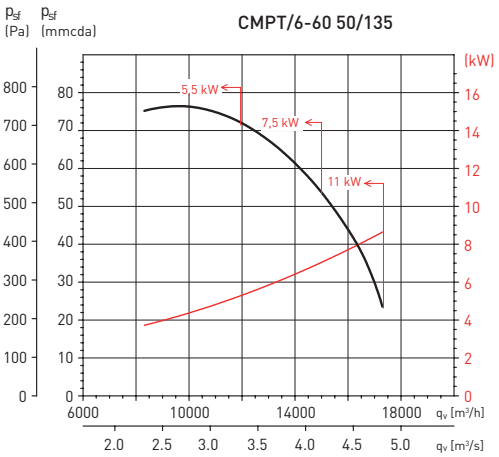
## CURVAS CARACTERÍSTICAS

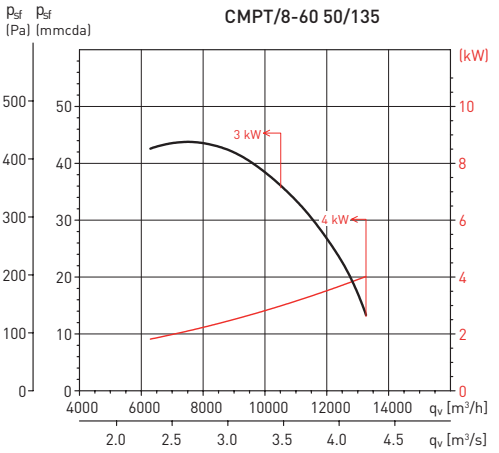
- $q_v$: Caudal en $m^3/h$ y $m^3/s$
- $p_{sf}$: Presión estática en mmcda y Pa
- Aire seco normal a 20°C y 760 mmHg
- Ensayos realizados de acuerdo a Norma ISO 5801 y AMCA 210-99
- Nivel de presión sonora medido en dB(A), a 1,5 m de la aspiración, en campo libre



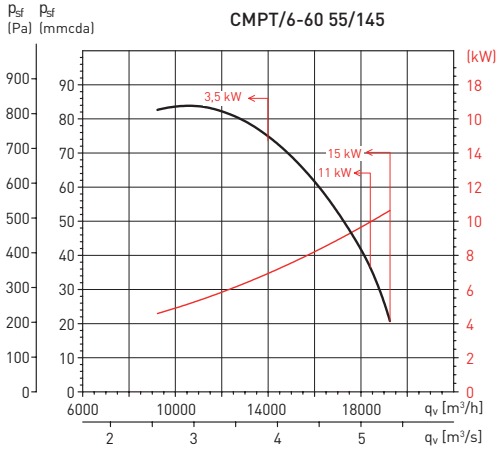



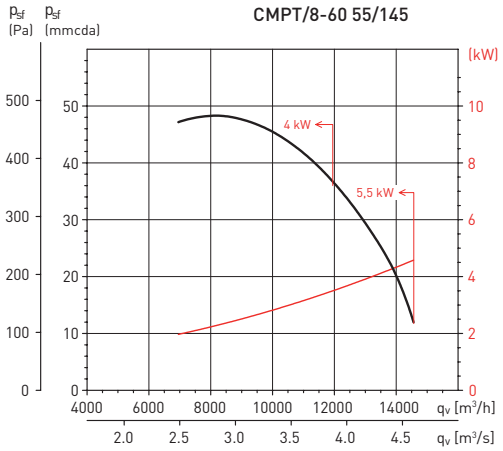
## CURVAS CARACTERÍSTICAS

- $q_v$: Caudal en $m^3/h$ y $m^3/s$
- $p_{sf}$: Presión estática en mmcda y Pa
- Aire seco normal a 20°C y 760 mmHg
- Ensayos realizados de acuerdo a Norma ISO 5801 y AMCA 210-99
- Nivel de presión sonora medido en dB(A), a 1,5 m de la aspiración, en campo libre

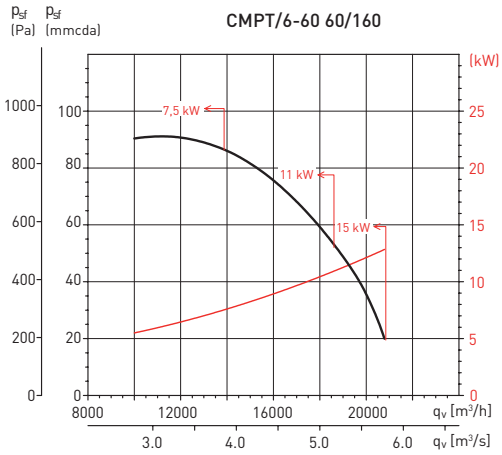
CMPT/6-60 55/145



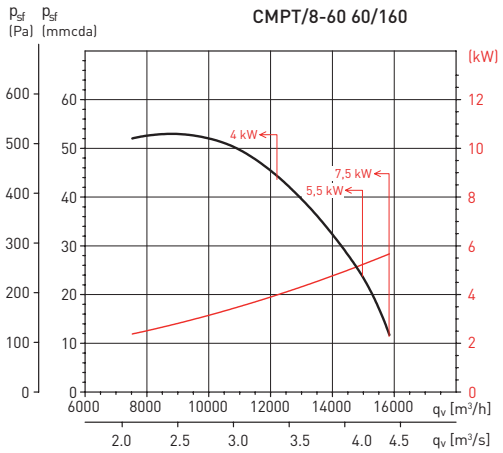

CMPT/8-60 55/145



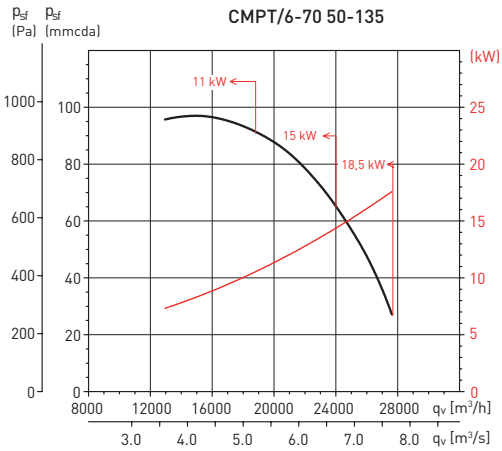

CMPT/6-60 60/160




CMPT/8-60 60/160

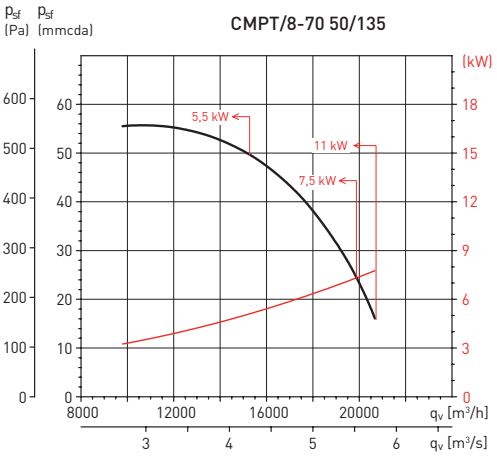


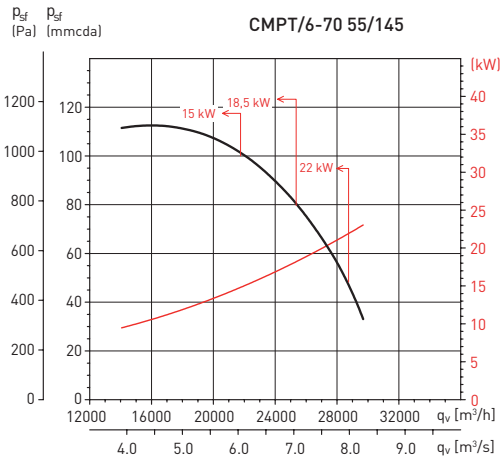

CMPT/6-70 50-135

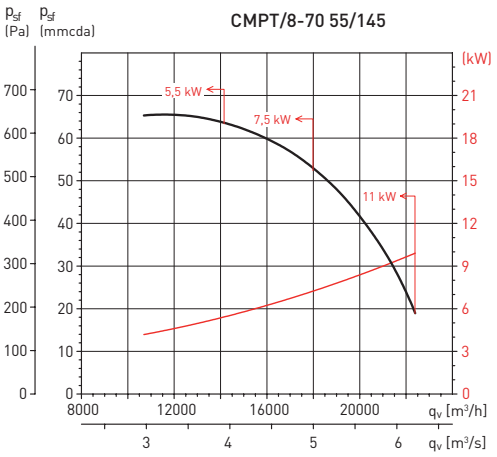


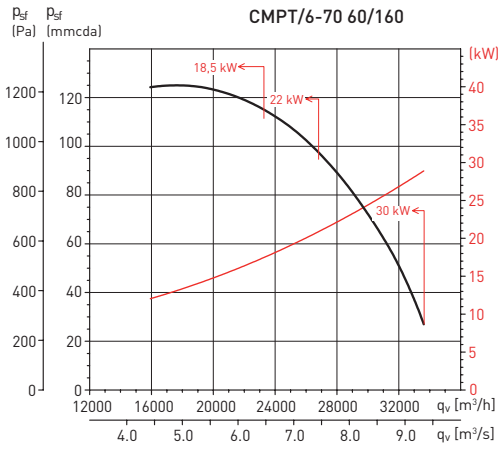
## CURVAS CARACTERÍSTICAS

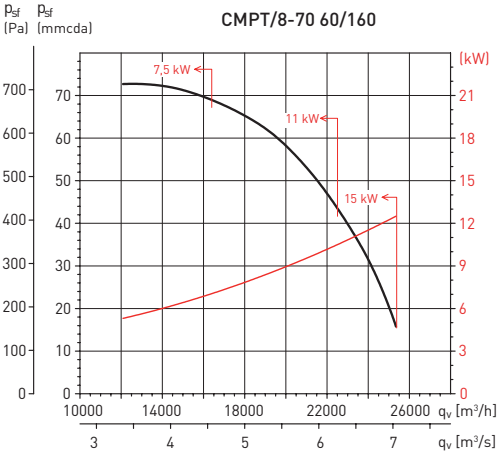
- $q_v$: Caudal en $m^3/h$ y $m^3/s$
- $p_{sf}$: Presión estática en mmcda y Pa
- Aire seco normal a 20°C y 760 mmHg
- Ensayos realizados de acuerdo a Norma ISO 5801 y AMCA 210-99
- Nivel de presión sonora medido en dB(A), a 1,5 m de la aspiración, en campo libre



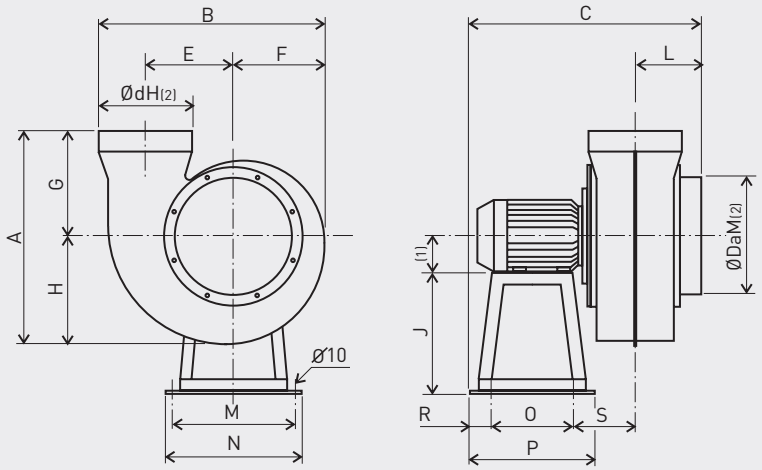



## DIMENSIONES (mm)

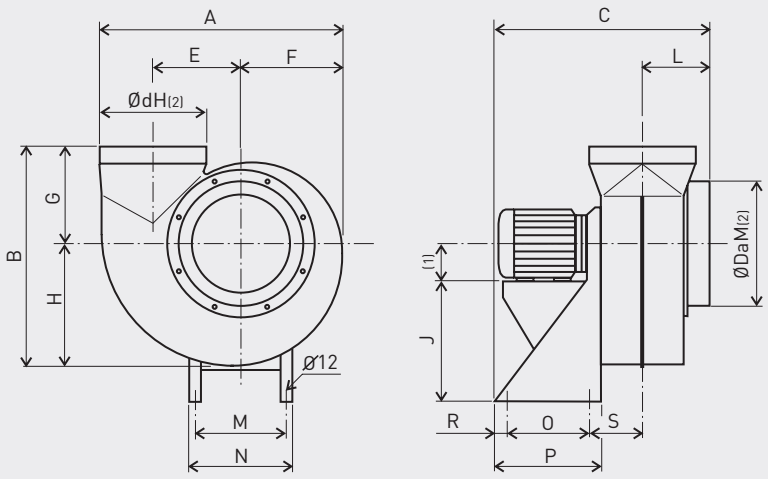
CMPB/CMPT-14, 20, 23, 24, 25, 25M




(1) Tamaño motor: para dimensión, ver cuadro de características
(2) M: Brida macho, H: Brida hembra

| Modelo | A | B | C | Da | E | F | G | H | J | L | M | N | O | P | R | S | a | b | d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CMPB/CMPT-14 | 325 | 284 | 332 | 125 | 103 | 118 | 189 | 136 | 130 | 87 | 175 | 200 | 130 | 200 | 35 | 80 | - | - | 125 |
| CMPB/CMPT-20 | 501 | 418 | 420 | 200 | 148 | 170 | 300 | 201 | 200 | 120 | 215 | 240 | 170 | 240 | 35 | 95 | - | - | 200 |
| CMPB/CMPT-23 | 456 | 485 | 505 | 250 | 183 | 202 | 220 | 236 | 250 | 145 | 255 | 280 | 175 | 280 | 53 | 132 | - | - | 200 |
| CMPB/CMPT-24 | 570 | 520 | 487 | 250 | 185 | 210 | 320 | 250 | 250 | 129 | 255 | 280 | 175 | 280 | 53 | 130 | - | - | 250 |
| CMPB/CMPT-25 | 570 | 520 | 487 | 250 | 185 | 210 | 320 | 250 | 250 | 129 | 255 | 280 | 175 | 280 | 53 | 130 | - | - | 250 |
| CMPB/CMPT-25M | 456 | 485 | 505 | 250 | 183 | 202 | 220 | 236 | 250 | 145 | 255 | 280 | 175 | 280 | 53 | 132 | - | - | 200 |

CMPB/CMPT-30

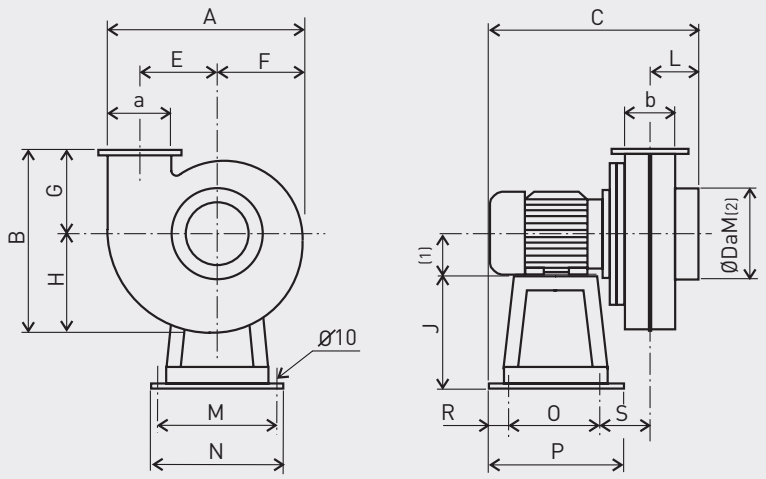



(1) Tamaño motor: para dimensión, ver cuadro de características
(2) M: Brida macho, H: Brida hembra

| Modelo | A | B | C | Da | E | F | G | H | J | L | M | N | O | P | R | S | a | b | d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CMPB/CMPT-30 | 598 | 545 | 565 | 315 | 222 | 251 | 245 | 300 | 310 | 185 | 234 | 260 | 175 | 275 | 50 | 155 | - | - | 250 |

## DIMENSIONES (mm)

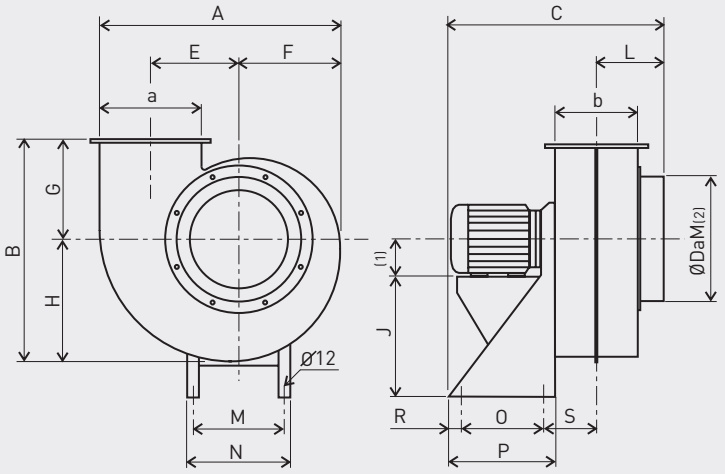
CMPB/CMPT-20A, 25A




(1) Tamaño motor: para dimensión, ver cuadro de características
(2) M: Brida macho

| Modelo | A | B | C | Da | E | F | G | H | J | L | M | N | O | P | R | S | a | b | d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CMPB/CMPT-20A | 349 | 325 | 370 | 160 | 140 | 157 | 148 | 177 | 200 | 85 | 215 | 240 | 170 | 240 | 35 | 80 | 105 | 90 | - |
| CMPB/CMPT-25A | 433 | 394 | 444 | 160 | 175 | 193 | 175 | 219 | 250 | 104 | 255 | 280 | 175 | 280 | 53 | 112 | 130 | 115 | - |

CMPB/CMPT-30A, 35, CMPT 42

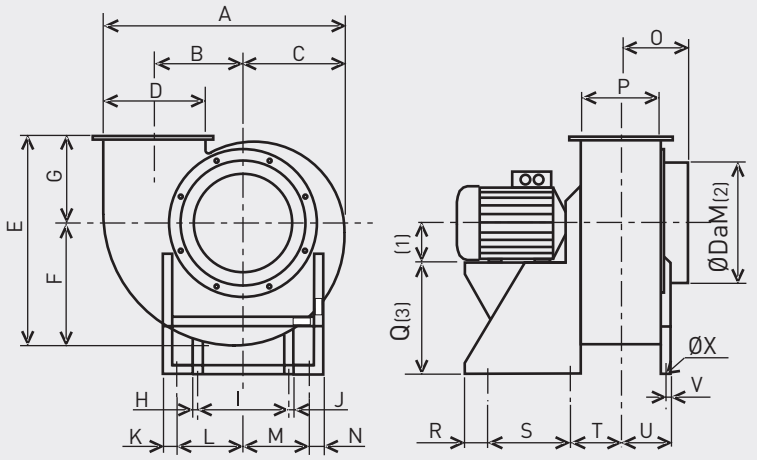



(1) Tamaño motor: para dimensión, ver cuadro de características
(2) M: Brida macho

| Modelo | A | B | C | Da | E | F | G | H | J | L | M | N | O | P | R | S | a | b | d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CMPB/CMPT-30A | 525 | 494 | 510 | 200 | 211 | 237 | 225 | 269 | 310 | 155 | 234 | 260 | 175 | 275 | 50 | 130 | 155 | 140 | - |
| CMPB/CMPT-35 | 696 | 626 | 660 | 355 | 259 | 297 | 275 | 353 | 320 | 210 | 285 | 380 | 200 | 300 | 50 | 170 | 280 | 225 | - |
| CMPT-42 | 835 | 724 | 810 | 400 | 310 | 357 | 300 | 424 | 410 | 245 | 315 | 350 | 250 | 350 | 50 | 197 | 335 | 270 | - |

## DIMENSIONES (mm)

CMPT-50, 60, 70




(1) Tamaño motor: para dimensión, ver cuadro de características
(2) M: Brida macho
(3) Esta dimensión es diferente en versión RD/LG270

| Modelo | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | X | Da |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CMPT-50 | 993 | 370 | 423 | 400 | 861 | 503 | 358 | 20 | 380 | 20 | 60 | 275 | 275 | 60 | 280 | 320 | 470 | 60 | 360 | 231 | 201 | 20 | 14 | 500 |
| CMPT-60 | 1191 | 444 | 507 | 480 | 1029 | 603 | 426 | 25 | 450 | 25 | 60 | 355 | 355 | 60 | 325 | 385 | 540 | 60 | 360 | 270 | 250 | 25 | 14 | 600 |
| CMPT-70 | 1387 | 518 | 483 | 560 | 1193 | 701 | 492 | 25 | 520 | 25 | 70 | 385 | 385 | 70 | 365 | 450 | 700 | 70 | 350 | 310 | 285 | 25 | 14 | 700 |

## ACCESORIOS

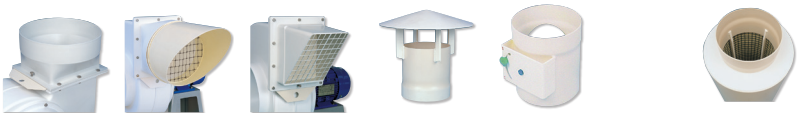
A la aspiración

| Modelo | Ø Aspiración | Cubremotor | Acoplamiento elástico | Compuerta (aspiración) | Silenciador (aspiración) | Defensa aspiración |
|---|---|---|---|---|---|---|
| CMPB/CMPT-14 | 125 | CMP-14 PVC | MFP-125-N | CARP-125-N | SILP-125 | DEF.CIR 12 |
| CMPB/CMPT-20A | 160 | CMP-20 PP | MFP-160-N | CARP-160-N | SILP-160 | DEF.CIR 16 |
| CMPB/CMPT-25A | 160 | CMP-25 PP | MFP-160-N | CARP-160-N | SILP-160 | DEF.CIR 16 |
| CMPB/CMPT-30A | 200 | CMP-30 PP | MFP-200-N | CARP-200-N | SILP-200 | DEF.CIR 20 |
| CMPB/CMPT-20 | 200 | CMP-20 PVC | MFP-200-N | CARP-200-N | SILP-200 | DEF.CIR 20 |
| CMPB/CMPT-23 | 250 | CMP-25 PVC | MFP-250-N | CARP-250-N | SILP-250 | DEF.CIR 25 |
| CMPB/CMPT-24 | 250 | CMP-25 PVC | MFP-250-N | CARP-250-N | SILP-250 | DEF.CIR 25 |
| CMPB/CMPT-25 | 250 | CMP-25 PVC | MFP-250-N | CARP-250-N | SILP-250 | DEF.CIR 25 |
| CMPB/CMPT-25M | 250 | CMP-25 PP | MFP-250-N | CARP-250-N | SILP-250 | DEF.CIR 25 |
| CMPB/CMPT-30 | 315 | CMP-30 PVC | MFP-315-N | CARP-315-N | SILP-315 | DEF.CIR 30 |
| CMPB/CMPT-35 | 355 | CMP-35 PVC | MFP-355-N | REP-400/355+CARP-400-N | SILP-355 | DEF.CIR 35 |
| CMPT-42 | 400 | CMP-42 PVC | MFP-400-N | CARP-400-N | SILP-400 | DEF.CIR 40 |
| CMPT-50 | 500 | CMP-50 PVC | MFP-500-N | - | SILP-500 | DEF.CIR 50 |
| CMPT-60 | 600 | CMP-60 PVC | MFP-600-N | - | - | DEF.CIR 60 |
| CMPT-70 | 700 | CMP-70 PVC | MFP-700-N | - | - | DEF.CIR 70 |



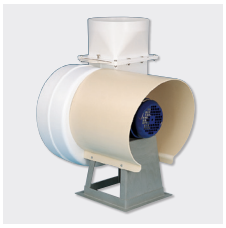
A la descarga

| Modelo | Ø Descarga | Acoplamiento rectangular | Visera circular | Visera rectangular | Sombrerete | Compuerta (descarga) | Silenciador (descarga) |
|---|---|---|---|---|---|---|---|
| CMPB/CMPT-14 | 125 | - | APP-125-N | - | CTP-125-N | CARP-125-N | SILP-125 |
| CMPB/CMPT-20A | 105x90* | ACP-20A-N | - | APR-20A | CTP-160-N (+ ACP-20A-N) | CARP-160-N (+ ACP-20A-N)** | SILP-160-N (+ ACP-20A-N)** |
| CMPB/CMPT-25A | 130x115* | ACP-25A-N | - | APR-25A | CTP-160-N (+ACP-25A-N) | CARP-160-N (+ACP-25A-N)** | SILP-160-N (+ACP-25A-N)** |
| CMPB/CMPT-30A | 155x140* | ACP-30A-N | - | APR-30A | CTP-200-N (+ACP-30A-N) | CARP-200-N (+ACP-30A-N)** | SILP-200-N (+ACP-30A-N)** |
| CMPB/CMPT-20 | 200 | - | APP-200-N | - | CTP-200-N | CARP-200-N | SILP-200 |
| CMPB/CMPT-23 | 200 | - | APP-200-N | - | CTP-200-N | CARP-200-N | SILP-200 |
| CMPB/CMPT-24 | 250 | - | APP-250-N | - | CTP-250-N | CARP-250-N | SILP-250 |
| CMPB/CMPT-25 | 250 | - | APP-250-N | - | CTP-250-N | CARP-250-N | SILP-250 |
| CMPB/CMPT-25M | 200 | - | APP-200-N | - | CTP-200-N | CARP-200-N | SILP-200 |
| CMPB/CMPT-30 | 250 | - | APP-250-N | - | CTP-250-N | CARP-250-N | SILP-250 |
| CMPB/CMPT-35 | 280x225* | ACP-35-N | - | APR-35 | CTP-400-N (+ REP-400/355 + ACP-35-N) | CARP-400-N (+ REP-400/355 + ACP-35-N)** | SILP-355 (+ ACP-35-N)** |
| CMPT-42 | 335x270* | ACP-42-N | - | APR-42 | CTP-400-N (+ ACP-42-N) | CARP-400-N (+ ACP-42-N)** | SILP-400 (+ ACP-42-N)** |
| CMPT-50 | 400x320* | ACP-50-N | - | APR-50 | CTP-500-N (+ ACP-50-N) | - | SILP-500 (+ ACP-50-N)** |
| CMPT-60 | 480x385* | ACP-60-N | - | APR-60 | - | - | - |
| CMPT-70 | 560x450* | ACP-70-N | - | APR-70 | - | - | - |



* Sección rectangular en la descarga del ventilador (axb)
** Accesorios que necesitan el acoplamiento rectangular-circular para conectarse a la descarga

## ACCESORIOS



CMP-14 a 42

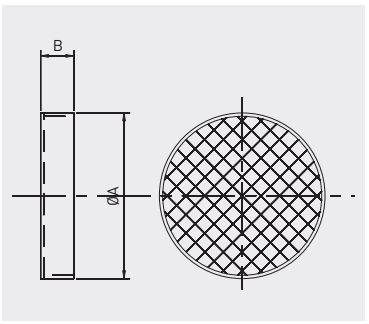


CMP-50, 60, 70

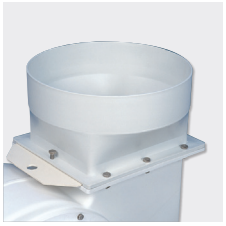
**CMP**
Cubremotor.
Protege el motor de los agentes atmosféricos.



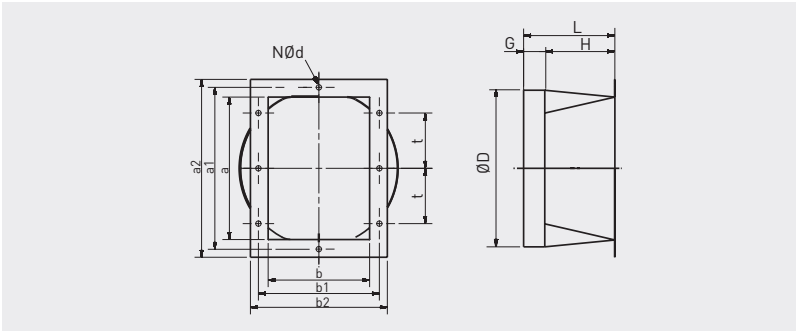
**DEF-CIR**
Defensa circular de aspiración. Protege de contactos con el rodete del ventilador.




| Modelo | A | B |
|---|---|---|
| DEF.CIR 12 | 125 | 50 |
| DEF.CIR 16 | 160 | 50 |
| DEF.CIR 20 | 200 | 50 |
| DEF.CIR 25 | 250 | 50 |
| DEF.CIR 30 | 315 | 55 |
| DEF.CIR 35 | 355 | 80 |
| DEF.CIR 40 | 400 | 90 |
| DEF.CIR 50 | 500 | 130 |
| DEF.CIR 60 | 600 | 130 |
| DEF.CIR 70 | 700 | 130 |

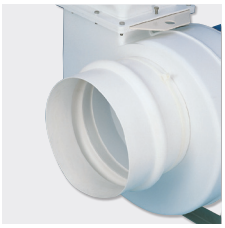


**ACP-N**
Acoplamientos rectangulares-circulares de descarga con compuerta manual para la regulación del caudal.




| Modelo | a | b | a1 | b1 | a2 | b2 | t | N | d | D | G | H | L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ACP-20A-N | 105 | 90 | 130 | 120 | 150 | 140 | 90 | 6 | 9 | 160 | 40 | 80 | 120 |
| ACP-25A-N | 130 | 115 | 160 | 160 | 180 | 180 | 80 | 8 | 7 | 160 | 50 | 70 | 120 |
| ACP-30A-N | 155 | 140 | 200 | 186 | 221 | 210 | 100/93 | 8 | 9 | 200 | 50 | 215 | 265 |
| ACP-35-N | 280 | 225 | 326 | 275 | 356 | 305 | 100 | 12 | 9 | 355 | 60 | 150 | 210 |
| ACP-42-N | 335 | 270 | 381 | 322 | 421 | 362 | 100 | 14 | 9 | 400 | 70 | 160 | 230 |
| ACP-50-N | 400 | 320 | 456 | 386 | 496 | 426 | 100 | 16 | 9 | 500 | 70 | 160 | 230 |
| ACP-60-N | 480 | 385 | 536 | 455 | 586 | 505 | 100 | 16 | 9 | 600 | 70 | 390 | 460 |
| ACP-70-N | 560 | 450 | 616 | 520 | 666 | 570 | 100 | 16 | 11 | 700 | 70 | 390 | 460 |

## ACCESORIOS



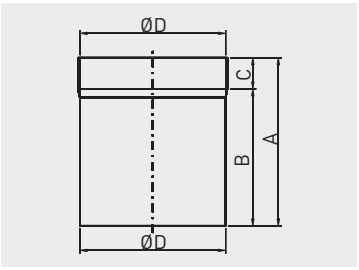
**MFP-N**
Acoplamiento elástico circular de aspiración. Evita la transmisión de vibraciones a la instalación.

| Modelo | Ø (mm) |
|---|---|
| MFP-125-N | 125 |
| MFP-160-N | 160 |
| MFP-200-N | 200 |
| MFP-250-N | 250 |
| MFP-315-N | 315 |

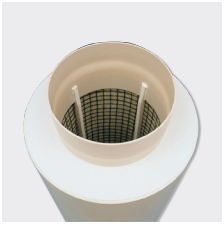
| Modelo | Ø (mm) |
|---|---|
| MFP-355-N | 355 |
| MFP-400-N | 400 |
| MFP-500-N | 500 |
| MFP-600-N | 600 |
| MFP-700-N | 700 |



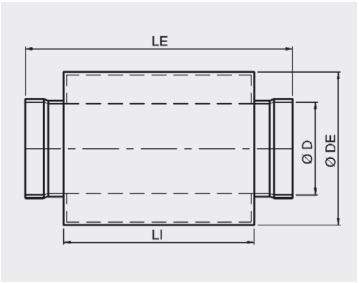
**CARP-N**
Registro de regulación manual.




| Modelo | A | B | C | D |
|---|---|---|---|---|
| CARP-125-N | 190 | 150 | 40 | 125 |
| CARP-160-N | 240 | 190 | 50 | 160 |
| CARP-200-N | 240 | 190 | 50 | 200 |
| CARP-250-N | 300 | 250 | 50 | 250 |
| CARP-315-N | 400 | 340 | 60 | 315 |
| CARP-400-N | 450 | 390 | 60 | 400 |



**SILP**
Silenciador circular. Atenuador acústico de aspiración o descarga. Puede trabajar en posición horizontal o vertical.




| Modelo | D | DE | LI | LE |
|---|---|---|---|---|
| SILP-125 | 125 | 250 | 500 | 700 |
| SILP-160 | 160 | 315 | 500 | 700 |
| SILP-200 | 200 | 355 | 500 | 700 |
| SILP-250 | 250 | 400 | 500 | 700 |
| SILP-315 | 315 | 500 | 750 | 950 |
| SILP-355 | 355 | 600 | 750 | 950 |
| SILP-400 | 400 | 700 | 1000 | 1200 |
| SILP-500 | 500 | 800 | 1000 | 1200 |

**Atenuación acústica dB(A)**

| Modelo | 63 Hz | 125 Hz | 250 Hz | 500 Hz | 1 kHz | 2 kHz | 4 kHz | 8 kHz |
|---|---|---|---|---|---|---|---|---|
| SILP-125 | - | 1 | 4 | 8 | 13 | 12 | 7 | 4 |
| SILP-160 | - | 1 | 4 | 8 | 13 | 12 | 7 | 4 |
| SILP-200 | 1 | 2 | 5 | 9 | 13 | 12 | 7 | 5 |
| SILP-250 | 3 | 2 | 6 | 10 | 13 | 12 | 8 | 6 |
| SILP-315 | 2 | 3 | 7 | 10 | 13 | 12 | 9 | 9 |
| SILP-355 | 2 | 3 | 8 | 11 | 14 | 11 | 7 | 8 |
| SILP-400 | 3 | 3 | 8 | 11 | 14 | 11 | 7 | 7 |
| SILP-500 | 2 | 4 | 9 | 12 | 18 | 13 | 7 | 7 |

# CMPT ATEX

## VENTILADORES CENTRÍFUGOS DE MEDIA PRESIÓN

*ACOPLAMIENTO DIRECTO*



Configuración descarga rectangular



Configuración descarga circular

Ventiladores centrífugos de simple aspiración, capacitados para trasegar gases corrosivos en atmósferas explosivas, fabricados con carcasa de polipropileno antiestático inyectado, rodete de álabes hacia adelante de polipropileno antiestático, soporte motor, junta anticorrosiva antifuga de gases y tornillería de acero inoxidable, motor IP55, Clase F, para trabajar a temperaturas entre -10 y 50ºC.

**Motores**
De 2, 4, 6 o 8 polos, según modelos.
Tensión de alimentación:
Trifásicos 230/400V-50Hz
(Ver cuadro de características).

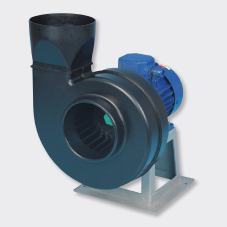
**Otros datos**
Voluta con 8 distintas orientaciones posibles.
Orientación estándar LG0.
Material del soporte motor:
- Nylon (modelos 14 a 25)
- Polipropileno (modelos 30 y 35)
- Chapa de acero (modelo 42)

**Bajo demanda**
- Motores de 2 velocidades.

**Versiones ATEX**
Ventiladores diseñados según la Directiva ATEX para modelos trifásicos.
Para trabajar a temperaturas de -10ºC a +40ºC.
Motor IP55, Clase F.
- ATEX Antideflagrantes - Gas:
  Ⓔx II 2G Ex d IIB T4
  Ⓔx II 2G Ex d IIB+H2 T4
  (con motor Ex d IIC T4)

Para seleccionar modelos CMPT ATEX, ver las curvas características, o bien el programa de selección de producto EASYVENT.
Los datos eléctricos de los modelos ATEX pueden variar respecto a los datos indicados en las tablas características.

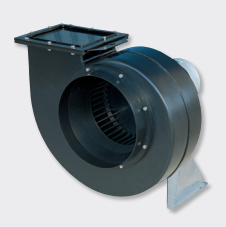
# CMPT ATEX



**Descarga circular**
Para modelos hasta CMPT-14, CMPT-20 y CMPT-25.



**Descarga rectangular**
Para modelos CMPT-30, CMPT-35, CMPT-42 y CMPT-20A. Bajo pedido, los modelos CMPT-14, CMPT-20 y CMPT-25 también están disponibles con descarga rectangular.

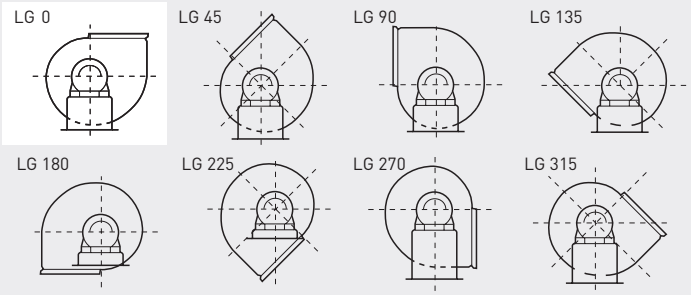


**Diseño robusto y de calidad**
Voluta de polipropileno antiestático de gran espesor que proporciona gran robustez. Tornillería de acero inoxidable.



**Rodete equilibrado dinámicamente**
Rodete de polipropileno antiestático, de álabes hacia adelante, de perfecto acabado y equilibrado dinámicamente, según norma ISO 1940.

## ORIENTACIONES




Orientación estándar: LG0. El resto de las orientaciones se fabrican bajo demanda.

## CARACTERÍSTICAS TÉCNICAS

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación

| Modelo | Velocidad (r.p.m.) | Tamaño motor (mm) | Potencia motor (kW) | Intensidad máxima absorbida (A)* | | Caudal máximo (m³/h) | Nivel presión sonora (dB(A)** | Peso (kg) |
|---|---|---|---|---|---|---|---|---|
| | | | | 230 V | 400 V | | | |
| TRIFÁSICOS 2 POLOS | | | | | | | | |
| CMPT/2-14-0,18 EXDIIBT4 | 2900 | 63 | 0,18 | 0,97 | 0,56 | 730 | 60 | 4 |
| CMPT/2-20-1,1 EXDIIBT4 | 2900 | 80 | 1,1 | 4,33 | 2,5 | 2.100 | 72 | 13 |
| CMPT/2-20A-0,55 EXDIIBT4 | 2900 | 71 | 0,55 | 2,34 | 1,35 | 900 | 68 | 11 |
| TRIFÁSICOS 4 POLOS | | | | | | | | |
| CMPT/4-14-0,18 EXDIIBT4 | 1450 | 63 | 0,18 | 1,09 | 0,63 | 350 | 45 | 4 |
| CMPT/4-20-0,18 EXDIIBT4 | 1450 | 63 | 0,18 | 1,09 | 0,63 | 1.220 | 60 | 8 |
| CMPT/4-25-0,55 EXDIIBT4 | 1450 | 80 | 0,55 | 2,42 | 1,4 | 2.680 | 60 | 15 |
| CMPT/4-30-1,1 EXDIIBT4 | 1450 | 90 | 1,1 | 4,49 | 2,59 | 4.240 | 69 | 29 |
| CMPT/4-35-3 EXDIIBT4 | 1450 | 100 | 3 | 11,22 | 6,48 | 6.470 | 72 | 48 |
| CMPT/4-42-5,5 EXDIIBT4 | 1450 | 132 | 5,5 | – | 11,1 | 8.500 | 75 | 88 |
| CMPT/4-42-7,5 EXDIIBT4 | 1450 | 132 | 7,5 | – | 14,8 | 11.220 | 80 | 102 |
| CMPT/4-20A-0,25 EXDIIBT4 | 1450 | 71 | 0,25 | 1,09 | 0,63 | 530 | 54 | 9 |
| TRIFÁSICOS 6 POLOS | | | | | | | | |
| CMPT/6-20-0,09 EXDIIBT4 | 950 | 71 | 0,09 | 1,11 | 0,64 | 850 | 51 | 8 |
| CMPT/6-25-0,37 EXDIIBT4 | 950 | 80 | 0,37 | 1,11 | 0,64 | 1.810 | 51 | 13 |
| CMPT/6-30-0,37 EXDIIBT4 | 950 | 80 | 0,37 | 1,8 | 1,04 | 2.760 | 60 | 25 |
| CMPT/6-35-1,5 EXDIIBT4 | 950 | 100 | 1,5 | 5,63 | 3,25 | 4.780 | 64 | 42 |
| CMPT/6-42-3 EXDIIBT4 | 950 | 132 | 3 | 11,95 | 6,9 | 8.330 | 71 | 88 |

* Nivel de presión sonora, medido a 1,5m en campo libre.
**Presión sonora medida a una distancia de 1,5 m del ventilador en q=2/3*Qmax

## CARACTERÍSTICAS ACÚSTICAS

Espectros de potencias sonoras en dB(A) por banda de frecuencia en (Hz)

| Modelo | | | Espectro de potencias | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 63 Hz | 125 Hz | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz | 8000 Hz | LwA |
| 2 POLOS | | | | | | | | | | | |
| Modelos 2-14 | Aspiración | B | 47 | 52 | 68 | 67 | 73 | 73 | 71 | 66 | 78 |
| | | M | 51 | 49 | 66 | 64 | 69 | 69 | 66 | 61 | 74 |
| | | H | 52 | 49 | 65 | 63 | 68 | 68 | 64 | 60 | 73 |
| | Descarga | B | 51 | 52 | 64 | 75 | 82 | 73 | 72 | 67 | 84 |
| | | M | 51 | 50 | 62 | 72 | 80 | 70 | 69 | 64 | 81 |
| | | H | 52 | 48 | 61 | 69 | 75 | 67 | 66 | 61 | 77 |
| Modelos 2-20 | Aspiración | M | 45 | 58 | 68 | 75 | 81 | 83 | 80 | 76 | 87 |
| | | H | 47 | 60 | 70 | 75 | 79 | 80 | 77 | 74 | 85 |
| | Descarga | M | 47 | 58 | 69 | 79 | 82 | 85 | 81 | 77 | 89 |
| | | H | 47 | 56 | 71 | 81 | 80 | 83 | 78 | 75 | 87 |
| Modelos 2-20A | Aspiración | M | 53 | 57 | 69 | 71 | 81 | 72 | 69 | 65 | 82 |
| | | H | 52 | 56 | 68 | 70 | 80 | 71 | 68 | 64 | 81 |
| | Descarga | M | 60 | 54 | 67 | 79 | 91 | 73 | 69 | 63 | 91 |
| | | H | 60 | 55 | 67 | 79 | 91 | 72 | 68 | 63 | 91 |
| 4 POLOS | | | | | | | | | | | |
| Modelos 4-14 | Aspiración | B | 32 | 37 | 53 | 52 | 58 | 58 | 56 | 51 | 63 |
| | | M | 36 | 34 | 51 | 49 | 54 | 54 | 51 | 46 | 59 |
| | | H | 37 | 34 | 50 | 48 | 53 | 53 | 49 | 45 | 58 |
| | Descarga | B | 36 | 37 | 49 | 60 | 67 | 58 | 57 | 52 | 69 |
| | | M | 36 | 35 | 47 | 57 | 65 | 55 | 54 | 49 | 66 |
| | | H | 37 | 33 | 46 | 54 | 60 | 52 | 51 | 46 | 62 |
| Modelos 4-20 | Aspiración | B | 43 | 56 | 66 | 71 | 73 | 69 | 65 | 62 | 77 |
| | | M | 37 | 47 | 59 | 69 | 70 | 65 | 62 | 57 | 74 |
| | | H | 37 | 48 | 59 | 66 | 66 | 60 | 56 | 51 | 70 |
| | Descarga | B | 41 | 50 | 63 | 75 | 73 | 69 | 66 | 63 | 78 |
| | | M | 37 | 45 | 58 | 72 | 70 | 65 | 63 | 59 | 75 |
| | | H | 38 | 44 | 59 | 70 | 65 | 61 | 58 | 58 | 72 |
| Modelos 4-20A | Aspiración | B | 38 | 42 | 55 | 57 | 68 | 58 | 55 | 51 | 69 |
| | | M | 38 | 42 | 54 | 56 | 66 | 57 | 54 | 50 | 67 |
| | | H | 37 | 41 | 53 | 55 | 65 | 56 | 53 | 49 | 66 |
| | Descarga | B | 44 | 41 | 51 | 67 | 77 | 61 | 56 | 50 | 78 |
| | | M | 45 | 39 | 52 | 64 | 76 | 58 | 54 | 48 | 76 |
| | | H | 45 | 40 | 52 | 64 | 76 | 57 | 53 | 48 | 76 |
| Modelos 4-25 | Aspiración | B | 46 | 59 | 65 | 71 | 77 | 71 | 70 | 66 | 80 |
| | | M | 43 | 56 | 63 | 67 | 73 | 67 | 66 | 62 | 76 |
| | | H | 50 | 57 | 59 | 63 | 69 | 63 | 62 | 57 | 72 |
| | Descarga | B | 49 | 58 | 65 | 76 | 79 | 76 | 75 | 71 | 83 |
| | | M | 45 | 54 | 62 | 73 | 76 | 71 | 70 | 66 | 79 |
| | | H | 48 | 53 | 59 | 69 | 69 | 63 | 63 | 58 | 73 |
| Modelos 4-30 | Aspiración | B | 53 | 71 | 73 | 81 | 81 | 78 | 76 | 72 | 86 |
| | | M | 52 | 66 | 69 | 78 | 78 | 75 | 73 | 69 | 83 |
| | | H | 54 | 64 | 65 | 76 | 77 | 73 | 71 | 66 | 81 |
| | Descarga | B | 54 | 65 | 75 | 82 | 82 | 79 | 77 | 72 | 87 |
| | | M | 53 | 63 | 71 | 79 | 80 | 76 | 74 | 69 | 84 |
| | | H | 51 | 59 | 68 | 76 | 76 | 73 | 71 | 65 | 81 |
| Modelos 4-25A | Aspiración | M | 54 | 66 | 70 | 80 | 83 | 80 | 79 | 73 | 87 |
| | | H | 55 | 68 | 70 | 78 | 80 | 77 | 75 | 70 | 84 |
| | Descarga | M | 57 | 66 | 74 | 81 | 86 | 82 | 80 | 72 | 89 |
| | | H | 57 | 66 | 74 | 80 | 84 | 78 | 76 | 69 | 87 |
| Modelos 4-42 | Aspiración | M | 60 | 72 | 79 | 87 | 90 | 88 | 85 | 81 | 94 |
| | | H | 66 | 71 | 74 | 82 | 84 | 82 | 80 | 75 | 89 |
| | Descarga | M | 66 | 73 | 82 | 88 | 92 | 89 | 86 | 79 | 96 |
| | | H | 67 | 71 | 79 | 82 | 85 | 83 | 80 | 72 | 89 |

## CARACTERÍSTICAS ACÚSTICAS

Espectros de potencias sonoras en dB(A) por banda de frecuencia en (Hz)

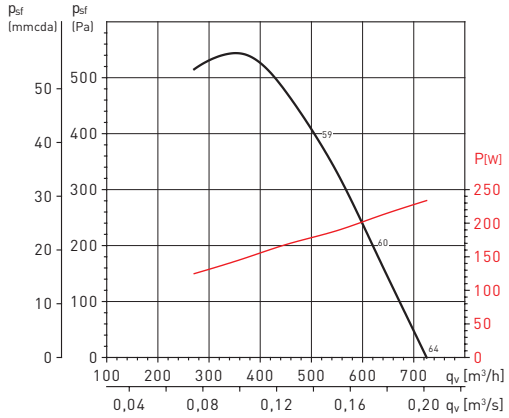
| Modelo | | | Espectro de potencias | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 63 Hz | 125 Hz | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz | 8000 Hz | LwA |
| 6 POLOS | | | | | | | | | | | |
| Modelos 6-20 | Aspiración | B | 26 | 39 | 48 | 56 | 62 | 63 | 62 | 58 | 68 |
| | | M | 21 | 34 | 44 | 51 | 57 | 59 | 56 | 52 | 63 |
| | | H | 23 | 36 | 46 | 51 | 55 | 56 | 53 | 50 | 61 |
| | Descarga | B | 29 | 38 | 48 | 59 | 62 | 65 | 62 | 58 | 69 |
| | | M | 23 | 34 | 45 | 55 | 58 | 61 | 57 | 53 | 65 |
| | | H | 23 | 32 | 47 | 57 | 56 | 59 | 54 | 51 | 63 |
| Modelos 6-25 | Aspiración | B | 37 | 50 | 56 | 62 | 68 | 62 | 61 | 57 | 71 |
| | | M | 34 | 47 | 54 | 58 | 64 | 58 | 57 | 53 | 67 |
| | | H | 41 | 48 | 50 | 54 | 60 | 54 | 53 | 48 | 63 |
| | Descarga | B | 40 | 49 | 56 | 67 | 70 | 67 | 66 | 62 | 74 |
| | | M | 36 | 45 | 53 | 64 | 67 | 62 | 61 | 57 | 70 |
| | | H | 39 | 44 | 50 | 60 | 60 | 54 | 54 | 49 | 64 |
| Modelos 6-30 | Aspiración | B | 44 | 62 | 64 | 72 | 72 | 69 | 67 | 63 | 77 |
| | | M | 43 | 57 | 60 | 69 | 69 | 66 | 64 | 60 | 74 |
| | | H | 45 | 55 | 56 | 67 | 68 | 64 | 62 | 57 | 72 |
| | Descarga | B | 45 | 56 | 66 | 73 | 73 | 70 | 68 | 63 | 78 |
| | | M | 44 | 54 | 62 | 70 | 71 | 67 | 65 | 60 | 75 |
| | | H | 42 | 50 | 59 | 67 | 67 | 64 | 62 | 56 | 72 |
| Modelos 6-35 | Aspiración | B | 46 | 57 | 63 | 73 | 77 | 75 | 73 | 68 | 81 |
| | | M | 45 | 57 | 61 | 71 | 74 | 71 | 70 | 64 | 78 |
| | | H | 46 | 59 | 61 | 69 | 71 | 68 | 66 | 61 | 75 |
| | Descarga | B | 52 | 59 | 67 | 74 | 80 | 76 | 74 | 67 | 83 |
| | | M | 48 | 57 | 65 | 72 | 77 | 73 | 71 | 63 | 80 |
| | | H | 48 | 57 | 65 | 71 | 75 | 69 | 67 | 60 | 78 |
| Modelos 6-42 | Aspiración | B | 51 | 64 | 72 | 81 | 84 | 82 | 80 | 75 | 88 |
| | | M | 51 | 63 | 70 | 78 | 81 | 79 | 76 | 72 | 85 |
| | | H | 57 | 62 | 65 | 73 | 75 | 73 | 71 | 66 | 80 |
| | Descarga | B | 58 | 66 | 76 | 81 | 86 | 84 | 81 | 75 | 90 |
| | | M | 57 | 64 | 73 | 79 | 83 | 80 | 77 | 70 | 87 |
| | | H | 58 | 62 | 70 | 73 | 76 | 74 | 71 | 63 | 80 |

## CURVAS CARACTERÍSTICAS

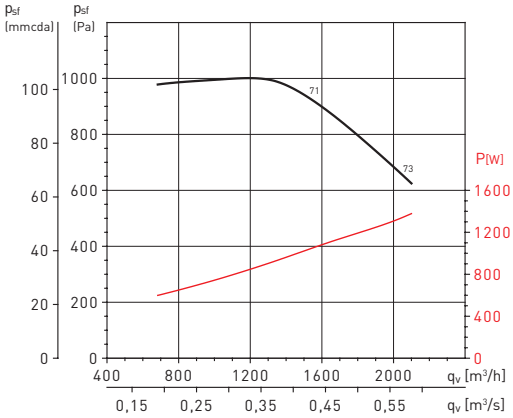
**MOTORES DE 2 POLOS**

- $q_v$: Caudal en $m^3/h$ y $m^3/s$
- $p_{sf}$: Presión estática en mmcda y Pa
- Aire seco normal a 20°C y 760 mmHg
- Ensayos realizados de acuerdo a Norma ISO 5801 y AMCA 210-99
- Nivel de presión sonora medido en dB(A), a 1,5 m de la aspiración, en campo libre

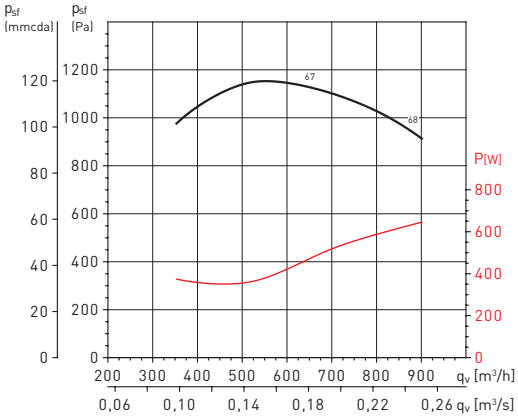
CMPT/2-14 ATEX




CMPT/2-20 ATEX




CMPT/2-20A ATEX

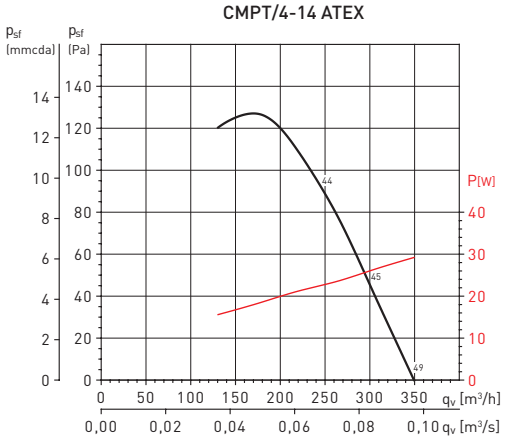


## CURVAS CARACTERÍSTICAS

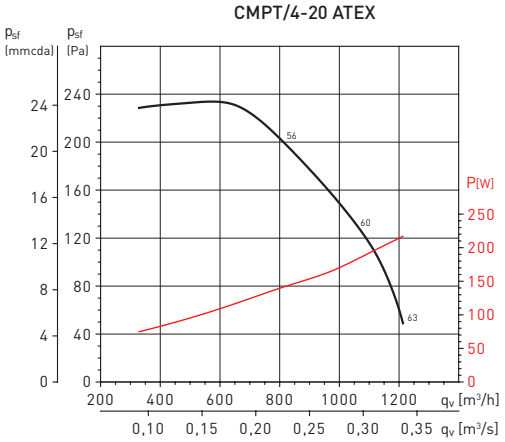
**MOTORES DE 4 POLOS**

- $q_v$: Caudal en $m^3/h$ y $m^3/s$
- $p_{sf}$: Presión estática en mmcda y Pa
- Aire seco normal a 20°C y 760 mmHg
- Ensayos realizados de acuerdo a Norma ISO 5801 y AMCA 210-99
- Nivel de presión sonora medido en dB(A), a 1,5 m de la aspiración, en campo libre

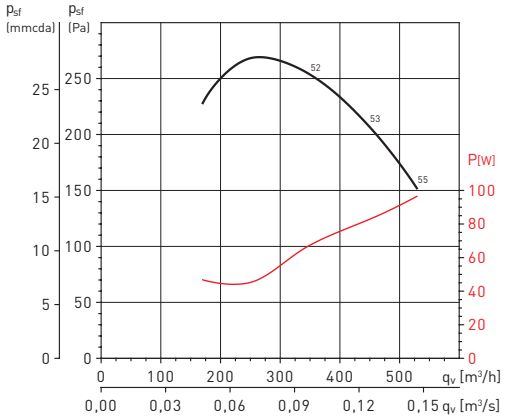
CMPT/4-14 ATEX



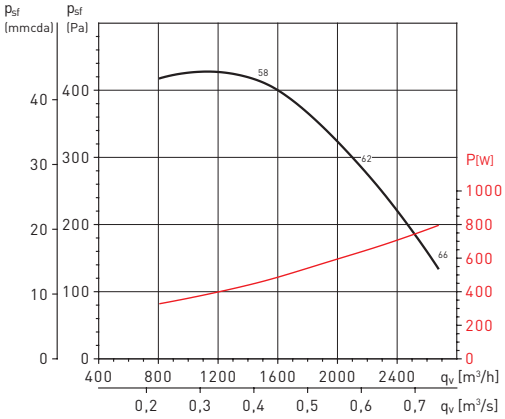

CMPT/4-20 ATEX



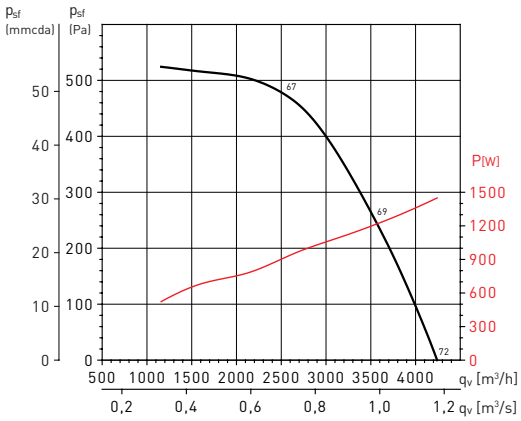

CMPT/4-20A ATEX



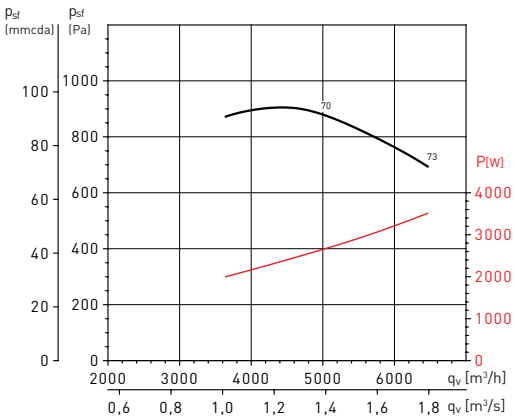

CMPT/4-25 ATEX



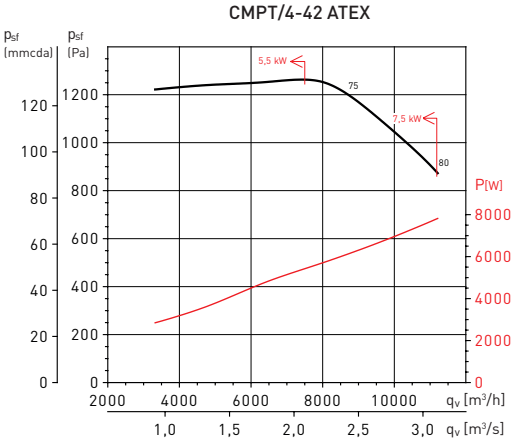

CMPT/4-30 ATEX




CMPT/4-35 ATEX




CMPT/4-42 ATEX

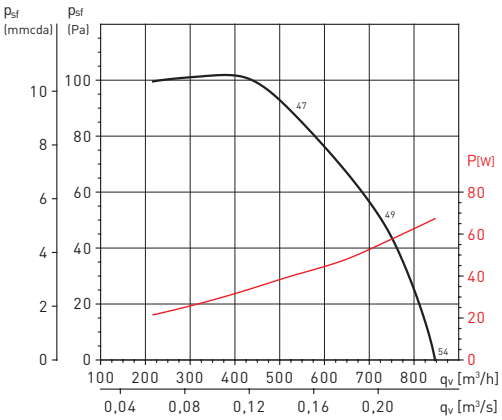


## CURVAS CARACTERÍSTICAS

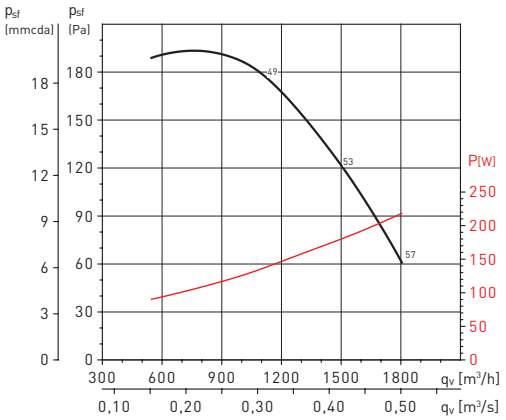
**MOTORES DE 4 POLOS**

- $q_v$: Caudal en $m^3/h$ y $m^3/s$
- $p_{sf}$: Presión estática en mmcda y Pa
- Aire seco normal a 20°C y 760 mmHg
- Ensayos realizados de acuerdo a Norma ISO 5801 y AMCA 210-99
- Nivel de presión sonora medido en dB(A), a 1,5 m de la aspiración, en campo libre

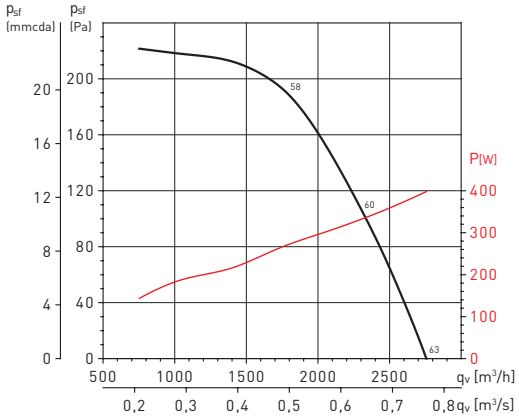
CMPT/6-20 ATEX



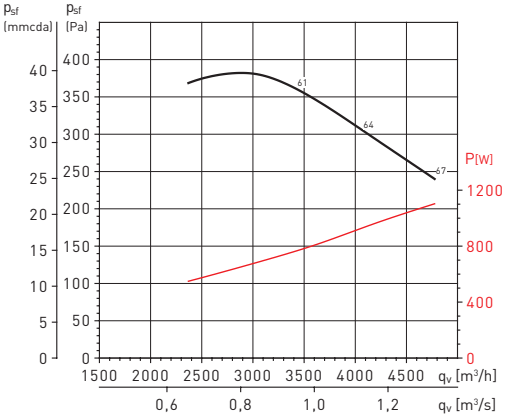

CMPT/6-25 ATEX



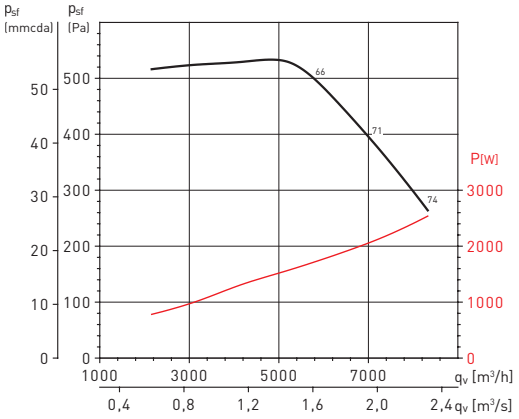

CMPT/6-30 ATEX




CMPT/6-35 ATEX

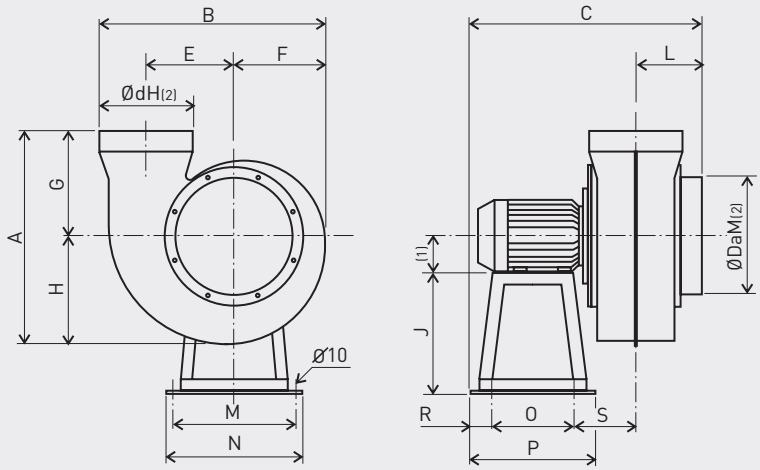



CMPT/6-42 ATEX



## DIMENSIONES (mm)

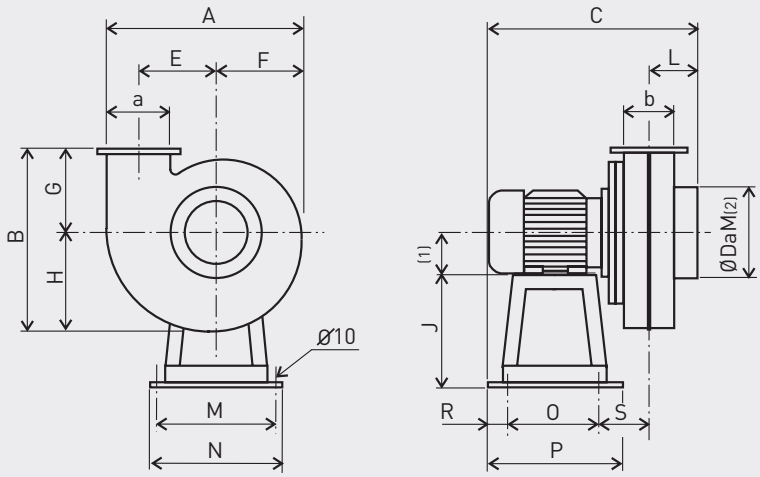
CMPT 14, 20, 25




(1) Tamaño motor: para dimensión, ver cuadro de características
(2) M: Brida macho, H: Brida hembra

| Modelo | A | B | C | Da | E | F | G | H | J | L | M | N | O | P | R | S | a | b | d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CMPT 14 | 325 | 284 | 317 | 125 | 103 | 118 | 189 | 136 | 130 | 72 | 175 | 200 | 130 | 200 | 35 | 80 | - | - | 125 |
| CMPT 20 | 501 | 418 | 420 | 200 | 148 | 170 | 300 | 201 | 200 | 120 | 215 | 240 | 170 | 240 | 35 | 95 | - | - | 200 |
| CMPT 25 | 570 | 520 | 487 | 250 | 185 | 210 | 320 | 250 | 250 | 129 | 255 | 280 | 175 | 280 | 53 | 130 | - | - | 250 |

CMPT 20A

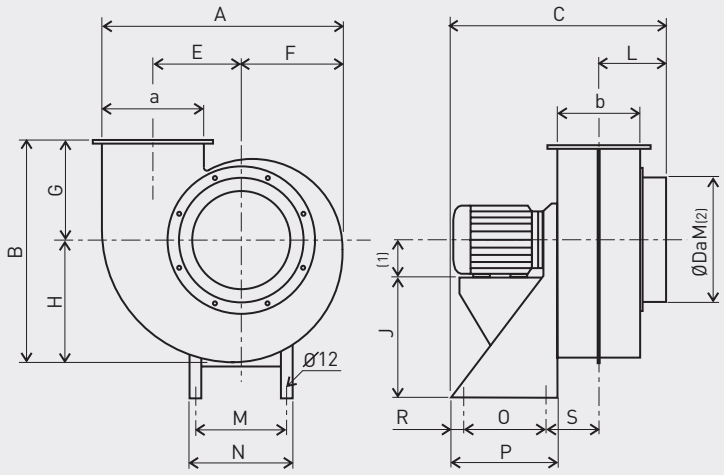



(1) Tamaño motor: para dimensión, ver cuadro de características
(2) M: Brida macho

| Modelo | A | B | C | Da | E | F | G | H | J | L | M | N | O | P | R | S | a | b | d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CMPT 20A | 349 | 325 | 370 | 160 | 140 | 157 | 148 | 177 | 200 | 85 | 215 | 240 | 170 | 240 | 35 | 80 | 105 | 90 | |

## DIMENSIONES (mm)

CMPT 30, 35, 42




(1) Tamaño motor: para dimensión, ver cuadro de características
(2) M: Brida macho

| Modelo | A | B | C | Da | E | F | G | H | J | L | M | N | O | P | R | S | a | b | d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CMPT 30 | 593 | 515 | 565 | 315 | 222 | 251 | 215 | 300 | 310 | 185 | 234 | 260 | 175 | 275 | 50 | 155 | 240 | 195 | - |
| CMPT 35 | 696 | 626 | 660 | 355 | 259 | 297 | 275 | 353 | 320 | 210 | 285 | 380 | 200 | 300 | 50 | 170 | 280 | 225 | - |
| CMPT 42 | 835 | 724 | 810 | 400 | 310 | 357 | 300 | 424 | 410 | 245 | 315 | 350 | 250 | 350 | 50 | 197 | 335 | 270 | - |

# Centrífugos de alta presión

# FC-N

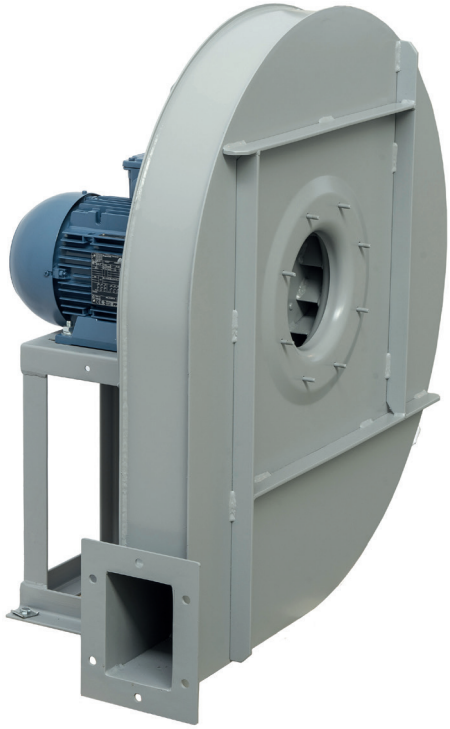
## VENTILADORES CENTRÍFUGOS DE ALTA PRESIÓN

*ACOPLAMIENTO DIRECTO*

ErP OK

Silent Kit*

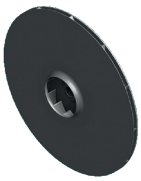
Ventilador centrífugo de acoplamiento directo y simple aspiración. Fabricados en chapa de acero protegida contra la corrosión mediante tratamiento por cataforesis + pintura poliuretana. Temperaturas del aire a transportar -20ºC/+100ºC en continuo.



APLICACIONES

**Aire a transportar**
Aire limpio

**Cantidad de polvo (mg/m³)**
<50



Rodete de álabes curvados hacia atrás

### Motores

De 2 polos, de alta eficiencia IE 3*, tensión de alimentación trifásica 230/400V 50Hz hasta tamaño motor 112, y 400/690V 50Hz para motores de mayor dimensión.
Protección IP55, Clase F.

* Entre 75 y 200kW, los motores suministrados serán IE4.

### Bajo pedido

- Fabricación en diferentes materiales constructivos.
- Motores de 2 velocidades.
- Versiones de 60 Hz.
- Pintura en diferentes RAL.
- Versión sin pie soporte (Motor-Brida, Sistema 5), hasta tamaño de motor 160.
- Versión para alta temperatura: hasta 220ºC (versiones B: con rodete de refrigeración).
- SISTEMA 8: acoplamiento mediante junta elástica.
- Trampilla de inspección, purga de drenaje, distintos tipos de estanqueidad a nivel de voluta y de paso de eje.
- Ventiladores estancos.
- Calorifugado.

### Versiones ATEX

Bajo pedido, versiones antiexplosivas según la Directiva ATEX para modelos trifásicos:
Para trabajar a temperaturas de -20ºC a +60ºC, presión ambiente (absoluta) de 0,8 bar hasta 1,1 bar, según EN 14986.

- Gas:
  - Ex 2G IIB T2-T3-T4*
  - Ex 2G IIB+H2 T2-T3-T4*
  - Ex 3G IIB T2-T3-T4*
  - Ex 3G IIB+H2 T2-T3-T4*
- Polvo no conductivo:
  - Ex 2D IIIB T125°C*-T135°C*-T195°C-T295°C
  - Ex 3D IIIB T125°C*-T135°C*-T195°C-T295°C
- Polvo conductivo (con motor IP65 IIIC):
  - Ex 2D IIIC T125°C*-T135°C*-T195°C-T295°C
  - Ex 3D IIIC T125°C*-T135°C*-T195°C-T295°C

*Viabilidad técnica solicitada.

*Silent Kit opcional.

## CARACTERÍSTICAS TÉCNICAS

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación

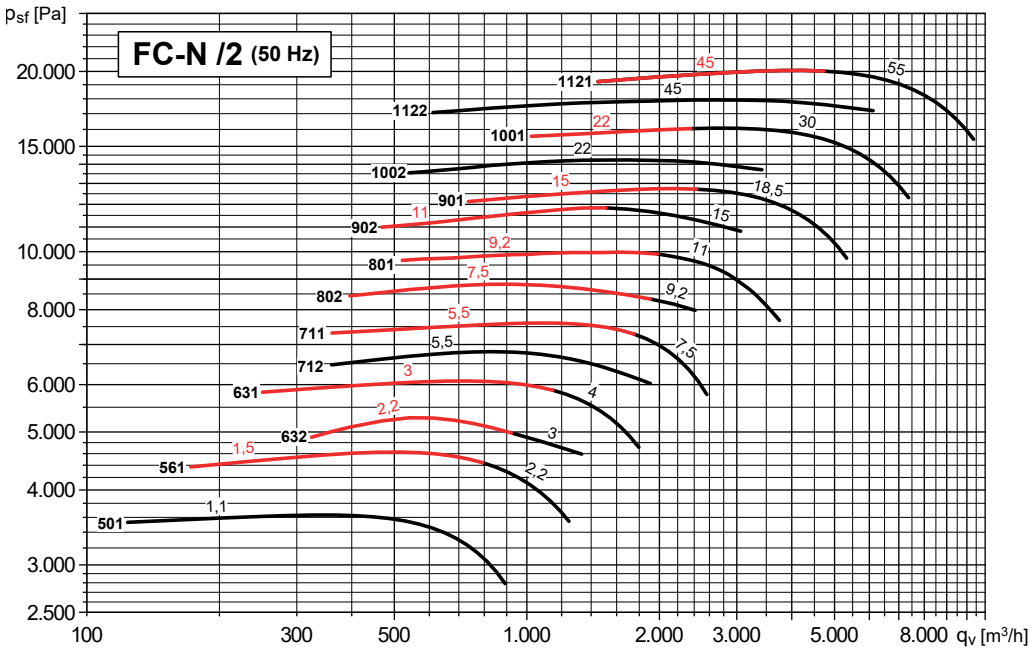
| Modelo | Tamaño motor | Velocidad (r.p.m.) | Potencia motor (kW) | Intensidad motor 400V (A) | Caudal máximo ($m^3/h$) | Nivel presión sonora a 1 m (dB(A))[1] | Peso (kg)[2] | Momento de inercia ($kg \cdot m^2$)[3] |
|---|---|---|---|---|---|---|---|---|
| 2 POLOS | | | | | | | | |
| FC 501/2 N4A | 80B2 | 2850 | 1,1 | 2,33 | 840 | 72 | 64 | 0,28 |
| FC 561/2 N4A | 90S2 | 2840 | 1,5 | 3,07 | 520 | 76 | 98 | 0,48 |
| FC 561/2 N4A | 90L2 | 2850 | 2,2 | 4,43 | 1.170 | 76 | 101 | 0,48 |
| FC 632/2 N4A | 90L2 | 2850 | 2,2 | 4,43 | 590 | 77 | 128 | 0,70 |
| FC 632/2 N4A | 100LA2 | 2900 | 3,0 | 5,77 | 1.330 | 79 | 129 | 0,70 |
| FC 631/2 N4A | 100LA2 | 2900 | 3,0 | 5,77 | 790 | 80 | 132 | 0,83 |
| FC 631/2 N4A | 112M2 | 2910 | 4,0 | 7,50 | 1.720 | 80 | 137 | 0,83 |
| FC 712/2 N4A | 132SA2 | 2890 | 5,5 | 10,10 | 1.910 | 85 | 177 | 1,23 |
| FC 711/2 N4A | 132SA2 | 2890 | 5,5 | 10,10 | 1.350 | 85 | 181 | 1,53 |
| FC 711/2 N4A | 132SB2 | 2890 | 7,5 | 13,90 | 2.450 | 85 | 187 | 1,53 |
| FC 802/2 N4A | 132SB2 | 2890 | 7,5 | 13,90 | 1.420 | 86 | 221 | 1,90 |
| FC 802/2 N4A | 132MB2 | 2935 | 9,2 | 16,60 | 2.160 | 86 | 229 | 1,90 |
| FC 801/2 N4A | 132MB2 | 2930 | 9,2 | 16,60 | 1.470 | 87 | 234 | 2,40 |
| FC 801/2 N4A | 160MR2 | 2930 | 11,0 | 18,70 | 3.540 | 87 | 258 | 2,40 |
| FC 902/2 N4A | 160MR2 | 2930 | 11,0 | 18,70 | 1.290 | 88 | 360 | 3,30 |
| FC 902/2 N4A | 160M2 | 2935 | 15,0 | 25,40 | 2.700 | 88 | 366 | 3,30 |
| FC 901/2 N4A | 160M2 | 2935 | 15,0 | 25,40 | 1.650 | 89 | 372 | 4,00 |
| FC 901/2 N4A | 160L2 | 2935 | 18,5 | 33,30 | 5.090 | 89 | 383 | 4,00 |
| FC 1002/2 N4A | 180M2 | 2940 | 22,0 | 39,00 | 2.700 | 91 | 450 | 4,80 |
| FC 1001/2 N4A | 180M2 | 2940 | 22,0 | 39,00 | 1.630 | 92 | 470 | 5,80 |
| FC 1001/2 N4A | 200LR2 | 2960 | 30,0 | 53,50 | 6.930 | 92 | 525 | 5,80 |
| FC 1122/2 N4A | 225M2 | 2960 | 45,0 | 77,60 | 4.750 | 93 | 703 | 8,50 |
| FC 1121/2 N4A | 225M2 | 2960 | 45,0 | 77,60 | 3.200 | 94 | 733 | 10,50 |
| FC 1121/2 N4A | 250M2 | 2960 | 55,0 | 93,50 | 4.990 | 94 | 798 | 10,50 |
| FC 1121/2 N4A | 280S2 | 2960 | 75,0 | 126,00 | 9.890 | 94 | 888 | 10,50 |

1 Entubado en la descarga
Tolerancia del nivel de ruido de +3dB/A, medido en el punto de máxima eficiencia
2 Con motor incluido y para orientación LG270 o RD270
3 Momento de inercia del rodete

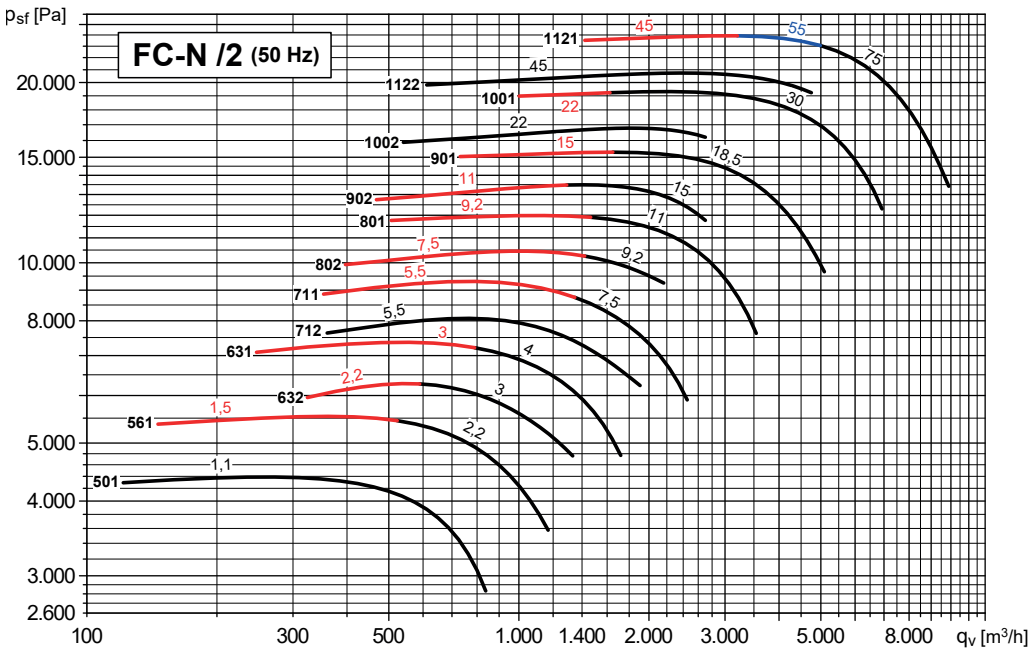
## CURVAS CARACTERÍSTICAS (a la descarga)

- Caudal en $m^3/h$
- **Psf: Presión estática en Pa**
- Modelo - Potencia motor en kW
- Ejemplo: 451 - 11
  Modelo - kW

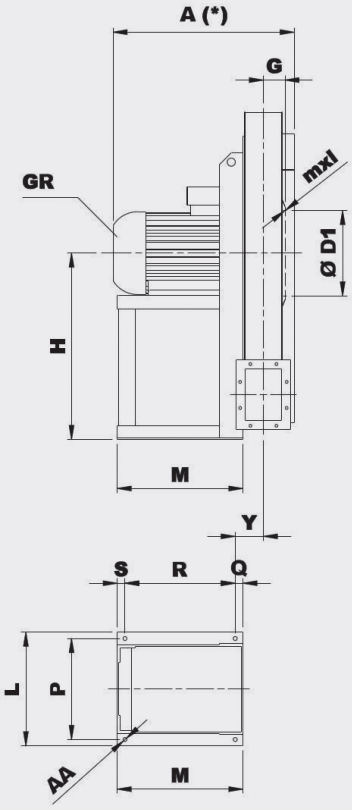
2 polos - Modelos desde 501 hasta 1121

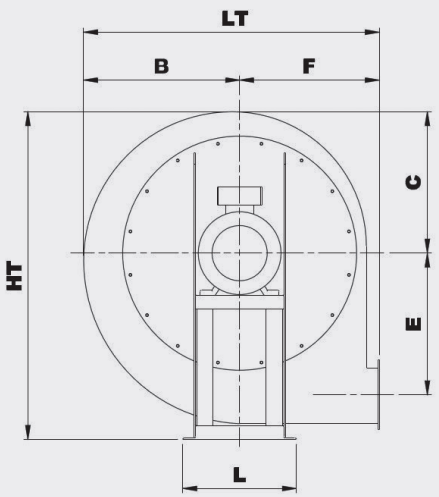



2 polos - Modelos desde 501 hasta 1121



## DIMENSIONES (mm)

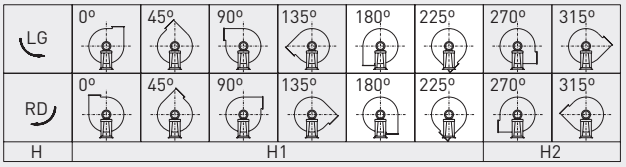





DESCARGA ORIENTABLE

ORIENTACIONES

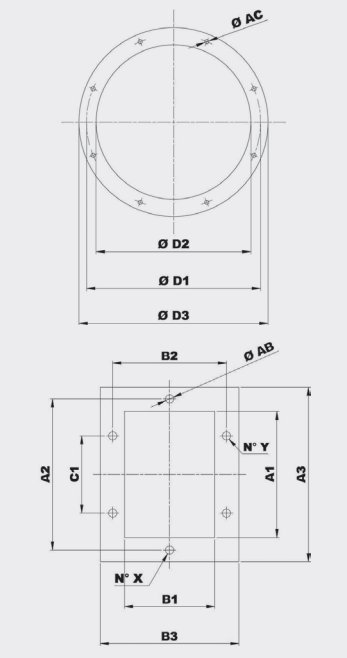



Para estas orientaciones, contactar con oficina técnica

| Modelo | | | | | | | | | | | | | Base | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Motor GR | A* | B | C | ØD1 | E | F | G | H | HT | mxl | Y | LT | L | P | M | Q | R | S | ØAA |
| FC 501/2 N4A | 80B2 | 370 | 380 | 350 | 182 | 347 | 335 | 46 | 450 | 800 | M6x20 | 87 | 715 | 225 | 203 | 225 | 45 | 166 | 14 | 10 |
| FC 561/2 N4A | 90S2 | 400 | 430 | 390 | 200 | 393 | 375 | 50 | 500 | 890 | M6x20 | 107 | 805 | 260 | 234 | 260 | 60 | 183 | 17 | 10 |
| FC 561/2 N4A | 90L2 | 420 | 430 | 390 | 200 | 393 | 375 | 50 | 500 | 890 | M6x20 | 107 | 805 | 260 | 234 | 260 | 60 | 183 | 17 | 10 |
| FC 631/2 N4A | 100LA2 | 490 | 485 | 440 | 219 | 443 | 425 | 55 | 560 | 1000 | M6x20 | 76 | 910 | 324 | 289 | 295 | 23 | 249 | 23 | 12 |
| FC 631/2 N4A | 112M2 | 530 | 485 | 440 | 219 | 443 | 425 | 55 | 560 | 1000 | M6x20 | 76 | 910 | 324 | 289 | 310 | 23 | 264 | 23 | 12 |
| FC 632/2 N4A | 100LA2 | 490 | 485 | 440 | 219 | 443 | 425 | 55 | 560 | 1000 | M6x20 | 76 | 910 | 324 | 289 | 295 | 23 | 249 | 23 | 12 |
| FC 632/2 N4A | 90L2 | 460 | 485 | 440 | 219 | 443 | 425 | 55 | 560 | 1000 | M6x20 | 113 | 910 | 260 | 234 | 260 | 60 | 183 | 17 | 10 |
| FC 711/2 N4A | 132SA2 | 595 | 540 | 490 | 241 | 497 | 475 | 60 | 630 | 1120 | M6x20 | 81 | 1015 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| FC 711/2 N4A | 132SB2 | 595 | 540 | 490 | 241 | 497 | 475 | 60 | 630 | 1120 | M6x20 | 81 | 1015 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| FC 712/2 N4A | 132SA2 | 595 | 540 | 490 | 241 | 497 | 475 | 60 | 630 | 1120 | M6x20 | 81 | 1015 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| FC 801/2 N4A | 160MR2 | 725 | 610 | 550 | 265 | 560 | 530 | 68 | 710 | 1260 | M6x20 | 92 | 1140 | 440 | 395 | 470 | 28 | 414 | 28 | 14 |
| FC 801/2 N4A | 132MB2 | 640 | 610 | 550 | 265 | 560 | 530 | 68 | 710 | 1260 | M6x20 | 87 | 1140 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| FC 802/2 N4A | 132MB2 | 640 | 610 | 550 | 265 | 560 | 530 | 68 | 710 | 1260 | M6x20 | 87 | 1140 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| FC 802/2 N4A | 132SB2 | 600 | 610 | 550 | 265 | 560 | 530 | 68 | 710 | 1260 | M6x20 | 87 | 1140 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| FC 901/2 N4A | 160L2 | 735 | 685 | 620 | 292 | 631 | 600 | 74 | 800 | 1420 | M8x25 | 100 | 1285 | 440 | 395 | 470 | 28 | 414 | 28 | 14 |
| FC 901/2 N4A | 160M2 | 735 | 685 | 620 | 292 | 631 | 600 | 74 | 800 | 1420 | M8x25 | 100 | 1285 | 440 | 395 | 470 | 28 | 414 | 28 | 14 |
| FC 902/2 N4A | 160M2 | 735 | 685 | 620 | 292 | 631 | 600 | 74 | 800 | 1420 | M8x25 | 100 | 1285 | 440 | 395 | 470 | 28 | 414 | 28 | 14 |
| FC 902/2 N4A | 160MR2 | 735 | 685 | 620 | 292 | 631 | 600 | 74 | 800 | 1420 | M8x25 | 100 | 1285 | 440 | 395 | 470 | 28 | 414 | 28 | 14 |
| FC 1001/2 N4A | 180M2 | 800 | 760 | 690 | 332 | 707 | 670 | 85 | 900 | 1590 | M8x25 | 116 | 1430 | 488 | 434 | 540 | 33 | 474 | 33 | 17 |
| FC 1001/2 N4A | 200LR2 | 925 | 760 | 690 | 332 | 707 | 670 | 85 | 900 | 1590 | M8x25 | 163 | 1430 | 568 | 506 | 552 | 80 | 433 | 39 | 19 |
| FC 1002/2 N4A | 180M2 | 800 | 760 | 690 | 332 | 707 | 670 | 85 | 900 | 1590 | M8x25 | 116 | 1430 | 488 | 434 | 540 | 33 | 474 | 33 | 17 |
| FC 1121/2 N4A | 225M2 | 975 | 850 | 760 | 366 | 796 | 750 | 95 | 1000 | 1760 | M8x25 | 172 | 1600 | 616 | 556 | 616 | 80 | 497 | 39 | 19 |
| FC 1121/2 N4A | 250M2 | 1045 | 850 | 760 | 366 | 796 | 750 | 95 | 1000 | 1760 | M8x25 | 182 | 1600 | 675 | 604 | 676 | 90 | 542 | 44 | 19 |
| FC 1121/2 N4A | 280S2 | 1195 | 850 | 760 | 366 | 796 | 750 | 95 | 1000 | 1760 | M8x25 | 192 | 1600 | 770 | 690 | 766 | 100 | 616 | 50 | 21 |
| FC 1122/2 N4A | 225M2 | 975 | 850 | 760 | 366 | 796 | 750 | 95 | 1000 | 1760 | M8x25 | 172 | 1600 | 616 | 556 | 616 | 80 | 497 | 39 | 19 |

* Según tamaño motor

## DIMENSIONES (mm)




Brida aspiración

| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 501 | 140 | 182 | 144 | 214 | 8 | 8 |
| 561 | 160 | 200 | 164 | 234 | 8 | 8 |
| 631 | 180 | 219 | 184 | 254 | 8 | 8 |
| 711 | 200 | 241 | 204 | 274 | 8 | 8 |
| 801 | 224 | 265 | 228 | 298 | 8 | 8 |
| 901 | 250 | 292 | 254 | 324 | 10 | 8 |
| 1001 | 280 | 332 | 285 | 365 | 10 | 8 |
| 1121 | 315 | 366 | 320 | 400 | 10 | 8 |

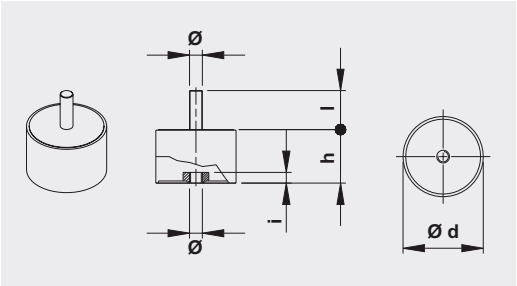
Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 501 | 100x71 | 105 | 76 | 139 | 110 | 165 | 136 | - | 10 | 1+1 | 1+1 |
| 561 | 112x80 | 117 | 85 | 151 | 119 | 177 | 145 | - | 10 | 1+1 | 1+1 |
| 631 | 125x90 | 131 | 95 | 165 | 129 | 191 | 155 | 100 | 10 | 1+1 | 2+2 |
| 711 | 140x100 | 146 | 105 | 182 | 139 | 216 | 175 | 112 | 12 | 1+1 | 2+2 |
| 801 | 160x112 | 164 | 117 | 200 | 151 | 234 | 187 | 112 | 12 | 1+1 | 2+2 |
| 901 | 180x125 | 183 | 131 | 219 | 165 | 253 | 201 | 112 | 12 | 1+1 | 2+2 |
| 1001 | 200x140 | 205 | 146 | 241 | 182 | 275 | 216 | 112 | 12 | 2+2 | 2+2 |
| 1121 | 224x160 | 229 | 164 | 265 | 200 | 299 | 234 | 112 | 12 | 2+2 | 2+2 |

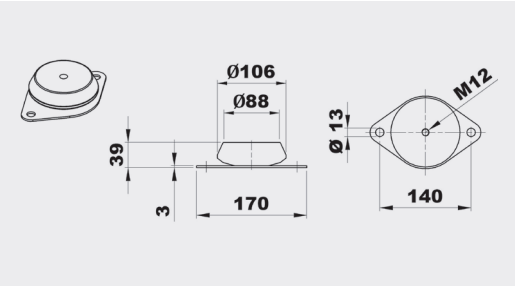
## AMORTIGUADORES

Amortiguadores recomendados

| Ventilador | Ejecución 4 |
|---|---|
| 501 | 4 x AM 25 - 25x20 |
| 561 | 4 x AM 30 - 30x30 |
| 631/2 | 4 x AM 30 - 30x30 |
| 711/2 | 4 x AM 40 - 40x30 |
| 801/2 | 4 x AM 50 - 50x40 |
| 901/2 | 4 x AM 75 - 75x50 |
| 1001/2 | 4 x AM 75 - 75x50 |
| 1121/2 | 4 x AZ 39 - 140x39 |

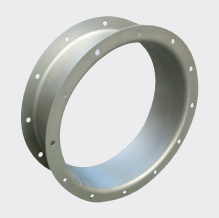



| Tipo | Carga para 4 soportes (kg) | d | h | Ø | l | Peso (kg) |
|---|---|---|---|---|---|---|
| AM 25 | 41÷80 | 25 | 20 | M6 | 18 | 0,03 |
| AM 30 | 81÷140 | 30 | 30 | M8 | 20 | 0,05 |
| AM 40 | 141÷224 | 40 | 30 | M8 | 23 | 0,10 |
| AM 50 | 225÷315 | 50 | 40 | M10 | 28 | 0,20 |
| AM 75 | 316÷630 | 75 | 50 | M12 | 37 | 0,50 |

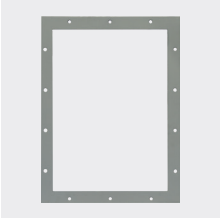



| Tipo | Carga para 4 soportes (kg) | Peso (kg) |
|---|---|---|
| AZ 39 | 631÷1250 | 0,7 |

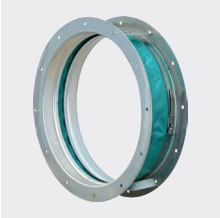
## ACCESORIOS



**CA (CFH1) - CFH2 - CFH3**
Contrabrida - Brida plana circular.



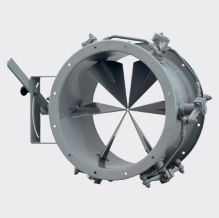
**CP**
Brida plana rectangular.



**GA**
Junta flexible aspiración.



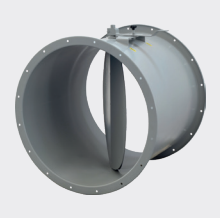
**GP**
Junta flexible descarga.



**DP**
Regulador de caudal de aspiración.



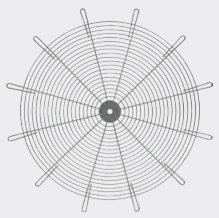
**SAD**
Compuerta de regulación de caudal de descarga.



**SF**
Vávula mariposa.



**DF**
Filtro en la aspiración.



**RC**
Rejilla de protección para la aspiración.



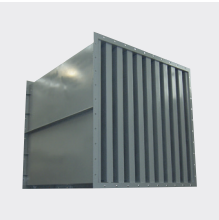
**AM/AZ**
Soportes antivibratorios.



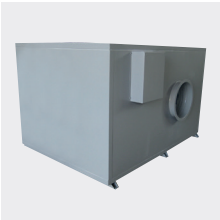
**SCSO**
Silenciador cilíndrico.



**SCCO**
Silenciador cilíndrico con bulbo.



**SASS**
Silenciador rectangular.



**CI**
Cabina de insonorización.

Ver información completa en página **772**.

# FC-N

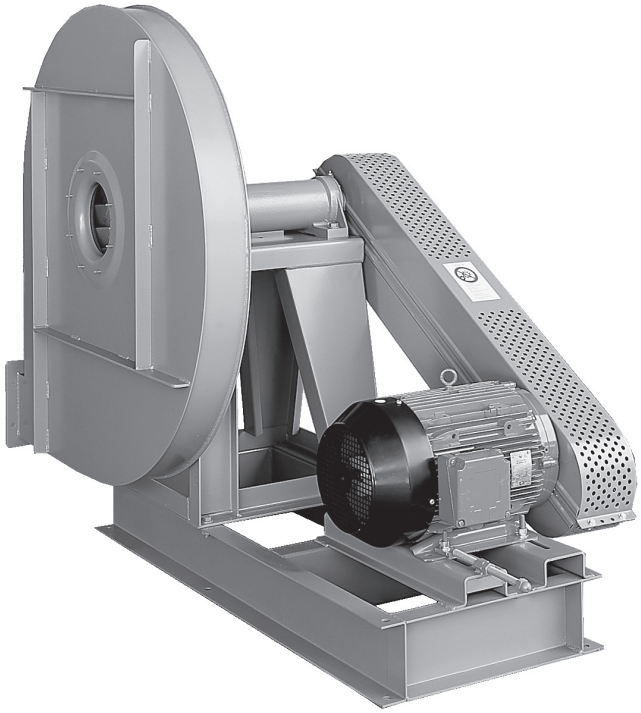
## VENTILADORES CENTRÍFUGOS DE ALTA PRESIÓN

*TRANSMISIÓN*

ErP OK

Silent Kit*

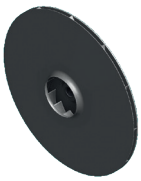
Ventilador centrífugo con accionamiento por poleas y correas y simple aspiración. Fabricados en chapa de acero protegida contra la corrosión mediante tratamiento por cataforesis + pintura poliuretana. Temperaturas del aire a transportar -20ºC/+100ºC en continuo.



APLICACIONES

**Aire a transportar**
Aire limpio

**Cantidad de polvo (mg/m³)**
<50



Rodete de álabes curvados hacia atrás

### Sistemas de montaje

- SISTEMA 1: eje libre, para acoplamiento mediante poleas y correas.
- SISTEMA 9: incluye motor, poleas, correas y protector de correas. Motor montado en el lateral del pie soporte rodamientos.
- SISTEMA 12: incluye motor, poleas, correas y protector de correas. Motor montado sobre la bancada general.

### Motores

De 2, 4 o 6 polos, de alta eficiencia IE 3* (las r.p.m. de cada motor se adaptarán al cálculo de cada transmisión), tensión de alimentación trifásica 230/400V 50Hz hasta tamaño motor 112 y 400/690V 50Hz para motores de mayor dimensión. Protección IP55, Clase F.

* Entre 75 y 200kW, los motores suministrados serán IE4.

### Bajo pedido

- Fabricación en diferentes materiales constructivos.
- Motores de 2 velocidades.
- Versiones de 60 Hz.
- Pintura en diferentes RAL.
- Versión para alta temperatura: hasta 300ºC (versiones B: con rodete de refrigeración).
- Trampilla de inspección, purga de drenaje, distintos tipos de estanqueidad a nivel de voluta y de paso de eje.
- Ventiladores estancos.
- Calorifugado.

### Versiones ATEX

Bajo pedido, versiones antiexplosivas según la Directiva ATEX para modelos trifásicos: Para trabajar a temperaturas de -20ºC a +60ºC, presión ambiente (absoluta) de 0,8 bar hasta 1,1 bar, según EN 14986.

- Gas:
  - Ex 2G IIB T2-T3
  - Ex 2G IIB+H2 T2-T3
  - Ex 3G IIB T2-T3
  - Ex 3G IIB+H2 T2-T3
- Polvo no conductivo:
  - Ex 2D IIIB T195°C-T295°C
  - Ex 3D IIIB T195°C-T295°C
- Polvo conductivo (con motor IP65 IIIC):
  - Ex 2D IIIC T195°C-T295°C
  - Ex 3D IIIC T195°C-T295°C

*Silent Kit opcional.

## CARACTERÍSTICAS TÉCNICAS

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación.

| Modelo | Caudal máximo ($m^3/h$) | Potencia motor máxima (kW) | Peso (kg)[1] | Momento de inercia ($kg \cdot m^2$)[2] |
|---|---|---|---|---|
| FC 501 N1A | 1.320 | 4,0 | 66 | 0,27 |
| FC 561 N1A | 1.650 | 5,5 | 82 | 0,47 |
| FC 631 N1A | 2.370 | 11,0 | 115 | 0,82 |
| FC 711 N1A | 3.010 | 15,0 | 155 | 1,50 |
| FC 801 N1A | 4.290 | 22,0 | 195 | 2,40 |
| FC 901 N1A | 5.470 | 30,0 | 315 | 4,00 |
| FC 1001 N1A | 7.370 | 45,0 | 415 | 5,80 |
| FC 1121 N1A | 9.350 | 75,0 | 520 | 10,50 |

[1] Para ejecución 1 y orientación LG270 o RD270
[2] Momento de inercia del rodete

SOPORTES SISTEMA 1

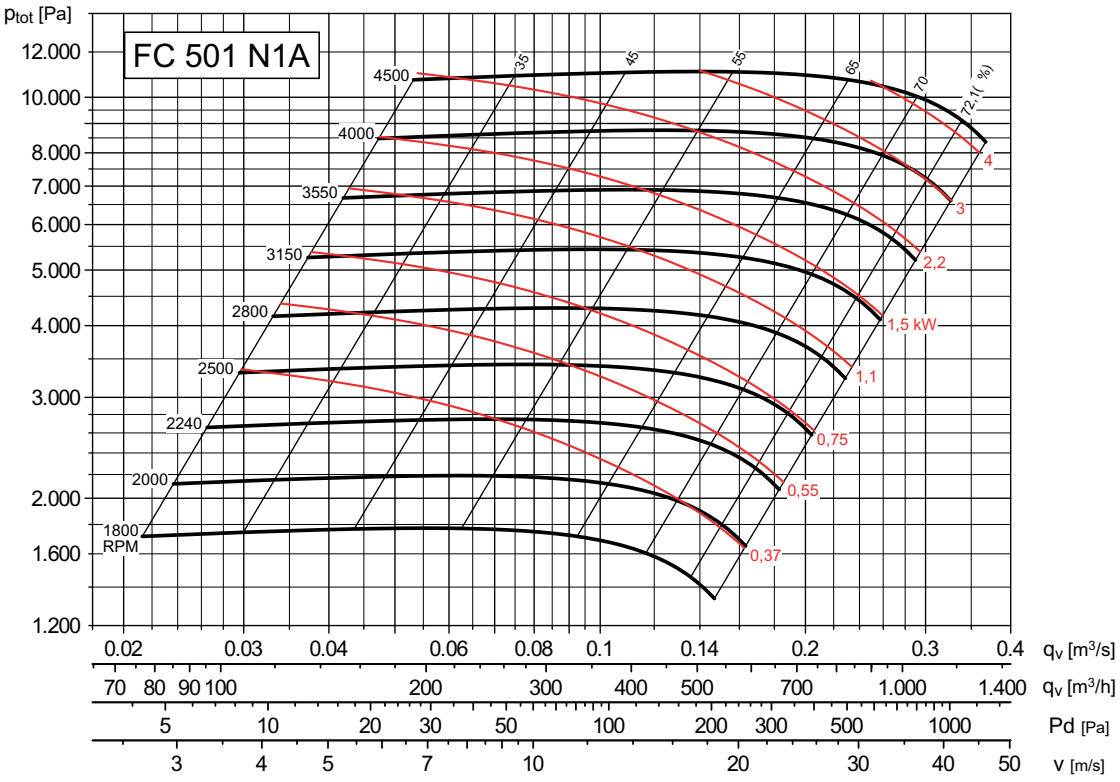
| Modelo | 501-561 | 631 | 711-801 | 901 | 1001 | 1121 |
|---|---|---|---|---|---|---|
| Soporte tipo | ST 80 A28 | ST 90 A38 | ST 100 A42 | ST 110 B48 | ST 120 B48 | ST 130 B55 |

MOTORES SISTEMA 9

| Modelo | 501-631 | 711-901 | 1001-1121 |
|---|---|---|---|
| Tamaño motor | ≤ 132 M2 | ≤ 160 L2 | ≤ 180 L2-4 |

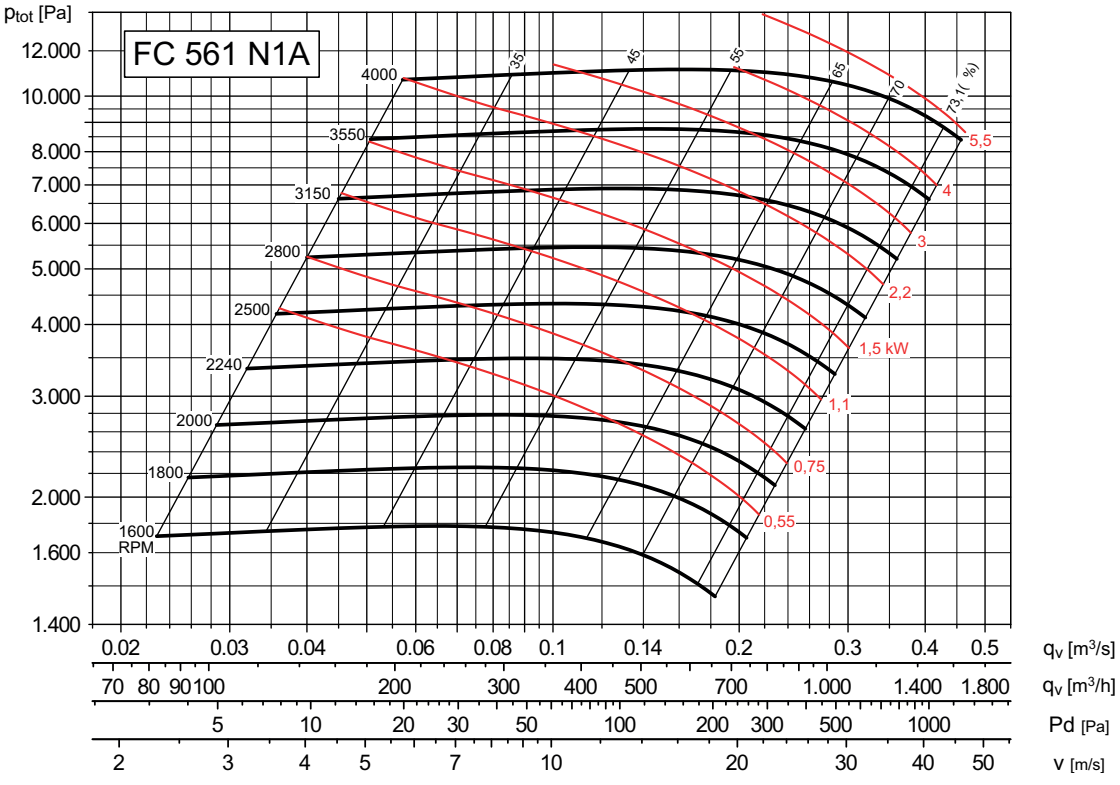
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 4000 rpm
101 ÷ 220°C = 3550 rpm
201 ÷ 300°C = 3150 rpm

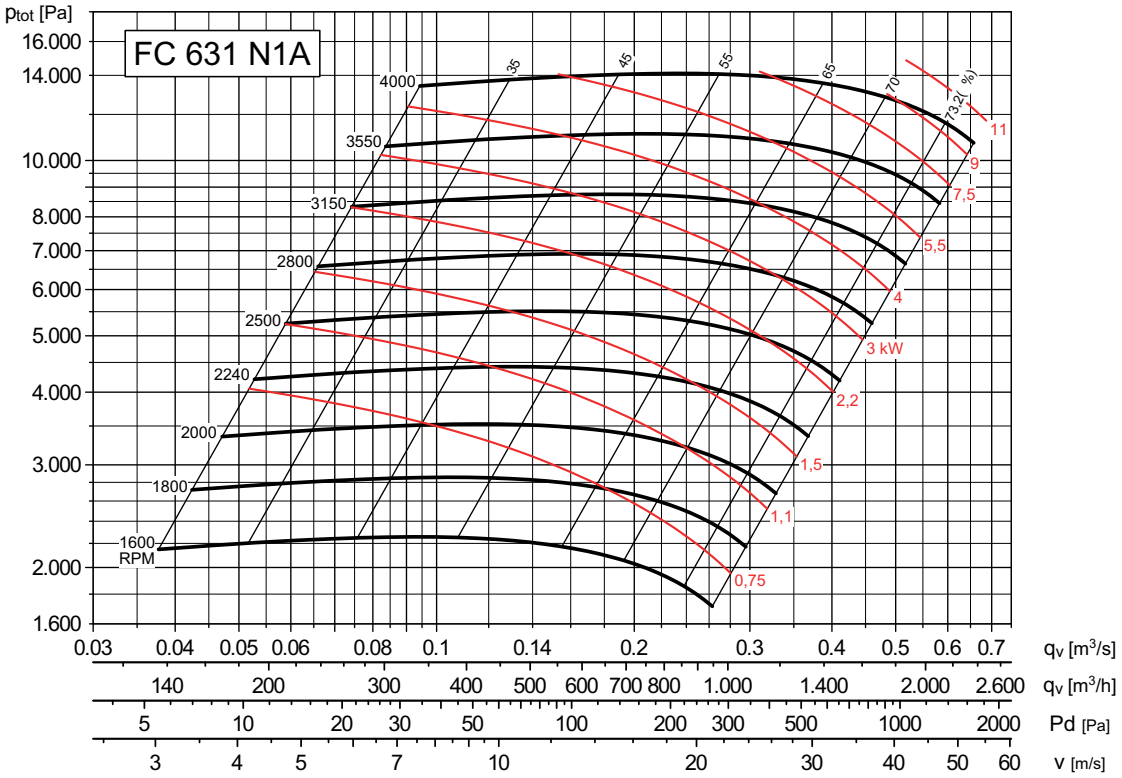



MAX. RPM

≤ 100°C = 3750 rpm
101 ÷ 220°C = 3350 rpm
201 ÷ 300°C = 3000 rpm

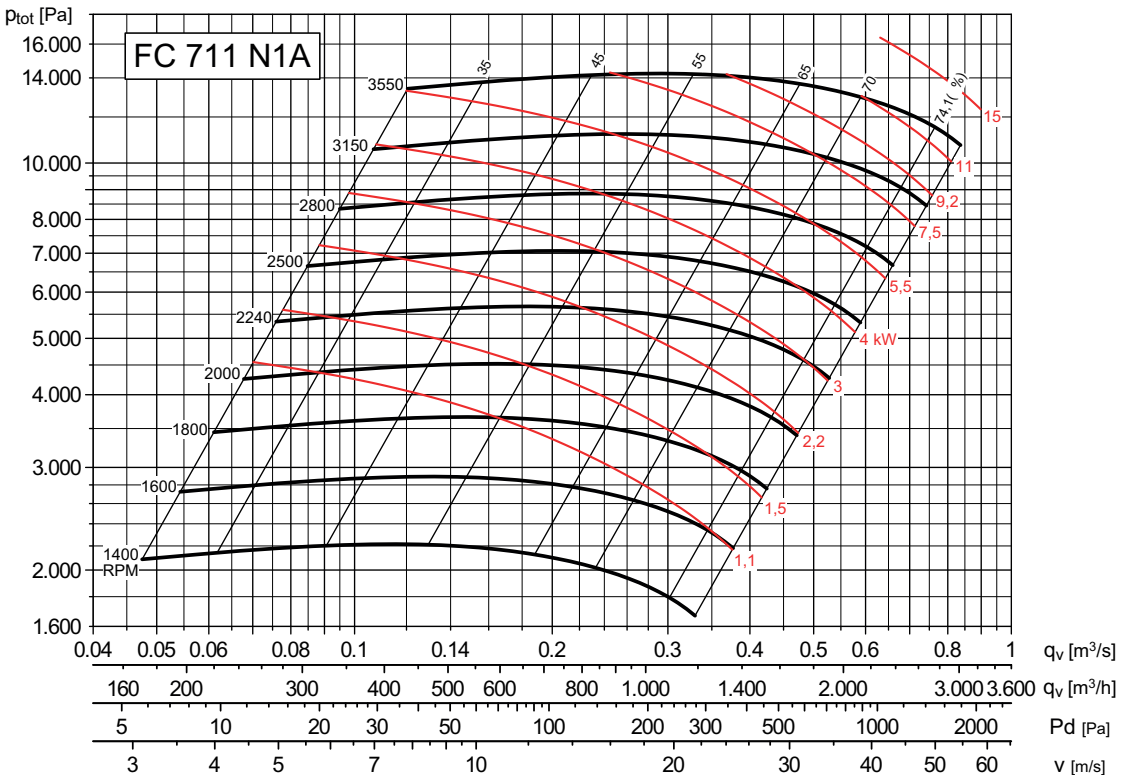
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 3550 rpm
101 ÷ 220°C = 3150 rpm
201 ÷ 300°C = 2800 rpm

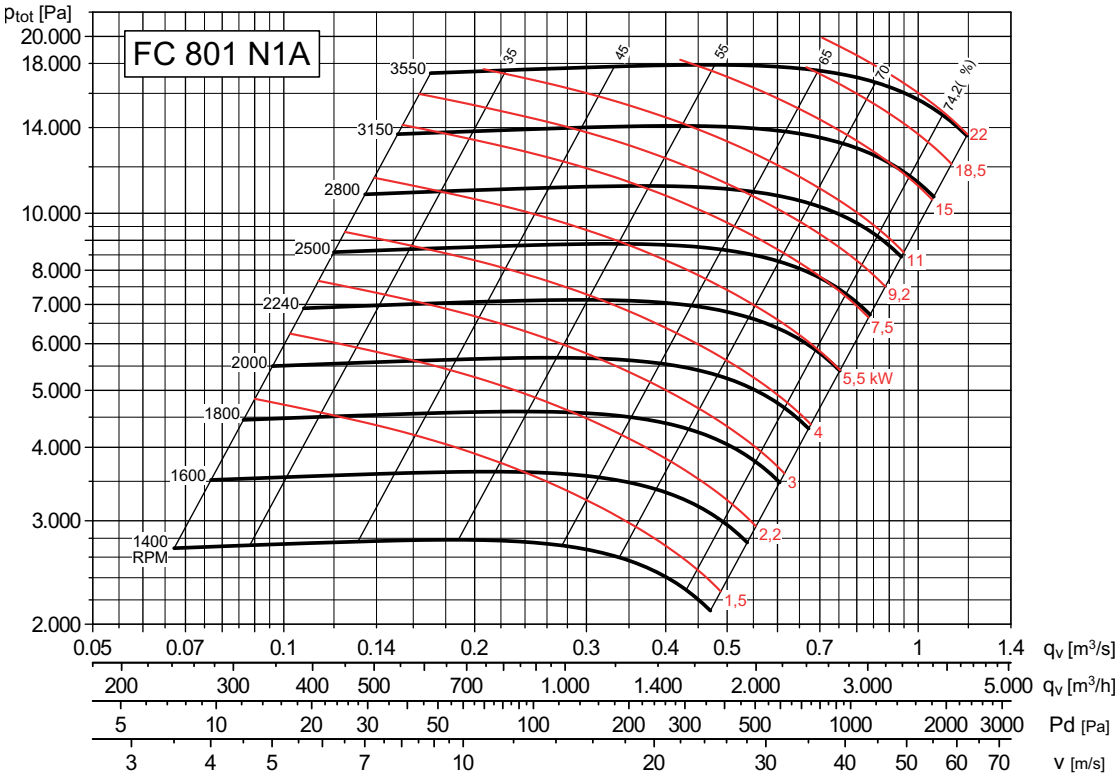



MAX. RPM

≤ 100°C = 3350 rpm
101 ÷ 220°C = 3000 rpm
201 ÷ 300°C = 2650 rpm

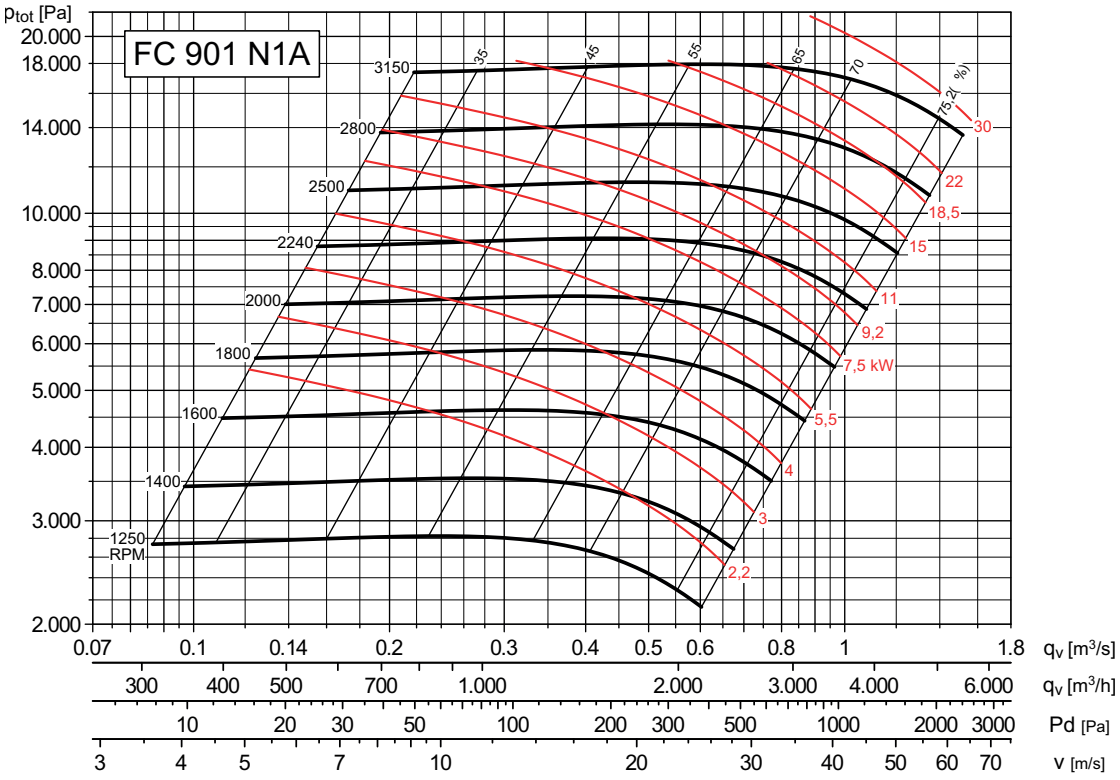
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 3150 rpm
101 ÷ 220°C = 2800 rpm
201 ÷ 300°C = 2500 rpm

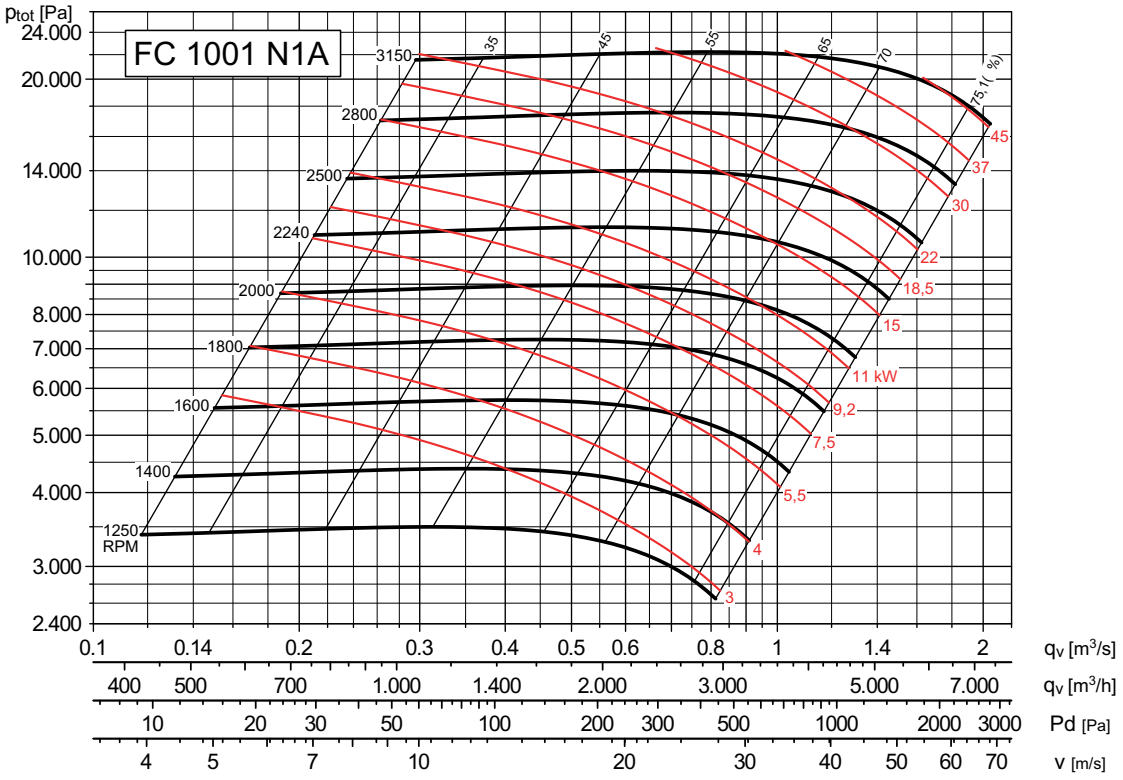



MAX. RPM

≤ 100°C = 3000 rpm
101 ÷ 220°C = 2650 rpm
201 ÷ 300°C = 2360 rpm

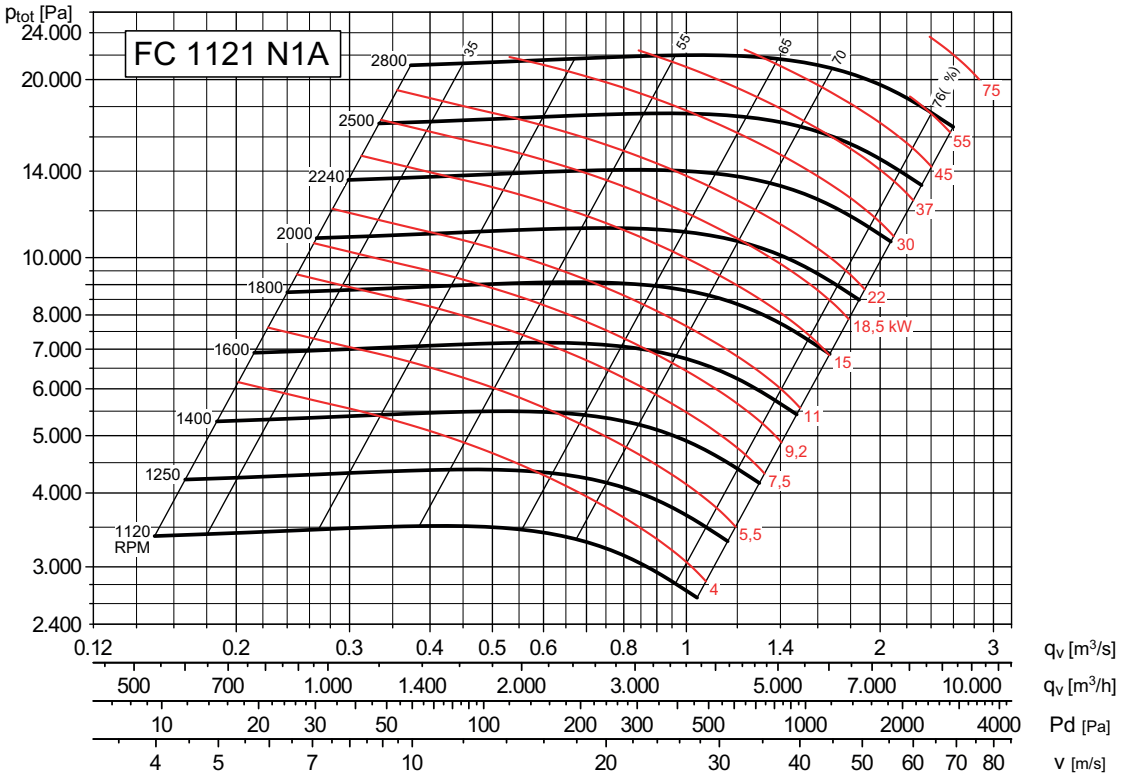
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

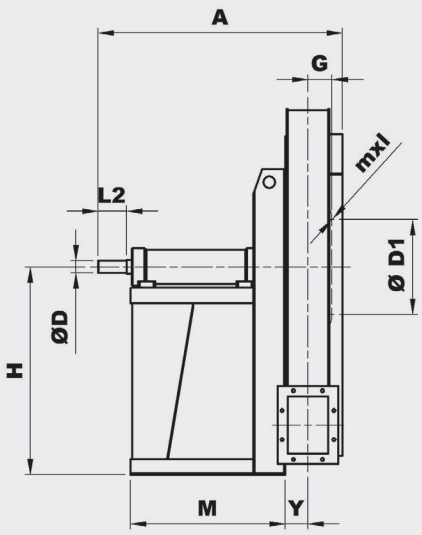
≤ 100°C = 2800 rpm
101 ÷ 220°C = 2500 rpm
201 ÷ 300°C = 2240 rpm

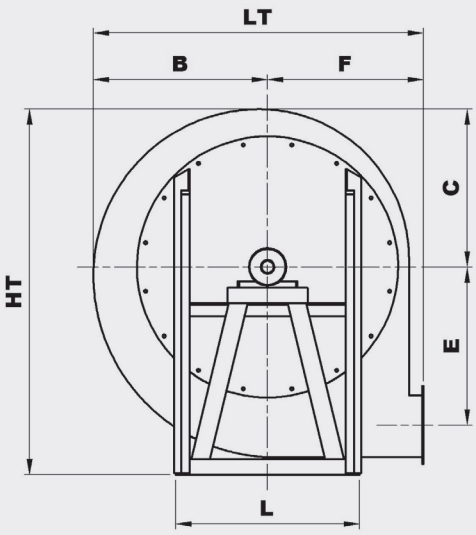


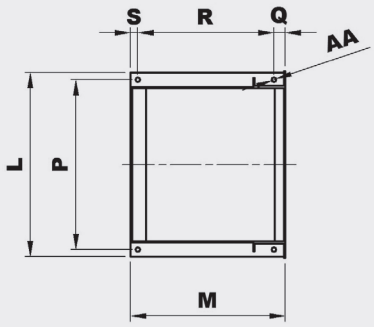

MAX. RPM

≤ 100°C = 2650 rpm
101 ÷ 220°C = 2360 rpm
201 ÷ 300°C = 2120 rpm

## DIMENSIONES (mm)




DESCARGA ORIENTABLE

EJECUCIÓN B
Con rodete de refrigeración, contactar con oficina técnica.

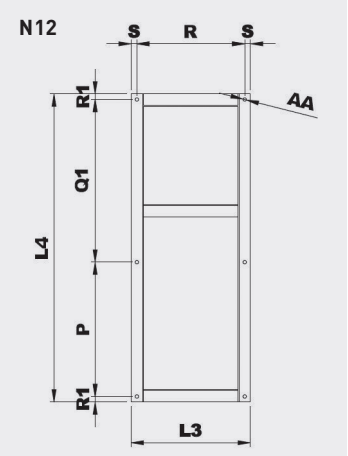
ORIENTACIONES

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LG | 0º | 45º | 90º | 135º | 180º | 225º | 270º | 315º |
| RD | 0º | 45º | 90º | 135º | 180º | 225º | 270º | 315º |
| H | H1 | | | | H2 | | H3 | |

Para estas orientaciones, contactar con oficina técnica

| Modelo | | | | | | | | | | | | | Eje | | Base | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | ØD1 | E | F | G | H | | HT | mxl | Y | LT | L2 | ØD | L | P | M | Q | R | S | ØAA |
| | | | | | | | | H1 | H2 | | | | | | | | | | | | | |
| FC 501 N1A | 665 | 380 | 350 | 182 | 347 | 335 | 46 | 450 | 450 | 800 | M6x20 | 42 | 715 | 60 | 28 | 400 | 355 | 475 | 35 | 417 | 23 | 14 |
| FC 561 N1A | 665 | 430 | 390 | 200 | 393 | 375 | 50 | 500 | 500 | 890 | M6x20 | 47 | 805 | 60 | 28 | 400 | 355 | 457 | 23 | 411 | 23 | 14 |
| FC 631 N1A | 715 | 485 | 440 | 219 | 443 | 425 | 55 | 560 | 560 | 1000 | M6x20 | 53 | 910 | 80 | 38 | 400 | 355 | 475 | 23 | 429 | 23 | 14 |
| FC 711 N1A | 865 | 540 | 490 | 241 | 497 | 475 | 60 | 530 | 630 | 1120 | M6x20 | 58 | 1015 | 110 | 42 | 588 | 534 | 588 | 41 | 519 | 28 | 17 |
| FC 801 N1A | 875 | 610 | 550 | 265 | 560 | 530 | 68 | 600 | 710 | 1260 | M6x20 | 64 | 1140 | 110 | 42 | 628 | 574 | 583 | 36 | 519 | 28 | 17 |
| FC 901 N1A | 900 | 685 | 620 | 292 | 631 | 600 | 74 | 670 | 800 | 1420 | M8x25 | 72 | 1285 | 110 | 48 | 708 | 654 | 580 | 28 | 524 | 28 | 17 |
| FC 1001 N1A | 1000 | 760 | 690 | 332 | 707 | 670 | 85 | 750 | 900 | 1590 | M8x25 | 83 | 1430 | 110 | 48 | 826 | 762 | 642 | 33 | 576 | 33 | 19 |
| FC 1121 N1A | 1025 | 850 | 760 | 366 | 796 | 750 | 95 | 850 | 1000 | 1760 | M8x25 | 92 | 1600 | 110 | 55 | 926 | 862 | 666 | 42 | 591 | 33 | 19 |

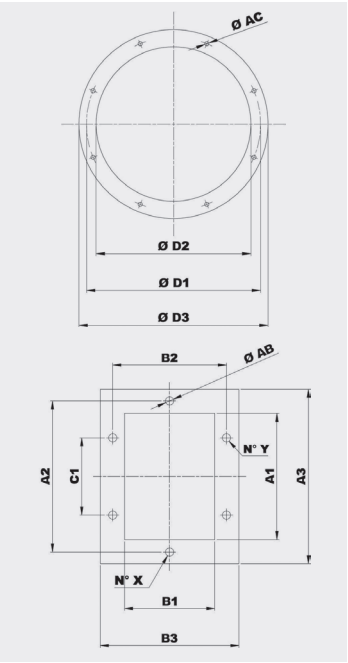
## DIMENSIONES (mm)




Bancada ejecución 12

| Modelo | P | L3 | L4 | Q1 | R | R1 | S | ØAA | Peso (kg) |
|---|---|---|---|---|---|---|---|---|---|
| 501 N12A | 355 | 463 | 1060 | 661 | 417 | 22 | 23 | 14 | 21 |
| 561 N12A | 355 | 457 | 1120 | 721 | 411 | 22 | 23 | 14 | 21 |
| 631 N12A | 355 | 475 | 1180 | 781 | 429 | 22 | 23 | 14 | 23 |
| 711 N12A | 534 | 575 | 1250 | 662 | 519 | 27 | 28 | 17 | 32 |
| 801 N12A | 574 | 575 | 1400 | 772 | 519 | 27 | 28 | 17 | 35 |
| 901 N12A | 654 | 580 | 1500* | 792* | 524 | 27 | 28 | 17 | 45 |
| 1001 N12A | 762 | 642 | 1700** | 874** | 576 | 32 | 33 | 19 | 60 |
| 1121 N12A | 862 | 657 | 1900 | 974 | 591 | 32 | 33 | 19 | 65 |

* Para motores de talla 250-280, esta cota aumenta en 150 mm
**Para motores de talla 250-280, esta cota aumenta en 100 mm




Brida aspiración

| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 501 | 140 | 182 | 144 | 214 | 8 | 8 |
| 561 | 160 | 200 | 164 | 234 | 8 | 8 |
| 631 | 180 | 219 | 184 | 254 | 8 | 8 |
| 711 | 200 | 241 | 204 | 274 | 8 | 8 |
| 801 | 224 | 265 | 228 | 298 | 8 | 8 |
| 901 | 250 | 292 | 254 | 324 | 10 | 8 |
| 1001 | 280 | 332 | 285 | 365 | 10 | 8 |
| 1121 | 315 | 366 | 320 | 400 | 10 | 8 |

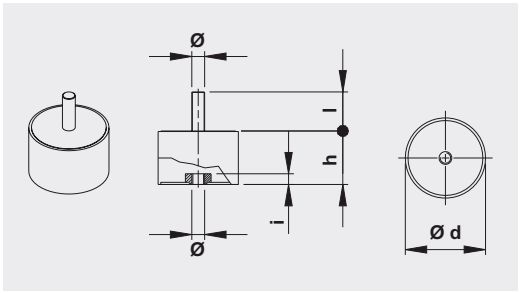
Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 501 | 100x71 | 105 | 76 | 139 | 110 | 165 | 136 | - | 10 | 1+1 | 1+1 |
| 561 | 112x80 | 117 | 85 | 151 | 119 | 177 | 145 | - | 10 | 1+1 | 1+1 |
| 631 | 125x90 | 131 | 95 | 165 | 129 | 191 | 155 | 100 | 10 | 1+1 | 2+2 |
| 711 | 140x100 | 146 | 105 | 182 | 139 | 216 | 175 | 112 | 12 | 1+1 | 2+2 |
| 801 | 160x112 | 164 | 117 | 200 | 151 | 234 | 187 | 112 | 12 | 1+1 | 2+2 |
| 901 | 180x125 | 183 | 131 | 219 | 165 | 253 | 201 | 112 | 12 | 1+1 | 2+2 |
| 1001 | 200x140 | 205 | 146 | 241 | 182 | 275 | 216 | 112 | 12 | 2+2 | 2+2 |
| 1121 | 224x160 | 229 | 164 | 265 | 200 | 299 | 234 | 112 | 12 | 2+2 | 2+2 |

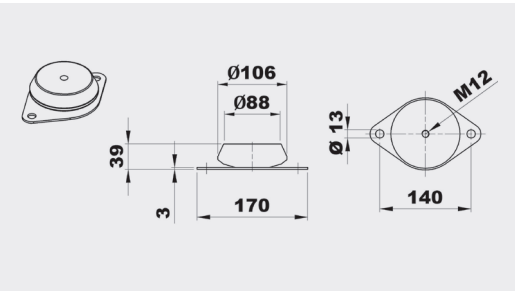
## AMORTIGUADORES

Amortiguadores recomendados

| Ventilador | Ejecución 9 | Ejecución 12 |
|---|---|---|
| 501 | 4 x AM 30 - 30x30 | 4 x AM 40 - 40x30 |
| 561 | 4 x AM 30 - 30x30 | 4 x AM 40 - 40x30 |
| 631/2 | 4 x AM 40 - 40x30 | 4 x AM 50 - 50x40 |
| 711/2 | 4 x AM 50 - 50x40 | 4 x AM 50 - 50x30 |
| 801/2 | 4 x AM 50 - 50x40 | 4 x AM 75 - 75x50 |
| 901/2 | 4 x AM 75 - 75x50 | 4 x AM 75 - 75x50 |
| 1001/2 | 4 x AM 75 - 75x50 | 4 x AZ 39 - 140x39 |
| 1121/2 | 4 x AZ 39 - 140x39 | 4 x AZ 39 - 140x39 |

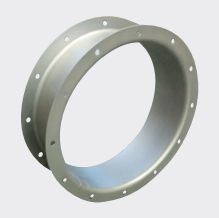



| Tipo | Carga para 4 soportes (kg) | d | h | Ø | l | Peso (kg) |
|---|---|---|---|---|---|---|
| AM 30 | 81÷140 | 30 | 30 | M8 | 20 | 0,05 |
| AM 40 | 141÷224 | 40 | 30 | M8 | 23 | 0,10 |
| AM 50 | 225÷315 | 50 | 40 | M10 | 28 | 0,20 |
| AM 75 | 316÷630 | 75 | 50 | M12 | 37 | 0,50 |

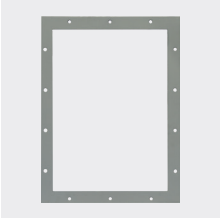



| Tipo | Carga para 4 soportes (kg) | Peso (kg) |
|---|---|---|
| AZ 39 | 631÷1250 | 0,7 |

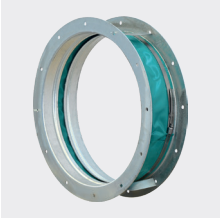
## ACCESORIOS



**CA (CFH1) - CFH2 - CFH3**
Contrabrida - Brida plana circular.



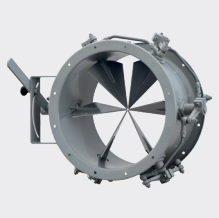
**CP**
Brida plana rectangular.



**GA**
Junta flexible aspiración.



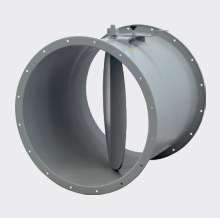
**GP**
Junta flexible descarga.



**DP**
Regulador de caudal de aspiración.



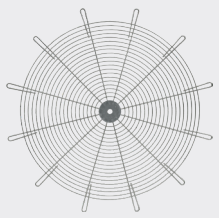
**SAD**
Compuerta de regulación de caudal de descarga.



**SF**
Vávula mariposa.



**DF**
Filtro en la aspiración.



**RC**
Rejilla de protección para la aspiración.



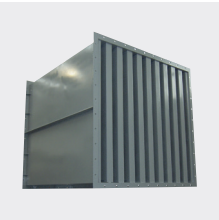
**AM/AZ**
Soportes antivibratorios.



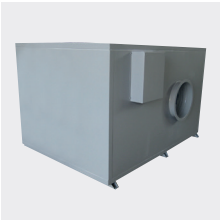
**SCSO**
Silenciador cilíndrico.



**SCCO**
Silenciador cilíndrico con bulbo.



**SASS**
Silenciador rectangular.



**CI**
Cabina de insonorización.

Ver información completa en página **772**.

# FE-N

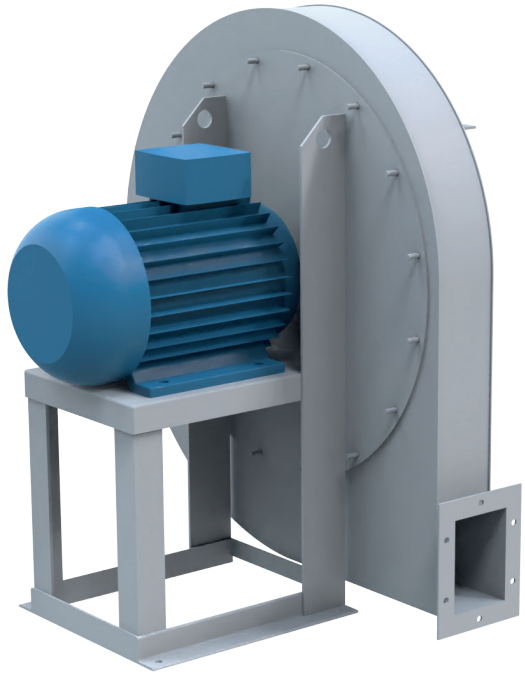
## VENTILADORES CENTRÍFUGOS DE ALTA PRESIÓN

*ACOPLAMIENTO DIRECTO*

ErP OK

Silent Kit*

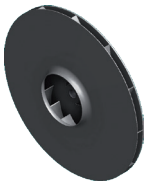
Ventilador centrífugo de acoplamiento directo y simple aspiración. Fabricados en chapa de acero protegida contra la corrosión mediante tratamiento por cataforesis + pintura poliuretana. Temperaturas del aire a transportar -20ºC/+100ºC en continuo.



APLICACIONES

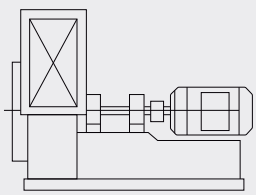
**Aire a transportar**
Aire limpio

**Cantidad de polvo (mg/m³)**
<50



Rodete de álabes curvados hacia atrás

**SISTEMA 8:** acoplamiento mediante junta elástica.



Disponible bajo pedido

*Silent Kit opcional.

### Motores

De 2 polos, de alta eficiencia IE 3*, tensión de alimentación trifásica 230/400V 50Hz hasta tamaño motor 112 y 400/690V 50Hz para motores de mayor dimensión. Protección IP55, Clase F.

* Entre 75 y 200kW, los motores suministrados serán IE4.

### Bajo pedido

- Fabricación en diferentes materiales constructivos.
- Motores de 2 velocidades.
- Versiones de 60 Hz.
- Pintura en diferentes RAL.
- Versión sin pie soporte (Motor-Brida, Sistema 5), hasta tamaño de motor 160.
- Versión para alta temperatura: hasta 220ºC (versiones B: con rodete de refrigeración).
- SISTEMA 8: acoplamiento mediante junta elástica.
- Trampilla de inspección, purga de drenaje, distintos tipos de estanqueidad a nivel de voluta y de paso de eje.
- Ventiladores estancos.
- Calorifugado.

### Versiones ATEX

Bajo pedido, versiones antiexplosivas según la Directiva ATEX para modelos trifásicos:
Para trabajar a temperaturas de -20ºC a +60ºC, presión ambiente (absoluta) de 0,8 bar hasta 1,1 bar, según EN 14986.

- Gas:
  - Ex 2G IIB T2-T3-T4*
  - Ex 2G IIB+H2 T2-T3-T4*
  - Ex 3G IIB T2-T3-T4*
  - Ex 3G IIB+H2 T2-T3-T4*
- Polvo no conductivo:
  - Ex 2D IIIB T125°C*-T135°C*-T195°C-T295°C
  - Ex 3D IIIB T125°C*-T135°C*-T195°C-T295°C
- Polvo conductivo (con motor IP65 IIIC):
  - Ex 2D IIIC T125°C*-T135°C*-T195°C-T295°C
  - Ex 3D IIIC T125°C*-T135°C*-T195°C-T295°C

* Viabilidad técnica solicitada.

## CARACTERÍSTICAS TÉCNICAS

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación

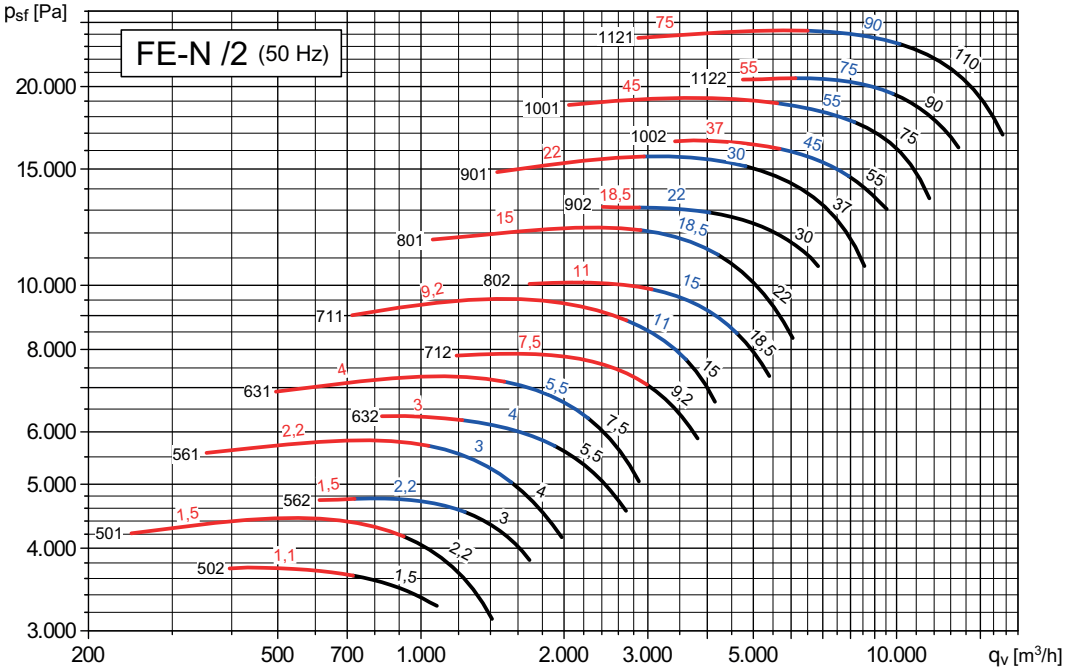
| Modelo | Tamaño motor | Velocidad (r.p.m.) | Potencia motor (kW) | Intensidad motor 400V (A) | Caudal máximo ($m^3/h$) | Nivel presión sonora a 1 m (dB(A))[1] | Peso (kg)[2] | Momento de inercia ($kg \cdot m^2$)[3] |
|---|---|---|---|---|---|---|---|---|
| 2 POLOS | | | | | | | | |
| FE 502/2 N4A | 80B2 | 2840 | 1,1 | 2,33 | 720 | 74 | 66 | 0,28 |
| FE 502/2 N4A | 90S2 | 2840 | 1,5 | 3,07 | 1.080 | 76 | 69 | 0,28 |
| FE 501/2 N4A | 90S2 | 2840 | 1,5 | 3,07 | 860 | 76 | 69 | 0,30 |
| FE 501/2 N4A | 90L2 | 2850 | 2,2 | 4,43 | 1.410 | 76 | 73 | 0,30 |
| FE 562/2 N4A | 90S2 | 2840 | 1,5 | 3,07 | 670 | 78 | 98 | 0,45 |
| FE 562/2 N4A | 90L2 | 2850 | 2,2 | 4,43 | 1.180 | 78 | 101 | 0,45 |
| FE 562/2 N4A | 100LA2 | 2900 | 3,0 | 5,77 | 1.690 | 79 | 109 | 0,45 |
| FE 561/2 N4A | 90L2 | 2850 | 2,2 | 4,43 | 780 | 79 | 103 | 0,55 |
| FE 561/2 N4A | 100LA2 | 2900 | 3,0 | 5,77 | 1.380 | 80 | 111 | 0,55 |
| FE 561/2 N4A | 112M2 | 2910 | 4,0 | 7,50 | 1.980 | 80 | 116 | 0,55 |
| FE 632/2 N4A | 100LA2 | 2900 | 3,0 | 5,77 | 930 | 81 | 132 | 0,80 |
| FE 632/2 N4A | 112M2 | 2910 | 4,0 | 7,50 | 1.620 | 81 | 137 | 0,80 |
| FE 632/2 N4A | 132SA2 | 2890 | 5,5 | 10,10 | 2.700 | 81 | 151 | 0,80 |
| FE 631/2 N4A | 112M2 | 2910 | 4,0 | 7,50 | 1.120 | 82 | 140 | 0,93 |
| FE 631/2 N4A | 132SA2 | 2890 | 5,5 | 10,10 | 2.000 | 86 | 154 | 0,93 |
| FE 631/2 N4A | 132SB2 | 2890 | 7,5 | 13,90 | 2.870 | 86 | 160 | 0,93 |
| FE 712/2 N4A | 132SB2 | 2935 | 7,5 | 13,90 | 2.430 | 89 | 193 | 1,40 |
| FE 712/2 N4A | 132MB2 | 2900 | 9,2 | 16,60 | 3.820 | 87 | 200 | 1,40 |
| FE 711/2 N4A | 132MB2 | 2900 | 9,2 | 16,60 | 2.340 | 87 | 204 | 1,70 |
| FE 711/2 N4A | 160MR2 | 2930 | 11,0 | 18,70 | 3.250 | 88 | 228 | 1,70 |
| FE 711/2 N4A | 160M2 | 2935 | 15,0 | 25,40 | 4.150 | 88 | 234 | 1,70 |
| FE 802/2 N4A | 160MR2 | 2930 | 11,0 | 18,70 | 4.030 | 89 | 265 | 2,30 |
| FE 802/2 N4A | 160M2 | 2935 | 15,0 | 25,40 | 4.420 | 89 | 271 | 2,30 |
| FE 802/2 N4A | 160L2 | 2935 | 18,5 | 33,30 | 5.400 | 89 | 282 | 2,30 |
| FE 801/2 N4A | 160M2 | 2935 | 15,0 | 25,40 | 2.630 | 89 | 276 | 2,80 |
| FE 801/2 N4A | 160L2 | 2935 | 18,5 | 33,30 | 3.950 | 89 | 287 | 2,80 |
| FE 801/2 N4A | 180M2 | 2940 | 22,0 | 39,00 | 6.050 | 91 | 309 | 2,80 |
| FE 902/2 N4A | 160L2 | 2935 | 18,5 | 33,30 | 3.810 | 90 | 404 | 4,00 |
| FE 902/2 N4A | 180M2 | 2940 | 22,0 | 39,00 | 3.810 | 92 | 426 | 4,00 |
| FE 902/2 N4A | 200LR2 | 2960 | 30,0 | 53,50 | 6.840 | 92 | 541 | 4,00 |
| FE 901/2 N4A | 180M2 | 2940 | 22,0 | 39,00 | 2.570 | 93 | 432 | 4,50 |
| FE 901/2 N4A | 200LR2 | 2960 | 30,0 | 53,50 | 4.820 | 93 | 547 | 4,50 |
| FE 901/2 N4A | 200L2 | 2960 | 37,0 | 65,60 | 8.560 | 93 | 558 | 4,50 |
| FE 1002/2 N4A | 200L2 | 2960 | 37,0 | 65,60 | 5.350 | 94 | 634 | 7,00 |
| FE 1002/2 N4A | 225M2 | 2960 | 45,0 | 77,60 | 7.610 | 94 | 678 | 7,00 |
| FE 1002/2 N4A | 250M2 | 2960 | 55,0 | 93,50 | 9.540 | 94 | 750 | 7,00 |
| FE 1001/2 N4A | 225M2 | 2960 | 45,0 | 77,60 | 5.100 | 94 | 685 | 8,50 |
| FE 1001/2 N4A | 250M2 | 2960 | 55,0 | 93,50 | 7.650 | 94 | 757 | 8,50 |
| FE 1001/2 N4A | 280S2 | 2960 | 75,0 | 126,00 | 11.720 | 94 | 856 | 8,50 |
| FE 1122/2 N4A | 250M2 | 2960 | 55,0 | 93,50 | 5.670 | 96 | 864 | 10,50 |
| FE 1122/2 N4A | 280S2 | 2960 | 75,0 | 126,00 | 9.360 | 96 | 963 | 10,50 |
| FE 1122/2 N4A | 280M2 | 2960 | 90,0 | 151,00 | 13.500 | 96 | 996 | 10,50 |
| FE 1121/2 N4A | 280S2 | 2960 | 75,0 | 126,00 | 5.780 | 97 | 971 | 12,80 |
| FE 1121/2 N4A | 280M2 | 2960 | 90,0 | 151,00 | 9.420 | 97 | 1.004 | 12,80 |
| FE 1121/2 N4A | 315S2 | 2970 | 110,0 | 186,00 | 16.710 | 97 | 1.163 | 12,80 |

[1] Entubado en la descarga
Tolerancia del nivel de ruido de +3dB/A, medido en el punto de máxima eficiencia
[2] Con motor incluido y para orientación LG270 o RD270
[3] Momento de inercia del rodete

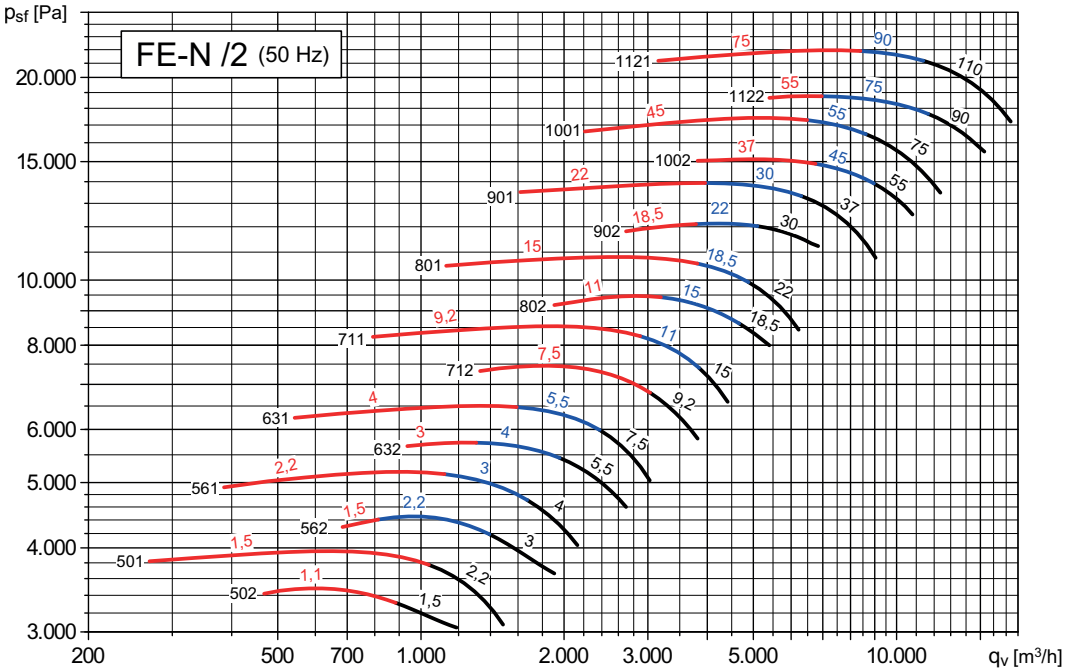
## CURVAS CARACTERÍSTICAS (a la descarga/ a la aspiración)

- Ventiladores ensayados con la aspiración y la descarga entubadas
- Caudal en $m^3/h$
- **Psf: Presión estática en Pa**
- Modelo - Potencia motor en kW
- Ejemplo: 901 - 22, 30 o 37
  Modelo - kW

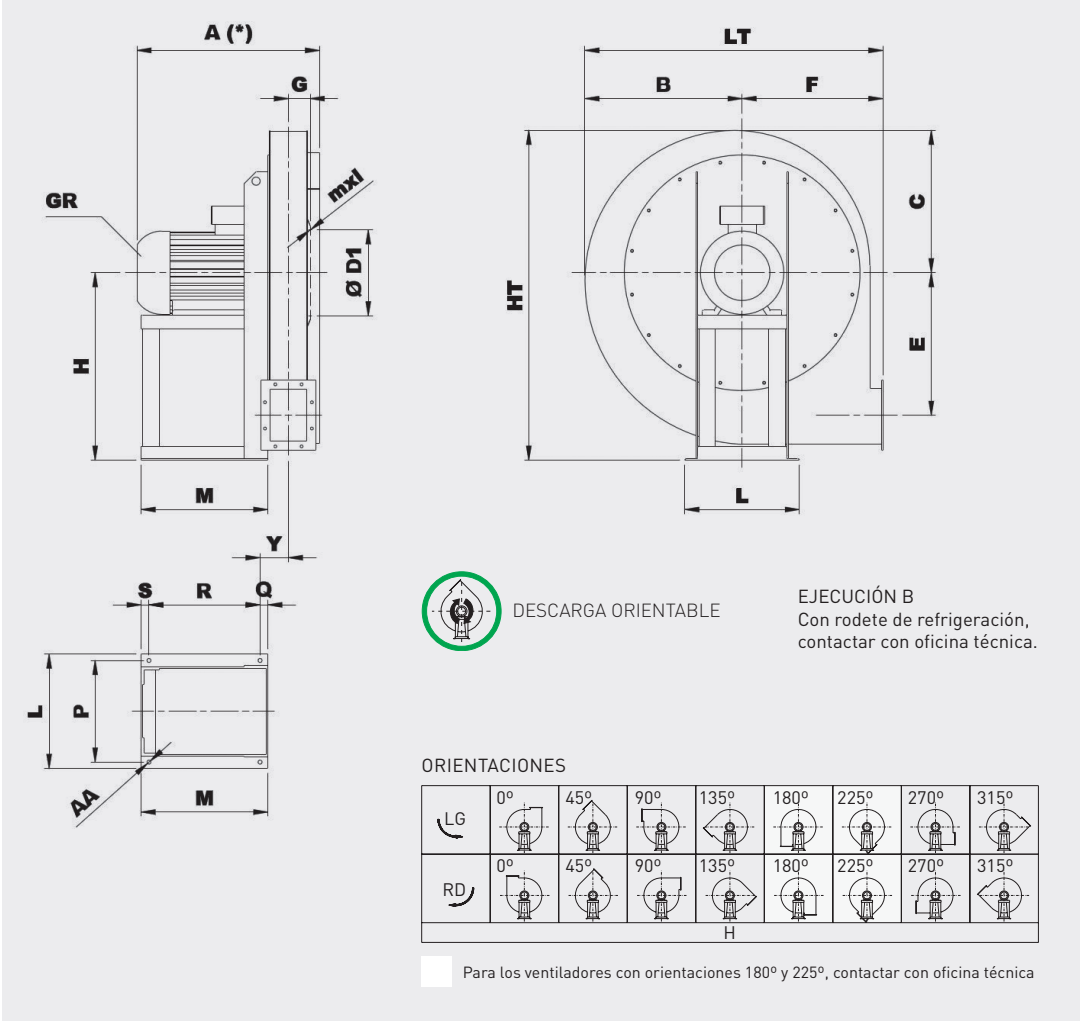
2 polos - Descarga - Modelos desde 501 hasta 1121




2 polos - Aspiración - Modelos desde 501 hasta 1121



## DIMENSIONES (mm)

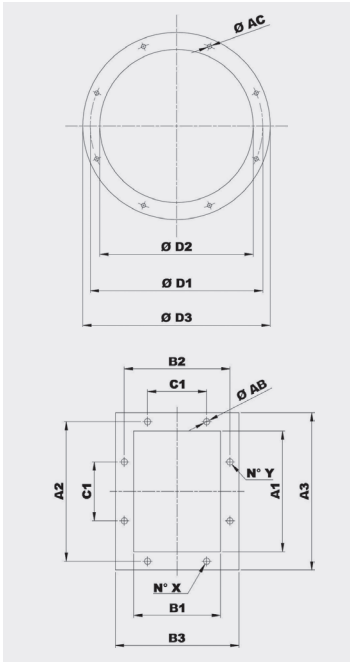



| Modelo | | | | | | | | | | | | | Base | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Motor GR | A* | B | C | ØD1 | E | F | G | H | HT | mxl | Y | LT | L | P | M | Q | R | S | ØAA |
| FE 501/2 N4A | 90L2 | 435 | 380 | 350 | 219 | 334 | 335 | 55 | 450 | 800 | M6x20 | 112 | 715 | 260 | 234 | 260 | 60 | 183 | 17 | 10 |
| FE 501/2 N4A | 90S2 | 410 | 380 | 350 | 219 | 334 | 335 | 55 | 450 | 800 | M6x20 | 112 | 715 | 260 | 234 | 260 | 60 | 183 | 17 | 10 |
| FE 502/2 N4A | 80B2 | 400 | 380 | 350 | 219 | 334 | 335 | 55 | 450 | 800 | M6x20 | 97 | 715 | 225 | 203 | 225 | 45 | 166 | 14 | 10 |
| FE 502/2 N4A | 90S2 | 410 | 380 | 350 | 219 | 334 | 335 | 55 | 450 | 800 | M6x20 | 112 | 715 | 260 | 234 | 260 | 60 | 183 | 17 | 10 |
| FE 561/2 N4A | 90L2 | 465 | 430 | 390 | 241 | 379 | 375 | 60 | 500 | 890 | M6x20 | 117 | 805 | 260 | 234 | 260 | 60 | 183 | 17 | 10 |
| FE 561/2 N4A | 100LA2 | 500 | 430 | 390 | 241 | 379 | 375 | 60 | 500 | 890 | M6x20 | 80 | 805 | 324 | 289 | 295 | 23 | 249 | 23 | 12 |
| FE 561/2 N4A | 112M2 | 540 | 430 | 390 | 241 | 379 | 375 | 60 | 500 | 890 | M6x20 | 80 | 805 | 324 | 289 | 310 | 23 | 264 | 23 | 12 |
| FE 562/2 N4A | 100LA2 | 500 | 430 | 390 | 241 | 379 | 375 | 60 | 500 | 890 | M6x20 | 80 | 805 | 324 | 289 | 295 | 23 | 249 | 23 | 12 |
| FE 562/2 N4A | 90L2 | 465 | 430 | 390 | 241 | 379 | 375 | 60 | 500 | 890 | M6x20 | 117 | 805 | 260 | 234 | 260 | 60 | 183 | 17 | 10 |
| FE 562/2 N4A | 90S2 | 440 | 430 | 390 | 241 | 379 | 375 | 60 | 500 | 890 | M6x20 | 117 | 805 | 260 | 234 | 260 | 60 | 183 | 17 | 10 |
| FE 631/2 N4A | 132SA2 | 600 | 485 | 440 | 265 | 427 | 425 | 68 | 560 | 1000 | M6x20 | 86 | 910 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| FE 631/2 N4A | 112M2 | 580 | 485 | 440 | 265 | 427 | 425 | 68 | 560 | 1000 | M6x20 | 86 | 910 | 324 | 289 | 310 | 23 | 264 | 23 | 12 |
| FE 631/2 N4A | 132SB2 | 600 | 485 | 440 | 265 | 427 | 425 | 68 | 560 | 1000 | M6x20 | 86 | 910 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| FE 632/2 N4A | 112M2 | 580 | 485 | 440 | 265 | 427 | 425 | 68 | 560 | 1000 | M6x20 | 86 | 910 | 324 | 289 | 310 | 23 | 264 | 23 | 12 |
| FE 632/2 N4A | 132SA2 | 600 | 485 | 440 | 265 | 427 | 425 | 68 | 560 | 1000 | M6x20 | 86 | 910 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| FE 632/2 N4A | 100LA2 | 540 | 485 | 440 | 265 | 427 | 425 | 68 | 560 | 1000 | M6x20 | 86 | 910 | 324 | 289 | 295 | 23 | 249 | 23 | 12 |
| FE 711/2 N4A | 132MB2 | 650 | 540 | 490 | 292 | 478 | 475 | 75 | 630 | 1120 | M8x25 | 94 | 1015 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| FE 711/2 N4A | 160M2 | 735 | 540 | 490 | 292 | 478 | 475 | 75 | 630 | 1120 | M8x25 | 99 | 1015 | 440 | 395 | 470 | 28 | 414 | 28 | 14 |
| FE 711/2 N4A | 160MR2 | 735 | 540 | 490 | 292 | 478 | 475 | 75 | 630 | 1120 | M8x25 | 99 | 1015 | 440 | 395 | 470 | 28 | 414 | 28 | 14 |
| FE 712/2 N4A | 132MB2 | 650 | 540 | 490 | 292 | 478 | 475 | 75 | 630 | 1120 | M8x25 | 94 | 1015 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| FE 712/2 N4A | 132SB2 | 610 | 540 | 490 | 292 | 478 | 475 | 75 | 630 | 1120 | M8x25 | 94 | 1015 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| FE 712/2 N4A | 160MR2 | 735 | 540 | 490 | 292 | 478 | 475 | 75 | 630 | 1120 | M8x25 | 99 | 1015 | 440 | 395 | 470 | 28 | 414 | 28 | 14 |
| FE 801/2 N4A | 160L2 | 750 | 610 | 550 | 332 | 539 | 530 | 82 | 710 | 1260 | M8x25 | 107 | 1140 | 440 | 395 | 470 | 28 | 414 | 28 | 14 |

* Según tamaño motor

| Modelo | | | | | | | | | | | | | Base | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Motor GR | A* | B | C | ØD1 | E | F | G | H | HT | mxl | Y | LT | L | P | M | Q | R | S | ØAA |
| FE 801/2 N4A | 160M2 | 750 | 610 | 550 | 332 | 539 | 530 | 82 | 710 | 1260 | M8x25 | 107 | 1140 | 440 | 395 | 470 | 28 | 414 | 28 | 14 |
| FE 801/2 N4A | 180M2 | 790 | 610 | 550 | 332 | 539 | 530 | 82 | 710 | 1260 | M8x25 | 112 | 1140 | 488 | 434 | 540 | 33 | 474 | 33 | 17 |
| FE 802/2 N4A | 160L2 | 750 | 610 | 550 | 332 | 539 | 530 | 82 | 710 | 1260 | M8x25 | 107 | 1140 | 440 | 395 | 470 | 28 | 414 | 28 | 14 |
| FE 802/2 N4A | 160M2 | 750 | 610 | 550 | 332 | 539 | 530 | 82 | 710 | 1260 | M8x25 | 107 | 1140 | 440 | 395 | 470 | 28 | 414 | 28 | 14 |
| FE 802/2 N4A | 160MR2 | 750 | 610 | 550 | 332 | 539 | 530 | 82 | 710 | 1260 | M8x25 | 107 | 1140 | 440 | 395 | 470 | 28 | 414 | 28 | 14 |
| FE 901/2 N4A | 180M2 | 835 | 685 | 620 | 366 | 608 | 600 | 93 | 800 | 1420 | M8x25 | 122 | 1285 | 488 | 434 | 540 | 33 | 474 | 33 | 17 |
| FE 901/2 N4A | 200L2 | 960 | 685 | 620 | 366 | 608 | 600 | 93 | 800 | 1420 | M8x25 | 169 | 1285 | 568 | 506 | 575 | 80 | 456 | 39 | 19 |
| FE 901/2 N4A | 200LR2 | 960 | 685 | 620 | 366 | 608 | 600 | 93 | 800 | 1420 | M8x25 | 169 | 1285 | 568 | 506 | 575 | 80 | 456 | 39 | 19 |
| FE 901/2 N4A | 225M2 | 927 | 685 | 620 | 366 | 608 | 600 | 93 | 800 | 1420 | M8x25 | 169 | 1285 | 616 | 556 | 615 | 80 | 496 | 39 | 19 |
| FE 902/2 N4A | 200LR2 | 960 | 685 | 620 | 366 | 608 | 600 | 93 | 800 | 1420 | M8x25 | 169 | 1285 | 568 | 506 | 575 | 80 | 456 | 39 | 19 |
| FE 902/2 N4A | 160L2 | 790 | 685 | 620 | 366 | 608 | 600 | 93 | 800 | 1420 | M8x25 | 117 | 1285 | 440 | 395 | 470 | 28 | 414 | 28 | 14 |
| FE 902/2 N4A | 180M2 | 835 | 685 | 620 | 366 | 608 | 600 | 93 | 800 | 1420 | M8x25 | 122 | 1285 | 488 | 434 | 540 | 33 | 474 | 33 | 17 |
| FE 1001/2 N4A | 250M2 | 1060 | 760 | 690 | 405 | 681 | 670 | 103 | 900 | 1590 | M8x25 | 190 | 1430 | 676 | 604 | 675 | 90 | 541 | 44 | 19 |
| FE 1001/2 N4A | 280S2 | 1210 | 760 | 690 | 405 | 681 | 670 | 103 | 900 | 1590 | M8x25 | 200 | 1430 | 770 | 690 | 765 | 100 | 615 | 50 | 21 |
| FE 1001/2 N4A | 225M2 | 1000 | 760 | 690 | 405 | 681 | 670 | 103 | 900 | 1590 | M8x25 | 180 | 1430 | 616 | 556 | 615 | 80 | 496 | 39 | 19 |
| FE 1002/2 N4A | 200L2 | 970 | 760 | 690 | 405 | 681 | 670 | 103 | 900 | 1590 | M8x25 | 180 | 1430 | 568 | 506 | 575 | 80 | 456 | 39 | 19 |
| FE 1002/2 N4A | 225M2 | 1000 | 760 | 690 | 405 | 681 | 670 | 103 | 900 | 1590 | M8x25 | 180 | 1430 | 616 | 556 | 615 | 80 | 496 | 39 | 19 |
| FE 1002/2 N4A | 250M2 | 1060 | 760 | 690 | 405 | 681 | 670 | 103 | 900 | 1590 | M8x25 | 190 | 1430 | 676 | 604 | 675 | 90 | 541 | 44 | 19 |
| FE 1121/2 N4A | 280M2 | 1225 | 850 | 760 | 448 | 766 | 750 | 114 | 1000 | 1760 | M8x25 | 212 | 1600 | 770 | 690 | 757 | 100 | 607 | 50 | 21 |
| FE 1121/2 N4A | 280S2 | 1225 | 850 | 760 | 448 | 766 | 750 | 114 | 1000 | 1760 | M8x25 | 212 | 1600 | 770 | 690 | 757 | 100 | 607 | 50 | 21 |
| FE 1121/2 N4A | 315S2 | 1235 | 850 | 760 | 448 | 766 | 750 | 114 | 1000 | 1760 | M8x25 | 222 | 1600 | 850 | 760 | 867 | 110 | 702 | 55 | 21 |
| FE 1122/2 N4A | 250M2 | 1075 | 850 | 760 | 448 | 766 | 750 | 114 | 1000 | 1760 | M8x25 | 202 | 1600 | 676 | 604 | 667 | 90 | 533 | 44 | 19 |

* Según tamaño motor




Brida aspiración

| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 501 | 180 | 219 | 184 | 254 | 8 | 8 |
| 561 | 200 | 241 | 204 | 274 | 8 | 8 |
| 631 | 224 | 265 | 228 | 298 | 8 | 8 |
| 711 | 250 | 292 | 254 | 324 | 10 | 8 |
| 801 | 280 | 332 | 285 | 365 | 10 | 8 |
| 901 | 315 | 366 | 320 | 400 | 10 | 8 |
| 1001 | 355 | 405 | 360 | 440 | 10 | 8 |
| 1121 | 400 | 448 | 405 | 485 | 10 | 12 |

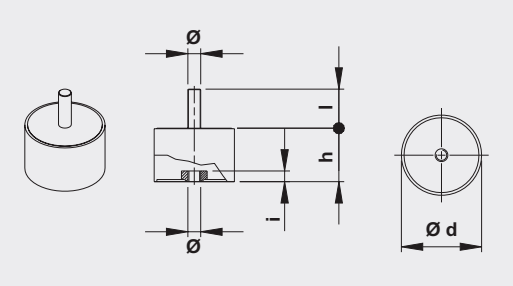
Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 501 | 125x90 | 131 | 95 | 165 | 129 | 191 | 155 | 100 | 10 | 1+1 | 2+2 |
| 561 | 140x100 | 146 | 105 | 182 | 139 | 216 | 175 | 112 | 12 | 1+1 | 2+2 |
| 631 | 160x112 | 164 | 117 | 200 | 151 | 234 | 187 | 112 | 12 | 1+1 | 2+2 |
| 711 | 180x125 | 183 | 131 | 219 | 165 | 253 | 201 | 112 | 12 | 1+1 | 2+2 |
| 801 | 200x140 | 205 | 146 | 241 | 182 | 275 | 216 | 112 | 12 | 2+2 | 2+2 |
| 901 | 224x160 | 229 | 164 | 265 | 200 | 299 | 234 | 112 | 12 | 2+2 | 2+2 |
| 1001 | 250x180 | 256 | 183 | 292 | 219 | 326 | 253 | 112 | 12 | 2+2 | 3+3 |
| 1121 | 280x200 | 288 | 205 | 332 | 249 | 368 | 285 | 125 | 12 | 2+2 | 3+3 |

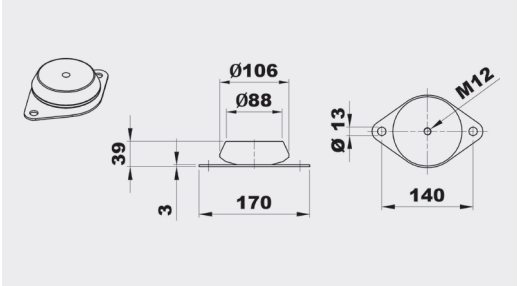
## AMORTIGUADORES

Amortiguadores recomendados

| Ventilador | Ejecución 4 |
|---|---|
| 501/2 | 4 x AM25 - 25x20 |
| 561/2 | 4 x AM30 - 30x30 |
| 631/2 | 4 x AM40 - 40x30 |
| 711/2 | 4 x AM50 - 50x40 |
| 801/2 | 4 x AM75 - 75x50 |
| 901/2 | 4 x AM75 - 75x50 |
| 1001/2 | 4 x AZ 39 - 140x39 |
| 1121/2 | 4 x AZ 39 - 140x39 |

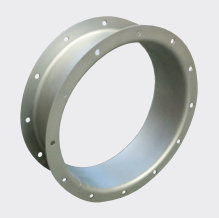



| Tipo | Carga para 4 soportes (kg) | d | h | Ø | l | Peso (kg) |
|---|---|---|---|---|---|---|
| AM 25 | 41÷80 | 25 | 20 | M6 | 18 | 0,03 |
| AM 30 | 81÷140 | 30 | 30 | M8 | 20 | 0,05 |
| AM 40 | 141÷224 | 40 | 30 | M8 | 23 | 0,10 |
| AM 50 | 225÷315 | 50 | 40 | M10 | 28 | 0,20 |
| AM 75 | 316÷630 | 75 | 50 | M12 | 37 | 0,50 |

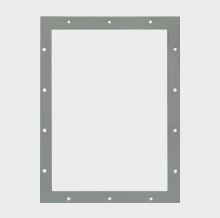



| Tipo | Carga para 4 soportes (kg) | Peso (kg) |
|---|---|---|
| AZ 39 | 631÷1250 | 0,7 |

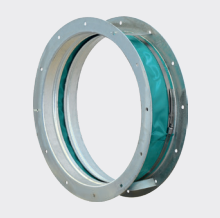
## ACCESORIOS



**CA (CFH1) - CFH2 - CFH3**
Contrabrida - Brida plana circular.



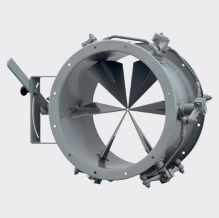
**CP**
Brida plana rectangular.



**GA**
Junta flexible aspiración.



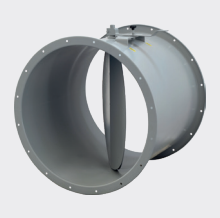
**GP**
Junta flexible descarga.



**DP**
Regulador de caudal de aspiración.



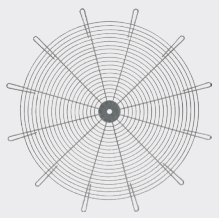
**SAD**
Compuerta de regulación de caudal de descarga.



**SF**
Vávula mariposa.



**DF**
Filtro en la aspiración.



**RC**
Rejilla de protección para la aspiración.



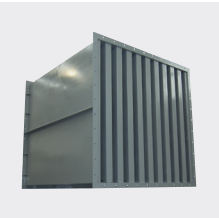
**AM/AZ**
Soportes antivibratorios.



**SCSO**
Silenciador cilíndrico.



**SCCO**
Silenciador cilíndrico con bulbo.



**SASS**
Silenciador rectangular.



**CI**
Cabina de insonorización.

Ver información completa en página **772**.

# FE-N

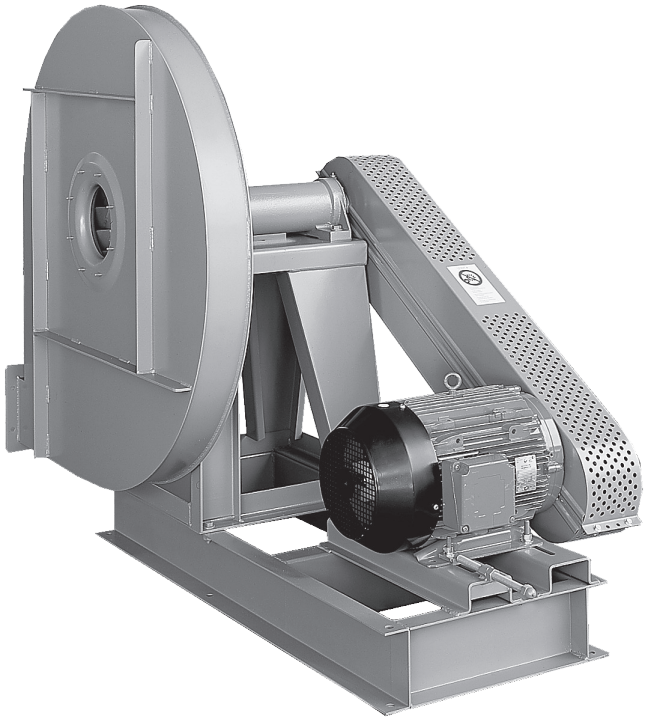
## VENTILADORES CENTRÍFUGOS DE ALTA PRESIÓN

*TRANSMISIÓN*

ErP OK

Silent Kit*

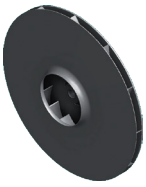
Ventilador centrífugo con accionamiento por poleas y correas y simple aspiración. Fabricados en chapa de acero protegida contra la corrosión mediante tratamiento por cataforesis + pintura poliuretana. Temperaturas del aire a transportar -20ºC/+100ºC en continuo.



APLICACIONES

**Aire a transportar**
Aire limpio

**Cantidad de polvo (mg/m³)**
<50



Rodete de álabes curvados hacia atrás

### Sistemas de montaje

- SISTEMA 1: eje libre, para acoplamiento mediante poleas y correas.
- SISTEMA 9: incluye motor, poleas, correas y protector de correas. Motor montado en el lateral del pie soporte rodamientos.
- SISTEMA 12: incluye motor, poleas, correas y protector de correas. Motor montado sobre la bancada general.

### Motores

De 2, 4 o 6 polos, de alta eficiencia IE 3* (las r.p.m. de cada motor se adaptarán al cálculo de cada transmisión), tensión de alimentación trifásica 230/400V 50Hz hasta tamaño motor 112 y 400/690V 50Hz para motores de mayor dimensión. Protección IP55, Clase F.

* Entre 75 y 200kW, los motores suministrados serán IE4.

### Bajo pedido

- Fabricación en diferentes materiales constructivos.
- Motores de 2 velocidades.
- Versiones de 60 Hz.
- Pintura en diferentes RAL.
- Versión para alta temperatura: hasta 300ºC (versiones B: con rodete de refrigeración).
- Trampilla de inspección, purga de drenaje, distintos tipos de estanqueidad a nivel de voluta y de paso de eje.
- Ventiladores estancos.
- Calorifugado.

### Versiones ATEX

Bajo pedido, versiones antiexplosivas según la Directiva ATEX para modelos trifásicos: Para trabajar a temperaturas de -20ºC a +60ºC, presión ambiente (absoluta) de 0,8 bar hasta 1,1 bar, según EN 14986.

- Gas:
  - Ex 2G IIB T2-T3
  - Ex 2G IIB+H2 T2-T3
  - Ex 3G IIB T2-T3
  - Ex 3G IIB+H2 T2-T3
- Polvo no conductivo:
  - Ex 2D IIIB T195°C-T295°C
  - Ex 3D IIIB T195°C-T295°C
- Polvo conductivo (con motor IP65 IIIC):
  - Ex 2D IIIC T195°C-T295°C
  - Ex 3D IIIC T195°C-T295°C

*Silent Kit opcional.

## CARACTERÍSTICAS TÉCNICAS

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación.

| Modelo | Caudal máximo ($m^3/h$) | Potencia motor máxima (kW) | Peso (kg)[1] | Momento de inercia ($kg \cdot m^2$)[2] |
|---|---|---|---|---|
| FE 501 N1A | 2.230 | 4,0 | 68 | 0,30 |
| FE 561 N1A | 2.720 | 5,5 | 90 | 0,55 |
| FE 631 N1A | 3.980 | 9,2 | 130 | 0,93 |
| FE 711 N1A | 5.020 | 11,0 | 175 | 1,70 |
| FE 801 N1A | 7.300 | 15,0 | 220 | 2,80 |
| FE 901 N1A | 9.110 | 30,0 | 375 | 4,50 |
| FE 1001 N1A | 12.470 | 37,0 | 455 | 8,50 |
| FE 1121 N1A | 15.750 | 55,0 | 590 | 12,80 |

[1] Para ejecución 1 y orientación LG270 o RD270
[2] Momento de inercia del rodete

SOPORTES SISTEMA 1

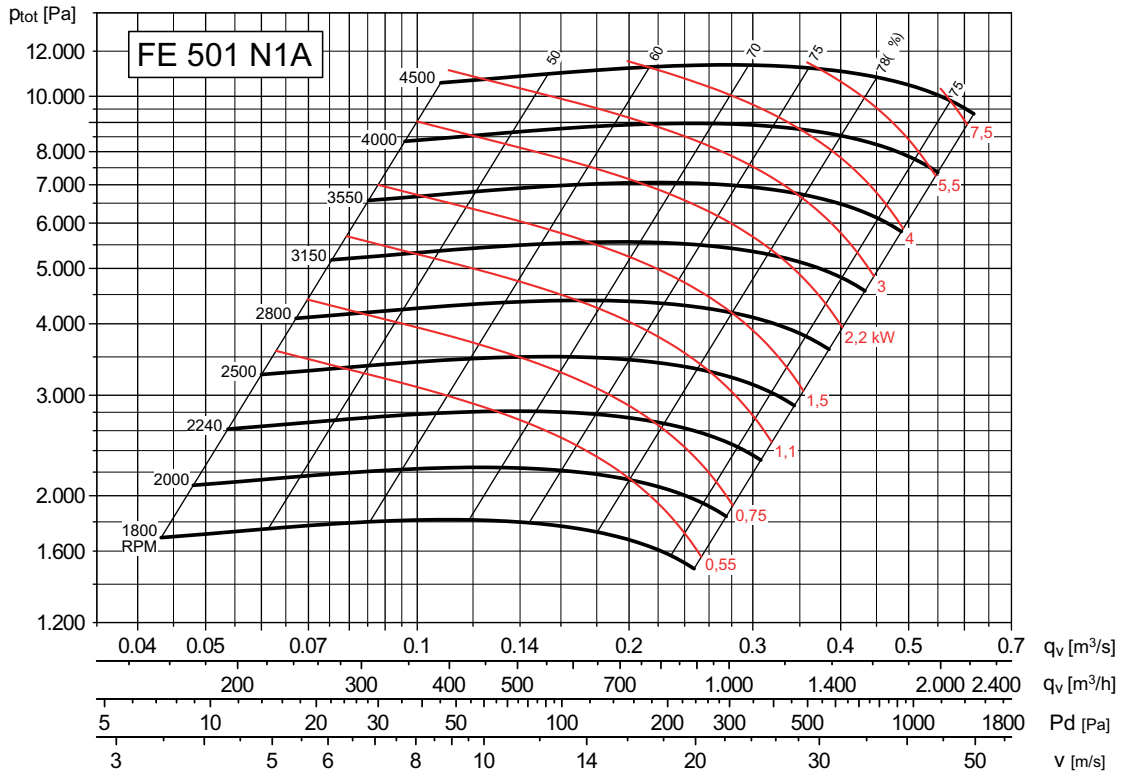
| Modelo | 501-561 | 631 | 711-801 | 901 | 1001 | 1121 |
|---|---|---|---|---|---|---|
| Soporte tipo | ST 80 A28 | ST 90 A38 | ST 100 A42 | ST 110 B48 | ST 120 B48 | ST 130 B55 |

MOTORES SISTEMA 9

| Modelo | 501-631 | 711-901 | 1001-1121 |
|---|---|---|---|
| Tamaño motor | ≤ 132 M2 | ≤ 160 L2 | ≤ 180 L2-4 |

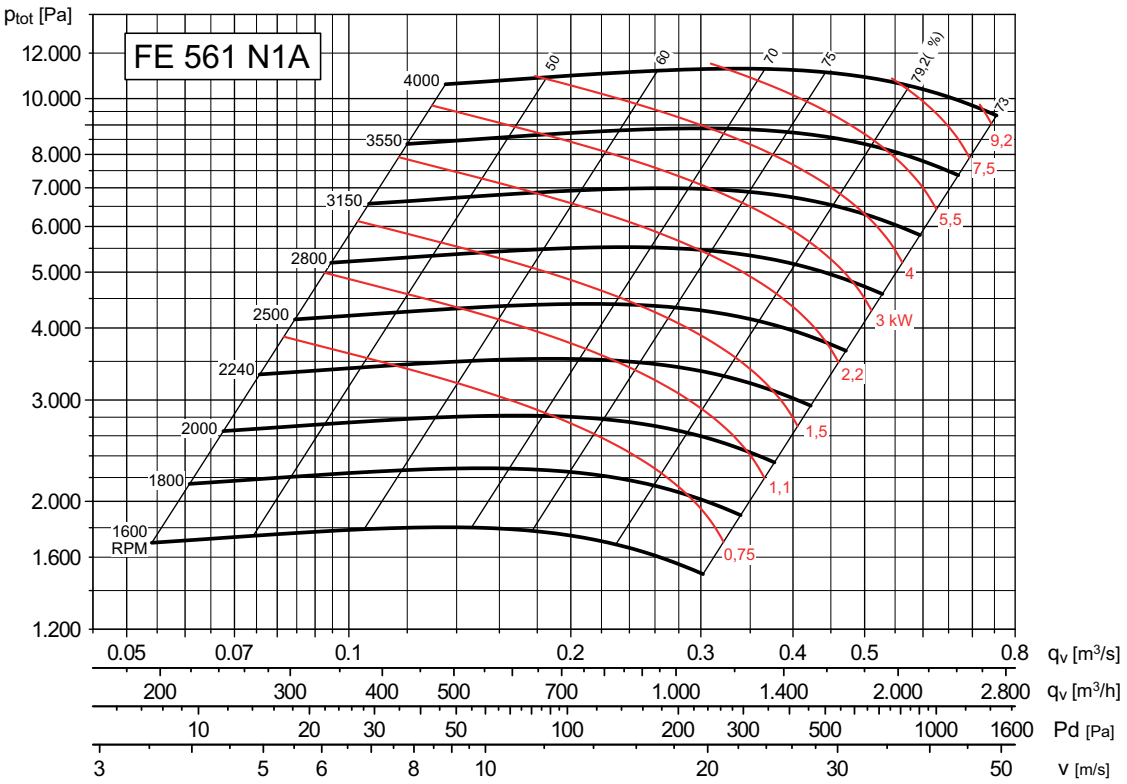
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 4000 rpm
101 ÷ 220°C = 3550 rpm
201 ÷ 300°C = 3150 rpm

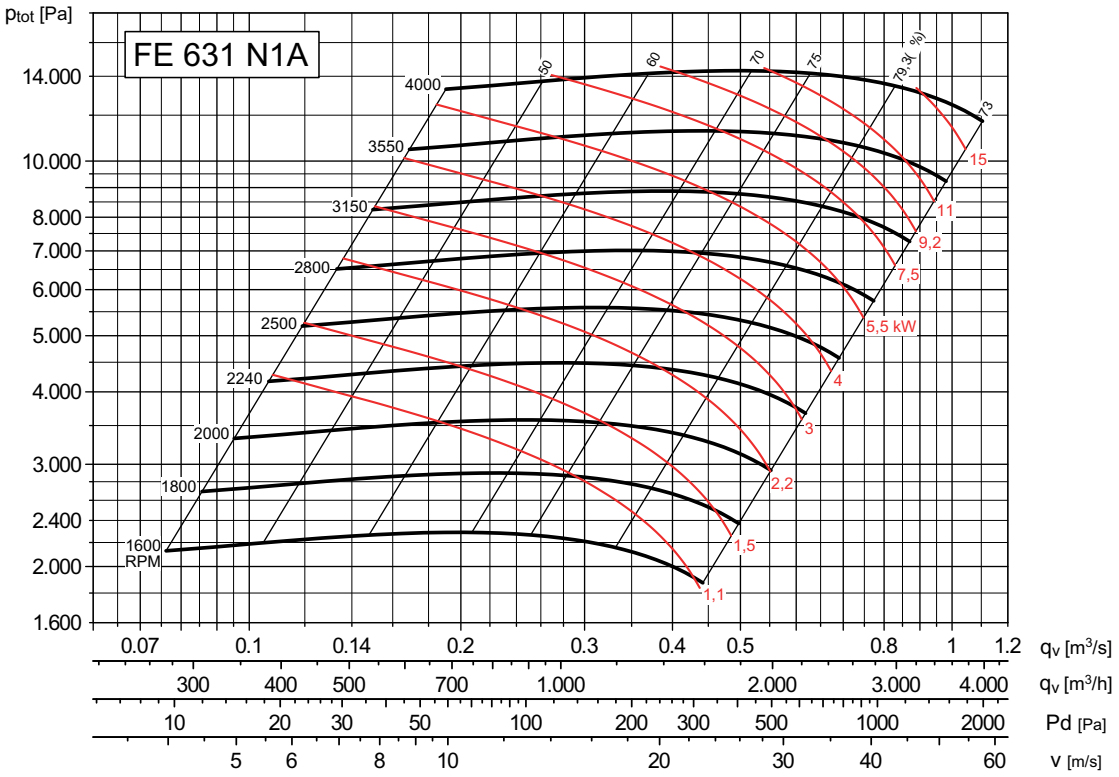



MAX. RPM

≤ 100°C = 3750 rpm
101 ÷ 220°C = 3350 rpm
201 ÷ 300°C = 3000 rpm

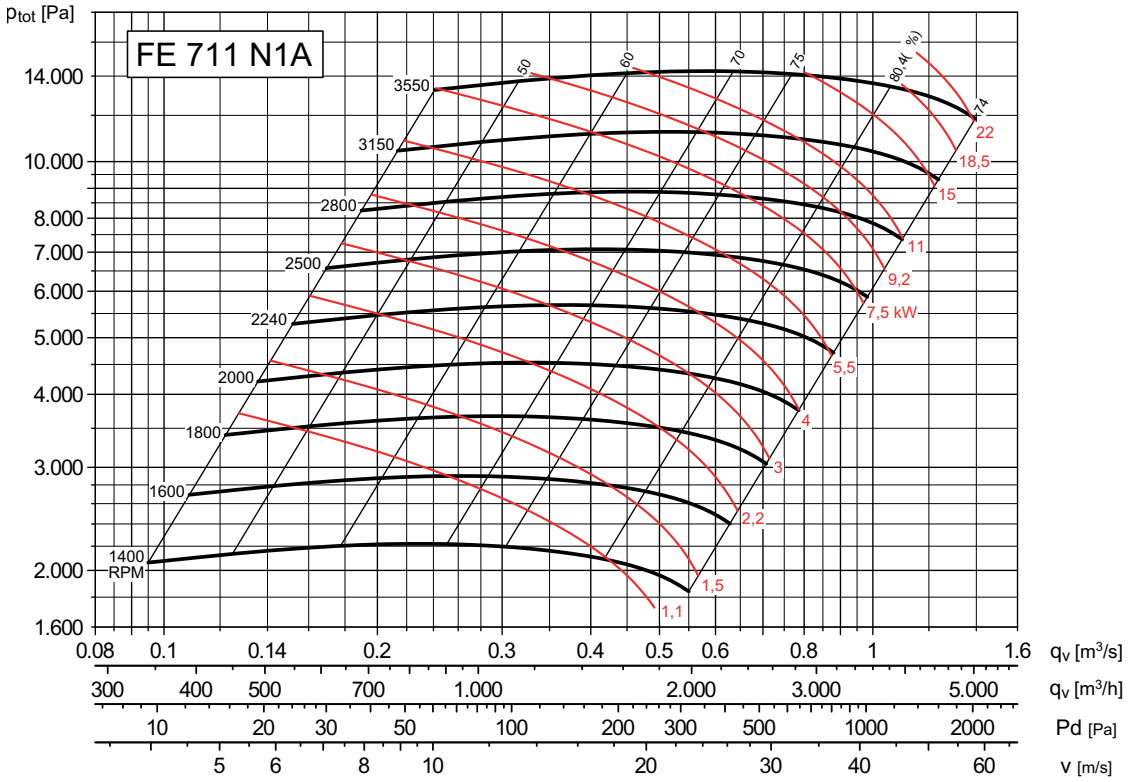
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 3550 rpm
101 ÷ 220°C = 3150 rpm
201 ÷ 300°C = 2800 rpm

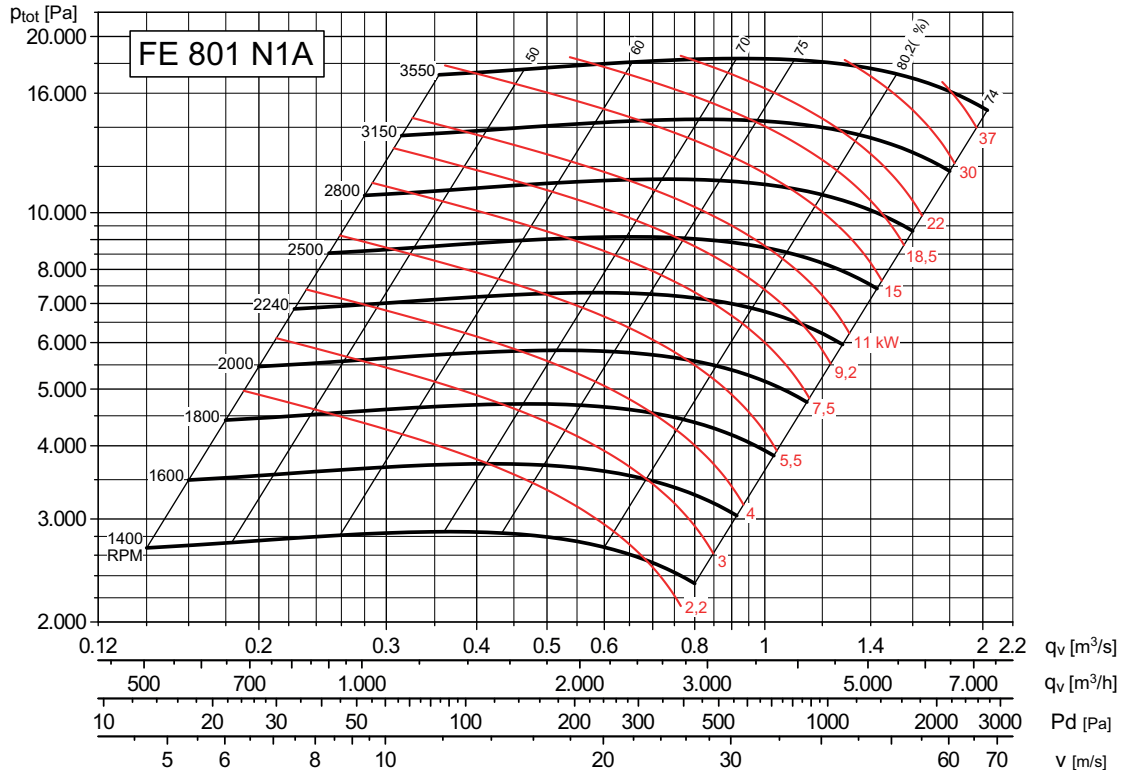



MAX. RPM

≤ 100°C = 3350 rpm
101 ÷ 220°C = 3000 rpm
201 ÷ 300°C = 2650 rpm

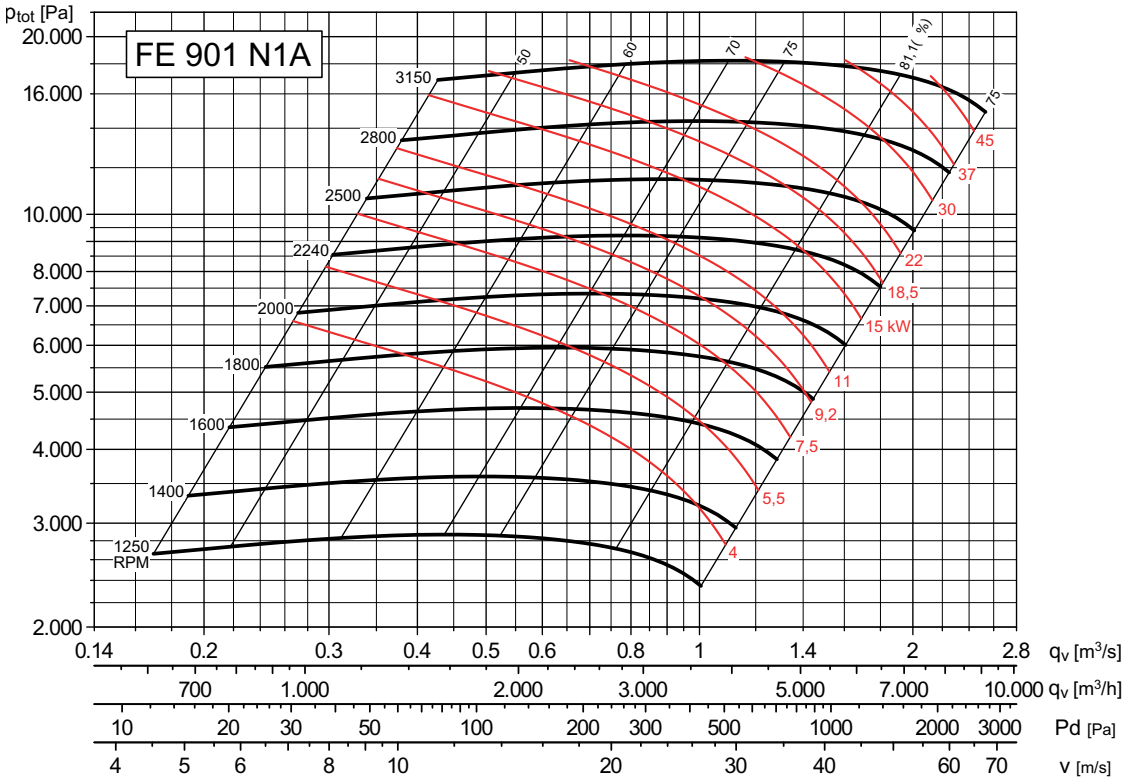
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 3150 rpm
101 ÷ 220°C = 2800 rpm
201 ÷ 300°C = 2500 rpm

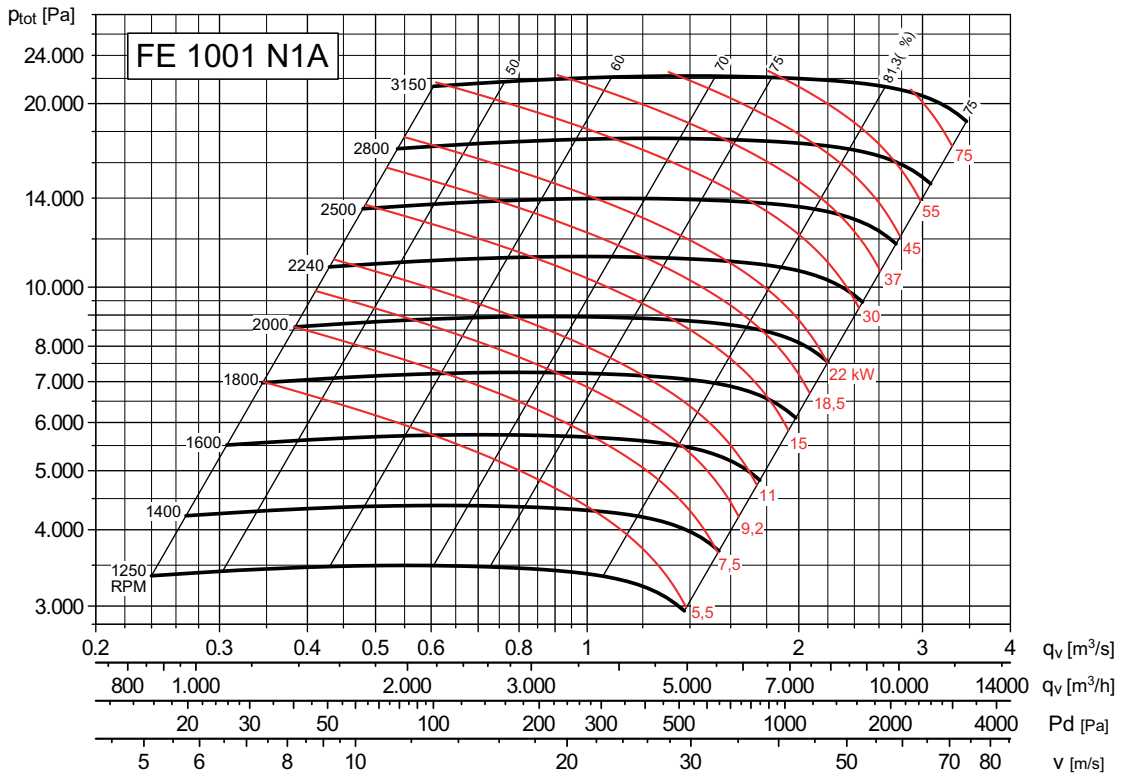



MAX. RPM

≤ 100°C = 3000 rpm
101 ÷ 220°C = 2650 rpm
201 ÷ 300°C = 2360 rpm

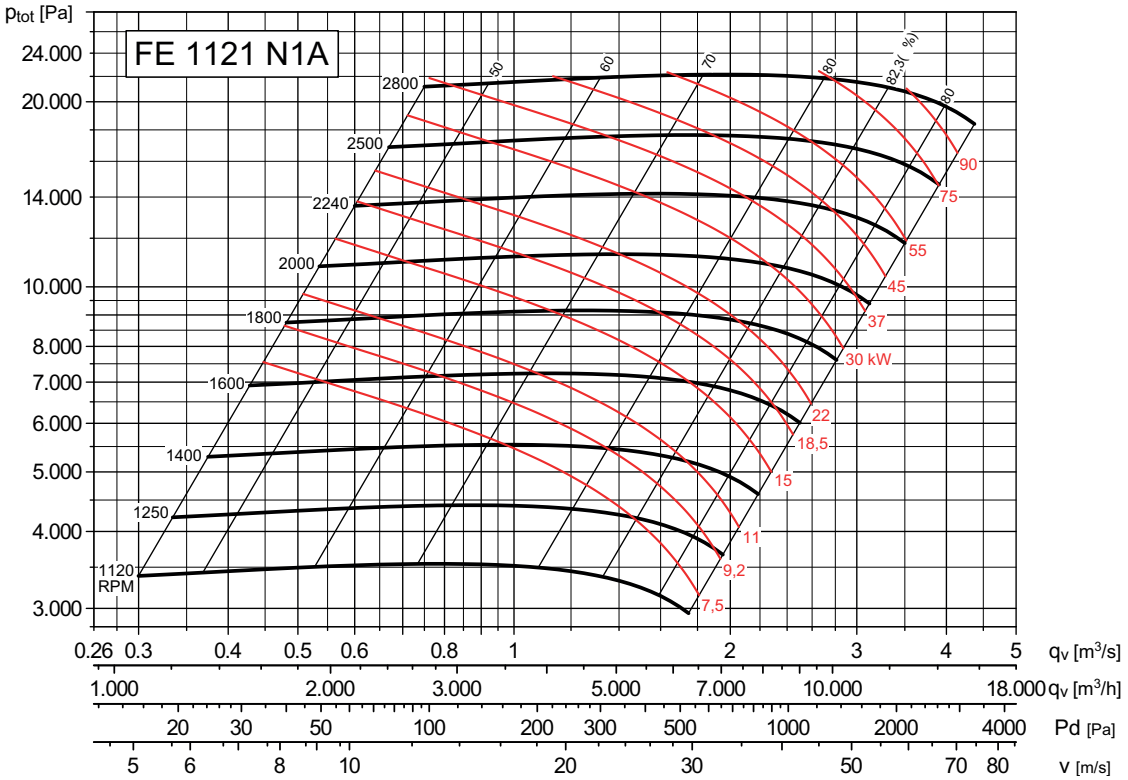
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

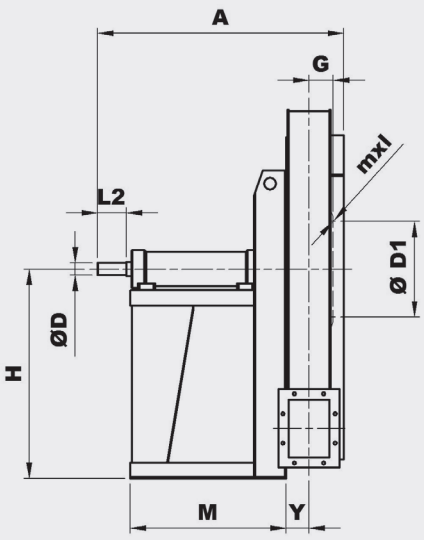
≤ 100°C = 2800 rpm
101 ÷ 220°C = 2500 rpm
201 ÷ 300°C = 2240 rpm

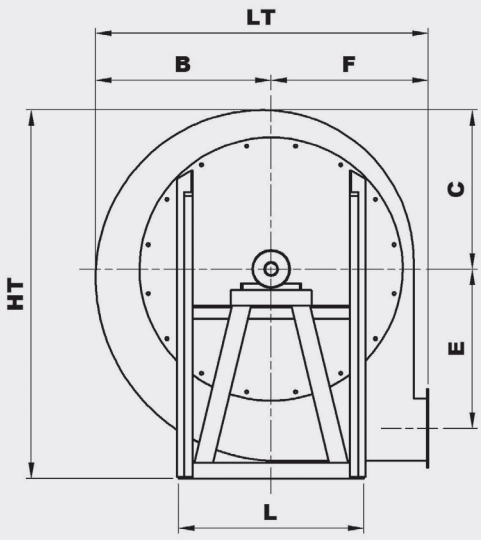


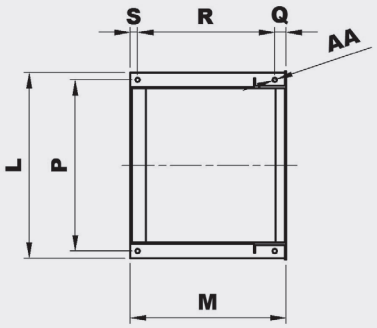

MAX. RPM

≤ 100°C = 2650 rpm
101 ÷ 220°C = 2360 rpm
201 ÷ 300°C = 2120 rpm

## DIMENSIONES (mm)



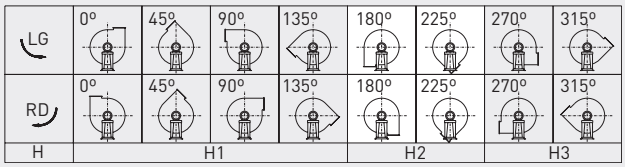




DESCARGA ORIENTABLE

EJECUCIÓN B
Con rodete de refrigeración, contactar con oficina técnica.

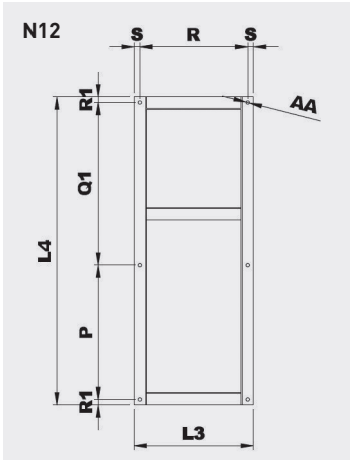
ORIENTACIONES




Para estas orientaciones, contactar con oficina técnica

| Modelo | | | | | | | | | | | | | | Eje | | Base | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | ØD1 | E | F | G | H | | | HT | mxl | Y | LT | L2 | ØD | L | P | M | Q | R | S | ØAA |
| | | | | | | | | H1 | H2 | H3 | | | | | | | | | | | | | |
| FE 501 N1A | 675 | 380 | 350 | 219 | 334 | 335 | 55 | 450 | 450 | 450 | 800 | M6x20 | 52 | 715 | 60 | 28 | 400 | 355 | 463 | 23 | 417 | 23 | 14 |
| FE 561 N1A | 705 | 430 | 390 | 241 | 379 | 375 | 60 | 500 | 500 | 500 | 890 | M6x20 | 57 | 805 | 60 | 28 | 400 | 355 | 475 | 40 | 412 | 23 | 14 |
| FE 631 N1A | 765 | 485 | 440 | 265 | 427 | 425 | 68 | 560 | 560 | 560 | 1000 | M6x20 | 64 | 910 | 80 | 38 | 400 | 355 | 504 | 52 | 429 | 23 | 14 |
| FE 711 N1A | 830 | 540 | 490 | 292 | 478 | 475 | 75 | 530 | 530 | 630 | 1120 | M8x25 | 72 | 1015 | 110 | 42 | 588 | 534 | 575 | 28 | 519 | 28 | 17 |
| FE 801 N1A | 900 | 610 | 550 | 332 | 539 | 530 | 82 | 600 | 600 | 710 | 1260 | M8x25 | 79 | 1140 | 110 | 42 | 628 | 574 | 575 | 28 | 519 | 28 | 17 |
| FE 901 N1A | 945 | 685 | 620 | 366 | 608 | 600 | 93 | 670 | 670 | 800 | 1420 | M8x25 | 89 | 1285 | 110 | 48 | 708 | 654 | 595 | 43 | 524 | 28 | 17 |
| FE 1001 N1A | 1040 | 760 | 690 | 405 | 681 | 670 | 103 | 750 | 750 | 900 | 1590 | M8x25 | 100 | 1430 | 110 | 48 | 826 | 762 | 666 | 57 | 576 | 33 | 19 |
| FE 1121 N1A | 1065 | 850 | 760 | 448 | 766 | 750 | 114 | 850 | 850 | 1000 | 1760 | M8x25 | 112 | 1600 | 110 | 55 | 926 | 862 | 657 | 33 | 591 | 33 | 19 |

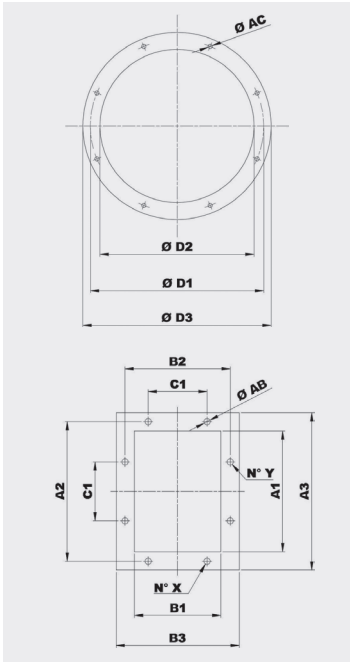
## DIMENSIONES (mm)




Bancada ejecución 12

| Modelo | P | L3 | L4 | Q1 | R | R1 | S | ØAA | Peso (kg) |
|---|---|---|---|---|---|---|---|---|---|
| 501 N12A | 355 | 463 | 1060 | 661 | 417 | 22 | 23 | 14 | 21 |
| 561 N12A | 355 | 457 | 1120 | 721 | 411 | 22 | 23 | 14 | 21 |
| 631 N12A | 355 | 475 | 1180 | 781 | 429 | 22 | 23 | 14 | 23 |
| 711 N12A | 534 | 575 | 1250 | 662 | 519 | 27 | 28 | 17 | 32 |
| 801 N12A | 574 | 575 | 1400 | 772 | 519 | 27 | 28 | 17 | 35 |
| 901 N12A | 654 | 580 | 1500* | 792* | 524 | 27 | 28 | 17 | 45 |
| 1001 N12A | 762 | 642 | 1700** | 874** | 576 | 32 | 33 | 19 | 60 |
| 1121 N12A | 862 | 657 | 1900 | 974 | 591 | 32 | 33 | 19 | 65 |

* Para motores de talla 250-280, esta cota aumenta en 150 mm
**Para motores de talla 250-280, esta cota aumenta en 100 mm




Brida aspiración

| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 501 | 180 | 219 | 184 | 254 | 8 | 8 |
| 561 | 200 | 241 | 204 | 274 | 8 | 8 |
| 631 | 224 | 265 | 228 | 298 | 8 | 8 |
| 711 | 250 | 292 | 254 | 324 | 10 | 8 |
| 801 | 280 | 332 | 285 | 365 | 10 | 8 |
| 901 | 315 | 366 | 320 | 400 | 10 | 8 |
| 1001 | 355 | 405 | 360 | 440 | 10 | 8 |
| 1121 | 400 | 448 | 405 | 485 | 10 | 12 |

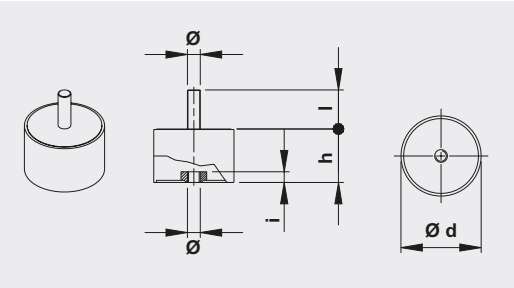
Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 501 | 125x90 | 131 | 95 | 165 | 129 | 191 | 155 | 100 | 10 | 1+1 | 2+2 |
| 561 | 140x100 | 146 | 105 | 182 | 139 | 216 | 175 | 112 | 12 | 1+1 | 2+2 |
| 631 | 160x112 | 164 | 117 | 200 | 151 | 234 | 187 | 112 | 12 | 1+1 | 2+2 |
| 711 | 180x125 | 183 | 131 | 219 | 165 | 253 | 201 | 112 | 12 | 1+1 | 2+2 |
| 801 | 200x140 | 205 | 146 | 241 | 182 | 275 | 216 | 112 | 12 | 2+2 | 2+2 |
| 901 | 224x160 | 229 | 164 | 265 | 200 | 299 | 234 | 112 | 12 | 2+2 | 2+2 |
| 1001 | 250x180 | 256 | 183 | 292 | 219 | 326 | 253 | 112 | 12 | 2+2 | 3+3 |
| 1121 | 280x200 | 288 | 205 | 332 | 249 | 368 | 285 | 125 | 12 | 2+2 | 3+3 |

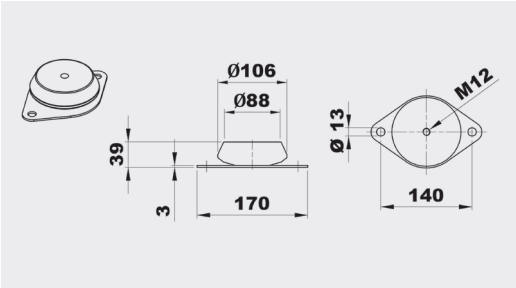
## AMORTIGUADORES

Amortiguadores recomendados

| Ventilador | Ejecución 9 | Ejecución 12 |
|---|---|---|
| 501/2 | 4 x AM 30 - 30x30 | 4 x AM 40 - 40x30 |
| 561/2 | 4 x AM 40 - 40x30 | 4 x AM 40 - 40x30 |
| 631/2 | 4 x AM 50 - 50x40 | 4 x AM 50 - 50x40 |
| 711/2 | 4 x AM 75 - 75x50 | 4 x AM 75 - 75x50 |
| 801/2 | 4 x AM 75 - 75x50 | 4 x AM 75 - 75x50 |
| 901/2 | 4 x AM 75 - 75x50 | 4 x AM 75 - 75x50 |
| 1001/2 | 4 x AZ 39 - 140x39 | 4 x AZ 39 - 140x39 |
| 1121/2 | 4 x AZ 39 - 140x39 | 4 x AZ 39 - 140x39 |

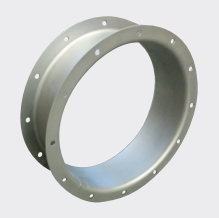



| Tipo | Carga para 4 soportes (kg) | d | h | Ø | l | Peso (kg) |
|---|---|---|---|---|---|---|
| AM 30 | 81÷140 | 30 | 30 | M8 | 20 | 0,05 |
| AM 40 | 141÷224 | 40 | 30 | M8 | 23 | 0,10 |
| AM 50 | 225÷315 | 50 | 40 | M10 | 28 | 0,20 |
| AM 75 | 316÷630 | 75 | 50 | M12 | 37 | 0,50 |

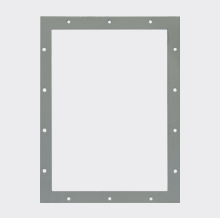



| Tipo | Carga para 4 soportes (kg) | Peso (kg) |
|---|---|---|
| AZ 39 | 631÷1250 | 0,7 |

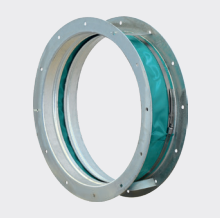
## ACCESORIOS



**CA (CFH1) - CFH2 - CFH3**
Contrabrida - Brida plana circular.



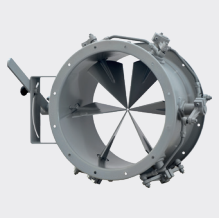
**CP**
Brida plana rectangular.



**GA**
Junta flexible aspiración.



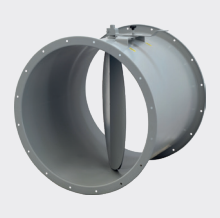
**GP**
Junta flexible descarga.



**DP**
Regulador de caudal de aspiración.



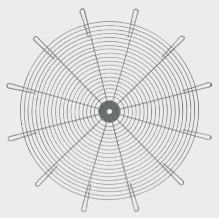
**SAD**
Compuerta de regulación de caudal de descarga.



**SF**
Vávula mariposa.



**DF**
Filtro en la aspiración.



**RC**
Rejilla de protección para la aspiración.



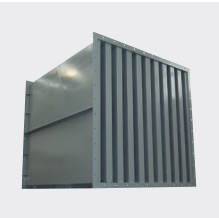
**AM/AZ**
Soportes antivibratorios.



**SCSO**
Silenciador cilíndrico.



**SCCO**
Silenciador cilíndrico con bulbo.



**SASS**
Silenciador rectangular.



**CI**
Cabina de insonorización.

Ver información completa en página **772**.

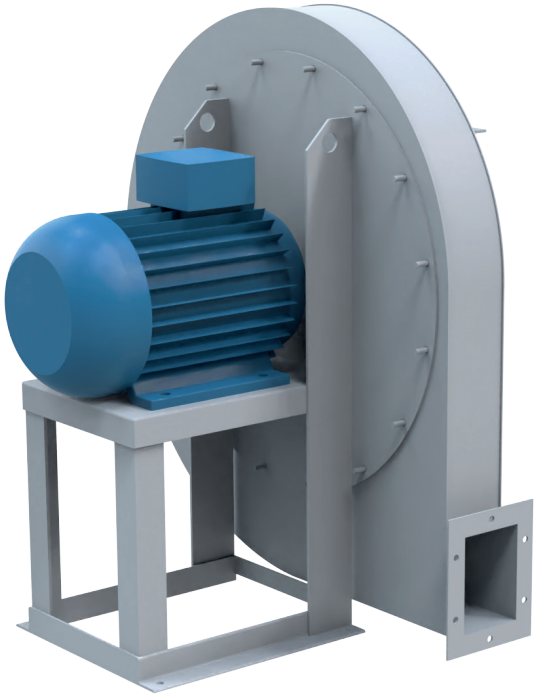
# FG-N

## VENTILADORES CENTRÍFUGOS DE ALTA PRESIÓN

*ACOPLAMIENTO DIRECTO*

ErP OK

Ventilador centrífugo de acoplamiento directo y simple aspiración. Fabricados en chapa de acero protegida contra la corrosión mediante tratamiento por cataforesis + pintura poliuretana. Temperaturas del aire a transportar -20ºC/+100ºC en continuo.



APLICACIONES

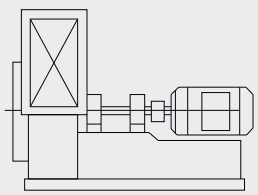
**Aire a transportar**
Aire limpio

**Cantidad de polvo (mg/m³)**
<50



Rodete de álabes curvados hacia atrás

**SISTEMA 8:** acoplamiento mediante junta elástica.



Disponible bajo pedido

**Motores**
De 2 polos, de alta eficiencia IE 3*, tensión de alimentación trifásica 230/400V 50Hz hasta tamaño motor 112 y 400/690V 50Hz para motores de mayor dimensión.
Protección IP55, Clase F.

* Entre 75 y 200kW, los motores suministrados serán IE4.

**Bajo pedido**
- Fabricación en diferentes materiales constructivos.
- Motores de 2 velocidades.
- Versiones de 60 Hz.
- Pintura en diferentes RAL.
- Versión sin pie soporte (Motor-Brida, Sistema 5), hasta tamaño de motor 160.
- Versión para alta temperatura: hasta 220ºC (versiones B: con rodete de refrigeración).
- SISTEMA 8: acoplamiento mediante junta elástica.
- Trampilla de inspección, purga de drenaje, distintos tipos de estanqueidad a nivel de voluta y de paso de eje.
- Ventiladores estancos.
- Calorifugado.

**Versiones ATEX**
Bajo pedido, versiones antiexplosivas según la Directiva ATEX para modelos trifásicos:
Para trabajar a temperaturas de -20ºC a +60ºC, presión ambiente (absoluta) de 0,8 bar hasta 1,1 bar, según EN 14986.
- Gas:
  - Ex 2G IIB T2-T3-T4*
  - Ex 2G IIB+H2 T2-T3-T4*
  - Ex 3G IIB T2-T3-T4*
  - Ex 3G IIB+H2 T2-T3-T4*
- Polvo no conductivo:
  - Ex 2D IIIB T125ºC*-T135ºC*-T195ºC-T295ºC
  - Ex 3D IIIB T125ºC*-T135ºC*-T195ºC-T295ºC
- Polvo conductivo (con motor IP65 IIIC):
  - Ex 2D IIIC T125ºC*-T135ºC*-T195ºC-T295ºC
  - Ex 3D IIIC T125ºC*-T135ºC*-T195ºC-T295ºC

* Viabilidad técnica solicitada.

## CARACTERÍSTICAS TÉCNICAS

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación

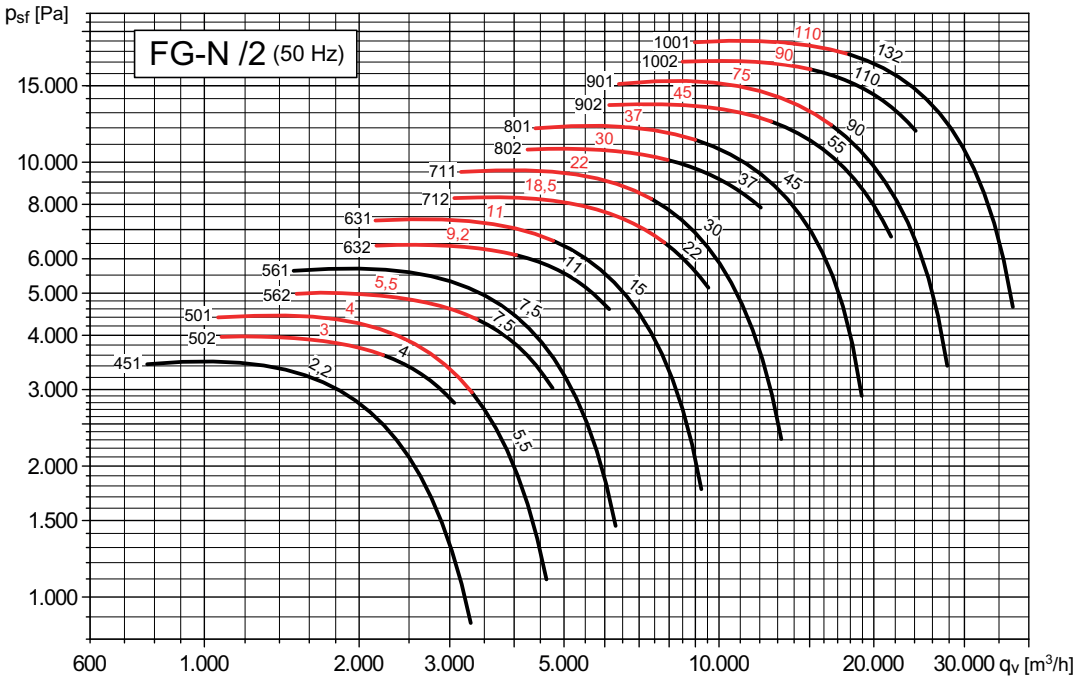
| Modelo | Tamaño motor | Velocidad (r.p.m.) | Potencia motor (kW) | Intensidad motor 400V (A) | Caudal máximo ($m^3/h$) | Nivel presión sonora a 1 m (dB(A))[1] | Peso (kg)[2] | Momento de inercia ($kg \cdot m^2$)[3] |
|---|---|---|---|---|---|---|---|---|
| 2 POLOS | | | | | | | | |
| FG 451/2 N4A | 90L2 | 2850 | 2,2 | 4,43 | 3.290 | 79 | 68 | 0,28 |
| FG 502/2 N4A | 100LA2 | 2900 | 3,0 | 5,77 | 2.120 | 80 | 90 | 0,33 |
| FG 502/2 N4A | 112M2 | 2910 | 4,0 | 7,50 | 3.060 | 80 | 96 | 0,33 |
| FG 501/2 N4A | 112M2 | 2910 | 4,0 | 7,50 | 3.310 | 81 | 96 | 0,38 |
| FG 501/2 N4A | 132SA2 | 2890 | 5,5 | 10,10 | 4.620 | 85 | 110 | 0,38 |
| FG 562/2 N4A | 132SA2 | 2890 | 5,5 | 10,10 | 3.220 | 86 | 130 | 0,55 |
| FG 562/2 N4A | 132SB2 | 2890 | 7,5 | 13,90 | 4.750 | 86 | 136 | 0,55 |
| FG 561/2 N4A | 132SB2 | 2890 | 7,5 | 13,90 | 3.510 | 86 | 138 | 0,68 |
| FG 632/2 N4A | 132MB2 | 2900 | 9,2 | 16,60 | 3.830 | 87 | 168 | 0,90 |
| FG 632/2 N4A | 160MR2 | 2930 | 11,0 | 18,70 | 6.120 | 88 | 196 | 0,90 |
| FG 631/2 N4A | 160MR2 | 2930 | 11,0 | 18,70 | 4.390 | 88 | 199 | 1,05 |
| FG 631/2 N4A | 160M2 | 2935 | 15,0 | 25,40 | 9.250 | 88 | 201 | 1,05 |
| FG 712/2 N4A | 160L2 | 2935 | 18,5 | 33,30 | 7.490 | 89 | 250 | 1,68 |
| FG 712/2 N4A | 180M2 | 2940 | 22,0 | 39,00 | 9.540 | 91 | 272 | 1,68 |
| FG 711/2 N4A | 180M2 | 2940 | 22,0 | 39,00 | 7.390 | 92 | 276 | 2,00 |
| FG 711/2 N4A | 200LR2 | 2960 | 30,0 | 53,50 | 13.210 | 92 | 392 | 2,00 |
| FG 802/2 N4A | 200LR2 | 2960 | 30,0 | 53,50 | 7.950 | 93 | 428 | 2,80 |
| FG 802/2 N4A | 200L2 | 2960 | 37,0 | 65,60 | 12.060 | 93 | 439 | 2,80 |
| FG 801/2 N4A | 200L2 | 2960 | 37,0 | 65,60 | 8.230 | 93 | 444 | 3,50 |
| FG 801/2 N4A | 225M2 | 2960 | 45,0 | 77,60 | 18.940 | 93 | 488 | 3,50 |
| FG 902/2 N4A | 250M2 | 2960 | 55,0 | 93,50 | 12.640 | 94 | 706 | 4,30 |
| FG 902/2 N4A | 280S2 | 2960 | 75,0 | 126,00 | 21.600 | 94 | 806 | 4,30 |
| FG 901/2 N4A | 280S2 | 2960 | 75,0 | 126,00 | 17.650 | 95 | 812 | 4,80 |
| FG 901/2 N4A | 280M2 | 2960 | 90,0 | 151,00 | 27.780 | 95 | 845 | 4,80 |
| FG 1002/2 N4A | 280M2 | 2960 | 90,0 | 151,00 | 15.070 | 97 | 924 | 8,00 |
| FG 1002/2 N4A | 315S2 | 2970 | 110,0 | 186,00 | 24.120 | 97 | 1.083 | 8,00 |
| FG 1001/2 N4A | 315S2 | 1970 | 110,0 | 186,00 | 25.330 | 98 | 1.090 | 9,50 |
| FG 1001/2 N4A | 315M2 | 2970 | 132,0 | 220,00 | 37.230 | 98 | 1.117 | 9,50 |

[1] Entubado en la descarga
Tolerancia del nivel de ruido de +3dB/A, medido en el punto de máxima eficiencia
[2] Con motor incluido y para orientación LG270 o RD270
[3] Momento de inercia del rodete

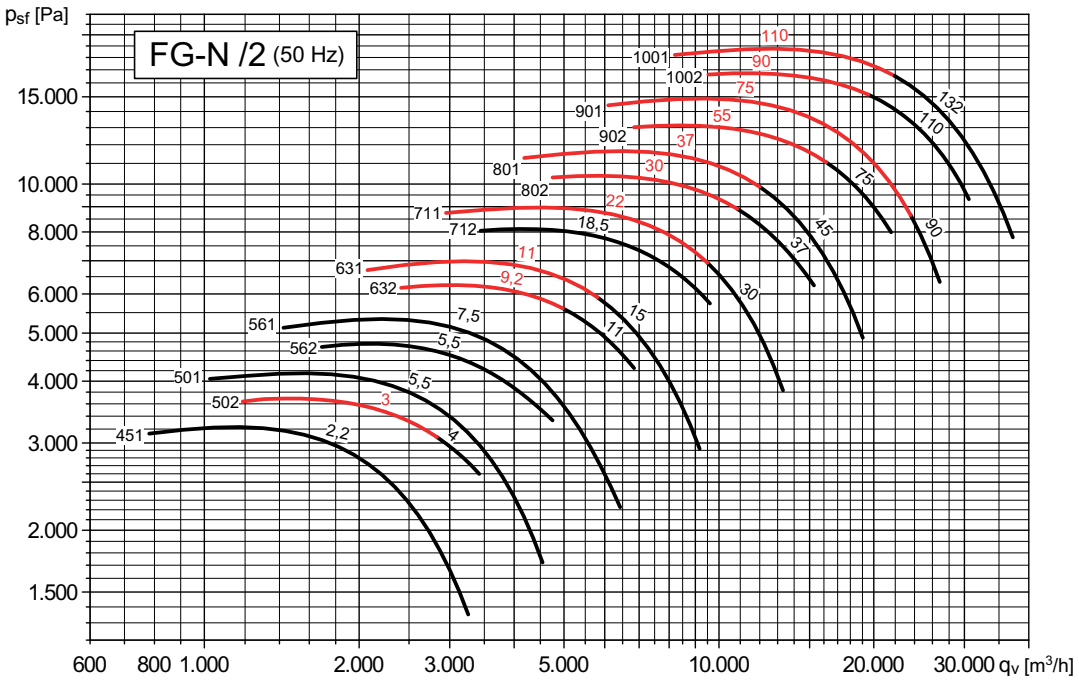
## CURVAS CARACTERÍSTICAS (a la descarga/ a la aspiración)

- Ventiladores ensayados con la aspiración y la descarga entubadas
- Caudal en $m^3/h$
- **Psf: Presión estática en Pa**
- Modelo - Potencia motor en kW
- Ejemplo: 801 - 37 o 45
  Modelo - kW

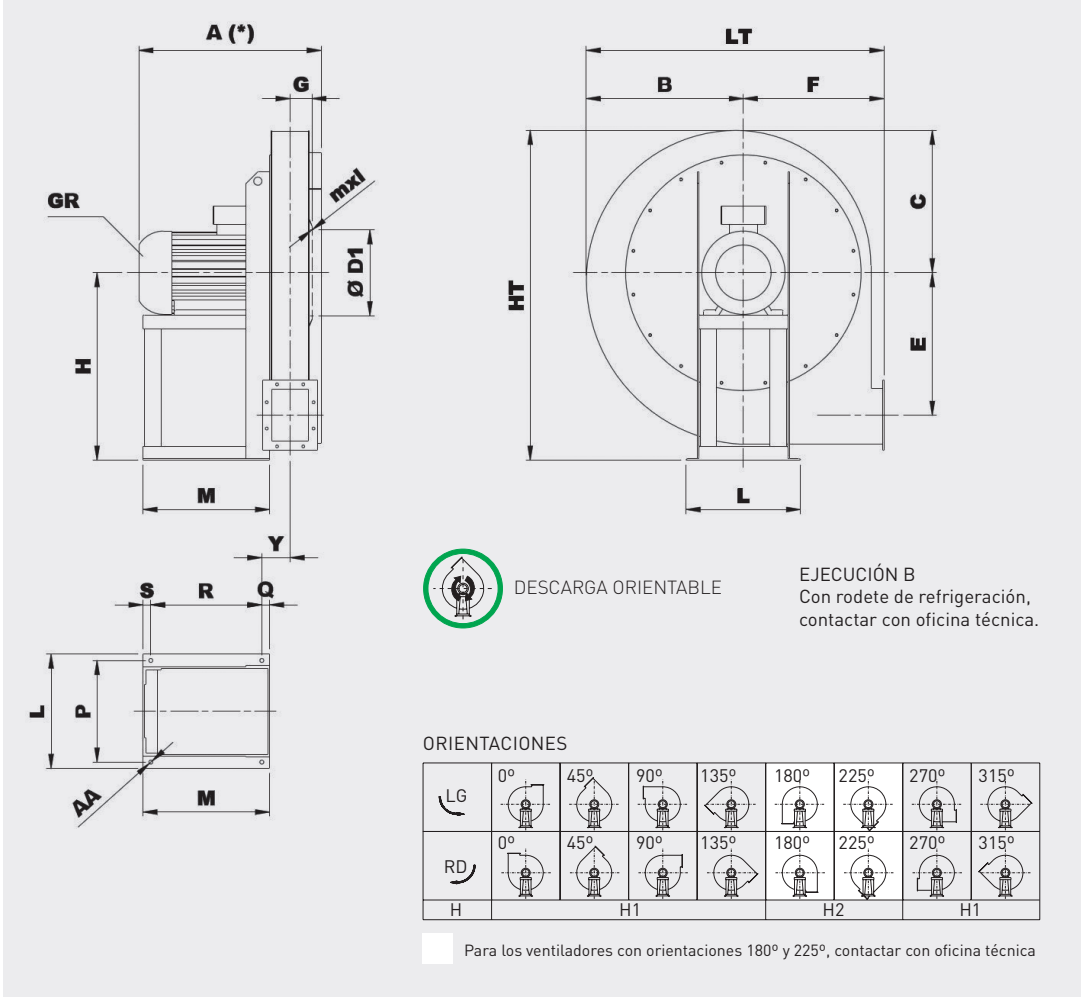
2 polos - Descarga - Modelos desde 451 hasta 1001




2 polos - Aspiración - Modelos desde 451 hasta 1001



## DIMENSIONES (mm)




DESCARGA ORIENTABLE

EJECUCIÓN B
Con rodete de refrigeración, contactar con oficina técnica.

ORIENTACIONES

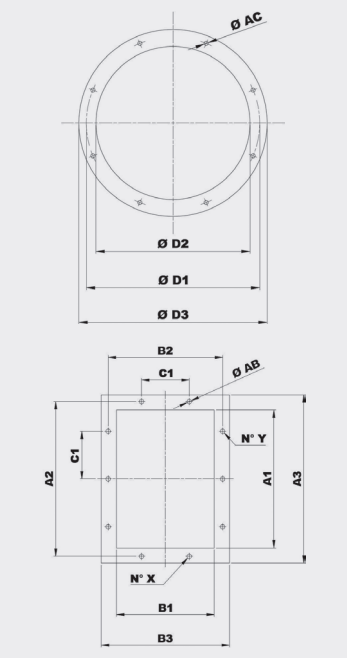



Para los ventiladores con orientaciones 180º y 225º, contactar con oficina técnica

| Modelo | | | | | | | | | | | | | | Base | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Motor GR | A* | B | C | ØD1 | E | F | G | H | | HT | mxl | Y | LT | L | P | M | Q | R | S | ØAA |
| | | | | | | | | | H1 | H2 | | | | | | | | | | | |
| FG 451/2 N4A | 90L2 | 490 | 345 | 315 | 265 | 265 | 300 | 76 | 400 | 300 | 715 | M6x20 | 130 | 645 | 260 | 234 | 260 | 60 | 183 | 17 | 10 |
| FG 501/2 N4A | 112M2 | 575 | 380 | 350 | 292 | 297 | 335 | 83 | 450 | 335 | 800 | M8x25 | 101 | 715 | 324 | 289 | 310 | 23 | 264 | 23 | 12 |
| FG 501/2 N4A | 132SA2 | 600 | 380 | 350 | 292 | 297 | 335 | 83 | 450 | 335 | 800 | M8x25 | 101 | 715 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| FG 502/2 N4A | 112M2 | 575 | 380 | 350 | 292 | 297 | 335 | 83 | 450 | 335 | 800 | M8x25 | 101 | 715 | 324 | 289 | 310 | 23 | 264 | 23 | 12 |
| FG 502/2 N4A | 100LA2 | 540 | 380 | 350 | 292 | 297 | 335 | 83 | 450 | 335 | 800 | M8x25 | 101 | 715 | 324 | 289 | 295 | 23 | 249 | 23 | 12 |
| FG 561/2 N4A | 132MB2 | 685 | 430 | 390 | 332 | 337 | 375 | 92 | 500 | 375 | 890 | M8x25 | 110 | 805 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| FG 561/2 N4A | 132SB2 | 650 | 430 | 390 | 332 | 337 | 375 | 92 | 500 | 375 | 890 | M8x25 | 110 | 805 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| FG 562/2 N4A | 132SA2 | 650 | 430 | 390 | 332 | 337 | 375 | 92 | 500 | 375 | 890 | M8x25 | 110 | 805 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| FG 562/2 N4A | 132SB2 | 650 | 430 | 390 | 332 | 337 | 375 | 92 | 500 | 375 | 890 | M8x25 | 110 | 805 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| FG 631/2 N4A | 160M2 | 785 | 485 | 440 | 366 | 381 | 425 | 104 | 560 | 425 | 1000 | M8x25 | 126 | 910 | 440 | 395 | 470 | 28 | 414 | 28 | 14 |
| FG 631/2 N4A | 160MR2 | 785 | 485 | 440 | 366 | 381 | 425 | 104 | 560 | 425 | 1000 | M8x25 | 126 | 910 | 440 | 395 | 470 | 28 | 414 | 28 | 14 |
| FG 632/2 N4A | 132MB2 | 700 | 485 | 440 | 366 | 381 | 425 | 104 | 560 | 425 | 1000 | M8x25 | 121 | 910 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| FG 632/2 N4A | 160MR2 | 785 | 485 | 440 | 366 | 381 | 425 | 104 | 560 | 425 | 1000 | M8x25 | 126 | 910 | 440 | 395 | 470 | 28 | 414 | 28 | 14 |
| FG 711/2 N4A | 180M2 | 845 | 540 | 490 | 405 | 426 | 475 | 115 | 630 | 475 | 1120 | M8x25 | 142 | 1015 | 488 | 434 | 540 | 33 | 474 | 33 | 17 |
| FG 711/2 N4A | 200LR2 | 975 | 540 | 490 | 405 | 426 | 475 | 115 | 630 | 475 | 1120 | M8x25 | 189 | 1015 | 568 | 506 | 552 | 80 | 433 | 39 | 19 |
| FG 712/2 N4A | 160L2 | 805 | 540 | 490 | 405 | 426 | 475 | 115 | 630 | 475 | 1120 | M8x25 | 137 | 1015 | 440 | 395 | 470 | 28 | 414 | 28 | 14 |
| FG 712/2 N4A | 180M2 | 845 | 540 | 490 | 405 | 426 | 475 | 115 | 630 | 475 | 1120 | M8x25 | 142 | 1015 | 488 | 434 | 540 | 33 | 474 | 33 | 17 |
| FG 801/2 N4A | 200L2 | 1020 | 610 | 550 | 448 | 481 | 530 | 127 | 710 | 530 | 1260 | M8x25 | 201 | 1140 | 568 | 506 | 575 | 80 | 456 | 39 | 19 |
| FG 801/2 N4A | 225M2 | 1045 | 610 | 550 | 448 | 481 | 530 | 127 | 710 | 530 | 1260 | M8x25 | 201 | 1140 | 616 | 556 | 615 | 80 | 496 | 39 | 19 |
| FG 802/2 N4A | 200L2 | 1020 | 610 | 550 | 448 | 481 | 530 | 127 | 710 | 530 | 1260 | M8x25 | 201 | 1140 | 568 | 506 | 575 | 80 | 456 | 39 | 19 |
| FG 802/2 N4A | 200LR2 | 1020 | 610 | 550 | 448 | 481 | 530 | 127 | 710 | 530 | 1260 | M8x25 | 201 | 1140 | 568 | 506 | 575 | 80 | 456 | 39 | 19 |
| FG 901/2 N4A | 280S2 | 1210 | 685 | 620 | 497 | 542 | 600 | 144 | 800 | 600 | 1420 | M8x25 | 235 | 1285 | 770 | 690 | 690 | 100 | 540 | 50 | 21 |
| FG 901/2 N4A | 280M2 | 1210 | 685 | 620 | 497 | 542 | 600 | 144 | 800 | 600 | 1420 | M8x25 | 235 | 1285 | 770 | 690 | 690 | 100 | 540 | 50 | 21 |
| FG 902/2 N4A | 280S2 | 1210 | 685 | 620 | 497 | 542 | 600 | 144 | 800 | 600 | 1420 | M8x25 | 235 | 1285 | 770 | 690 | 690 | 100 | 540 | 50 | 21 |
| FG 902/2 N4A | 250M2 | 1100 | 685 | 620 | 497 | 542 | 600 | 144 | 800 | 600 | 1420 | M8x25 | 225 | 1285 | 676 | 604 | 600 | 90 | 466 | 44 | 19 |
| FG 1001/2 N4A | 315M2 | 1330 | 760 | 690 | 551 | 607 | 670 | 160 | 900 | 670 | 1590 | M8x25 | 262 | 1430 | 850 | 760 | 800 | 110 | 635 | 55 | 21 |
| FG 1001/2 N4A | 315S2 | 1330 | 760 | 690 | 551 | 607 | 670 | 160 | 900 | 670 | 1590 | M8x25 | 262 | 1430 | 850 | 760 | 800 | 110 | 635 | 55 | 21 |
| FG 1002/2 N4A | 280M2 | 1240 | 760 | 690 | 551 | 607 | 670 | 160 | 900 | 670 | 1590 | M8x25 | 252 | 1430 | 770 | 690 | 690 | 100 | 540 | 50 | 21 |

* Según tamaño motor

## DIMENSIONES (mm)




Brida aspiración

| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 451 | 224 | 265 | 228 | 298 | 8 | 8 |
| 501 | 250 | 292 | 254 | 324 | 10 | 8 |
| 561 | 280 | 332 | 285 | 365 | 10 | 8 |
| 631 | 315 | 366 | 320 | 400 | 10 | 8 |
| 711 | 355 | 405 | 360 | 440 | 10 | 8 |
| 801 | 400 | 448 | 405 | 485 | 10 | 12 |
| 901 | 450 | 497 | 455 | 535 | 10 | 12 |
| 1001 | 500 | 551 | 505 | 585 | 10 | 12 |

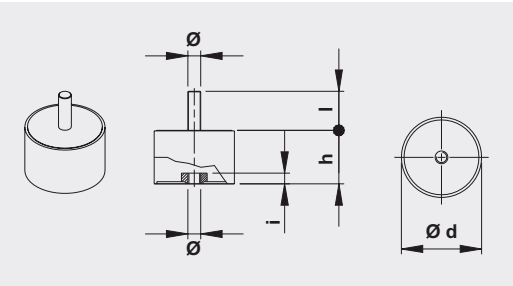
Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 451 | 180x125 | 183 | 131 | 219 | 165 | 253 | 201 | 112 | 12 | 1+1 | 2+2 |
| 501 | 200x140 | 205 | 146 | 241 | 182 | 275 | 216 | 112 | 12 | 2+2 | 2+2 |
| 561 | 224x160 | 229 | 164 | 265 | 200 | 299 | 234 | 112 | 12 | 2+2 | 2+2 |
| 631 | 250x180 | 256 | 183 | 292 | 219 | 326 | 253 | 112 | 12 | 2+2 | 3+3 |
| 711 | 280x200 | 288 | 205 | 332 | 249 | 368 | 285 | 125 | 12 | 2+2 | 3+3 |
| 801 | 315x224 | 322 | 229 | 366 | 273 | 402 | 309 | 125 | 12 | 2+2 | 3+3 |
| 901 | 355x250 | 361 | 256 | 405 | 300 | 441 | 336 | 125 | 12 | 2+2 | 3+3 |
| 1001 | 400x280 | 404 | 288 | 448 | 332 | 484 | 368 | 125 | 12 | 3+3 | 4+4 |

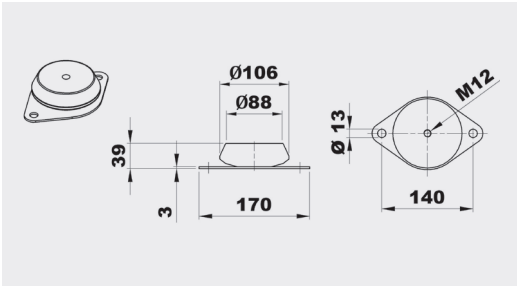
## AMORTIGUADORES

Amortiguadores recomendados

| Ventilador | Ejecución 4 |
|---|---|
| 451 | 4 x AM25 - 25x20 |
| 501/2 | 4 x AM30 - 30x30 |
| 561/2 | 4 x AM40 - 40x30 |
| 631/2 | 4 x AM50 - 50x40 |
| 711/2 | 4 x AM75 - 75x50 |
| 801/2 | 4 x AM75 - 75x50 |
| 901/2 | 4 x AZ 39 - 140x39 |
| 1001/2 | 4 x AZ 39 - 140x39 |

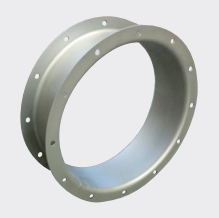



| Tipo | Carga para 4 soportes (kg) | d | h | Ø | l | Peso (kg) |
|---|---|---|---|---|---|---|
| AM 25 | 41÷80 | 25 | 20 | M6 | 18 | 0,03 |
| AM 30 | 81÷140 | 30 | 30 | M8 | 20 | 0,05 |
| AM 40 | 141÷224 | 40 | 30 | M8 | 23 | 0,10 |
| AM 50 | 225÷315 | 50 | 40 | M10 | 28 | 0,20 |
| AM 75 | 316÷630 | 75 | 50 | M12 | 37 | 0,50 |

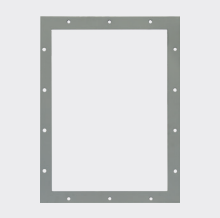



| Tipo | Carga para 4 soportes (kg) | Peso (kg) |
|---|---|---|
| AZ 39 | 631÷1250 | 0,7 |

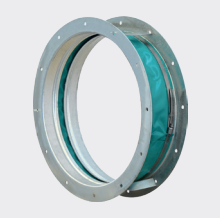
## ACCESORIOS



**CA (CFH1) - CFH2 - CFH3**
Contrabrida - Brida plana circular.



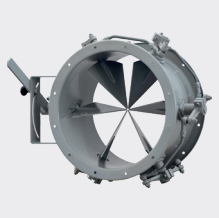
**CP**
Brida plana rectangular.



**GA**
Junta flexible aspiración.



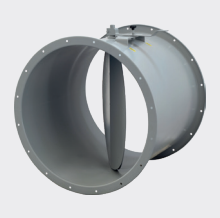
**GP**
Junta flexible descarga.



**DP**
Regulador de caudal de aspiración.



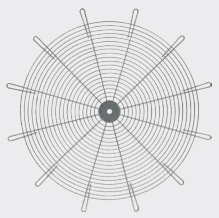
**SAD**
Compuerta de regulación de caudal de descarga.



**SF**
Vávula mariposa.



**DF**
Filtro en la aspiración.



**RC**
Rejilla de protección para la aspiración.



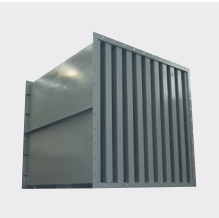
**AM/AZ**
Soportes antivibratorios.



**SCSO**
Silenciador cilíndrico.



**SCCO**
Silenciador cilíndrico con bulbo.



**SASS**
Silenciador rectangular.



**CI**
Cabina de insonorización.

Ver información completa en página **772**.

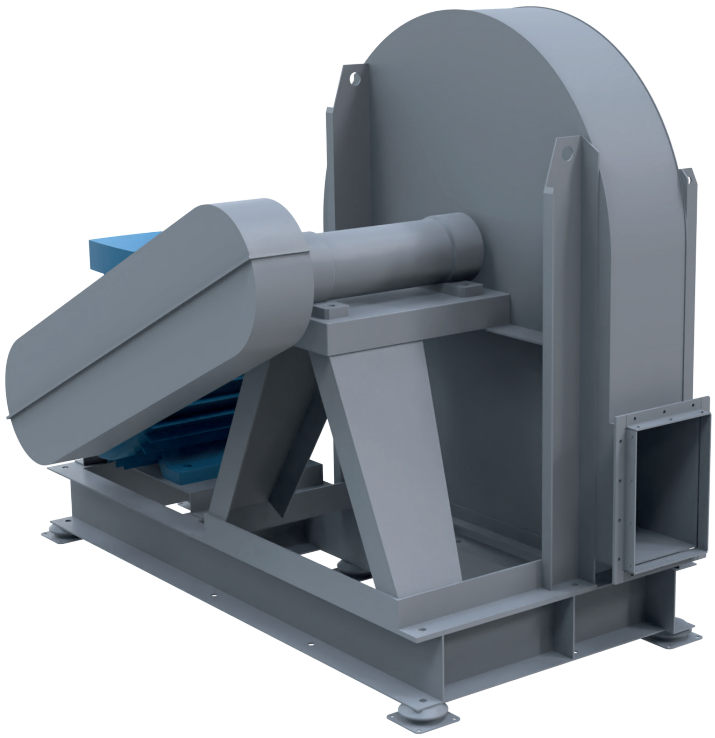
# FG-N

## VENTILADORES CENTRÍFUGOS DE ALTA PRESIÓN

*TRANSMISIÓN*

ErP OK

Ventilador centrífugo con accionamiento por poleas y correas y simple aspiración. Fabricados en chapa de acero protegida contra la corrosión mediante tratamiento por cataforesis + pintura poliuretana. Temperaturas del aire a transportar -20ºC/+100ºC en continuo.



APLICACIONES

**Aire a transportar**
Aire limpio

**Cantidad de polvo (mg/m³)**
<50



Rodete de álabes curvados hacia atrás

### Sistemas de montaje

- SISTEMA 1: eje libre, para acoplamiento mediante poleas y correas.
- SISTEMA 9: incluye motor, poleas, correas y protector de correas. Motor montado en el lateral del pie soporte rodamientos.
- SISTEMA 12: incluye motor, poleas, correas y protector de correas. Motor montado sobre la bancada general.

### Motores

De 2, 4 o 6 polos, de alta eficiencia IE 3* (las r.p.m. de cada motor se adaptarán al cálculo de cada transmisión), tensión de alimentación trifásica 230/400V 50Hz hasta tamaño motor 112 y 400/690V 50Hz para motores de mayor dimensión. Protección IP55, Clase F.

* Entre 75 y 200kW, los motores suministrados serán IE4.

### Bajo pedido

- Fabricación en diferentes materiales constructivos.
- Motores de 2 velocidades.
- Versiones de 60 Hz.
- Pintura en diferentes RAL.
- Versión para alta temperatura: hasta 250ºC (versiones B: con rodete de refrigeración).
- Trampilla de inspección, purga de drenaje, distintos tipos de estanqueidad a nivel de voluta y de paso de eje.
- Ventiladores estancos.
- Calorifugado.

### Versiones ATEX

Bajo pedido, versiones antiexplosivas según la Directiva ATEX para modelos trifásicos: Para trabajar a temperaturas de -20ºC a +60ºC, presión ambiente (absoluta) de 0,8 bar hasta 1,1 bar, según EN 14986.

- Gas:
  - Ex 2G IIB T2-T3
  - Ex 2G IIB+H2 T2-T3
  - Ex 3G IIB T2-T3
  - Ex 3G IIB+H2 T2-T3
- Polvo no conductivo:
  - Ex 2D IIIB T195°C-T295°C
  - Ex 3D IIIB T195°C-T295°C
- Polvo conductivo (con motor IP65 IIIC):
  - Ex 2D IIIC T195°C-T295°C
  - Ex 3D IIIC T195°C-T295°C

## CARACTERÍSTICAS TÉCNICAS

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación.

| Modelo | Caudal máximo ($m^3/h$) | Potencia motor máxima (kW) | Peso (kg)[1] | Momento de inercia ($kg \cdot m^2$)[2] |
|---|---|---|---|---|
| FG 451 N1A | 5.200 | 11 | 67 | 0,28 |
| FG 501 N1A | 7.200 | 15 | 85 | 0,38 |
| FG 561 N1A | 8.690 | 22 | 125 | 0,68 |
| FG 631 N1A | 12.600 | 37 | 175 | 1,10 |
| FG 711 N1A | 15.850 | 45 | 225 | 2,00 |
| FG 801 N1A | 22.720 | 75 | 305 | 3,50 |
| FG 901 N1A | 29.570 | 90 | 475 | 5,30 |
| FG 1001 N1A | 39.490 | 132 | 530 | 9,50 |
| FG 1121 N1A | 49.500 | 200 | 755 | 14,00 |
| FG 1251 N1A | 60.750 | 250 | 1.120 | 23,00 |
| FG 1401 N1A | 77.110 | 315 | 1.237 | 42,00 |
| FG 1601 N1A | 102.860 | 400 | 1.622 | 70,00 |
| FG 1801 N1A | 133.070 | 500 | 2.179 | 111,00 |
| FG 2001 N1A | 161.280 | 560 | 2.870 | 222,00 |

[1] Para ejecución 1 y orientación LG270 o RD270
[2] Momento de inercia del rodete

SOPORTES SISTEMA 1

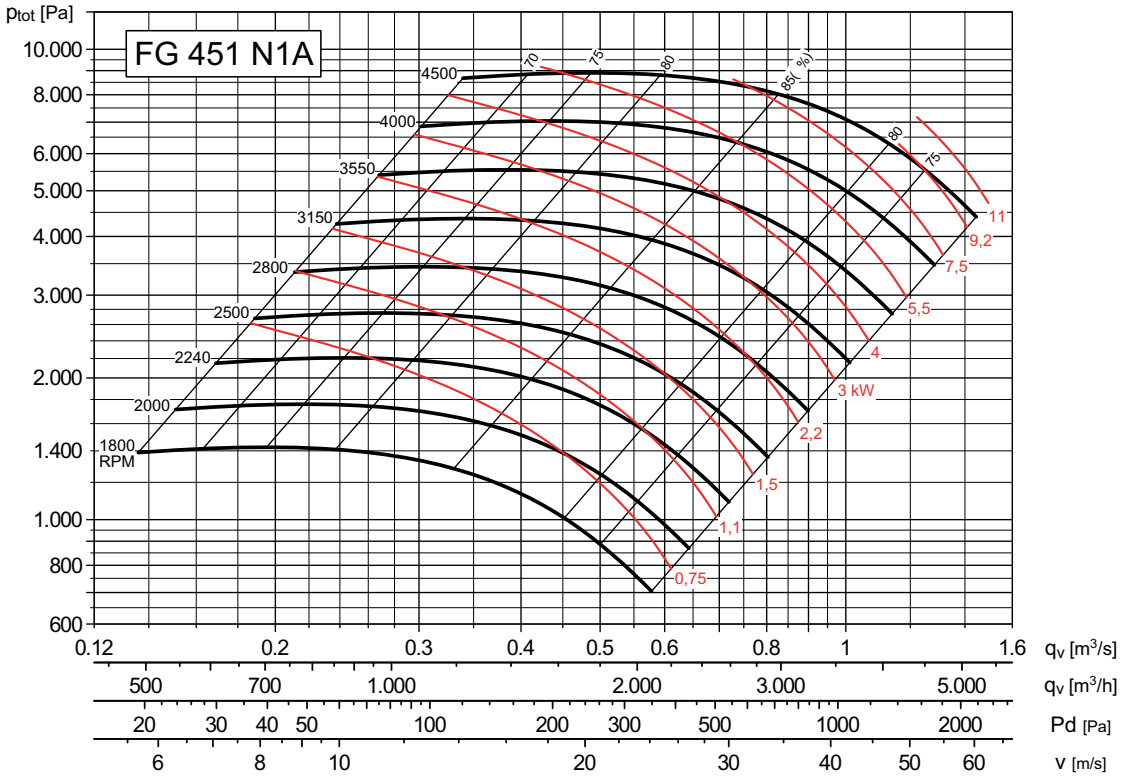
| Modelo | 401 | 451-501 | 561 | 631 | 711 | 801 | 901 | 1001 |
|---|---|---|---|---|---|---|---|---|
| Soporte tipo | ST 80 A28 | ST 90 A38 | ST 100 A42 | ST 110 B48 | ST 120 B48 | ST 130 B55 | ST 150 B65 | ST 180 B80 |

MOTORES SISTEMA 9

| Modelo | 401-501 | 561-631 | 711-801 | 901-1001 |
|---|---|---|---|---|
| Tamaño motor | ≤ 132 M2 | ≤ 160 L2 | ≤ 180 L2-4 | ≤ 200 L2-4 |

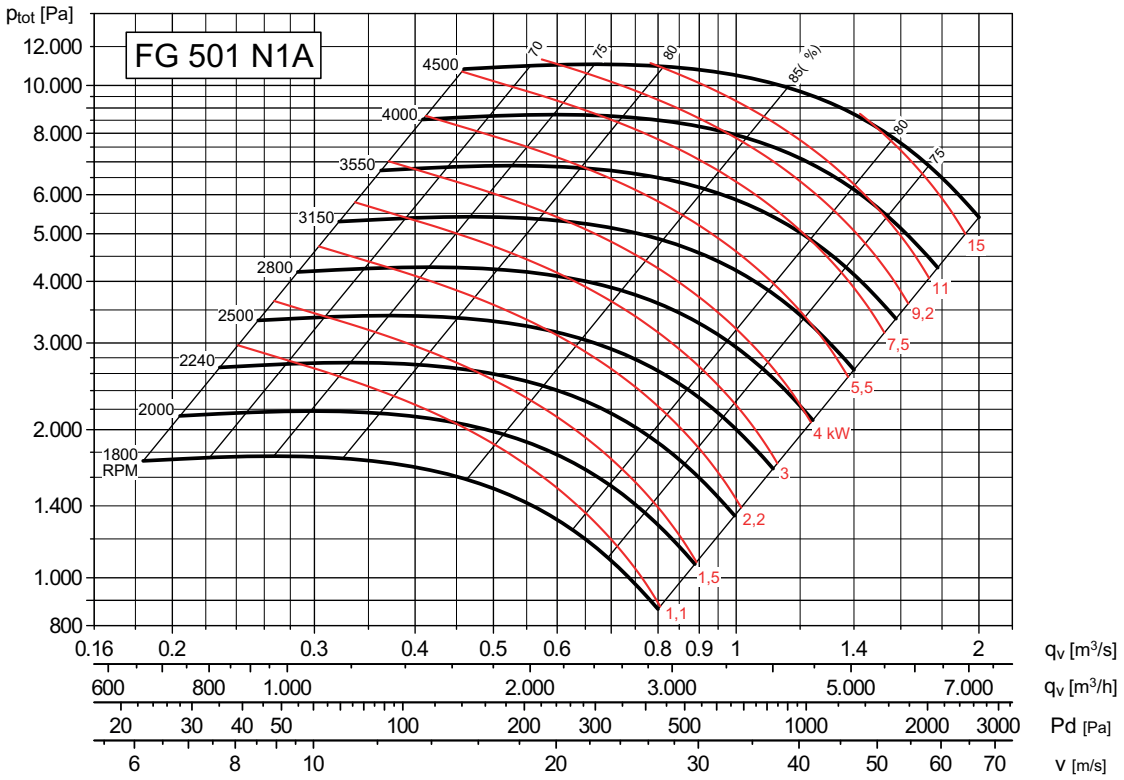
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 4250 rpm
101 ÷ 220°C = 3750 rpm
201 ÷ 300°C = 3350 rpm

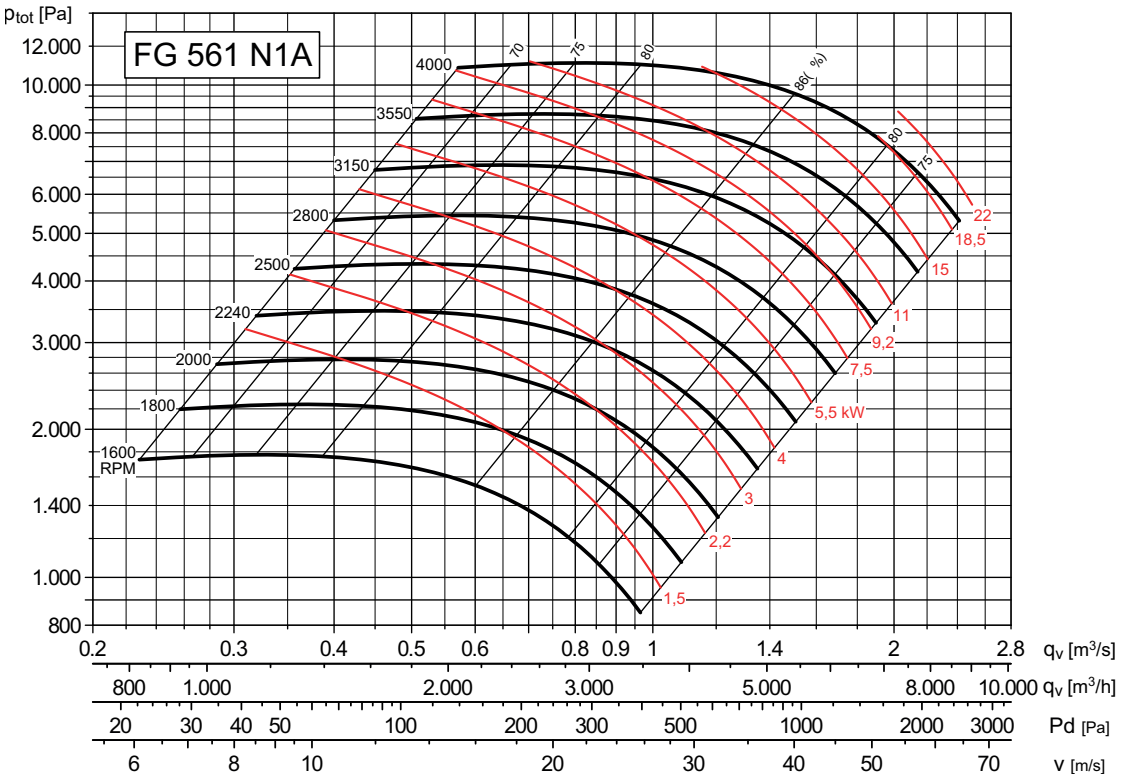



MAX. RPM

≤ 100°C = 4000 rpm
101 ÷ 220°C = 3550 rpm
201 ÷ 300°C = 3150 rpm

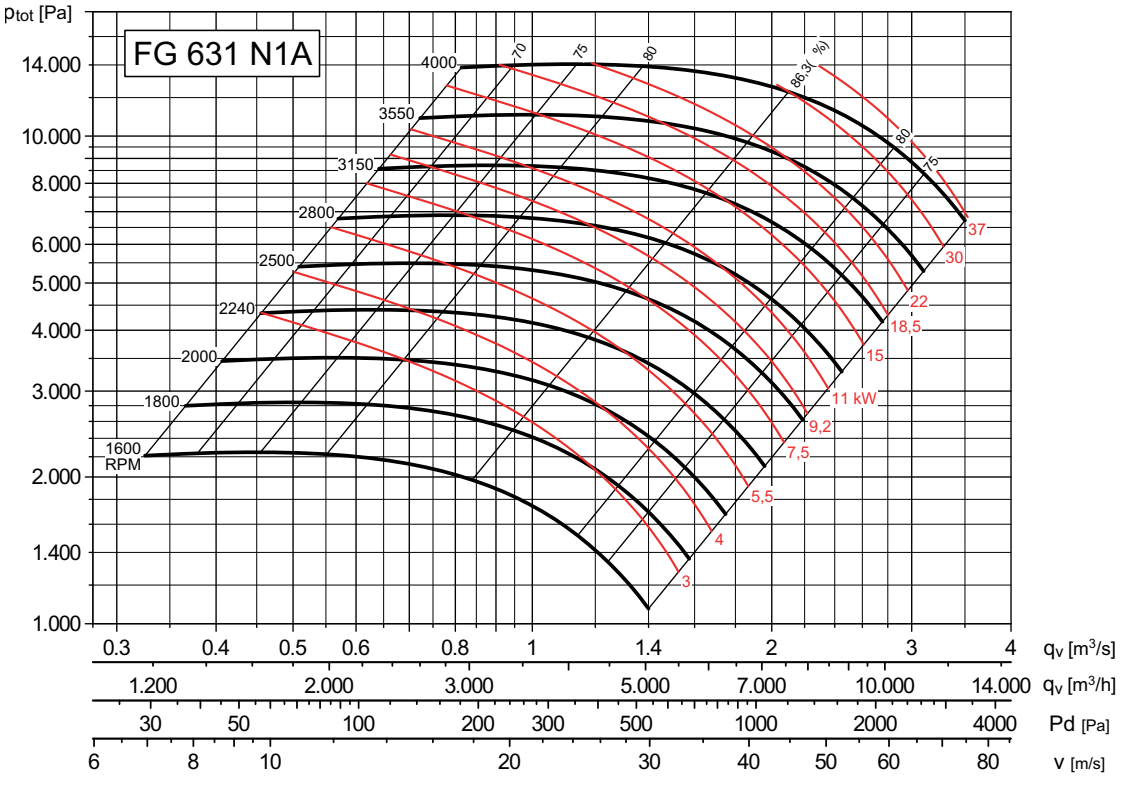
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 3750 rpm
101 ÷ 220°C = 3350 rpm
201 ÷ 300°C = 3000 rpm

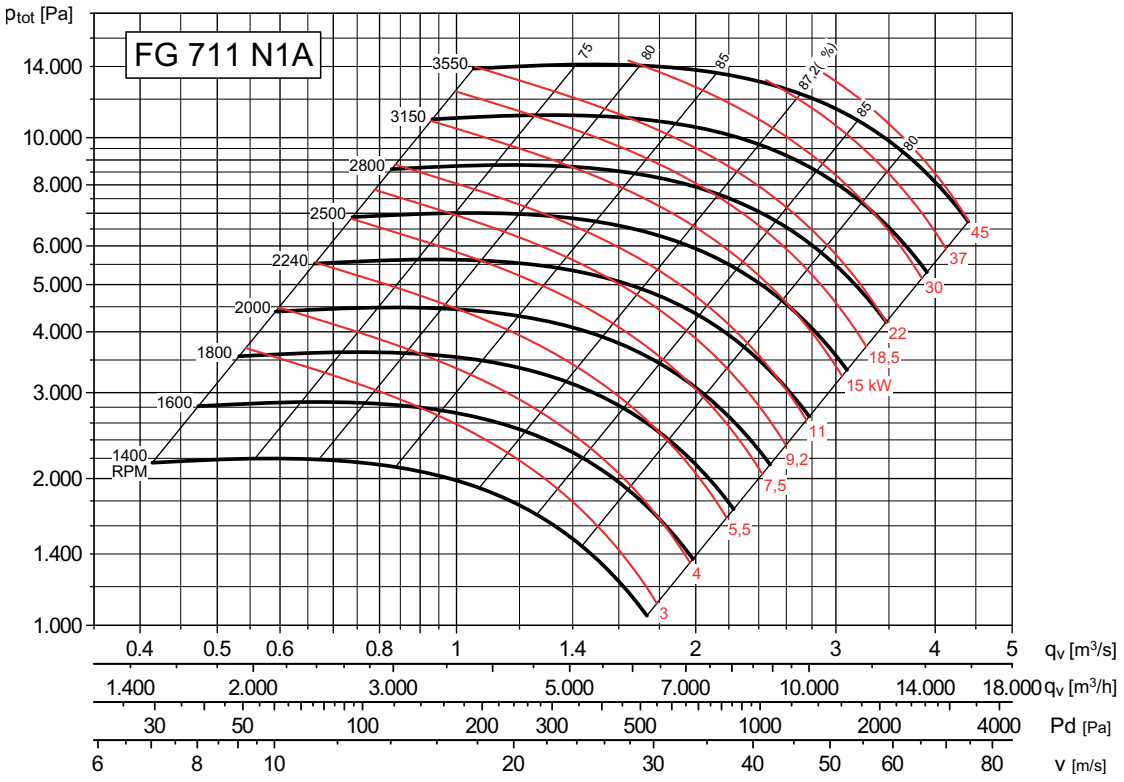



MAX. RPM

≤ 100°C = 3550 rpm
101 ÷ 220°C = 3150 rpm
201 ÷ 300°C = 2800 rpm

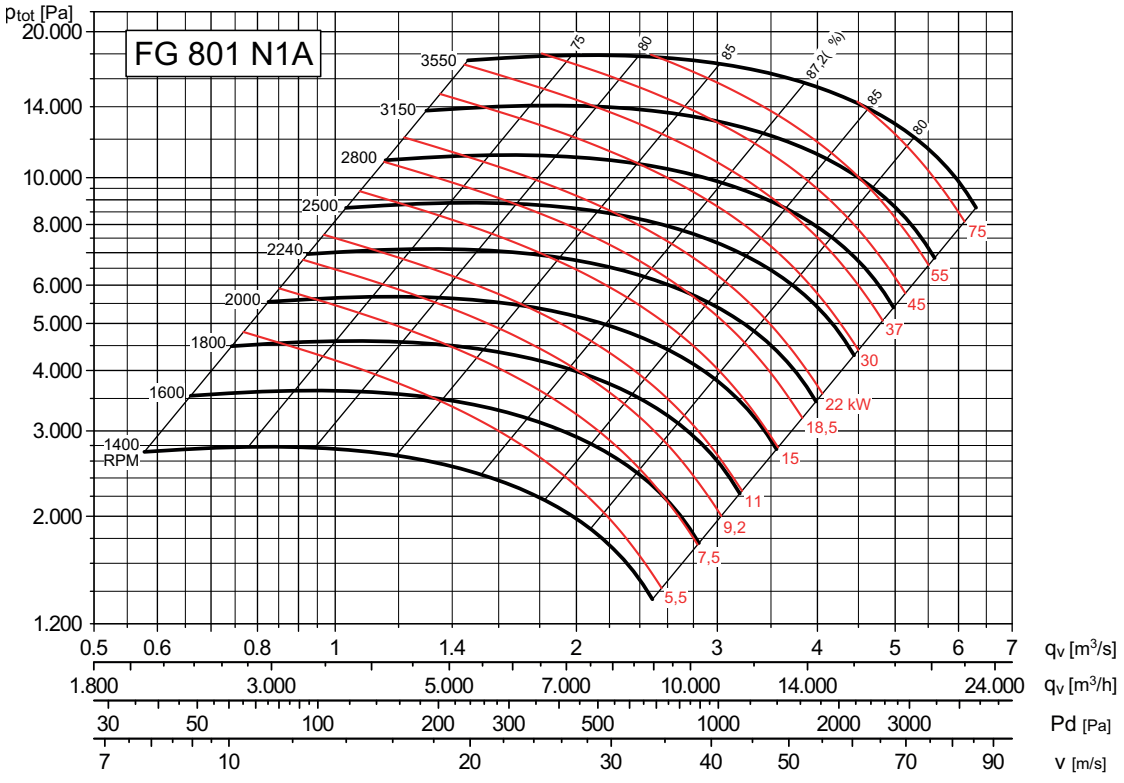
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 3350 rpm
101 ÷ 220°C = 3000 rpm
201 ÷ 300°C = 2650 rpm

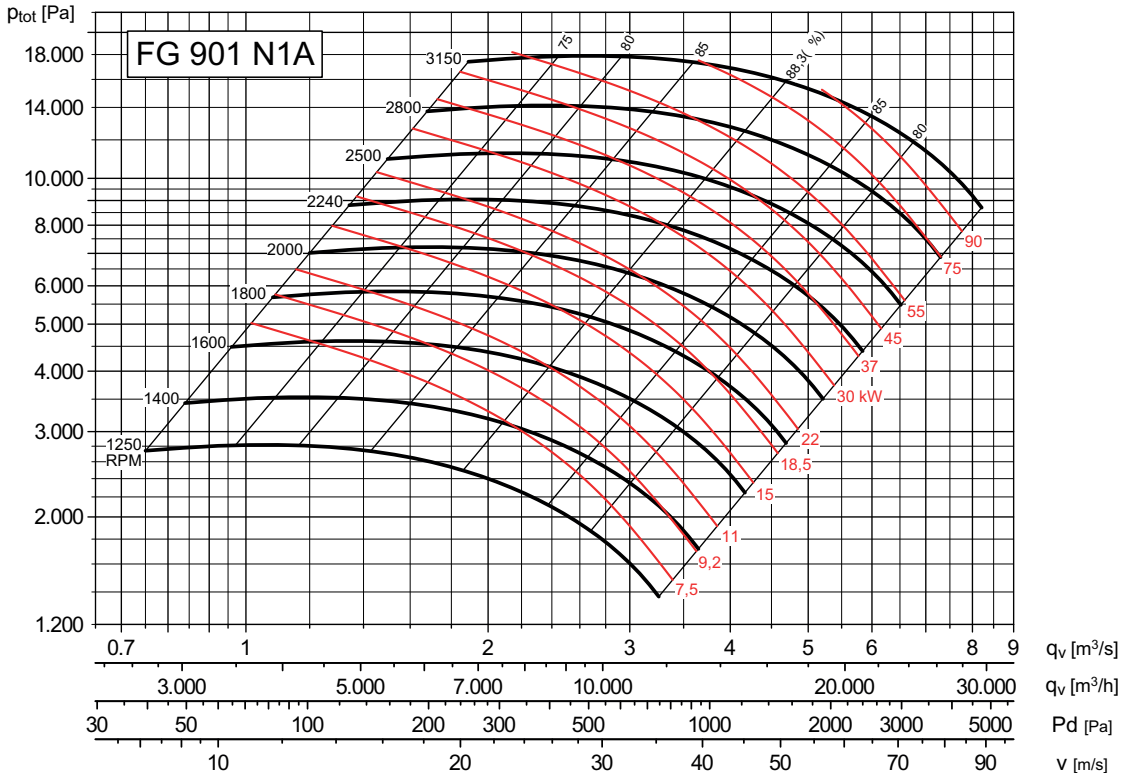



MAX. RPM

≤ 100°C = 3150 rpm
101 ÷ 220°C = 2800 rpm
201 ÷ 300°C = 2500 rpm

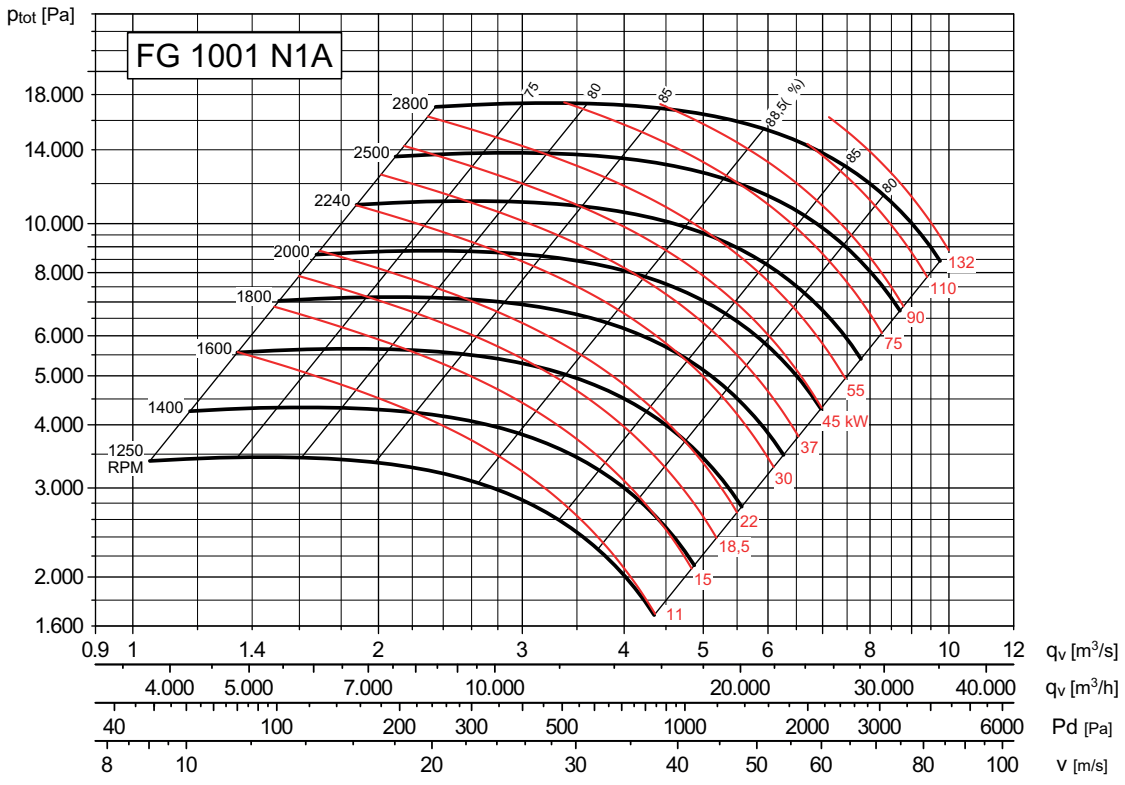
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 3000 rpm
101 ÷ 220°C = 2650 rpm
201 ÷ 300°C = 2360 rpm

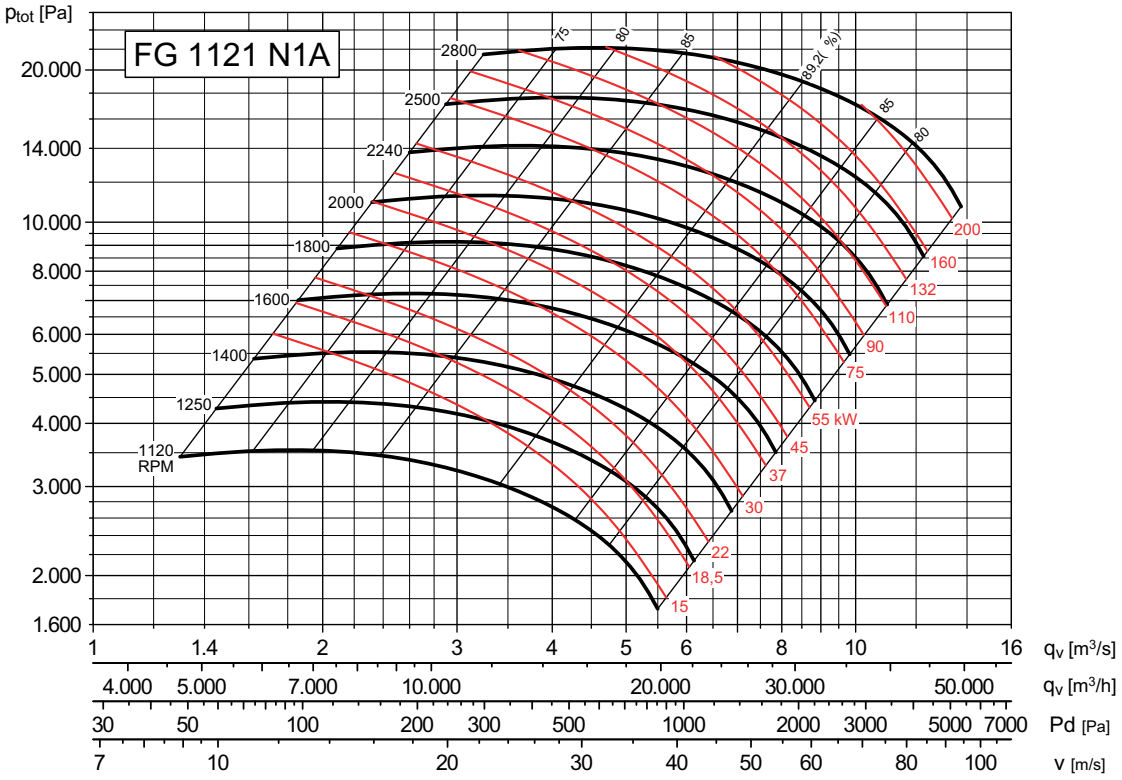



MAX. RPM

≤ 100°C = 2800 rpm
101 ÷ 220°C = 2500 rpm
201 ÷ 300°C = 2240 rpm

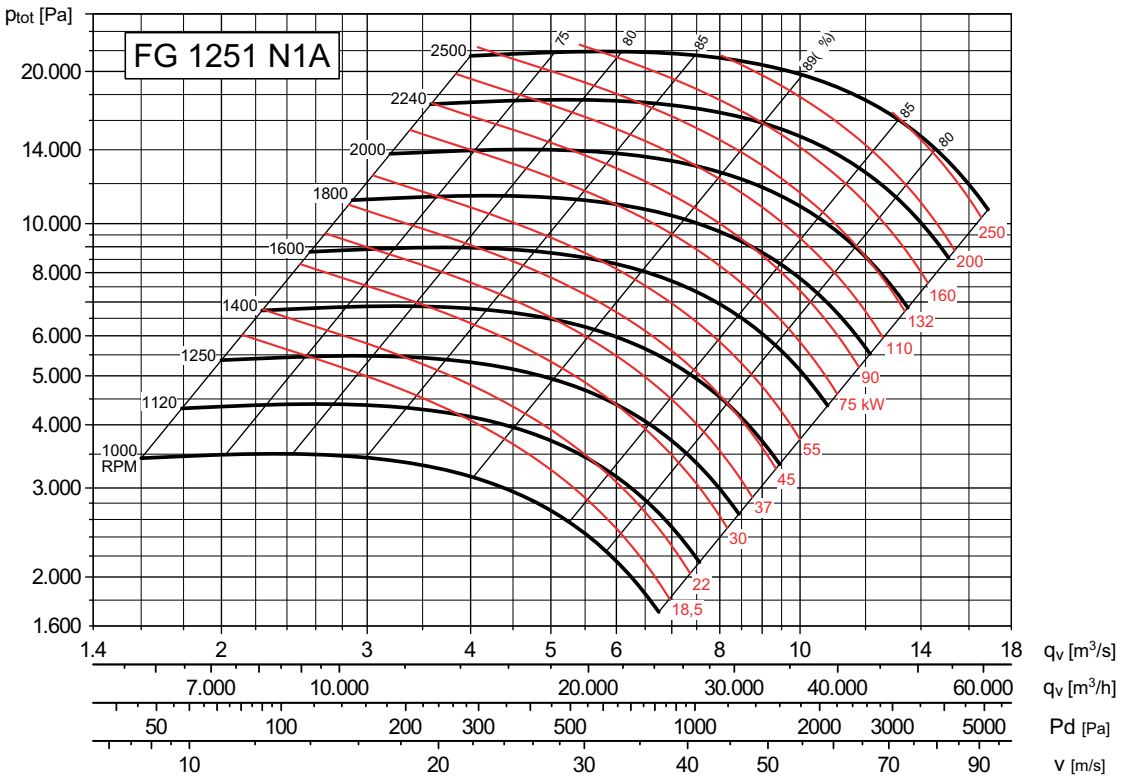
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 2650 rpm
101 ÷ 220°C = 2360 rpm
201 ÷ 300°C = 2120 rpm

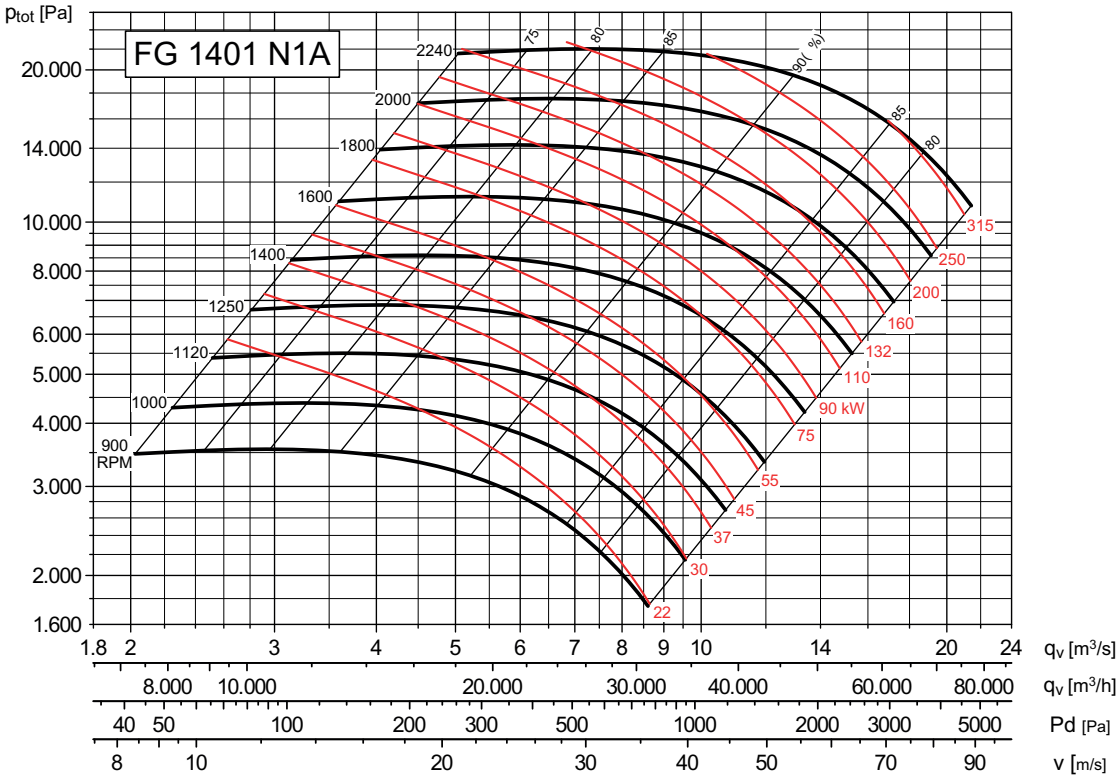



MAX. RPM

≤ 100°C = 2360 rpm
101 ÷ 220°C = 2120 rpm
201 ÷ 300°C = 1900 rpm

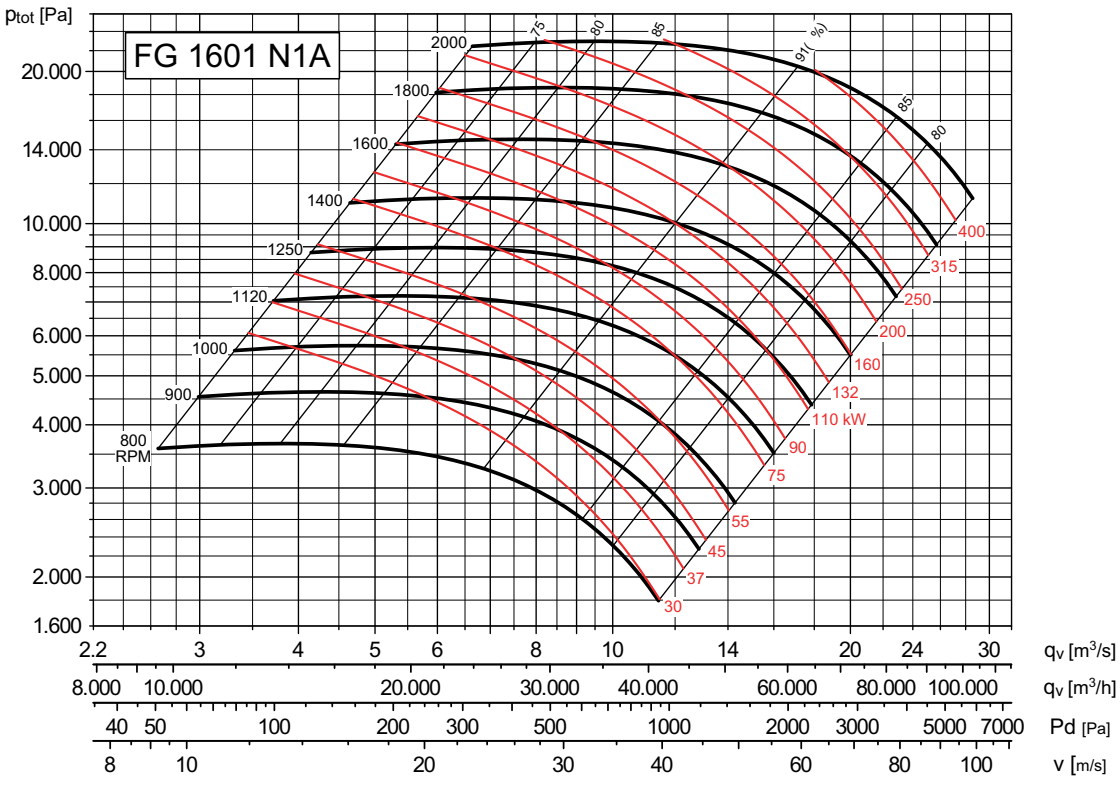
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 2120 rpm
101 ÷ 220°C = 1900 rpm
201 ÷ 300°C = 1700 rpm

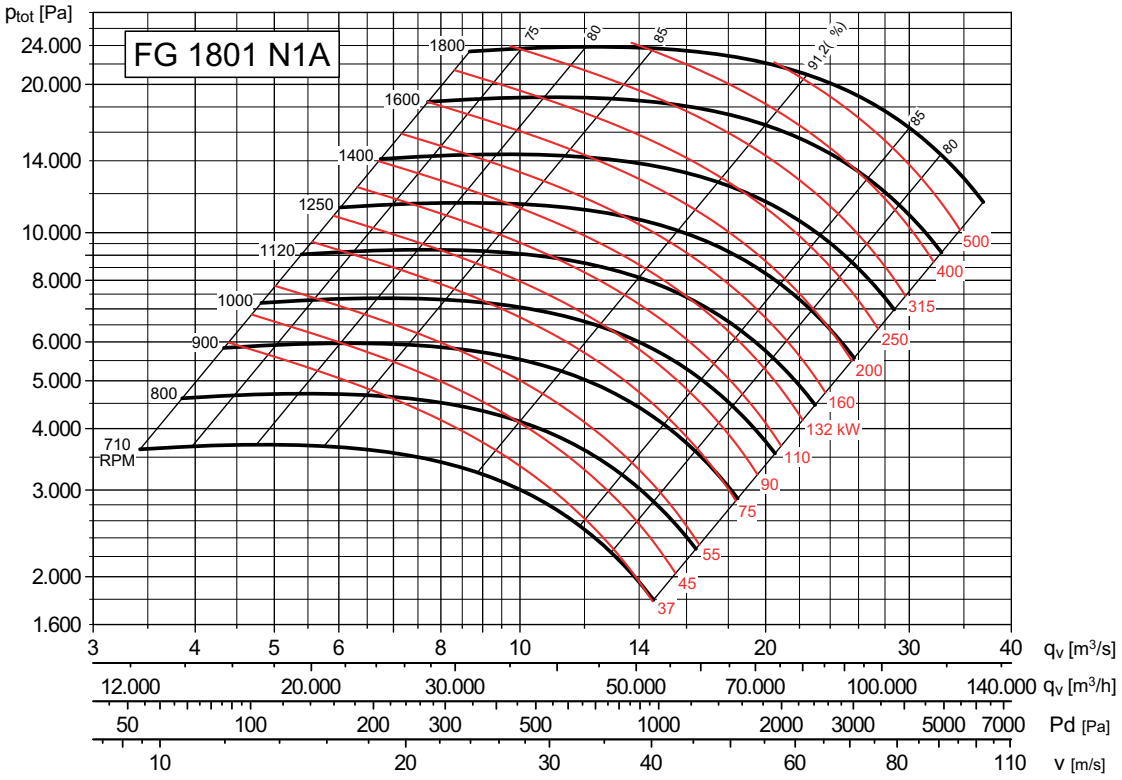



MAX. RPM

≤ 100°C = 1900 rpm
101 ÷ 220°C = 1700 rpm
201 ÷ 300°C = 1500 rpm

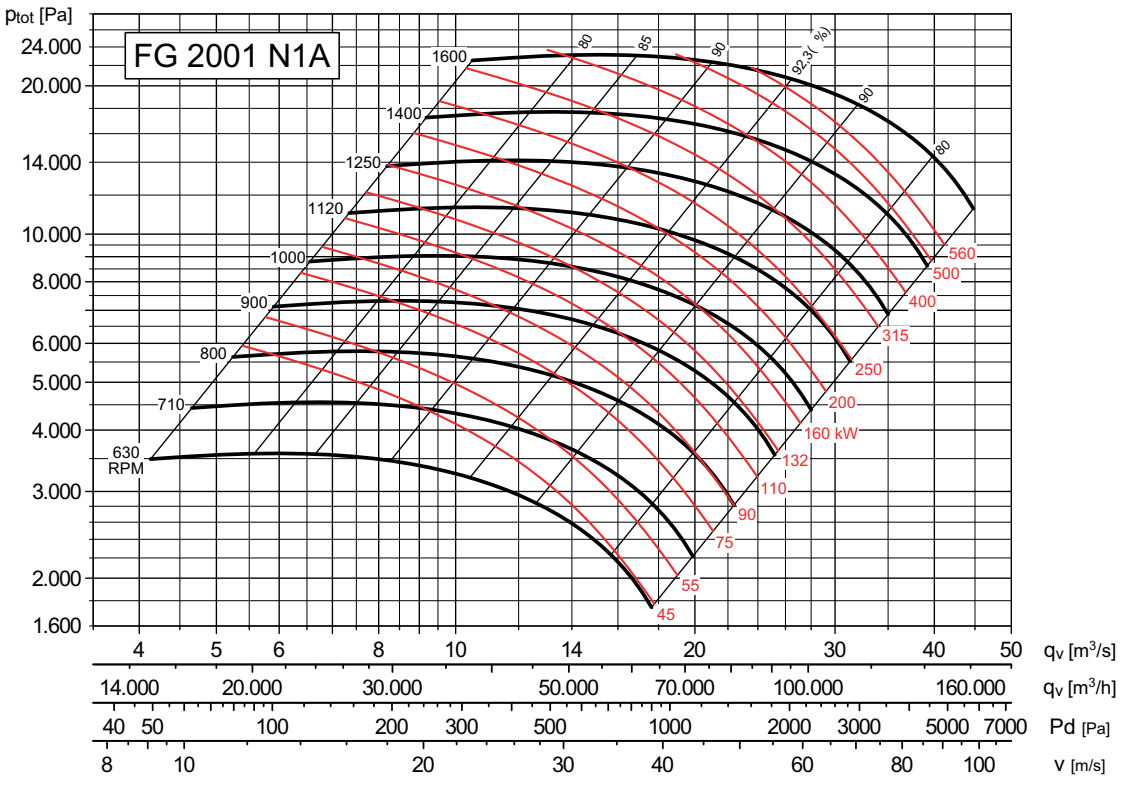
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 1700 rpm
101 ÷ 220°C = 1500 rpm
201 ÷ 300°C = 1320 rpm

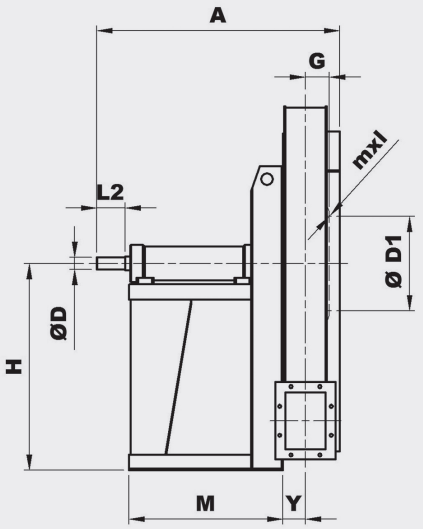


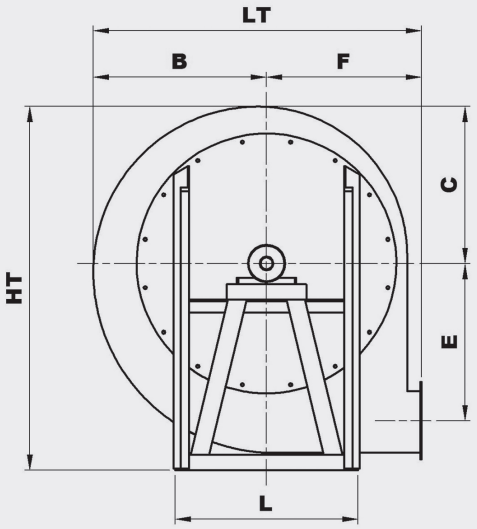

MAX. RPM

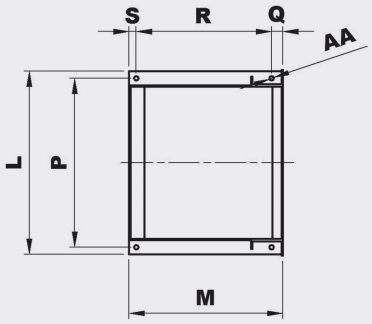
≤ 100°C = 1500 rpm
101 ÷ 220°C = 1320 rpm
201 ÷ 300°C = 1180 rpm

## DIMENSIONES (mm)

Modelos desde 451 hasta 1001



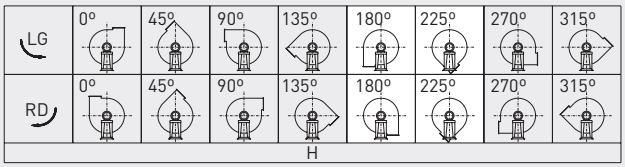






DESCARGA ORIENTABLE

EJECUCIÓN B
Con rodete de refrigeración, contactar con oficina técnica.

ORIENTACIONES

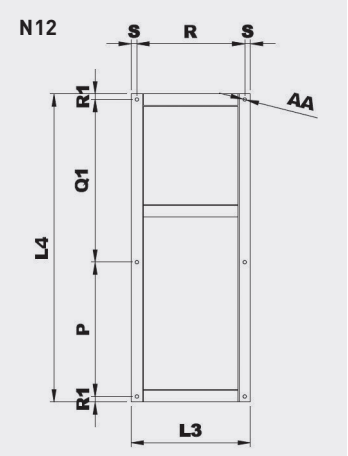



Para estas orientaciones, contactar con oficina técnica

| Modelo | | | | | | | | | | | | | Eje | | Base | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | ØD1 | E | F | G | H | HT | mxl | Y | LT | L2 | ØD | L | P | M | Q | R | S | ØAA |
| FG 451 N1A | 760 | 345 | 315 | 265 | 265 | 300 | 76 | 400 | 715 | M6x20 | 70 | 645 | 80 | 38 | 400 | 355 | 485 | 50 | 412 | 23 | 14 |
| FG 501 N1A | 770 | 380 | 350 | 292 | 297 | 335 | 83 | 450 | 800 | M8x25 | 78 | 715 | 80 | 38 | 400 | 355 | 485 | 43 | 417 | 23 | 14 |
| FG 561 N1A | 920 | 430 | 390 | 332 | 337 | 375 | 92 | 500 | 890 | M8x25 | 87 | 805 | 110 | 42 | 418 | 364 | 584 | 80 | 476 | 28 | 17 |
| FG 631 N1A | 935 | 485 | 440 | 366 | 381 | 425 | 104 | 560 | 1000 | M8x25 | 98 | 910 | 110 | 48 | 418 | 364 | 579 | 72 | 479 | 28 | 17 |
| FG 711 N1A | 1030 | 540 | 490 | 405 | 426 | 475 | 115 | 630 | 1120 | M8x25 | 109 | 1015 | 110 | 48 | 606 | 542 | 645 | 73 | 539 | 33 | 19 |
| FG 801 N1A | 1075 | 610 | 550 | 448 | 481 | 530 | 127 | 710 | 1260 | M8x25 | 121 | 1140 | 110 | 55 | 646 | 582 | 666 | 88 | 548 | 33 | 19 |
| FG 901 N1A | 1150 | 685 | 620 | 497 | 542 | 600 | 144 | 800 | 1420 | M8x25 | 135 | 1285 | 140 | 65 | 762 | 682 | 650 | 39 | 572 | 39 | 21 |
| FG 1001 N1A | 1300 | 760 | 690 | 551 | 607 | 670 | 160 | 900 | 1590 | M8x25 | 152 | 1430 | 170 | 80 | 862 | 782 | 710 | 39 | 632 | 39 | 21 |

## DIMENSIONES (mm)

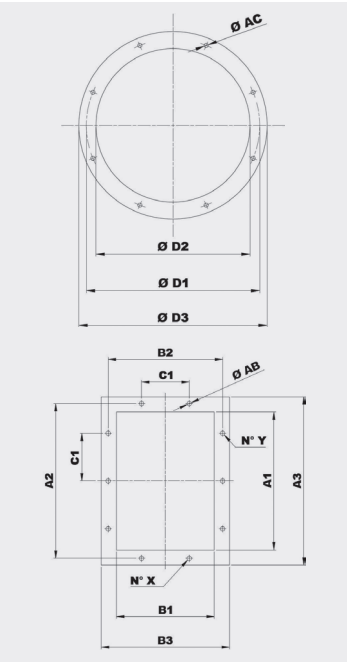
Modelos desde 451 hasta 1001




Bancada ejecución 12

| Modelo | P | L3 | L4 | Q1 | R | R1 | S | ØAA | Peso (kg) |
|---|---|---|---|---|---|---|---|---|---|
| 451 N12A | 355 | 458 | 1060 | 661 | 412 | 22 | 23 | 14 | 33 |
| 501 N12A | 355 | 463 | 1120 | 721 | 417 | 22 | 23 | 14 | 35 |
| 561 N12A | 364 | 532 | 1180 | 762 | 476 | 27 | 28 | 17 | 40 |
| 631 N12A | 364 | 535 | 1250 | 832 | 479 | 27 | 28 | 17 | 45 |
| 711 N12A | 542 | 605 | 1500* | 894* | 539 | 32 | 33 | 19 | 60 |
| 801 N12A | 582 | 614 | 1600 | 954 | 548 | 32 | 33 | 19 | 70 |
| 901 N12A | 682 | 650 | 1800 | 1038 | 572 | 40 | 39 | 21 | 100 |
| 1001 N12A | 782 | 710 | 2100 | 1238 | 632 | 40 | 39 | 21 | 154 |

* Para motores de talla 250, esta cota aumenta en 100 mm




Brida aspiración

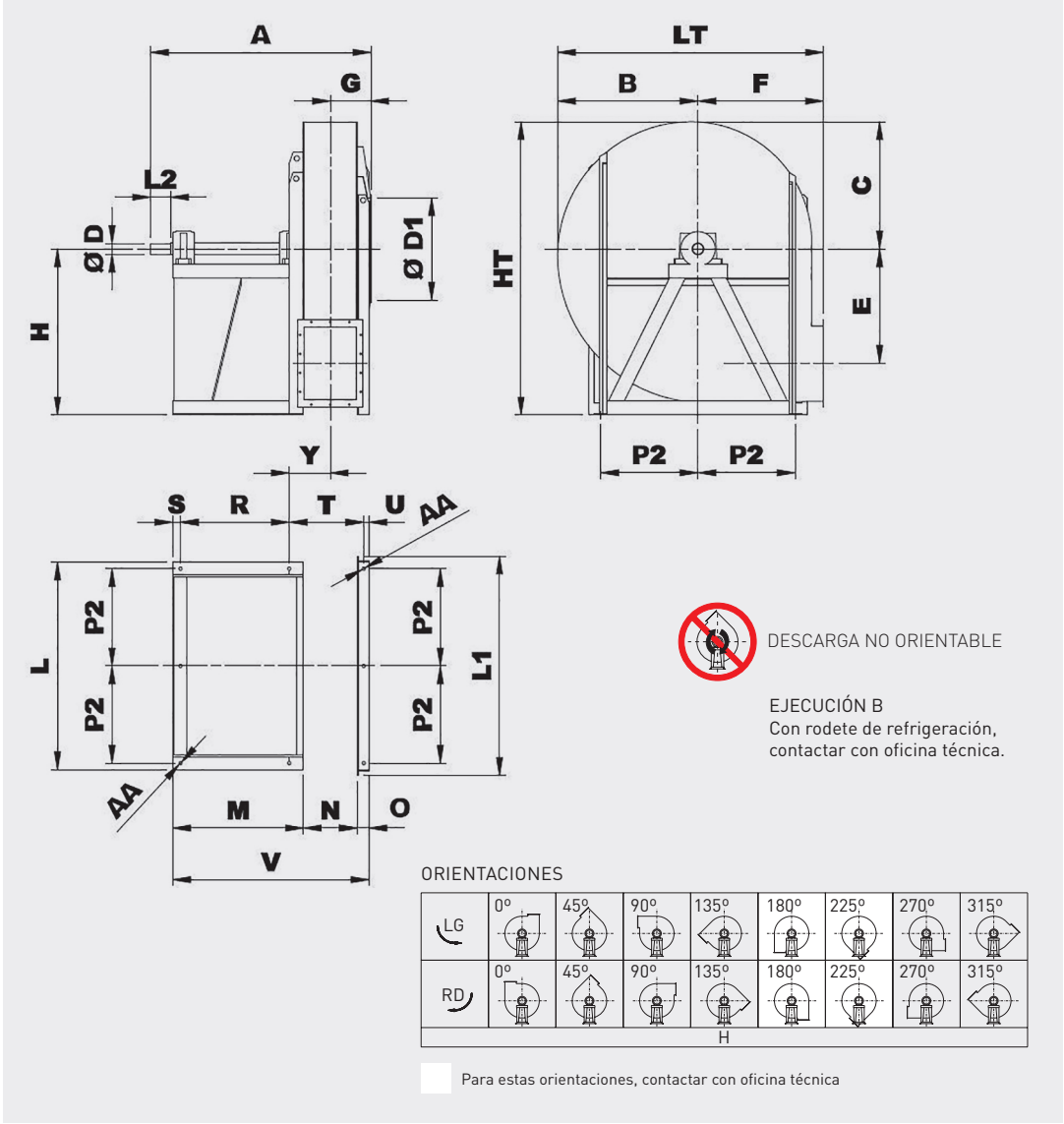
| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 451 | 224 | 265 | 228 | 298 | 8 | 8 |
| 501 | 250 | 292 | 254 | 324 | 10 | 8 |
| 561 | 280 | 332 | 285 | 365 | 10 | 8 |
| 631 | 315 | 366 | 320 | 400 | 10 | 8 |
| 711 | 355 | 405 | 360 | 440 | 10 | 8 |
| 801 | 400 | 448 | 405 | 485 | 10 | 12 |
| 901 | 450 | 497 | 455 | 535 | 10 | 12 |
| 1001 | 500 | 551 | 505 | 585 | 10 | 12 |

Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 451 | 180x125 | 183 | 131 | 219 | 165 | 253 | 201 | 112 | 12 | 1+1 | 2+2 |
| 501 | 200x140 | 205 | 146 | 241 | 182 | 275 | 216 | 112 | 12 | 2+2 | 2+2 |
| 561 | 224x160 | 229 | 164 | 265 | 200 | 299 | 234 | 112 | 12 | 2+2 | 2+2 |
| 631 | 250x180 | 256 | 183 | 292 | 219 | 326 | 253 | 112 | 12 | 2+2 | 3+3 |
| 711 | 280x200 | 288 | 205 | 332 | 249 | 368 | 285 | 125 | 12 | 2+2 | 3+3 |
| 801 | 315x224 | 322 | 229 | 366 | 273 | 402 | 309 | 125 | 12 | 2+2 | 3+3 |
| 901 | 355x250 | 361 | 256 | 405 | 300 | 441 | 336 | 125 | 12 | 2+2 | 3+3 |
| 1001 | 400x280 | 404 | 288 | 448 | 332 | 484 | 368 | 125 | 12 | 3+3 | 4+4 |

## DIMENSIONES (mm)

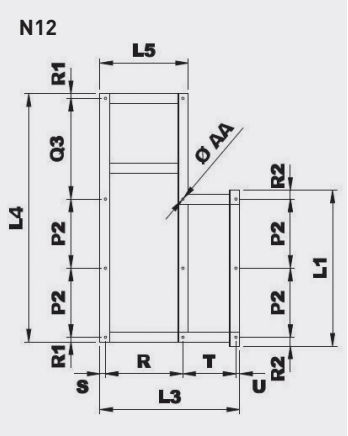
Modelos desde 1121 hasta 2001




| Modelo | | | | | | | | | | | Eje | | Base | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | ØD1 | E | F | G | H | HT | LT | D | L2 | L | L1 | M | N | O | P2 | R | S | T | U | V | Y | ØAA |
| FG 1121 N1A | 1338 | 850 | 770 | 629 | 684 | 750 | 241 | 1000 | 1170 | 1600 | 80 | 170 | 1268 | 1348 | 710 | 322 | 80 | 589 | 600 | 55 | 422 | 35 | 1112 | 216 | 24 |
| FG 1251 N1A | 1455 | 955 | 865 | 698 | 772 | 850 | 271 | 1120 | 1985 | 1805 | 80 | 170 | 1400 | 1480 | 800 | 361 | 80 | 655 | 710 | 45 | 451 | 35 | 1241 | 226 | 24 |
| FG 1401 N1A | 1629 | 1070 | 970 | 775 | 864 | 950 | 302 | 1250 | 2220 | 2020 | 80 | 170 | 1560 | 1640 | 935 | 404 | 80 | 725 | 780 | 55 | 549 | 35 | 1419 | 302 | 24 |
| FG 1601 N1A | 1868 | 1254 | 1082 | 861 | 965 | 1060 | 342 | 1400 | 2482 | 2314 | 90 | 170 | 1750 | 1850 | 1102 | 453 | 80 | 820 | 917 | 65 | 628 | 45 | 1655 | 327 | 28 |
| FG 1801 N1A | 1972 | 1406 | 1217 | 958 | 1090 | 1180 | 379 | 1550 | 2767 | 2586 | 100 | 210 | 1950 | 2070 | 1102 | 507 | 120 | 915 | 917 | 65 | 692 | 55 | 1729 | 374 | 28 |
| FG 2001 N1A | 2049 | 1558 | 1353 | 1067 | 1215 | 1320 | 425 | 1800 | 3153 | 2878 | 100 | 210 | 2150 | 2270 | 1102 | 569 | 120 | 1015 | 917 | 65 | 754 | 55 | 1791 | 405 | 28 |

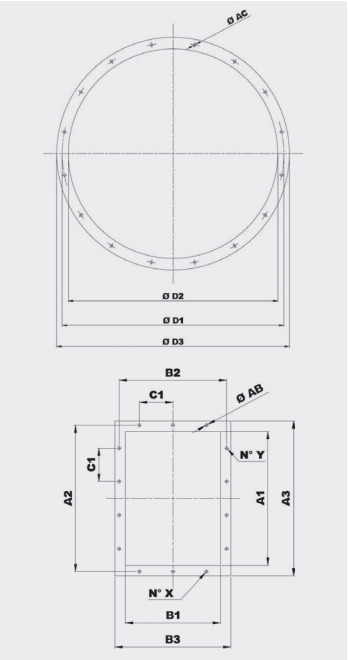
## DIMENSIONES (mm)

Modelos desde 1121 hasta 2001




Bancada ejecución 12

| Modelo | P2 | L1 | L3 | L4 | L5 | Q3 | R | R1 | R2 | S | T | U | ØAA | Peso (kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1121 N12A | 589 | 1348 | 1112 | 2334 | 710 | 1066 | 600 | 45 | 85 | 55 | 422 | 35 | 24 | 230 |
| 1251 N12A | 655 | 1480 | 1241 | 2630 | 800 | 1230 | 710 | 45 | 85 | 45 | 451 | 35 | 24 | 252 |
| 1401 N12A | 725 | 1640 | 1419 | 2800 | 890 | 1240 | 780 | 55 | 95 | 55 | 549 | 35 | 24 | 285 |
| 1601 N12A | 820 | 1850 | 1655 | 2945 | 1047 | 1195 | 917 | 55 | 105 | 65 | 928 | 45 | 28 | 335 |
| 1801 N12A | 915 | 2070 | 1729 | 3245 | 1047 | 1295 | 917 | 60 | 120 | 65 | 692 | 55 | 28 | 385 |
| 2001 N12A | 1015 | 2270 | 1791 | 3500 | 1047 | 1350 | 917 | 60 | 120 | 65 | 754 | 55 | 28 | 430 |




Brida aspiración

| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 1121 | 560 | 629 | 566 | 666 | 10 | 12 |
| 1251 | 630 | 698 | 636 | 736 | 10 | 12 |
| 1401 | 710 | 775 | 716 | 816 | 12 | 16 |
| 1601 | 800 | 861 | 806 | 906 | 12 | 16 |
| 1801 | 900 | 958 | 906 | 1006 | 12 | 16 |
| 2001 | 1000 | 1067 | 1007 | 1107 | 12 | 24 |

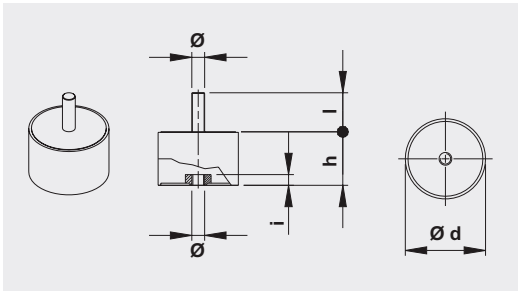
Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1121 | 450x315 | 453 | 322 | 497 | 366 | 533 | 402 | 125 | 12 | 3+3 | 4+4 |
| 1251 | 500x355 | 507 | 361 | 551 | 405 | 587 | 441 | 125 | 12 | 3+3 | 4+4 |
| 1401 | 560x400 | 569 | 404 | 629 | 464 | 669 | 504 | 160 | 14 | 3+3 | 4+4 |
| 1601 | 630x450 | 638 | 453 | 698 | 513 | 738 | 553 | 160 | 14 | 3+3 | 4+4 |
| 1801 | 710x500 | 715 | 507 | 775 | 567 | 815 | 607 | 160 | 14 | 3+3 | 5+5 |
| 2001 | 800x560 | 801 | 569 | 871 | 639 | 921 | 689 | 200 | 14 | 3+3 | 4+4 |

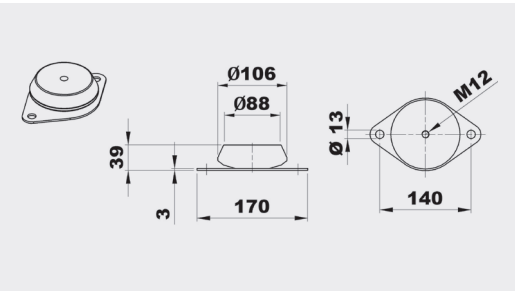
## AMORTIGUADORES

Amortiguadores recomendados

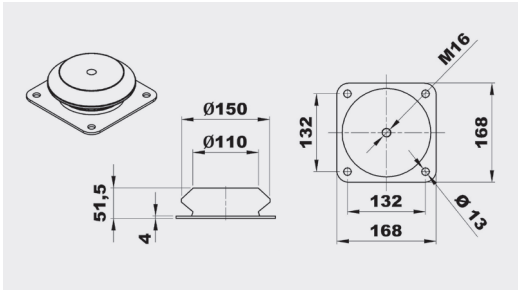
| Ventilador | Ejecución 9 | Ejecución 12 |
|---|---|---|
| 451 | 4 x AM 30 - 30x30 | 4 x AM 40 - 40x30 |
| 501/2 | 4 x AM 40 - 40x30 | 4 x AM 50 - 50x40 |
| 561/2 | 4 x AM 50 - 50x40 | 4 x AM 50 - 50x40 |
| 631/2 | 4 x AM 50 - 50x40 | 4 x AM 75 - 75x50 |
| 711/2 | 4 x AM 75 - 75x50 | 4 x AM 75 - 75x50 |
| 801/2 | 4 x AM 75 - 75x50 | 4 x AZ 39 - 140x39 |
| 901/2 | 4 x AZ 39 - 140x39 | 4 x AZ 39 - 140x39 |
| 1001/2 | 4 x AZ 39 - 140x39 | 4 x AZ 39 - 140x39 |
| 1121/2 | 6 x AZ 39 - 140x39 | 6 x AZ 51 - 132x51 |
| 1251 | 6 x AZ 51 - 132x51 | 6 x AZ 51 - 132x51 |
| 1401 | - | 6 x AZ 51 - 132x51 |
| 1601 | - | 6 x AZ 63 - 150x63 |
| 1801 | - | 6 x AZ 63 - 150x63 |
| 2001 | - | 6 x AZ 63 - 150x63 |



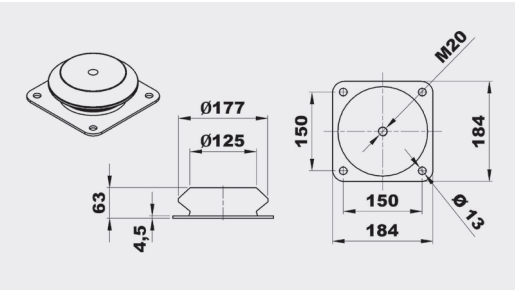

| Tipo | Carga para 4 soportes (kg) | d | h | Ø | l | Peso (kg) |
|---|---|---|---|---|---|---|
| AM 30 | 81÷140 | 30 | 30 | M8 | 20 | 0,05 |
| AM 40 | 141÷224 | 40 | 30 | M8 | 23 | 0,10 |
| AM 50 | 225÷315 | 50 | 40 | M10 | 28 | 0,20 |
| AM 75 | 316÷630 | 75 | 50 | M12 | 37 | 0,50 |




| Tipo | Carga para 4 soportes (kg) | Peso (kg) |
|---|---|---|
| AZ 39 | 631÷1250 | 0,7 |

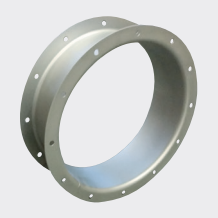



| Tipo | Carga para 4 soportes (kg) | Peso (kg) |
|---|---|---|
| AZ 51 | 1251÷2500 | 1,8 |

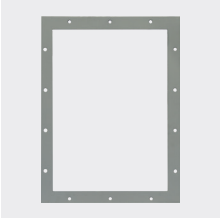



| Tipo | Carga para 4 soportes (kg) | Peso (kg) |
|---|---|---|
| AZ 63 | 2501÷5000 | 2,5 |

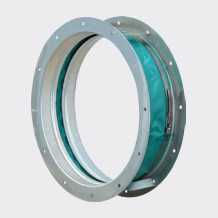
## ACCESORIOS



**CA (CFH1) - CFH2 - CFH3**
Contrabrida - Brida plana circular.



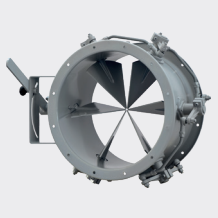
**CP**
Brida plana rectangular.



**GA**
Junta flexible aspiración.



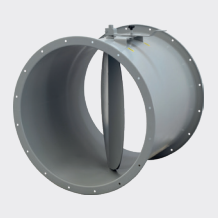
**GP**
Junta flexible descarga.



**DP**
Regulador de caudal de aspiración.



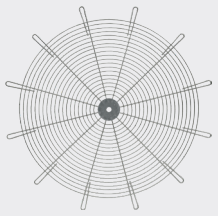
**SAD**
Compuerta de regulación de caudal de descarga.



**SF**
Vávula mariposa.



**DF**
Filtro en la aspiración.



**RC**
Rejilla de protección para la aspiración.



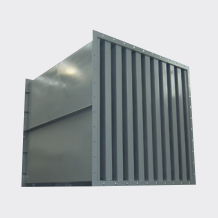
**AM/AZ**
Soportes antivibratorios.



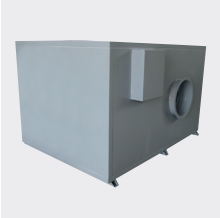
**SCSO**
Silenciador cilíndrico.



**SCCO**
Silenciador cilíndrico con bulbo.



**SASS**
Silenciador rectangular.



**CI**
Cabina de insonorización.

Ver información completa en página **772**.

# FI-N

## VENTILADORES CENTRÍFUGOS DE ALTA PRESIÓN

*ACOPLAMIENTO DIRECTO*

ErP OK

Silent Kit*

Ventilador centrífugo de acoplamiento directo y simple aspiración. Fabricados en chapa de acero protegida contra la corrosión mediante tratamiento por cataforesis + pintura poliuretana. Temperaturas del aire a transportar -20ºC/+100ºC en continuo.



APLICACIONES

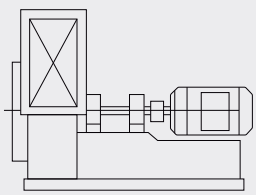
**Aire a transportar**
Aire limpio

**Cantidad de polvo (mg/m³)**
<50



Rodete de álabes curvados hacia atrás

**SISTEMA 8:** acoplamiento mediante junta elástica.



Disponible bajo pedido

*Silent Kit opcional.

### Motores

De 2 polos, de alta eficiencia IE 3*, tensión de alimentación trifásica 230/400V 50Hz hasta tamaño motor 112 y 400/690V 50Hz para motores de mayor dimensión. Protección IP55, Clase F.

* Entre 75 y 200kW, los motores suministrados serán IE4.

### Bajo pedido

- Fabricación en diferentes materiales constructivos.
- Motores de 2 velocidades.
- Versiones de 60 Hz.
- Pintura en diferentes RAL.
- Versión sin pie soporte (Motor-Brida, Sistema 5), hasta tamaño de motor 160.
- Versión para alta temperatura: hasta 220ºC (versiones B: con rodete de refrigeración).
- SISTEMA 8: acoplamiento mediante junta elástica.
- Trampilla de inspección, purga de drenaje, distintos tipos de estanqueidad a nivel de voluta y de paso de eje.
- Ventiladores estancos.
- Calorifugado.

### Versiones ATEX

Bajo pedido, versiones antiexplosivas según la Directiva ATEX para modelos trifásicos:
Para trabajar a temperaturas de -20ºC a +60ºC, presión ambiente (absoluta) de 0,8 bar hasta 1,1 bar, según EN 14986.

- Gas:
  - Ex 2G IIB T2-T3-T4*
  - Ex 2G IIB+H2 T2-T3-T4*
  - Ex 3G IIB T2-T3-T4*
  - Ex 3G IIB+H2 T2-T3-T4*
- Polvo no conductivo:
  - Ex 2D IIIB T125°C*-T135°C*-T195°C-T295°C
  - Ex 3D IIIB T125°C*-T135°C*-T195°C-T295°C
- Polvo conductivo (con motor IP65 IIIC):
  - Ex 2D IIIC T125°C*-T135°C*-T195°C-T295°C
  - Ex 3D IIIC T125°C*-T135°C*-T195°C-T295°C

* Viabilidad técnica solicitada.

## CARACTERÍSTICAS TÉCNICAS

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación

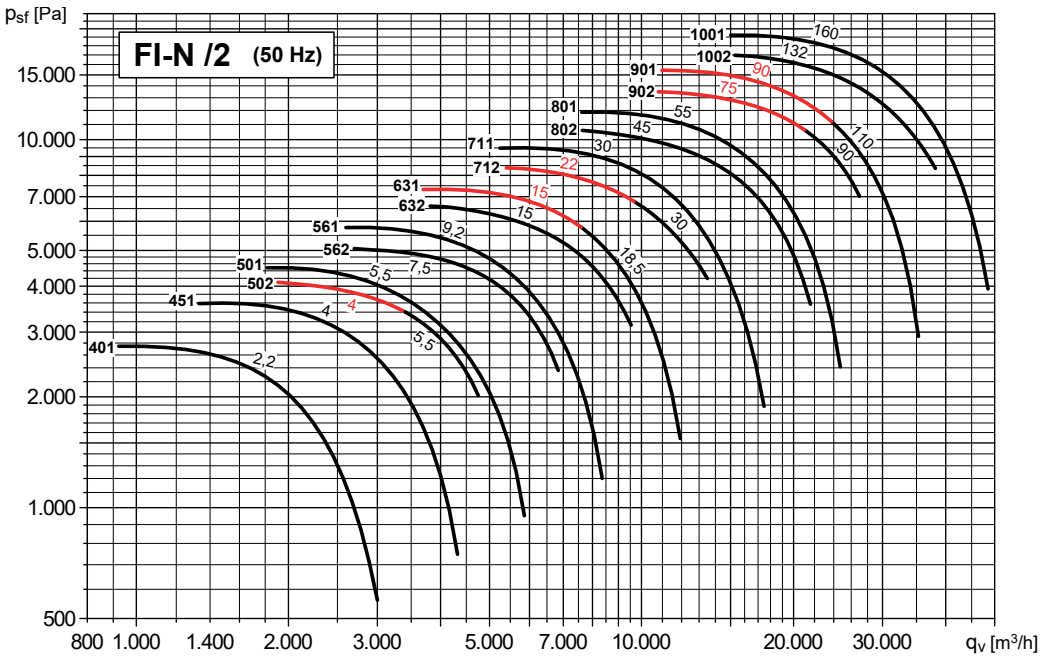
| Modelo | Tamaño motor | Velocidad (r.p.m.) | Potencia motor (kW) | Intensidad motor 400V (A) | Caudal máximo ($m^3/h$) | Nivel presión sonora a 1 m (dB(A))[1] | Peso (kg)[2] | Momento de inercia ($kg \cdot m^2$)[3] |
|---|---|---|---|---|---|---|---|---|
| 2 POLOS | | | | | | | | |
| FI 401/2 N4A | 90L2 | 2850 | 2,2 | 4,43 | 3.000 | 78 | 56 | 0,15 |
| FI 451/2 N4A | 112M2 | 2910 | 4,0 | 7,50 | 4.320 | 81 | 83 | 0,28 |
| FI 502/2 N4A | 112M2 | 2910 | 4,0 | 7,50 | 3.400 | 83 | 98 | 0,35 |
| FI 502/2 N4A | 132SA2 | 2890 | 6,0 | 10,10 | 4.750 | 81 | 111 | 0,35 |
| FI 501/2 N4A | 132SA2 | 2890 | 5,5 | 10,10 | 5.860 | 87 | 112 | 0,40 |
| FI 501/2 N4A | 132SB2 | 2890 | 7,5 | 13,90 | 5.860 | 87 | 118 | 0,40 |
| FI 562/2 N4A | 132SB2 | 2890 | 7,5 | 13,90 | 6.840 | 88 | 138 | 0,58 |
| FI 562/2 N4A | 132MB2 | 2900 | 9,2 | 16,60 | 6.840 | 88 | 146 | 0,58 |
| FI 561/2 N4A | 132MB2 | 2900 | 9,2 | 16,60 | 8.360 | 88 | 148 | 0,70 |
| FI 561/2 N4A | 160MR2 | 2930 | 11,0 | 18,70 | 8.360 | 89 | 173 | 0,70 |
| FI 632/2 N4A | 160M2 | 2935 | 15,0 | 25,40 | 9.540 | 90 | 208 | 0,98 |
| FI 631/2 N4A | 160M2 | 2935 | 15,0 | 25,40 | 7.600 | 90 | 222 | 1,20 |
| FI 631/2 N4A | 160L2 | 2940 | 18,5 | 33,30 | 11.930 | 92 | 244 | 1,20 |
| FI 712/2 N4A | 180M2 | 2940 | 22,0 | 39,00 | 9.660 | 93 | 279 | 1,80 |
| FI 712/2 N4A | 200LR2 | 2960 | 30,0 | 53,50 | 13.500 | 93 | 395 | 1,80 |
| FI 711/2 N4A | 200LR2 | 2960 | 30,0 | 53,50 | 17.480 | 94 | 398 | 2,20 |
| FI 711/2 N4A | 200L2 | 2960 | 37,0 | 65,60 | 17.480 | 94 | 409 | 2,20 |
| FI 802/2 N4A | 225M2 | 2960 | 45,0 | 77,60 | 21.600 | 95 | 491 | 3,00 |
| FI 802/2 N4A | 250M2 | 2960 | 55,0 | 93,50 | 21.600 | 95 | 561 | 3,00 |
| FI 801/2 N4A | 250M2 | 2960 | 55,0 | 93,50 | 24.740 | 96 | 565 | 3,80 |
| FI 801/2 N4A | 280S2 | 2960 | 75,0 | 126,00 | 24.740 | 96 | 664 | 3,80 |
| FI 902/2 N4A | 280S2 | 2960 | 75,0 | 126,00 | 21.030 | 98 | 875 | 4,80 |
| FI 902/2 N4A | 280M2 | 2960 | 90,0 | 151,00 | 27.000 | 98 | 907 | 4,80 |
| FI 901/2 N4A | 280M2 | 2960 | 90,0 | 151,00 | 23.790 | 98 | 912 | 5,30 |
| FI 901/2 N4A | 315S2 | 2970 | 110,0 | 186,00 | 35.320 | 98 | 1.071 | 5,30 |
| FI 1002/2 N4A | 315M2 | 2970 | 132,0 | 220,00 | 38.160 | 100 | 1.150 | 9,00 |
| FI 1002/2 N4A | 315MG2 | 2975 | 160,0 | 263,00 | 38.160 | 100 | 1.200 | 9,00 |
| FI 1001/2 N4A | 315MG2 | 2975 | 160,0 | 263,00 | 48.490 | 100 | 1.120 | 12,30 |
| FI 1001/2 N4A | 315MK2 | 2980 | 200,0 | 336,00 | 48.490 | 100 | 1.300 | 12,30 |

[1] Entubado en la descarga
Tolerancia del nivel de ruido de +3dB/A, medido en el punto de máxima eficiencia
[2] Con motor incluido y para orientación LG270 o RD270
[3] Momento de inercia del rodete

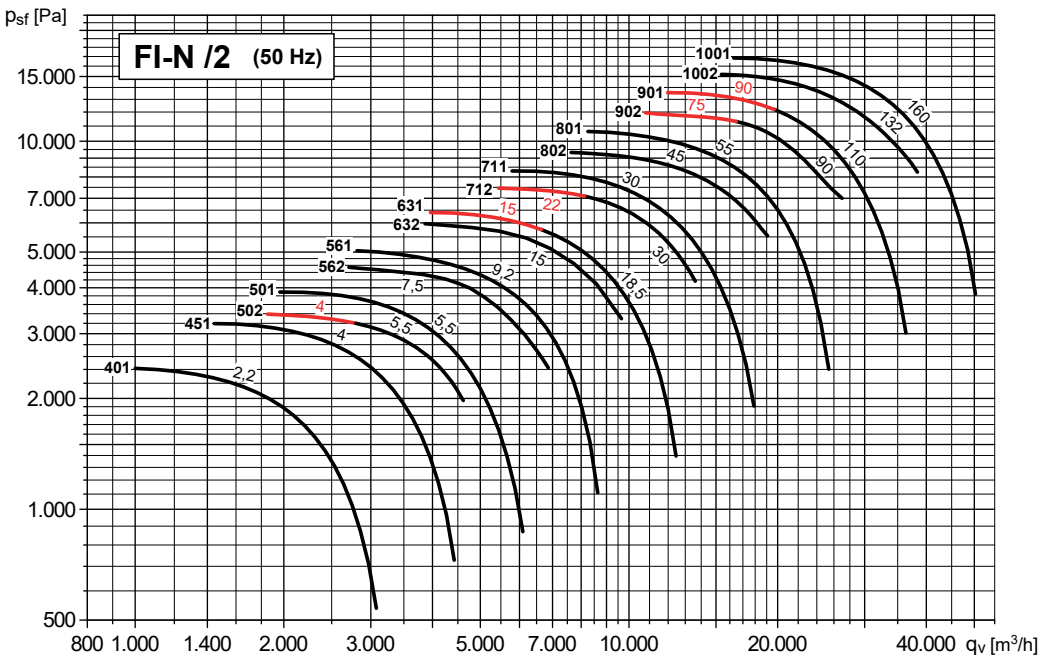
## CURVAS CARACTERÍSTICAS (a la descarga/ a la aspiración)

- Caudal en $m^3/h$
- **Psf: Presión estática en Pa**
- Modelo - Potencia motor en kW
- Ejemplo: 451 - 11
  Modelo - kW

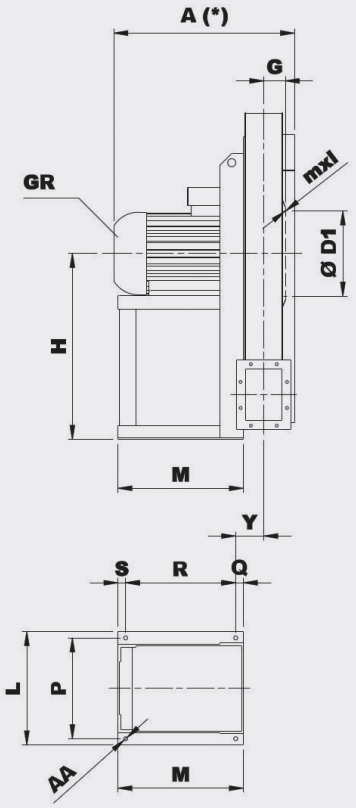
2 polos - Descarga - Modelos desde 401 hasta 1001

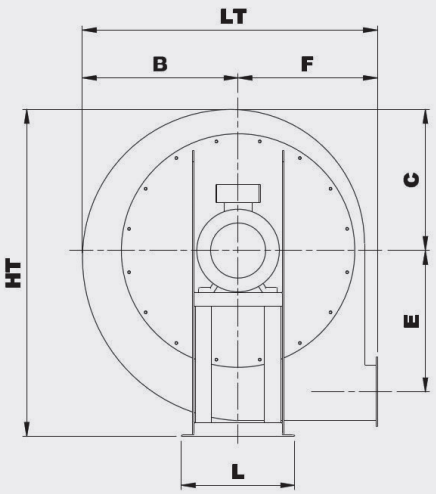



2 polos - Aspiración - Modelos desde 401 hasta 1001



## DIMENSIONES (mm)

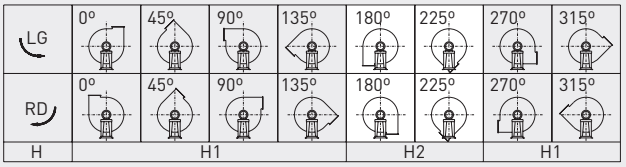



DESCARGA ORIENTABLE

EJECUCIÓN B
Con rodete de refrigeración, contactar con oficina técnica.

ORIENTACIONES

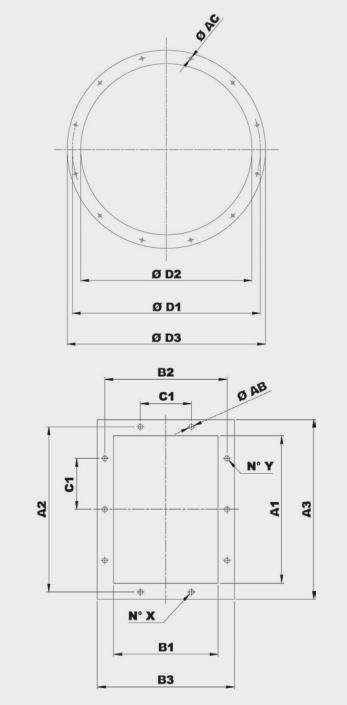



Para los ventiladores con orientaciones 180º y 225º, contactar con oficina técnica

| Modelo | | | | | | | | | | | | | | Base | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Motor GR | A* | B | C | ØD1 | E | F | G | H | | HT | mxl | Y | LT | L | P | M | Q | R | S | ØAA |
| | | | | | | | | | H1 | H2 | | | | | | | | | | | |
| FI 401/2 N4A | 90L2 | 475 | 310 | 280 | 265 | 217 | 280 | 83 | 375 | 280 | 655 | M6x20 | 137 | 590 | 260 | 234 | 260 | 60 | 183 | 17 | 10 |
| FI 451/2 N4A | 112M2 | 570 | 345 | 315 | 292 | 242 | 300 | 92 | 400 | 300 | 715 | M8x25 | 109 | 645 | 324 | 289 | 310 | 23 | 264 | 23 | 12 |
| FI 501/2 N4A | 132SA2 | 605 | 380 | 350 | 332 | 272 | 335 | 101 | 450 | 335 | 800 | M8x25 | 120 | 715 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| FI 501/2 N4A | 132SB2 | 605 | 380 | 350 | 332 | 272 | 335 | 101 | 450 | 335 | 800 | M8x25 | 120 | 715 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| FI 502/2 N4A | 132SA2 | 605 | 380 | 350 | 332 | 272 | 335 | 101 | 450 | 335 | 800 | M8x25 | 120 | 715 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| FI 502/2 N4A | 112M2 | 585 | 380 | 350 | 332 | 272 | 335 | 101 | 450 | 335 | 800 | M8x25 | 120 | 715 | 324 | 289 | 310 | 23 | 264 | 23 | 12 |
| FI 561/2 N4A | 160MR2 | 775 | 430 | 390 | 366 | 308 | 375 | 115 | 500 | 375 | 890 | M8x25 | 135 | 805 | 440 | 395 | 470 | 28 | 414 | 28 | 14 |
| FI 561/2 N4A | 132MB2 | 690 | 430 | 390 | 366 | 308 | 375 | 115 | 500 | 375 | 890 | M8x25 | 130 | 805 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| FI 562/2 N4A | 132MB2 | 690 | 430 | 390 | 366 | 308 | 375 | 115 | 500 | 375 | 890 | M8x25 | 130 | 805 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| FI 562/2 N4A | 132SB2 | 650 | 430 | 390 | 366 | 308 | 375 | 115 | 500 | 375 | 890 | M8x25 | 130 | 805 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| FI 631/2 N4A | 180M2 | 835 | 485 | 440 | 405 | 348 | 425 | 127 | 560 | 425 | 1000 | M8x25 | 153 | 910 | 488 | 434 | 540 | 33 | 474 | 33 | 17 |
| FI 631/2 N4A | 160L2 | 795 | 485 | 440 | 405 | 348 | 425 | 127 | 560 | 425 | 1000 | M8x25 | 148 | 910 | 440 | 395 | 470 | 28 | 414 | 28 | 14 |
| FI 632/2 N4A | 160M2 | 795 | 485 | 440 | 405 | 348 | 425 | 127 | 560 | 425 | 1000 | M8x25 | 148 | 910 | 440 | 395 | 470 | 28 | 414 | 28 | 14 |
| FI 711/2 N4A | 200L2 | 985 | 540 | 490 | 448 | 389 | 475 | 140 | 630 | 475 | 1120 | M8x25 | 213 | 1015 | 568 | 506 | 515 | 80 | 396 | 39 | 19 |
| FI 711/2 N4A | 200LR2 | 985 | 540 | 490 | 448 | 389 | 475 | 140 | 630 | 475 | 1120 | M8x25 | 213 | 1015 | 568 | 506 | 515 | 80 | 396 | 39 | 19 |
| FI 712/2 N4A | 180M2 | 855 | 540 | 490 | 448 | 389 | 475 | 140 | 630 | 475 | 1120 | M8x25 | 166 | 1015 | 488 | 434 | 540 | 33 | 474 | 33 | 17 |
| FI 712/2 N4A | 200LR2 | 985 | 540 | 490 | 448 | 389 | 475 | 140 | 630 | 475 | 1120 | M8x25 | 213 | 1015 | 568 | 506 | 515 | 80 | 396 | 39 | 19 |
| FI 801/2 N4A | 280S2 | 1260 | 610 | 550 | 497 | 440 | 530 | 161 | 710 | 530 | 1260 | M8x25 | 250 | 1140 | 770 | 690 | 714 | 100 | 564 | 50 | 21 |
| FI 801/2 N4A | 250M2 | 1110 | 610 | 550 | 497 | 440 | 530 | 161 | 710 | 530 | 1260 | M8x25 | 240 | 1140 | 676 | 604 | 624 | 90 | 490 | 44 | 19 |
| FI 802/2 N4A | 225M2 | 1050 | 610 | 550 | 497 | 440 | 530 | 161 | 710 | 530 | 1260 | M8x25 | 230 | 1140 | 616 | 556 | 564 | 80 | 445 | 39 | 19 |
| FI 802/2 N4A | 250M2 | 1110 | 610 | 550 | 497 | 440 | 530 | 161 | 710 | 530 | 1260 | M8x25 | 240 | 1140 | 676 | 604 | 624 | 90 | 490 | 44 | 19 |
| FI 901/2 N4A | 280M2 | 1270 | 685 | 620 | 551 | 496 | 600 | 177 | 800 | 600 | 1420 | M8x25 | 268 | 1285 | 770 | 690 | 690 | 100 | 540 | 50 | 21 |
| FI 901/2 N4A | 315S2 | 1370 | 685 | 620 | 551 | 496 | 600 | 177 | 800 | 600 | 1420 | M8x25 | 278 | 1285 | 850 | 760 | 800 | 110 | 635 | 55 | 21 |
| FI 902/2 N4A | 280S2 | 1270 | 685 | 620 | 551 | 496 | 600 | 177 | 800 | 600 | 1420 | M8x25 | 268 | 1285 | 770 | 690 | 690 | 100 | 540 | 50 | 21 |
| FI 902/2 N4A | 280M2 | 1270 | 685 | 620 | 551 | 496 | 600 | 177 | 800 | 600 | 1420 | M8x25 | 268 | 1285 | 770 | 690 | 690 | 100 | 540 | 50 | 21 |
| FI 1001/2 N4A | 315MK2 | 1440 | 760 | 690 | 629 | 556 | 670 | 252 | 900 | 670 | 1590 | M8x25 | 298 | 1430 | 850 | 760 | 800 | 110 | 635 | 55 | 21 |

* Según tamaño motor

## DIMENSIONES (mm)




Brida aspiración

| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 401 | 224 | 265 | 228 | 298 | 8 | 8 |
| 451 | 250 | 292 | 254 | 324 | 10 | 8 |
| 501 | 280 | 332 | 285 | 365 | 10 | 8 |
| 561 | 315 | 366 | 320 | 400 | 10 | 8 |
| 631 | 355 | 405 | 360 | 440 | 10 | 8 |
| 711 | 400 | 448 | 405 | 485 | 10 | 12 |
| 801 | 450 | 497 | 455 | 535 | 10 | 12 |
| 901 | 500 | 551 | 505 | 585 | 10 | 12 |
| 1001 | 560 | 629 | 566 | 666 | 10 | 12 |

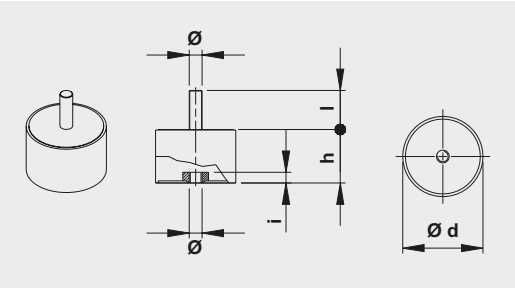
Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 401 | 200x140 | 205 | 146 | 241 | 182 | 275 | 216 | 112 | 12 | 2+2 | 2+2 |
| 451 | 224x160 | 229 | 164 | 265 | 200 | 299 | 234 | 112 | 12 | 2+2 | 2+2 |
| 501 | 250x180 | 256 | 183 | 292 | 219 | 326 | 253 | 112 | 12 | 2+2 | 3+3 |
| 561 | 280x200 | 288 | 205 | 332 | 249 | 368 | 285 | 125 | 12 | 2+2 | 3+3 |
| 631 | 315x224 | 322 | 229 | 366 | 273 | 402 | 309 | 125 | 12 | 2+2 | 3+3 |
| 711 | 355x250 | 361 | 256 | 405 | 300 | 441 | 336 | 125 | 12 | 2+2 | 3+3 |
| 801 | 400x280 | 404 | 288 | 448 | 332 | 484 | 368 | 125 | 12 | 3+3 | 4+4 |
| 901 | 450x315 | 453 | 322 | 497 | 366 | 533 | 402 | 125 | 12 | 3+3 | 4+4 |
| 1001 | 500x355 | 507 | 361 | 551 | 405 | 587 | 441 | 125 | 12 | 3+3 | 4+4 |

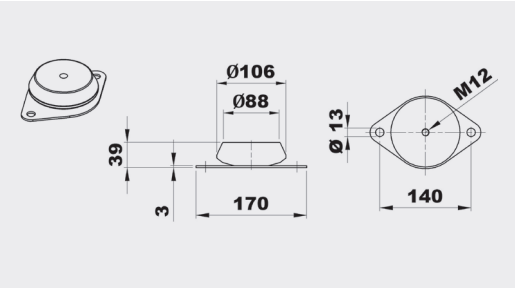
## AMORTIGUADORES

Amortiguadores recomendados

| Ventilador | Ejecución 4 |
|---|---|
| 401 | 4 x AM25 - 25x 20 |
| 451 | 4 x AM25 - 25x 20 |
| 501/2 | 4 x AM30 - 30x 30 |
| 561/2 | 4 x AM40 - 40x 30 |
| 631/2 | 4 x AM50 - 50x 40 |
| 711/2 | 4 x AM75 - 75x 50 |
| 801/2 | 4 x AM75 - 75x 50 |
| 901/2 | 4 x AZ 39 - 140x 39 |
| 1001/2 | 4 x AZ 39 - 140x 39 |

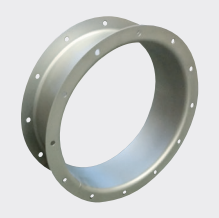



| Tipo | Carga para 4 soportes (kg) | d | h | Ø | l | Peso (kg) |
|---|---|---|---|---|---|---|
| AM 25 | 41÷80 | 25 | 20 | M6 | 18 | 0,03 |
| AM 30 | 81÷140 | 30 | 30 | M8 | 20 | 0,05 |
| AM 40 | 141÷224 | 40 | 30 | M8 | 23 | 0,10 |
| AM 50 | 225÷315 | 50 | 40 | M10 | 28 | 0,20 |
| AM 75 | 316÷630 | 75 | 50 | M12 | 37 | 0,50 |

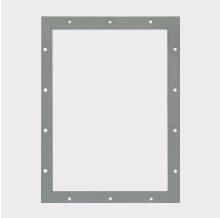



| Tipo | Carga para 4 soportes (kg) | Peso (kg) |
|---|---|---|
| AZ 39 | 631÷1250 | 0,7 |

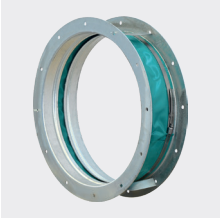
## ACCESORIOS



**CA (CFH1) - CFH2 - CFH3**
Contrabrida - Brida plana circular.



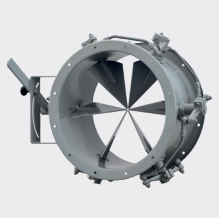
**CP**
Brida plana rectangular.



**GA**
Junta flexible aspiración.



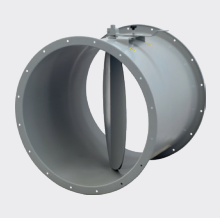
**GP**
Junta flexible descarga.



**DP**
Regulador de caudal de aspiración.



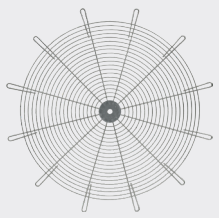
**SAD**
Compuerta de regulación de caudal de descarga.



**SF**
Vávula mariposa.



**DF**
Filtro en la aspiración.



**RC**
Rejilla de protección para la aspiración.



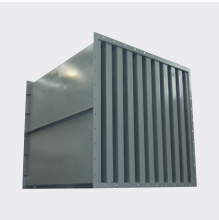
**AM/AZ**
Soportes antivibratorios.



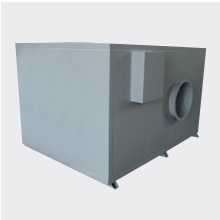
**SCSO**
Silenciador cilíndrico.



**SCCO**
Silenciador cilíndrico con bulbo.



**SASS**
Silenciador rectangular.



**CI**
Cabina de insonorización.

Ver información completa en página **772**.

# FI-N

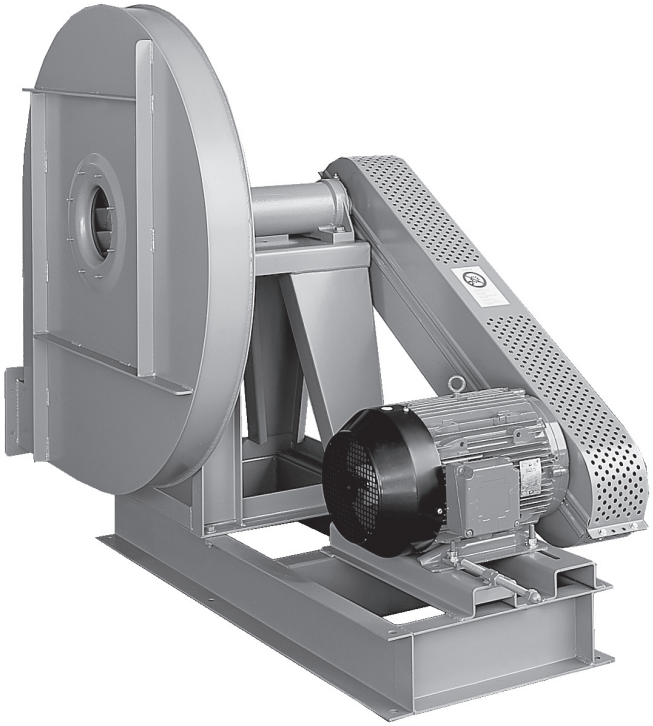
## VENTILADORES CENTRÍFUGOS DE ALTA PRESIÓN

*TRANSMISIÓN*

ErP OK

Silent Kit*

Ventilador centrífugo con accionamiento por poleas y correas y simple aspiración. Fabricados en chapa de acero protegida contra la corrosión mediante tratamiento por cataforesis + pintura poliuretana. Temperaturas del aire a transportar -20ºC/+100ºC en continuo.



APLICACIONES

**Aire a transportar**
Aire limpio

**Cantidad de polvo (mg/m³)**
<50



Rodete de álabes curvados hacia atrás

### Sistemas de montaje

- SISTEMA 1: eje libre, para acoplamiento mediante poleas y correas.
- SISTEMA 9: incluye motor, poleas, correas y protector de correas. Motor montado en el lateral del pie soporte rodamientos.
- SISTEMA 12: incluye motor, poleas, correas y protector de correas. Motor montado sobre la bancada general.

### Motores

De 2, 4 o 6 polos, de alta eficiencia IE 3* (las r.p.m. de cada motor se adaptarán al cálculo de cada transmisión), tensión de alimentación trifásica 230/400V 50Hz hasta tamaño motor 112 y 400/690V 50Hz para motores de mayor dimensión. Protección IP55, Clase F.

* Entre 75 y 200kW, los motores suministrados serán IE4.

### Bajo pedido

- Fabricación en diferentes materiales constructivos.
- Motores de 2 velocidades.
- Versiones de 60 Hz.
- Pintura en diferentes RAL.
- Versión para alta temperatura: hasta 300ºC (versiones B: con rodete de refrigeración).
- Trampilla de inspección, purga de drenaje, distintos tipos de estanqueidad a nivel de voluta y de paso de eje.
- Ventiladores estancos.
- Calorifugado.

### Versiones ATEX

Bajo pedido, versiones antiexplosivas según la Directiva ATEX para modelos trifásicos: Para trabajar a temperaturas de -20ºC a +60ºC, presión ambiente (absoluta) de 0,8 bar hasta 1,1 bar, según EN 14986.

- Gas:
  - Ex 2G IIB T2-T3
  - Ex 2G IIB+H2 T2-T3
  - Ex 3G IIB T2-T3
  - Ex 3G IIB+H2 T2-T3
- Polvo no conductivo:
  - Ex 2D IIIB T195°C-T295°C
  - Ex 3D IIIB T195°C-T295°C
- Polvo conductivo (con motor IP65 IIIC):
  - Ex 2D IIIC T195°C-T295°C
  - Ex 3D IIIC T195°C-T295°C

*Silent Kit opcional.

## CARACTERÍSTICAS TÉCNICAS

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación.

| Modelo | Caudal máximo ($m^3/h$) | Potencia motor máxima (kW) | Peso (kg)[1] | Momento de inercia ($kg \cdot m^2$)[2] |
|---|---|---|---|---|
| FI 501 N1A | 9.130 | 18,5 | 90 | 0,4 |
| FI 561 N1A | 11.420 | 22,0 | 130 | 0,7 |
| FI 631 N1A | 16.230 | 45,0 | 180 | 1,2 |
| FI 711 N1A | 20.960 | 55,0 | 230 | 2,2 |
| FI 801 N1A | 29.670 | 90,0 | 320 | 3,8 |
| FI 901 N1A | 37.460 | 110,0 | 480 | 5,3 |
| FI 1001 N1A | 51.260 | 160,0 | 770 | 12,0 |
| FI 1121 N1A | 64.510 | 200,0 | 830 | 20,0 |
| FI 1251 N1A | 80.360 | 250,0 | 1.140 | 32,0 |
| FI 1401 N1A | 100.400 | 315,0 | 1.247 | 61,0 |
| FI 1601 N1A | 135.000 | 400,0 | 1.660 | 80,0 |
| FI 1801 N1A | 170.100 | 630,0 | 2.220 | 140,0 |
| FI 2001 N1A | 211.970 | 710,0 | 2.915 | 269,0 |

[1] Para ejecución 1 y orientación LG270 o RD270
[2] Momento de inercia del rodete

SOPORTES SISTEMA 1

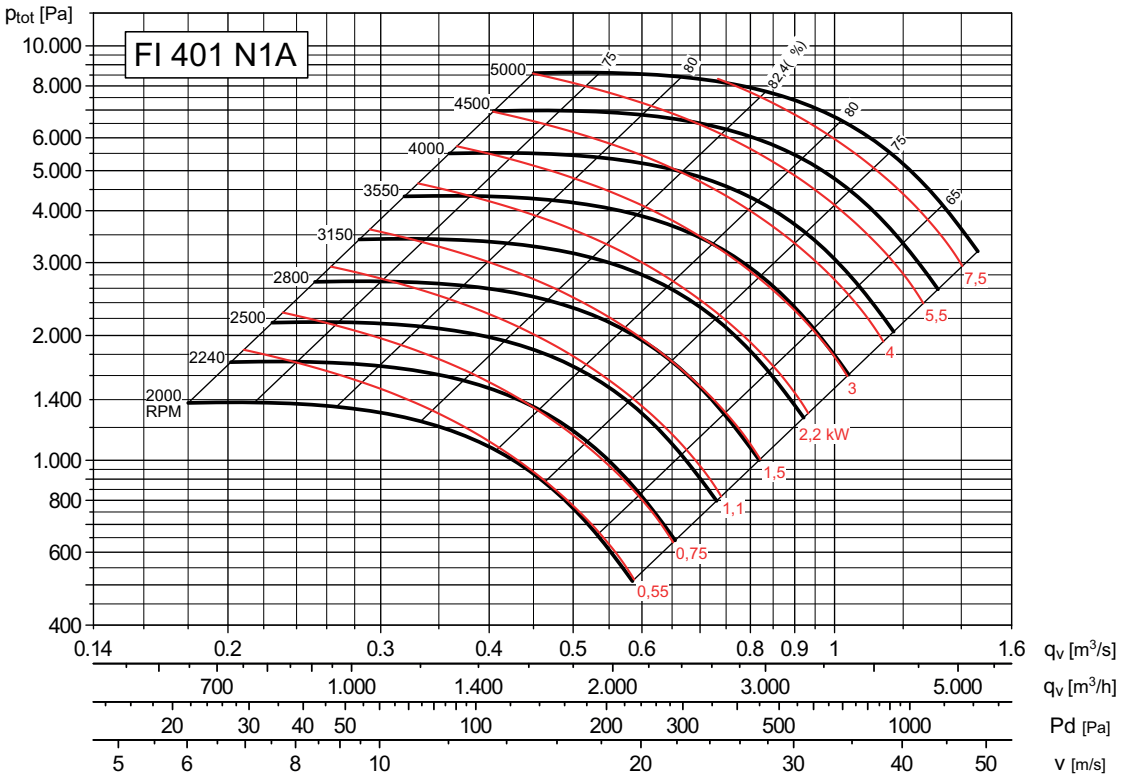
| Modelo | 401 | 451-501 | 561 | 631 | 711 | 801 | 901 | 1001 |
|---|---|---|---|---|---|---|---|---|
| Soporte tipo | ST 80 A28 | ST 90 A38 | ST 100 A42 | ST 110 B48 | ST 120 B48 | ST 130 B55 | ST 150 B65 | ST 180 B80 |

MOTORES SISTEMA 9

| Modelo | 401-501 | 561-631 | 711-801 | 901-1001 |
|---|---|---|---|---|
| Tamaño motor | ≤ 132 M2 | ≤ 160 L2 | ≤ 180 L2-4 | ≤ 200 L2-4 |

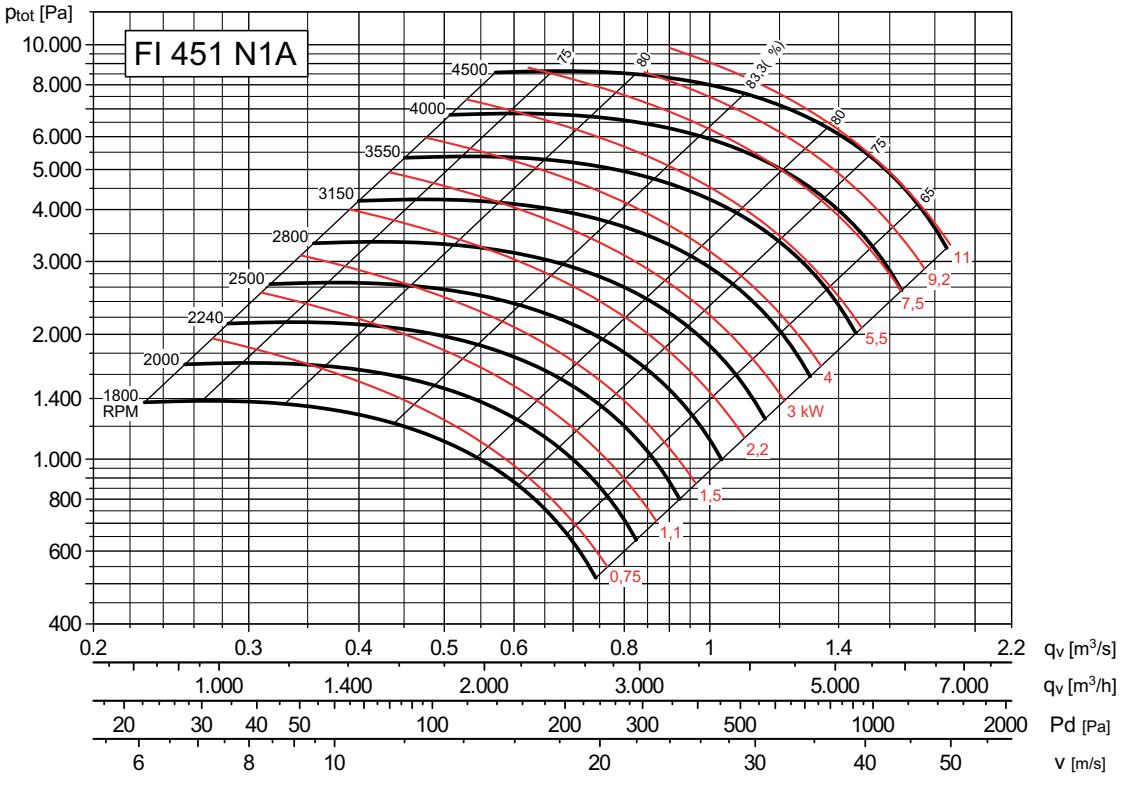
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 4500 rpm
101 ÷ 220°C = 4000 rpm
201 ÷ 300°C = 3350 rpm

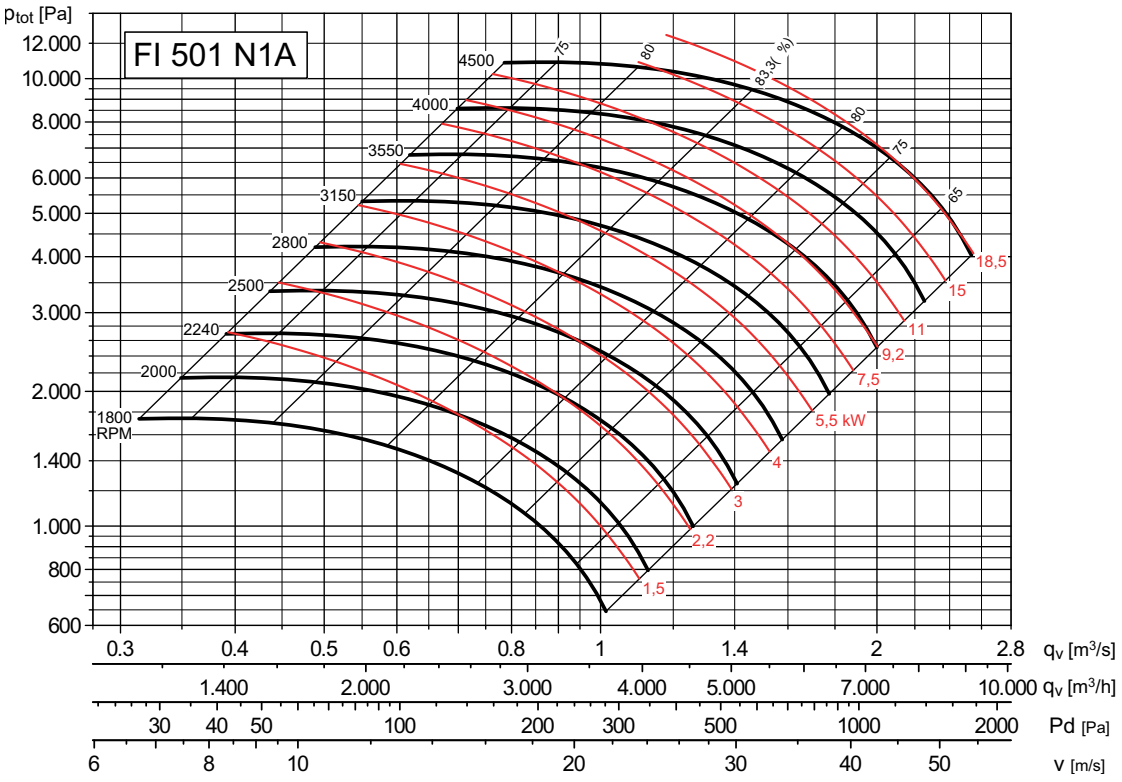



MAX. RPM

≤ 100°C = 4250 rpm
101 ÷ 220°C = 3750 rpm
201 ÷ 300°C = 3350 rpm

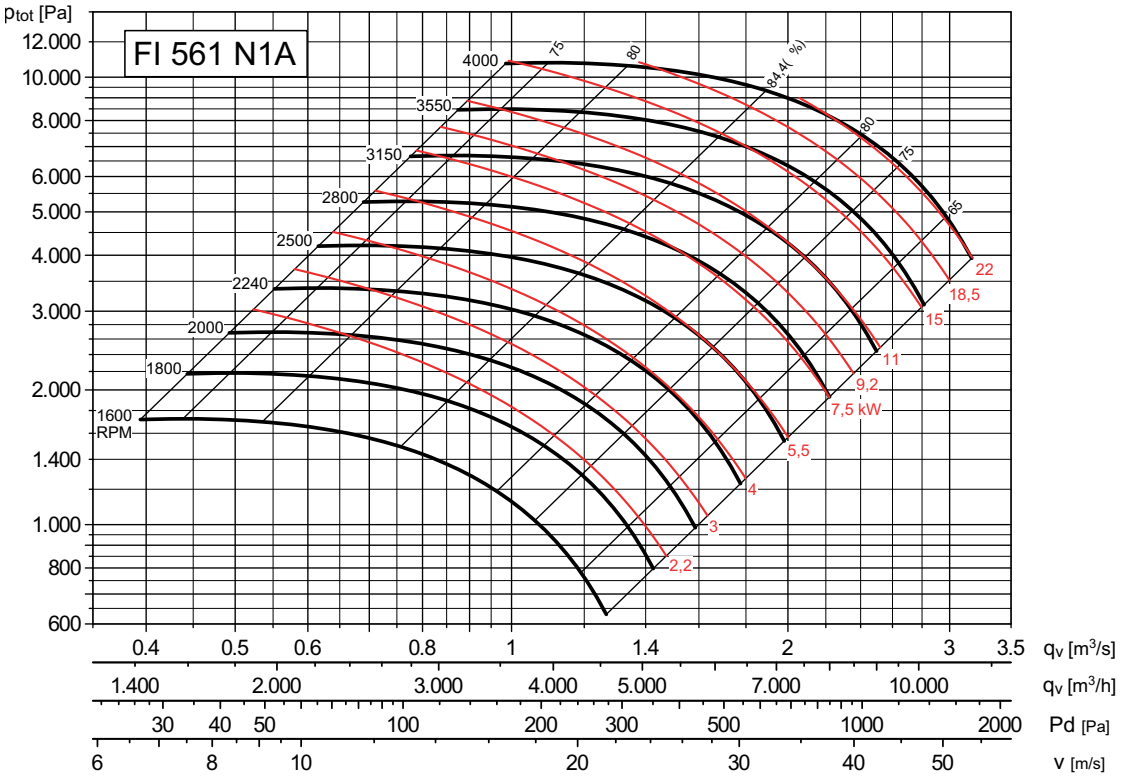
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 4000 rpm
101 ÷ 220°C = 3550 rpm
201 ÷ 300°C = 3150 rpm

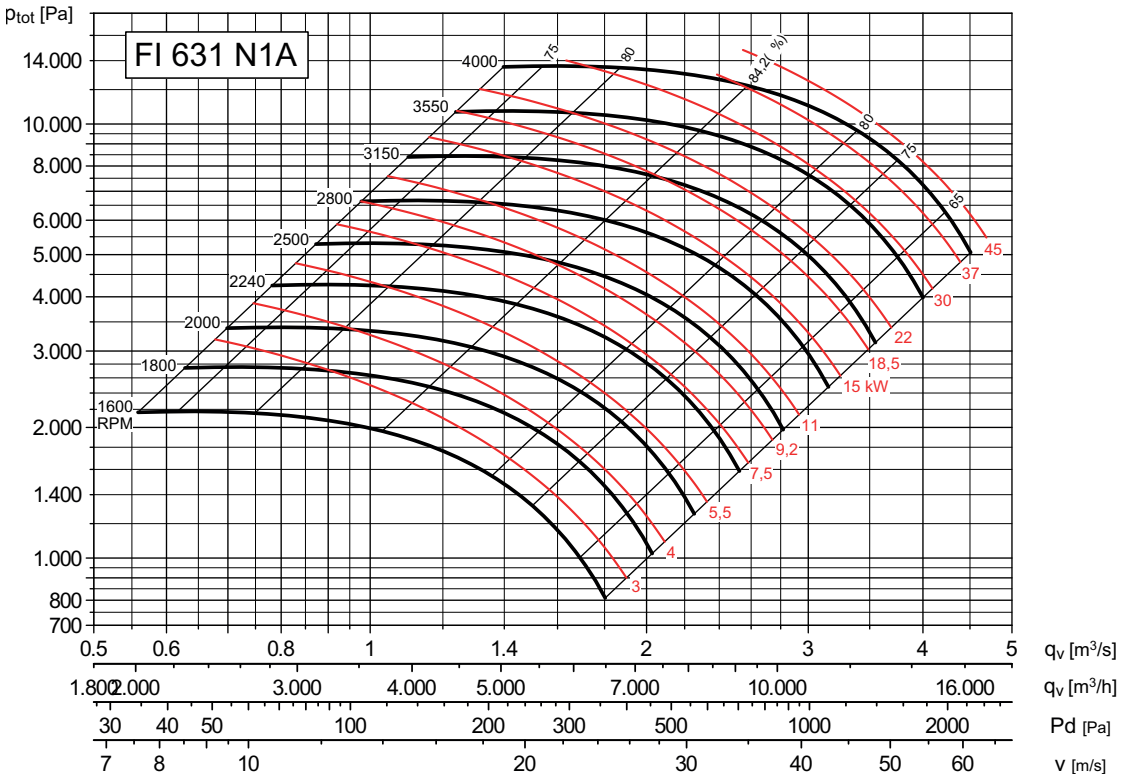



MAX. RPM

≤ 100°C = 3750 rpm
101 ÷ 220°C = 3350 rpm
201 ÷ 300°C = 3000 rpm

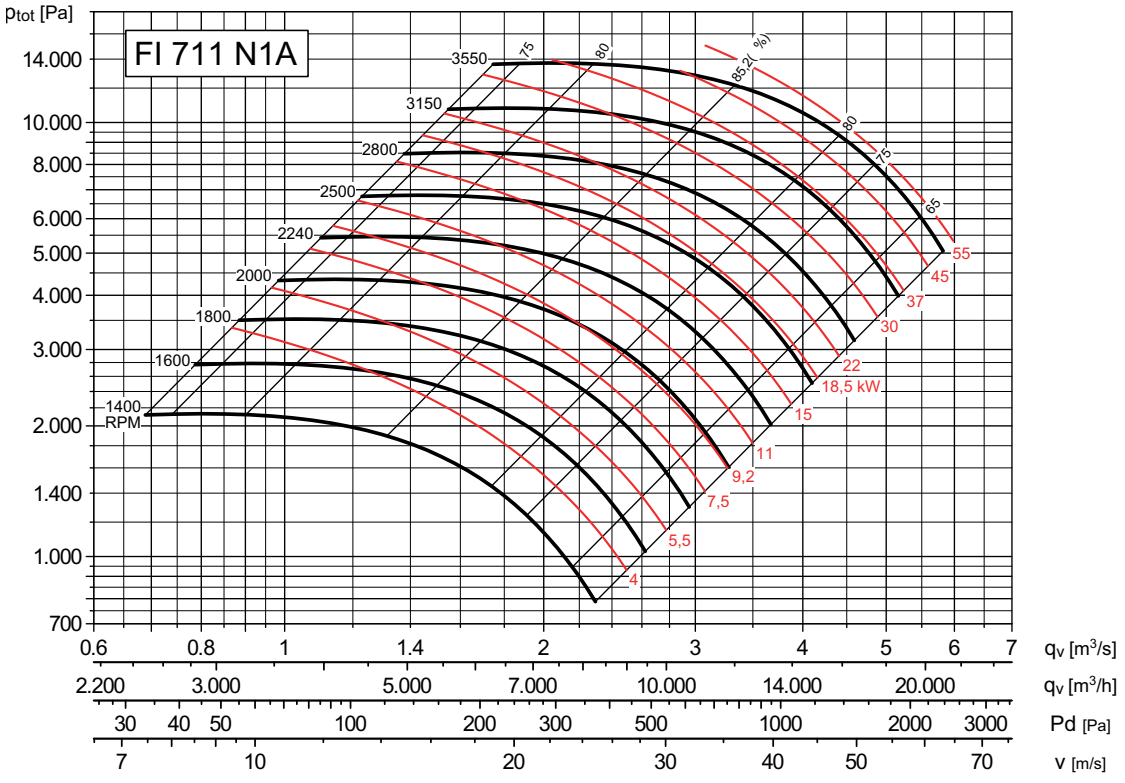
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 3550 rpm
101 ÷ 220°C = 3150 rpm
201 ÷ 300°C = 2800 rpm

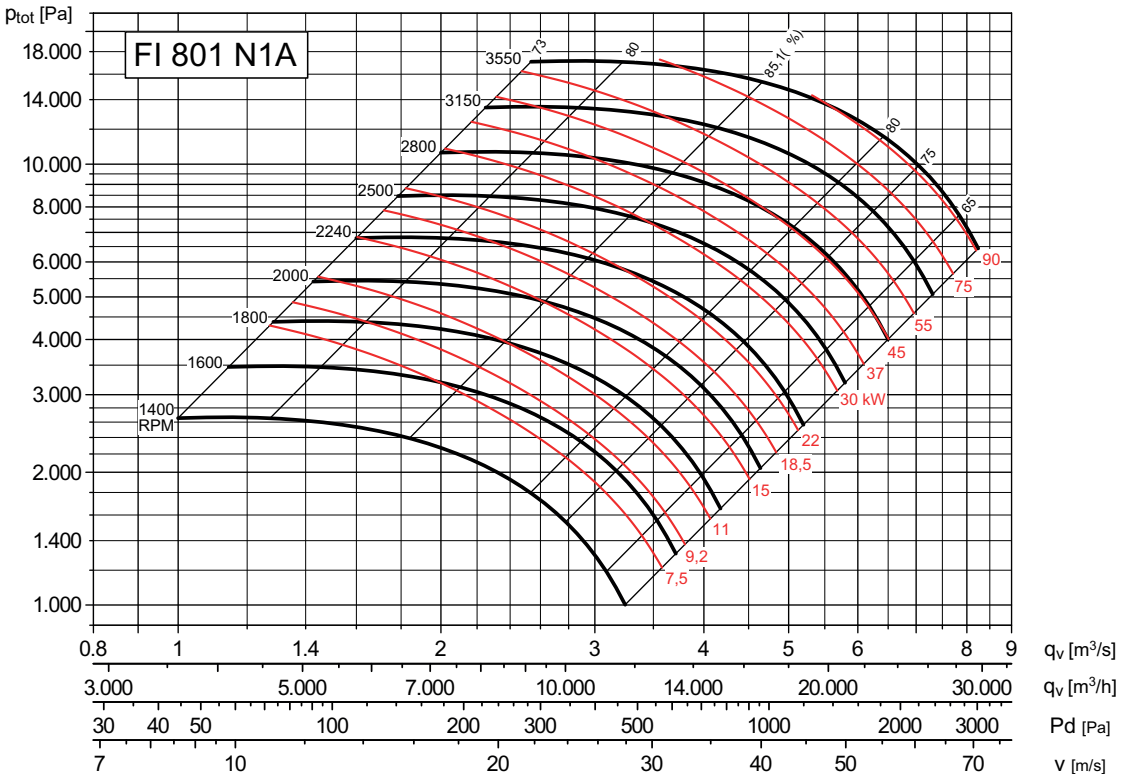



MAX. RPM

≤ 100°C = 3350 rpm
101 ÷ 220°C = 3000 rpm
201 ÷ 300°C = 2650 rpm

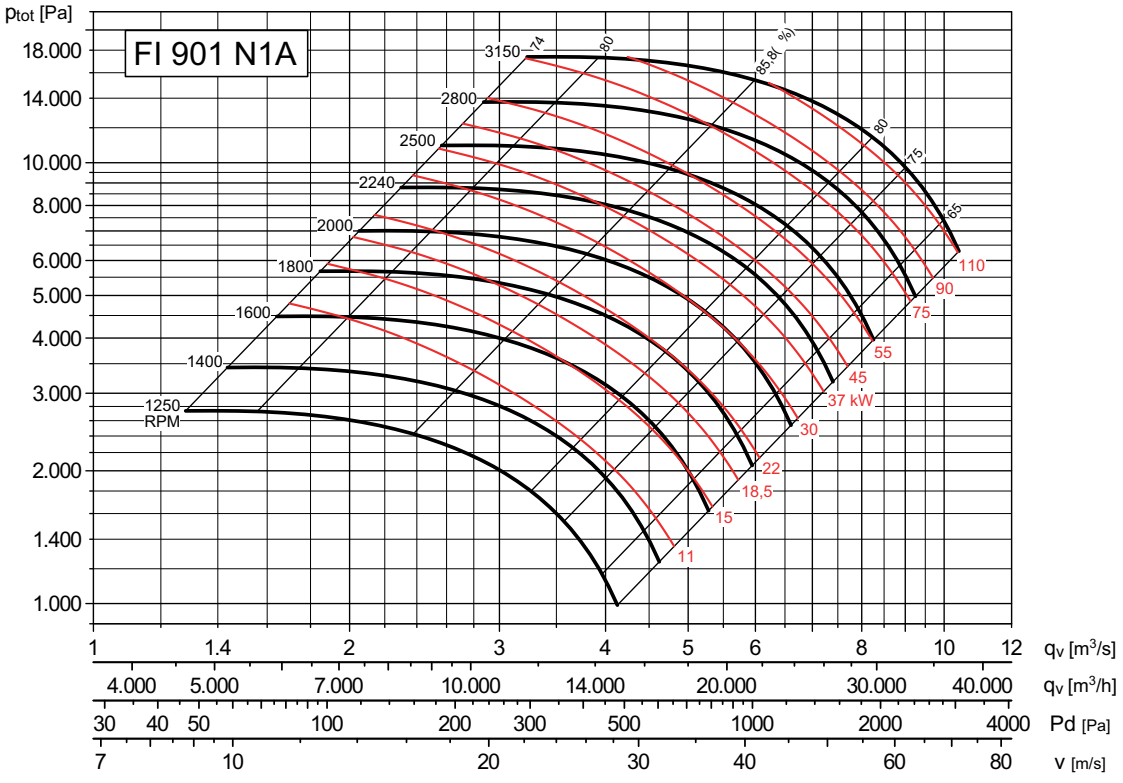
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 3150 rpm
101 ÷ 220°C = 2800 rpm
201 ÷ 300°C = 2500 rpm

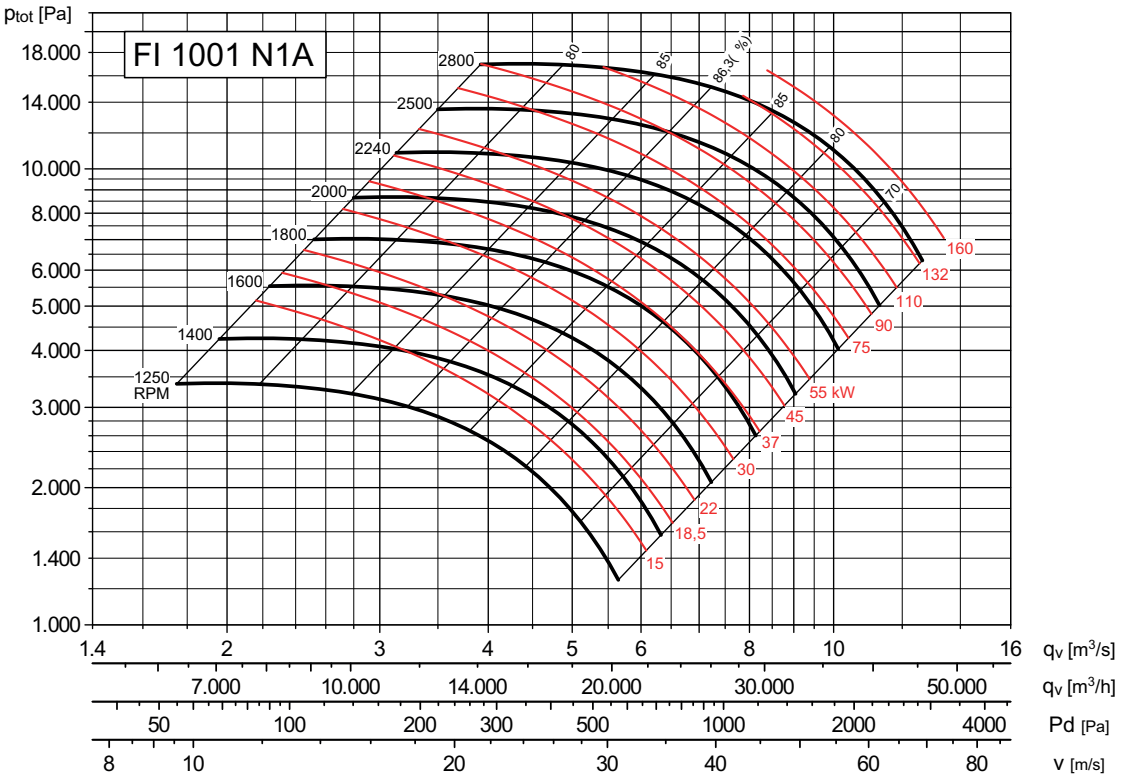



MAX. RPM

≤ 100°C = 3000 rpm
101 ÷ 220°C = 2650 rpm
201 ÷ 300°C = 2360 rpm

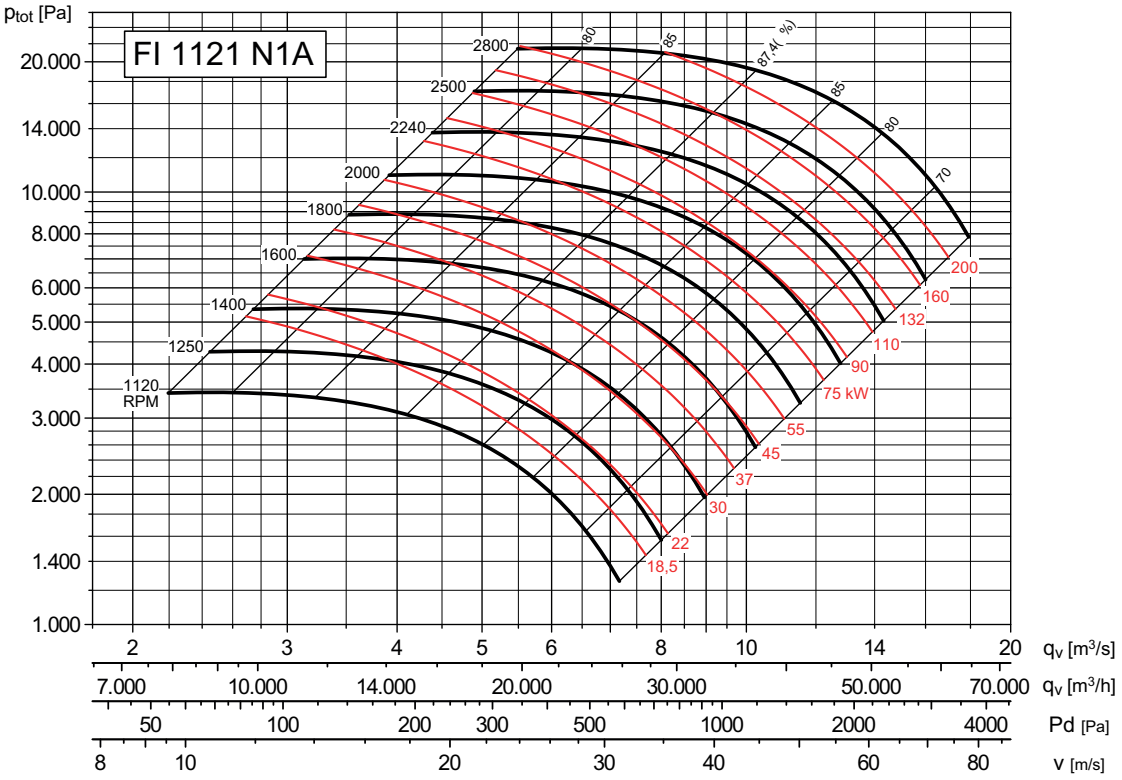
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 2800 rpm
101 ÷ 220°C = 2500 rpm
201 ÷ 300°C = 2240 rpm

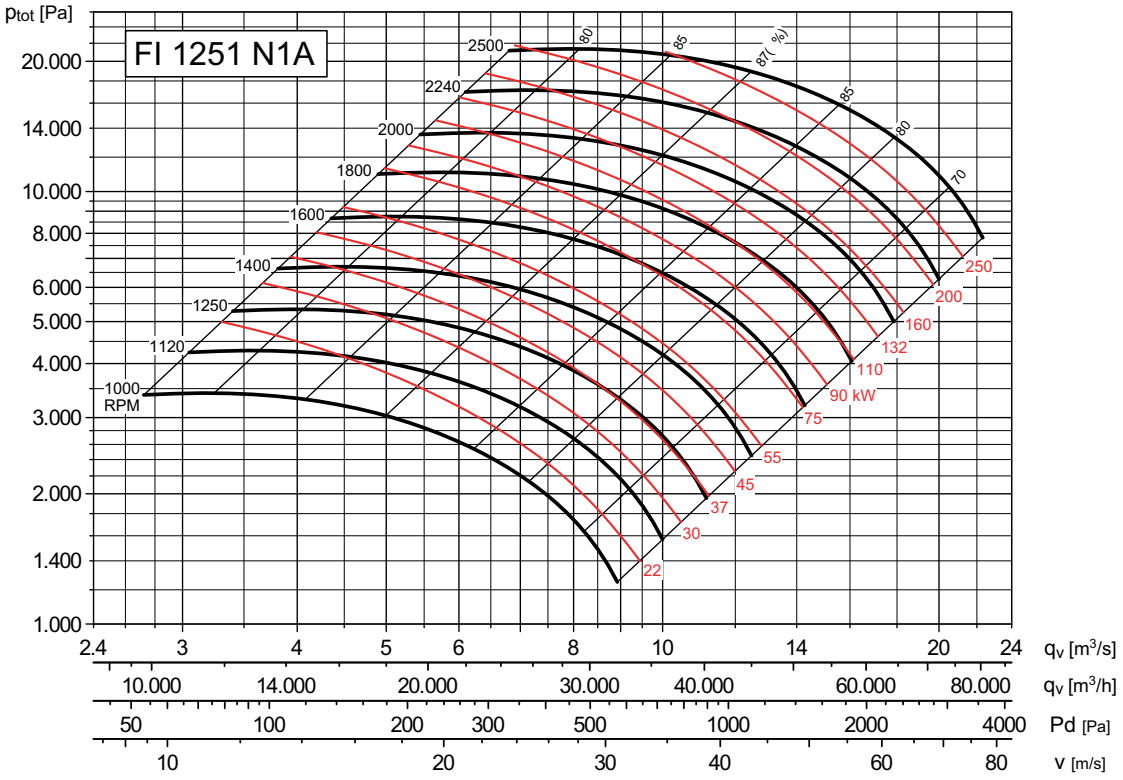



MAX. RPM

≤ 100°C = 2500 rpm
101 ÷ 220°C = 2240 rpm
201 ÷ 300°C = 2000 rpm

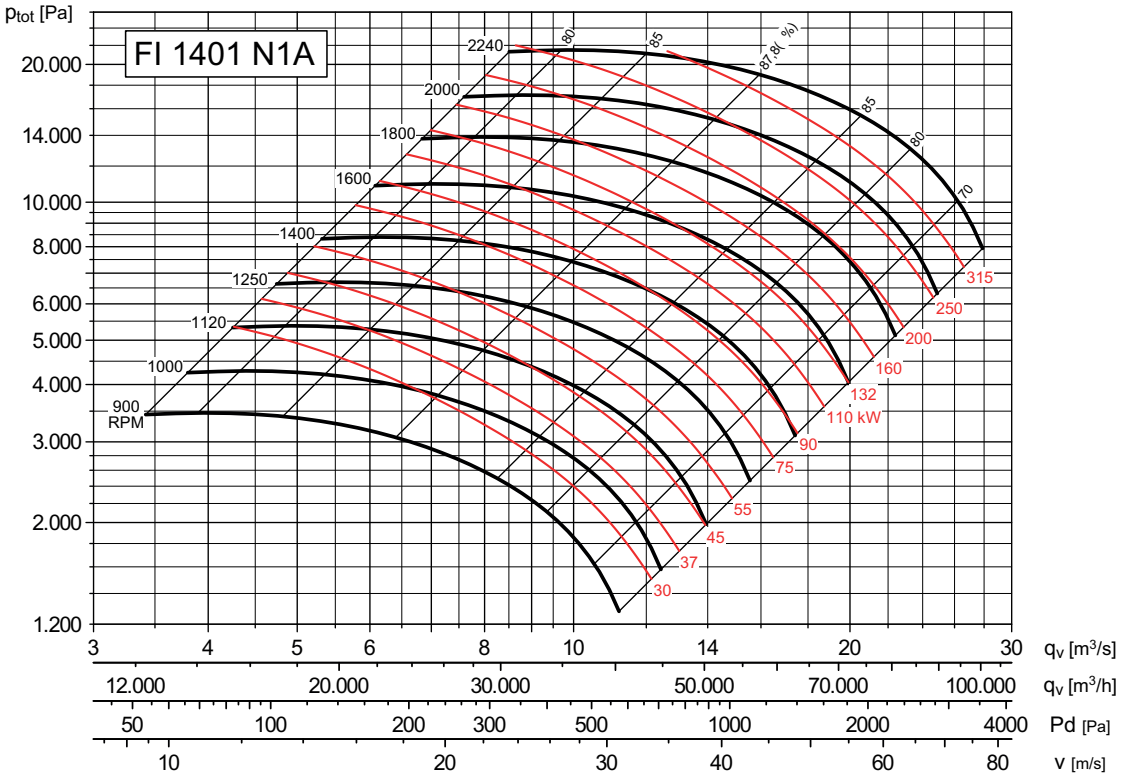
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 2240 rpm
101 ÷ 220°C = 2000 rpm
201 ÷ 300°C = 1800 rpm

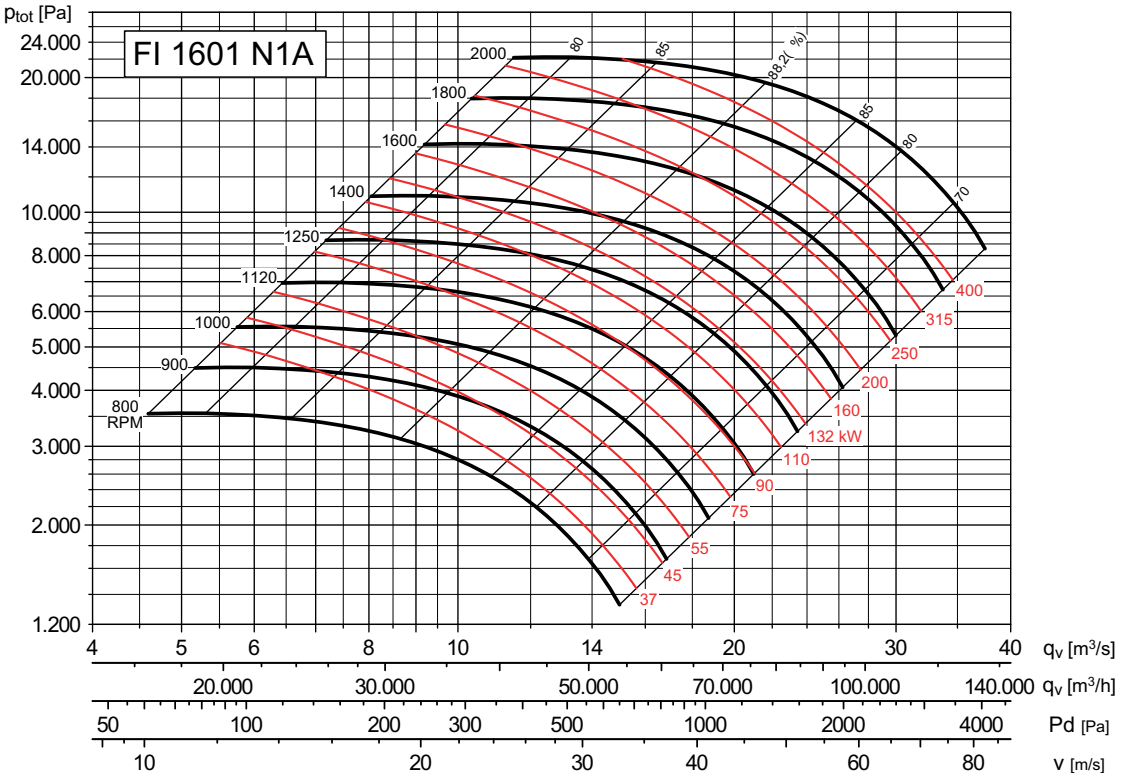



MAX. RPM

≤ 100°C = 2000 rpm
101 ÷ 220°C = 1800 rpm
201 ÷ 300°C = 1600 rpm

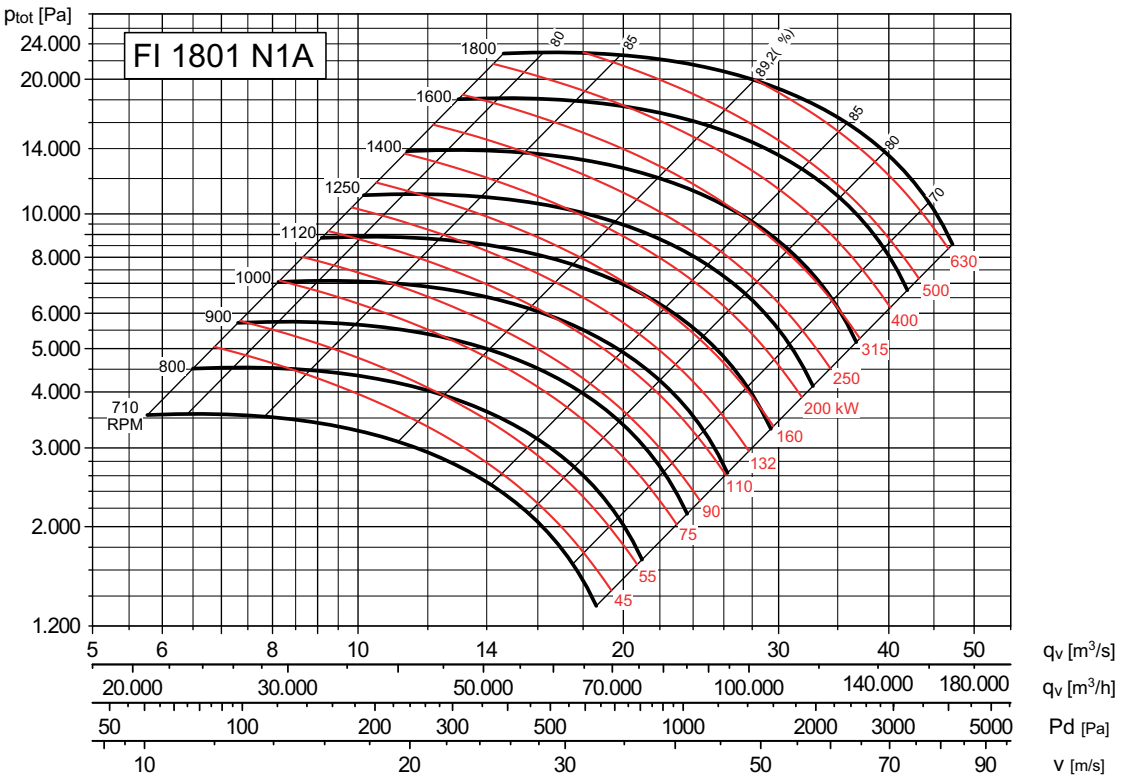
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 1800 rpm
101 ÷ 220°C = 1600 rpm
201 ÷ 300°C = 1400 rpm

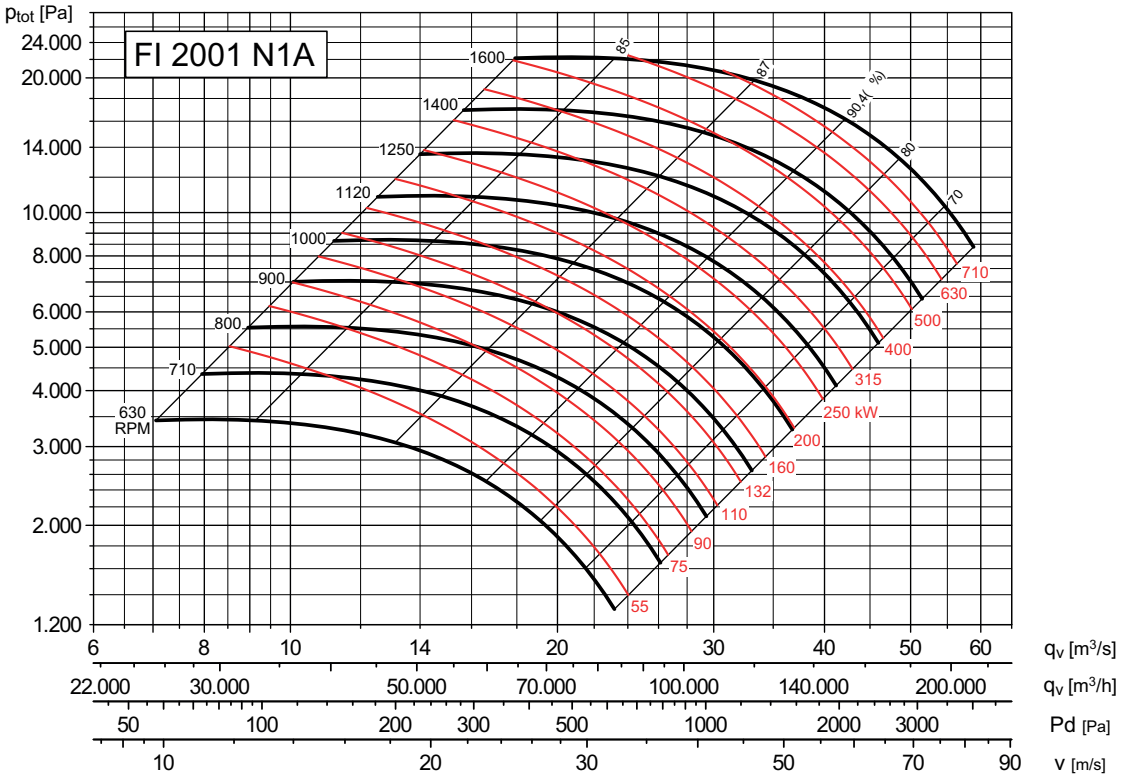



MAX. RPM

≤ 100°C = 1600 rpm
101 ÷ 220°C = 1400 rpm
201 ÷ 300°C = 1250 rpm

## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**

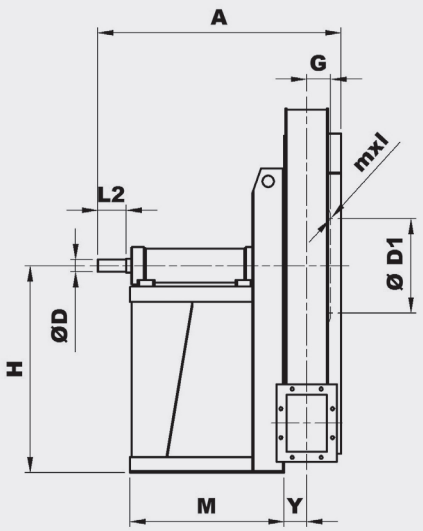


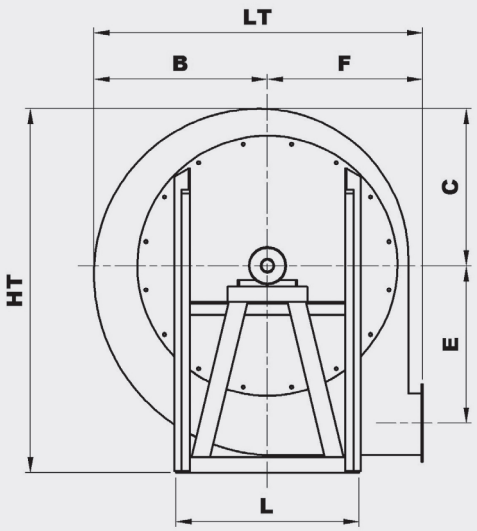

MAX. RPM

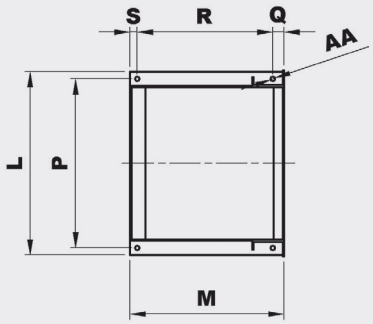
≤ 100°C = 1400 rpm
101 ÷ 220°C = 1250 rpm
201 ÷ 300°C = 1120 rpm

## DIMENSIONES (mm)

Modelos desde 451 hasta 1001



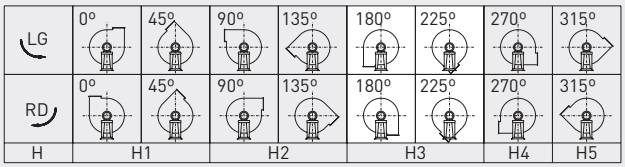






DESCARGA ORIENTABLE

EJECUCIÓN B
Con rodete de refrigeración, contactar con oficina técnica.

ORIENTACIONES

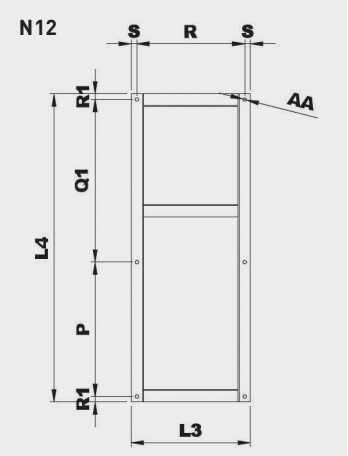



Para estas orientaciones, contactar con oficina técnica

| Modelo | | | | | | | | H | | | | | HT | mxl | Y | LT | Eje | | Base | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | ØD1 | E | F | G | H1 | H2 | H3 | H4 | H5 | | | | | L2 | ØD | L | P | M | Q | R | S | ØAA |
| FI 401 N1A | 720 | 310 | 280 | 265 | 217 | 280 | 83 | 375 | 375 | 280 | 375 | 375 | 655 | M6x20 | 77 | 590 | 60 | 28 | 400 | 355 | 463 | 23 | 417 | 23 | 14 |
| FI 451 N1A | 765 | 345 | 315 | 292 | 242 | 300 | 92 | 400 | 400 | 300 | 400 | 400 | 715 | M8x25 | 86 | 645 | 80 | 38 | 400 | 355 | 458 | 23 | 412 | 23 | 14 |
| FI 501 N1A | 780 | 380 | 350 | 332 | 272 | 335 | 101 | 450 | 450 | 335 | 450 | 450 | 800 | M8x25 | 97 | 715 | 80 | 38 | 400 | 355 | 463 | 23 | 417 | 23 | 14 |
| FI 561 N1A | 930 | 430 | 390 | 366 | 308 | 375 | 115 | 500 | 500 | 375 | 500 | 500 | 890 | M8x25 | 107 | 805 | 110 | 42 | 418 | 364 | 552 | 48 | 476 | 28 | 17 |
| FI 631 N1A | 945 | 485 | 440 | 405 | 348 | 425 | 127 | 560 | 560 | 425 | 560 | 560 | 1000 | M8x25 | 120 | 910 | 110 | 48 | 418 | 364 | 535 | 28 | 479 | 28 | 17 |
| FI 711 N1A | 1035 | 540 | 490 | 448 | 389 | 475 | 140 | 530 | 530 | 475 | 630 | 630 | 1120 | M8x25 | 133 | 1015 | 110 | 48 | 606 | 542 | 605 | 33 | 539 | 33 | 19 |
| FI 801 N1A | 1080 | 610 | 550 | 497 | 440 | 530 | 161 | 600 | 600 | 530 | 710 | 710 | 1260 | M8x25 | 150 | 1140 | 110 | 55 | 646 | 582 | 614 | 33 | 548 | 33 | 19 |
| FI 901 N1A | 1220 | 685 | 620 | 551 | 496 | 600 | 177 | 670 | 670 | 600 | 800 | 800 | 1420 | M8x25 | 168 | 1285 | 140 | 65 | 762 | 682 | 650 | 39 | 572 | 39 | 21 |
| FI 1001 N1A | 1365 | 760 | 690 | 629 | 556 | 670 | 252 | 750 | 750 | 670 | 900 | 900 | 1590 | M8x25 | 188 | 1430 | 170 | 80 | 862 | 782 | 710 | 39 | 632 | 39 | 21 |

## DIMENSIONES (mm)

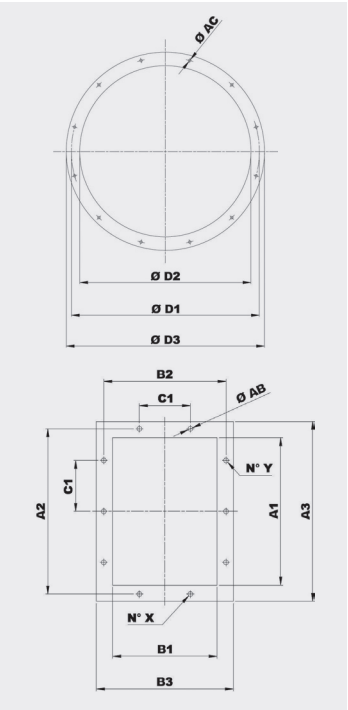
Modelos desde 451 hasta 1001




Bancada ejecución 12

| Modelo | P | L3 | L4 | Q1 | R | R1 | S | ØAA | Peso (kg) |
|---|---|---|---|---|---|---|---|---|---|
| 401 N12A | 355 | 463 | 1050 | 651 | 417 | 22 | 23 | 14 | 23 |
| 451 N12A | 355 | 458 | 1060 | 661 | 412 | 22 | 23 | 14 | 33 |
| 501 N12A | 355 | 463 | 1120 | 720 | 417 | 22,5 | 23 | 14 | 35 |
| 561 N12A | 364 | 532 | 1180 | 762 | 476 | 27 | 28 | 17 | 40 |
| 631 N12A | 364 | 535 | 1250 | 832 | 479 | 27 | 28 | 17 | 45 |
| 711 N12A | 542 | 605 | 1500* | 894* | 539 | 32 | 33 | 19 | 60 |
| 801 N12A | 582 | 614 | 1600 | 954 | 548 | 32 | 33 | 19 | 70 |
| 901 N12A | 682 | 650 | 1800 | 1038 | 572 | 40 | 39 | 21 | 100 |
| 1001 N12A | 782 | 710 | 2100 | 1238 | 632 | 40 | 39 | 21 | 154 |

* Para motores de talla 250, esta cota aumenta en 100 mm




Brida aspiración

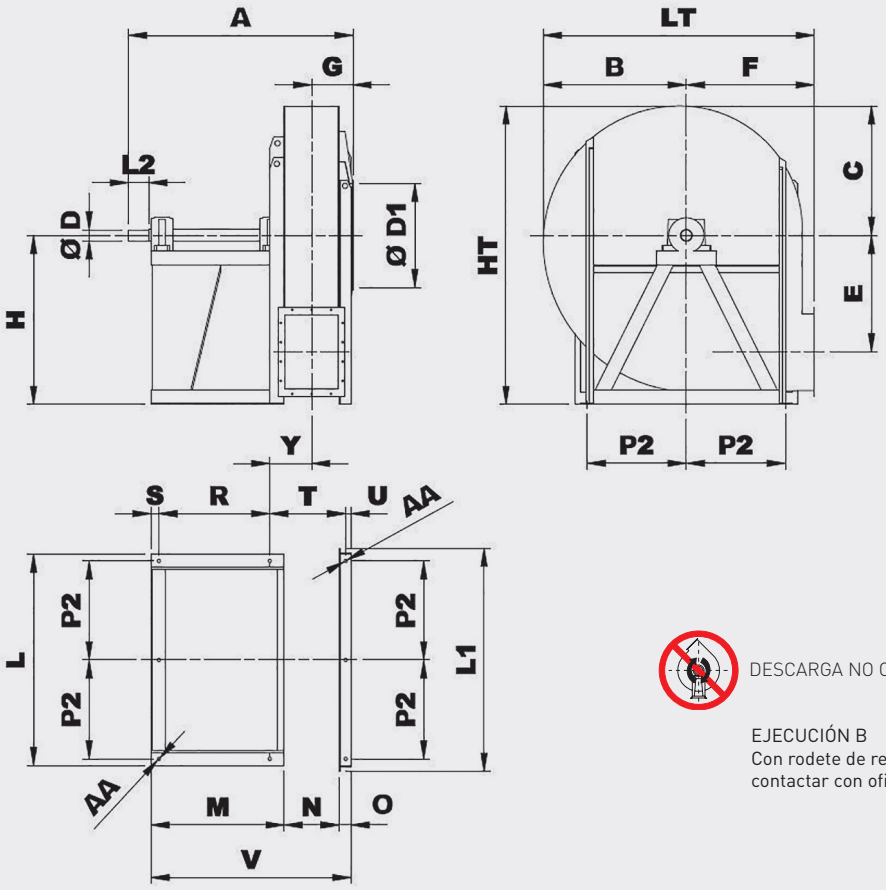
| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 401 | 224 | 265 | 228 | 298 | 8 | 8 |
| 451 | 250 | 292 | 254 | 324 | 10 | 8 |
| 501 | 280 | 332 | 285 | 365 | 10 | 8 |
| 561 | 315 | 366 | 320 | 400 | 10 | 8 |
| 631 | 355 | 405 | 360 | 440 | 10 | 8 |
| 711 | 400 | 448 | 405 | 485 | 10 | 12 |
| 801 | 450 | 497 | 455 | 535 | 10 | 12 |
| 901 | 500 | 551 | 505 | 585 | 10 | 12 |
| 1001 | 560 | 629 | 566 | 666 | 10 | 12 |

Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 401 | 200x140 | 205 | 146 | 241 | 182 | 275 | 216 | 112 | 12 | 2+2 | 2+2 |
| 451 | 224x160 | 229 | 164 | 265 | 200 | 299 | 234 | 112 | 12 | 2+2 | 2+2 |
| 501 | 250x180 | 256 | 183 | 292 | 219 | 326 | 253 | 112 | 12 | 2+2 | 3+3 |
| 561 | 280x200 | 288 | 205 | 332 | 249 | 368 | 285 | 125 | 12 | 2+2 | 3+3 |
| 631 | 315x224 | 322 | 229 | 366 | 273 | 402 | 309 | 125 | 12 | 2+2 | 3+3 |
| 711 | 355x250 | 361 | 256 | 405 | 300 | 441 | 336 | 125 | 12 | 2+2 | 3+3 |
| 801 | 400x280 | 404 | 288 | 448 | 332 | 484 | 368 | 125 | 12 | 3+3 | 4+4 |
| 901 | 450x315 | 453 | 322 | 497 | 366 | 533 | 402 | 125 | 12 | 3+3 | 4+4 |
| 1001 | 500x355 | 507 | 361 | 551 | 405 | 587 | 441 | 125 | 12 | 3+3 | 4+4 |

## DIMENSIONES (mm)

Modelos desde 1121 hasta 2001




DESCARGA NO ORIENTABLE

EJECUCIÓN B
Con rodete de refrigeración, contactar con oficina técnica.

ORIENTACIONES

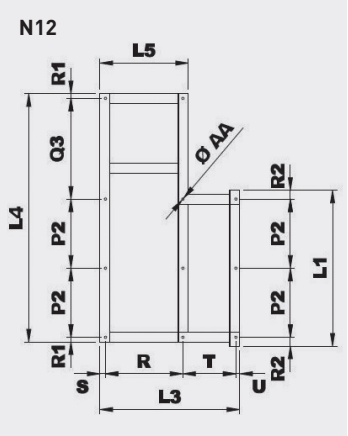
| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LG | 0º | 45º | 90º | 135º | 180º | 225º | 270º | 315º |
| RD | 0º | 45º | 90º | 135º | 180º | 225º | 270º | 315º |
| H | H1 | | H2 | | H3 | | H4 | H5 |

Para estas orientaciones, contactar con oficina técnica

| Modelo | | | | | | | | | | | | | | | Eje | | Base | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | ØD1 | E | F | G | H | | | | | HT | LT | ØD | L2 | L | L1 | M | N | O | P2 | R | S | T | U | V | Y | ØAA |
| | | | | | | | | H1 | H2 | H3 | H4 | H5 | | | | | | | | | | | | | | | | | |
| FI 1121 N1A | 1420 | 840 | 770 | 698 | 626 | 760 | 282 | 850 | 850 | 750 | 1000 | 1000 | 1170 | 1600 | 80 | 170 | 1268 | 1348 | 710 | 404 | 80 | 589 | 600 | 55 | 710 | 35 | 1194 | 257 | 24 |
| FI 1251 N1A | 1647 | 860 | 866 | 775 | 706 | 946 | 317 | 950 | 950 | 850 | 1120 | 1120 | 1985 | 1806 | 80 | 170 | 1400 | 1480 | 800 | 453 | 80 | 655 | 710 | 45 | 543 | 35 | 1333 | 272 | 24 |
| FI 1401 N1A | 1732 | 1060 | 970 | 861 | 790 | 960 | 354 | 1060 | 950 | 1250 | 1250 | 1250 | 2220 | 2020 | 80 | 170 | 1560 | 1640 | 935 | 507 | 80 | 725 | 780 | 55 | 652 | 35 | 1522 | 354 | 24 |
| FI 1601 N1A | 1984 | 1254 | 1082 | 958 | 884 | 1060 | 400 | 1200 | 1120 | 1060 | 1400 | 1400 | 2482 | 2314 | 90 | 170 | 1750 | 1850 | 1102 | 569 | 100 | 820 | 917 | 65 | 744 | 45 | 1771 | 405 | 28 |
| FI 1801 N1A | 2098 | 1406 | 1217 | 1067 | 999 | 1180 | 327 | 1330 | 1250 | 1180 | 1550 | 1400 | 2767 | 2586 | 100 | 210 | 1940 | 2070 | 1102 | 638 | 120 | 915 | 917 | 65 | 823 | 55 | 1860 | 439 | 28 |
| FI 2001 N1A | 2175 | 1558 | 2955 | 1200 | 1112 | 1320 | 366 | 1500 | 1400 | 1320 | 1800 | 1600 | 3153 | 2878 | 100 | 210 | 2150 | 2270 | 1102 | 715 | 120 | 1015 | 917 | 65 | 900 | 55 | 1937 | 478 | 28 |

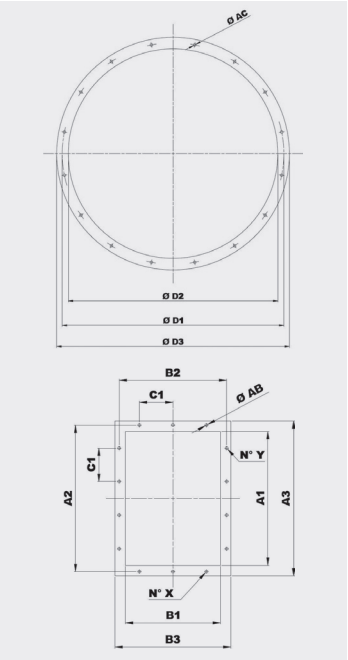
## DIMENSIONES (mm)

Modelos desde 1121 hasta 2001




Bancada ejecución 12

| Modelo | P2 | L1 | L3 | L4 | L5 | Q3 | R | R1 | R2 | S | T | U | ØAA | Peso (kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1121 N12A | 589 | 1348 | 1194 | 2334 | 710 | 1066 | 600 | 45 | 85 | 55 | 504 | 35 | 24 | 230 |
| 1251 N12A | 655 | 1480 | 1333 | 2630 | 800 | 1230 | 710 | 45 | 85 | 45 | 710 | 35 | 24 | 252 |
| 1401 N12A | 725 | 1640 | 1522 | 2800 | 890 | 1240 | 780 | 55 | 95 | 55 | 652 | 35 | 24 | 285 |
| 1601 N12A | 820 | 1850 | 1771 | 2945 | 1047 | 1195 | 917 | 55 | 105 | 65 | 744 | 45 | 28 | 335 |
| 1801 N12A | 915 | 2070 | 1860 | 3245 | 1047 | 1295 | 917 | 60 | 120 | 65 | 823 | 55 | 28 | 385 |
| 2001 N12A | 1015 | 2270 | 1937 | 3500 | 1047 | 1350 | 917 | 60 | 120 | 65 | 900 | 55 | 28 | 430 |




Brida aspiración

| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 1121 | 630 | 698 | 636 | 736 | 10 | 12 |
| 1251 | 710 | 775 | 716 | 816 | 12 | 16 |
| 1401 | 800 | 861 | 806 | 906 | 12 | 16 |
| 1601 | 900 | 958 | 906 | 1006 | 12 | 16 |
| 1801 | 1000 | 1067 | 1007 | 1107 | 12 | 24 |
| 2001 | 1120 | 1200 | 1128 | 1248 | 12 | 24 |

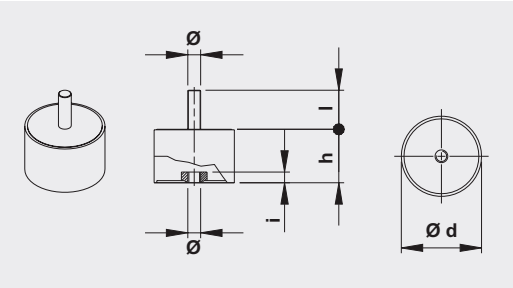
Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1121 | 560x400 | 569 | 404 | 629 | 464 | 669 | 504 | 160 | 14 | 4+4 | 3+3 |
| 1251 | 630x450 | 638 | 453 | 698 | 513 | 738 | 553 | 160 | 14 | 4+4 | 3+3 |
| 1401 | 710x500 | 715 | 507 | 775 | 567 | 815 | 607 | 160 | 14 | 5+5 | 3+3 |
| 1601 | 800x560 | 801 | 569 | 871 | 639 | 921 | 689 | 200 | 14 | 4+4 | 3+3 |
| 1801 | 900x630 | 898 | 638 | 968 | 708 | 1018 | 758 | 200 | 14 | 4+4 | 5+5 |
| 2001 | 1000x710 | 1007 | 715 | 1077 | 785 | 1127 | 835 | 200 | 14 | 4+4 | 5+5 |

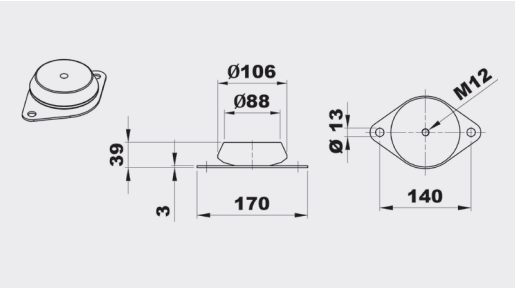
## AMORTIGUADORES

Amortiguadores recomendados

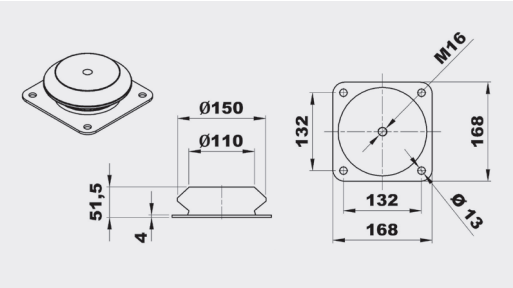
| Ventilador | Ejecución 9 | Ejecución 12 |
|---|---|---|
| 401 | 4 x AM 30 - 30x30 | 4 x AM 40 - 40x30 |
| 451 | 4 x AM 30 - 30x30 | 4 x AM 40 - 40x30 |
| 501/2 | 4 x AM 40 - 40x30 | 4 x AM 50 - 50x40 |
| 561/2 | 4 x AM 50 - 50x40 | 4 x AM 50 - 50x40 |
| 631/2 | 4 x AM 75 - 75x50 | 4 x AM 75 - 75x50 |
| 711/2 | 4 x AM 75 - 75x50 | 4 x AM 75 - 75x50 |
| 801/2 | 4 x AM 75 - 75x50 | 4 x AZ 39 - 140x39 |
| 901/2 | 4 x AZ 39 - 140x39 | 4 x AZ 39 - 140x39 |
| 1001/2 | 4 x AZ 39 - 140x39 | 6 x AZ 39 - 140x39 |
| 1121/2 | 6 x AZ 39 - 140x39 | 6 x AZ 51 - 132x51 |
| 1251 | 6 x AZ 63 - 150x63 | 6 x AZ 51 - 132x51 |
| 1401 | - | 6 x AZ 51 - 132x51 |
| 1601 | - | 6 x AZ 63 - 150x63 |
| 1801 | - | 6 x AZ 63 - 150x63 |
| 2001 | - | 6 x AZ 63 - 150x63 |



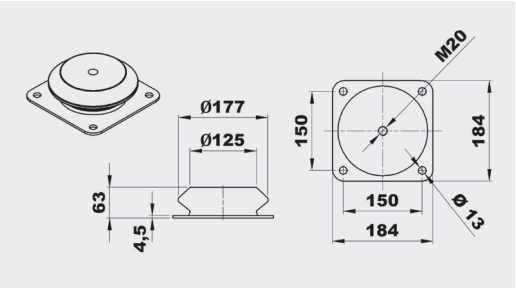

| Tipo | Carga para 4 soportes (kg) | d | h | Ø | l | Peso (kg) |
|---|---|---|---|---|---|---|
| AM 30 | 81÷140 | 30 | 30 | M8 | 20 | 0,05 |
| AM 40 | 141÷224 | 40 | 30 | M8 | 23 | 0,10 |
| AM 50 | 225÷315 | 50 | 40 | M10 | 28 | 0,20 |
| AM 75 | 316÷630 | 75 | 50 | M12 | 37 | 0,50 |




| Tipo | Carga para 4 soportes (kg) | Peso (kg) |
|---|---|---|
| AZ 39 | 631÷1250 | 0,7 |

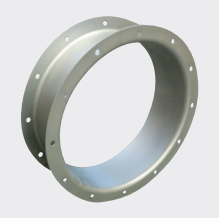



| Tipo | Carga para 4 soportes (kg) | Peso (kg) |
|---|---|---|
| AZ 51 | 1251÷2500 | 1,8 |

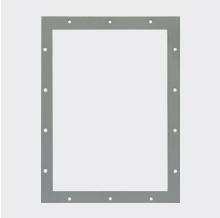



| Tipo | Carga para 4 soportes (kg) | Peso (kg) |
|---|---|---|
| AZ 63 | 2501÷5000 | 2,5 |

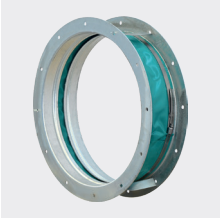
## ACCESORIOS



**CA (CFH1) - CFH2 - CFH3**
Contrabrida - Brida plana circular.



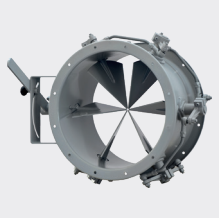
**CP**
Brida plana rectangular.



**GA**
Junta flexible aspiración.



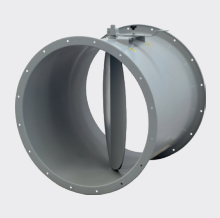
**GP**
Junta flexible descarga.



**DP**
Regulador de caudal de aspiración.



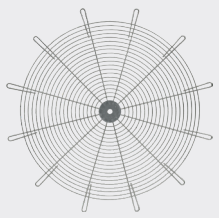
**SAD**
Compuerta de regulación de caudal de descarga.



**SF**
Vávula mariposa.



**DF**
Filtro en la aspiración.



**RC**
Rejilla de protección para la aspiración.



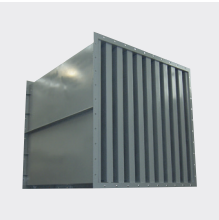
**AM/AZ**
Soportes antivibratorios.



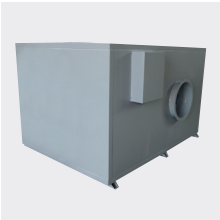
**SCSO**
Silenciador cilíndrico.



**SCCO**
Silenciador cilíndrico con bulbo.



**SASS**
Silenciador rectangular.



**CI**
Cabina de insonorización.

Ver información completa en página **772**.

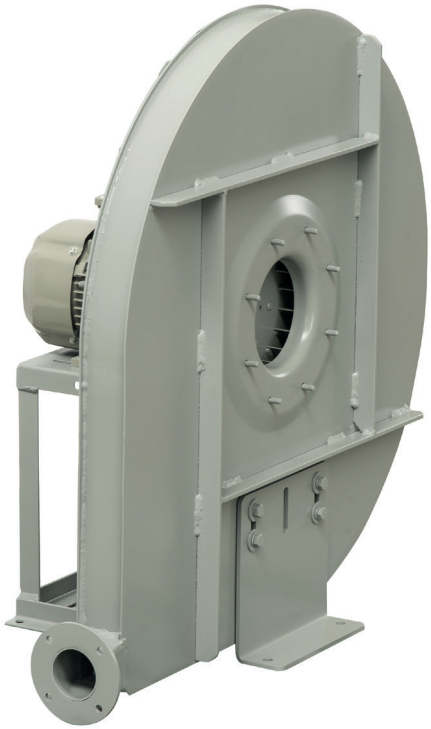
# FA-R

## VENTILADORES CENTRÍFUGOS DE ALTA PRESIÓN

*ACOPLAMIENTO DIRECTO*



Ventilador centrífugo de acoplamiento directo y simple aspiración. Fabricados en chapa de acero protegida contra la corrosión mediante tratamiento por cataforesis + pintura poliuretana. Temperaturas del aire a transportar -20ºC/+100ºC en continuo.



APLICACIONES

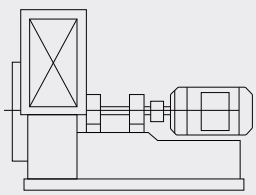
**Aire a transportar**
Aire polvoriento

**Cantidad de polvo (mg/m³)**
<5000



Rodete de álabes radiales

**SISTEMA 8:** acoplamiento mediante junta elástica.



Disponible bajo pedido

**Motores**
De 2 polos, de alta eficiencia IE 3*, tensión de alimentación trifásica 230/400V 50Hz hasta tamaño motor 112 y 400/690V 50Hz para motores de mayor dimensión. Protección IP55, Clase F.

* Entre 75 y 200kW, los motores suministrados serán IE4.

**Bajo pedido**
- Fabricación en diferentes materiales constructivos.
- Motores de 2 velocidades.
- Versiones de 60 Hz.
- Pintura en diferentes RAL.
- Versión sin pie soporte (Motor-Brida, Sistema 5), hasta tamaño de motor 160.
- Versión para alta temperatura: hasta 220ºC (versiones B: con rodete de refrigeración).
- SISTEMA 8: acoplamiento mediante junta elástica.
- Purga de drenaje, distintos tipos de estanqueidad a nivel de voluta y de paso de eje.
- Ventiladores estancos.
- Calorifugado.

**Versiones ATEX**
Bajo pedido, versiones antiexplosivas según la Directiva ATEX para modelos trifásicos: Para trabajar a temperaturas de -20ºC a +60ºC, presión ambiente (absoluta) de 0,8 bar hasta 1,1 bar, según EN 14986.
- Gas:
  - Ex 2G IIB T2-T3-T4*
  - Ex 2G IIB+H2 T2-T3-T4*
  - Ex 3G IIB T2-T3-T4*
  - Ex 3G IIB+H2 T2-T3-T4*
- Polvo no conductivo:
  - Ex 2D IIIB T125°C*-T135°C*-T195°C-T295°C
  - Ex 3D IIIB T125°C*-T135°C*-T195°C-T295°C
- Polvo conductivo (con motor IP65 IIIC):
  - Ex 2D IIIC T125°C*-T135°C*-T195°C-T295°C
  - Ex 3D IIIC T125°C*-T135°C*-T195°C-T295°C

*Viabilidad técnica solicitada.

## CARACTERÍSTICAS TÉCNICAS

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación

| Modelo | Tamaño motor | Velocidad (r.p.m.) | Potencia motor (kW) | Intensidad motor 400V (A) | Caudal máximo ($m^3/h$) | Nivel presión sonora a 1 m (dB(A))[1] | Peso (kg)[2] | Momento de inercia ($kg \cdot m^2$)[3] |
|---|---|---|---|---|---|---|---|---|
| 2 POLOS | | | | | | | | |
| FA 311/2 R4A | 63B2 | 2780 | 0,25 | 0,68 | 230 | 65 | 22 | 0,04 |
| FA 351/2 R4A | 71A2 | 2810 | 0,37 | 0,90 | 260 | 67 | 25 | 0,06 |
| FA 401/2 R4A | 71B2 | 2820 | 0,55 | 1,25 | 280 | 69 | 37 | 0,09 |
| FA 451/2 R4A | 80A2 | 2830 | 0,75 | 1,59 | 320 | 71 | 39 | 0,14 |
| FA 501/2 R4A | 80B2 | 2840 | 1,10 | 2,33 | 340 | 73 | 42 | 0,19 |
| FA 561/2 R4A | 90S2 | 2840 | 1,50 | 3,07 | 400 | 75 | 60 | 0,28 |
| FA 632/2 R4A | 90S2 | 2840 | 1,50 | 3,07 | 320 | 76 | 64 | 0,45 |
| FA 631/2 R4A | 90L2 | 2850 | 2,20 | 4,43 | 460 | 77 | 67 | 0,53 |
| FA 712/2 R4A | 100LA2 | 2900 | 3,00 | 5,77 | 470 | 79 | 94 | 0,68 |
| FA 711/2 R4A | 112M2 | 2910 | 4,00 | 7,50 | 640 | 80 | 101 | 0,88 |
| FA 802/2 R4A | 112M2 | 2910 | 4,00 | 7,50 | 540 | 82 | 112 | 1,03 |
| FA 801/2 R4A | 132SA2 | 2890 | 5,50 | 10,10 | 830 | 84 | 126 | 1,35 |
| FA 902/2 R4A | 132MB2 | 2900 | 9,20 | 16,60 | 940 | 86 | 153 | 2,20 |
| FA 901/2 R4A | 160MR2 | 2930 | 11,00 | 18,70 | 1.340 | 88 | 211 | 2,73 |

1 Entubado en la descarga
Tolerancia del nivel de ruido de +3dB/A, medido en el punto de máxima eficiencia
2 Con motor incluido y para orientación LG270 o RD270
3 Momento de inercia del rodete

## TIEMPO DE ARRANQUE

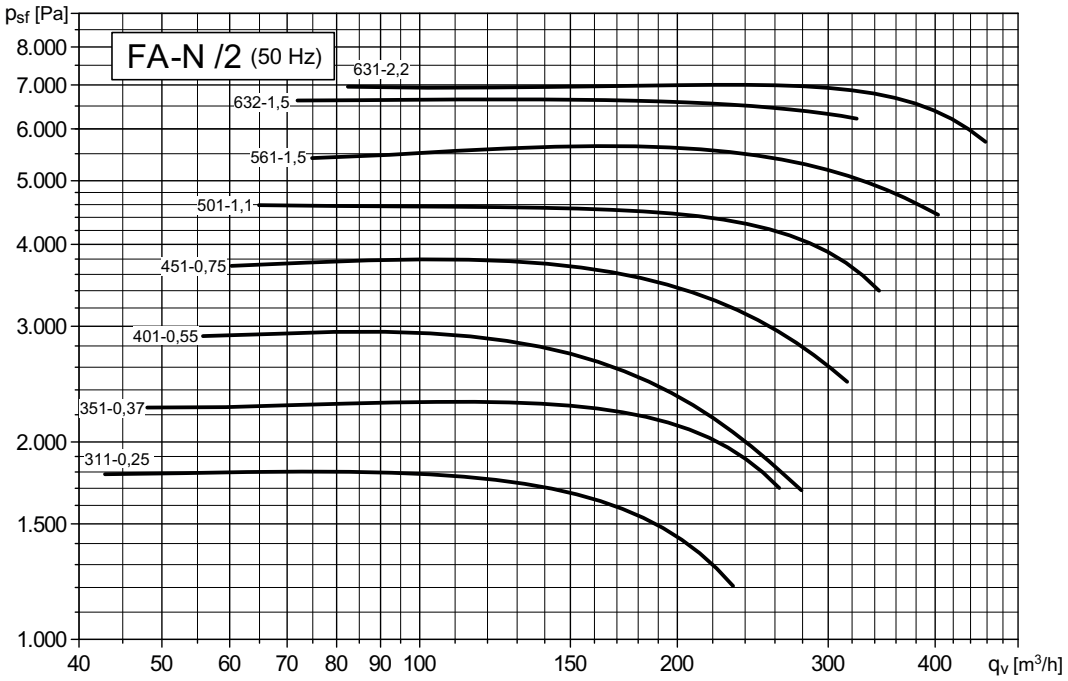
| Modelo | kW | rpm | t (sec) |
|---|---|---|---|
| FA 311 R4A/RD270 - 63B2 | 0,25 | 2780 | 6 |
| FA 351 R4A/RD270 - 71A2 | 0,37 | 2810 | 6 |
| FA 401 R4A/RD270 - 71B2 | 0,55 | 2820 | 6 |
| FA 451 R4A/RD270 - 80A2 | 0,75 | 2830 | 10 |
| FA 501 R4A/RD270 - 80B2 | 1,1 | 2840 | 10 |
| FA 561 R4A/RD270 - 90S2 | 1,5 | 2840 | 10 |
| FA 632 R4A/RD270 - 90L2 | 2,2 | 2850 | 10 |
| FA 631 R4A/RD270 - 90L2 | 2,2 | 2850 | 10 |
| FA 712 R4A/RD270 - 100LA2 | 3 | 2900 | 14 |
| FA 712 R4A/RD270 - 100LA2* | 3,8 | 2900 | 10 |
| FA 711 R4A/RD270 - 112M2 | 4 | 2910 | 14 |
| FA 711 R4A/RD270 - 112M2* | 5,2 | 2910 | 10 |
| FA 802 R4A/RD270 - 112M2 | 4 | 2910 | 14 |
| FA 802 R4A/RD270 - 112M2* | 5,2 | 2910 | 10 |
| FA 801 R4A/RD270 - 132SA2 | 5,5 | 2890 | 14 |
| FA 801 R4A/RD270 - 132SA2* | 7 | 2900 | 10 |
| FA 902 R4A/RD270 - 132MB2 | 9 | 2900 | 16 |
| FA 902 R4A/RD270 - 132MB2* | 11,5 | 2900 | 11 |
| FA 901 R4A/RD270 - 160MR2 | 11 | 2930 | 16 |
| FA 901 R4A/RD270 - 160MR2* | 14 | 2930 | 11 |

* Motores con potencia superior a la indicada en el catálogo

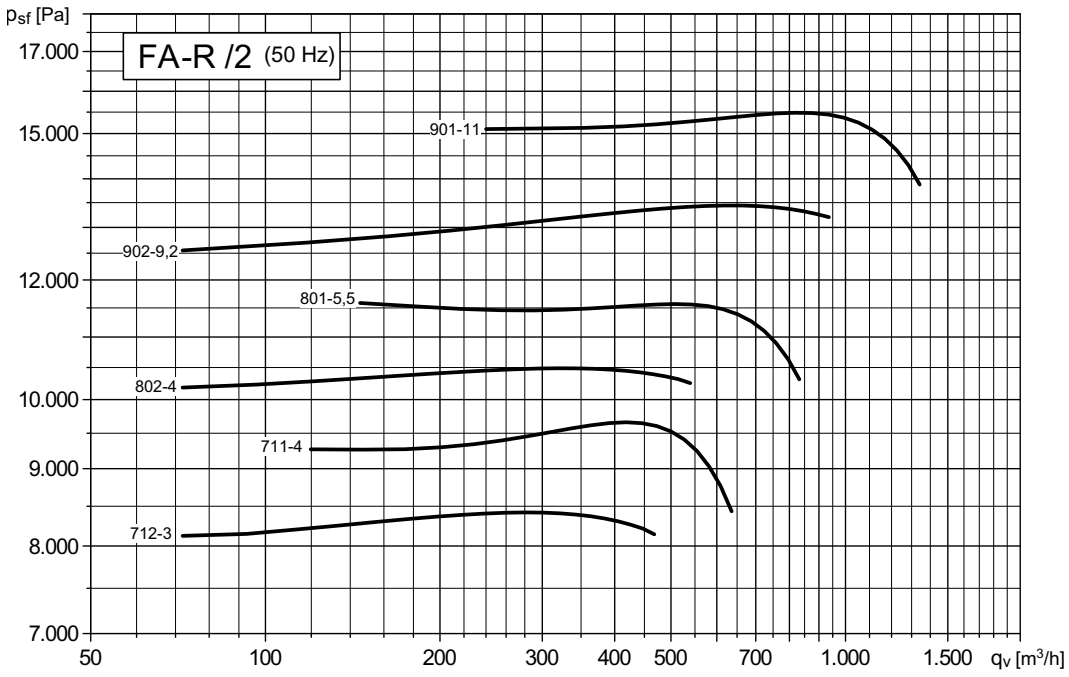
## CURVAS CARACTERÍSTICAS (a la descarga)

- Caudal en $m^3/h$
- **Psf: Presión estática en Pa**
- Modelo - Potencia motor en kW
- Ejemplo: 631 - 2,2
  Modelo - kW

2 polos - Modelos desde 311 hasta 631



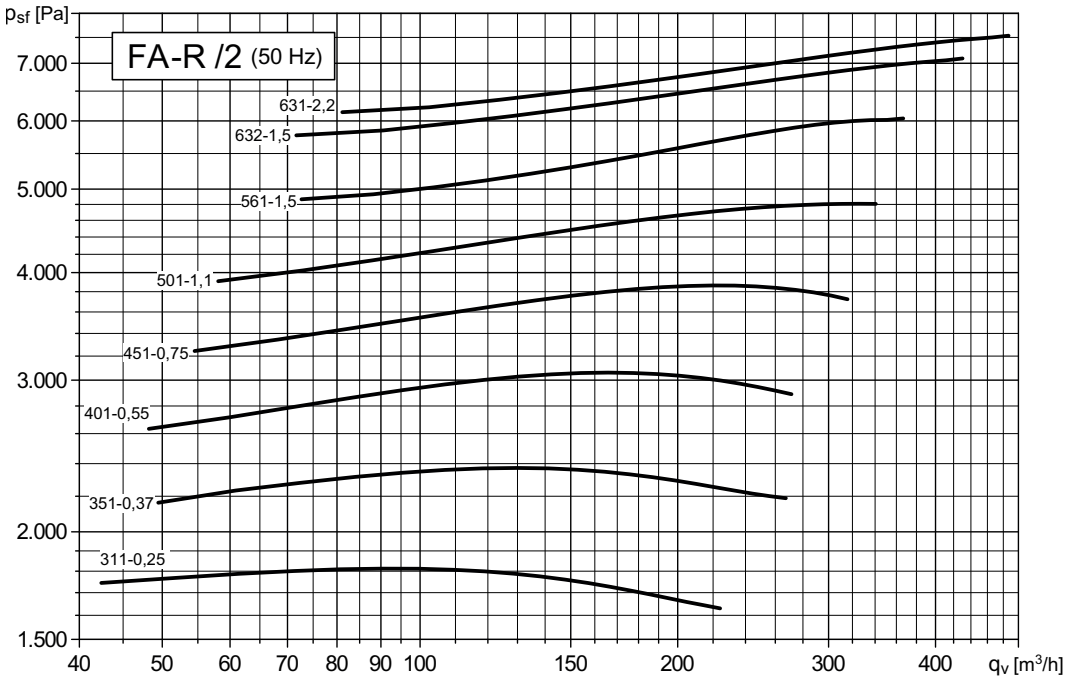

2 polos - Modelos desde 712 hasta 901



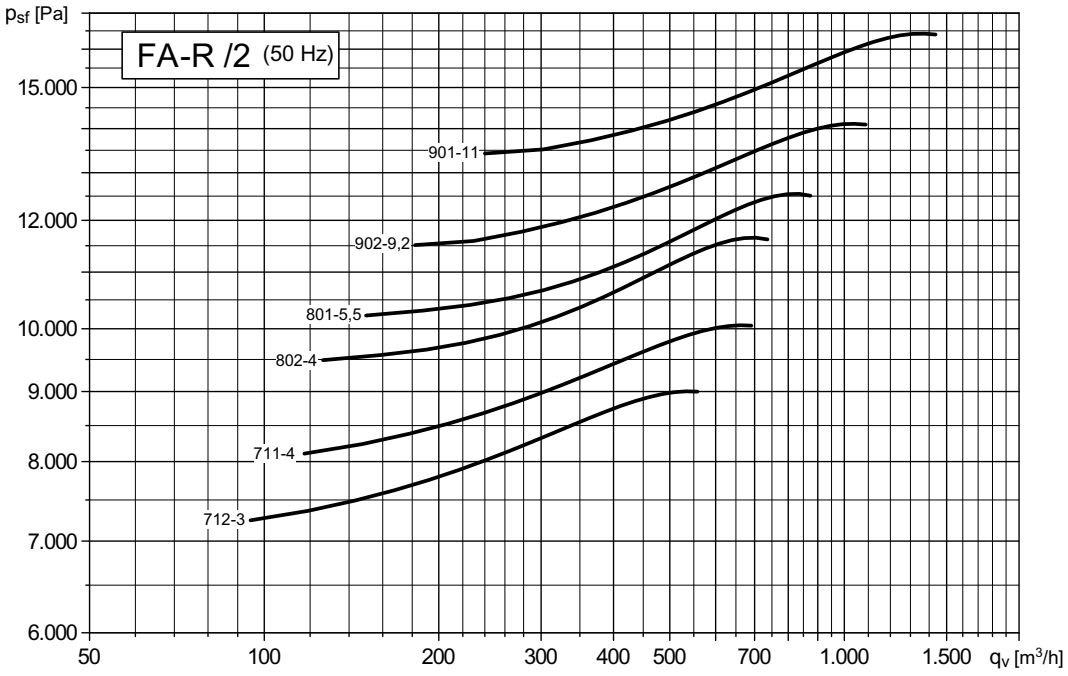
## CURVAS CARACTERÍSTICAS (a la aspiración)

- Caudal en $m^3/h$
- **Psf: Presión estática en Pa**
- Modelo - Potencia motor en kW
- Ejemplo: 631 - 2,2
  Modelo - kW

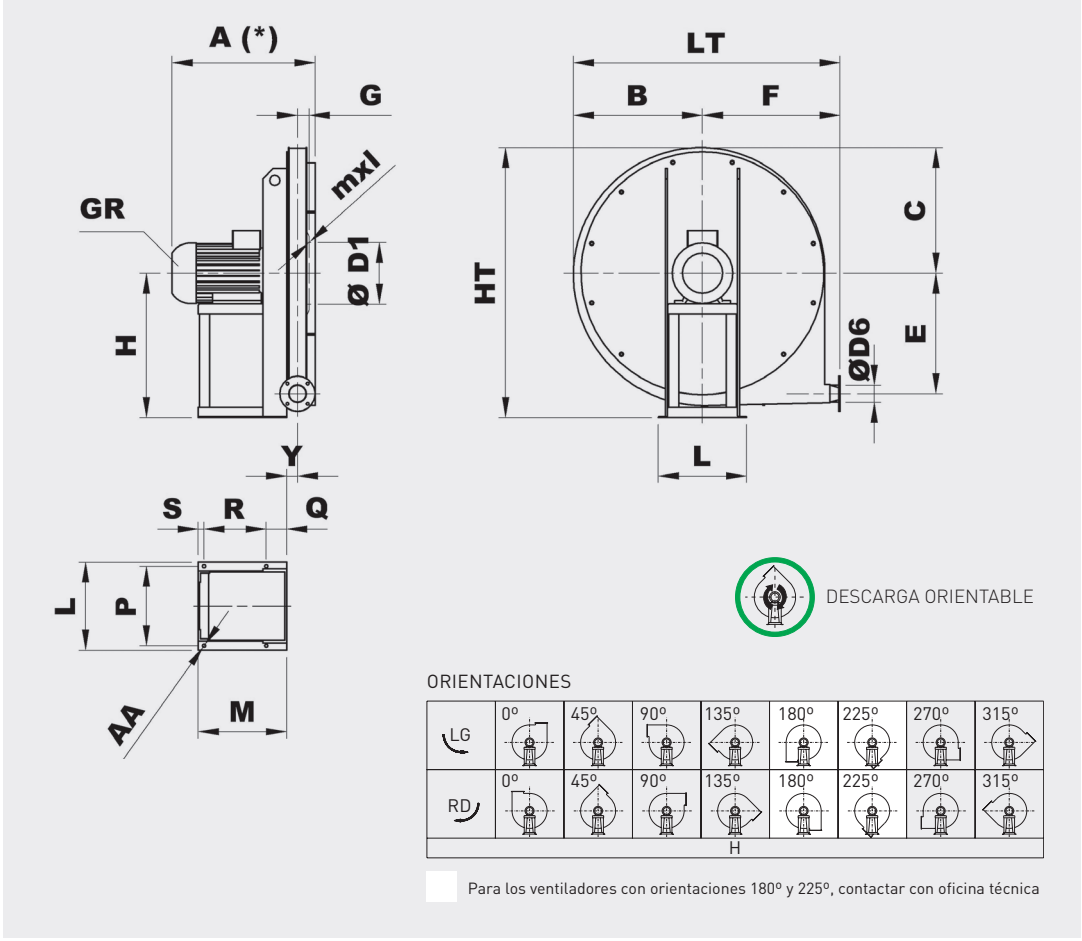
2 polos - Modelos desde 311 hasta 631




2 polos - Modelos desde 712 hasta 901



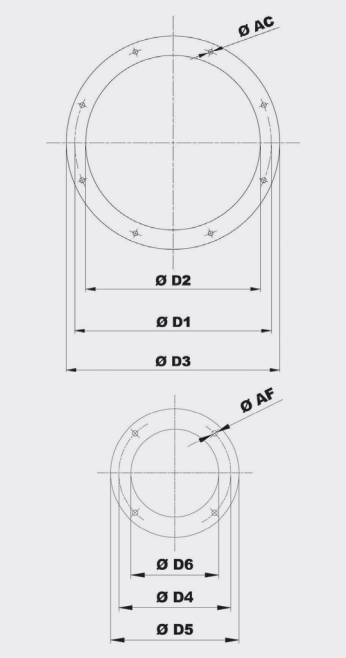
## DIMENSIONES (mm)




| Modelo | | | | | | | | | | | | | | Base | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Motor GR | A* | B | C | ØD1 | E | F | G | H | HT | mxl | Y | LT | ØD6 | L | P | M | Q | R | S | ØAA |
| FA 311/2 R4A | 63B2 | 285 | 245 | 240 | 182 | 220 | 270 | 35 | 280 | 520 | M6x16 | 31 | 515 | 54 | 206 | 184 | 184 | 45 | 125 | 14 | 10 |
| FA 351/2 R4A | 71A2 | 310 | 245 | 240 | 182 | 220 | 270 | 35 | 280 | 520 | M6x16 | 31 | 515 | 54 | 225 | 203 | 215 | 45 | 156 | 14 | 10 |
| FA 401/2 R4A | 71B2 | 310 | 325 | 315 | 182 | 300 | 350 | 35 | 355 | 670 | M6x16 | 31 | 675 | 54 | 225 | 203 | 215 | 45 | 156 | 14 | 10 |
| FA 451/2 R4A | 80A2 | 340 | 325 | 315 | 182 | 300 | 350 | 35 | 355 | 670 | M6x16 | 31 | 675 | 54 | 225 | 203 | 225 | 45 | 166 | 14 | 10 |
| FA 501/2 R4A | 80B2 | 340 | 325 | 315 | 182 | 300 | 350 | 35 | 355 | 670 | M6x16 | 31 | 675 | 54 | 225 | 203 | 225 | 45 | 166 | 14 | 10 |
| FA 561/2 R4A | 90S2 | 390 | 375 | 375 | 182 | 355 | 405 | 35 | 425 | 800 | M6x16 | 32 | 780 | 54 | 260 | 234 | 260 | 60 | 183 | 17 | 10 |
| FA 631/2 R4A | 90L2 | 390 | 375 | 375 | 182 | 355 | 405 | 35 | 425 | 800 | M6x16 | 32 | 780 | 54 | 260 | 234 | 260 | 60 | 183 | 17 | 10 |
| FA 632/2 R4A | 90S2 | 390 | 375 | 375 | 182 | 355 | 405 | 35 | 425 | 800 | M6x16 | 32 | 780 | 54 | 260 | 234 | 260 | 60 | 183 | 17 | 10 |
| FA 711/2 R4A | 112M2 | 500 | 425 | 425 | 200 | 400 | 455 | 41 | 475 | 900 | M6x16 | 38 | 880 | 66 | 324 | 289 | 310 | 23 | 264 | 23 | 12 |
| FA 712/2 R4A | 100LA2 | 450 | 425 | 425 | 200 | 400 | 455 | 41 | 475 | 900 | M6x16 | 38 | 880 | 66 | 324 | 289 | 295 | 23 | 249 | 23 | 12 |
| FA 801/2 R4A | 132SA2 | 580 | 475 | 480 | 200 | 450 | 505 | 41 | 530 | 1010 | M6x16 | 38 | 980 | 66 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| FA 802/2 R4A | 112M2 | 500 | 475 | 480 | 200 | 450 | 505 | 41 | 530 | 1010 | M6x16 | 38 | 980 | 66 | 324 | 289 | 310 | 23 | 264 | 23 | 12 |
| FA 901/2 R4A | 160MR2 | 710 | 550 | 535 | 219 | 500 | 570 | 50 | 600 | 1135 | M6x16 | 47 | 1120 | 83 | 440 | 395 | 470 | 28 | 414 | 28 | 14 |

* Según tamaño motor

## DIMENSIONES (mm)




Brida aspiración

| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 311 ÷ 631 | 140 | 182 | 144 | 214 | 8 | 4 |
| 711 ÷ 801 | 160 | 200 | 164 | 234 | 8 | 4 |
| 901 | 180 | 219 | 184 | 254 | 8 | 4 |

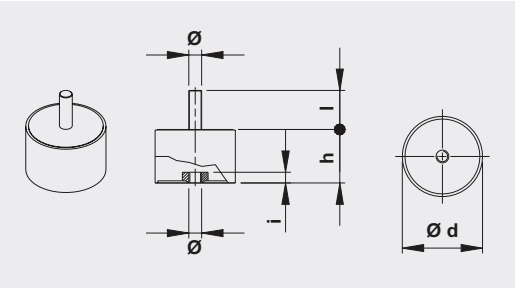
Brida descarga

| Modelo | Tipo brida | ØD6 | ØD4 | ØD5 | ØAF | Agujeros |
|---|---|---|---|---|---|---|
| 311 ÷ 631 | 50 | 54 | 84 | 104 | 8 | 4 |
| 711 ÷ 801 | 63 | 66 | 102 | 126 | 8 | 4 |
| 901 | 80 | 83 | 118 | 143 | 8 | 4 |

## AMORTIGUADORES

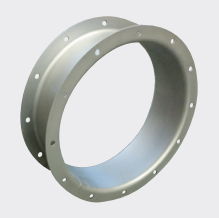
Amortiguadores recomendados

| Ventilador | Ejecución 4 |
|---|---|
| 311 | 4 x AM 20 - 20x20 |
| 351 | 4 x AM 20 - 20x20 |
| 401 | 4 x AM 20 - 20x20 |
| 451 | 4 x AM 20 - 20x20 |
| 501 | 4 x AM 25 - 25x20 |
| 561 | 4 x AM 25 - 25x20 |
| 631/2 | 4 x AM 25 - 25x20 |
| 711/2 | 4 x AM 30 - 30x30 |
| 801/2 | 4 x AM 30 - 30x30 |
| 901/2 | 4 x AM 40 - 40x30 |

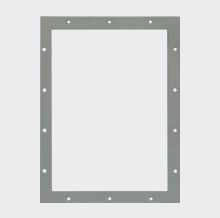



| Tipo | Carga para 4 soportes (kg) | d | h | Ø | l | Peso (kg) |
|---|---|---|---|---|---|---|
| AM 20 | 11÷40 | 20 | 20 | M6 | 15 | 0,02 |
| AM 25 | 41÷80 | 25 | 20 | M6 | 18 | 0,03 |
| AM 30 | 81÷140 | 30 | 30 | M8 | 20 | 0,05 |
| AM 40 | 141÷224 | 40 | 30 | M8 | 23 | 0,10 |

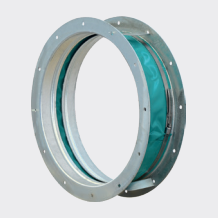
## ACCESORIOS



**CA (CFH1) - CFH2 - CFH3**
Contrabrida - Brida plana circular.



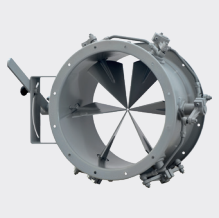
**CP**
Brida plana rectangular.



**GA**
Junta flexible aspiración.



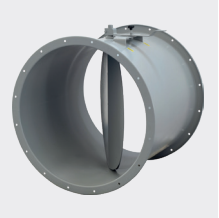
**GP**
Junta flexible descarga.



**DP**
Regulador de caudal de aspiración.



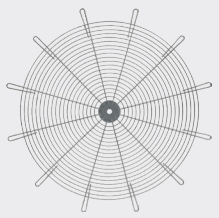
**SAD**
Compuerta de regulación de caudal de descarga.



**SF**
Vávula mariposa.



**DF**
Filtro en la aspiración.



**RC**
Rejilla de protección para la aspiración.



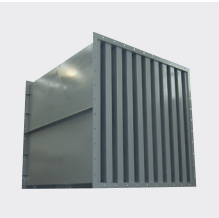
**AM/AZ**
Soportes antivibratorios.



**SCSO**
Silenciador cilíndrico.



**SCCO**
Silenciador cilíndrico con bulbo.



**SASS**
Silenciador rectangular.



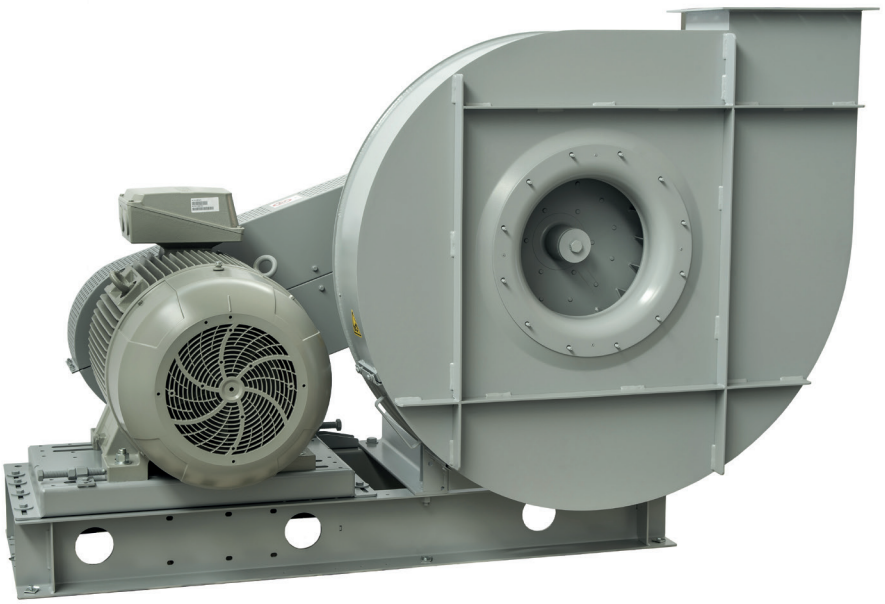
**CI**
Cabina de insonorización.

Ver información completa en página **772**.

# FA-R

## VENTILADORES CENTRÍFUGOS DE ALTA PRESIÓN

*TRANSMISIÓN*



Ventilador centrífugo con accionamiento por poleas y correas y simple aspiración. Fabricados en chapa de acero protegida contra la corrosión mediante tratamiento por cataforesis + pintura poliuretana. Temperaturas del aire a transportar -20ºC/+100ºC en continuo.

APLICACIONES

**Aire a transportar**
Aire polvoriento

**Cantidad de polvo (mg/m$^3$)**
<5000



Rodete de álabes radiales

### Sistemas de montaje

- SISTEMA 1: eje libre, para acoplamiento mediante poleas y correas.
- SISTEMA 9: incluye motor, poleas, correas y protector de correas. Motor montado en el lateral del pie soporte rodamientos.
- SISTEMA 12: incluye motor, poleas, correas y protector de correas. Motor montado sobre la bancada general.

### Motores

De 2, 4 o 6 polos, de alta eficiencia IE 3* (las r.p.m. de cada motor se adaptarán al cálculo de cada transmisión), tensión de alimentación trifásica 230/400V 50Hz hasta tamaño motor 112 y 400/690V 50Hz para motores de mayor dimensión. Protección IP55, Clase F.

* Entre 75 y 200kW, los motores suministrados serán IE4.

### Bajo pedido

- Fabricación en diferentes materiales constructivos.
- Motores de 2 velocidades.
- Versiones de 60 Hz.
- Pintura en diferentes RAL.
- Versión para alta temperatura: hasta 300ºC (versiones B: con rodete de refrigeración).
- Purga de drenaje, distintos tipos de estanqueidad a nivel de voluta y de paso de eje.
- Ventiladores estancos.
- Calorifugado.

### Versiones ATEX

Bajo pedido, versiones antiexplosivas según la Directiva ATEX para modelos trifásicos: Para trabajar a temperaturas de -20ºC a +60ºC, presión ambiente (absoluta) de 0,8 bar hasta 1,1 bar, según EN 14986.

- Gas:
  - Ex 2G IIB T2-T3
  - Ex 2G IIB+H2 T2-T3
  - Ex 3G IIB T2-T3
  - Ex 3G IIB+H2 T2-T3
- Polvo no conductivo:
  - Ex 2D IIIB T195°C-T295°C
  - Ex 3D IIIB T195°C-T295°C
- Polvo conductivo (con motor IP65 IIIC):
  - Ex 2D IIIC T195°C-T295°C
  - Ex 3D IIIC T195°C-T295°C

## CARACTERÍSTICAS TÉCNICAS

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación.

| Modelo | Caudal máximo ($m^3/h$) | Potencia motor máxima (kW) | Peso (kg)[1] | Momento de inercia ($kg \cdot m^2$)[2] |
|---|---|---|---|---|
| FA 351 R1A | 470 | 1,5 | 24 | 0,07 |
| FA 501 R1A | 550 | 3,0 | 37 | 0,24 |
| FA 631 R1A | 640 | 5,5 | 61 | 0,63 |
| FA 711 R1A | 780 | 7,5 | 91 | 1,03 |
| FA 801 R1A | 970 | 11,0 | 104 | 1,57 |
| FA 901 R1A | 1.440 | 15,0 | 126 | 3,50 |

[1] Para ejecución 1 y orientación LG270 o RD270
[2] Momento de inercia del rodete

SOPORTES SISTEMA 1

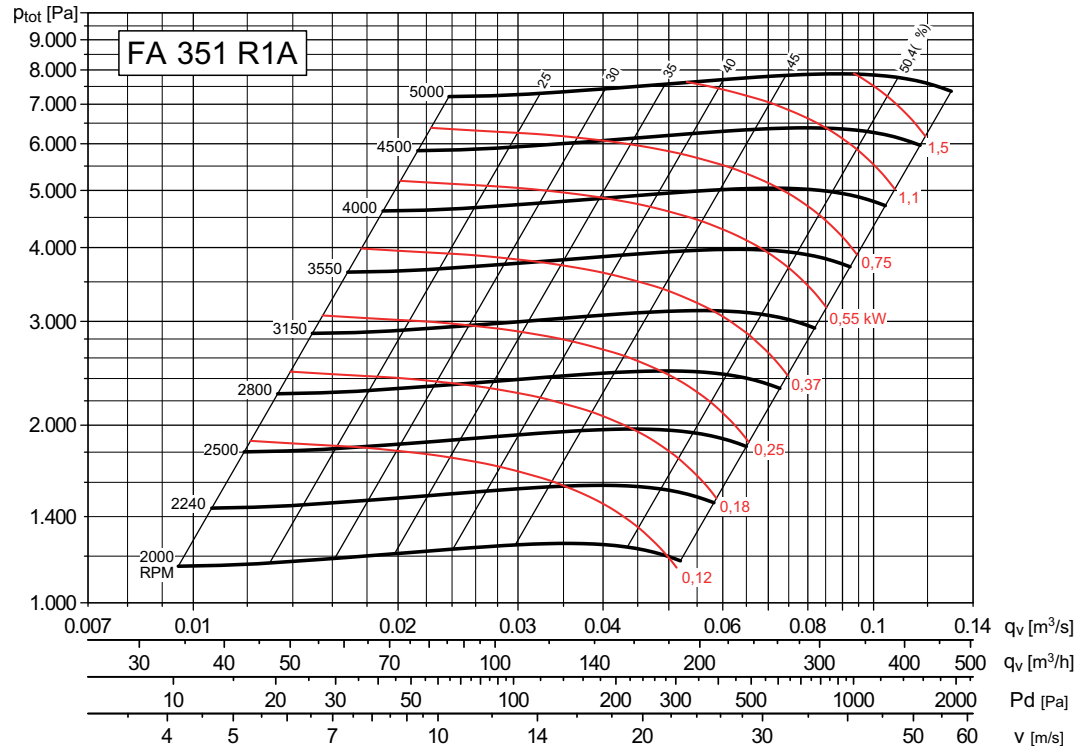
| Modelo | 351-501 | 631 | 711-801 | 901 |
|---|---|---|---|---|
| Soporte tipo | ST 47 A19 | ST 62 A24 | ST 80 A28 | ST 90 A38 |

MOTORES SISTEMA 9

| Modelo | 351-501 | 631 | 711-901 |
|---|---|---|---|
| Tamaño motor | ≤ 90 L2 | ≤ 100 L2 | ≤ 132 M2 |

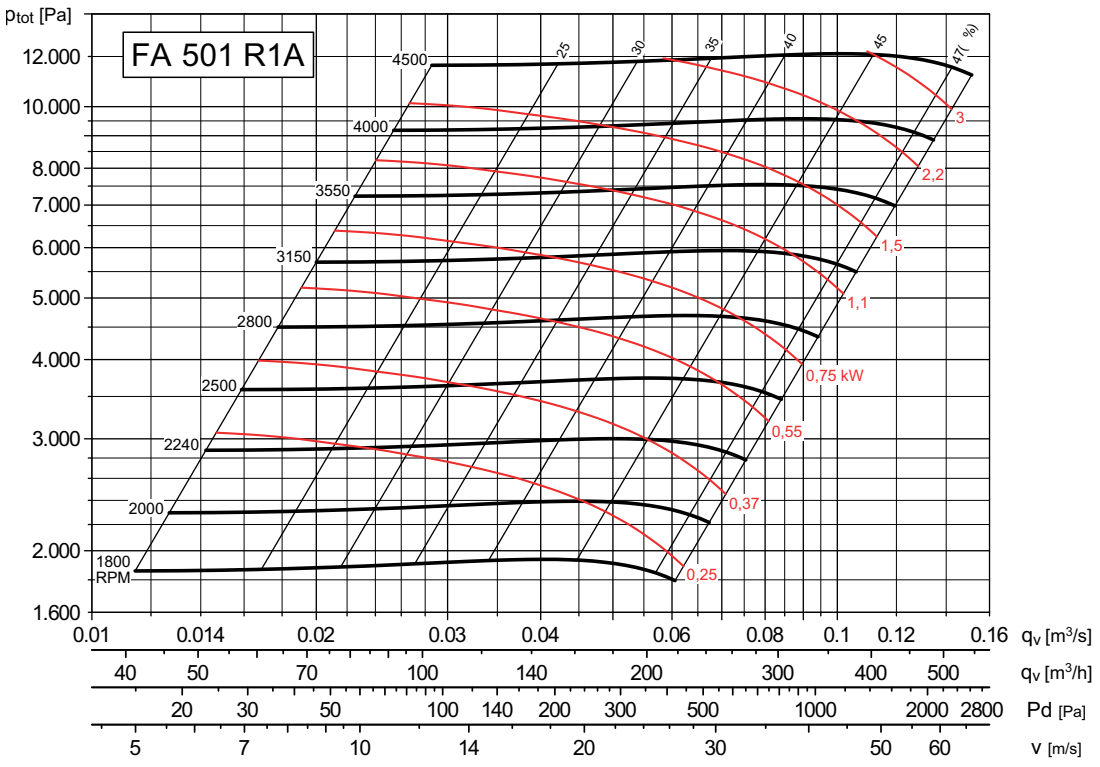
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 5000 rpm
101 ÷ 220°C = 4500 rpm
201 ÷ 300°C = 4000 rpm

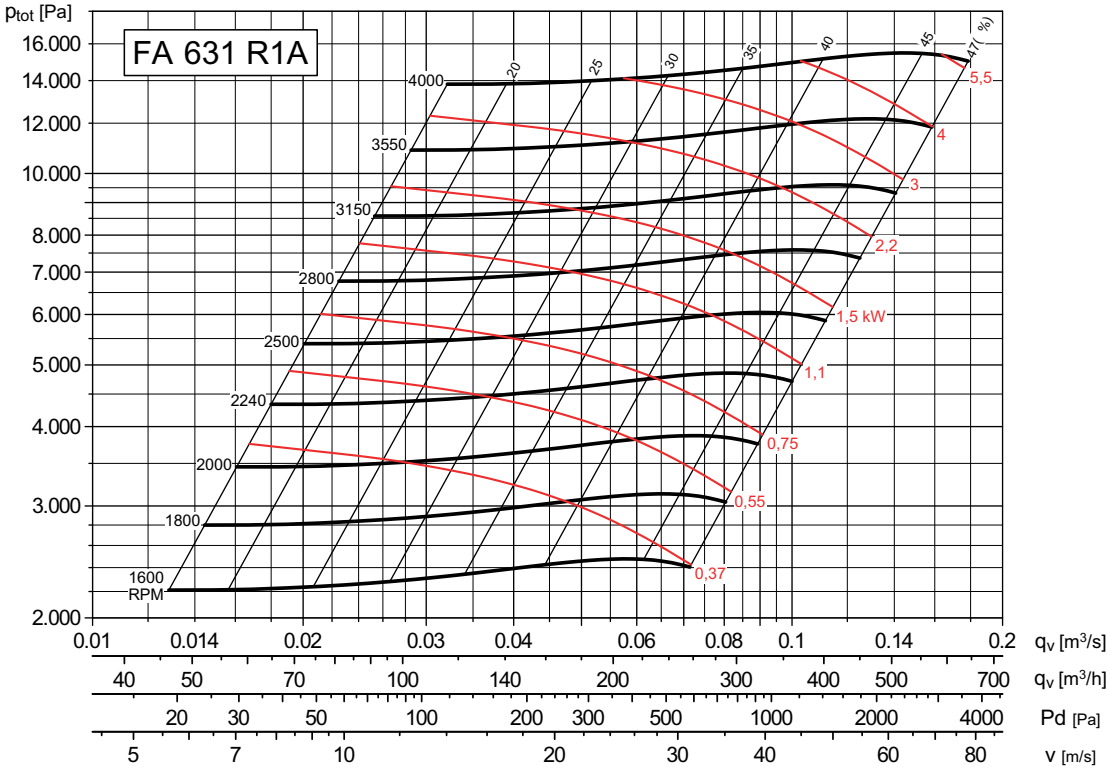



MAX. RPM

≤ 100°C = 4250 rpm
101 ÷ 220°C = 3750 rpm
201 ÷ 300°C = 3350 rpm

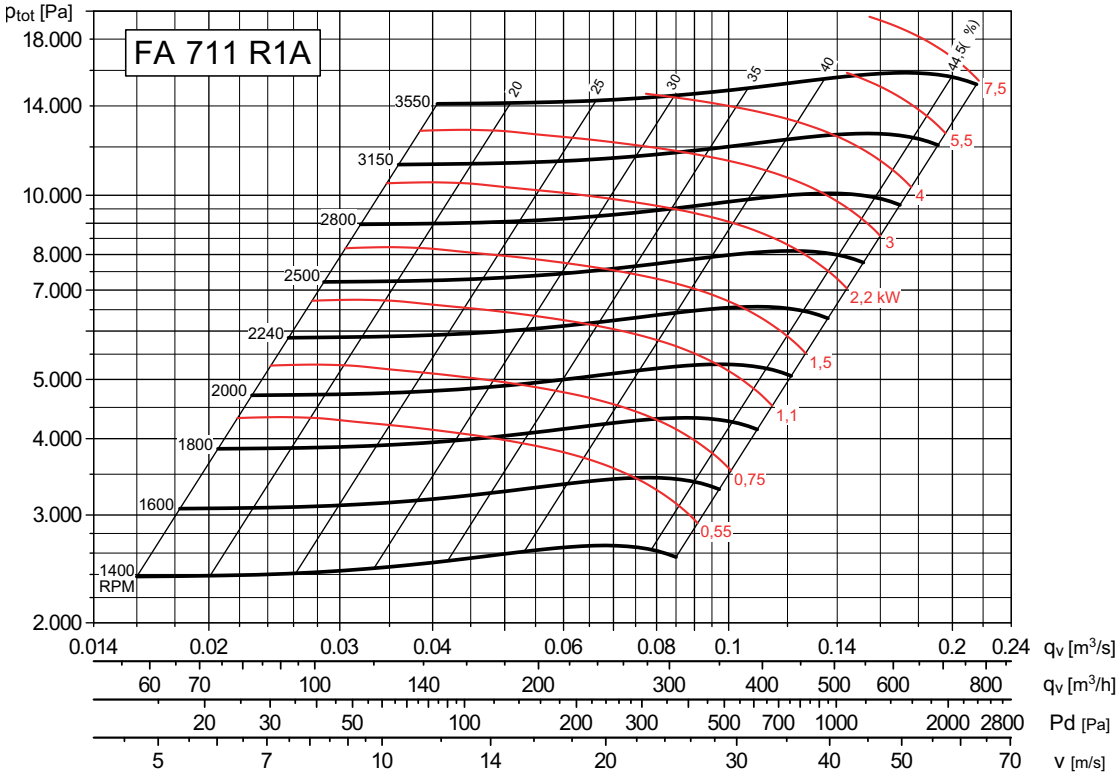
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 3750 rpm
101 ÷ 220°C = 3350 rpm
201 ÷ 300°C = 3000 rpm

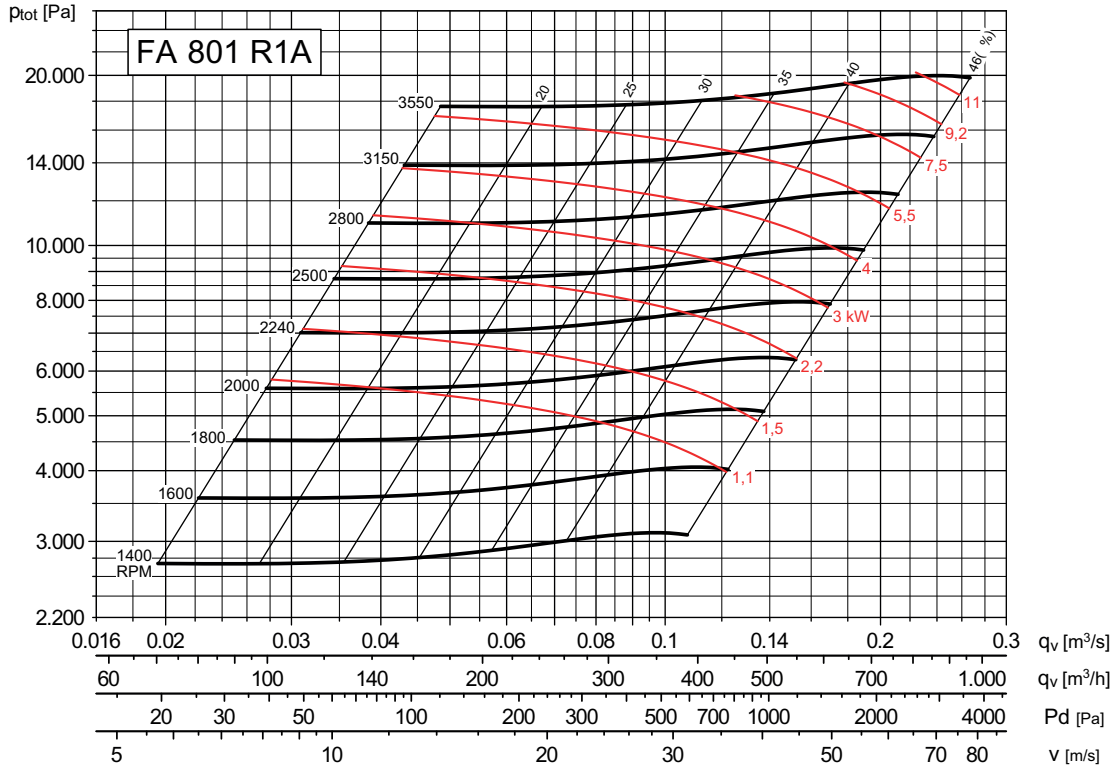



MAX. RPM

≤ 100°C = 3550 rpm
101 ÷ 220°C = 3150 rpm
201 ÷ 300°C = 2800 rpm

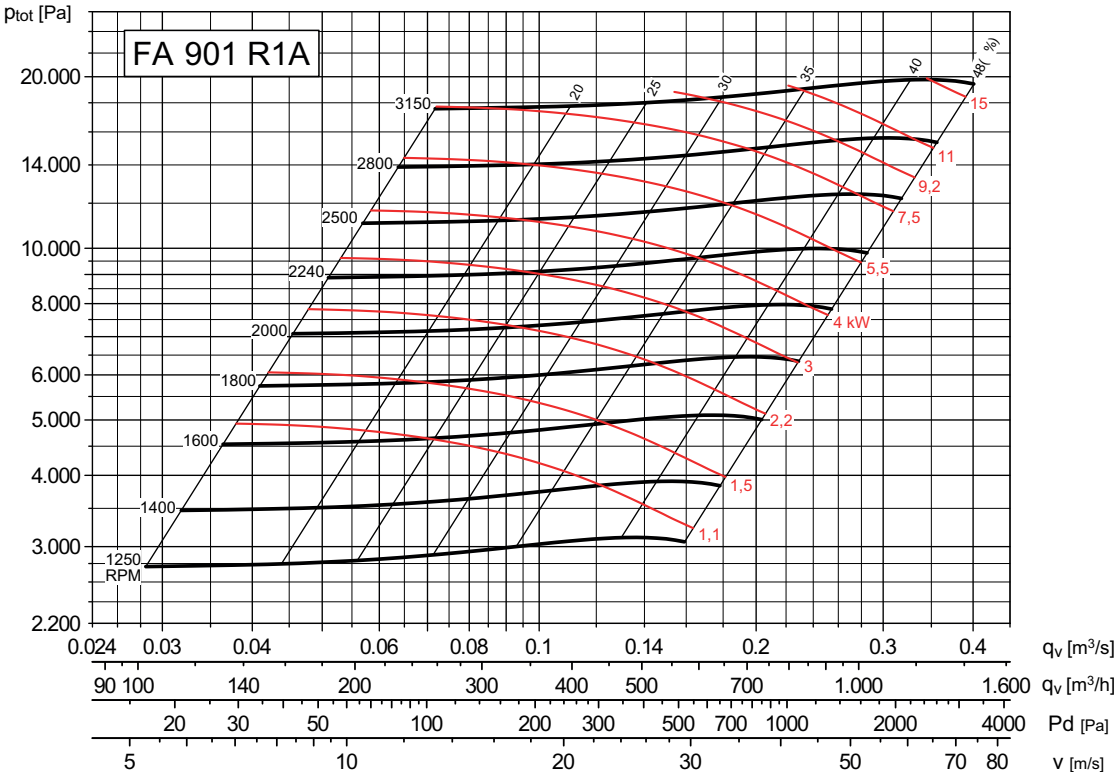
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

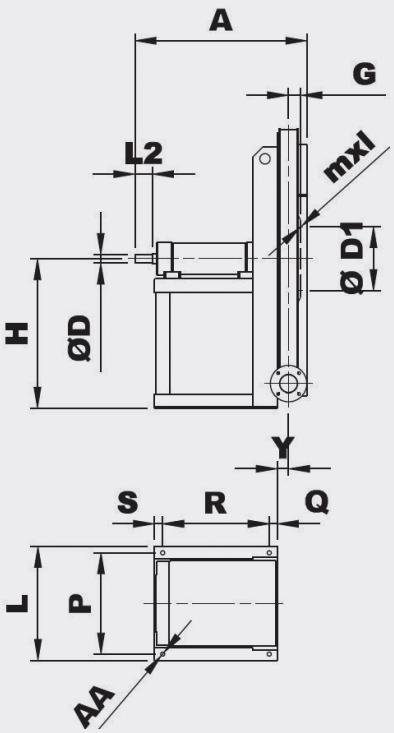
≤ 100°C = 3350 rpm
101 ÷ 220°C = 3000 rpm
201 ÷ 300°C = 2650 rpm

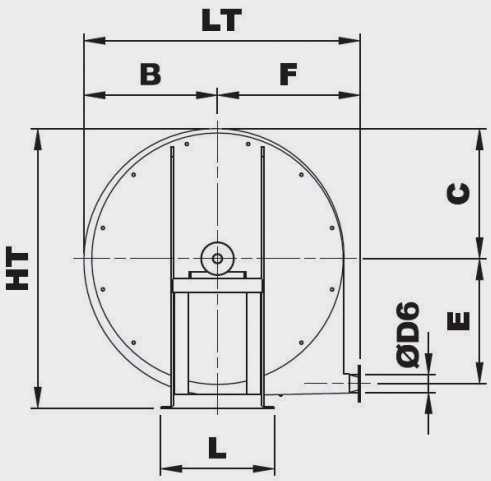



MAX. RPM

≤ 100°C = 3150 rpm
101 ÷ 220°C = 2800 rpm
201 ÷ 300°C = 2500 rpm

## DIMENSIONES (mm)

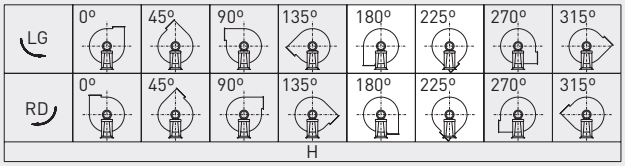



DESCARGA ORIENTABLE

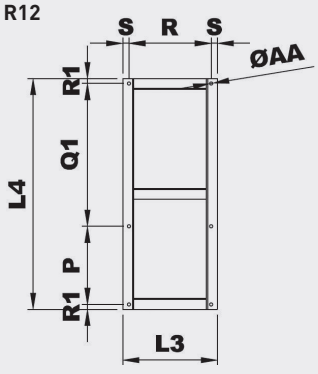
EJECUCIÓN B
Con rodete de refrigeración, contactar con oficina técnica.

ORIENTACIONES




Para estas orientaciones, contactar con oficina técnica

| Modelo | | | | | | | | | | | | | Eje | | Base | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | ØD1 | E | F | G | H | HT | mxl | Y | LT | ØD6 | ØD | L2 | L | P | Q | R | S | ØAA |
| FA 351 R1A | 410 | 245 | 240 | 182 | 220 | 270 | 35 | 280 | 520 | M6x16 | 31 | 515 | 54 | 19 | 40 | 255 | 228 | 17 | 241 | 17 | 10 |
| FA 501 R1A | 410 | 325 | 315 | 182 | 300 | 350 | 35 | 355 | 670 | M6x16 | 31 | 675 | 54 | 19 | 40 | 255 | 228 | 17 | 241 | 17 | 10 |
| FA 631 R1A | 490 | 375 | 375 | 182 | 355 | 405 | 35 | 425 | 800 | M6x16 | 32 | 780 | 54 | 24 | 50 | 324 | 288 | 23 | 303 | 23 | 12 |
| FA 711 R1A | 665 | 425 | 425 | 200 | 400 | 455 | 41 | 475 | 900 | M6x16 | 38 | 880 | 66 | 28 | 60 | 400 | 355 | 28 | 429 | 28 | 14 |
| FA 801 R1A | 665 | 475 | 480 | 200 | 450 | 505 | 41 | 530 | 1010 | M6x16 | 38 | 980 | 66 | 28 | 60 | 400 | 355 | 28 | 429 | 28 | 14 |

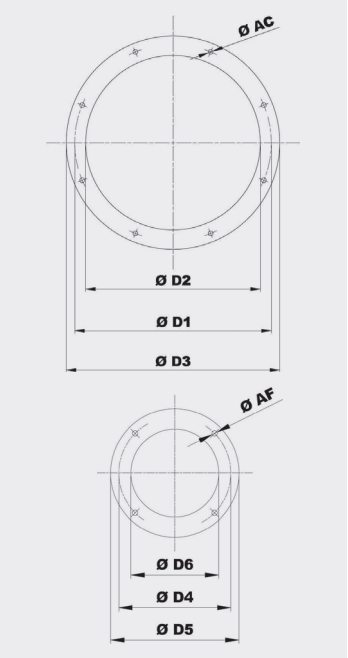



Bancada ejecución 12

| Modelo | P | L3 | L4 | Q1 | R | R1 | S | ØAA | Peso (kg) |
|---|---|---|---|---|---|---|---|---|---|
| 351 R12A | 228 | 275 | 750 | 495 | 241 | 13,5 | 17 | 10 | 10 |
| 501 R12A | 228 | 275 | 750 | 495 | 241 | 13,5 | 17 | 10 | 10 |
| 631 R12A | 288 | 349 | 850 | 526 | 303 | 18 | 23 | 12 | 14 |
| 711 R12A | 355 | 485 | 1000 | 600 | 429 | 22,5 | 28 | 14 | 20 |
| 801 R12A | 355 | 485 | 1000* | 600* | 429 | 22,5 | 28 | 14 | 20 |
| 901 R12A | 355 | 500 | 1180 | 780 | 444 | 22,5 | 28 | 14 | 23 |

* Para motores de talla 160, esta cota aumenta en 100 mm

## DIMENSIONES (mm)




Brida aspiración

| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 311 ÷ 631 | 140 | 182 | 144 | 214 | 8 | 4 |
| 711 ÷ 801 | 160 | 200 | 164 | 234 | 8 | 4 |
| 901 | 180 | 219 | 184 | 254 | 8 | 4 |

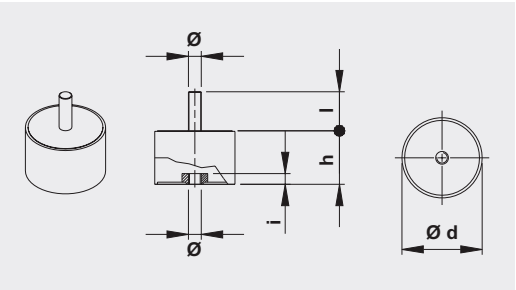
Brida descarga

| Modelo | Tipo brida | ØD6 | ØD4 | ØD5 | ØAF | Agujeros |
|---|---|---|---|---|---|---|
| 311 ÷ 631 | 50 | 54 | 84 | 104 | 8 | 4 |
| 711 ÷ 801 | 63 | 66 | 102 | 126 | 8 | 4 |
| 901 | 80 | 83 | 118 | 143 | 8 | 4 |

## AMORTIGUADORES

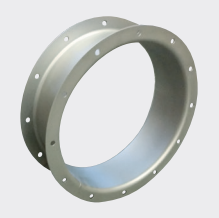
Amortiguadores recomendados

| Ventilador | Ejecución 9 | Ejecución 12 |
|---|---|---|
| 311 | 4 x AM 20 - 20x20 | 4 x AM 25 - 25x20 |
| 351 | 4 x AM 20 - 20x20 | 4 x AM 25 - 25x20 |
| 401 | 4 x AM 25 - 25x20 | 4 x AM 30 - 30x30 |
| 451 | 4 x AM 25 - 25x20 | 4 x AM 30 - 30x30 |
| 501 | 4 x AM 25 - 25x20 | 4 x AM 30 - 30x30 |
| 561 | 4 x AM 30 - 30x30 | 4 x AM 30 - 30x30 |
| 631/2 | 4 x AM 30 - 30x30 | 4 x AM 30 - 30x30 |
| 711/2 | 4 x AM 40 - 40x30 | 4 x AM 40 - 40x30 |
| 801/2 | 4 x AM 40 - 40x30 | 4 x AM 40 - 40x30 |
| 901/2 | 4 x AM 50 - 50x40 | 4 x AM 50 - 50x40 |

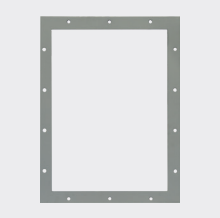



| Tipo | Carga para 4 soportes (kg) | d | h | Ø | l | Peso (kg) |
|---|---|---|---|---|---|---|
| AM 20 | 11÷40 | 20 | 20 | M6 | 15 | 0,02 |
| AM 25 | 41÷80 | 25 | 20 | M6 | 18 | 0,03 |
| AM 30 | 81÷140 | 30 | 30 | M8 | 20 | 0,05 |
| AM 40 | 141÷224 | 40 | 30 | M8 | 23 | 0,10 |
| AM 50 | 225÷315 | 50 | 40 | M10 | 28 | 0,20 |
| AM 75 | 316÷630 | 75 | 50 | M12 | 37 | 0,50 |

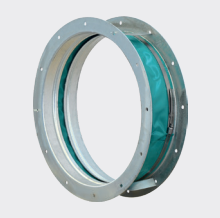
## ACCESORIOS



**CA (CFH1) - CFH2 - CFH3**
Contrabrida - Brida plana circular.



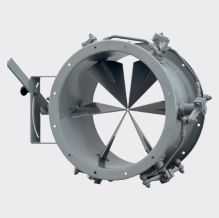
**CP**
Brida plana rectangular.



**GA**
Junta flexible aspiración.



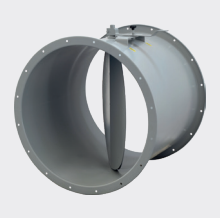
**GP**
Junta flexible descarga.



**DP**
Regulador de caudal de aspiración.



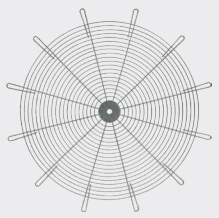
**SAD**
Compuerta de regulación de caudal de descarga.



**SF**
Vávula mariposa.



**DF**
Filtro en la aspiración.



**RC**
Rejilla de protección para la aspiración.



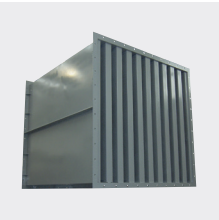
**AM/AZ**
Soportes antivibratorios.



**SCSO**
Silenciador cilíndrico.



**SCCO**
Silenciador cilíndrico con bulbo.



**SASS**
Silenciador rectangular.



**CI**
Cabina de insonorización.

Ver información completa en página **772**.

# FC-P

## VENTILADORES CENTRÍFUGOS DE ALTA PRESIÓN

*ACOPLAMIENTO DIRECTO*



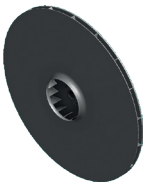
Ventilador centrífugo de acoplamiento directo y simple aspiración. Fabricados en chapa de acero protegida contra la corrosión mediante tratamiento por cataforesis + pintura poliuretana. Temperaturas del aire a transportar -20ºC/+100ºC en continuo.



APLICACIONES

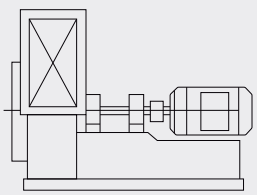
**Aire a transportar**
Aire polvoriento

**Cantidad de polvo (mg/m$^3$)**
<5000



Rodete de álabes curvados hacia adelante

**SISTEMA 8:** acoplamiento mediante junta elástica.



Disponible bajo pedido

**Motores**
De 2, 4 o 6 polos, de alta eficiencia IE 3*, tensión de alimentación trifásica 230/400V 50Hz hasta tamaño motor 112, y 400/690V 50Hz para motores de mayor dimensión. Protección IP55, Clase F.

* Entre 75 y 200kW, los motores suministrados serán IE4.

**Bajo pedido**
- Fabricación en diferentes materiales constructivos.
- Motores de 2 velocidades.
- Versiones de 60 Hz.
- Pintura en diferentes RAL.
- Versión sin pie soporte (Motor-Brida, Sistema 5), hasta tamaño de motor 160.
- Versión para alta temperatura: hasta 220ºC (versiones B: con rodete de refrigeración).
- SISTEMA 8: acoplamiento mediante junta elástica.
- Trampilla de inspección, purga de drenaje, distintos tipos de estanqueidad a nivel de voluta y de paso de eje.
- Ventiladores estancos.
- Calorifugado.

**Versiones ATEX**
Bajo pedido, versiones antiexplosivas según la Directiva ATEX para modelos trifásicos: Para trabajar a temperaturas de -20ºC a +60ºC, presión ambiente (absoluta) de 0,8 bar hasta 1,1 bar, según EN 14986.
- Gas:
  - Ex 2G IIB T2-T3-T4*
  - Ex 2G IIB+H2 T2-T3-T4*
  - Ex 3G IIB T2-T3-T4*
  - Ex 3G IIB+H2 T2-T3-T4*
- Polvo no conductivo:
  - Ex 2D IIIB T125°C*-T135°C*-T195°C-T295°C
  - Ex 3D IIIB T125°C*-T135°C*-T195°C-T295°C
- Polvo conductivo (con motor IP65 IIIC):
  - Ex 2D IIIC T125°C*-T135°C*-T195°C-T295°C
  - Ex 3D IIIC T125°C*-T135°C*-T195°C-T295°C

*Viabilidad técnica solicitada.

## CARACTERÍSTICAS TÉCNICAS

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación

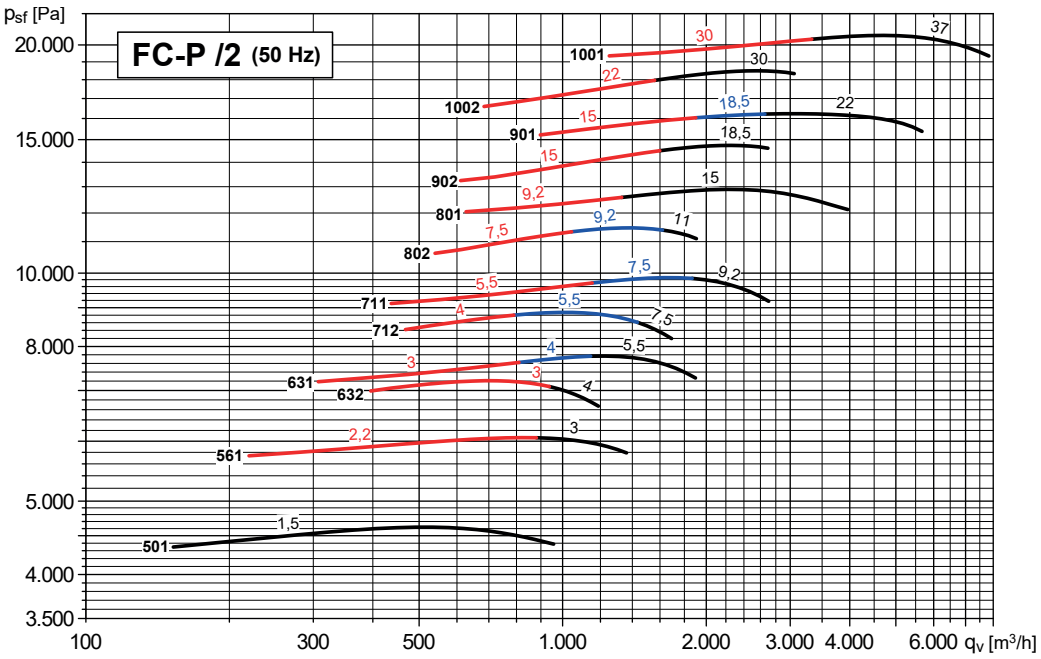
| Modelo | Tamaño motor | Velocidad (r.p.m.) | Potencia motor (kW) | Intensidad motor 400V (A) | Caudal máximo ($m^3/h$) | Nivel presión sonora a 1 m (dB(A))[1] | Peso (kg)[2] | Momento de inercia ($kg \cdot m^2$)[3] |
|---|---|---|---|---|---|---|---|---|
| 2 POLOS | | | | | | | | |
| FC 501/2 P4A | 90S2 | 2840 | 1,5 | 3,07 | 960 | 76 | 67 | 0,30 |
| FC 561/2 P4A | 90L2 | 2850 | 2,2 | 4,43 | 820 | 76 | 101 | 0,45 |
| FC 561/2 P4A | 100LA2 | 2900 | 3,0 | 5,77 | 1.360 | 78 | 110 | 0,45 |
| FC 632/2 P4A | 100LA2 | 2900 | 3,0 | 5,77 | 900 | 79 | 129 | 0,63 |
| FC 632/2 P4A | 112M2 | 2910 | 4,0 | 7,50 | 1.200 | 79 | 134 | 0,63 |
| FC 631/2 P4A | 100LA2 | 2900 | 3,0 | 5,77 | 810 | 80 | 132 | 0,78 |
| FC 631/2 P4A | 112M2 | 2910 | 4,0 | 7,50 | 1.150 | 80 | 137 | 0,78 |
| FC 631/2 P4A | 132SA2 | 2890 | 5,5 | 10,10 | 1.900 | 84 | 151 | 0,78 |
| FC 712/2 P4A | 112M2 | 2910 | 4,0 | 7,50 | 790 | 81 | 164 | 1,23 |
| FC 712/2 P4A | 132SA2 | 2890 | 5,5 | 10,10 | 1.430 | 85 | 177 | 1,23 |
| FC 712/2 P4A | 132SB2 | 2890 | 7,5 | 13,90 | 1.690 | 85 | 183 | 1,23 |
| FC 711/2 P4A | 132SA2 | 2890 | 5,5 | 10,10 | 1.150 | 85 | 181 | 1,48 |
| FC 711/2 P4A | 132SB2 | 2890 | 7,5 | 13,90 | 1.750 | 85 | 187 | 1,48 |
| FC 711/2 P4A | 132MB2 | 2900 | 9,2 | 16,60 | 2.710 | 85 | 196 | 1,48 |
| FC 802/2 P4A | 132SB2 | 2890 | 7,5 | 13,90 | 1.040 | 86 | 221 | 1,85 |
| FC 802/2 P4A | 132MB2 | 2900 | 9,2 | 16,60 | 1.620 | 86 | 229 | 1,85 |
| FC 802/2 P4A | 160MR2 | 2930 | 11,0 | 18,70 | 1.910 | 87 | 253 | 1,85 |
| FC 801/2 P4A | 132MB2 | 2900 | 9,2 | 16,60 | 1.330 | 87 | 234 | 2,58 |
| FC 801/2 P4A | 160M2 | 2935 | 15,0 | 25,40 | 3.960 | 87 | 258 | 2,58 |
| FC 902/2 P4A | 160M2 | 2935 | 15,0 | 25,40 | 2.700 | 88 | 366 | 3,20 |
| FC 902/2 P4A | 160L2 | 2935 | 18,5 | 33,30 | 1.600 | 88 | 377 | 3,20 |
| FC 901/2 P4A | 160M2 | 2935 | 15,0 | 25,40 | 1.900 | 89 | 372 | 3,80 |
| FC 901/2 P4A | 160L2 | 2935 | 18,5 | 33,30 | 2.660 | 89 | 383 | 3,80 |
| FC 901/2 P4A | 180M2 | 2940 | 22,0 | 39,00 | 5.670 | 89 | 405 | 3,80 |
| FC 1002/2 P4A | 180M2 | 2940 | 22,0 | 39,00 | 1.560 | 90 | 450 | 4,80 |
| FC 1002/2 P4A | 200L2 | 2960 | 30,0 | 53,50 | 3.060 | 90 | 555 | 4,80 |
| FC 1001/2 P4A | 200L2 | 2960 | 30,0 | 53,50 | 2.980 | 91 | 575 | 5,80 |
| FC 1001/2 P4A | 200L2 | 2960 | 37,0 | 65,60 | 7.830 | 91 | 585 | 5,80 |

1 Entubado en la descarga
Tolerancia del nivel de ruido de +3dB/A, medido en el punto de máxima eficiencia
2 Con motor incluido y para orientación LG270 o RD270
3 Momento de inercia del rodete

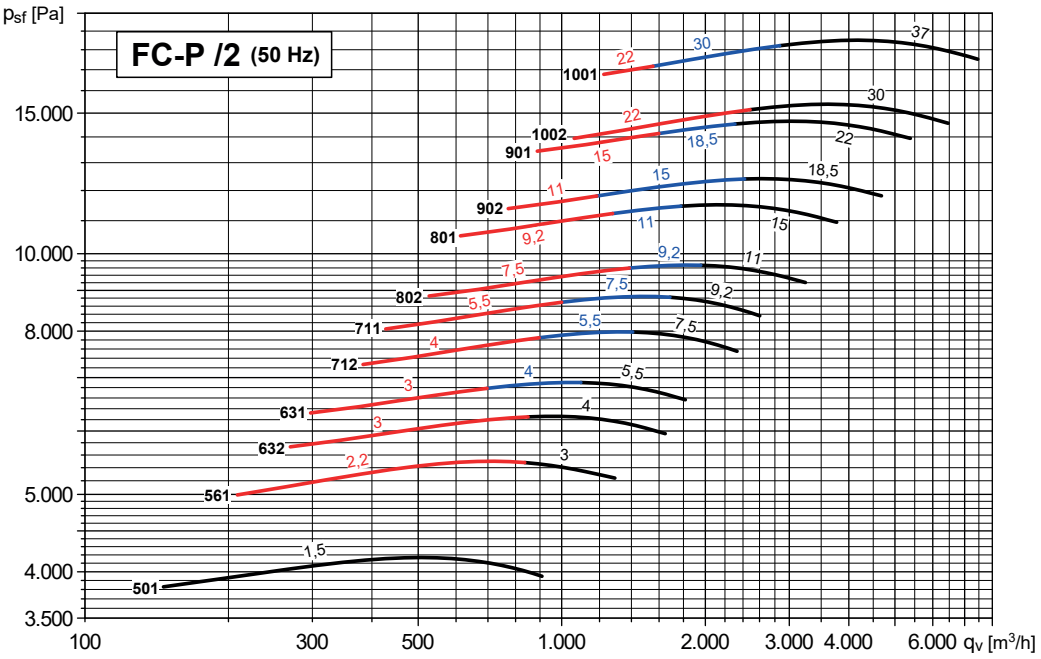
## CURVAS CARACTERÍSTICAS (a la descarga/ a la aspiración)

- Caudal en $m^3/h$
- **Psf: Presión estática en Pa**
- Modelo - Potencia motor en kW
- Ejemplo: 901 - 15, 18,5 o 22
  Modelo - kW

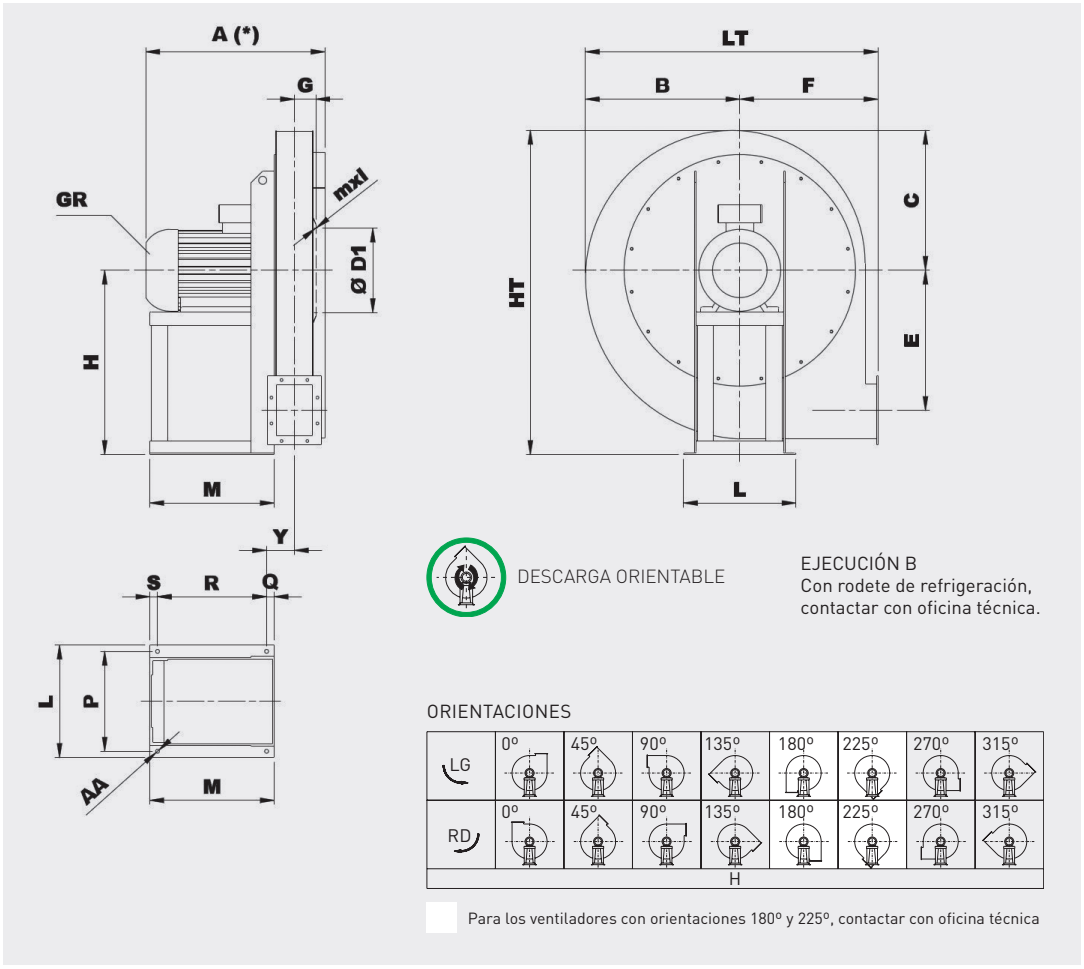
2 polos - Descarga - Modelos desde 501 hasta 1001




2 polos - Aspiración - Modelos desde 501 hasta 1001



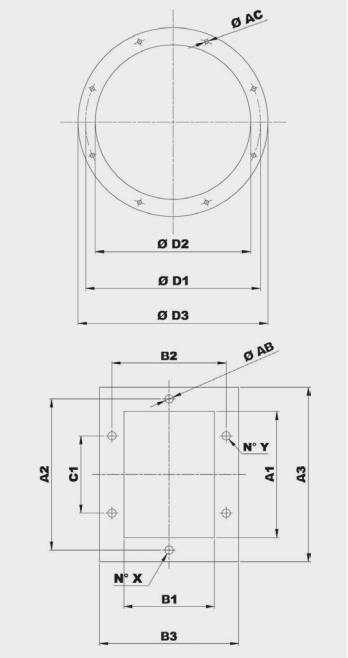
## DIMENSIONES (mm)




| Modelo | | | | | | | | | | | | | Base | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Motor GR | A* | B | C | ØD1 | E | F | G | H | HT | mxl | Y | LT | L | P | M | Q | R | S | ØAA |
| FC 501/2 P4A | 90S2 | 395 | 380 | 350 | 182 | 347 | 335 | 46 | 450 | 800 | M6x20 | 102 | 715 | 260 | 234 | 260 | 60 | 183 | 17 | 10 |
| FC 561/2 P4A | 90L2 | 420 | 430 | 390 | 200 | 393 | 375 | 50 | 500 | 890 | M6x20 | 107 | 805 | 260 | 234 | 260 | 60 | 183 | 17 | 10 |
| FC 561/2 P4A | 100LA2 | 460 | 430 | 390 | 200 | 393 | 375 | 50 | 500 | 890 | M6x20 | 70 | 805 | 324 | 289 | 295 | 23 | 249 | 23 | 12 |
| FC 631/2 P4A | 132SA2 | 550 | 485 | 440 | 219 | 443 | 425 | 56 | 560 | 1000 | M6x20 | 76 | 910 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| FC 631/2 P4A | 100LA2 | 490 | 485 | 440 | 219 | 443 | 425 | 56 | 560 | 1000 | M6x20 | 76 | 910 | 324 | 289 | 295 | 23 | 249 | 23 | 12 |
| FC 631/2 P4A | 112M2 | 530 | 485 | 440 | 219 | 443 | 425 | 56 | 560 | 1000 | M6x20 | 76 | 910 | 324 | 289 | 310 | 23 | 264 | 23 | 12 |
| FC 632/2 P4A | 100LA2 | 490 | 485 | 440 | 219 | 443 | 425 | 56 | 560 | 1000 | M6x20 | 76 | 910 | 324 | 289 | 295 | 23 | 249 | 23 | 12 |
| FC 632/2 P4A | 112M2 | 530 | 485 | 440 | 219 | 443 | 425 | 56 | 560 | 1000 | M6x20 | 76 | 910 | 324 | 289 | 310 | 23 | 264 | 23 | 12 |
| FC 711/2 P4A | 132MB2 | 630 | 540 | 490 | 241 | 497 | 475 | 60 | 630 | 1120 | M6x20 | 81 | 1015 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| FC 711/2 P4A | 132SA2 | 630 | 540 | 490 | 241 | 497 | 475 | 60 | 630 | 1120 | M6x20 | 81 | 1015 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| FC 711/2 P4A | 132SB2 | 630 | 540 | 490 | 241 | 497 | 475 | 60 | 630 | 1120 | M6x20 | 81 | 1015 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| FC 712/2 P4A | 132SA2 | 630 | 540 | 490 | 241 | 497 | 475 | 60 | 630 | 1120 | M6x20 | 81 | 1015 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| FC 712/2 P4A | 132SB2 | 630 | 540 | 490 | 241 | 497 | 475 | 60 | 630 | 1120 | M6x20 | 81 | 1015 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| FC 712/2 P4A | 112M2 | 570 | 540 | 490 | 241 | 497 | 475 | 60 | 630 | 1120 | M6x20 | 81 | 1015 | 324 | 289 | 310 | 23 | 264 | 23 | 12 |
| FC 801/2 P4A | 132MB2 | 640 | 610 | 550 | 265 | 560 | 530 | 68 | 710 | 1260 | M6x20 | 87 | 1140 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| FC 801/2 P4A | 160M2 | 725 | 610 | 550 | 265 | 560 | 530 | 68 | 710 | 1260 | M6x20 | 92 | 1140 | 440 | 395 | 470 | 28 | 414 | 28 | 14 |
| FC 801/2 P4A | 160MR2 | 725 | 610 | 550 | 265 | 560 | 530 | 68 | 710 | 1260 | M6x20 | 92 | 1140 | 440 | 395 | 470 | 28 | 414 | 28 | 14 |
| FC 802/2 P4A | 132MB2 | 640 | 610 | 550 | 265 | 560 | 530 | 68 | 710 | 1260 | M6x20 | 87 | 1140 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| FC 802/2 P4A | 160MR2 | 725 | 610 | 550 | 265 | 560 | 530 | 68 | 710 | 1260 | M6x20 | 92 | 1140 | 440 | 395 | 470 | 28 | 414 | 28 | 14 |
| FC 802/2 P4A | 132SB2 | 640 | 610 | 550 | 265 | 560 | 530 | 68 | 710 | 1260 | M6x20 | 87 | 1140 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| FC 901/2 P4A | 160L2 | 735 | 685 | 620 | 292 | 631 | 600 | 74 | 800 | 1420 | M8x25 | 100 | 1285 | 440 | 395 | 470 | 28 | 414 | 28 | 14 |
| FC 901/2 P4A | 180M2 | 780 | 685 | 620 | 292 | 631 | 600 | 74 | 800 | 1420 | M8x25 | 105 | 1285 | 488 | 434 | 540 | 33 | 474 | 33 | 17 |
| FC 901/2 P4A | 200L2 | 848 | 685 | 620 | 292 | 631 | 600 | 74 | 800 | 1420 | M8x25 | 151 | 1285 | 568 | 506 | 552 | 80 | 433 | 39 | 19 |
| FC 901/2 P4A | 160M2 | 735 | 685 | 620 | 292 | 631 | 600 | 74 | 800 | 1420 | M8x25 | 100 | 1285 | 440 | 395 | 470 | 28 | 414 | 28 | 14 |
| FC 902/2 P4A | 160L2 | 735 | 685 | 620 | 292 | 631 | 600 | 74 | 800 | 1420 | M8x25 | 100 | 1285 | 440 | 395 | 470 | 28 | 414 | 28 | 14 |
| FC 902/2 P4A | 160M2 | 735 | 685 | 620 | 292 | 631 | 600 | 74 | 800 | 1420 | M8x25 | 100 | 1285 | 440 | 395 | 470 | 28 | 414 | 28 | 14 |
| FC 902/2 P4A | 160MR2 | 735 | 685 | 620 | 292 | 631 | 600 | 74 | 800 | 1420 | M8x25 | 100 | 1285 | 440 | 395 | 470 | 28 | 414 | 28 | 14 |
| FC 1001/2 P4A | 180M2 | 800 | 760 | 690 | 332 | 707 | 670 | 85 | 900 | 1590 | M8x25 | 116 | 1430 | 488 | 434 | 540 | 33 | 474 | 33 | 17 |
| FC 1001/2 P4A | 200L2 | 925 | 760 | 690 | 332 | 707 | 670 | 85 | 900 | 1590 | M8x25 | 163 | 1430 | 568 | 506 | 552 | 80 | 433 | 39 | 19 |
| FC 1001/2 P4A | 225M2 | 925 | 760 | 690 | 332 | 707 | 670 | 85 | 900 | 1590 | M8x25 | 163 | 1430 | 616 | 556 | 592 | 80 | 473 | 39 | 19 |
| FC 1002/2 P4A | 180M2 | 800 | 760 | 690 | 332 | 707 | 670 | 85 | 900 | 1590 | M8x25 | 116 | 1430 | 488 | 434 | 540 | 33 | 474 | 33 | 17 |
| FC 1002/2 P4A | 200L2 | 925 | 760 | 690 | 332 | 707 | 670 | 85 | 900 | 1590 | M8x25 | 163 | 1430 | 568 | 506 | 552 | 80 | 433 | 39 | 19 |

* Según tamaño motor

## DIMENSIONES (mm)




Brida aspiración

| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 501 | 140 | 182 | 144 | 214 | 8 | 8 |
| 561 | 160 | 200 | 164 | 234 | 8 | 8 |
| 631 | 180 | 219 | 184 | 254 | 8 | 8 |
| 711 | 200 | 241 | 204 | 274 | 8 | 8 |
| 801 | 224 | 265 | 228 | 298 | 8 | 8 |
| 901 | 250 | 292 | 254 | 324 | 10 | 8 |
| 1001 | 280 | 332 | 285 | 365 | 10 | 8 |

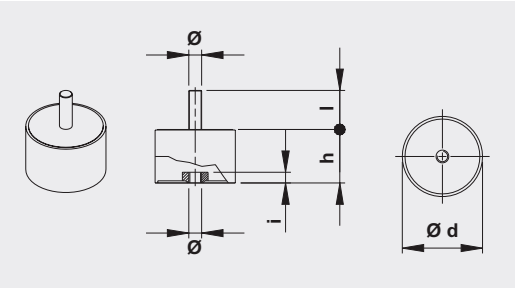
Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 501 | 100x71 | 105 | 76 | 139 | 110 | 165 | 136 | - | 10 | 1+1 | 1+1 |
| 561 | 112x80 | 117 | 85 | 151 | 119 | 177 | 145 | - | 10 | 1+1 | 1+1 |
| 631 | 125x90 | 131 | 95 | 165 | 129 | 191 | 155 | 100 | 10 | 1+1 | 2+2 |
| 711 | 140x100 | 146 | 105 | 182 | 139 | 216 | 175 | 112 | 12 | 1+1 | 2+2 |
| 801 | 160x112 | 164 | 117 | 200 | 151 | 234 | 187 | 112 | 12 | 1+1 | 2+2 |
| 901 | 180x125 | 183 | 131 | 219 | 165 | 253 | 201 | 112 | 12 | 1+1 | 2+2 |
| 1001 | 200x140 | 205 | 146 | 241 | 182 | 275 | 216 | 112 | 12 | 2+2 | 2+2 |

## AMORTIGUADORES

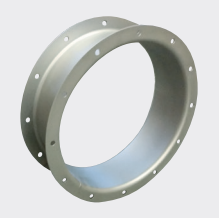
Amortiguadores recomendados

| Ventilador | Ejecución 4 |
|---|---|
| 501 | 4 x AM 25 - 25x20 |
| 561 | 4 x AM 30 - 30x30 |
| 631/2 | 4 x AM 30 - 30x30 |
| 711/2 | 4 x AM 40 - 40x30 |
| 801/2 | 4 x AM 50 - 50x40 |
| 901/2 | 4 x AM 75 - 75x50 |
| 1001/2 | 4 x AM 75 - 75x50 |

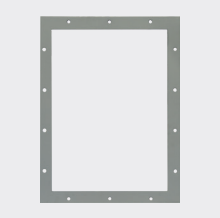



| Tipo | Carga para 4 soportes (kg) | d | h | Ø | l | Peso (kg) |
|---|---|---|---|---|---|---|
| AM 25 | 41÷80 | 25 | 20 | M6 | 18 | 0,03 |
| AM 30 | 81÷140 | 30 | 30 | M8 | 20 | 0,05 |
| AM 40 | 141÷224 | 40 | 30 | M8 | 23 | 0,10 |
| AM 50 | 225÷315 | 50 | 40 | M10 | 28 | 0,20 |
| AM 75 | 316÷630 | 75 | 50 | M12 | 37 | 0,50 |

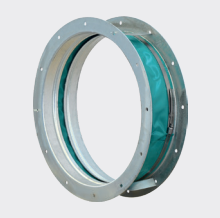
## ACCESORIOS



**CA (CFH1) - CFH2 - CFH3**
Contrabrida - Brida plana circular.



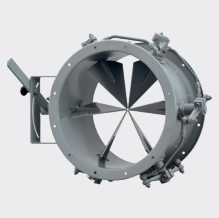
**CP**
Brida plana rectangular.



**GA**
Junta flexible aspiración.



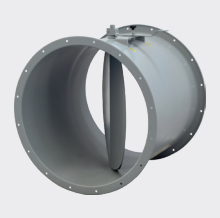
**GP**
Junta flexible descarga.



**DP**
Regulador de caudal de aspiración.



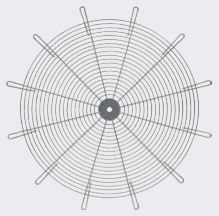
**SAD**
Compuerta de regulación de caudal de descarga.



**SF**
Vávula mariposa.



**DF**
Filtro en la aspiración.



**RC**
Rejilla de protección para la aspiración.



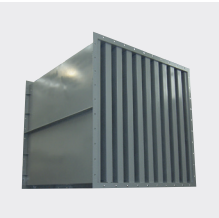
**AM/AZ**
Soportes antivibratorios.



**SCSO**
Silenciador cilíndrico.



**SCCO**
Silenciador cilíndrico con bulbo.



**SASS**
Silenciador rectangular.



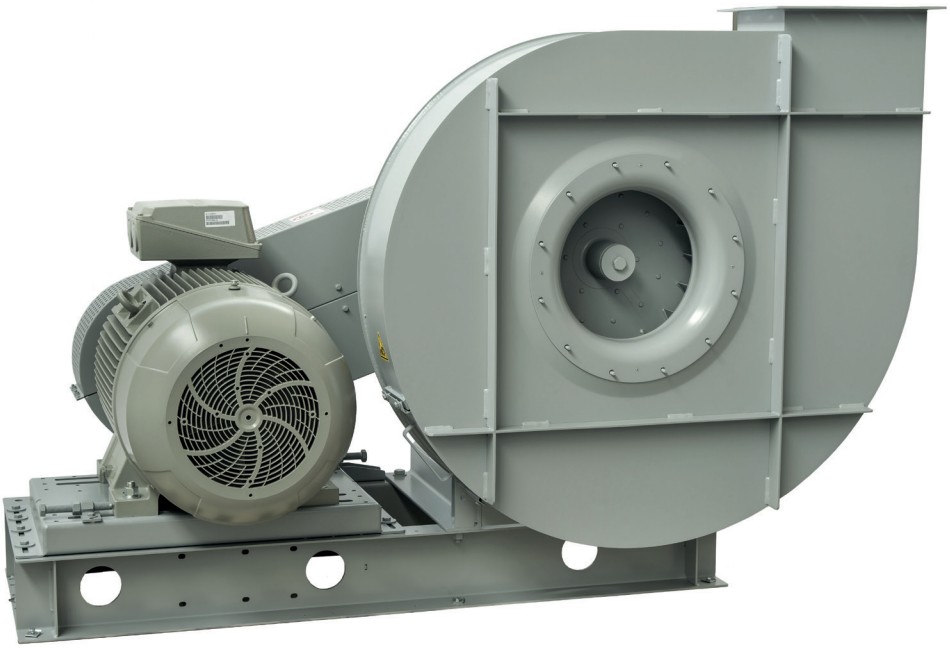
**CI**
Cabina de insonorización.

Ver información completa en página **772**.

# FC-P

## VENTILADORES CENTRÍFUGOS DE ALTA PRESIÓN

*TRANSMISIÓN*

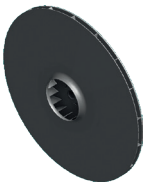


Ventilador centrífugo con accionamiento por poleas y correas y simple aspiración. Fabricados en chapa de acero protegida contra la corrosión mediante tratamiento por cataforesis + pintura poliuretana. Temperaturas del aire a transportar -20ºC/+100ºC en continuo.

APLICACIONES

**Aire a transportar**
Aire polvoriento

**Cantidad de polvo (mg/m$^3$)**
<5000



Rodete de álabes curvados hacia adelante

### Sistemas de montaje

- SISTEMA 1: eje libre, para acoplamiento mediante poleas y correas.
- SISTEMA 9: incluye motor, poleas, correas y protector de correas. Motor montado en el lateral del pie soporte rodamientos.
- SISTEMA 12: incluye motor, poleas, correas y protector de correas. Motor montado sobre la bancada general.

### Motores

De 2, 4 o 6 polos, de alta eficiencia IE 3* (las r.p.m. de cada motor se adaptarán al cálculo de cada transmisión), tensión de alimentación trifásica 230/400V 50Hz hasta tamaño motor 112 y 400/690V 50Hz para motores de mayor dimensión. Protección IP55, Clase F.

* Entre 75 y 200kW, los motores suministrados serán IE4.

### Bajo pedido

- Fabricación en diferentes materiales constructivos.
- Motores de 2 velocidades.
- Versiones de 60 Hz.
- Pintura en diferentes RAL.
- Versión para alta temperatura: hasta 300ºC (versiones B: con rodete de refrigeración).
- Trampilla de inspección, purga de drenaje, distintos tipos de estanqueidad a nivel de voluta y de paso de eje.
- Ventiladores estancos.
- Calorifugado.

### Versiones ATEX

Bajo pedido, versiones antiexplosivas según la Directiva ATEX para modelos trifásicos: Para trabajar a temperaturas de -20ºC a +60ºC, presión ambiente (absoluta) de 0,8 bar hasta 1,1 bar, según EN 14986.

- Gas:
  - Ex 2G IIB T2-T3
  - Ex 2G IIB+H2 T2-T3
  - Ex 3G IIB T2-T3
  - Ex 3G IIB+H2 T2-T3
- Polvo no conductivo:
  - Ex 2D IIIB T195°C-T295°C
  - Ex 3D IIIB T195°C-T295°C
- Polvo conductivo (con motor IP65 IIIC):
  - Ex 2D IIIC T195°C-T295°C
  - Ex 3D IIIC T195°C-T295°C

## CARACTERÍSTICAS TÉCNICAS

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación.

| Modelo | Caudal máximo ($m^3/h$) | Potencia motor máxima (kW) | Peso (kg)[1] | Momento de inercia ($kg \cdot m^2$)[2] |
|---|---|---|---|---|
| FC 501 P1A | 1.350 | 5,5 | 65 | 0,30 |
| FC 561 P1A | 1.880 | 9,2 | 81 | 0,40 |
| FC 631 P1A | 2.330 | 11,0 | 114 | 0,70 |
| FC 711 P1A | 3.320 | 18,5 | 152 | 1,40 |
| FC 801 P1A | 4.250 | 22,0 | 189 | 2,60 |
| FC 901 P1A | 6.080 | 37,0 | 278 | 3,90 |
| FC 1001 P1A | 7.410 | 45,0 | 410 | 5,80 |

[1] Para ejecución 1 y orientación LG270 o RD270
[2] Momento de inercia del rodete

SOPORTES SISTEMA 1

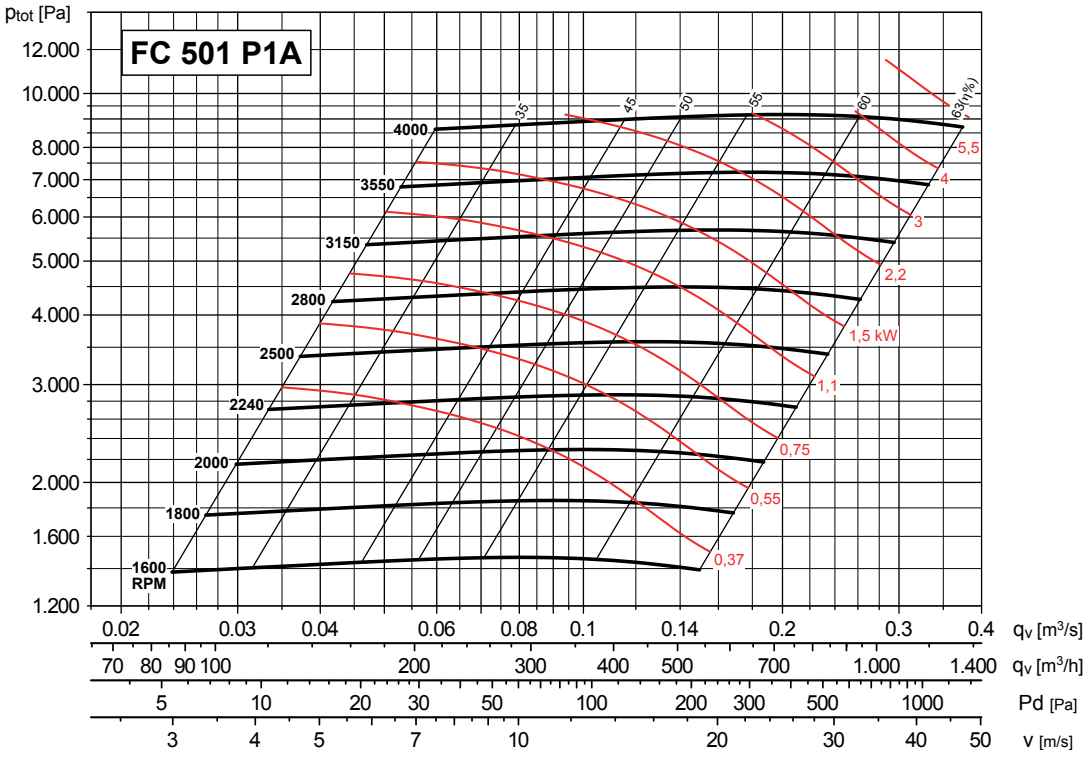
| Modelo | 501-561 | 631 | 711-801 | 901 | 1001 |
|---|---|---|---|---|---|
| Soporte tipo | ST 80 A28 | ST 90 A38 | ST 100 A42 | ST 110 B48 | ST 120 B48 |

MOTORES SISTEMA 9

| Modelo | 501-631 | 711-901 | 1001 |
|---|---|---|---|
| Tamaño motor | ≤ 132 M2 | ≤ 160 L2 | ≤ 180 L2-4 |

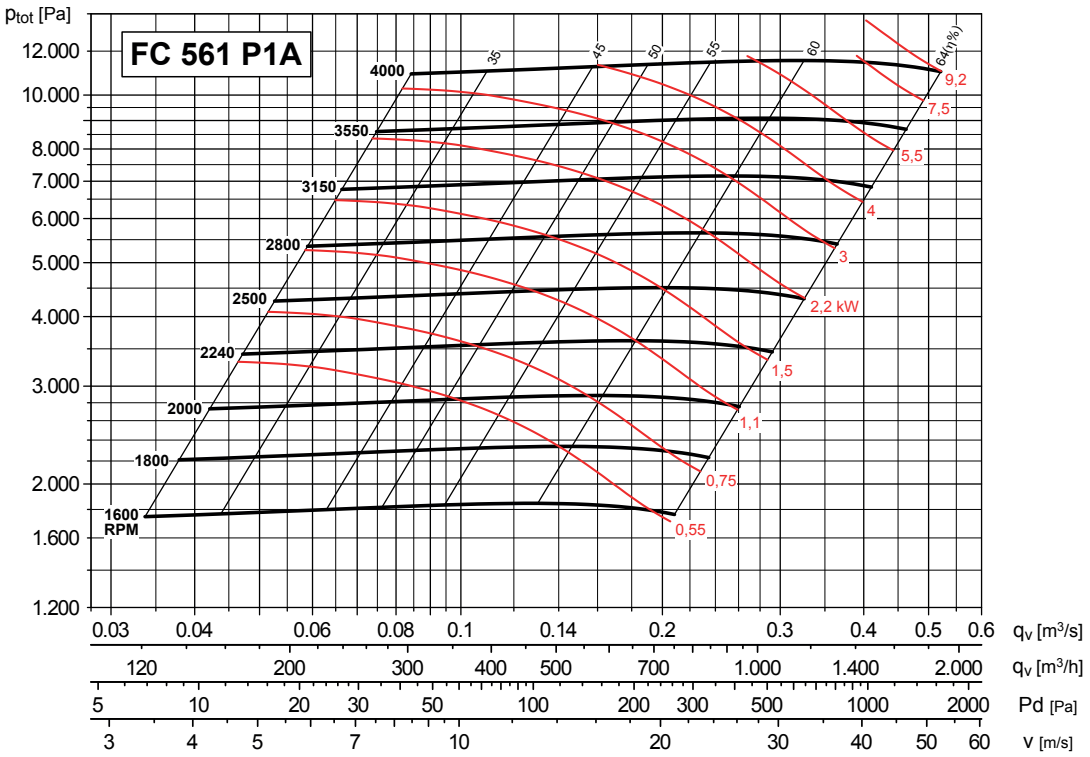
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 4000 rpm
101 ÷ 220°C = 3550 rpm
201 ÷ 300°C = 3150 rpm

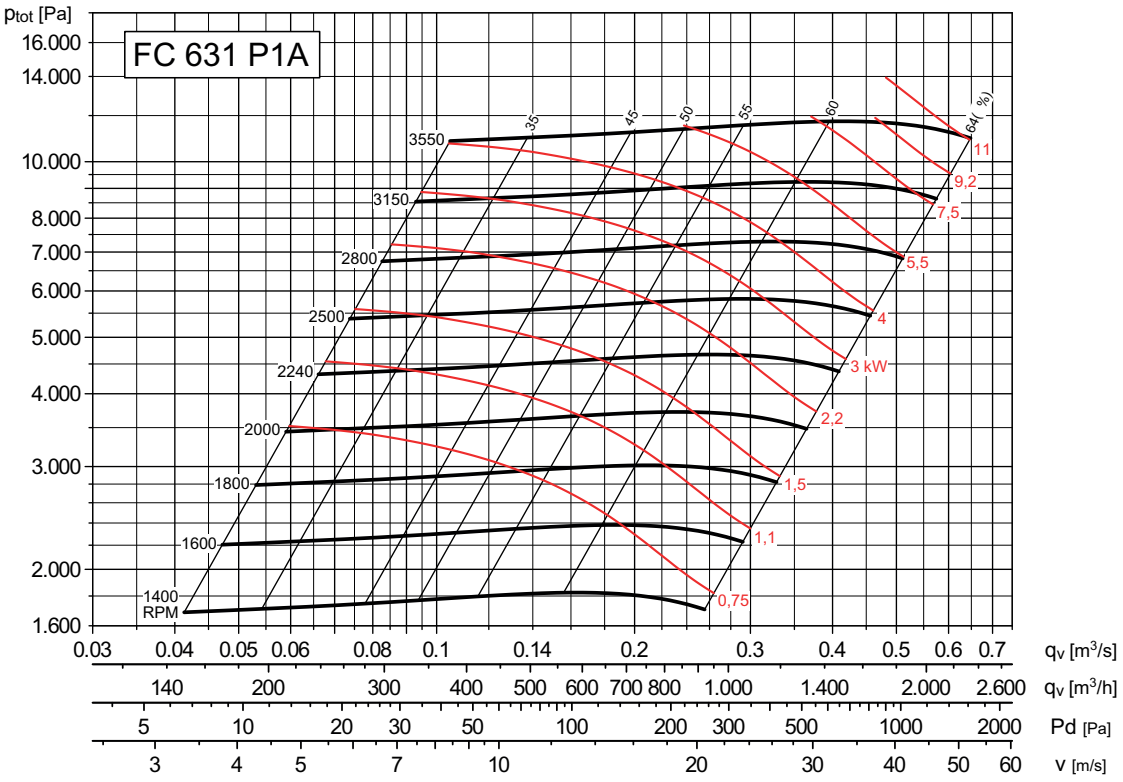



MAX. RPM

≤ 100°C = 3750 rpm
101 ÷ 220°C = 3350 rpm
201 ÷ 300°C = 3000 rpm

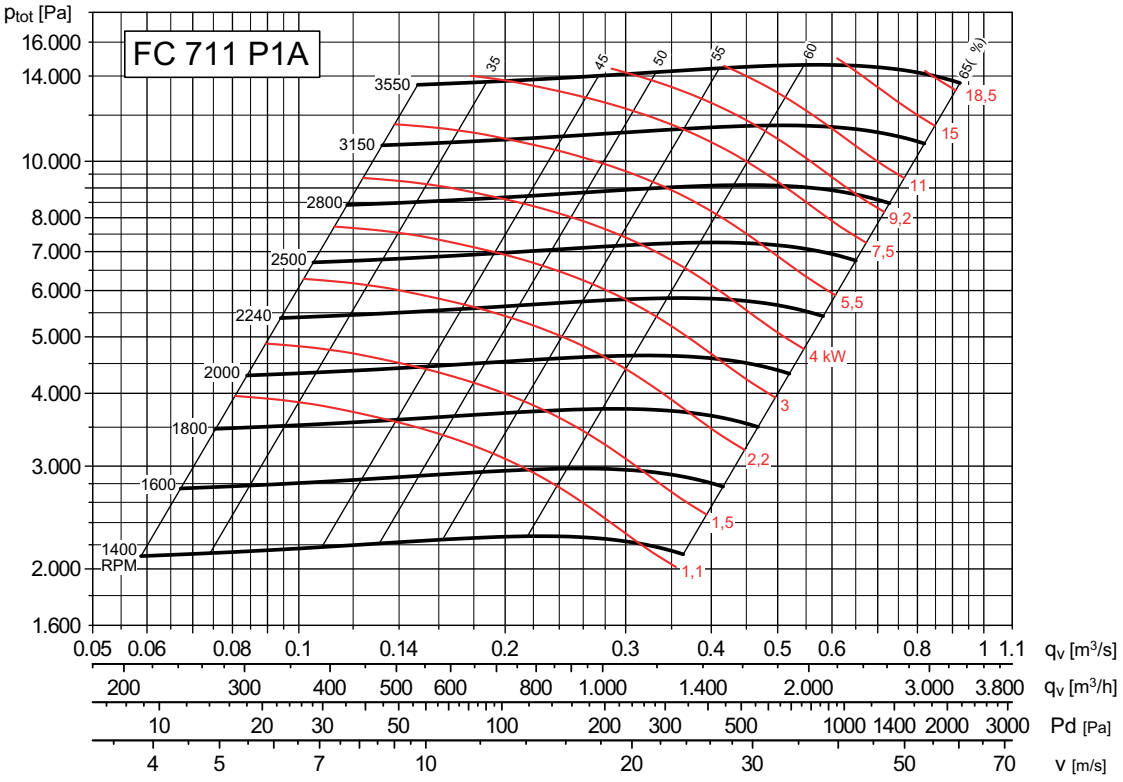
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 3550 rpm
101 ÷ 220°C = 3150 rpm
201 ÷ 300°C = 2800 rpm

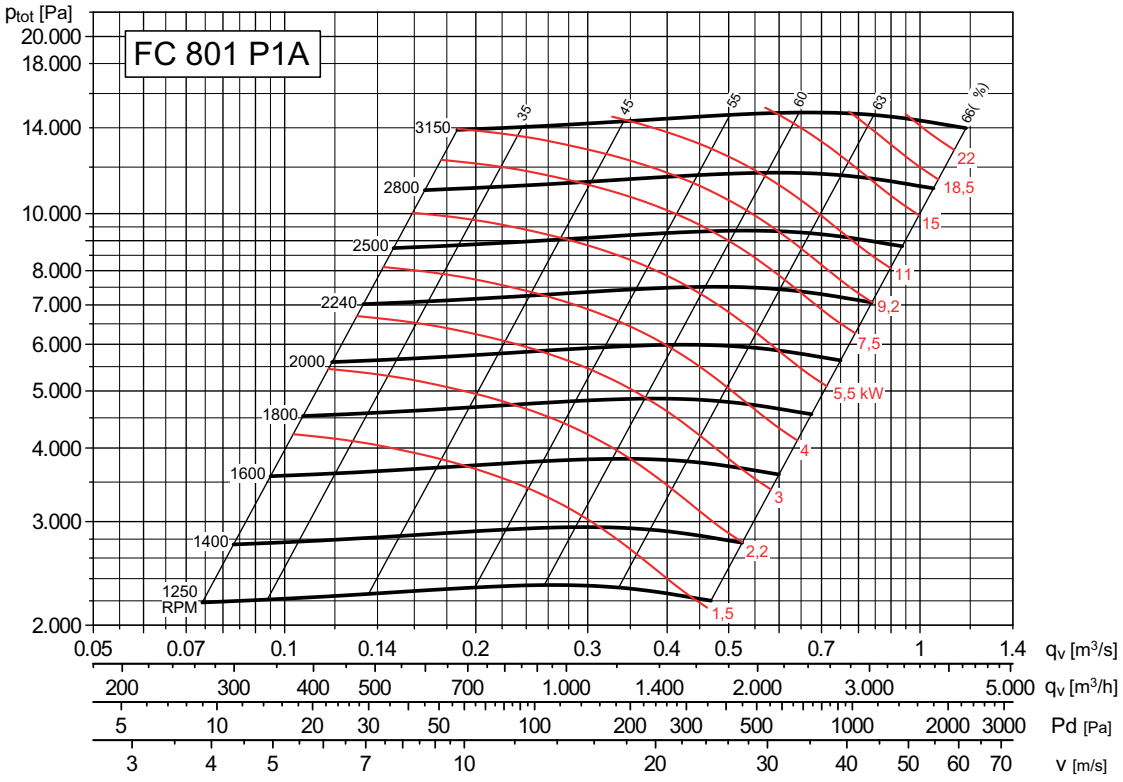



MAX. RPM

≤ 100°C = 3350 rpm
101 ÷ 220°C = 3000 rpm
201 ÷ 300°C = 2650 rpm

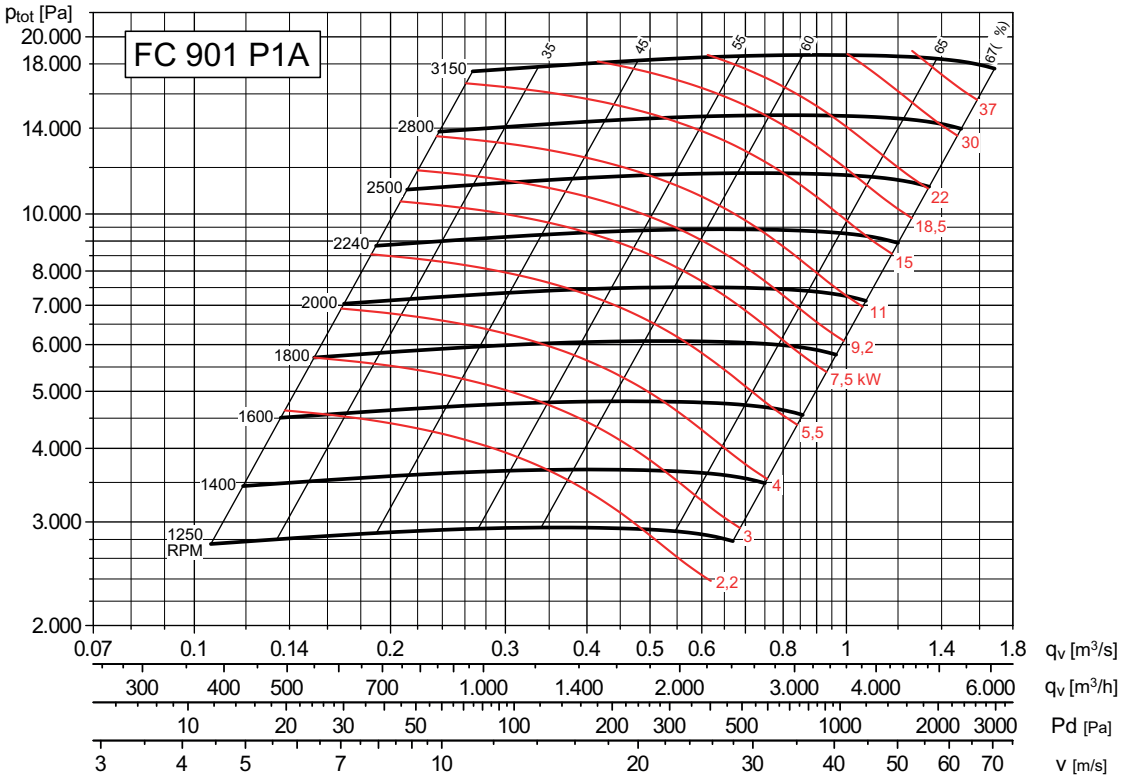
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 3150 rpm
101 ÷ 220°C = 2800 rpm
201 ÷ 300°C = 2500 rpm

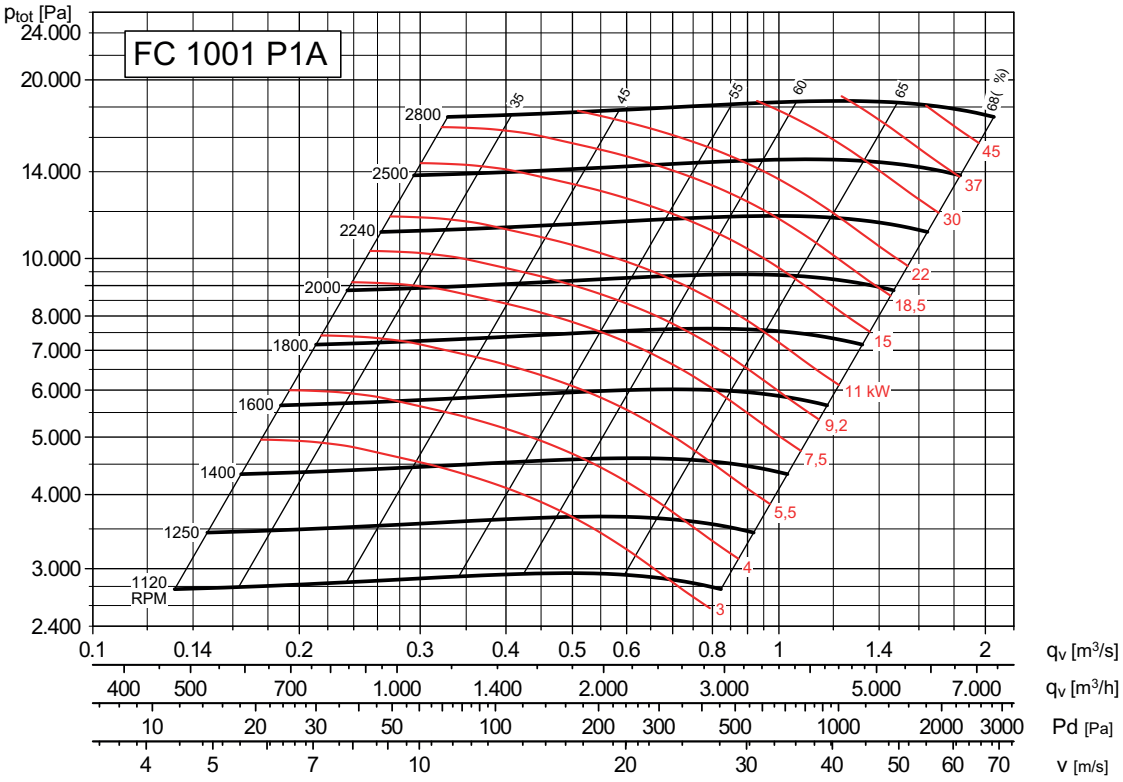



MAX. RPM

≤ 100°C = 3000 rpm
101 ÷ 220°C = 2650 rpm
201 ÷ 300°C = 2360 rpm

## CURVAS CARACTERÍSTICAS (a la descarga)

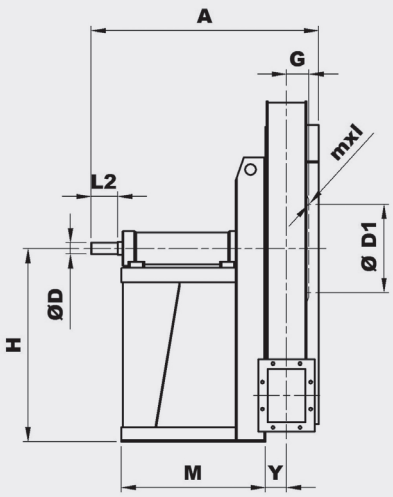
**– Ptot: Presión total en Pa**

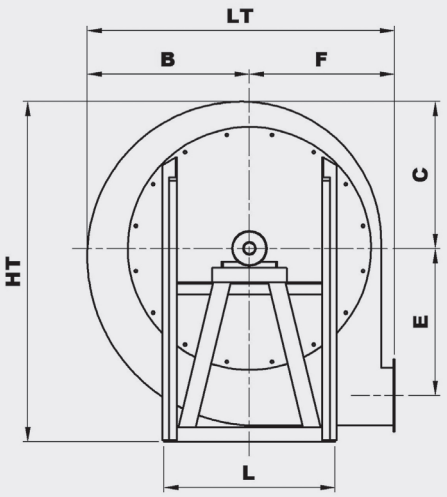


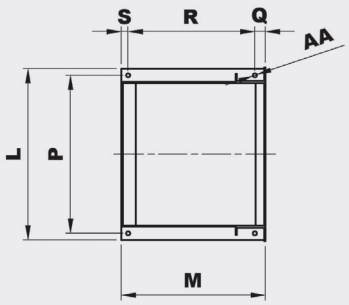

MAX. RPM

≤ 100°C = 2800 rpm
101 ÷ 220°C = 2500 rpm
201 ÷ 300°C = 2240 rpm

## DIMENSIONES (mm)



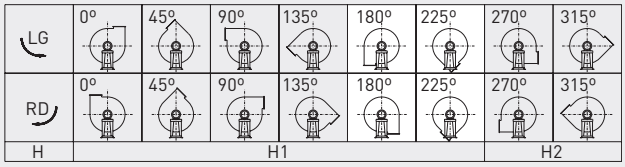




DESCARGA ORIENTABLE

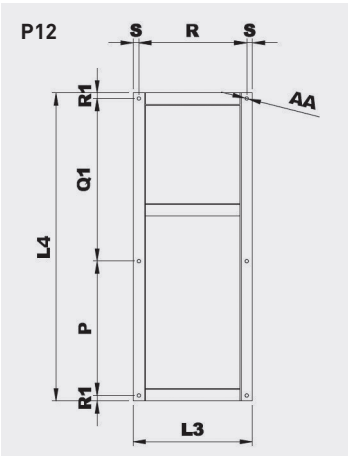
EJECUCIÓN B
Con rodete de refrigeración, contactar con oficina técnica.

ORIENTACIONES




Para estas orientaciones, contactar con oficina técnica

| Modelo | | | | | | | | | | | | | Eje | | Base | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | ØD1 | E | F | G | H | | HT | mxl | Y | LT | L2 | ØD | L | P | M | Q | R | S | ØAA |
| | | | | | | | | H1 | H2 | | | | | | | | | | | | | |
| FC 501 P1A | 665 | 380 | 350 | 182 | 347 | 335 | 46 | 450 | 450 | 800 | M6x20 | 42 | 715 | 60 | 28 | 400 | 355 | 475 | 35 | 417 | 23 | 14 |
| FC 561 P1A | 665 | 430 | 390 | 200 | 393 | 375 | 50 | 500 | 500 | 890 | M6x20 | 47 | 805 | 60 | 28 | 400 | 355 | 457 | 23 | 411 | 23 | 14 |
| FC 631 P1A | 715 | 485 | 440 | 219 | 443 | 425 | 56 | 560 | 560 | 1000 | M6x20 | 53 | 910 | 80 | 38 | 400 | 355 | 475 | 23 | 429 | 23 | 14 |
| FC 711 P1A | 865 | 540 | 490 | 241 | 497 | 475 | 60 | 530 | 630 | 1120 | M6x20 | 58 | 1015 | 110 | 42 | 588 | 534 | 588 | 41 | 519 | 28 | 17 |
| FC 801 P1A | 875 | 610 | 550 | 265 | 560 | 530 | 68 | 600 | 710 | 1260 | M6x20 | 64 | 1140 | 110 | 42 | 628 | 574 | 583 | 36 | 519 | 28 | 17 |
| FC 901 P1A | 900 | 685 | 620 | 292 | 631 | 600 | 74 | 670 | 800 | 1420 | M8x25 | 72 | 1285 | 110 | 48 | 708 | 654 | 580 | 28 | 524 | 28 | 17 |
| FC 1001 P1A | 980 | 760 | 690 | 332 | 707 | 670 | 85 | 750 | 900 | 1590 | M8x25 | 83 | 1430 | 110 | 48 | 826 | 762 | 642 | 33 | 576 | 33 | 19 |

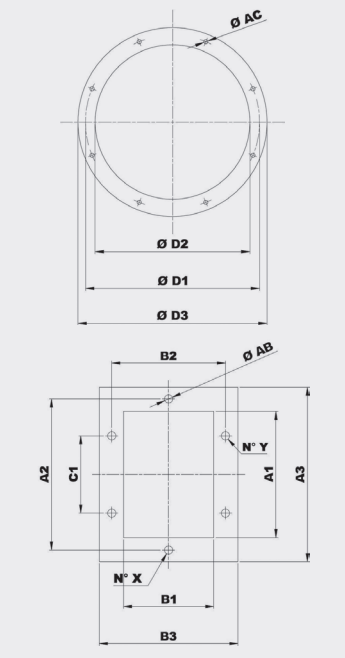



Bancada ejecución 12

| Modelo | P | L3 | L4 | Q1 | R | R1 | S | ØAA | Peso (kg) |
|---|---|---|---|---|---|---|---|---|---|
| 501 P12A | 355 | 463 | 1060 | 660 | 417 | 22,5 | 23 | 14 | 21 |
| 561 P12A | 355 | 457 | 1120 | 720 | 411 | 22,5 | 23 | 14 | 21 |
| 631 P12A | 355 | 475 | 1180 | 780 | 429 | 22,5 | 23 | 14 | 23 |
| 711 P12A | 534 | 575 | 1250 | 662 | 519 | 27 | 28 | 17 | 32 |
| 801 P12A | 574 | 575 | 1400 | 772 | 519 | 27 | 28 | 17 | 35 |
| 901 P12A | 654 | 580 | 1500* | 792* | 524 | 27 | 28 | 17 | 45 |
| 1001 P12A | 762 | 642 | 1700** | 874** | 576 | 32 | 33 | 19 | 60 |

* Para motores de talla 250-280, esta cota aumenta en 150 mm
**Para motores de talla 250-280, esta cota aumenta en 100 mm

## DIMENSIONES (mm)




Brida aspiración

| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 501 | 140 | 182 | 144 | 214 | 8 | 8 |
| 561 | 160 | 200 | 164 | 234 | 8 | 8 |
| 631 | 180 | 219 | 184 | 254 | 8 | 8 |
| 711 | 200 | 241 | 204 | 274 | 8 | 8 |
| 801 | 224 | 265 | 228 | 298 | 8 | 8 |
| 901 | 250 | 292 | 254 | 324 | 10 | 8 |
| 1001 | 280 | 332 | 285 | 365 | 10 | 8 |

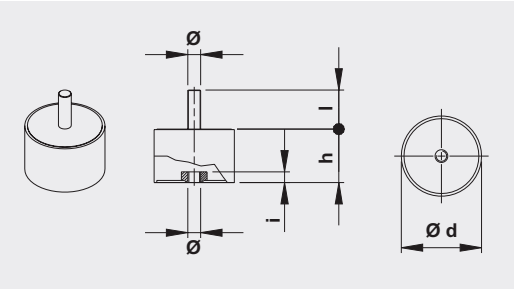
Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 501 | 100x71 | 105 | 76 | 139 | 110 | 165 | 136 | - | 10 | 1+1 | 1+1 |
| 561 | 112x80 | 117 | 85 | 151 | 119 | 177 | 145 | - | 10 | 1+1 | 1+1 |
| 631 | 125x90 | 131 | 95 | 165 | 129 | 191 | 155 | 100 | 10 | 1+1 | 2+2 |
| 711 | 140x100 | 146 | 105 | 182 | 139 | 216 | 175 | 112 | 12 | 1+1 | 2+2 |
| 801 | 160x112 | 164 | 117 | 200 | 151 | 234 | 187 | 112 | 12 | 1+1 | 2+2 |
| 901 | 180x125 | 183 | 131 | 219 | 165 | 253 | 201 | 112 | 12 | 1+1 | 2+2 |
| 1001 | 200x140 | 205 | 146 | 241 | 182 | 275 | 216 | 112 | 12 | 2+2 | 2+2 |

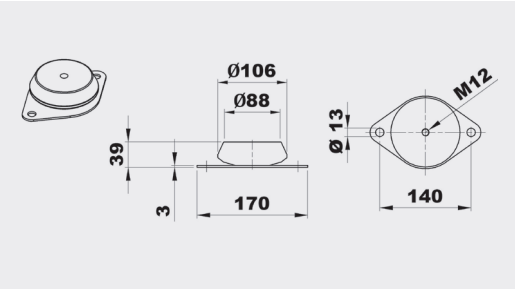
## AMORTIGUADORES

Amortiguadores recomendados

| Ventilador | Ejecución 9 | Ejecución 12 |
|---|---|---|
| 501 | 4 x AM 30 - 30x30 | 4 x AM 40 - 40x30 |
| 561 | 4 x AM 30 - 30x30 | 4 x AM 40 - 40x30 |
| 631/2 | 4 x AM 40 - 40x30 | 4 x AM 50 - 50x40 |
| 711/2 | 4 x AM 50 - 50x40 | 4 x AM 50 - 50x30 |
| 801/2 | 4 x AM 50 - 50x40 | 4 x AM 75 - 75x50 |
| 901/2 | 4 x AM 75 - 75x50 | 4 x AM 75 - 75x50 |
| 1001/2 | 4 x AM 75 - 75x50 | 4 x AZ 39 - 140x39 |

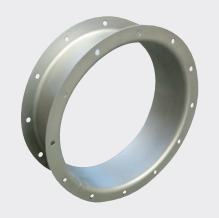



| Tipo | Carga para 4 soportes (kg) | d | h | Ø | l | Peso (kg) |
|---|---|---|---|---|---|---|
| AM 30 | 81÷140 | 30 | 30 | M8 | 20 | 0,05 |
| AM 40 | 141÷224 | 40 | 30 | M8 | 23 | 0,10 |
| AM 50 | 225÷315 | 50 | 40 | M10 | 28 | 0,20 |
| AM 75 | 316÷630 | 75 | 50 | M12 | 37 | 0,50 |

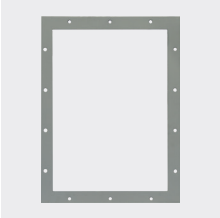



| Tipo | Carga para 4 soportes (kg) | Peso (kg) |
|---|---|---|
| AZ 39 | 631÷1250 | 0,7 |

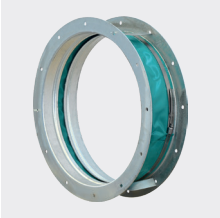
## ACCESORIOS



**CA (CFH1) - CFH2 - CFH3**
Contrabrida - Brida plana circular.



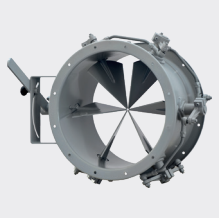
**CP**
Brida plana rectangular.



**GA**
Junta flexible aspiración.



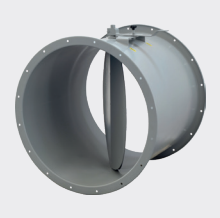
**GP**
Junta flexible descarga.



**DP**
Regulador de caudal de aspiración.



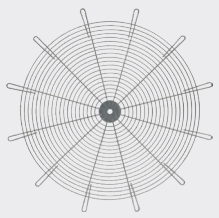
**SAD**
Compuerta de regulación de caudal de descarga.



**SF**
Vávula mariposa.



**DF**
Filtro en la aspiración.



**RC**
Rejilla de protección para la aspiración.



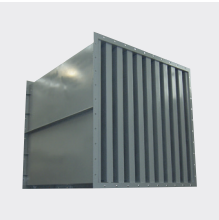
**AM/AZ**
Soportes antivibratorios.



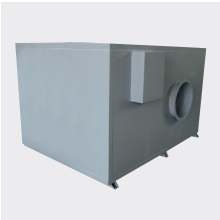
**SCSO**
Silenciador cilíndrico.



**SCCO**
Silenciador cilíndrico con bulbo.



**SASS**
Silenciador rectangular.



**CI**
Cabina de insonorización.

Ver información completa en página **772**.

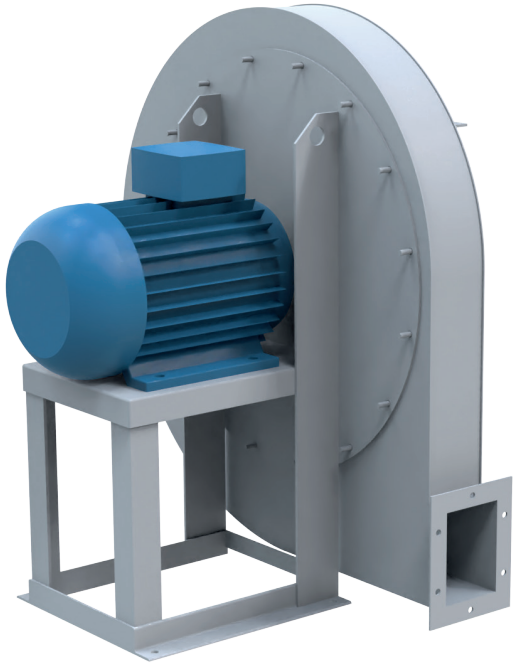
# FE-P

## VENTILADORES CENTRÍFUGOS DE ALTA PRESIÓN

*ACOPLAMIENTO DIRECTO*



Ventilador centrífugo de acoplamiento directo y simple aspiración. Fabricados en chapa de acero protegida contra la corrosión mediante tratamiento por cataforesis + pintura poliuretana. Temperaturas del aire a transportar -20ºC/+100ºC en continuo.



APLICACIONES

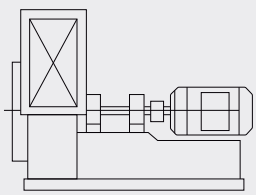
**Aire a transportar**
Muy polvoriento

**Cantidad de polvo (mg/m³)**
<5000



Rodete álabes curvados hacia adelante

**SISTEMA 8:** acoplamiento mediante junta elástica.



Disponible bajo pedido

**Motores**
De 2 polos, de alta eficiencia IE 3*, tensión de alimentación trifásica 230/400V 50Hz hasta tamaño motor 112 y 400/690V 50Hz para motores de mayor dimensión. Protección IP55, Clase F.

* Entre 75 y 200kW, los motores suministrados serán IE4.

**Bajo pedido**
- Fabricación en diferentes materiales constructivos.
- Motores de 2 velocidades.
- Versiones de 60 Hz.
- Pintura en diferentes RAL.
- Versión sin pie soporte (Motor-Brida, Sistema 5), hasta tamaño de motor 160.
- Versión para alta temperatura: hasta 220ºC (versiones B: con rodete de refrigeración).
- SISTEMA 8: acoplamiento mediante junta elástica.
- Trampilla de inspección, purga de drenaje, distintos tipos de estanqueidad a nivel de voluta y de paso de eje.
- Ventiladores estancos.
- Calorifugado.

**Versiones ATEX**
Bajo pedido, versiones antiexplosivas según la Directiva ATEX para modelos trifásicos: Para trabajar a temperaturas de -20ºC a +60ºC, presión ambiente (absoluta) de 0,8 bar hasta 1,1 bar, según EN 14986.
- Gas:
  - Ex 2G IIB T2-T3-T4*
  - Ex 2G IIB+H2 T2-T3-T4*
  - Ex 3G IIB T2-T3-T4*
  - Ex 3G IIB+H2 T2-T3-T4*
- Polvo no conductivo:
  - Ex 2D IIIB T125°C*-T135°C*-T195°C-T295°C
  - Ex 3D IIIB T125°C*-T135°C*-T195°C-T295°C
- Polvo conductivo (con motor IP65 IIIC):
  - Ex 2D IIIC T125°C*-T135°C*-T195°C-T295°C
  - Ex 3D IIIC T125°C*-T135°C*-T195°C-T295°C

* Viabilidad técnica solicitada.

## CARACTERÍSTICAS TÉCNICAS

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación

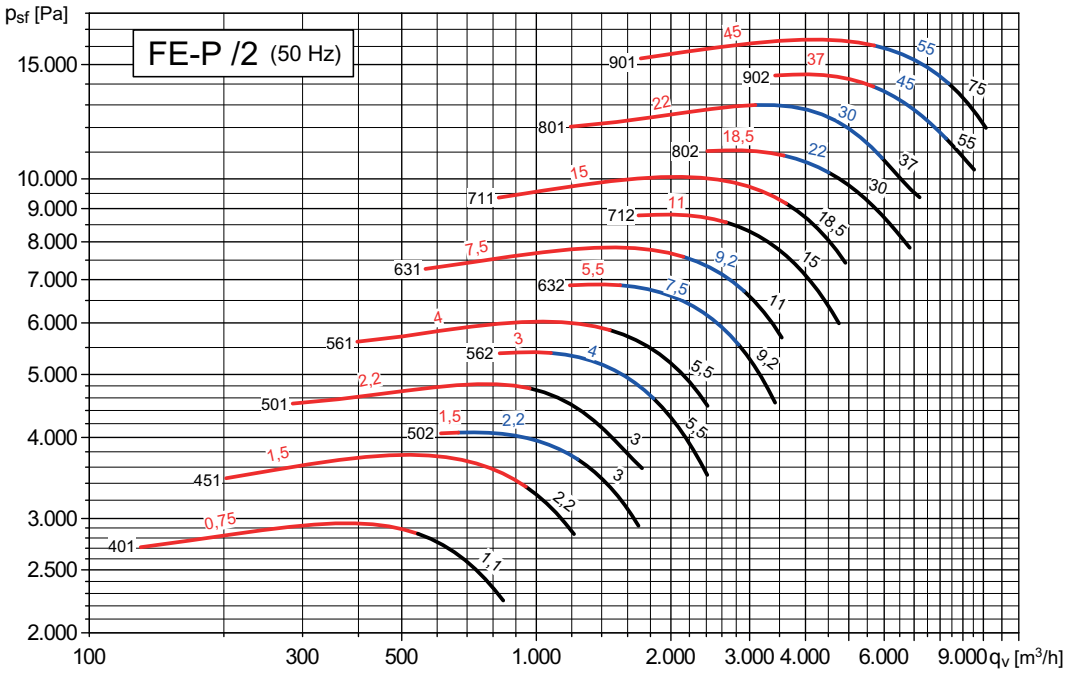
| Modelo | Tamaño motor | Velocidad (r.p.m.) | Potencia motor (kW) | Intensidad motor 400V (A) | Caudal máximo ($m^3/h$) | Nivel presión sonora a 1 m (dB(A))[1] | Peso (kg)[2] | Momento de inercia ($kg \cdot m^2$)[3] |
|---|---|---|---|---|---|---|---|---|
| 2 POLOS | | | | | | | | |
| FE 401/2 P4A | 80A2 | 2.830 | 0,75 | 1,59 | 510 | 68 | 42 | 0,11 |
| FE 401/2 P4A | 80B2 | 2.840 | 1,10 | 2,33 | 840 | 68 | 43 | 0,11 |
| FE 451/2 P4A | 90S2 | 2.840 | 1,50 | 3,07 | 890 | 73 | 61 | 0,20 |
| FE 451/2 P4A | 90L2 | 2.850 | 2,20 | 4,43 | 1.210 | 73 | 65 | 0,20 |
| FE 502/2 P4A | 90S2 | 2.840 | 1,50 | 3,07 | 670 | 74 | 69 | 0,28 |
| FE 502/2 P4A | 90L2 | 2.850 | 2,20 | 4,43 | 1.180 | 74 | 73 | 0,28 |
| FE 502/2 P4A | 100LA2 | 2.900 | 3,00 | 5,77 | 1.690 | 77 | 80 | 0,28 |
| FE 501/2 P4A | 90L2 | 2.850 | 2,20 | 4,43 | 890 | 75 | 81 | 0,30 |
| FE 501/2 P4A | 100LA2 | 2.900 | 3,00 | 5,77 | 1.720 | 77 | 87 | 0,30 |
| FE 562/2 P4A | 100LA2 | 2.900 | 3,00 | 5,77 | 1.080 | 78 | 108 | 0,43 |
| FE 562/2 P4A | 112M2 | 2.910 | 4,00 | 7,50 | 1.830 | 78 | 113 | 0,43 |
| FE 562/2 P4A | 132SA2 | 2.890 | 5,50 | 10,10 | 2.410 | 84 | 128 | 0,43 |
| FE 561/2 P4A | 112M2 | 2.910 | 4,00 | 7,50 | 1.350 | 79 | 115 | 0,53 |
| FE 561/2 P4A | 132SA2 | 2.890 | 5,50 | 10,10 | 2.420 | 84 | 130 | 0,53 |
| FE 632/2 P4A | 132SA2 | 2.890 | 5,50 | 10,10 | 1.420 | 85 | 151 | 0,75 |
| FE 632/2 P4A | 132SB2 | 2.890 | 7,50 | 13,90 | 2.720 | 85 | 156 | 0,75 |
| FE 632/2 P4A | 132MB2 | 2.900 | 9,20 | 16,60 | 3.420 | 85 | 165 | 0,75 |
| FE 631/2 P4A | 132SB2 | 2.890 | 7,50 | 13,90 | 1.970 | 85 | 159 | 0,90 |
| FE 631/2 P4A | 132MB2 | 2.900 | 9,20 | 16,60 | 2.760 | 85 | 168 | 0,90 |
| FE 631/2 P4A | 160MR2 | 2.930 | 11,00 | 18,70 | 3.540 | 86 | 193 | 0,90 |
| FE 712/2 P4A | 160MR2 | 2.930 | 11,00 | 18,70 | 2.500 | 86 | 221 | 1,30 |
| FE 712/2 P4A | 160M2 | 2.935 | 15,00 | 25,40 | 4.750 | 86 | 230 | 1,30 |
| FE 711/2 P4A | 160M2 | 2.935 | 15,00 | 25,40 | 3.410 | 86 | 234 | 1,60 |
| FE 711/2 P4A | 160L2 | 2.935 | 18,50 | 33,30 | 4.910 | 86 | 245 | 1,60 |
| FE 802/2 P4A | 160L2 | 2.935 | 18,50 | 33,30 | 3.340 | 87 | 282 | 2,10 |
| FE 802/2 P4A | 180M2 | 2.940 | 22,00 | 39,00 | 4.510 | 90 | 304 | 2,10 |
| FE 802/2 P4A | 200LR2 | 2.960 | 30,00 | 53,50 | 6.840 | 90 | 420 | 2,10 |
| FE 801/2 P4A | 180M2 | 2.940 | 22,00 | 39,00 | 3.090 | 90 | 309 | 2,60 |
| FE 801/2 P4A | 200LR2 | 2.960 | 30,00 | 53,50 | 5.940 | 90 | 425 | 2,60 |
| FE 801/2 P4A | 200L2 | 2.960 | 37,00 | 65,60 | 7.200 | 90 | 436 | 2,60 |
| FE 902/2 P4A | 200L2 | 2.960 | 37,00 | 65,60 | 5.350 | 91 | 552 | 3,40 |
| FE 902/2 P4A | 225M2 | 2.960 | 45,00 | 77,60 | 7.930 | 91 | 597 | 3,40 |
| FE 902/2 P4A | 250M2 | 2.960 | 55,00 | 93,50 | 9.540 | 91 | 668 | 3,40 |
| FE 901/2 P4A | 225M2 | 2.960 | 45,00 | 77,60 | 5.700 | 91 | 603 | 4,50 |
| FE 901/2 P4A | 250M2 | 2.960 | 55,00 | 93,50 | 8.360 | 91 | 671 | 4,50 |
| FE 901/2 P4A | 280S2 | 2.960 | 75,00 | 126,00 | 10.130 | 91 | 773 | 4,50 |

1 Entubado en la descarga
Tolerancia del nivel de ruido de +3dB/A, medido en el punto de máxima eficiencia
2 Con motor incluido y para orientación LG270 o RD270
3 Momento de inercia del rodete

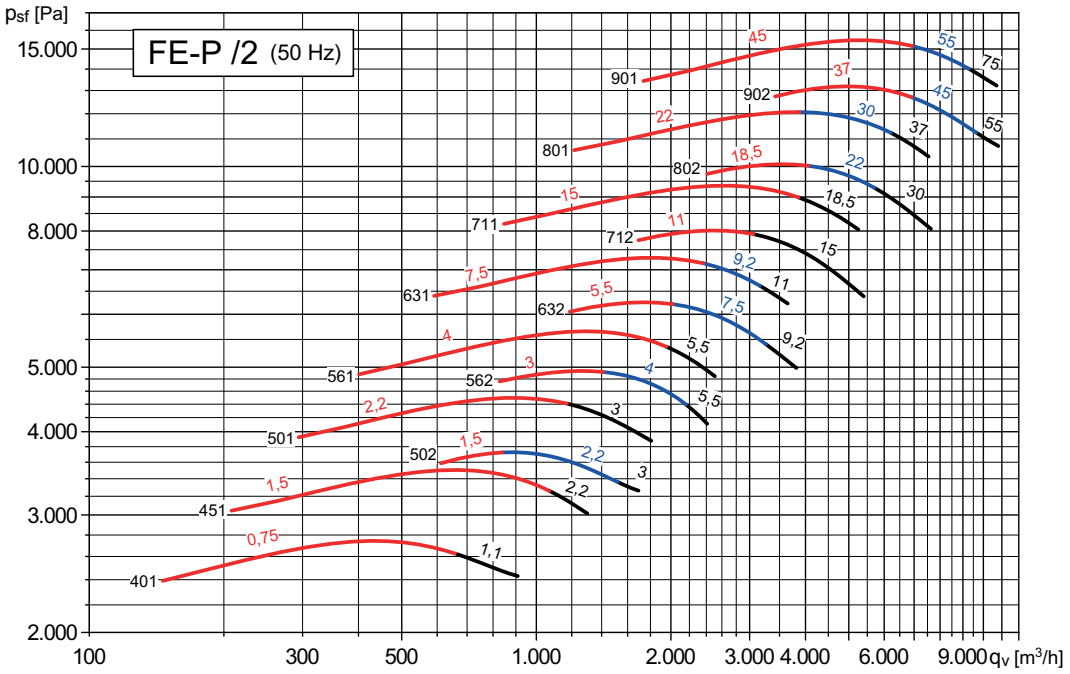
## CURVAS CARACTERÍSTICAS (a la descarga/ a la aspiración)

- Ventiladores ensayados con la aspiración y la descarga entubadas
- **Psf: Presión estática en Pa**
- Modelo - Potencia motor en kW
- Ejemplo: 801 - 22, 30 o 37
  Modelo - kW

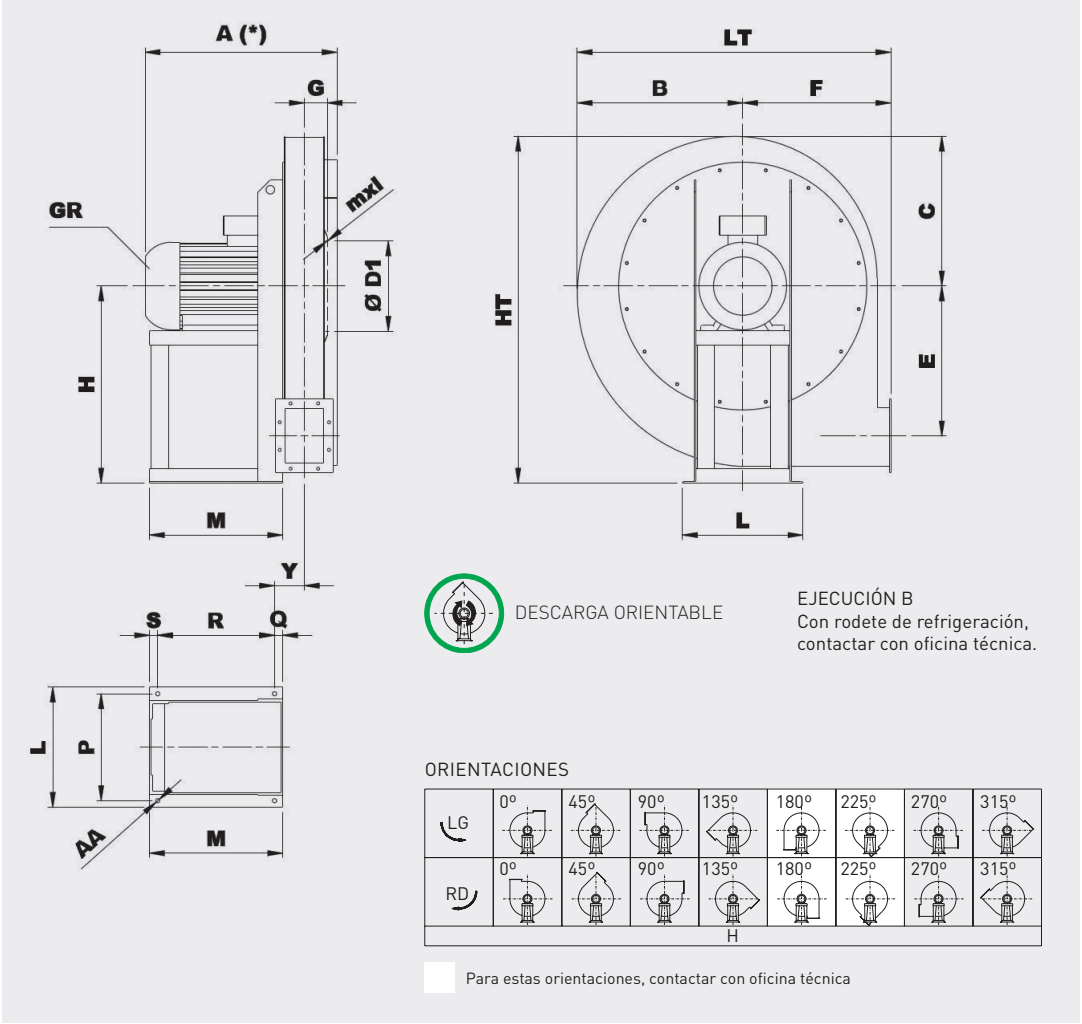
2 polos - Descarga - Modelos desde 401 hasta 901




2 polos - Aspiración - Modelos desde 401 hasta 901



## DIMENSIONES (mm)

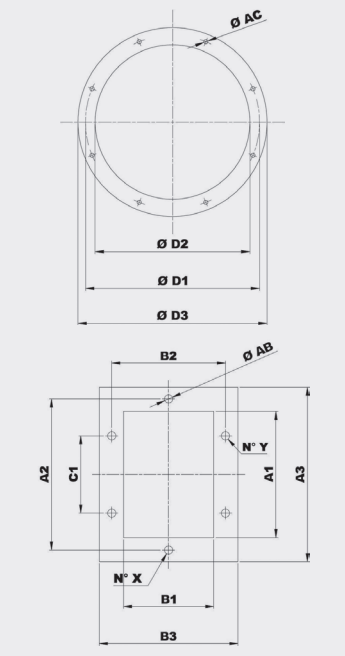



| Modelo | | | | | | | | | | | | | | Base | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Motor GR | A* | B | C | ØD1 | E | F | G | H | HT | mxl | Y | LT | L | P | M | Q | R | S | ØAA |
| FE 401/2 P4A | 80B2 | 370 | 310 | 280 | 182 | 267 | 280 | 46 | 375 | 655 | M6x20 | 87 | 590 | 225 | 203 | 225 | 45 | 166 | 14 | 10 |
| FE 401/2 P4A | 80A2 | 370 | 310 | 280 | 182 | 267 | 280 | 46 | 375 | 655 | M6x20 | 87 | 590 | 225 | 203 | 225 | 45 | 166 | 14 | 10 |
| FE 451/2 P4A | 90L2 | 415 | 345 | 315 | 200 | 298 | 300 | 51 | 400 | 715 | M6x20 | 107 | 645 | 260 | 234 | 260 | 60 | 183 | 17 | 10 |
| FE 451/2 P4A | 90S2 | 415 | 345 | 315 | 200 | 298 | 300 | 51 | 400 | 715 | M6x20 | 107 | 645 | 260 | 234 | 260 | 60 | 183 | 17 | 10 |
| FE 501/2 P4A | 100LA2 | 460 | 380 | 350 | 219 | 334 | 335 | 55 | 450 | 800 | M6x20 | 75 | 715 | 324 | 289 | 295 | 23 | 249 | 23 | 12 |
| FE 501/2 P4A | 112M2 | 500 | 380 | 350 | 219 | 334 | 335 | 55 | 450 | 800 | M6x20 | 75 | 715 | 324 | 289 | 310 | 23 | 264 | 23 | 12 |
| FE 501/2 P4A | 90L2 | 425 | 380 | 350 | 219 | 334 | 335 | 55 | 450 | 800 | M6x20 | 112 | 715 | 260 | 234 | 260 | 60 | 183 | 17 | 10 |
| FE 502/2 P4A | 90S2 | 425 | 380 | 350 | 219 | 334 | 335 | 55 | 450 | 800 | M6x20 | 112 | 715 | 260 | 234 | 260 | 60 | 183 | 17 | 10 |
| FE 502/2 P4A | 100LA2 | 460 | 380 | 350 | 219 | 334 | 335 | 55 | 450 | 800 | M6x20 | 75 | 715 | 324 | 289 | 295 | 23 | 249 | 23 | 12 |
| FE 502/2 P4A | 90L2 | 425 | 380 | 350 | 219 | 334 | 335 | 55 | 450 | 800 | M6x20 | 112 | 715 | 260 | 234 | 260 | 60 | 183 | 17 | 10 |
| FE 561/2 P4A | 112M2 | 530 | 430 | 390 | 241 | 379 | 375 | 60 | 500 | 890 | M6x20 | 80 | 805 | 324 | 289 | 310 | 23 | 264 | 23 | 12 |
| FE 561/2 P4A | 132SA2 | 590 | 430 | 390 | 241 | 379 | 375 | 60 | 500 | 890 | M6x20 | 80 | 805 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| FE 561/2 P4A | 132SB2 | 590 | 430 | 390 | 241 | 379 | 375 | 60 | 500 | 890 | M6x20 | 80 | 805 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| FE 562/2 P4A | 100LA2 | 490 | 430 | 390 | 241 | 379 | 375 | 60 | 500 | 890 | M6x20 | 80 | 805 | 324 | 289 | 295 | 23 | 249 | 23 | 12 |
| FE 562/2 P4A | 112M2 | 530 | 430 | 390 | 241 | 379 | 375 | 60 | 500 | 890 | M6x20 | 80 | 805 | 324 | 289 | 310 | 23 | 264 | 23 | 12 |
| FE 562/2 P4A | 132SA2 | 590 | 430 | 390 | 241 | 379 | 375 | 60 | 500 | 890 | M6x20 | 80 | 805 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| FE 631/2 P4A | 160MR2 | 715 | 485 | 440 | 265 | 427 | 425 | 68 | 560 | 1000 | M6x20 | 91 | 910 | 440 | 395 | 470 | 28 | 414 | 28 | 14 |
| FE 631/2 P4A | 132MB2 | 630 | 485 | 440 | 265 | 427 | 425 | 68 | 560 | 1000 | M6x20 | 86 | 910 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| FE 631/2 P4A | 132SB2 | 630 | 485 | 440 | 265 | 427 | 425 | 68 | 560 | 1000 | M6x20 | 86 | 910 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| FE 632/2 P4A | 132MB2 | 630 | 485 | 440 | 265 | 427 | 425 | 68 | 560 | 1000 | M6x20 | 86 | 910 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| FE 632/2 P4A | 132SA2 | 630 | 485 | 440 | 265 | 427 | 425 | 68 | 560 | 1000 | M6x20 | 86 | 910 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| FE 632/2 P4A | 132SB2 | 630 | 485 | 440 | 265 | 427 | 425 | 68 | 560 | 1000 | M6x20 | 86 | 910 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| FE 711/2 P4A | 160L2 | 730 | 540 | 490 | 292 | 478 | 475 | 75 | 630 | 1120 | M8x25 | 99 | 1015 | 440 | 395 | 470 | 28 | 414 | 28 | 14 |
| FE 711/2 P4A | 160M2 | 730 | 540 | 490 | 292 | 478 | 475 | 75 | 630 | 1120 | M8x25 | 99 | 1015 | 440 | 395 | 470 | 28 | 414 | 28 | 14 |

* Según tamaño motor

| Modelo | | | | | | | | | | | | | Base | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Motor GR | A* | B | C | ØD1 | E | F | G | H | HT | mxl | Y | LT | L | P | M | Q | R | S | ØAA |
| FE 711/2 P4A | 180M2 | 775 | 540 | 490 | 292 | 478 | 475 | 75 | 630 | 1120 | M8x25 | 104 | 1015 | 488 | 434 | 540 | 33 | 474 | 33 | 17 |
| FE 712/2 P4A | 160L2 | 730 | 540 | 490 | 292 | 478 | 475 | 75 | 630 | 1120 | M8x25 | 99 | 1015 | 440 | 395 | 470 | 28 | 414 | 28 | 14 |
| FE 712/2 P4A | 160M2 | 730 | 540 | 490 | 292 | 478 | 475 | 75 | 630 | 1120 | M8x25 | 99 | 1015 | 440 | 395 | 470 | 28 | 414 | 28 | 14 |
| FE 712/2 P4A | 160MR2 | 730 | 540 | 490 | 292 | 478 | 475 | 75 | 630 | 1120 | M8x25 | 99 | 1015 | 440 | 395 | 470 | 28 | 414 | 28 | 14 |
| FE 801/2 P4A | 180M2 | 785 | 610 | 550 | 332 | 539 | 530 | 82 | 710 | 1260 | M8x25 | 112 | 1140 | 488 | 434 | 540 | 33 | 474 | 33 | 17 |
| FE 801/2 P4A | 200L2 | 910 | 610 | 550 | 332 | 539 | 530 | 82 | 710 | 1260 | M8x25 | 159 | 1140 | 568 | 506 | 552 | 80 | 433 | 39 | 19 |
| FE 901/2 P4A | 250M2 | 1035 | 685 | 620 | 366 | 608 | 600 | 93 | 800 | 1420 | M8x25 | 179 | 1285 | 676 | 604 | 675 | 90 | 541 | 44 | 19 |
| FE 901/2 P4A | 280S2 | 1190 | 685 | 620 | 366 | 608 | 600 | 93 | 800 | 1420 | M8x25 | 189 | 1285 | 770 | 690 | 765 | 100 | 615 | 50 | 21 |
| FE 901/2 P4A | 225M2 | 975 | 685 | 620 | 366 | 608 | 600 | 93 | 800 | 1420 | M8x25 | 169 | 1285 | 616 | 556 | 615 | 80 | 496 | 39 | 19 |
| FE 902/2 P4A | 200L2 | 950 | 685 | 620 | 366 | 608 | 600 | 93 | 800 | 1420 | M8x25 | 169 | 1285 | 568 | 506 | 575 | 80 | 456 | 39 | 19 |
| FE 902/2 P4A | 225M2 | 975 | 685 | 620 | 366 | 608 | 600 | 93 | 800 | 1420 | M8x25 | 169 | 1285 | 616 | 556 | 615 | 80 | 496 | 39 | 19 |

* Según tamaño motor




Brida aspiración

| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 401 | 140 | 182 | 144 | 214 | 8 | 4 |
| 451 | 160 | 200 | 164 | 234 | 8 | 8 |
| 501 | 180 | 219 | 184 | 254 | 8 | 8 |
| 561 | 200 | 241 | 204 | 274 | 8 | 8 |
| 631 | 224 | 265 | 228 | 298 | 8 | 8 |
| 711 | 250 | 292 | 254 | 324 | 10 | 8 |
| 801 | 280 | 332 | 285 | 365 | 10 | 8 |
| 901 | 315 | 366 | 320 | 400 | 10 | 8 |

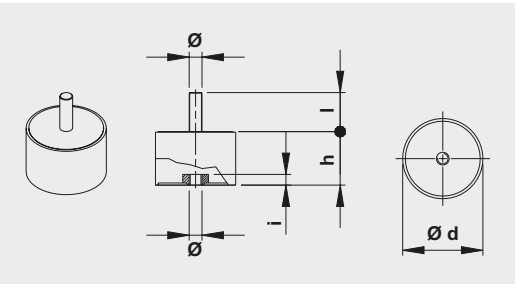
Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 401 | 100x71 | 105 | 76 | 139 | 110 | 165 | 136 | - | 10 | 1+1 | 1+1 |
| 451 | 112x80 | 117 | 85 | 151 | 119 | 177 | 145 | - | 10 | 1+1 | 1+1 |
| 501 | 125x90 | 131 | 95 | 165 | 129 | 191 | 155 | 100 | 10 | 1+1 | 2+2 |
| 561 | 140x100 | 146 | 105 | 182 | 139 | 216 | 175 | 112 | 12 | 1+1 | 2+2 |
| 631 | 160x112 | 164 | 117 | 200 | 151 | 234 | 187 | 112 | 12 | 1+1 | 2+2 |
| 711 | 180x125 | 183 | 131 | 219 | 165 | 253 | 201 | 112 | 12 | 1+1 | 2+2 |
| 801 | 200x140 | 205 | 146 | 241 | 182 | 275 | 216 | 112 | 12 | 2+2 | 2+2 |
| 901 | 224x160 | 229 | 164 | 265 | 200 | 299 | 234 | 112 | 12 | 2+2 | 2+2 |

## AMORTIGUADORES

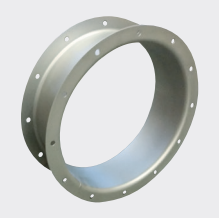
Amortiguadores recomendados

| Ventilador | Ejecución 4 |
|---|---|
| 401 | 4 x AM 20 - 20x20 |
| 451 | 4 x AM 25 - 25x20 |
| 501/2 | 4 x AM 25 - 25x20 |
| 561/2 | 4 x AM 30 - 30x30 |
| 631/2 | 4 x AM 40 - 40x30 |
| 711/2 | 4 x AM 50 - 50x40 |
| 801/2 | 4 x AM 75 - 75x50 |
| 901/2 | 4 x AM 75 - 75x50 |

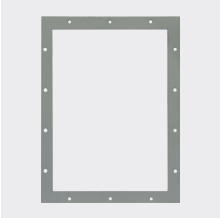



| Tipo | Carga para 4 soportes (kg) | d | h | Ø | l | Peso (kg) |
|---|---|---|---|---|---|---|
| AM 20 | 11÷40 | 20 | 20 | M6 | 15 | 0,02 |
| AM 25 | 41÷80 | 25 | 20 | M6 | 18 | 0,03 |
| AM 30 | 81÷140 | 30 | 30 | M8 | 20 | 0,05 |
| AM 40 | 141÷224 | 40 | 30 | M8 | 23 | 0,10 |
| AM 50 | 225÷315 | 50 | 40 | M10 | 28 | 0,20 |
| AM 75 | 316÷630 | 75 | 50 | M12 | 37 | 0,50 |

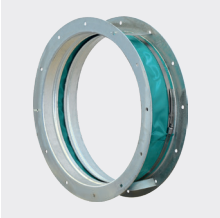
## ACCESORIOS



**CA (CFH1) - CFH2 - CFH3**
Contrabrida - Brida plana circular.



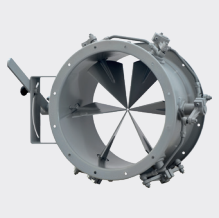
**CP**
Brida plana rectangular.



**GA**
Junta flexible aspiración.



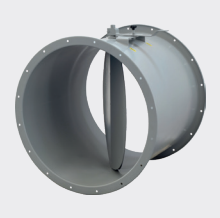
**GP**
Junta flexible descarga.



**DP**
Regulador de caudal de aspiración.



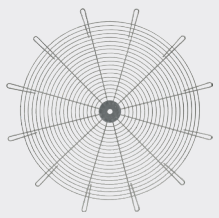
**SAD**
Compuerta de regulación de caudal de descarga.



**SF**
Vávula mariposa.



**DF**
Filtro en la aspiración.



**RC**
Rejilla de protección para la aspiración.



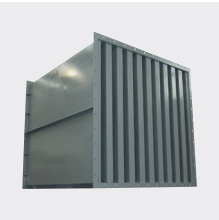
**AM/AZ**
Soportes antivibratorios.



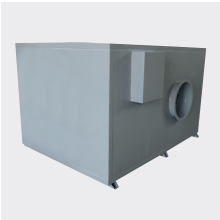
**SCSO**
Silenciador cilíndrico.



**SCCO**
Silenciador cilíndrico con bulbo.



**SASS**
Silenciador rectangular.



**CI**
Cabina de insonorización.

Ver información completa en página **772**.

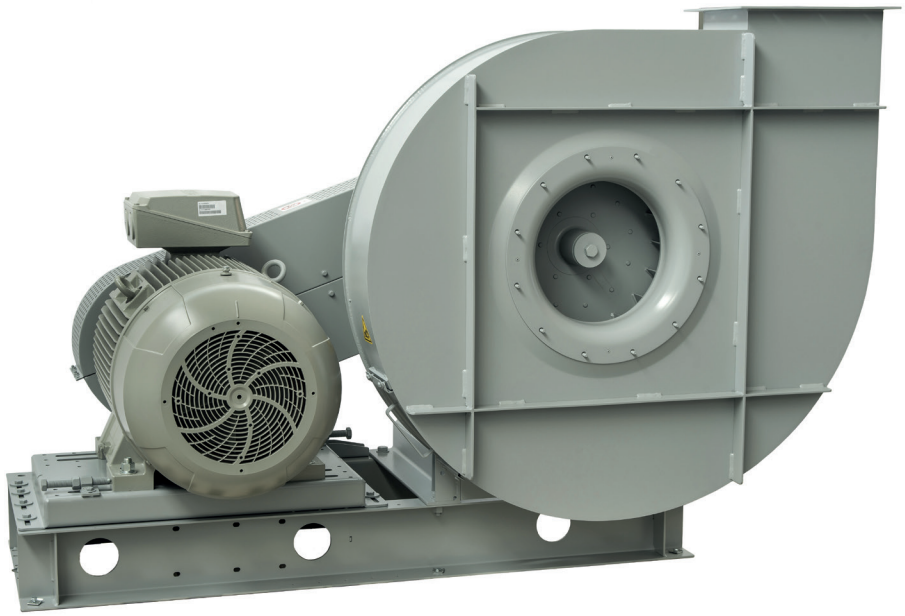
# FE-P

## VENTILADORES CENTRÍFUGOS DE ALTA PRESIÓN

*TRANSMISIÓN*



Ventilador centrífugo con accionamiento por poleas y correas y simple aspiración. Fabricados en chapa de acero protegida contra la corrosión mediante tratamiento por cataforesis + pintura poliuretana. Temperaturas del aire a transportar -20ºC/+100ºC en continuo.



APLICACIONES

**Aire a transportar**
Muy polvoriento

**Cantidad de polvo (mg/m³)**
<5000



Rodete álabes curvados hacia adelante

### Sistemas de montaje

- SISTEMA 1: eje libre, para acoplamiento mediante poleas y correas.
- SISTEMA 9: incluye motor, poleas, correas y protector de correas. Motor montado en el lateral del pie soporte rodamientos.
- SISTEMA 12: incluye motor, poleas, correas y protector de correas. Motor montado sobre la bancada general.

### Motores

De 2, 4 o 6 polos, de alta eficiencia IE 3* (las r.p.m. de cada motor se adaptarán al cálculo de cada transmisión), tensión de alimentación trifásica 230/400V 50Hz hasta tamaño motor 112 y 400/690V 50Hz para motores de mayor dimensión. Protección IP55, Clase F.

* Entre 75 y 200kW, los motores suministrados serán IE4.

### Bajo pedido

- Fabricación en diferentes materiales constructivos.
- Motores de 2 velocidades.
- Versiones de 60 Hz.
- Pintura en diferentes RAL.
- Versión para alta temperatura: hasta 300ºC (versiones B: con rodete de refrigeración).
- Trampilla de inspección, purga de drenaje, distintos tipos de estanqueidad a nivel de voluta y de paso de eje.
- Ventiladores estancos.
- Calorifugado.

### Versiones ATEX

Bajo pedido, versiones antiexplosivas según la Directiva ATEX para modelos trifásicos: Para trabajar a temperaturas de -20ºC a +60ºC, presión ambiente (absoluta) de 0,8 bar hasta 1,1 bar, según EN 14986.

- Gas:
  - Ex 2G IIB T2-T3
  - Ex 2G IIB+H2 T2-T3
  - Ex 3G IIB T2-T3
  - Ex 3G IIB+H2 T2-T3
- Polvo no conductivo:
  - Ex 2D IIIB T195°C-T295°C
  - Ex 3D IIIB T195°C-T295°C
- Polvo conductivo (con motor IP65 IIIC):
  - Ex 2D IIIC T195°C-T295°C
  - Ex 3D IIIC T195°C-T295°C

## CARACTERÍSTICAS TÉCNICAS

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación.

| Modelo | Caudal máximo ($m^3/h$) | Potencia motor máxima (kW) | Peso (kg)[1] | Momento de inercia ($kg \cdot m^2$)[2] |
|---|---|---|---|---|
| FE 401 P1A | 1.340 | 4,0 | 37 | 0,11 |
| FE 451 P1A | 1.920 | 5,5 | 45 | 0,20 |
| FE 501 P1A | 2.380 | 9,2 | 66 | 0,30 |
| FE 561 P1A | 3.340 | 11,0 | 89 | 0,50 |
| FE 631 P1A | 4.290 | 15,0 | 128 | 0,90 |
| FE 711 P1A | 5.930 | 30,0 | 171 | 1,60 |
| FE 801 P1A | 7.670 | 37,0 | 215 | 2,60 |
| FE 901 P1A | 10.780 | 55,0 | 365 | 4,50 |

[1] Para ejecución 1 y orientación LG270 o RD270
[2] Momento de inercia del rodete

SOPORTES SISTEMA 1

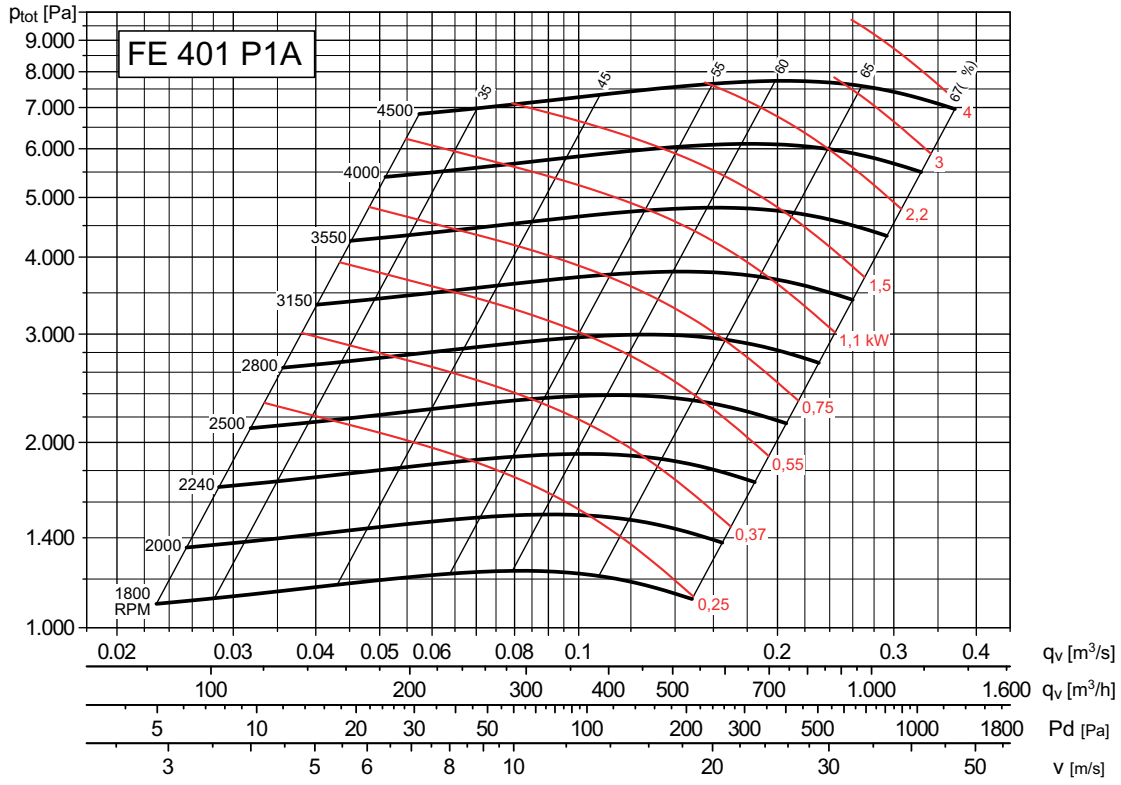
| Modelo | 401-451 | 501-561 | 631 | 711-801 | 901 |
|---|---|---|---|---|---|
| Soporte tipo | ST 62 A24 | ST 80 A28 | ST 90 A38 | ST 100 A42 | ST 110 B48 |

MOTORES SISTEMA 9

| Modelo | 401-451 | 501-631 | 711-901 |
|---|---|---|---|
| Tamaño motor | ≤ 100 L2 | ≤ 132 M2 | ≤ 160 L2 |

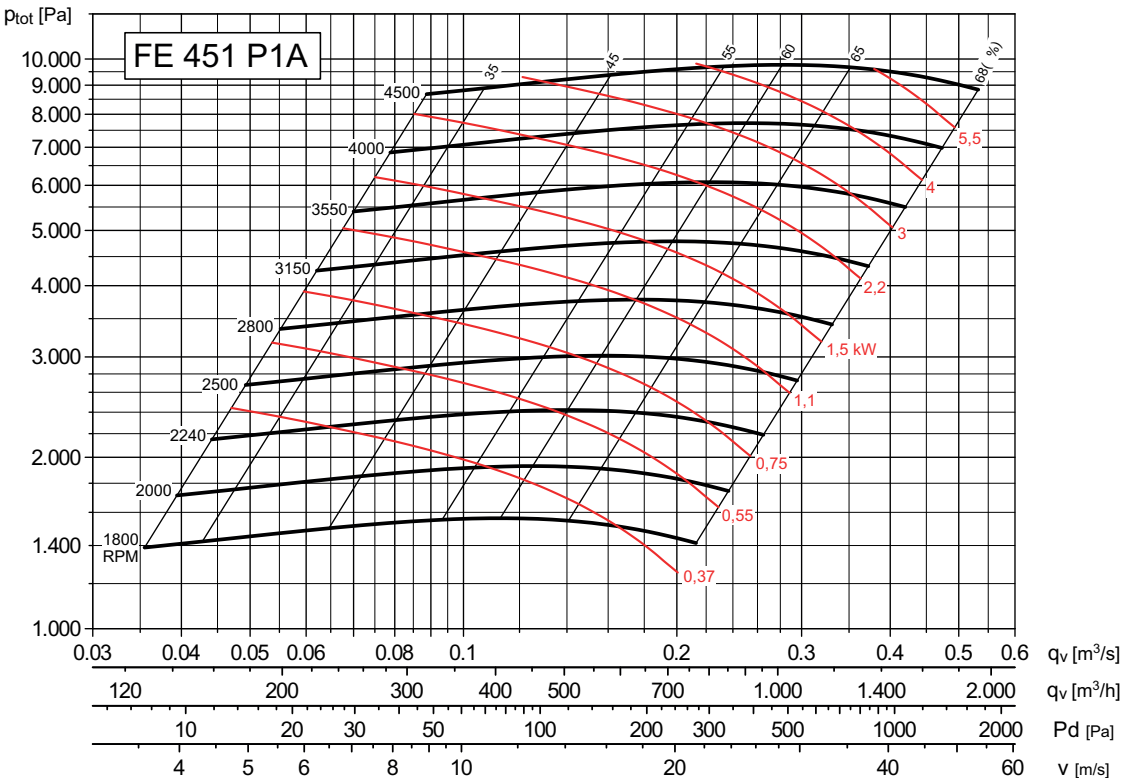
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 4500 rpm
101 ÷ 220°C = 4000 rpm
201 ÷ 300°C = 3550 rpm

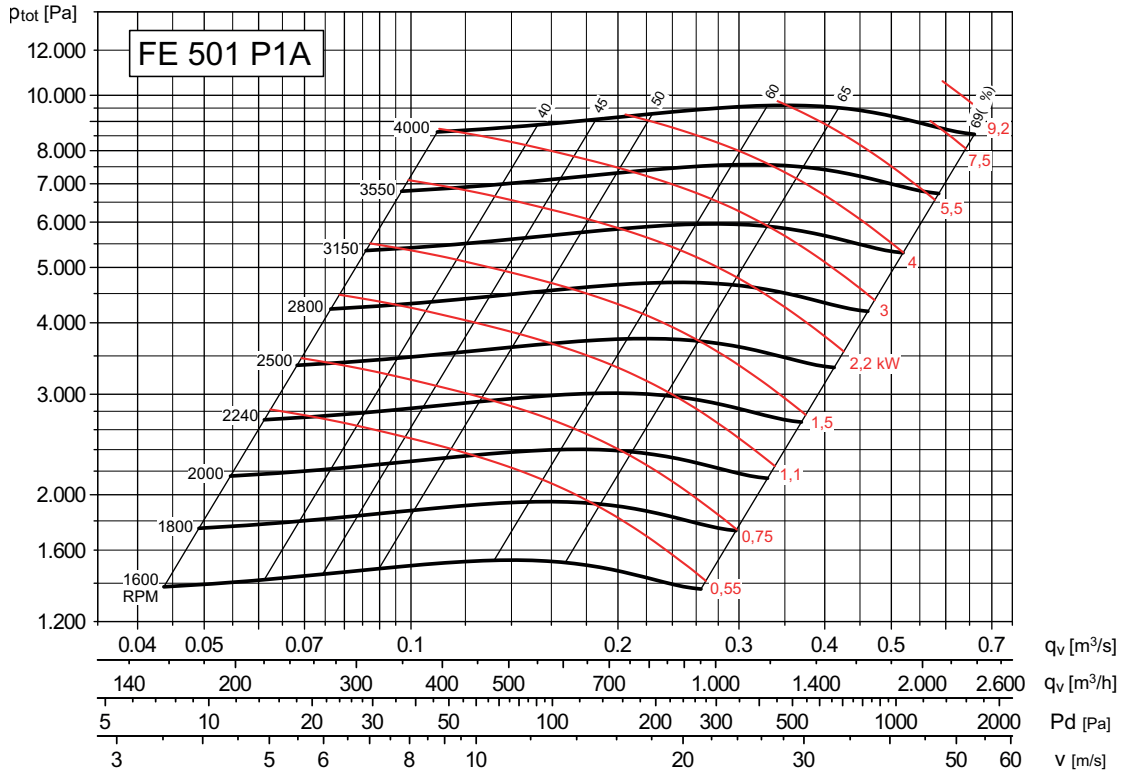



MAX. RPM

≤ 100°C = 4250 rpm
101 ÷ 220°C = 3750 rpm
201 ÷ 300°C = 3350 rpm

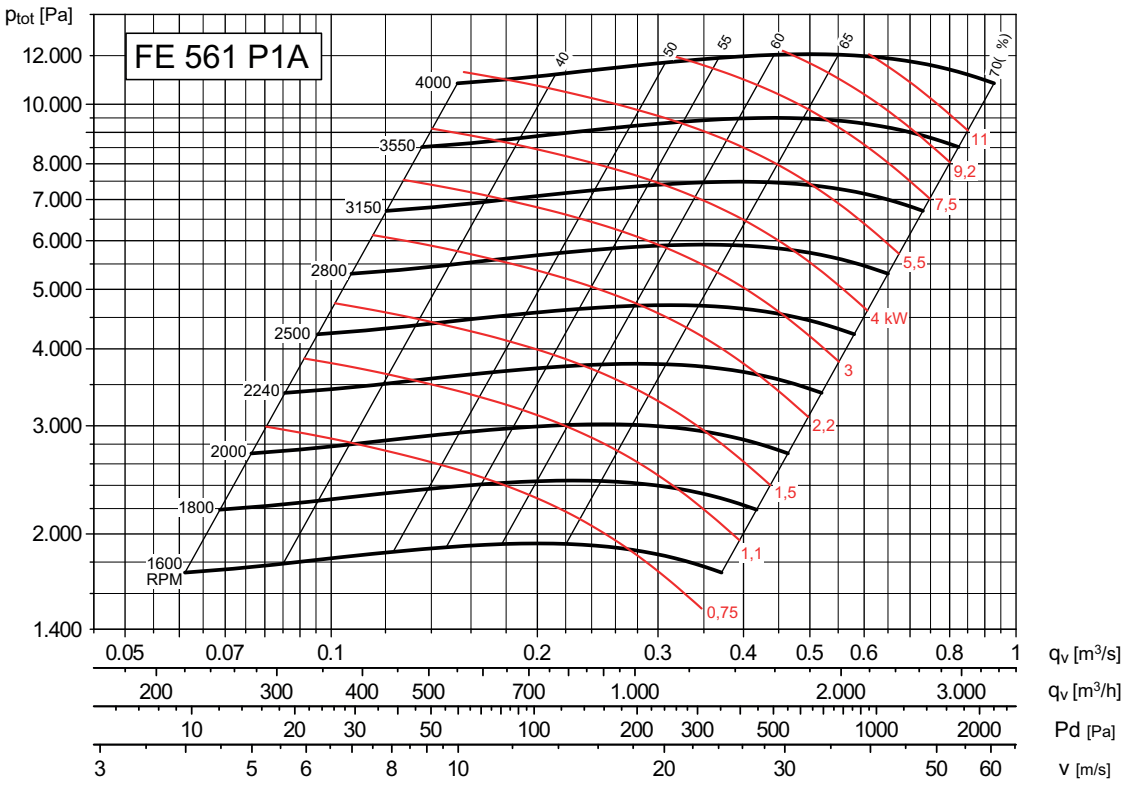
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 4000 rpm
101 ÷ 220°C = 3550 rpm
201 ÷ 300°C = 3150 rpm

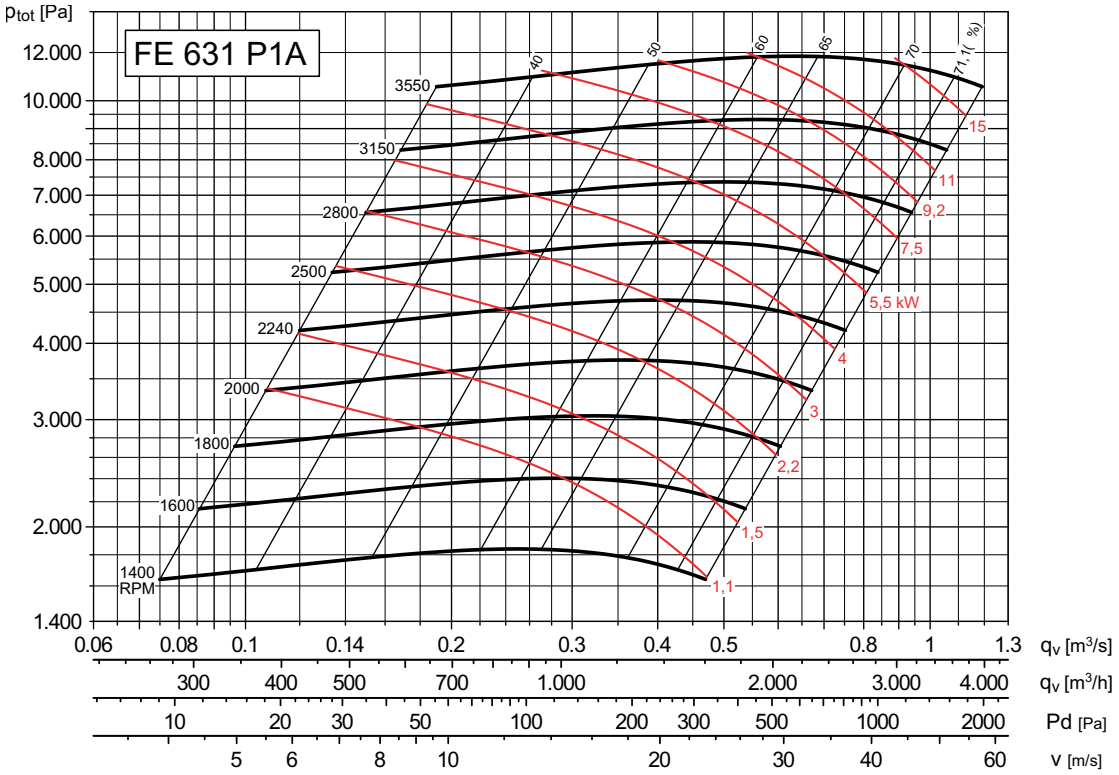



MAX. RPM

≤ 100°C = 3750 rpm
101 ÷ 220°C = 3350 rpm
201 ÷ 300°C = 3000 rpm

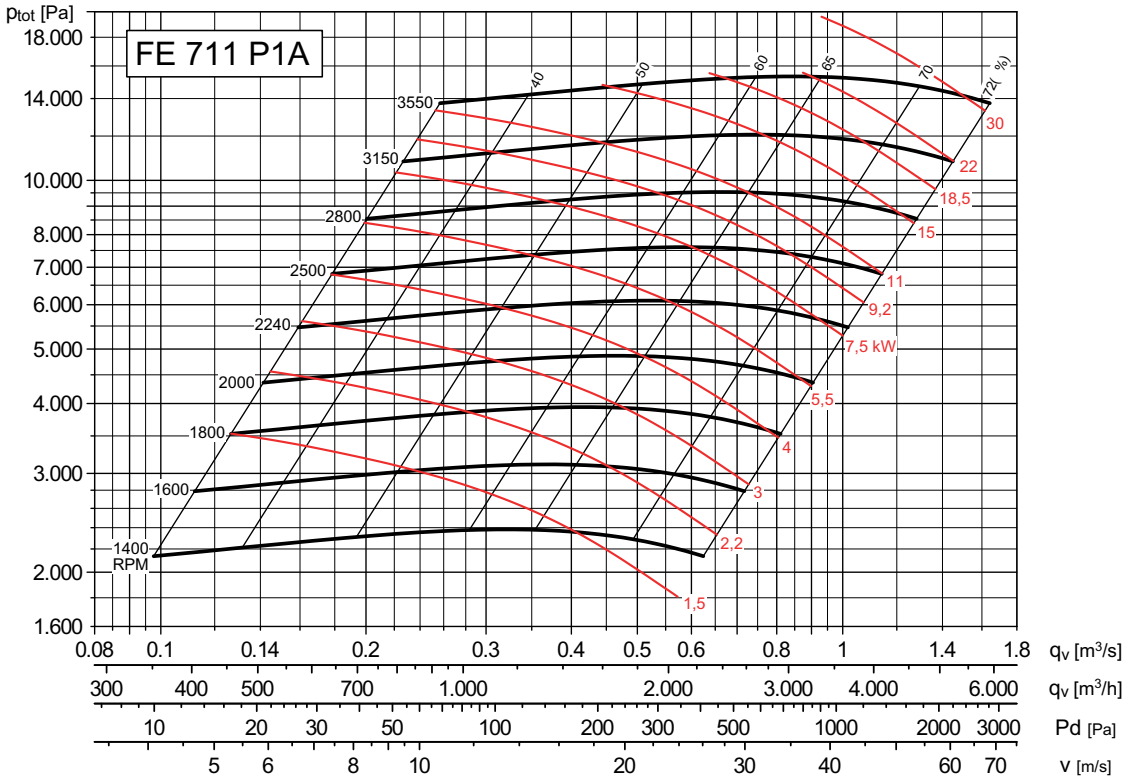
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 3550 rpm
101 ÷ 220°C = 3150 rpm
201 ÷ 300°C = 2800 rpm

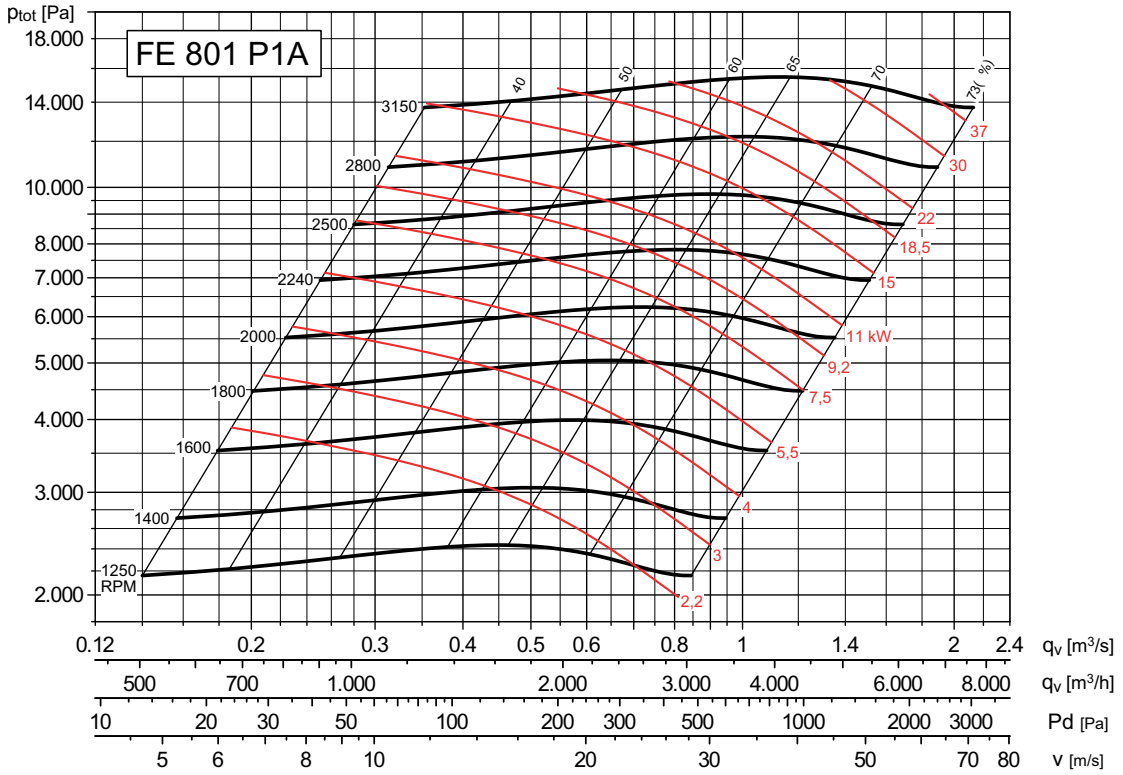



MAX. RPM

≤ 100°C = 3350 rpm
101 ÷ 220°C = 3000 rpm
201 ÷ 300°C = 2650 rpm

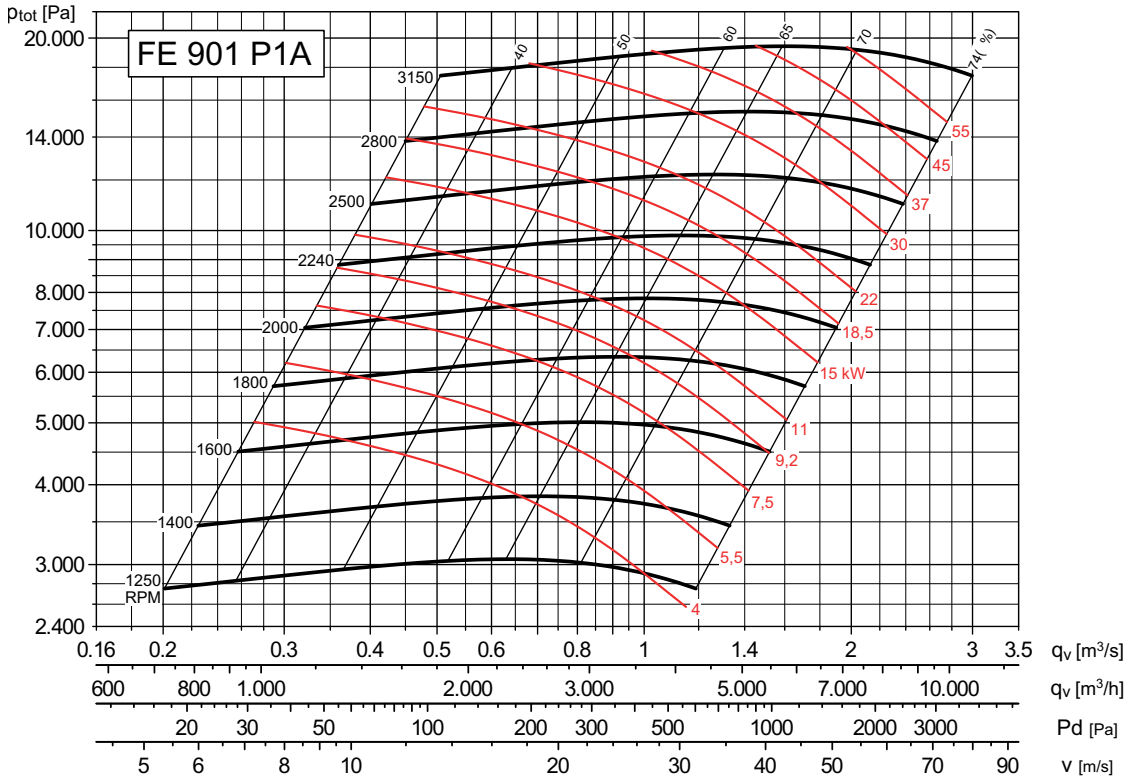
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

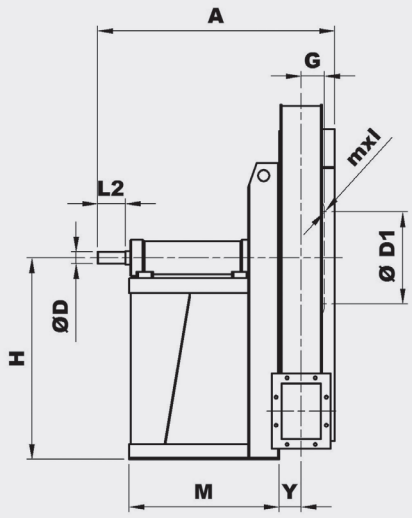
≤ 100°C = 3150 rpm
101 ÷ 220°C = 2800 rpm
201 ÷ 300°C = 2500 rpm

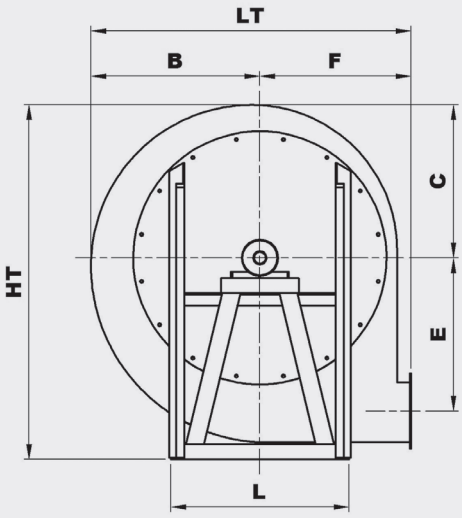


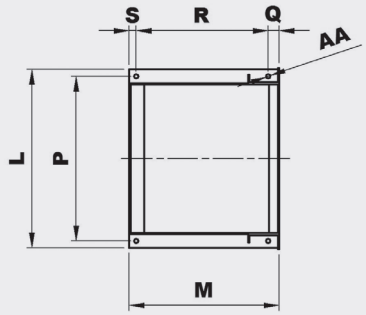

MAX. RPM

≤ 100°C = 3000 rpm
101 ÷ 220°C = 2650 rpm
201 ÷ 300°C = 2360 rpm

## DIMENSIONES (mm)



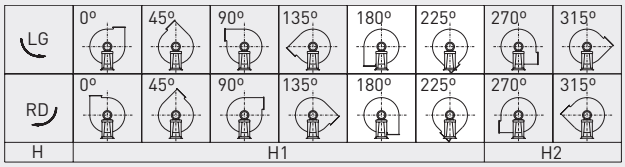




DESCARGA ORIENTABLE

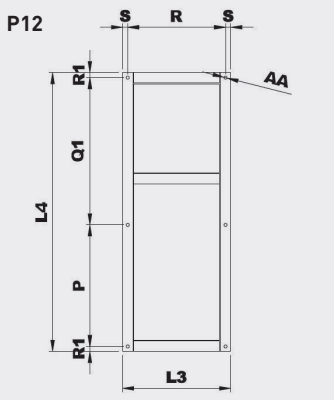
EJECUCIÓN B
Con rodete de refrigeración, contactar con oficina técnica.

ORIENTACIONES




Para estas orientaciones, contactar con oficina técnica

| Modelo | | | | | | | | | | | | | Eje | | Base | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | ØD1 | E | F | G | H | | HT | mxl | Y | LT | L2 | ØD | L | P | M | Q | R | S | ØAA |
| | | | | | | | | H1 | H2 | | | | | | | | | | | | | |
| FE 401 P1A | 500 | 310 | 280 | 182 | 267 | 280 | 46 | 375 | 375 | 655 | M6x20 | 42 | 590 | 50 | 24 | 324 | 288 | 333 | 17 | 299 | 17 | 12 |
| FE 451 P1A | 510 | 345 | 315 | 200 | 298 | 300 | 51 | 400 | 400 | 715 | M6x20 | 47 | 645 | 50 | 24 | 324 | 288 | 328 | 17 | 294 | 17 | 12 |
| FE 501 P1A | 675 | 380 | 350 | 219 | 334 | 335 | 55 | 450 | 450 | 800 | M6x20 | 52 | 715 | 60 | 28 | 400 | 355 | 463 | 23 | 417 | 23 | 14 |
| FE 561 P1A | 705 | 430 | 390 | 241 | 379 | 375 | 60 | 500 | 500 | 890 | M6x20 | 57 | 805 | 60 | 28 | 400 | 355 | 479 | 45 | 411 | 23 | 14 |
| FE 631 P1A | 765 | 485 | 440 | 265 | 427 | 425 | 68 | 560 | 560 | 1000 | M6x20 | 63 | 910 | 80 | 38 | 400 | 355 | 504 | 52 | 429 | 23 | 14 |
| FE 711 P1A | 870 | 540 | 490 | 292 | 478 | 475 | 75 | 530 | 630 | 1120 | M8x25 | 71 | 1015 | 110 | 42 | 588 | 534 | 575 | 28 | 519 | 28 | 17 |
| FE 801 P1A | 950 | 610 | 550 | 332 | 539 | 530 | 82 | 600 | 710 | 1260 | M8x25 | 79 | 1140 | 110 | 42 | 628 | 574 | 575 | 28 | 519 | 28 | 17 |
| FE 901 P1A | 1000 | 685 | 620 | 366 | 608 | 600 | 93 | 670 | 800 | 1420 | M8x25 | 89 | 1285 | 110 | 48 | 708 | 654 | 595 | 43 | 524 | 28 | 17 |

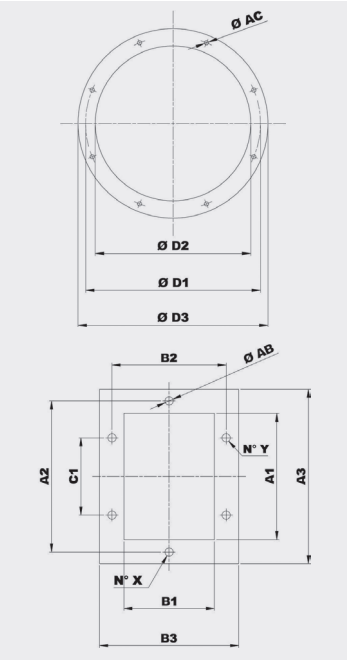



Bancada ejecución 12

| Modelo | P | L3 | L4 | Q1 | R | R1 | S | ØAA | Peso (kg) |
|---|---|---|---|---|---|---|---|---|---|
| 401 P12A | 288 | 333 | 850 | 526 | 299 | 18 | 17 | 12 | 13 |
| 451 P12A | 288 | 328 | 900 | 576 | 294 | 18 | 17 | 12 | 13 |
| 501 P12A | 355 | 463 | 1060 | 660 | 417 | 22,5 | 23 | 14 | 21 |
| 561 P12A | 355 | 457 | 1120 | 720 | 411 | 22,5 | 23 | 14 | 21 |
| 631 P12A | 355 | 475 | 1180 | 780 | 429 | 22,5 | 23 | 14 | 23 |
| 711 P12A | 534 | 575 | 1250 | 662 | 519 | 27 | 28 | 17 | 32 |
| 801 P12A | 574 | 575 | 1400 | 772 | 519 | 27 | 28 | 17 | 35 |
| 901 P12A | 654 | 580 | 1500* | 792* | 524 | 27 | 28 | 17 | 45 |

* Para motores de talla 250-280, esta cota aumenta en 150 mm

## DIMENSIONES (mm)




Brida aspiración

| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 401 | 140 | 182 | 144 | 214 | 8 | 4 |
| 451 | 160 | 200 | 164 | 234 | 8 | 8 |
| 501 | 180 | 219 | 184 | 254 | 8 | 8 |
| 561 | 200 | 241 | 204 | 274 | 8 | 8 |
| 631 | 224 | 265 | 228 | 298 | 8 | 8 |
| 711 | 250 | 292 | 254 | 324 | 10 | 8 |
| 801 | 280 | 332 | 285 | 365 | 10 | 8 |
| 901 | 315 | 366 | 320 | 400 | 10 | 8 |

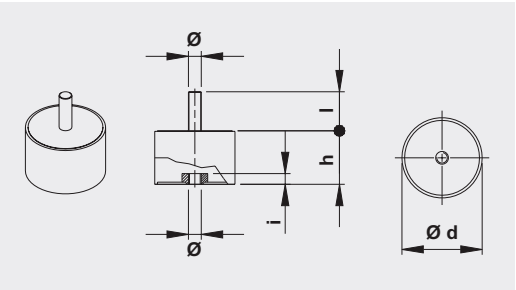
Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 401 | 100x71 | 105 | 76 | 139 | 110 | 165 | 136 | - | 10 | 1+1 | 1+1 |
| 451 | 112x80 | 117 | 85 | 151 | 119 | 177 | 145 | - | 10 | 1+1 | 1+1 |
| 501 | 125x90 | 131 | 95 | 165 | 129 | 191 | 155 | 100 | 10 | 1+1 | 2+2 |
| 561 | 140x100 | 146 | 105 | 182 | 139 | 216 | 175 | 112 | 12 | 1+1 | 2+2 |
| 631 | 160x112 | 164 | 117 | 200 | 151 | 234 | 187 | 112 | 12 | 1+1 | 2+2 |
| 711 | 180x125 | 183 | 131 | 219 | 165 | 253 | 201 | 112 | 12 | 1+1 | 2+2 |
| 801 | 200x140 | 205 | 146 | 241 | 182 | 275 | 216 | 112 | 12 | 2+2 | 2+2 |
| 901 | 224x160 | 229 | 164 | 265 | 200 | 299 | 234 | 112 | 12 | 2+2 | 2+2 |

## AMORTIGUADORES

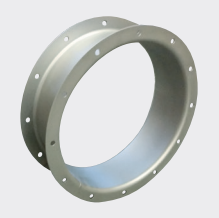
Amortiguadores recomendados

| Ventilador | Ejecución 9 | Ejecución 12 |
|---|---|---|
| 401 | 4 x AM 25 - 25x20 | 4 x AM 30 - 30x30 |
| 451 | 4 x AM 30 - 30x30 | 4 x AM 30 - 30x30 |
| 501/2 | 4 x AM 30 - 30x30 | 4 x AM 40 - 40x30 |
| 561/2 | 4 x AM 40 - 40x30 | 4 x AM 40 - 40x30 |
| 631/2 | 4 x AM 50 - 50x40 | 4 x AM 50 - 50x40 |
| 711/2 | 4 x AM 75 - 75x50 | 4 x AM 75 - 75x50 |
| 801/2 | 4 x AM 75 - 75x50 | 4 x AM 75 - 75x50 |
| 901/2 | 4 x AM 75 - 75x50 | 4 x AM 75 - 75x50 |
| 801/2 | 4 x AM 40 - 40x30 | 4 x AM 40 - 40x30 |
| 901/2 | 4 x AM 50 - 50x40 | 4 x AM 50 - 50x40 |

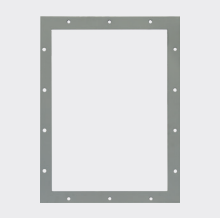



| Tipo | Carga para 4 soportes (kg) | d | h | Ø | l | Peso (kg) |
|---|---|---|---|---|---|---|
| AM 25 | 41÷80 | 25 | 20 | M6 | 18 | 0,03 |
| AM 30 | 81÷140 | 30 | 30 | M8 | 20 | 0,05 |
| AM 40 | 141÷224 | 40 | 30 | M8 | 23 | 0,10 |
| AM 50 | 225÷315 | 50 | 40 | M10 | 28 | 0,20 |
| AM 75 | 316÷630 | 75 | 50 | M12 | 37 | 0,50 |

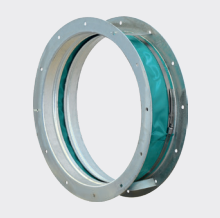
## ACCESORIOS



**CA (CFH1) - CFH2 - CFH3**
Contrabrida - Brida plana circular.



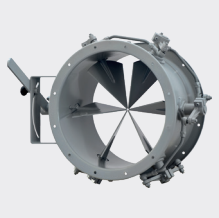
**CP**
Brida plana rectangular.



**GA**
Junta flexible aspiración.



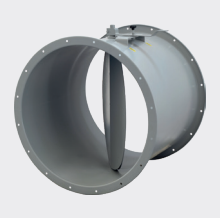
**GP**
Junta flexible descarga.



**DP**
Regulador de caudal de aspiración.



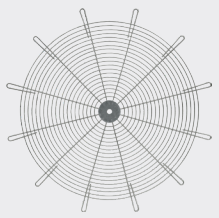
**SAD**
Compuerta de regulación de caudal de descarga.



**SF**
Vávula mariposa.



**DF**
Filtro en la aspiración.



**RC**
Rejilla de protección para la aspiración.



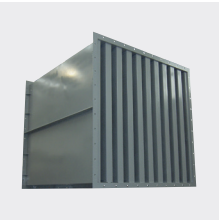
**AM/AZ**
Soportes antivibratorios.



**SCSO**
Silenciador cilíndrico.



**SCCO**
Silenciador cilíndrico con bulbo.



**SASS**
Silenciador rectangular.



**CI**
Cabina de insonorización.

Ver información completa en página **772**.

# FG-P

## VENTILADORES CENTRÍFUGOS DE ALTA PRESIÓN

*ACOPLAMIENTO DIRECTO*



Ventilador centrífugo de acoplamiento directo y simple aspiración. Fabricados en chapa de acero protegida contra la corrosión mediante tratamiento por cataforesis + pintura poliuretana. Temperaturas del aire a transportar -20ºC/+100ºC en continuo.



APLICACIONES

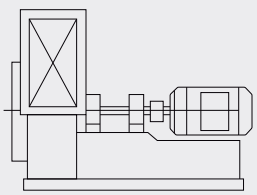
**Aire a transportar**
Muy polvoriento

**Cantidad de polvo (mg/m$^3$)**
<5000



*Rodete álabes curvados hacia adelante*

**SISTEMA 8:** acoplamiento mediante junta elástica.



Disponible bajo pedido

**Motores**
De 2 polos, de alta eficiencia IE 3*, tensión de alimentación trifásica 230/400V 50Hz hasta tamaño motor 112 y 400/690V 50Hz para motores de mayor dimensión. Protección IP55, Clase F.

* Entre 75 y 200kW, los motores suministrados serán IE4.

**Bajo pedido**
- Fabricación en diferentes materiales constructivos.
- Motores de 2 velocidades.
- Versiones de 60 Hz.
- Pintura en diferentes RAL.
- Versión sin pie soporte (Motor-Brida, Sistema 5), hasta tamaño de motor 160.
- Versión para alta temperatura: hasta 220ºC (versiones B: con rodete de refrigeración).
- SISTEMA 8: acoplamiento mediante junta elástica.
- Trampilla de inspección, purga de drenaje, distintos tipos de estanqueidad a nivel de voluta y de paso de eje.
- Ventiladores estancos.
- Calorifugado.

**Versiones ATEX**
Bajo pedido, versiones antiexplosivas según la Directiva ATEX para modelos trifásicos: Para trabajar a temperaturas de -20ºC a +60ºC, presión ambiente (absoluta) de 0,8 bar hasta 1,1 bar, según EN 14986.
- Gas:
  - Ex 2G IIB T2-T3-T4*
  - Ex 2G IIB+H2 T2-T3-T4*
  - Ex 3G IIB T2-T3-T4*
  - Ex 3G IIB+H2 T2-T3-T4*
- Polvo no conductivo:
  - Ex 2D IIIB T125ºC*-T135ºC*-T195ºC-T295ºC
  - Ex 3D IIIB T125ºC*-T135ºC*-T195ºC-T295ºC
- Polvo conductivo (con motor IP65 IIIC):
  - Ex 2D IIIC T125ºC*-T135ºC*-T195ºC-T295ºC
  - Ex 3D IIIC T125ºC*-T135ºC*-T195ºC-T295ºC

* Viabilidad técnica solicitada.

## CARACTERÍSTICAS TÉCNICAS

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación

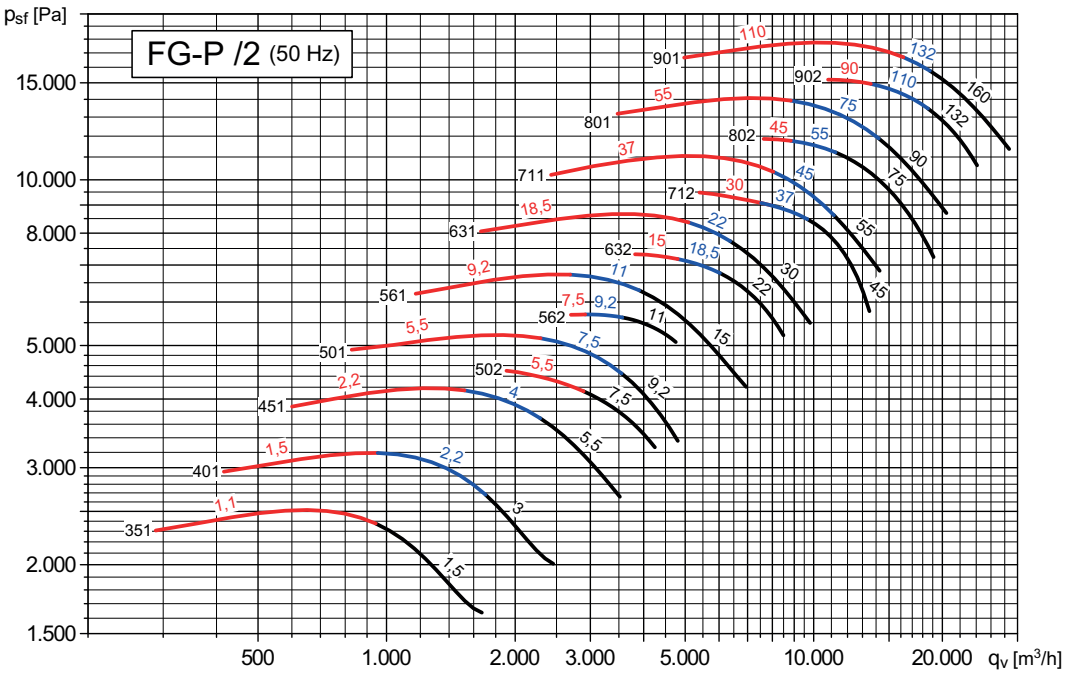
| Modelo | Tamaño motor | Velocidad (r.p.m.) | Potencia motor (kW) | Intensidad motor 400V (A) | Caudal máximo ($m^3/h$) | Nivel presión sonora a 1 m (dB(A))[1] | Peso (kg)[2] | Momento de inercia ($kg \cdot m^2$)[3] |
|---|---|---|---|---|---|---|---|---|
| 2 POLOS | | | | | | | | |
| FG 351/2 P4A | 80 B2 | 2840 | 1,1 | 2,33 | 870 | 68 | 34 | 0,07 |
| FG 351/2 P4A | 90 S2 | 2840 | 1,5 | 3,07 | 1.670 | 72 | 39 | 0,07 |
| FG 401/2 P4A | 90 S2 | 2840 | 1,5 | 3,07 | 950 | 73 | 50 | 0,13 |
| FG 401/2 P4A | 90 L2 | 2850 | 2,2 | 4,43 | 1.600 | 73 | 54 | 0,13 |
| FG 401/2 P4A | 100 LA2 | 2900 | 3,0 | 5,77 | 2.460 | 77 | 62 | 0,13 |
| FG 451/2 P4A | 100 LA2 | 2900 | 3,0 | 5,77 | 1.370 | 77 | 65 | 0,25 |
| FG 451/2 P4A | 112 M2 | 2910 | 4,0 | 7,50 | 2.140 | 77 | 81 | 0,25 |
| FG 451/2 P4A | 132 SA2 | 2890 | 5,5 | 10,10 | 3.520 | 84 | 94 | 0,25 |
| FG 502/2 P4A | 132 SA2 | 2890 | 5,5 | 10,10 | 2.770 | 84 | 109 | 0,33 |
| FG 502/2 P4A | 132 SB2 | 2890 | 7,5 | 13,90 | 4.250 | 84 | 115 | 0,33 |
| FG 501/2 P4A | 132 SA2 | 2890 | 5,5 | 10,10 | 2.290 | 84 | 110 | 0,38 |
| FG 501/2 P4A | 132 SB2 | 2890 | 7,5 | 13,90 | 3.550 | 84 | 116 | 0,38 |
| FG 501/2 P4A | 132 MB2 | 2900 | 9,2 | 16,60 | 4.810 | 84 | 124 | 0,38 |
| FG 562/2 P4A | 132 SB2 | 2890 | 7,5 | 13,90 | 2.920 | 84 | 136 | 0,53 |
| FG 562/2 P4A | 132 MB2 | 2900 | 9,2 | 16,60 | 3.560 | 85 | 144 | 0,53 |
| FG 562/2 P4A | 160 MR2 | 2930 | 11,0 | 18,70 | 4.750 | 85 | 168 | 0,53 |
| FG 561/2 P4A | 132 MB2 | 2900 | 9,2 | 16,60 | 2.690 | 85 | 146 | 0,63 |
| FG 561/2 P4A | 160 MR2 | 2930 | 11,0 | 18,70 | 3.900 | 86 | 170 | 0,63 |
| FG 561/2 P4A | 160 M2 | 2935 | 15,0 | 25,40 | 6.940 | 86 | 178 | 0,63 |
| FG 632/2 P4A | 160 M2 | 2935 | 15,0 | 25,40 | 4.310 | 86 | 198 | 0,83 |
| FG 632/2 P4A | 160 L2 | 2935 | 18,5 | 33,30 | 5.790 | 86 | 209 | 0,83 |
| FG 632/2 P4A | 180 M2 | 2940 | 22,0 | 39,00 | 8.500 | 86 | 231 | 0,83 |
| FG 631/2 P4A | 160 L2 | 2935 | 18,5 | 33,30 | 4.660 | 86 | 212 | 1,13 |
| FG 631/2 P4A | 180 M2 | 2940 | 22,0 | 39,00 | 6.380 | 86 | 234 | 1,13 |
| FG 631/2 P4A | 200 LR2 | 2960 | 30,0 | 53,50 | 9.800 | 89 | 349 | 1,13 |
| FG 712/2 P4A | 200 LR2 | 2960 | 30,0 | 53,50 | 7.530 | 90 | 391 | 1,70 |
| FG 712/2 P4A | 200 L2 | 2960 | 37,0 | 65,60 | 9.240 | 90 | 400 | 1,70 |
| FG 712/2 P4A | 225 M2 | 2960 | 45,0 | 77,60 | 13.500 | 90 | 447 | 1,70 |
| FG 711/2 P4A | 200 L2 | 2960 | 37,0 | 65,60 | 7.410 | 90 | 402 | 1,90 |
| FG 711/2 P4A | 225 M2 | 2960 | 45,0 | 77,60 | 10.530 | 90 | 451 | 1,90 |
| FG 711/2 P4A | 250 M2 | 2960 | 55,0 | 93,50 | 14.270 | 90 | 518 | 1,90 |
| FG 802/2 P4A | 225 M2 | 2960 | 45,0 | 77,60 | 8.230 | 90 | 483 | 2,60 |
| FG 802/2 P4A | 250 M2 | 2960 | 55,0 | 93,50 | 10.640 | 90 | 554 | 2,60 |
| FG 802/2 P4A | 280 S2 | 2960 | 75,0 | 126,00 | 19.080 | 90 | 654 | 2,60 |
| FG 801/2 P4A | 250 M2 | 2960 | 55,0 | 93,50 | 8.840 | 90 | 559 | 3,20 |
| FG 801/2 P4A | 280 S2 | 2960 | 75,0 | 126,00 | 13.300 | 90 | 659 | 3,20 |
| FG 801/2 P4A | 280 M2 | 2960 | 90,0 | 151,00 | 20.460 | 90 | 692 | 3,20 |
| FG 902/2 P4A | 280 M2 | 2960 | 90,0 | 151,00 | 14.310 | 91 | 839 | 3,90 |
| FG 902/2 P4A | 315 S2 | 2970 | 110,0 | 186,00 | 18.510 | 93 | 998 | 3,90 |
| FG 902/2 P4A | 315 M2 | 2970 | 132,0 | 220,00 | 24.120 | 93 | 1.026 | 3,90 |
| FG 901/2 P4A | 315 S2 | 2970 | 110,0 | 186,00 | 16.210 | 93 | 1.004 | 4,80 |
| FG 901/2 P4A | 315 M2 | 2970 | 132,0 | 220,00 | 18.700 | 93 | 1.032 | 4,80 |
| FG 901/2 P4A | 315 MG2 | 2975 | 160,0 | 263,00 | 28.690 | 93 | 1.106 | 4,80 |

[1] Entubado en la descarga
Tolerancia del nivel de ruido de +3dB/A, medido en el punto de máxima eficiencia
[2] Con motor incluido y para orientación LG270 o RD270
[3] Momento de inercia del rodete

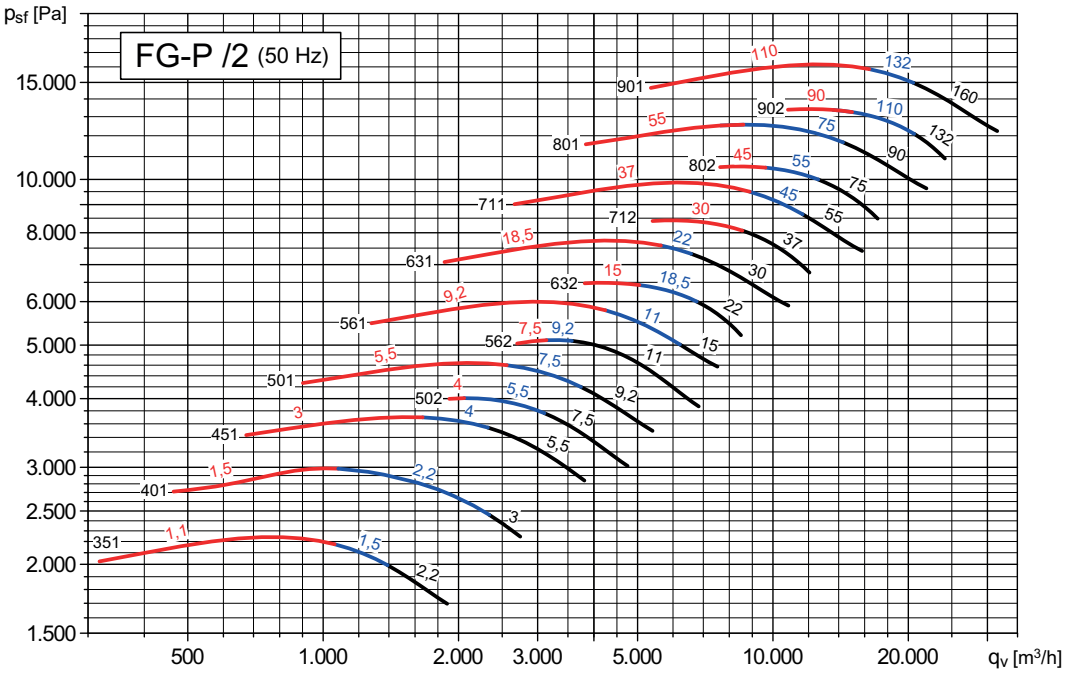
## CURVAS CARACTERÍSTICAS (a la descarga/ a la aspiración)

- Ventiladores ensayados con la aspiración y la descarga entubadas
- **Psf: Presión estática en Pa**
- Modelo - Potencia motor en kW
- Ejemplo: 801 - 55, 75 o 90
  Modelo - kW

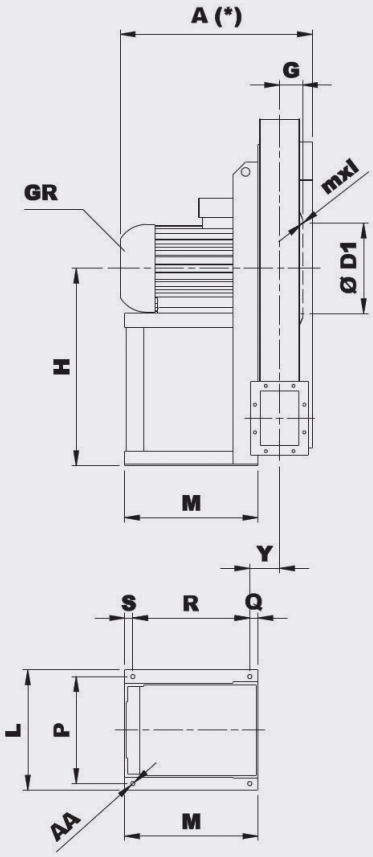
2 polos - Descarga - Modelos desde 351 hasta 901

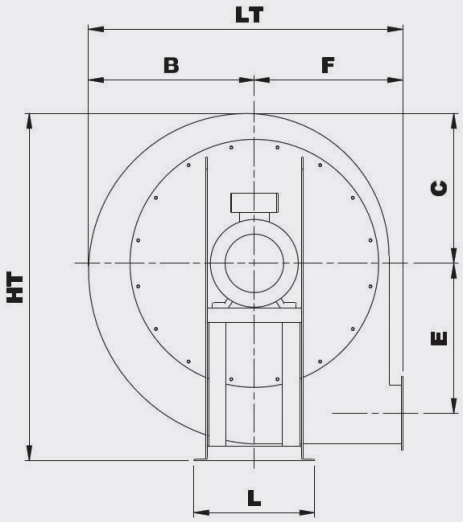



2 polos - Aspiración - Modelos desde 351 hasta 901



## DIMENSIONES (mm)



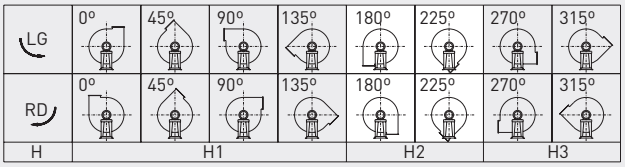






DESCARGA ORIENTABLE

EJECUCIÓN B
Con rodete de refrigeración, contactar con oficina técnica.

ORIENTACIONES




Para los ventiladores con orientaciones 180º y 225º, contactar con oficina técnica

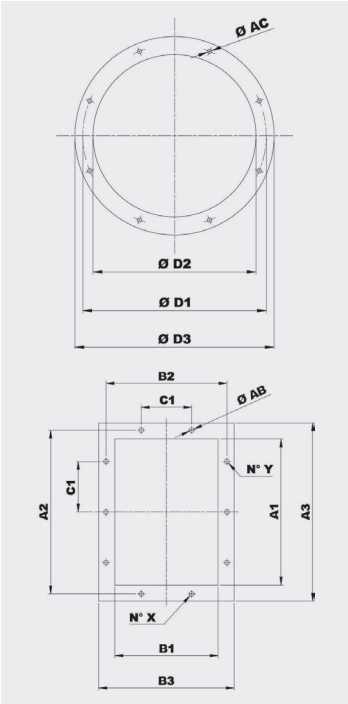
| Modelo | | | | | | | | | H | | | | | HT | mxl | Y | LT | Base | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Motor GR | A* | B | C | ØD1 | E | F | G | H1 | H2 | H3 | | | | | | | L | P | M | Q | R | S | ØAA |
| FG 351/2 P4A | 80B2 | 415 | 285 | 260 | 219 | 215 | 250 | 61 | 355 | 250 | 355 | | | 615 | M6x20 | 101 | 535 | 225 | 203 | 225 | 45 | 166 | 14 | 10 |
| FG 351/2 P4A | 90S2 | 415 | 285 | 260 | 219 | 215 | 250 | 61 | 355 | 250 | 355 | | | 615 | M6x20 | 116 | 535 | 260 | 234 | 260 | 60 | 183 | 17 | 10 |
| FG 401/2 P4A | 90S2 | 455 | 310 | 280 | 241 | 238 | 280 | 67 | 375 | 280 | 375 | | | 655 | M6x20 | 121 | 590 | 260 | 234 | 260 | 60 | 183 | 17 | 10 |
| FG 401/2 P4A | 90L2 | 455 | 310 | 280 | 241 | 238 | 280 | 67 | 375 | 280 | 375 | | | 655 | M6x20 | 121 | 590 | 260 | 234 | 260 | 60 | 183 | 17 | 10 |
| FG 401/2 P4A | 100LA2 | 490 | 310 | 280 | 241 | 238 | 280 | 67 | 375 | 280 | 375 | | | 655 | M6x20 | 84 | 590 | 324 | 289 | 295 | 23 | 249 | 23 | 12 |
| FG 451/2 P4A | 132SA2 | 575 | 345 | 315 | 265 | 265 | 300 | 76 | 400 | 300 | 400 | | | 715 | M6x20 | 93 | 645 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| FG 451/2 P4A | 100LA2 | 515 | 345 | 315 | 265 | 265 | 300 | 76 | 400 | 300 | 400 | | | 715 | M6x20 | 93 | 645 | 324 | 289 | 295 | 23 | 249 | 23 | 12 |
| FG 451/2 P4A | 112M2 | 555 | 345 | 315 | 265 | 265 | 300 | 76 | 400 | 300 | 400 | | | 715 | M6x20 | 93 | 645 | 324 | 289 | 310 | 23 | 264 | 23 | 12 |
| FG 501/2 P4A | 132SA2 | 625 | 380 | 350 | 292 | 297 | 335 | 83 | 450 | 335 | 450 | | | 800 | M8x25 | 101 | 715 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| FG 501/2 P4A | 132SB2 | 625 | 380 | 350 | 292 | 297 | 335 | 83 | 450 | 335 | 450 | | | 800 | M8x25 | 101 | 715 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| FG 501/2 P4A | 132MB2 | 625 | 380 | 350 | 292 | 297 | 335 | 83 | 450 | 335 | 450 | | | 800 | M8x25 | 101 | 715 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| FG 502/2 P4A | 112MA2 | 565 | 380 | 350 | 292 | 297 | 335 | 83 | 450 | 335 | 450 | | | 800 | M8x25 | 101 | 715 | 324 | 289 | 310 | 23 | 264 | 23 | 12 |
| FG 502/2 P4A | 132SA2 | 625 | 380 | 350 | 292 | 297 | 335 | 83 | 450 | 335 | 450 | | | 800 | M8x25 | 101 | 715 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| FG 502/2 P4A | 132SB2 | 625 | 380 | 350 | 292 | 297 | 335 | 83 | 450 | 335 | 450 | | | 800 | M8x25 | 101 | 715 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| FG 561/2 P4A | 132MB2 | 670 | 430 | 390 | 332 | 337 | 375 | 92 | 500 | 375 | 500 | | | 890 | M8x25 | 110 | 805 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| FG 561/2 P4A | 160MR2 | 750 | 430 | 390 | 332 | 337 | 375 | 92 | 500 | 375 | 500 | | | 890 | M8x25 | 115 | 805 | 440 | 395 | 470 | 28 | 414 | 28 | 14 |
| FG 561/2 P4A | 160M2 | 750 | 430 | 390 | 332 | 337 | 375 | 92 | 500 | 375 | 500 | | | 890 | M8x25 | 115 | 805 | 440 | 395 | 470 | 28 | 414 | 28 | 14 |
| FG 562/2 P4A | 132SB2 | 670 | 430 | 390 | 332 | 337 | 375 | 92 | 500 | 375 | 500 | | | 890 | M8x25 | 110 | 805 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| FG 562/2 P4A | 160MR2 | 750 | 430 | 390 | 332 | 337 | 375 | 92 | 500 | 375 | 500 | | | 890 | M8x25 | 115 | 805 | 440 | 395 | 470 | 28 | 414 | 28 | 14 |
| FG 562/2 P4A | 132MB2 | 670 | 430 | 390 | 332 | 337 | 375 | 92 | 500 | 375 | 500 | | | 890 | M8x25 | 110 | 805 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |

* Según tamaño motor

## FG-P

| Modelo | | | | | | | | | | | | | | | Base | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Motor GR | A* | B | C | ØD1 | E | F | G | H | | | HT | mxl | Y | LT | L | P | M | Q | R | S | ØAA |
| | | | | | | | | | H1 | H2 | H3 | | | | | | | | | | | |
| FG 631/2 P4A | 160L2 | 770 | 485 | 440 | 366 | 381 | 425 | 104 | 560 | 425 | 560 | 1000 | M8x25 | 126 | 910 | 440 | 395 | 470 | 28 | 414 | 28 | 14 |
| FG 631/2 P4A | 180M2 | 815 | 485 | 440 | 366 | 381 | 425 | 104 | 560 | 425 | 560 | 1000 | M8x25 | 131 | 910 | 488 | 434 | 540 | 33 | 474 | 33 | 17 |
| FG 631/2 P4A | 200LR2 | 940 | 485 | 440 | 366 | 381 | 425 | 104 | 560 | 425 | 560 | 1000 | M8x25 | 178 | 910 | 568 | 506 | 542 | 80 | 423 | 39 | 19 |
| FG 632/2 P4A | 160L2 | 770 | 485 | 440 | 366 | 381 | 425 | 104 | 560 | 425 | 560 | 1000 | M8x25 | 126 | 910 | 440 | 395 | 470 | 28 | 414 | 28 | 14 |
| FG 632/2 P4A | 160M2 | 770 | 485 | 440 | 366 | 381 | 425 | 104 | 560 | 425 | 560 | 1000 | M8x25 | 126 | 910 | 440 | 395 | 470 | 28 | 414 | 28 | 14 |
| FG 632/2 P4A | 180M2 | 815 | 485 | 440 | 366 | 381 | 425 | 104 | 560 | 425 | 560 | 1000 | M8x25 | 131 | 910 | 488 | 434 | 540 | 33 | 474 | 33 | 17 |
| FG 711/2 P4A | 200L2 | 955 | 540 | 490 | 405 | 426 | 475 | 115 | 630 | 475 | 630 | 1120 | M8x25 | 189 | 1015 | 568 | 506 | 539 | 80 | 420 | 39 | 19 |
| FG 711/2 P4A | 225M2 | 980 | 540 | 490 | 405 | 426 | 475 | 115 | 630 | 475 | 630 | 1120 | M8x25 | 189 | 1015 | 616 | 556 | 579 | 80 | 460 | 39 | 19 |
| FG 711/2 P4A | 250M2 | 1045 | 540 | 490 | 405 | 426 | 475 | 115 | 630 | 475 | 630 | 1120 | M8x25 | 199 | 1015 | 676 | 604 | 639 | 90 | 505 | 44 | 19 |
| FG 712/2 P4A | 200L2 | 955 | 540 | 490 | 405 | 426 | 475 | 115 | 630 | 475 | 630 | 1120 | M8x25 | 189 | 1015 | 568 | 506 | 539 | 80 | 420 | 39 | 19 |
| FG 712/2 P4A | 200LR2 | 955 | 540 | 490 | 405 | 426 | 475 | 115 | 630 | 475 | 630 | 1120 | M8x25 | 189 | 1015 | 568 | 506 | 539 | 80 | 420 | 39 | 19 |
| FG 712/2 P4A | 225M2 | 980 | 540 | 490 | 405 | 426 | 475 | 115 | 630 | 475 | 630 | 1120 | M8x25 | 189 | 1015 | 616 | 556 | 579 | 80 | 460 | 39 | 19 |
| FG 801/2 P4A | 280M2 | 1240 | 610 | 550 | 448 | 481 | 530 | 127 | 710 | 530 | 710 | 1260 | M8x25 | 221 | 1140 | 770 | 690 | 750 | 100 | 600 | 50 | 21 |
| FG 801/2 P4A | 280S2 | 1240 | 610 | 550 | 448 | 481 | 530 | 127 | 710 | 530 | 710 | 1260 | M8x25 | 221 | 1140 | 770 | 690 | 750 | 100 | 600 | 50 | 21 |
| FG 801/2 P4A | 250M2 | 1090 | 610 | 550 | 448 | 481 | 530 | 127 | 710 | 530 | 710 | 1260 | M8x25 | 211 | 1140 | 676 | 604 | 660 | 90 | 526 | 44 | 19 |
| FG 802/2 P4A | 225M2 | 1030 | 610 | 550 | 448 | 481 | 530 | 127 | 710 | 530 | 710 | 1260 | M8x25 | 201 | 1140 | 616 | 556 | 600 | 80 | 481 | 39 | 19 |
| FG 802/2 P4A | 250M2 | 1090 | 610 | 550 | 448 | 481 | 530 | 127 | 710 | 530 | 710 | 1260 | M8x25 | 211 | 1140 | 676 | 604 | 660 | 90 | 526 | 44 | 19 |
| FG 802/2 P4A | 280S2 | 1240 | 610 | 550 | 448 | 481 | 530 | 127 | 710 | 530 | 710 | 1260 | M8x25 | 221 | 1140 | 770 | 690 | 750 | 100 | 600 | 50 | 21 |
| FG 901/2 P4A | 315M2 | 1300 | 685 | 620 | 497 | 542 | 600 | 144 | 800 | 600 | 800 | 1420 | M8x25 | 245 | 1285 | 850 | 760 | 800 | 110 | 635 | 55 | 21 |
| FG 901/2 P4A | 315MG2 | 1300 | 685 | 620 | 497 | 542 | 600 | 144 | 800 | 600 | 800 | 1420 | M8x25 | 245 | 1285 | 850 | 760 | 800 | 110 | 635 | 55 | 21 |
| FG 901/2 P4A | 315S2 | 1300 | 685 | 620 | 497 | 542 | 600 | 144 | 800 | 600 | 800 | 1420 | M8x25 | 245 | 1285 | 850 | 760 | 800 | 110 | 635 | 55 | 21 |
| FG 902/2 P4A | 280M2 | 1210 | 685 | 620 | 497 | 542 | 600 | 144 | 800 | 600 | 800 | 1420 | M8x25 | 235 | 1285 | 770 | 690 | 690 | 100 | 540 | 50 | 21 |

* Según tamaño motor




Brida aspiración

| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 351 | 180 | 219 | 184 | 254 | 8 | 8 |
| 401 | 200 | 241 | 204 | 274 | 8 | 8 |
| 451 | 224 | 265 | 228 | 298 | 8 | 8 |
| 501 | 250 | 292 | 254 | 324 | 10 | 8 |
| 561 | 280 | 332 | 285 | 365 | 10 | 8 |
| 631 | 315 | 366 | 320 | 400 | 10 | 8 |
| 711 | 355 | 405 | 360 | 440 | 10 | 8 |
| 801 | 400 | 448 | 405 | 485 | 10 | 12 |
| 901 | 450 | 497 | 455 | 535 | 10 | 12 |

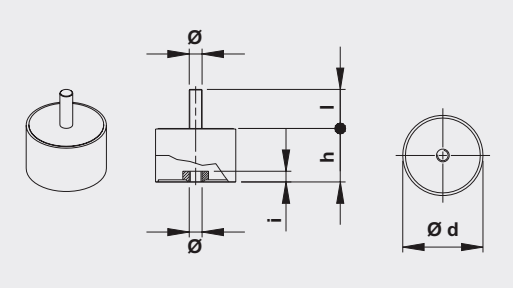
Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 351 | 140x100 | 146 | 105 | 182 | 139 | 216 | 175 | 112 | 12 | 1+1 | 2+2 |
| 401 | 160x112 | 164 | 117 | 200 | 151 | 234 | 187 | 112 | 12 | 1+1 | 2+2 |
| 451 | 180x125 | 183 | 131 | 219 | 165 | 253 | 201 | 112 | 12 | 1+1 | 2+2 |
| 501 | 200x140 | 205 | 146 | 241 | 182 | 275 | 216 | 112 | 12 | 2+2 | 2+2 |
| 561 | 224x160 | 229 | 164 | 265 | 200 | 299 | 234 | 112 | 12 | 2+2 | 2+2 |
| 631 | 250x180 | 256 | 183 | 292 | 219 | 326 | 253 | 112 | 12 | 2+2 | 3+3 |
| 711 | 280x200 | 288 | 205 | 332 | 249 | 368 | 285 | 125 | 12 | 2+2 | 3+3 |
| 801 | 315x224 | 322 | 229 | 366 | 273 | 402 | 309 | 125 | 12 | 2+2 | 3+3 |
| 901 | 355x250 | 361 | 256 | 405 | 300 | 441 | 336 | 125 | 12 | 2+2 | 3+3 |

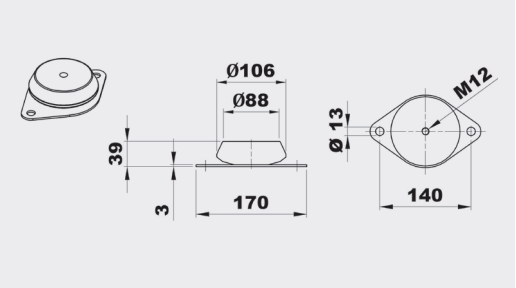
## AMORTIGUADORES

Amortiguadores recomendados

| Ventilador | Ejecución 4 |
|---|---|
| 351 | 4 x AM20 - 20x20 |
| 401 | 4 x AM25 - 25x20 |
| 451 | 4 x AM25 - 25x20 |
| 501/2 | 4 x AM30 - 30x30 |
| 561/2 | 4 x AM40 - 40x30 |
| 631/2 | 4 x AM50 - 50x40 |
| 711/2 | 4 x AM75 - 75x50 |
| 801/2 | 4 x AM75 - 75x50 |
| 901/2 | 4 x AZ 39 - 140x39 |

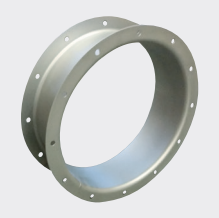



| Tipo | Carga para 4 soportes (kg) | d | h | Ø | l | Peso (kg) |
|---|---|---|---|---|---|---|
| AM 20 | 11÷40 | 20 | 20 | M6 | 15 | 0,02 |
| AM 25 | 41÷80 | 25 | 20 | M6 | 18 | 0,03 |
| AM 30 | 81÷140 | 30 | 30 | M8 | 20 | 0,05 |
| AM 40 | 141÷224 | 40 | 30 | M8 | 23 | 0,10 |
| AM 50 | 225÷315 | 50 | 40 | M10 | 28 | 0,20 |
| AM 75 | 316÷630 | 75 | 50 | M12 | 37 | 0,50 |

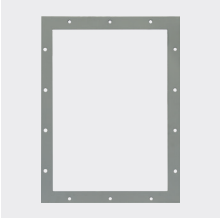



| Tipo | Carga para 4 soportes (kg) | Peso (kg) |
|---|---|---|
| AZ 39 | 631÷1250 | 0,7 |

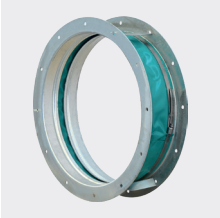
## ACCESORIOS



**CA (CFH1) - CFH2 - CFH3**
Contrabrida - Brida plana circular.



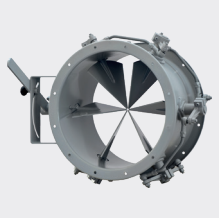
**CP**
Brida plana rectangular.



**GA**
Junta flexible aspiración.



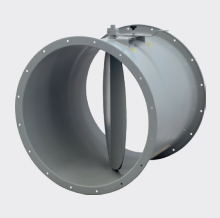
**GP**
Junta flexible descarga.



**DP**
Regulador de caudal de aspiración.



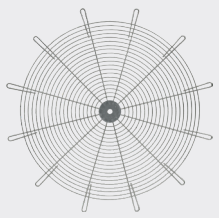
**SAD**
Compuerta de regulación de caudal de descarga.



**SF**
Vávula mariposa.



**DF**
Filtro en la aspiración.



**RC**
Rejilla de protección para la aspiración.



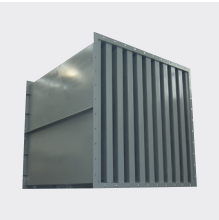
**AM/AZ**
Soportes antivibratorios.



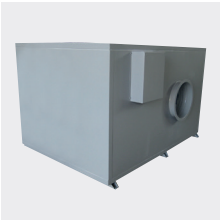
**SCSO**
Silenciador cilíndrico.



**SCCO**
Silenciador cilíndrico con bulbo.



**SASS**
Silenciador rectangular.



**CI**
Cabina de insonorización.

Ver información completa en página **772**.

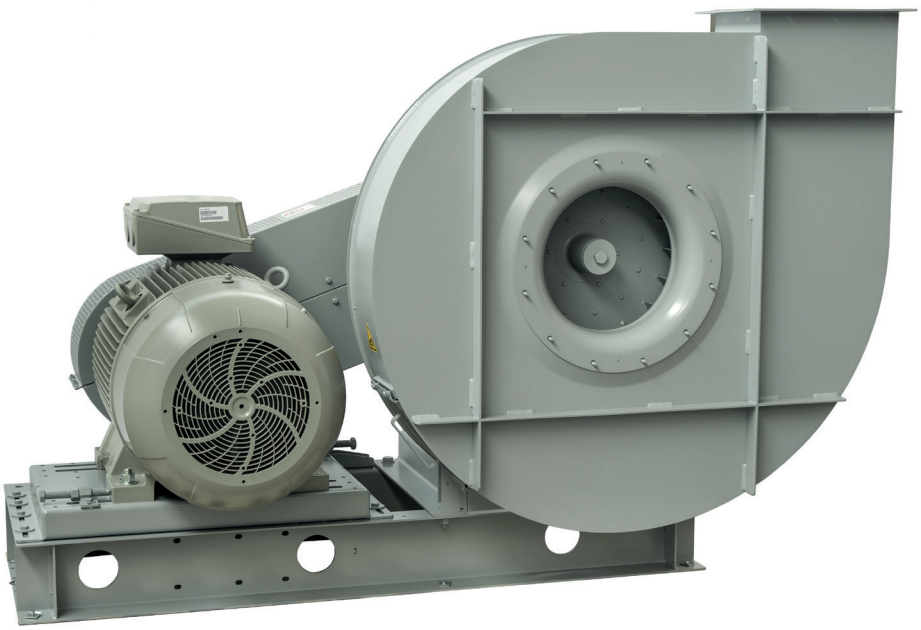
# FG-P

## VENTILADORES CENTRÍFUGOS DE ALTA PRESIÓN

*TRANSMISIÓN*



Ventilador centrífugo con accionamiento por poleas y correas y simple aspiración. Fabricados en chapa de acero protegida contra la corrosión mediante tratamiento por cataforesis + pintura poliuretana. Temperaturas del aire a transportar -20ºC/+100ºC en continuo.



APLICACIONES

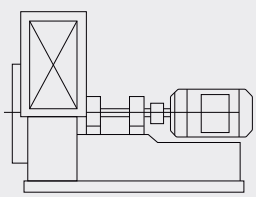
**Aire a transportar**
Muy polvoriento

**Cantidad de polvo (mg/m³)**
<5000



*Rodete álabes curvados hacia adelante*

**SISTEMA 8:** acoplamiento mediante junta elástica.



Disponible bajo pedido

### Sistemas de montaje

- SISTEMA 1: eje libre, para acoplamiento mediante poleas y correas.
- SISTEMA 9: incluye motor, poleas, correas y protector de correas. Motor montado en el lateral del pie soporte rodamientos.
- SISTEMA 12: incluye motor, poleas, correas y protector de correas. Motor montado sobre la bancada general.

### Motores

De 2, 4 o 6 polos, de alta eficiencia IE 3* (las r.p.m. de cada motor se adaptarán al cálculo de cada transmisión), tensión de alimentación trifásica 230/400V 50Hz hasta tamaño motor 112 y 400/690V 50Hz para motores de mayor dimensión. Protección IP55, Clase F.

* Entre 75 y 200kW, los motores suministrados serán IE4.

### Bajo pedido

- Fabricación en diferentes materiales constructivos.
- Motores de 2 velocidades.
- Versiones de 60 Hz.
- Pintura en diferentes RAL.
- Versión para alta temperatura: hasta 300ºC (versiones B: con rodete de refrigeración).
- Trampilla de inspección, purga de drenaje, distintos tipos de estanqueidad a nivel de voluta y de paso de eje.
- Ventiladores estancos.
- Calorifugado.

### Versiones ATEX

Bajo pedido, versiones antiexplosivas según la Directiva ATEX para modelos trifásicos: Para trabajar a temperaturas de -20ºC a +60ºC, presión ambiente (absoluta) de 0,8 bar hasta 1,1 bar, según EN 14986.

- Gas:
  - Ex 2G IIB T2-T3
  - Ex 2G IIB+H2 T2-T3
  - Ex 3G IIB T2-T3
  - Ex 3G IIB+H2 T2-T3
- Polvo no conductivo:
  - Ex 2D IIIB T195°C-T295°C
  - Ex 3D IIIB T195°C-T295°C
- Polvo conductivo (con motor IP65 IIIC):
  - Ex 2D IIIC T195°C-T295°C
  - Ex 3D IIIC T195°C-T295°C

## CARACTERÍSTICAS TÉCNICAS

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación.

| Modelo | Caudal máximo ($m^3/h$) | Potencia motor máxima (kW) | Peso (kg)[1] | Momento de inercia ($kg \cdot m^2$)[2] |
|---|---|---|---|---|
| FG 351 P1A | 2.940 | 7,5 | 31 | 0,06 |
| FG 401 P1A | 3.880 | 11,0 | 54 | 0,13 |
| FG 451 P1A | 5.480 | 15,0 | 66 | 0,25 |
| FG 501 P1A | 6.630 | 18,5 | 86 | 0,40 |
| FG 561 P1A | 9.460 | 30,0 | 121 | 0,65 |
| FG 631 P1A | 11.760 | 45,0 | 171 | 1,20 |
| FG 711 P1A | 17.120 | 55,0 | 238 | 1,90 |
| FG 801 P1A | 21.770 | 75,0 | 300 | 3,10 |
| FG 901 P1A | 30.380 | 132,0 | 470 | 4,80 |

[1] Para ejecución 1 y orientación LG270 o RD270
[2] Momento de inercia del rodete

SOPORTES SISTEMA 1

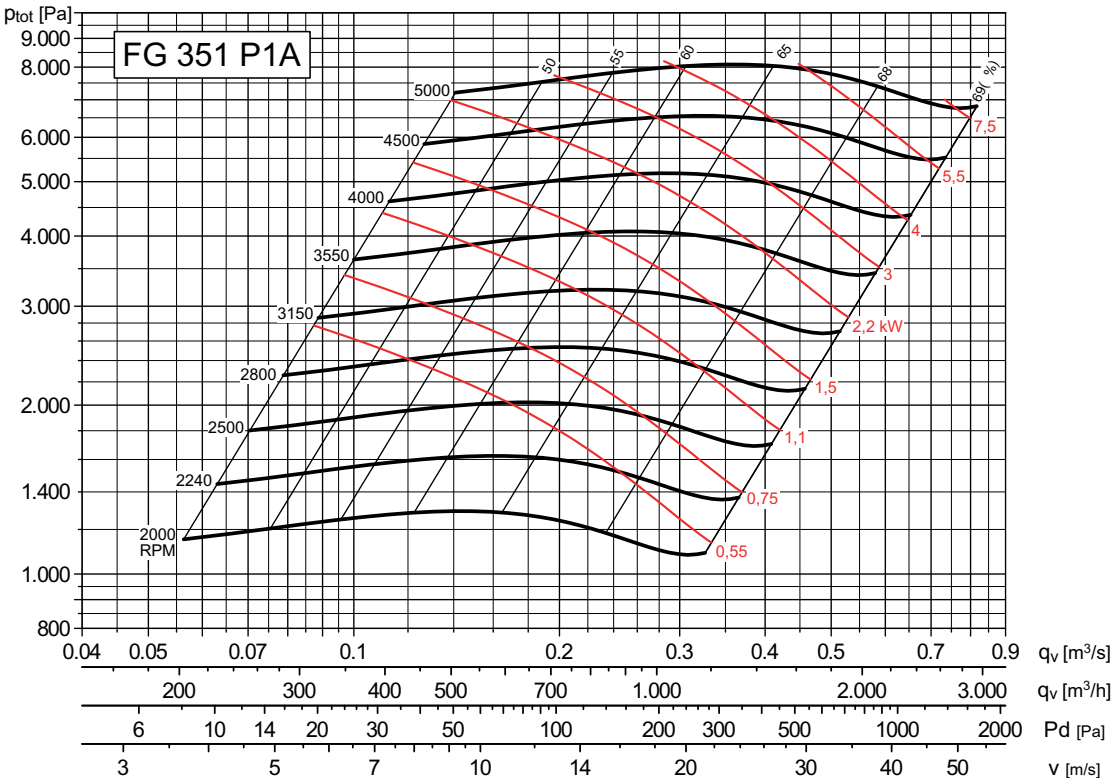
| Modelo | 351 | 401 | 451-501 | 561 | 631 | 711 | 801 | 901 |
|---|---|---|---|---|---|---|---|---|
| Soporte tipo | ST 62 A24 | ST 80 A28 | ST 90 A38 | ST 100 A42 | ST 110 B48 | ST 120 B48 | ST 130 B55 | ST 150 B65 |

MOTORES SISTEMA 9

| Modelo | 351 | 401-501 | 561-631 | 711-801 | 901 |
|---|---|---|---|---|---|
| Tamaño motor | ≤ 100 L2 | ≤ 132 M2 | ≤ 160 L2 | ≤ 180 L2-4 | ≤ 200 L2-4 |

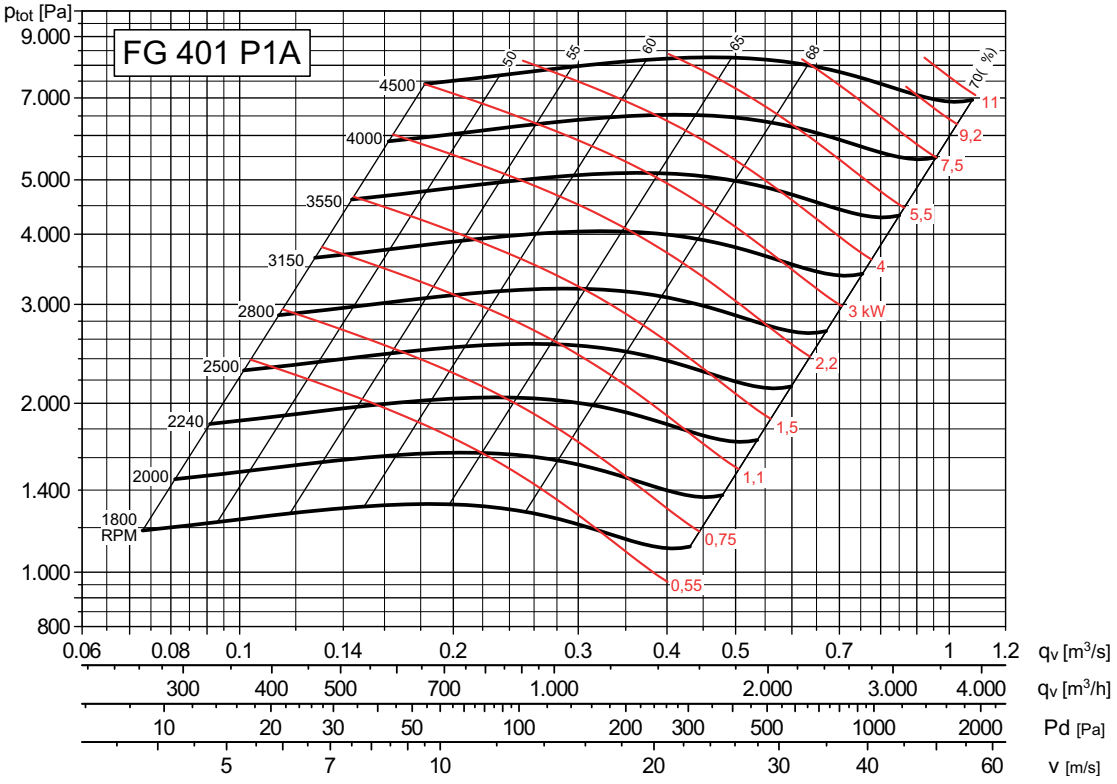
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 4750 rpm
101 ÷ 220°C = 4250 rpm
201 ÷ 300°C = 3750 rpm

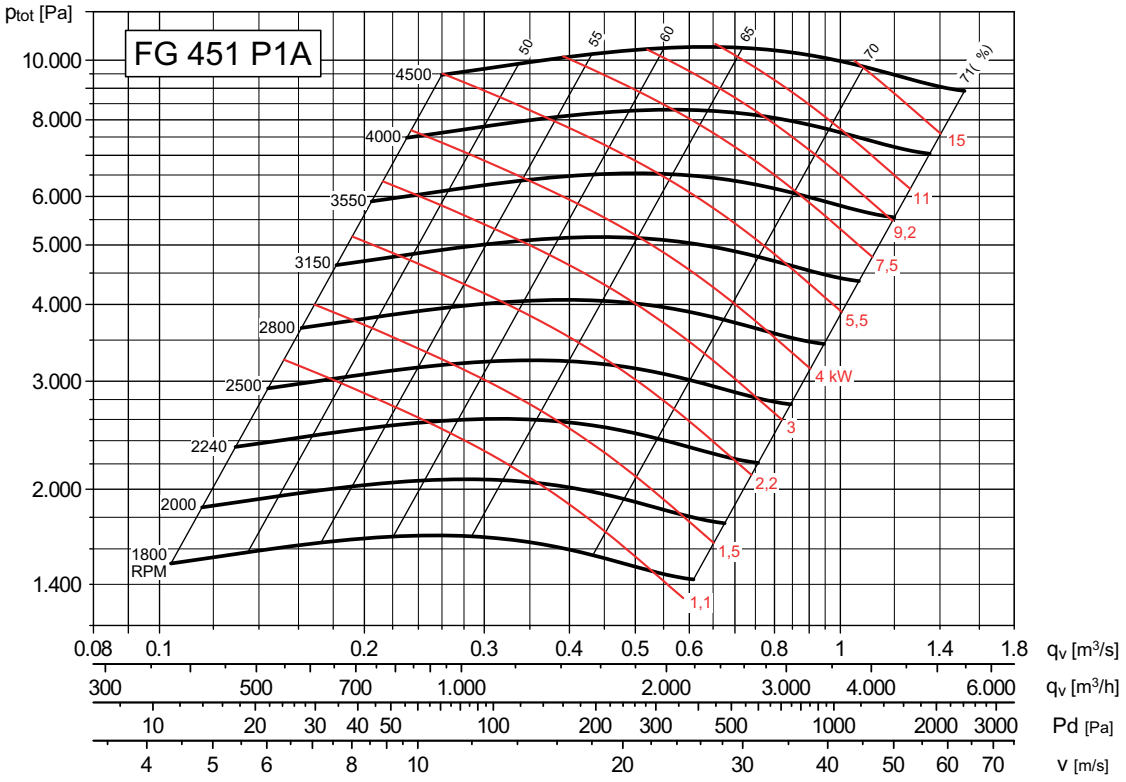



MAX. RPM

≤ 100°C = 4500 rpm
101 ÷ 220°C = 4000 rpm
201 ÷ 300°C = 3550 rpm

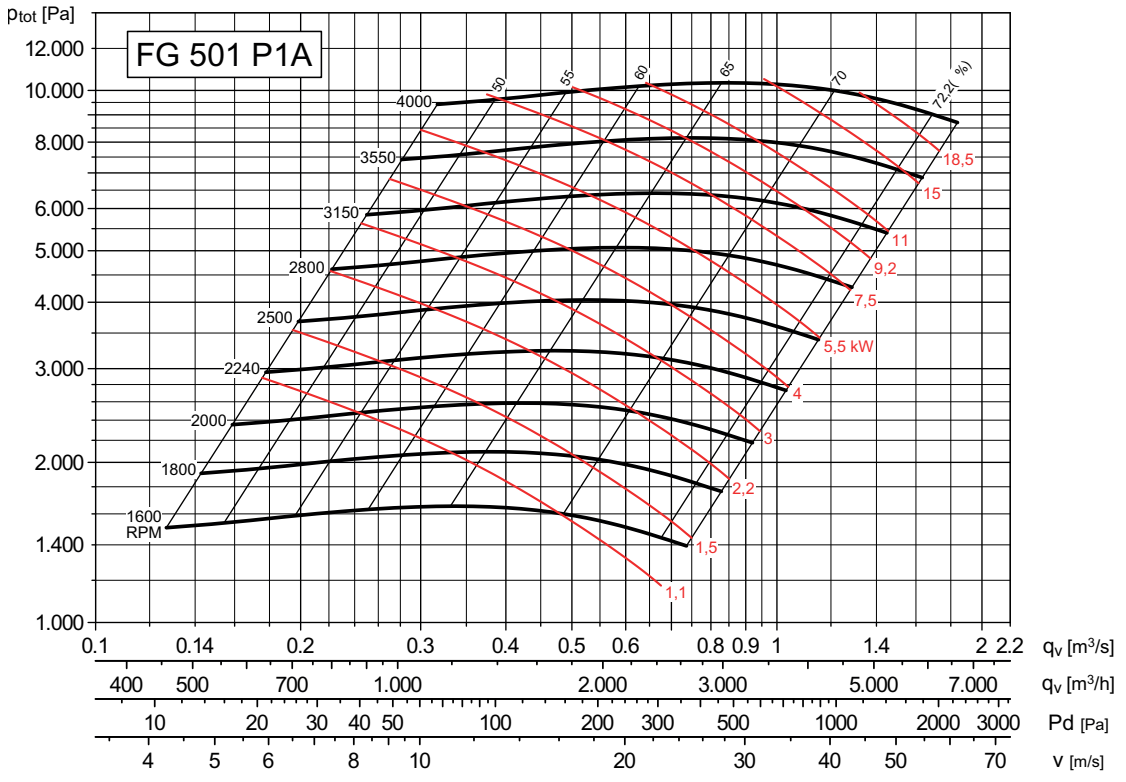
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 4250 rpm
101 ÷ 220°C = 3750 rpm
201 ÷ 300°C = 3350 rpm

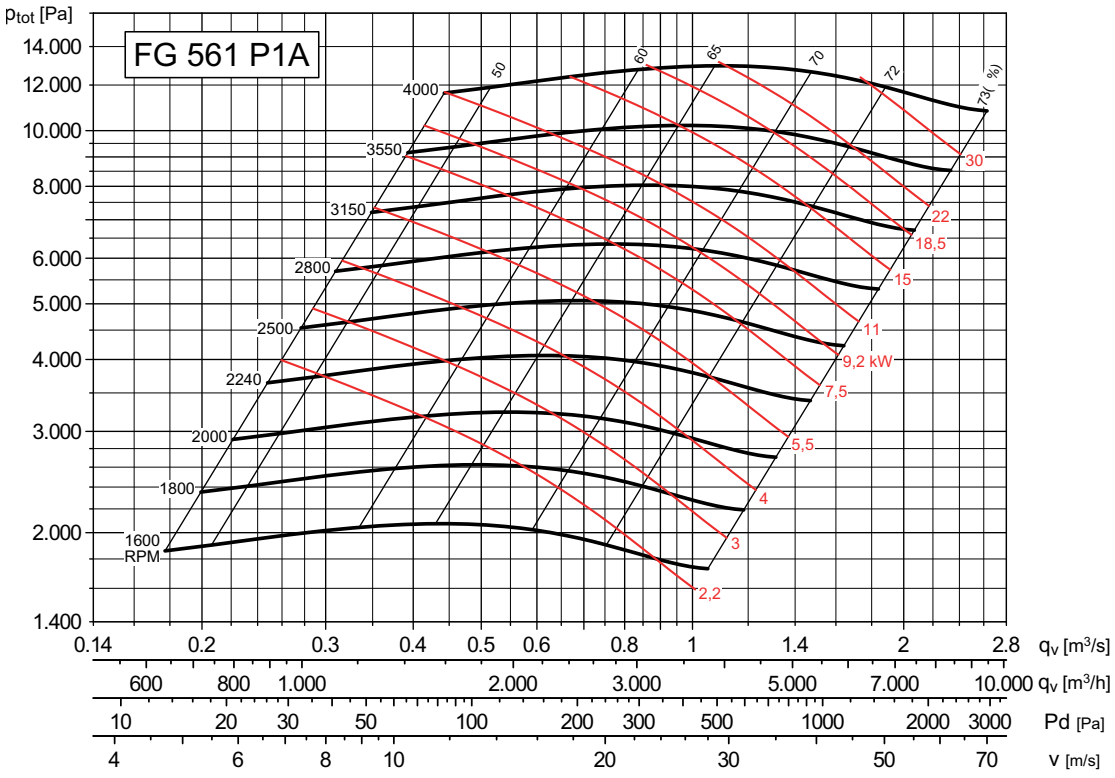



MAX. RPM

≤ 100°C = 4000 rpm
101 ÷ 220°C = 3550 rpm
201 ÷ 300°C = 3150 rpm

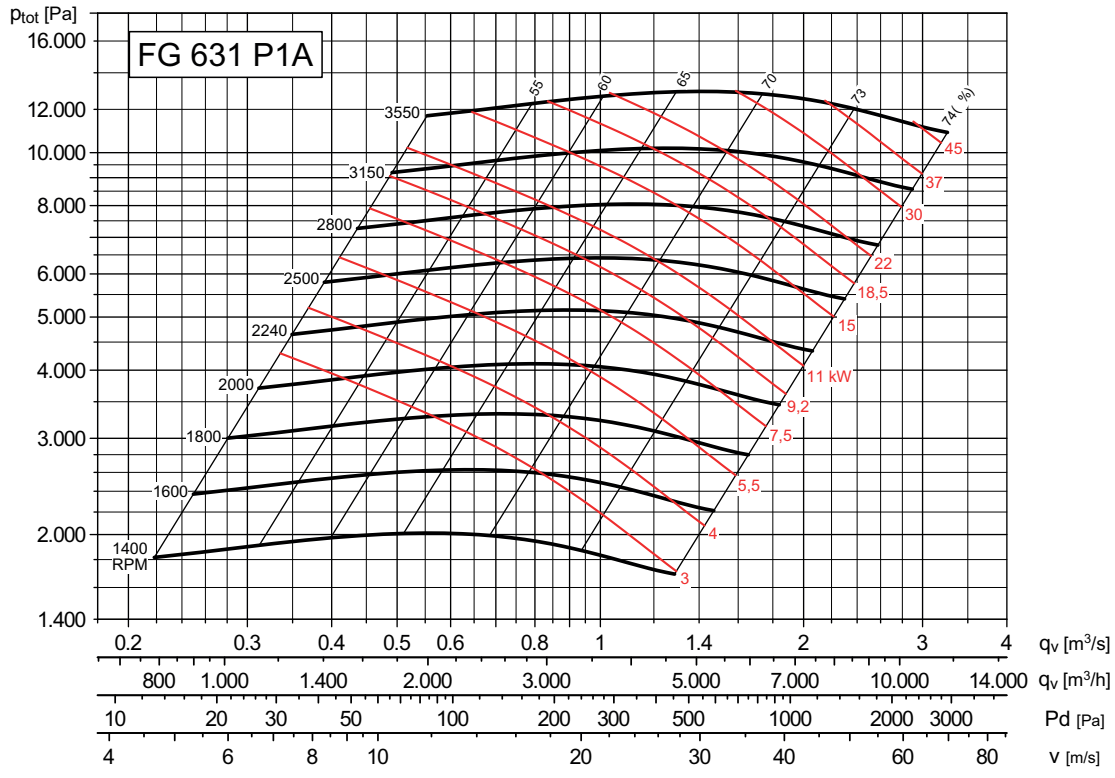
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 3750 rpm
101 ÷ 220°C = 3350 rpm
201 ÷ 300°C = 3000 rpm

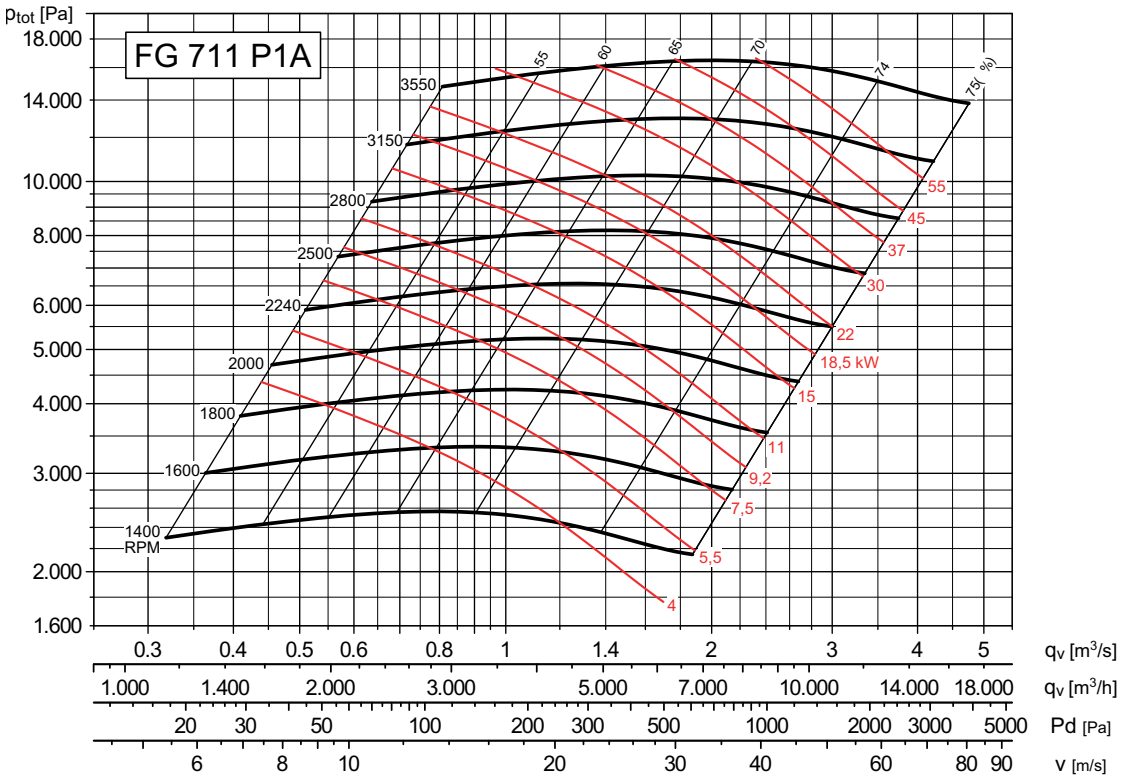



MAX. RPM

≤ 100°C = 3550 rpm
101 ÷ 220°C = 3150 rpm
201 ÷ 300°C = 2800 rpm

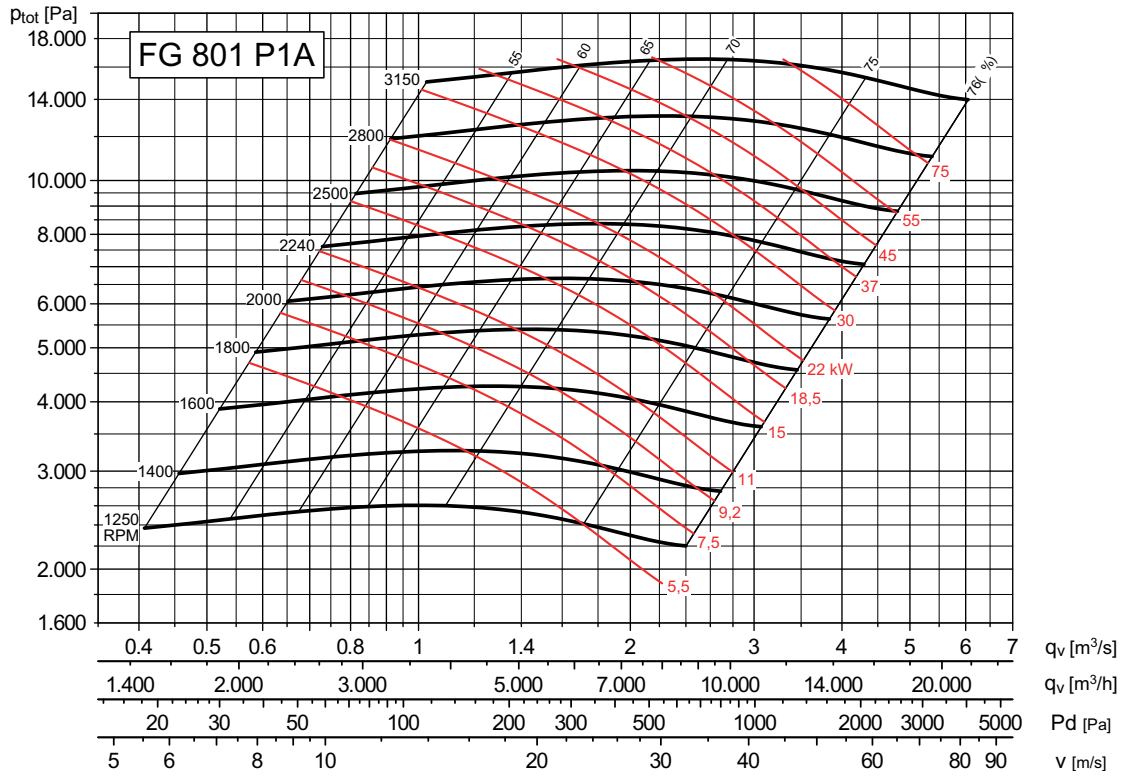
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 3350 rpm
101 ÷ 220°C = 3000 rpm
201 ÷ 300°C = 2650 rpm

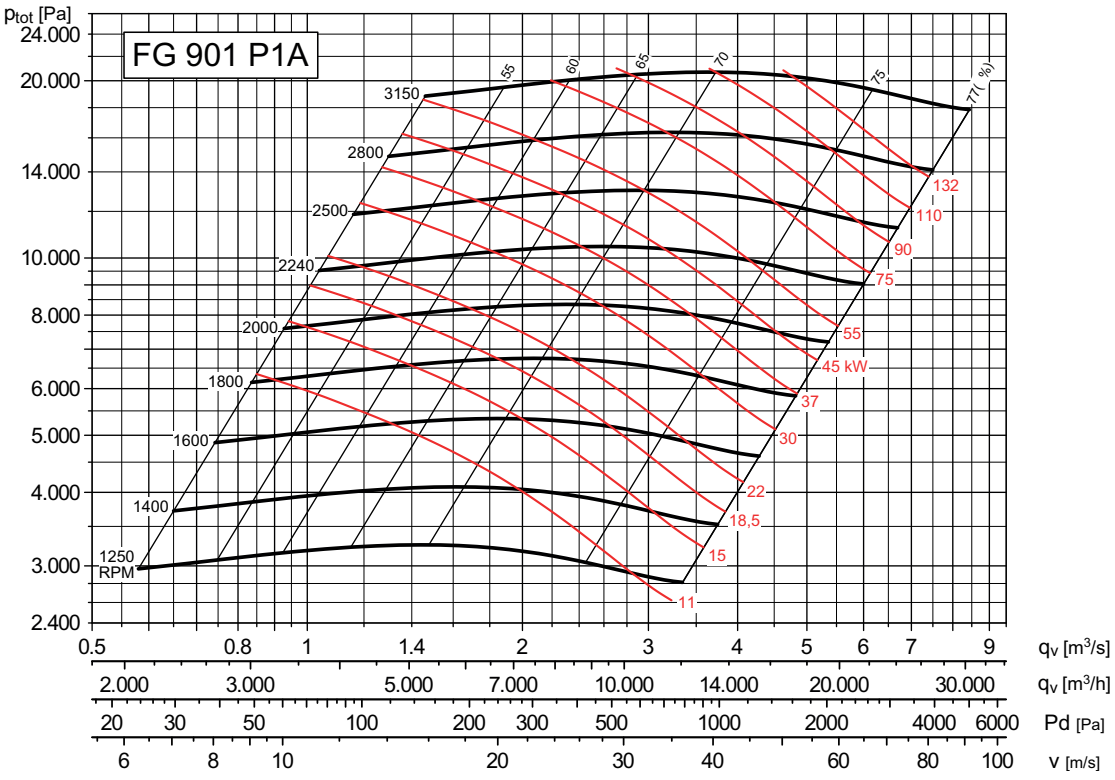



MAX. RPM

≤ 100°C = 3150 rpm
101 ÷ 220°C = 2800 rpm
201 ÷ 300°C = 2500 rpm

## CURVAS CARACTERÍSTICAS (a la descarga)

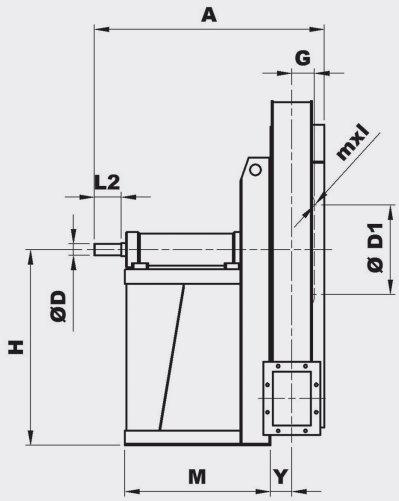
**– Ptot: Presión total en Pa**

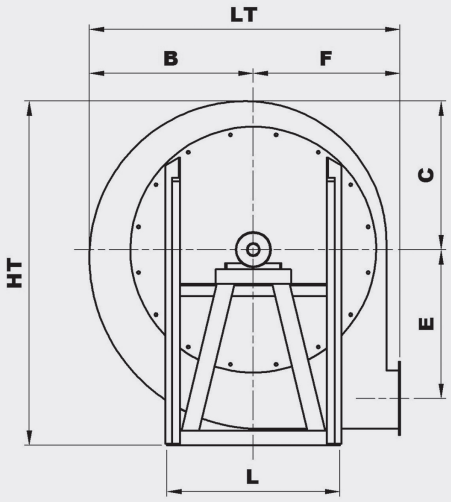


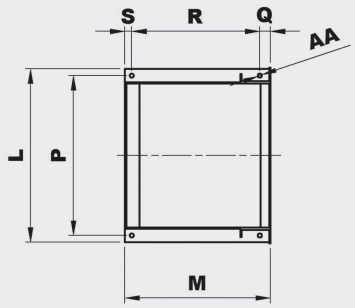

MAX. RPM

≤ 100°C = 3000 rpm
101 ÷ 220°C = 2650 rpm
201 ÷ 300°C = 2360 rpm

## DIMENSIONES (mm)



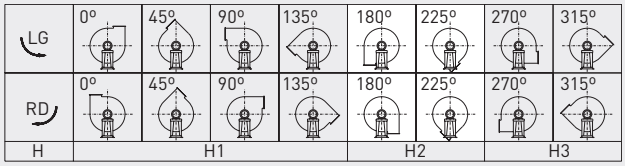






DESCARGA ORIENTABLE

EJECUCIÓN B
Con rodete de refrigeración, contactar con oficina técnica.

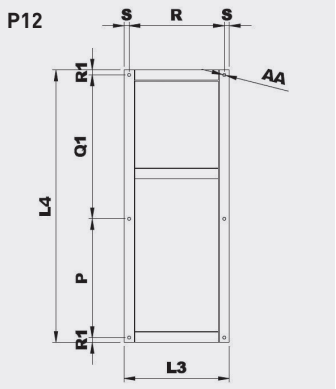
ORIENTACIONES




Para estas orientaciones, contactar con oficina técnica

| Modelo | A | B | C | ØD1 | E | F | G | H | | | HT | mxl | Y | LT | Eje | | Base | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | H1 | H2 | H3 | | | | | L2 | ØD | L | P | M | Q | R | S | ØAA |
| FG 351 P1A | 540 | 285 | 260 | 219 | 215 | 250 | 61 | 355 | 250 | 355 | 615 | M6x20 | 56 | 535 | 50 | 24 | 324 | 288 | 333 | 17 | 299 | 17 | 12 |
| FG 401 P1A | 700 | 310 | 280 | 241 | 238 | 280 | 67 | 375 | 280 | 375 | 655 | M6x20 | 61 | 590 | 60 | 28 | 400 | 355 | 463 | 23 | 417 | 23 | 14 |
| FG 451 P1A | 700 | 345 | 315 | 265 | 265 | 300 | 76 | 400 | 300 | 400 | 715 | M6x20 | 70 | 645 | 80 | 38 | 400 | 355 | 475 | 40 | 412 | 23 | 14 |
| FG 501 P1A | 760 | 380 | 350 | 292 | 297 | 335 | 83 | 450 | 335 | 450 | 800 | M8x25 | 78 | 715 | 80 | 38 | 400 | 355 | 463 | 23 | 417 | 23 | 14 |
| FG 561 P1A | 905 | 430 | 390 | 332 | 337 | 375 | 92 | 500 | 375 | 500 | 890 | M8x25 | 87 | 805 | 110 | 42 | 418 | 364 | 571 | 67 | 476 | 28 | 17 |
| FG 631 P1A | 920 | 485 | 440 | 366 | 381 | 425 | 104 | 560 | 425 | 560 | 1000 | M8x25 | 98 | 910 | 110 | 48 | 418 | 364 | 565 | 58 | 479 | 28 | 17 |
| FG 711 P1A | 1010 | 540 | 490 | 405 | 426 | 475 | 115 | 530 | 475 | 630 | 1120 | M8x25 | 109 | 1015 | 110 | 48 | 606 | 542 | 629 | 57 | 539 | 33 | 19 |
| FG 801 P1A | 1055 | 610 | 550 | 448 | 481 | 530 | 127 | 600 | 530 | 710 | 1260 | M8x25 | 121 | 1140 | 110 | 55 | 646 | 582 | 650 | 69 | 548 | 33 | 19 |
| FE 901 P1A | 1150 | 685 | 620 | 497 | 542 | 600 | 144 | 670 | 600 | 800 | 1420 | M8x25 | 135 | 1285 | 140 | 65 | 762 | 682 | 650 | 39 | 572 | 39 | 21 |

P12

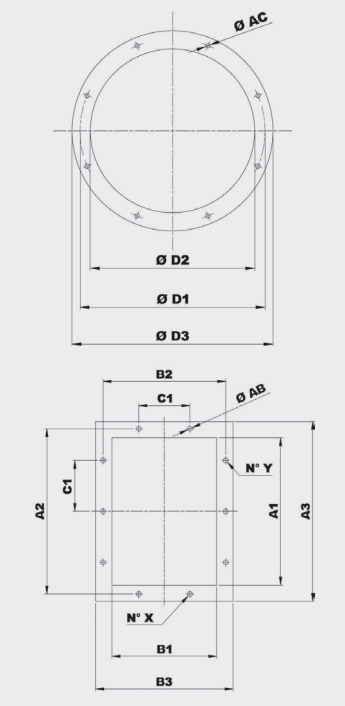



Bancada ejecución 12

| Modelo | P | L3 | L4 | Q1 | R | R1 | S | ØAA | Peso (kg) |
|---|---|---|---|---|---|---|---|---|---|
| 351 P12A | 288 | 333 | 850 | 526 | 299 | 18 | 17 | 12 | 16 |
| 401 P12A | 355 | 463 | 1050 | 650 | 417 | 22,5 | 23 | 14 | 24 |
| 451 P12A | 355 | 458 | 1060 | 660 | 412 | 22,5 | 23 | 14 | 33 |
| 501 P12A | 355 | 463 | 1120 | 720 | 417 | 22,5 | 23 | 14 | 35 |
| 561 P12A | 364 | 532 | 1180 | 762 | 476 | 27 | 28 | 17 | 44 |
| 631 P12A | 364 | 535 | 1250 | 832 | 479 | 27 | 28 | 17 | 52 |
| 711 P12A | 542 | 605 | 1500* | 894* | 539 | 32 | 33 | 19 | 75 |
| 801 P12A | 582 | 614 | 1600 | 954 | 548 | 32 | 33 | 19 | 82 |
| 901 P12A | 682 | 650 | 1800 | 1038 | 572 | 40 | 39 | 21 | 124 |

* Para motores de talla 250, esta cota aumenta en 100 mm

## DIMENSIONES (mm)




Brida aspiración

| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 351 | 180 | 219 | 184 | 254 | 8 | 8 |
| 401 | 200 | 241 | 204 | 274 | 8 | 8 |
| 451 | 224 | 265 | 228 | 298 | 8 | 8 |
| 501 | 250 | 292 | 254 | 324 | 10 | 8 |
| 561 | 280 | 332 | 285 | 365 | 10 | 8 |
| 631 | 315 | 366 | 320 | 400 | 10 | 8 |
| 711 | 355 | 405 | 360 | 440 | 10 | 8 |
| 801 | 400 | 448 | 405 | 485 | 10 | 12 |
| 901 | 450 | 497 | 455 | 535 | 10 | 12 |

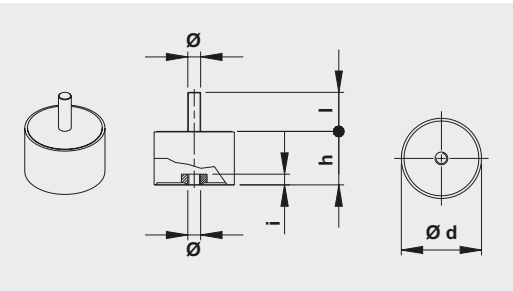
Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 351 | 140x100 | 146 | 105 | 182 | 139 | 216 | 175 | 112 | 12 | 1+1 | 2+2 |
| 401 | 160x112 | 164 | 117 | 200 | 151 | 234 | 187 | 112 | 12 | 1+1 | 2+2 |
| 451 | 180x125 | 183 | 131 | 219 | 165 | 253 | 201 | 112 | 12 | 1+1 | 2+2 |
| 501 | 200x140 | 205 | 146 | 241 | 182 | 275 | 216 | 112 | 12 | 2+2 | 2+2 |
| 561 | 224x160 | 229 | 164 | 265 | 200 | 299 | 234 | 112 | 12 | 2+2 | 2+2 |
| 631 | 250x180 | 256 | 183 | 292 | 219 | 326 | 253 | 112 | 12 | 2+2 | 3+3 |
| 711 | 280x200 | 288 | 205 | 332 | 249 | 368 | 285 | 125 | 12 | 2+2 | 3+3 |
| 801 | 315x224 | 322 | 229 | 366 | 273 | 402 | 309 | 125 | 12 | 2+2 | 3+3 |
| 901 | 355x250 | 361 | 256 | 405 | 300 | 441 | 336 | 125 | 12 | 2+2 | 3+3 |

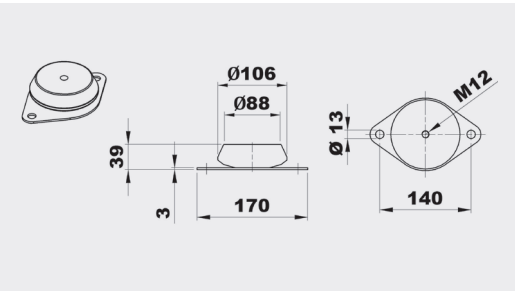
## AMORTIGUADORES

Amortiguadores recomendados

| Ventilador | Ejecución 9 | Ejecución 12 |
|---|---|---|
| 351 | 4 x AM 25 - 25x20 | 4 x AM 30 - 30x30 |
| 401 | 4 x AM 30 - 30x30 | 4 x AM 30 - 30x30 |
| 451 | 4 x AM 30 - 30x30 | 4 x AM 40 - 40x30 |
| 501/2 | 4 x AM 40 - 40x30 | 4 x AM 50 - 50x40 |
| 561/2 | 4 x AM 50 - 50x40 | 4 x AM 50 - 50x40 |
| 631/2 | 4 x AM 50 - 50x40 | 4 x AM 75 - 75x50 |
| 711/2 | 4 x AM 75 - 75x50 | 4 x AM 75 - 75x50 |
| 801/2 | 4 x AM 75 - 75x50 | 4 x AZ 39 - 140x39 |
| 901/2 | 4 x AZ 39 - 140x39 | 4 x AZ 39 - 140x39 |

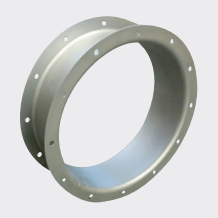



| Tipo | Carga para 4 soportes (kg) | d | h | Ø | l | Peso (kg) |
|---|---|---|---|---|---|---|
| AM 25 | 41÷80 | 25 | 20 | M6 | 18 | 0,03 |
| AM 30 | 81÷140 | 30 | 30 | M8 | 20 | 0,05 |
| AM 40 | 141÷224 | 40 | 30 | M8 | 23 | 0,10 |
| AM 50 | 225÷315 | 50 | 40 | M10 | 28 | 0,20 |
| AM 75 | 316÷630 | 75 | 50 | M12 | 37 | 0,50 |

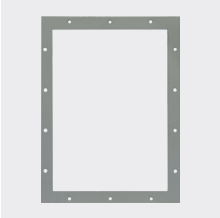



| Tipo | Carga para 4 soportes (kg) | Peso (kg) |
|---|---|---|
| AZ 39 | 631÷1250 | 0,7 |

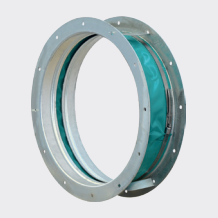
## ACCESORIOS



**CA (CFH1) - CFH2 - CFH3**
Contrabrida - Brida plana circular.



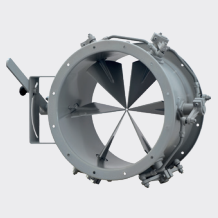
**CP**
Brida plana rectangular.



**GA**
Junta flexible aspiración.



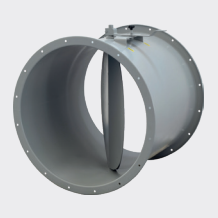
**GP**
Junta flexible descarga.



**DP**
Regulador de caudal de aspiración.



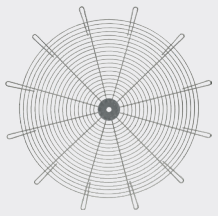
**SAD**
Compuerta de regulación de caudal de descarga.



**SF**
Vávula mariposa.



**DF**
Filtro en la aspiración.



**RC**
Rejilla de protección para la aspiración.



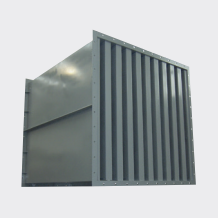
**AM/AZ**
Soportes antivibratorios.



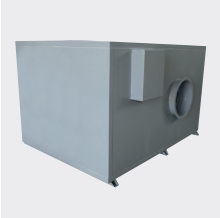
**SCSO**
Silenciador cilíndrico.



**SCCO**
Silenciador cilíndrico con bulbo.



**SASS**
Silenciador rectangular.



**CI**
Cabina de insonorización.

Ver información completa en página **772**.

# HPB

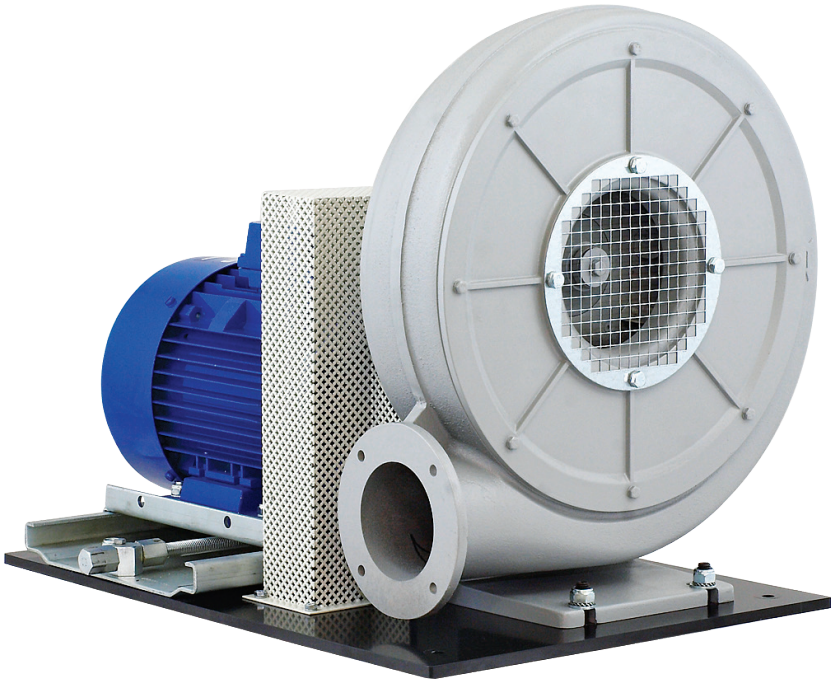
## VENTILADORES CENTRÍFUGOS DE ALTA PRESIÓN

*TRANSMISIÓN*

120°C

Ventilador diseñado para sistemas de transporte de gases no agresivos y no explosivos, libres de contaminantes. Las aplicaciones típicas incluyen:

- Transporte neumático.
- Soplado en sistemas de secado (por ejemplo, máquinas de impresión y procesamiento de plásticos).
- Sistemas de soplado de aire en sistemas de combustión/tratamiento térmico (por ejemplo, hornos de fusión).



### Características

- Ventilador centrífugo de alta presión con transmisión indirecta (por correa).
- Rodete remachado de chapa de aluminio con álabes inclinados hacia atrás, equilibrado dinámicamente según ISO 1940-1.
- Carcasa de aleación de aluminio fundido a presión.
- Cubierta de entrada galvanizada.
- Transmisión completa por correa (eje, rodamientos, poleas, correas trapezoidales, etc.).
- Cubierta de la transmisión por correa.
- Base deslizante para el motor.
- Marco soldado de chapa de acero, pintado en color negro RAL 9005.
- Ventilador pintado en color gris RAL 7042.
- Temperatura máxima del fluido prensado 120 °C.
- Temperatura ambiente del motor: de -20 °C a +40 °C
- Configuración estándar LG270.

### Motor

- Motor asíncrono trifásico de 230/400 V, 50 Hz (potencia de hasta 3 kW).
- Motor asíncrono trifásico de 400/690 V, 50 Hz (potencia desde 4 kW).
- Clase de eficiencia IE3.
- Grado de protección IP55.
- Clase de aislamiento F.
- Apto para regulación por frecuencia.

### Ejecuciones especiales

- Otra configuración LG/RD.
- Pintura en color distinto al estándar.
- Rodete de chapa de acero inoxidable 1.4301.
- Rodete de chapa de acero resistente a los ácidos 1.4404.
- Motor para tensiones o frecuencias de alimentación distintas de las estándar.
- Motor con diferente grado de protección IP.
- Motor equipado con sensores o refrigeración adicional.
- Junta de estanqueidad entre la carcasa y el motor (sello tipo simmering).
- Temperatura ambiente del motor inferior a -20 °C o superior a +40 °C.
- Versión antideflagrante.

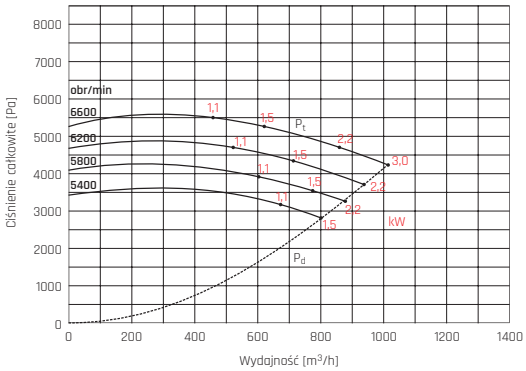
## CARACTERÍSTICAS TÉCNICAS

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación

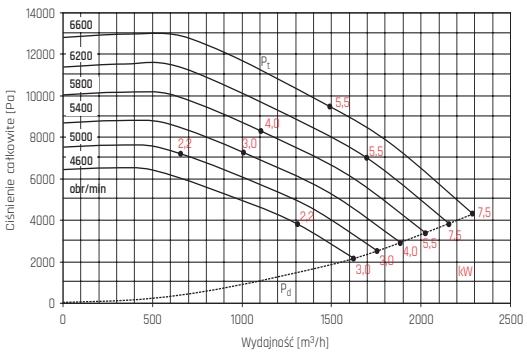
| Tipo | Caudal máximo ($m^3/h$) | Pressure max (Pa) | Potencia máxima absorbida (kW) | Velocidad (r.p.m.) | Intensidad máxima absorbida (A) | Voltaje (V) | Peso (kg) |
|---|---|---|---|---|---|---|---|
| HPB-100 | 1 000 | 5 600 | 3,0 | 6600 | 9,3 / 5,3 | 230/400 | 6,0 |
| HPB-200 | 2 300 | 13 000 | 7,5 | 6600 | 14,0 / 8,1 | 400/690 | 18,5 |
| HPB-260 | 2 700 | 12 000 | 7,5 | 6600 | 14,0 / 8,1 | 400/690 | 20,0 |
| HPB-300 | 3 600 | 9 900 | 11,0 | 5000 | 19,6 / 11,3 | 400/690 | 25,0 |
| HPB-360 | 5 100 | 14 100 | 18,5 | 6100 | 32,8 / 19,0 | 400/690 | 30,0 |
| HPB-400 | 5 500 | 15 400 | 30,0 | 5500 | 51,0 / 29,8 | 400/690 | 35,0 |

## CURVAS CARACTERÍSTICAS

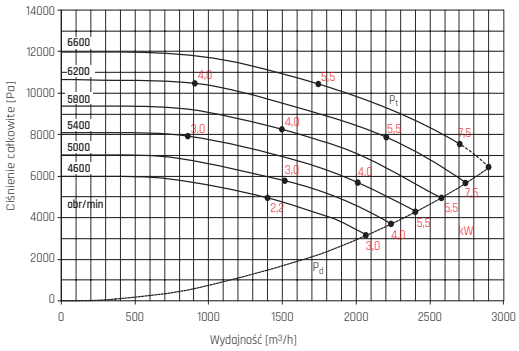
### HPB-100



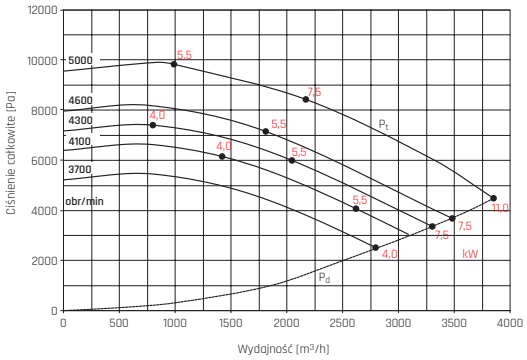

### HPB-200



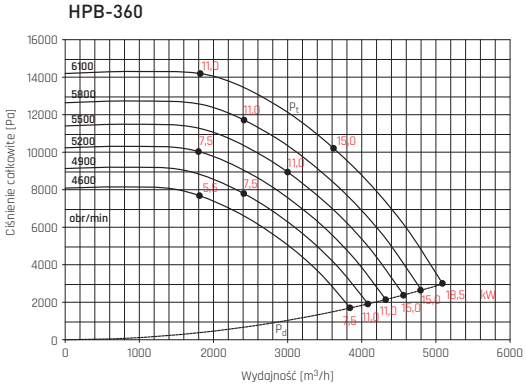

### HPB-260



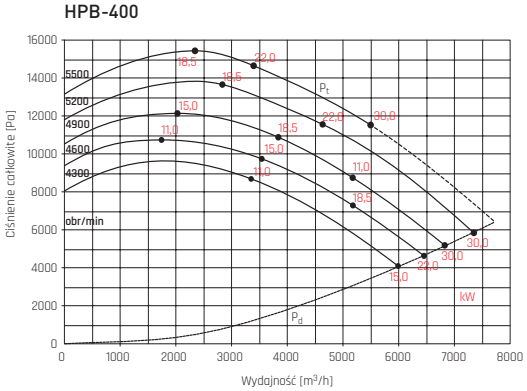

### HPB-300




### HPB-360

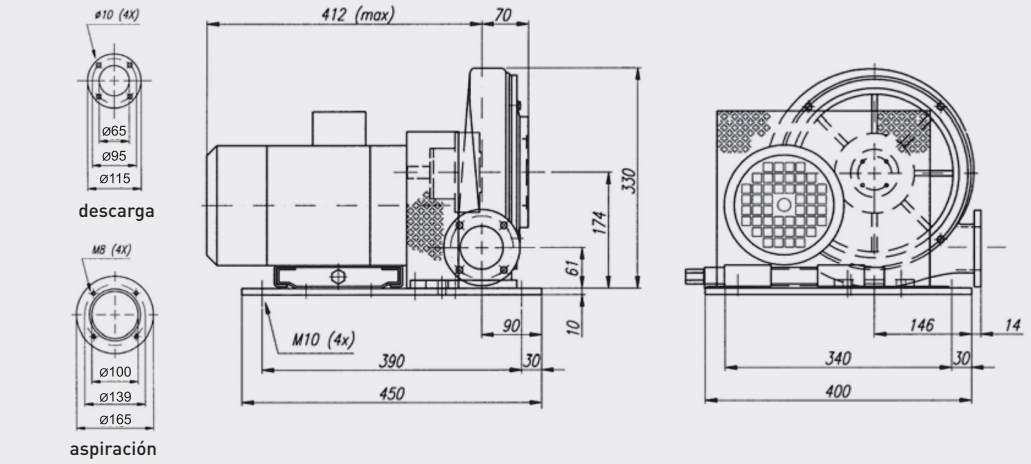



### HPB-400

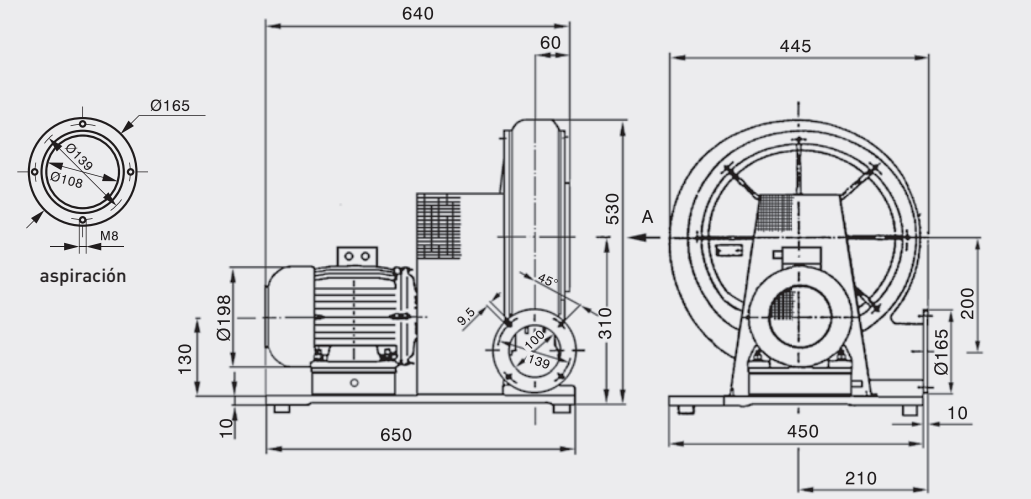


## DIMENSIONES (mm)

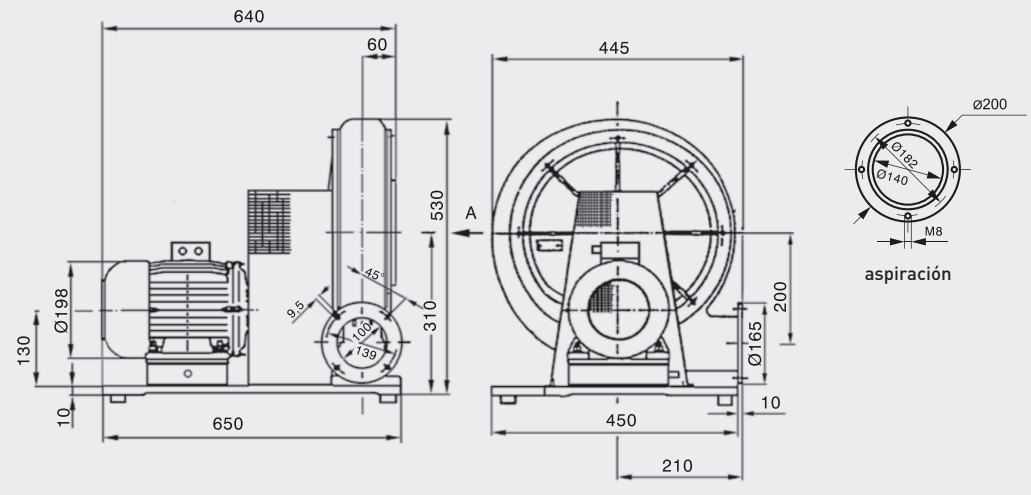
HPB-100




HPB-200

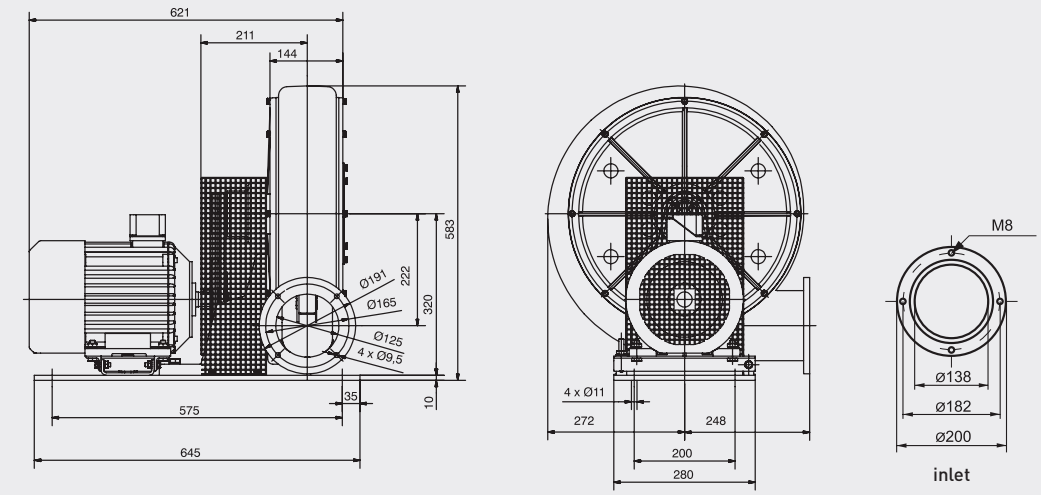



HPB-200

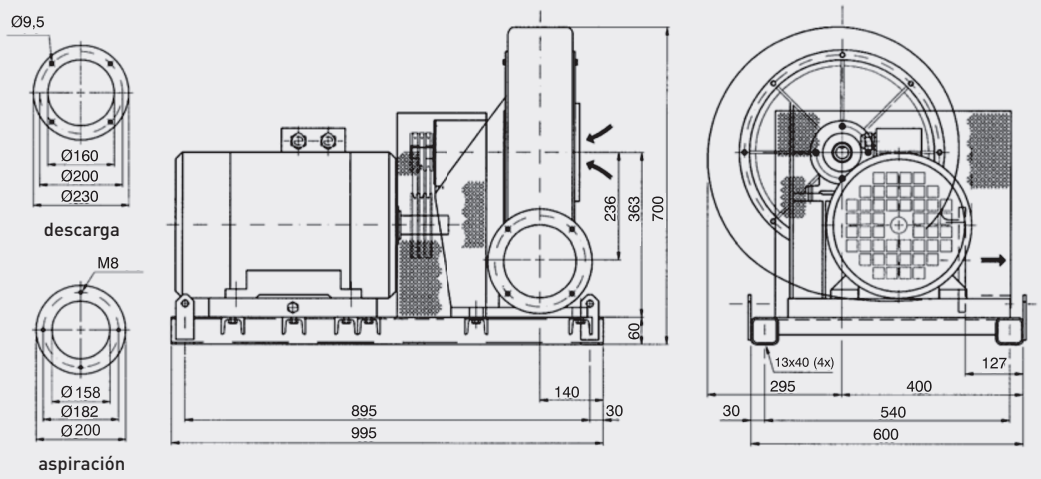


## DIMENSIONES (mm)

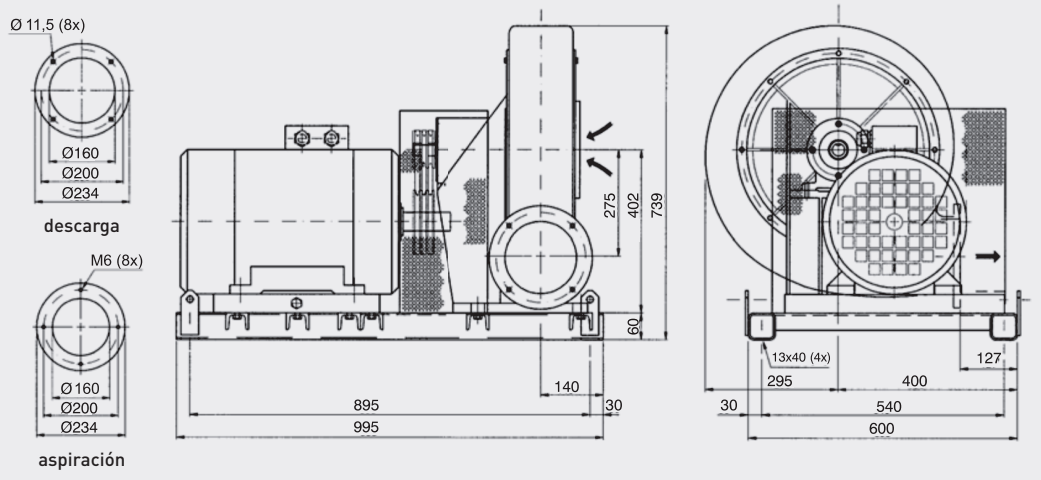
HPB-300




HPB-360




HPB-400



# HPB-F

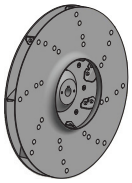
## VENTILADORES CENTRÍFUGOS DE ALTA PRESIÓN

*ACOPLAMIENTO DIRECTO*

Ventilador diseñado para sistemas de transporte de gases no agresivos y no explosivos, libres de contaminantes. Las aplicaciones típicas incluyen:

- Transporte neumático.
- Soplado en sistemas de secado (por ejemplo, máquinas de impresión y procesamiento de plásticos).
- Sistemas de soplado de aire en procesos de combustión o tratamiento térmico (por ejemplo, hornos de fusión).





### Características

- Ventilador centrífugo de alta presión con transmisión directa.
- Rodete remachado de chapa de aluminio, con álabes tipo B, equilibrado dinámicamente según ISO 1940-1.
- Carcasa fundida en aluminio.
- Cubierta de entrada galvanizada.
- Base soldada en chapa de acero.
- Ventilador pintado en color gris RAL7042 (en determinados tamaños, el motor se pinta en color RAL 5010).
- Temperatura máxima del fluido prensado 80 °C.
- Temperatura ambiente del motor: de -20 °C a +40 °C.
- Configuración LG270.

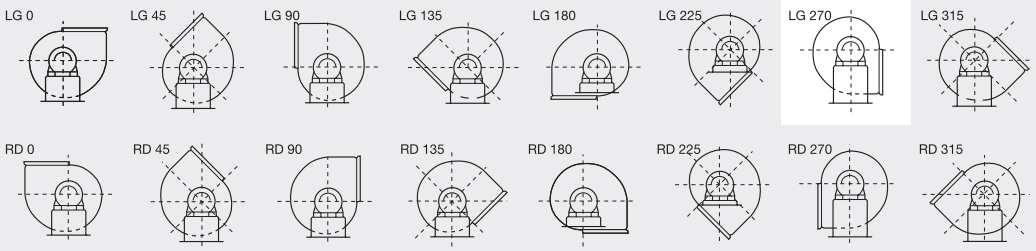
### Motor

- Motor asíncrono trifásico de 230/400 V, 100 Hz o 400 V, 100 Hz (según la potencia del motor).
- Clase de aislamiento F.
- Grado de protección IP55.
- Equipado con protección térmica PTC o PTC y TP, según el modelo.
- Versión FC equipada con módulo de refrigeración independiente.

### Ejecuciones especiales

- Disponible en cualquier configuración LG/RD.
- Pintura en color distinto al estándar.
- Rodete de chapa de acero galvanizado.
- Rodete de chapa de acero inoxidable 1.4301.
- Rodete de chapa de acero resistente a los ácidos 1.4404.
- Motor con diferente grado de protección IP.
- Motor equipado con sensores o refrigeración adicional.
- Temperatura ambiente del motor inferior a -20 °C o superior a +40 °C.

## ORIENTACIONES




Orientación estándar: LG 270. El resto de las orientaciones se fabrican bajo demanda.

## CARACTERÍSTICAS TÉCNICAS

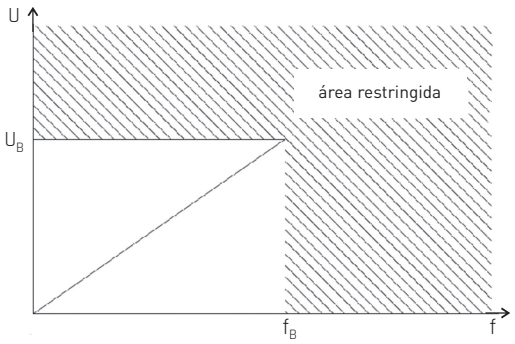
Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación

| Tipo | Caudal máximo (m³/h) | Pressure max (Pa) | Potencia máxima absorbida (kW) | Velocidad (r.p.m.) | Intensidad máxima absorbida (A) | | Voltaje (V) | Voltaje del motor de enfriamiento (V) | Peso (kg) | Regulador |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 230V | 400V | | | | |
| HPB-F-025-055T | 200 | 4360 | 0,55 | 5500 | 2,1 | 1,2 | 230D/400VY, 100Hz | - | 13 | Falownik 0,75 kW |
| HPB-F-025-055T FC | 200 | 4360 | 0,55 | 5500 | 2,1 | 1,2 | 230D/400VY, 100Hz | 230VAC | 13 | Falownik 0,75 kW |
| HPB-F-025-075T | 300 | 4360 | 0,75 | 5500 | - | 1,8 | 230D/400VY, 100Hz | - | 13 | Falownik 0,75 kW |
| HPB-F-025-110T | 420 | 4700 | 1,1 | 5710 | 4,6 | 2,6 | 230D/400VY, 100Hz | - | 14 | Falownik 1,5 kW |
| HPB-F-025-150T | 600 | 4360 | 1,5 | 5500 | - | 3,6 | 400Y, 100Hz | - | 16 | Falownik 1,5 kW |
| HPB-F-025-220T | 810 | 4360 | 2,2 | 5500 | - | 5 | 400Y, 100Hz | - | 17 | Falownik 2,2 kW |
| HPB-F-030-075T | 200 | 4200 | 0,75 | 5500 | - | 1,8 | 230D/400VY, 100Hz | - | 16 | Falownik 0,75 kW |
| HPB-F-030-110T | 300 | 4500 | 1,1 | 5710 | 4,6 | 2,6 | 230D/400VY, 100Hz | - | 17 | Falownik 1,5 kW |
| HPB-F-030-150T | 660 | 4200 | 1,5 | 5500 | - | 3,6 | 400Y, 100Hz | - | 18 | Falownik 1,5 kW |
| HPB-F-030-150T FC | 660 | 4200 | 1,5 | 5500 | - | 3,6 | 400Y, 100Hz | 230VAC | 18 | Falownik 1,5 kW |
| HPB-F-030-220T | 1310 | 4200 | 2,2 | 5500 | - | 5 | 230D/400VY, 100Hz | - | 20 | Falownik 2,2 kW |
| HPB-F-030-300T | 1310 | 4200 | 3 | 5500 | 10,4 | 6 | 230D/400VY, 100Hz | - | 22 | Falownik 4 kW |
| HPB-F-040-150T | 900 | 7000 | 1,5 | 5500 | - | 3,6 | 400Y, 100Hz | - | 20 | Falownik 1,5 kW |
| HPB-F-040-220T | 1100 | 7000 | 2,2 | 5500 | - | 5 | 400Y, 100Hz | - | 22 | Falownik 2,2 kW |
| HPB-F-040-300T | 1300 | 7000 | 3 | 5500 | 10,4 | 6 | 230D/400VY, 100Hz | - | 24 | Falownik 4 kW |
| HPB-F-200-150T | 300 | 8250 | 1,5 | 5500 | - | 3,6 | 400Y, 100Hz | - | 26 | Falownik 1,5 kW |
| HPB-F-200-220T | 400 | 8250 | 2,2 | 5500 | - | 5 | 400Y, 100Hz | - | 28 | Falownik 2,2 kW |
| HPB-F-200-300T | 600 | 8250 | 3 | 5500 | 10,4 | 6 | 230D/400VY, 100Hz | - | 30 | Falownik 4 kW |
| HPB-F-200-400T | 900 | 8250 | 4 | 5500 | - | 8 | 230D/400VY, 100Hz | - | 32 | Falownik 4 kW |
| HPB-F-200-400T FC | 900 | 8750 | 4 | 5820 | 13,3 | 7,7 | 230D/400VY, 100Hz | 230VAC | 34 | Falownik 4 kW |
| HPB-F-200-500T | 1150 | 8200 | 5 | 5450 | - | 13 | 400Y, 100Hz | - | 36 | Falownik 7,5 kW |
| HPB-F-200-550T FC | 1340 | 8850 | 5,5 | 5890 | - | 12 | 230VD/400VY, 100Hz | 230VAC | 41 | Falownik 7,5 kW |
| HPB-F-260-150T | 400 | 7800 | 1,5 | 5500 | - | 3,6 | 400Y, 100Hz | - | 48 | Falownik 1,5 kW |
| HPB-F-260-220T | 500 | 7800 | 2,2 | 5500 | - | 5 | 400Y, 100Hz | - | 49 | Falownik 2,2 kW |
| HPB-F-260-300T | 750 | 7800 | 3 | 5500 | 10,4 | 6 | 230D/400VY, 100Hz | - | 51 | Falownik 4 kW |
| HPB-F-260-400T | 1150 | 7800 | 4 | 5500 | - | 8 | 230D/400VY, 100Hz | - | 53 | Falownik 4 kW |
| HPB-F-260-400T FC | 1150 | 8700 | 4 | 5820 | 13,3 | 7,7 | 230D/400VY, 100Hz | 230VAC | 55 | Falownik 4 kW |
| HPB-F-260-500T | 1500 | 7600 | 5 | 5450 | - | 13 | 400Y, 100Hz | - | 58 | Falownik 7,5 kW |
| HPB-F-260-550T FC | 1700 | 8900 | 5,5 | 5890 | - | 12 | 230VD/400VY, 100Hz | 230VAC | 63 | Falownik 7,5 kW |
| HPB-F-260-750T FC | 2600 | 8400 | 7,5 | 5730 | - | 15 | 400VD, 100Hz | 230VAC | 72 | Falownik 7,5 kW |
| HPB-F-300-400T | 500 | 11510 | 4 | 5500 | - | 8 | 230D/400VY, 100Hz | - | 63 | Falownik 4 kW |
| HPB-F-300-400T FC | 500 | 12900 | 4 | 5820 | 13,3 | 7,7 | 230D/400VY, 100Hz | 230VAC | 66 | Falownik 4 kW |
| HPB-F-300-550T FC | 700 | 13200 | 5,5 | 5890 | - | 12 | 400VD, 100Hz | 230VAC | 72 | Falownik 7,5 kW |
| HPB-F-300-750T FC | 1250 | 12500 | 7,5 | 5730 | - | 15 | 400VD, 100Hz | 230VAC | 81 | Falownik 7,5 kW |
| HPB-F-300-1100T FC | 2450 | 13200 | 11 | 5890 | - | 19,8 | 400VD, 100Hz | 230VAC | 93 | Falownik 11 kW |
| HPB-F-360-750T FC | 1500 | 12400 | 7,5 | 5730 | - | 15 | 400VD, 100Hz | 230VAC | 95 | Falownik 7,5 kW |
| HPB-F-360-1100T FC | 2700 | 12800 | 11 | 5890 | - | 19,8 | 400VD, 100Hz | 230VAC | 103 | Falownik 11 kW |
| HPB-F-360-1500T FC | 3700 | 12800 | 15 | 5900 | - | 29,8 | 400VD, 100Hz | 230VAC | 130 | Falownik 15 kW |
| HPB-F-360-1850T FC | 5000 | 12800 | 18,5 | 5840 | - | 33,9 | 400VD, 100Hz | 230VAC | 140 | Falownik 18,5 kW |
| HPB-F-400-1100T FC | 2000 | 13800 | 11 | 5890 | - | 19,8 | 400VD, 100Hz | 230VAC | 115 | Falownik 11 kW |
| HPB-F-400-1500T FC | 2700 | 13800 | 15 | 5900 | - | 29,8 | 400VD, 100Hz; | 230VAC | 121 | Falownik 15 kW |
| HPB-F-400-1850T FC | 3700 | 13700 | 18,5 | 5840 | - | 33,9 | 400VD, 100Hz; | 230VAC | 129 | Falownik 18,5 kW |
| HPB-F-400-2200T FC | 7500 | 13800 | 22 | 5890 | - | 40,6 | 400VD, 100Hz; | 230VAC | 150 | Falownik 22 kW |
| HPB-F-600-1500T FC | 6000 | 16000 | 15 | 4700 | - | 29,8 | 400VD, 5-80Hz | 230VAC | 150 | Falownik 15 kW |
| HPB-F-600-1850T FC | 6000 | 16000 | 18,5 | 4700 | - | 33,9 | 400VD, 5-80Hz | 230VAC | 185 | Falownik 18,5 kW |
| HPB-F-600-2200T FC | 6000 | 16000 | 22 | 4700 | - | 40,6 | 400VD, 5-80Hz | 230VAC | 210 | Falownik 22 kW |

* Versión FC con refrigeración externa. Posibles variantes: 230V AC 50-60Hz o 24V DC. Por favor especifique la variante en su pedido.

## CURVAS CARACTERÍSTICAS

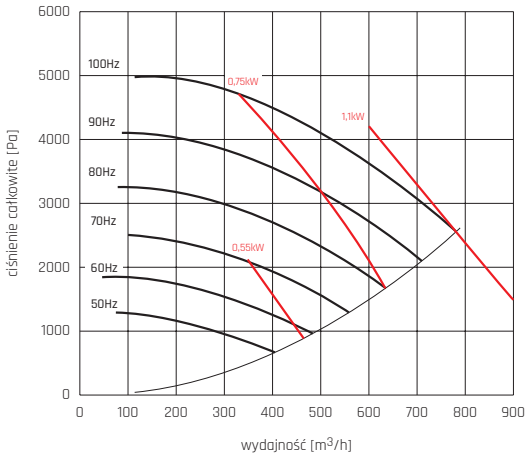
El convertidor que alimenta el motor debe tener la siguiente clasificación U(f):



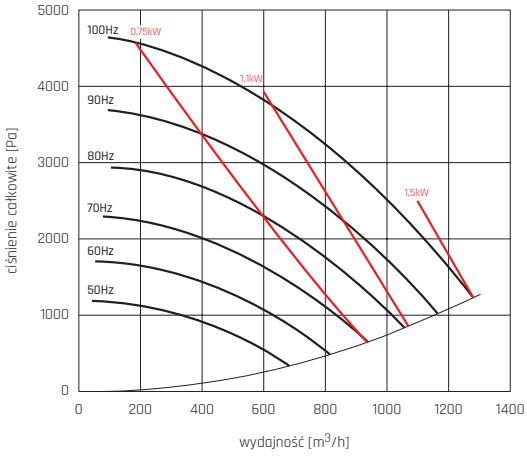

Si no se siguen las recomendaciones indicadas, la corriente del motor aumenta de forma desproporcionada y el motor de accionamiento no alcanza la velocidad nominal.
Bajo ninguna circunstancia se debe configurar un valor de frecuencia superior a 100 Hz en el transductor, tal como se indica en la placa de características, ya que podría producirse una sobrecarga del motor o daños en el ventilador debido a un exceso de velocidad de rotación.
Asimismo, no debe activarse la función denominada boost en el transductor, ya que provoca un calentamiento excesivo del motor de accionamiento.
Para proteger el motor de accionamiento, se debe conectar el sensor de temperatura en las entradas correspondientes del transductor.

$U_B$: tensión nominal de funcionamiento del motor
$f_B$: frecuencia de 100 Hz

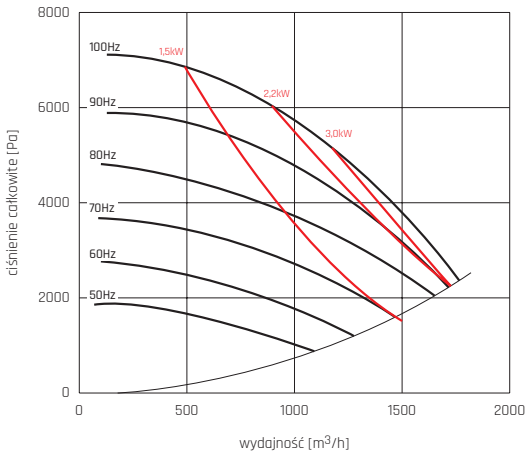
### HPB-F-025 FC



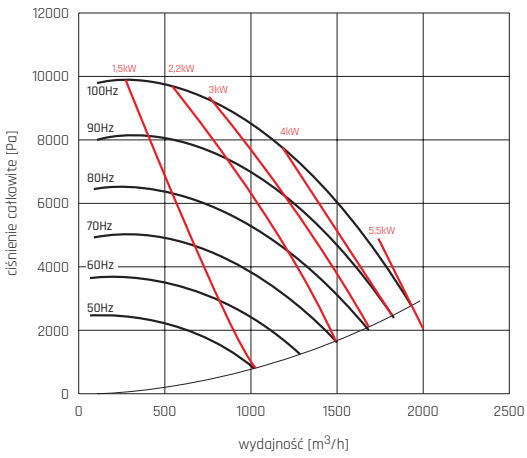

### HPB-F-030 FC




### HPB-F-040

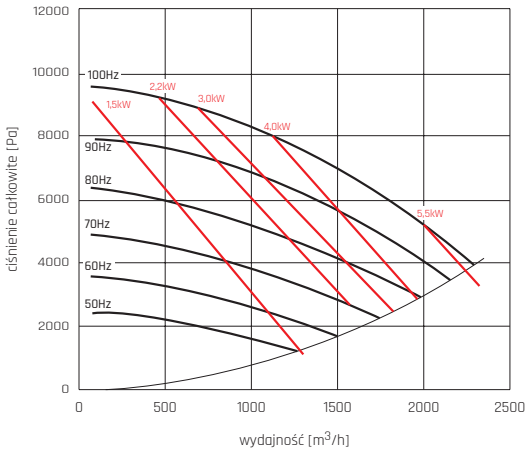



### HPB-F-200, HPB-F-200 FC

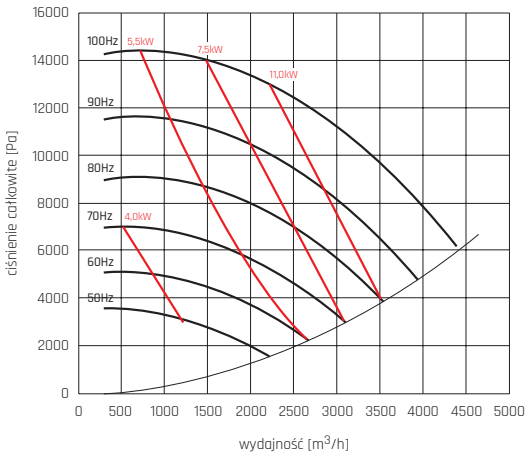


## CURVAS CARACTERÍSTICAS

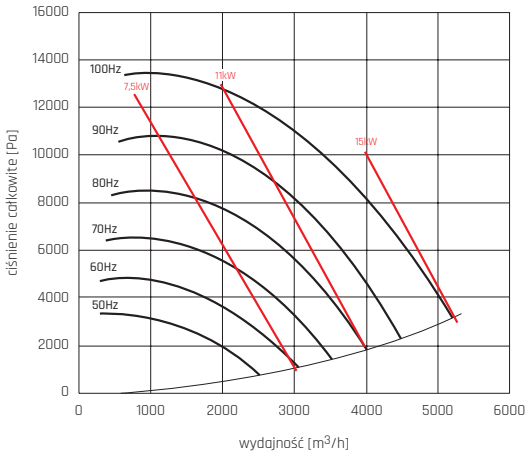
### HPB-F-260, HPB-F-260 FC



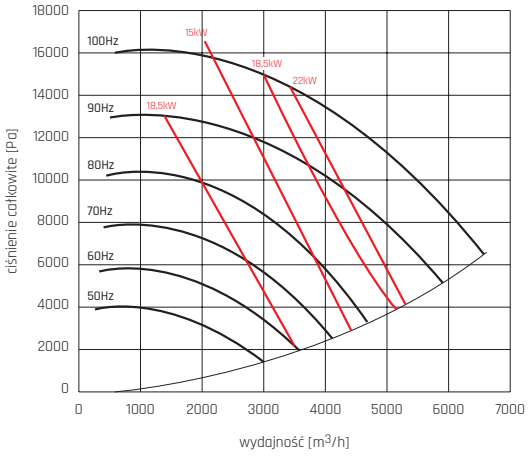

### HPB-F-300, HPB-F-300 FC



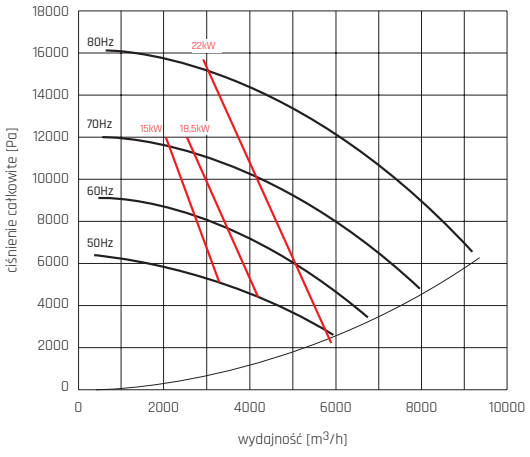

### HPB-F-360 FC




### HPB-F-400

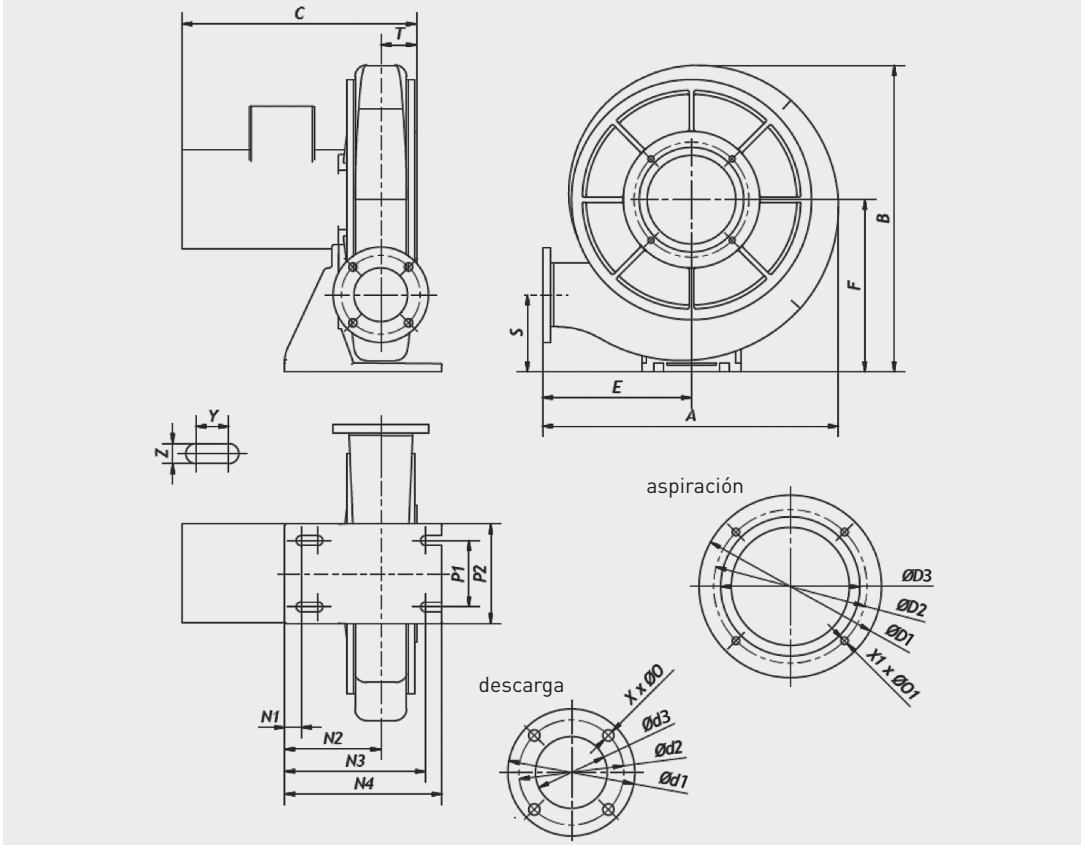



### HPB-F-600 FC



## DIMENSIONES (mm)

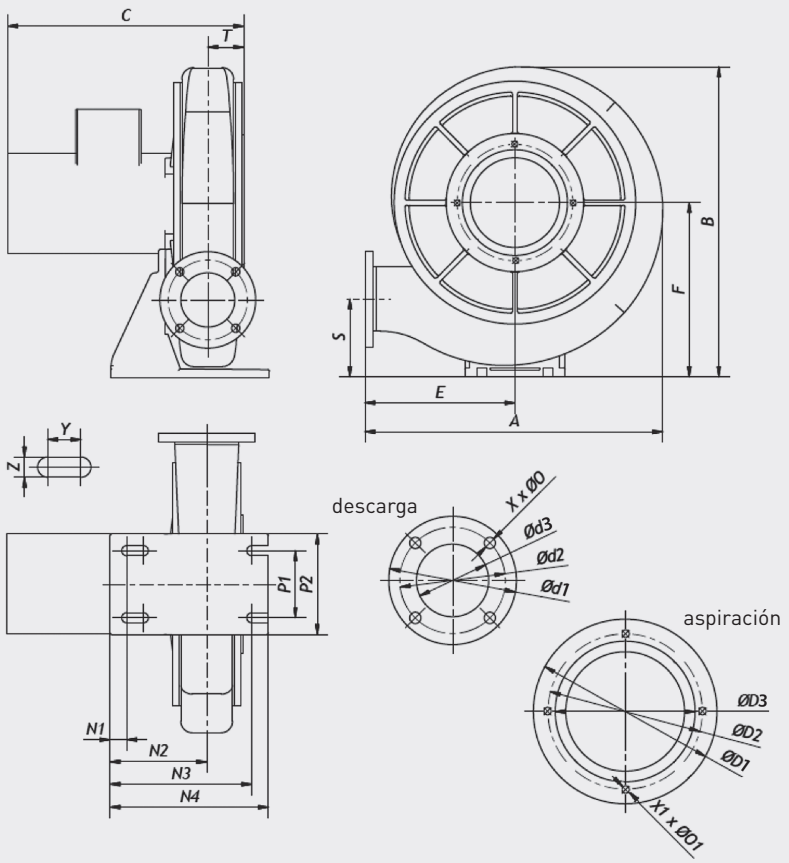
HPB-F-025 FC, HPB-F-025, HPB-F-030




| Tipo | A | B | C | Ød1 | Ød2 | Ød3 | ØD1 | ØD2 | ØD3 | E | F | N1 | N2 | N3 | N4 | P1 | P2 | S | T | X | Ø0 | X1 | Ø01 | Y | Z |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HPB-F-025-055T FC | 357 | 370 | 283 | 115 | 95 | 65 | 165 | 139 | 126 | 180 | 208 | 20 | 116 | 170 | 190 | 80 | 120 | 93 | 43 | 4 | 10 | 4 | 7 | 20 | 12 |
| HPB-F-025-075T | 357 | 370 | 310 | 115 | 95 | 65 | 165 | 139 | 126 | 180 | 208 | 20 | 116 | 170 | 190 | 80 | 120 | 93 | 43 | 4 | 10 | 4 | 7 | 20 | 12 |
| HPB-F-025-110T | 357 | 370 | 310 | 115 | 95 | 65 | 165 | 139 | 126 | 180 | 208 | 20 | 116 | 170 | 190 | 80 | 120 | 93 | 43 | 4 | 10 | 4 | 7 | 20 | 12 |
| HPB-F-025-150T | 357 | 370 | 321 | 115 | 95 | 65 | 165 | 139 | 126 | 180 | 208 | 20 | 116 | 170 | 190 | 80 | 120 | 93 | 43 | 4 | 10 | 4 | 7 | 20 | 12 |
| HPB-F-025-220T | 357 | 370 | 333 | 115 | 95 | 65 | 165 | 139 | 126 | 180 | 208 | 20 | 116 | 170 | 190 | 80 | 120 | 93 | 43 | 4 | 10 | 4 | 7 | 20 | 12 |
| HPB-F-030-075T | 357 | 370 | 309 | 160 | 135 | 100 | 165 | 139 | 126 | 180 | 208 | 20 | 116 | 170 | 190 | 80 | 120 | 93 | 43 | 4 | 11 | 4 | 7 | 20 | 12 |
| HPB-F-030-110T | 357 | 370 | 330 | 160 | 135 | 100 | 165 | 139 | 126 | 180 | 208 | 20 | 116 | 170 | 190 | 80 | 120 | 93 | 43 | 4 | 11 | 4 | 7 | 20 | 12 |
| HPB-F-030-150T | 357 | 370 | 341 | 160 | 135 | 100 | 165 | 139 | 126 | 180 | 208 | 20 | 116 | 170 | 190 | 80 | 120 | 93 | 43 | 4 | 11 | 4 | 7 | 20 | 12 |
| HPB-F-030-220T | 357 | 370 | 353 | 160 | 135 | 100 | 165 | 139 | 126 | 180 | 208 | 20 | 116 | 170 | 190 | 80 | 120 | 93 | 43 | 4 | 11 | 4 | 7 | 20 | 12 |
| HPB-F-030-300T | 357 | 370 | 381 | 160 | 135 | 100 | 165 | 139 | 126 | 180 | 208 | 20 | 116 | 170 | 190 | 80 | 120 | 93 | 43 | 4 | 11 | 4 | 7 | 20 | 12 |

## DIMENSIONES (mm)

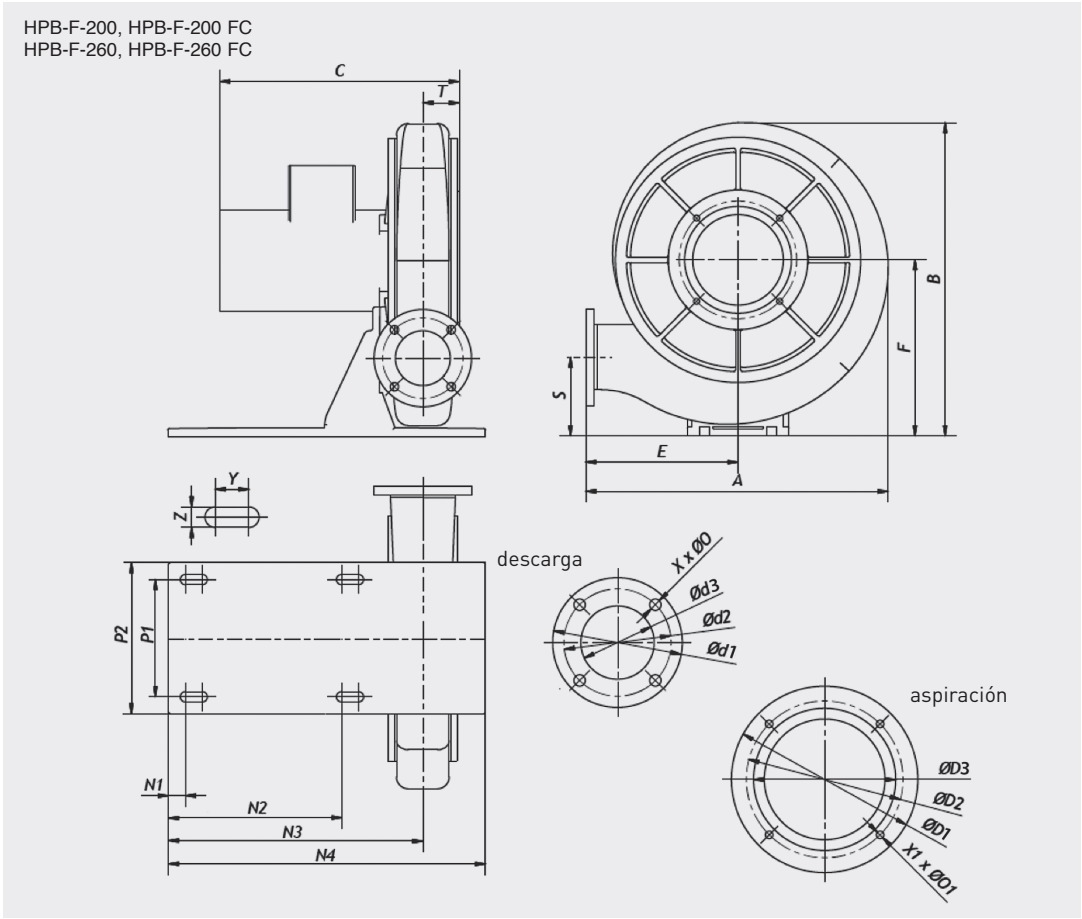
HPB-F-040




| Tipo | A | B | C | Ød1 | Ød2 | Ød3 | ØD1 | ØD2 | ØD3 | E | F | N1 | N2 | N3 | N4 | P1 | P2 | S | T | X | ØO | X1 | ØO1 | Y | Z |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HPB-F-040-150T | 405 | 444 | 350 | 165 | 139 | 100 | 200 | 165 | 150 | 200 | 245 | 20 | 127 | 170 | 190 | 80 | 120 | 85 | 60 | 4 | 10 | 4 | 7 | 20 | 12 |
| HPB-F-040-220T | 405 | 444 | 362 | 165 | 139 | 100 | 200 | 165 | 150 | 200 | 245 | 20 | 127 | 170 | 190 | 80 | 120 | 85 | 60 | 4 | 10 | 4 | 7 | 20 | 12 |
| HPB-F-040-300T | 405 | 444 | 380 | 165 | 139 | 100 | 200 | 165 | 150 | 200 | 245 | 20 | 127 | 170 | 190 | 80 | 120 | 85 | 60 | 4 | 10 | 4 | 7 | 20 | 12 |

## DIMENSIONES (mm)

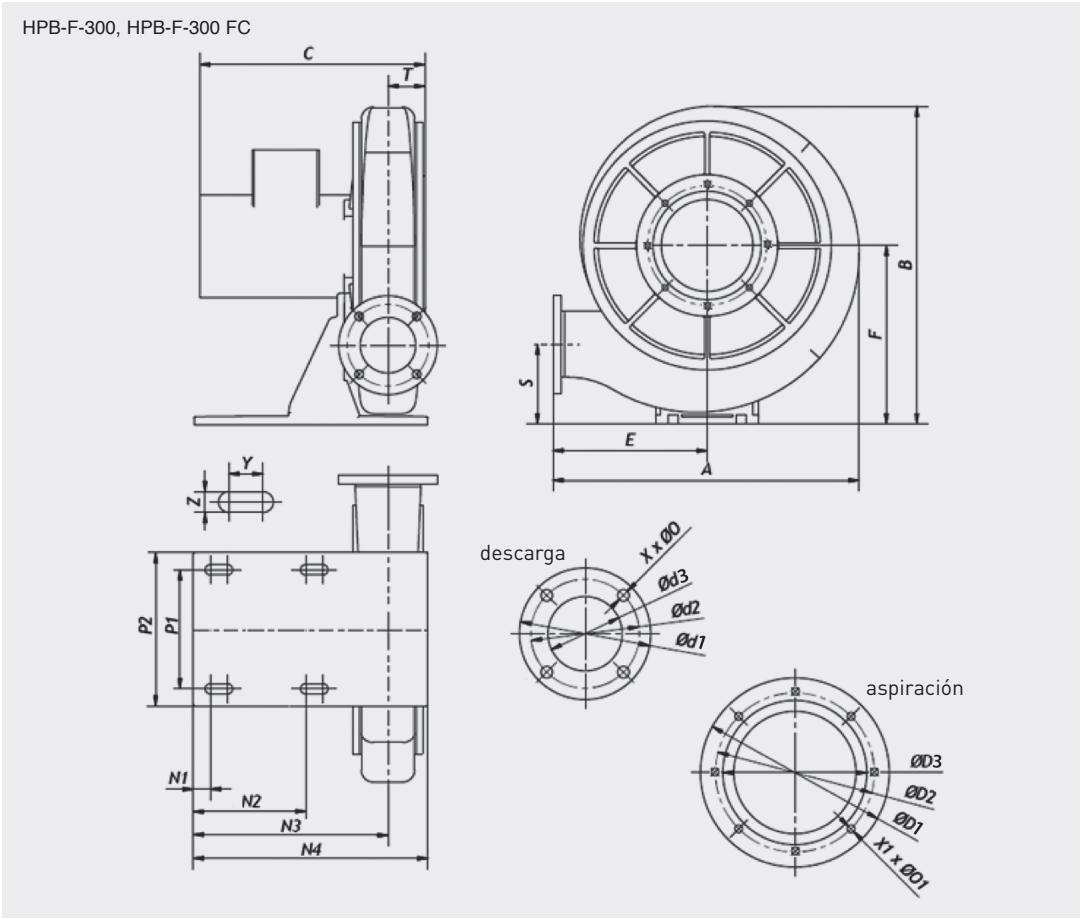
HPB-F-200, HPB-F-200 FC
HPB-F-260, HPB-F-260 FC




| Tipo | A | B | C | Ød1 | Ød2 | Ød3 | ØD1 | ØD2 | ØD3 | E | F | N1 | N2 | N3 | N4 | P1 | P2 | S | T | X | ØO | X1 | ØO1 | Y | Z |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HPB-F-200-150T | 450 | 514 | 340 | 165 | 139 | 100 | 165 | 139 | 126 | 210 | 290 | 18 | 218 | 328 | 350 | 200 | 250 | 91 | 59 | 4 | 10 | 4 | 7 | 13 | 13 |
| HPB-F-200-220T | 450 | 514 | 340 | 165 | 139 | 100 | 165 | 139 | 126 | 210 | 290 | 18 | 218 | 328 | 350 | 200 | 250 | 91 | 59 | 4 | 10 | 4 | 7 | 13 | 13 |
| HPB-F-200-300T | 450 | 514 | 358 | 165 | 139 | 100 | 165 | 139 | 126 | 210 | 290 | 18 | 218 | 328 | 350 | 200 | 250 | 91 | 59 | 4 | 10 | 4 | 7 | 13 | 13 |
| HPB-F-200-400T | 450 | 514 |  | 165 | 139 | 100 | 165 | 139 | 126 | 210 | 290 | 18 | 218 | 328 | 350 | 200 | 250 | 91 | 59 | 4 | 10 | 4 | 7 | 13 | 13 |
| HPB-F-200-400T FC | 450 | 514 | 460 | 165 | 139 | 100 | 165 | 139 | 126 | 210 | 290 | 18 | 218 | 328 | 350 | 200 | 250 | 91 | 59 | 4 | 10 | 4 | 7 | 13 | 13 |
| HPB-F-200-500T | 450 | 514 | 358 | 165 | 139 | 100 | 165 | 139 | 126 | 210 | 290 | 18 | 218 | 328 | 350 | 200 | 250 | 91 | 59 | 4 | 10 | 4 | 7 | 13 | 13 |
| HPB-F-200-550T FC | 450 | 514 | 493 | 165 | 139 | 100 | 165 | 139 | 126 | 210 | 290 | 18 | 218 | 328 | 350 | 200 | 250 | 91 | 59 | 4 | 10 | 4 | 7 | 13 | 13 |
| HPB-F-260-150T | 450 | 514 | 340 | 165 | 139 | 100 | 200 | 182 | 162 | 210 | 290 | 18 | 218 | 328 | 350 | 200 | 250 | 91 | 59 | 4 | 10 | 4 | 7 | 13 | 13 |
| HPB-F-260-220T | 450 | 514 |  | 165 | 139 | 100 | 200 | 182 | 162 | 210 | 290 | 18 | 218 | 328 | 350 | 200 | 250 | 91 | 59 | 4 | 10 | 4 | 7 | 13 | 13 |
| HPB-F-260-300T | 450 | 514 |  | 165 | 139 | 100 | 200 | 182 | 162 | 210 | 290 | 18 | 218 | 328 | 350 | 200 | 250 | 91 | 59 | 4 | 10 | 4 | 7 | 13 | 13 |
| HPB-F-260-400T | 450 | 514 | 380 | 165 | 139 | 100 | 200 | 182 | 162 | 210 | 290 | 18 | 218 | 328 | 350 | 200 | 250 | 91 | 59 | 4 | 10 | 4 | 7 | 13 | 13 |
| HPB-F-260-400T FC | 450 | 514 | 510 | 165 | 139 | 100 | 200 | 182 | 162 | 210 | 290 | 18 | 218 | 328 | 350 | 200 | 250 | 91 | 59 | 4 | 10 | 4 | 7 | 13 | 13 |
| HPB-F-260-500T | 450 | 514 | 460 | 165 | 139 | 100 | 200 | 182 | 162 | 210 | 290 | 18 | 218 | 328 | 350 | 200 | 250 | 91 | 59 | 4 | 10 | 4 | 7 | 13 | 13 |
| HPB-F-260-550T FC | 450 | 514 | 492 | 165 | 139 | 100 | 200 | 182 | 162 | 210 | 290 | 18 | 218 | 328 | 350 | 200 | 250 | 91 | 59 | 4 | 10 | 4 | 7 | 13 | 13 |
| HPB-F-260-750T FC | 450 | 526 | 496 | 165 | 139 | 100 | 200 | 182 | 162 | 210 | 302 | 18 | 218 | 328 | 350 | 200 | 250 | 103 | 59 | 4 | 10 | 4 | 7 | 13 | 13 |

## DIMENSIONES (mm)

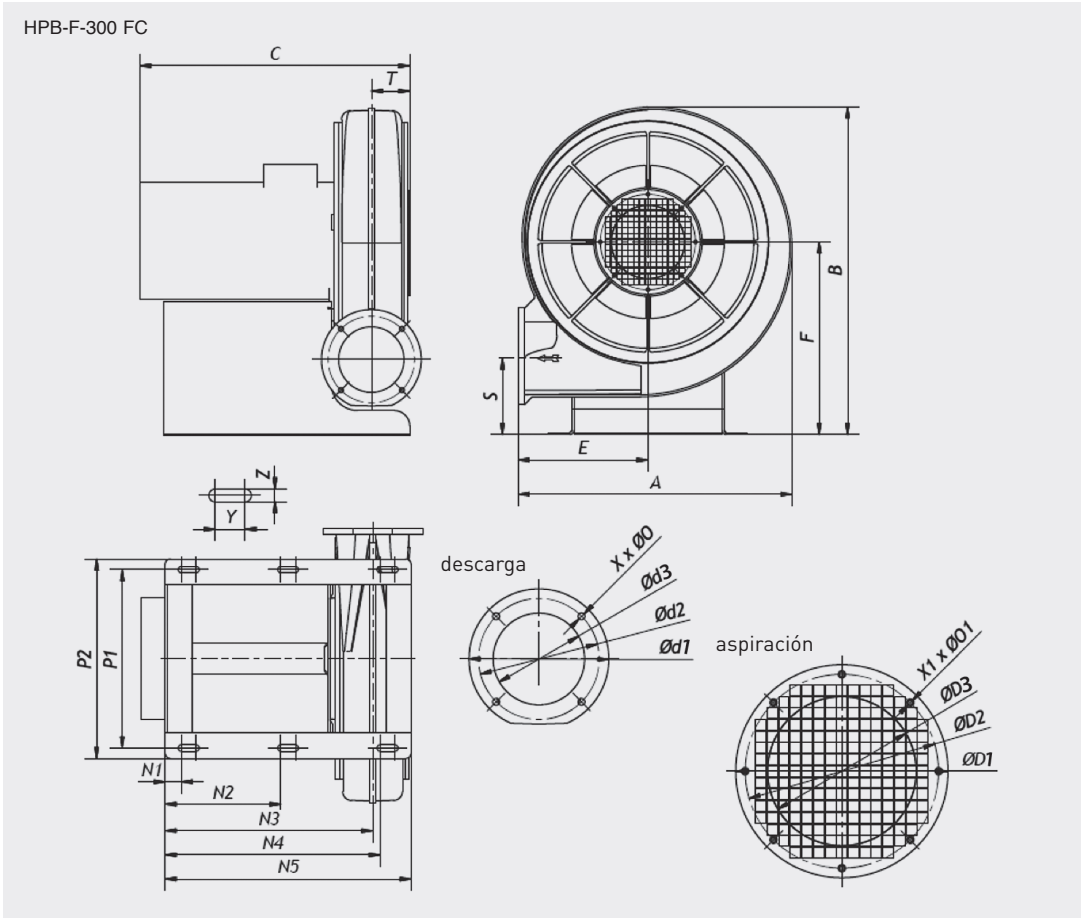
HPB-F-300, HPB-F-300 FC




| Tipo | A | B | C | Ød1 | Ød2 | Ød3 | ØD1 | ØD2 | ØD3 | E | F | N1 | N2 | N3 | N4 | P1 | P2 | S | T | X | ØO | X1 | ØO1 | Y | Z |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HPB-F-300-400T | 523 | 577 | 480 | 191 | 165 | 125 | 200 | 182 | 140 | 248 | 320 | 18 | 168 | 294 | 300 | 180 | 230 | 98 | 73 | 4 | 10 | 8 | 5 | 13 | 13 |
| HPB-F-300-400T FC | 523 | 577 | | 191 | 165 | 125 | 200 | 182 | 140 | 248 | 320 | 18 | 168 | 294 | 300 | 180 | 230 | 98 | 73 | 4 | 10 | 8 | 5 | 13 | 13 |
| HPB-F-300-550T FC | 523 | 577 | | 191 | 165 | 125 | 200 | 182 | 140 | 248 | 320 | 18 | 168 | 294 | 300 | 180 | 230 | 98 | 73 | 4 | 10 | 8 | 5 | 13 | 13 |

## DIMENSIONES (mm)

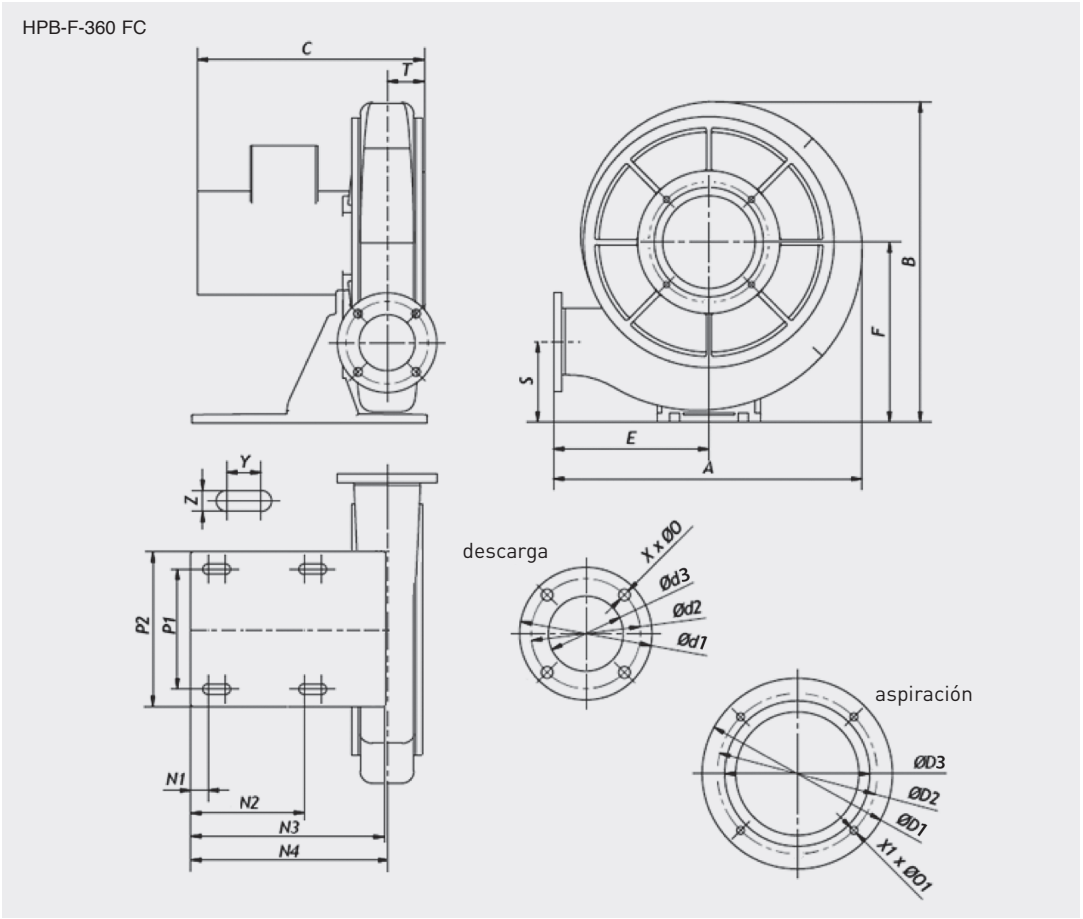
HPB-F-300 FC




| Tipo | A | B | C | Ød1 | Ød2 | Ød3 | ØD1 | ØD2 | ØD3 | E | F | N1 | N2 | N3 | N4 | N5 | P1 | P2 | S | T | X | Ø0 | X1 | Ø01 | Y | Z |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HPB-F-300-750T FC | 523 | 624 | 516 | 191 | 165 | 125 | 200 | 182 | 140 | 248 | 367 | 31 | 221 | 396 | 411 | 470 | 340 | 380 | 145 | 73 | 4 | 10 | 8 | 5 | 28 | 12 |
| HPB-F-300-1100T FC | 523 | 644 | 685 | 191 | 165 | 125 | 200 | 182 | 140 | 248 | 387 | 31 | 221 | 396 | 411 | 470 | 340 | 380 | 165 | 73 | 4 | 10 | 8 | 5 | 28 | 12 |

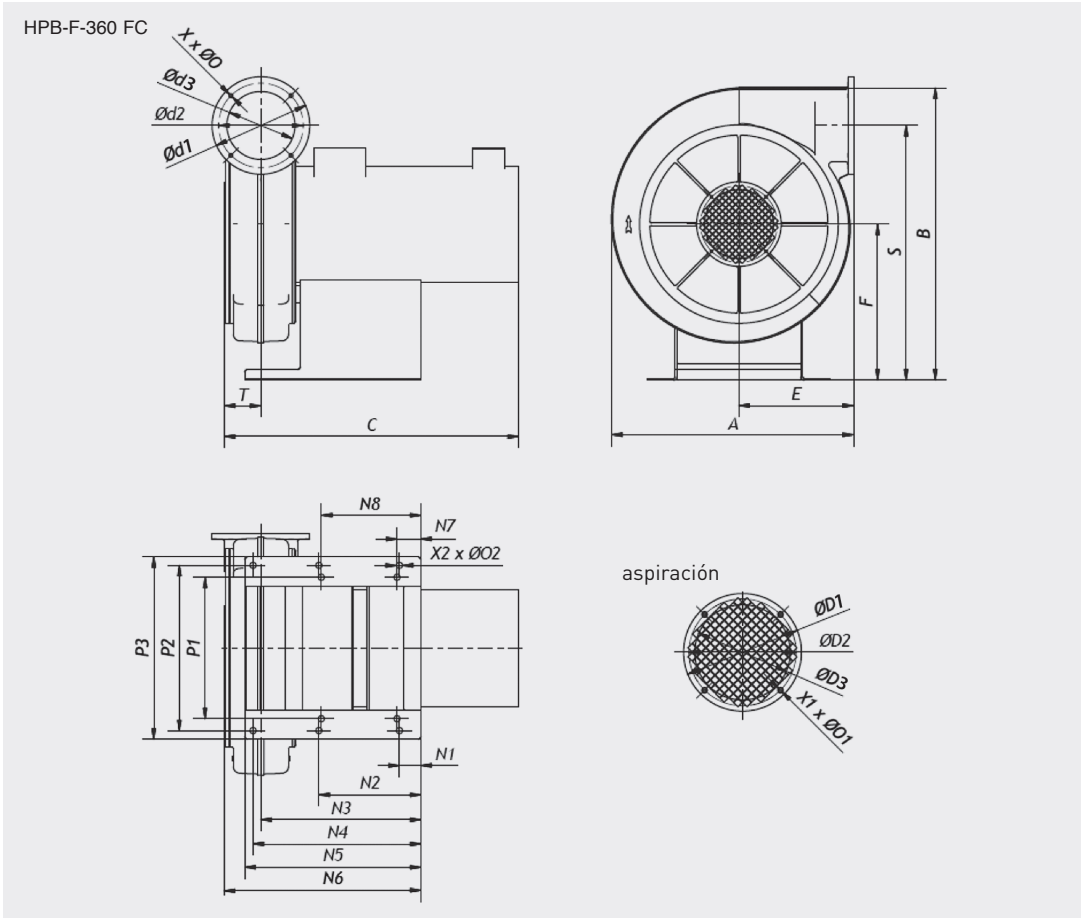
## DIMENSIONES (mm)

HPB-F-360 FC




| Tipo | A | B | C | Ød1 | Ød2 | Ød3 | ØD1 | ØD2 | ØD3 | E | F | N1 | N2 | N3 | N4 | N5 | P1 | P2 | S | T | X | ØO | X1 | ØO1 | Y | Z |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HPB-F-360-750T FC | 570 | 648 | 552 | 230 | 200 | 160 | 200 | 182 | 162 | 270 | 368 | 18 | 268 | 400 | 403 | 489 | 250 | 300 | 135 | 86 | 4 | 10 | 4 | 7 | 13 | 13 |

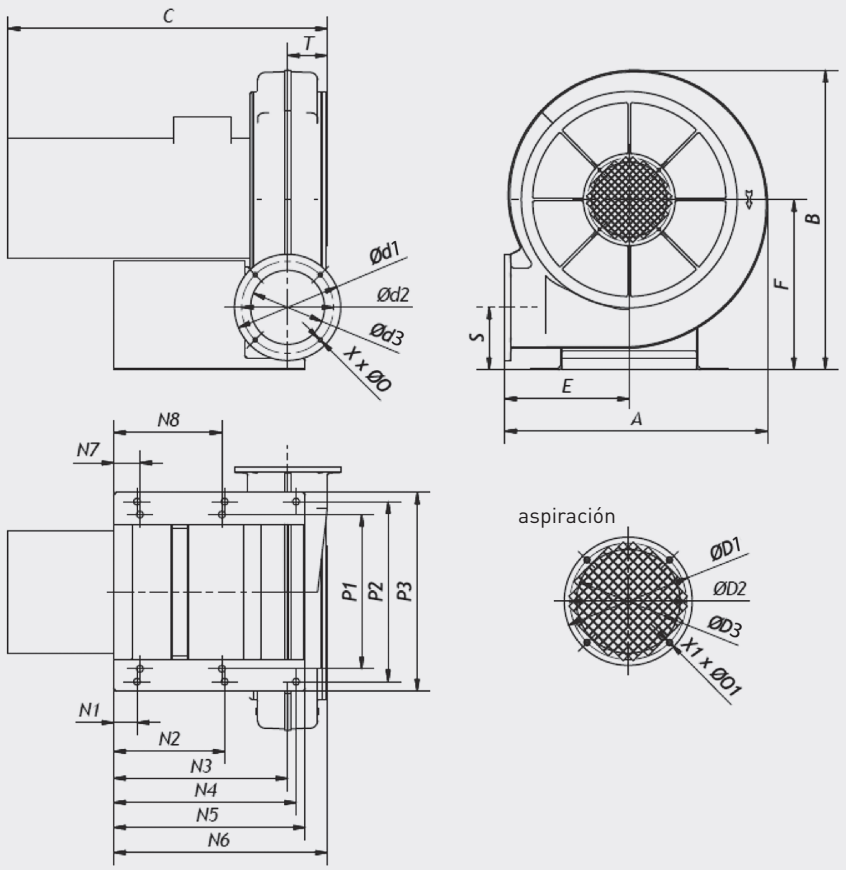
## DIMENSIONES (mm)




| Tipo | A | B | C | Ød1 | Ød2 | Ød3 | ØD1 | ØD2 | ØD3 | E | F | N1 | N2 | N3 | N4 | N5 | N6 | N7 | N8 | P1 | P2 | P3 | S | T | X | ØO | X1 | ØO1 | X2 | ØO2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HPB-F-360-1100T FC | 570 | 690 | 693 | 230 | 200 | 160 | 200 | 182 | 162 | 270 | 368 | 50 | 240 | 377 | 395 | 415 | 461 | 56 | 234 | 334 | 390 | 430 | 601 | 86 | 4 | 10 | 4 | 7 | 10 | 15 |

## DIMENSIONES (mm)

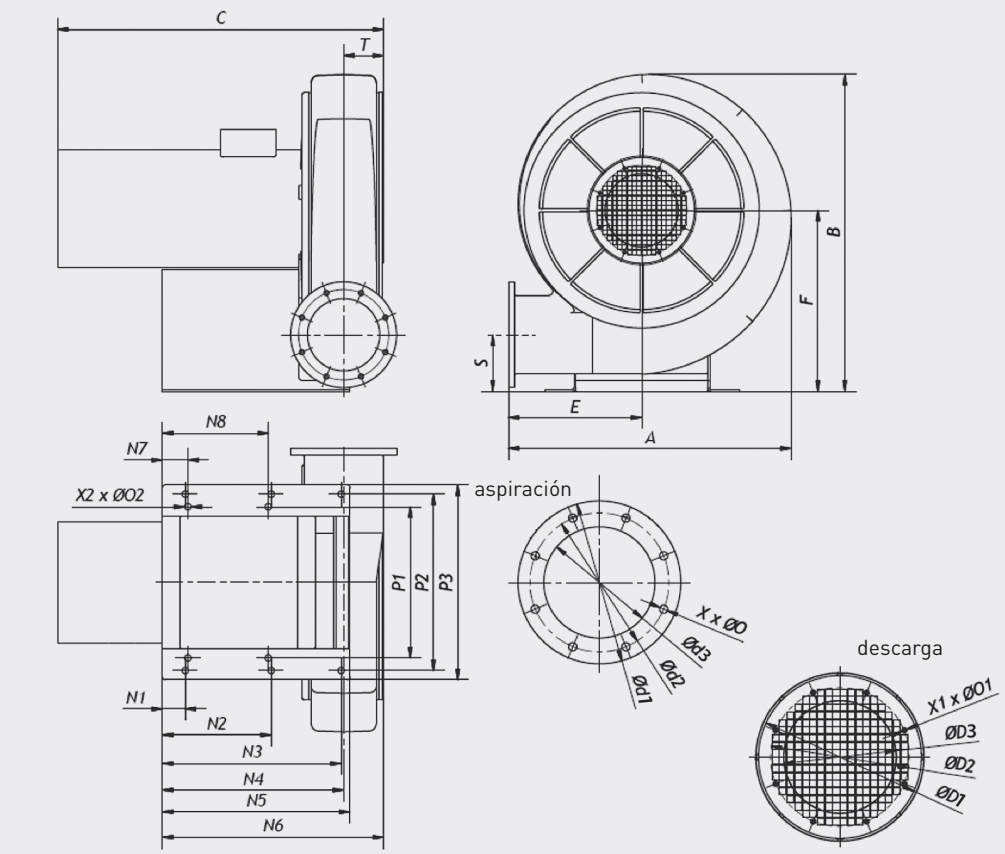
HPB-F-360 FC




| Tipo | A | B | C | Ød1 | Ød2 | Ød3 | ØD1 | ØD2 | ØD3 | E | F | N1 | N2 | N3 | N4 | N5 | N6 | N7 | N8 | P1 | P2 | P3 | S | T | X | ØO | X1 | ØO1 | X2 | ØO2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HPB-F-360-1500T FC | 570 | 649 | 692 | 230 | 200 | 160 | 200 | 182 | 162 | 270 | 368 | 50 | 240 | 377 | 395 | 415 | 463 | 56 | 234 | 334 | 390 | 430 | 135 | 86 | 4 | 10 | 4 | 7 | 10 | 15 |
| HPB-F-360-1850T FC | 570 | 649 | | 230 | 200 | 160 | 200 | 182 | 162 | 270 | 368 | 50 | 240 | 377 | 395 | 415 | 463 | 56 | 234 | 334 | 390 | 430 | 135 | 86 | 4 | 10 | 4 | 7 | 10 | 15 |

## DIMENSIONES (mm)

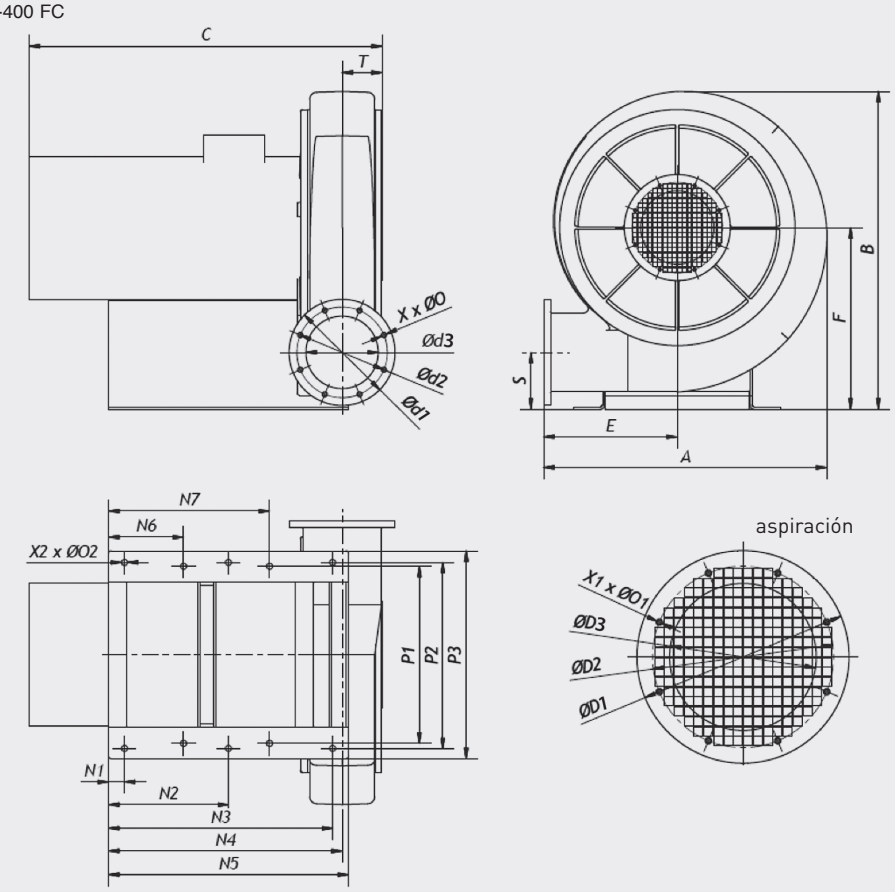
HPB-F-400 FC




| Tipo | A | B | C | Ød1 | Ød2 | Ød3 | ØD1 | ØD2 | ØD3 | E | F | N1 | N2 | N3 | N4 | N5 | N6 | N7 | N8 | P1 | P2 | P3 | S | T | X | ØO | X1 | ØO1 | X2 | ØO2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HPB-F-400-1100T FC | 625 | 700 | 721 | 234 | 200 | 160 | 234 | 200 | 162 | 295 | 400 | 50 | 240 | 396 | 401 | 415 | 489 | 56 | 234 | 334 | 3900 | 430 | 125 | 88 | 8 | 12 | 8 | 7 | 10 | 15 |
| HPB-F-400-1500T FC | 625 | 700 | 721 | 234 | 200 | 160 | 234 | 200 | 162 | 295 | 400 | 50 | 240 | 396 | 401 | 415 | 489 | 56 | 234 | 334 | 3900 | 430 | 125 | 88 | 8 | 12 | 8 | 7 | 10 | 15 |
| HPB-F-400-1850T FC | 625 | 700 | 721 | 234 | 200 | 160 | 234 | 200 | 162 | 295 | 400 | 50 | 240 | 396 | 401 | 415 | 489 | 56 | 234 | 334 | 3900 | 430 | 125 | 88 | 8 | 12 | 8 | 7 | 10 | 15 |

## DIMENSIONES (mm)

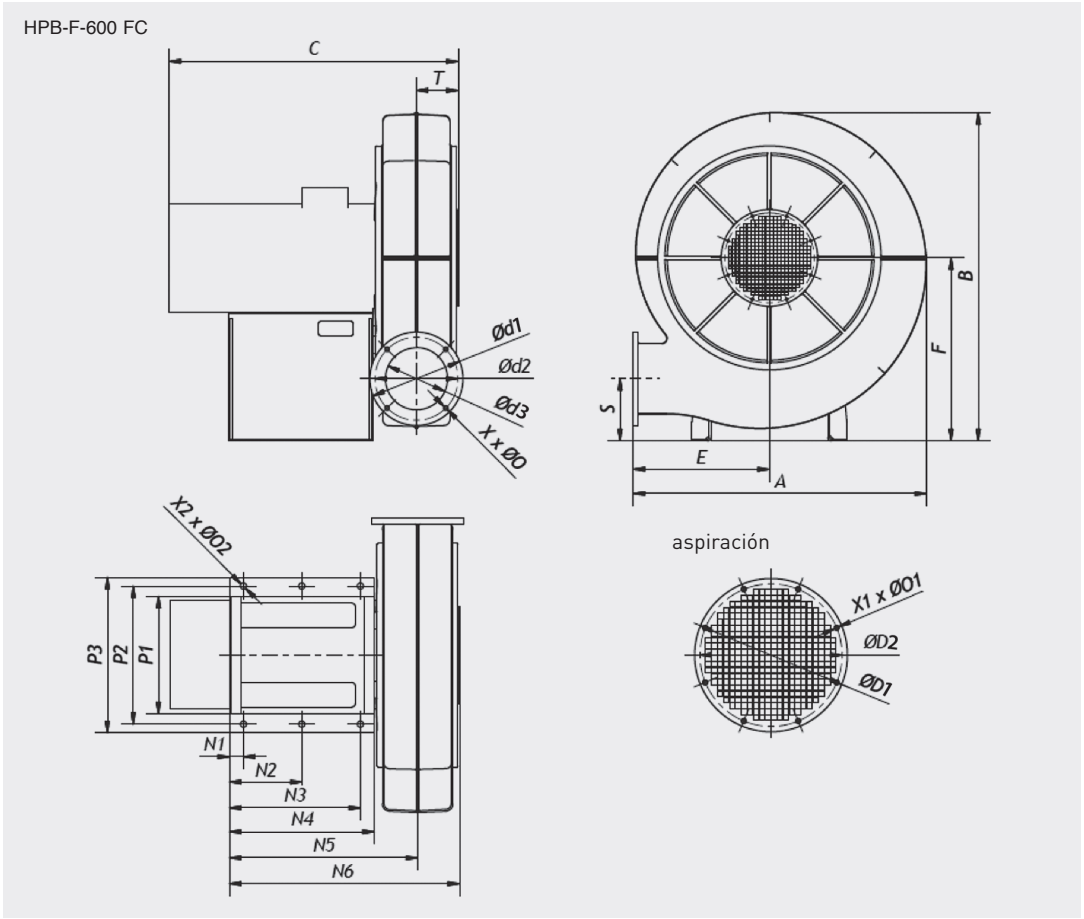
HPB-F-400 FC




| Tipo | A | B | C | Ød1 | Ød2 | Ød3 | ØD1 | ØD2 | ØD3 | E | F | N1 | N2 | N3 | N4 | N5 | N6 | N7 | P1 | P2 | P3 | S | T | X | ØO | X1 | ØO1 | X2 | ØO2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HPB-F-400-2200T FC | 625 | 700 | 779 | 234 | 200 | 160 | 234 | 200 | 162 | 295 | 400 | 35 | 265 | 495 | 516 | 530 | 166 | 356 | 390 | 410 | 458 | 125 | 88 | 8 | 12 | 8 | 5 | 10 | 13 |

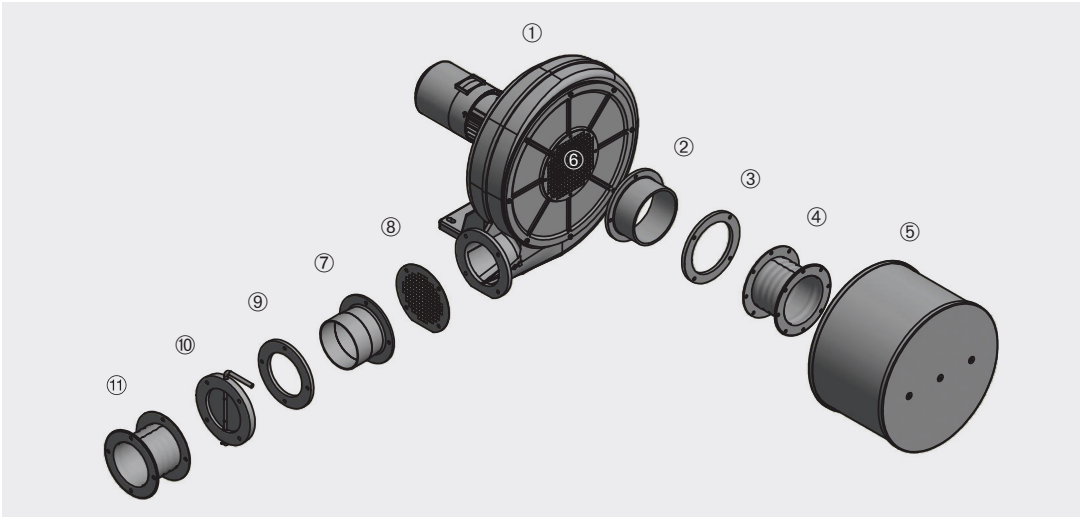
## DIMENSIONES (mm)

HPB-F-600 FC



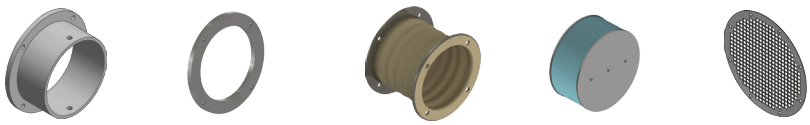

| Tipo | A | B | C | Ød1 | Ød2 | Ød3 | ØD1 | ØD2 | E | F | N1 | N2 | N3 | N4 | N5 | N6 | P1 | P2 | P3 | S | T | X | ØO | X1 | ØO1 | X2 | ØO2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HPB-F-600-1500T FC | 850 | 950 | 839 | 270 | 240 | 180 | 280 | 260 | 395 | 530 | 40 | 210 | 380 | 420 | 546 | 667 | 340 | 400 | 450 | 180 | 121 | 4 | 14 | 8 | 7 | 6 | 18 |
| HPB-F-600-1850T FC | 850 | 950 | 839 | 270 | 240 | 180 | 280 | 260 | 395 | 530 | 40 | 210 | 380 | 420 | 546 | 667 | 340 | 400 | 450 | 180 | 121 | 4 | 14 | 8 | 7 | 6 | 18 |
| HPB-F-600-2200T FC | 850 | 950 | 839 | 270 | 240 | 180 | 280 | 260 | 395 | 530 | 40 | 210 | 380 | 420 | 546 | 667 | 340 | 400 | 450 | 180 | 121 | 4 | 14 | 8 | 7 | 6 | 18 |

## ACCESORIOS DE MONTAJE




Aspiración

| ① Tipo | ② Conexión de succión | ③ Collar de soldadura | ④ Conector antivibración | ⑤ Filtro | ⑥ Malla protectora |
|---|---|---|---|---|---|
| MPA 03 | 45510440 | 45515440 | 45510500 | 25511485-20 | 42519930 |
| MPA 25 | 45510440 | 45515440 | 45510500 | 25511485-20 | 42519930 |
| MPA 40 | 46515040 | 45515460 | 26510223 | 25511485-12 | 42519930 |
| MPA 50 | 46515040 | 45515460 | 26510223 | 25511485-12 | 42519930 |
| MPA 60 | 46515050 | 45515510 | 45510520 | 25511485-14 | 42519932 |
| MPA 70 | 46515050 | 45515510 | 45510520 | 25511485-14 | 42519932 |
| MPA 80 | 46515050 | 45515510 | 45510520 | 25511485-14 | 42519932 |
| MPA 90 | 46515050 | 45515510 | 45510520 | 25511485-14 | 42519932 |
| MPA 160 | 25510480 | 45515525 | 45510530 | 25511485-16 | 25511577 |
| MPA 200 | 45510475 | 45515510 | 25511508 | 25511486-14 | 42519932 |
| MPA 290 | 25510590 | 45515595 | 45510540 | 25511485-18 | 25511559 |
| MPA 350 | 25510590 | 45515595 | 45510540 | 25511485-18 | 25511559 |
| MPA 600 | 46515051 | 45516586 | - | - | 42519934 |



Descarga

| ① Tipo | ⑦ Conexión de salida | ⑧ Malla protectora | ⑨ Collar de soldadura | ⑩ Acelerador | ⑪ Conector antivibración |
|---|---|---|---|---|---|
| MPA 03 | 45510450 | 45515450 | 45510550 | 25511302 | 25511525 |
| MPA 25 | 45510450 | 45515450 | 45510550 | 25511302 | 25511525 |
| MPA 40 | 45510465 | 45515465 | 45510560 | 25511316 | 25511549 |
| MPA 50 | 45510465 | 45515465 | 45510560 | 25511316 | 25511549 |
| MPA 60 | 46515040-01 | 45515500 | 26510224 | 25511314 | 42519937 |
| MPA 70 | 46515040-01 | 45515500 | 26510224 | 25511314 | 42519937 |
| MPA 80 | 45510470 | 45515470 | 45510570 | 45510415 | 42519936 |
| MPA 90 | 45510470 | 45515470 | 45510570 | 45510415 | 42519936 |
| MPA 160 | 25510485 | 45515520 | 45510580 | 25511321 | 25511553 |
| MPA 200 | 46515060-10 | 45516580 | 25511503 | 25511347 | 42519940 |
| MPA 290 | 25510595 | 45515590 | 45510590 | 25511325 | 25511557 |
| MPA 350 | 25510595 | 45515590 | 45510590 | 25511325 | 25511557 |
| MPA 600 | 46515069 | 45516585 | - | - | 42519938 |



## ACCESORIOS ELÉCTRICOS

| Tipo | Inverter |
|---|---|
| HPB-F-025-055T | 40016312 |
| HPB-F-025-055T FC | 40016312 |
| HPB-F-025-075T | 40016312 |
| HPB-F-025-110T | 40016322 |
| HPB-F-025-150T | 40016322 |
| HPB-F-025-220T | 40016332 |
| HPB-F-030-075T | 40016312 |
| HPB-F-030-110T | 40016322 |
| HPB-F-030-150T | 40016322 |
| HPB-F-030-150T FC | 40016322 |
| HPB-F-030-220T | 40016332 |
| HPB-F-030-300T | 40016352 |
| HPB-F-040-150T | 40016322 |
| HPB-F-040-220T | 40016332 |
| HPB-F-040-300T | 40016352 |
| HPB-F-200-150T | 40016322 |
| HPB-F-200-220T | 40016332 |
| HPB-F-200-300T | 40016352 |
| HPB-F-200-400T | 40016352 |
| HPB-F-200-400T FC | 40016352 |
| HPB-F-200-500T | 40016372 |
| HPB-F-200-550T FC | 40016372 |
| HPB-F-260-150T | 40016322 |

| Tipo | Inverter |
|---|---|
| HPB-F-260-220T | 40016332 |
| HPB-F-260-300T | 40016352 |
| HPB-F-260-400T | 40016352 |
| HPB-F-260-400T FC | 40016352 |
| HPB-F-260-500T | 40016372 |
| HPB-F-260-550T FC | 40016372 |
| HPB-F-260-750T FC | 40016372 |
| HPB-F-300-400T | 40016352 |
| HPB-F-300-400T FC | 40016352 |
| HPB-F-300-550T FC | 40016372 |
| HPB-F-300-750T FC | 40016372 |
| HPB-F-300-1100T FC | 40016382 |
| HPB-F-360-750T FC | 40016372 |
| HPB-F-360-1100T FC | 40016382 |
| HPB-F-360-1500T FC | 40016392 |
| HPB-F-360-1850T FC | 40016412 |
| HPB-F-400-1100T FC | 40016382 |
| HPB-F-400-1500T FC | 40016392 |
| HPB-F-400-1850T FC | 40016412 |
| HPB-F-400-2200T FC | 40016422 |
| HPB-F-600-1500T FC | 40016392 |
| HPB-F-600-1850T FC | 40016412 |



# Bombas de canal lateral

# SC

## VENTILADORES CENTRÍFUGOS DE MUY ALTA PRESIÓN

*ACOPLAMIENTO DIRECTO*

Los sopladores de canal lateral se utilizan en el transporte neumático.
Aplicaciones habituales:
- Transporte neumático.
- Maquinaria de artes gráficas, elevadores neumáticos, dispositivos de filtración multietapa con un grado muy alto de separación de polvo.
- Aspiradoras industriales, piscinas, aireación en plantas de tratamiento biológico de aguas residuales, plantas de galvanoplastia, etc.
- Para el transporte sin aceite de gases no agresivos y no explosivos.

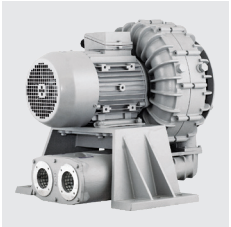




### Características
- Soplador de canal lateral con accionamiento directo.
- El impulsor está fabricado en aleación de aluminio, equilibrado dinámicamente según la norma ISO 1940-1.
- La carcasa está fabricada en aleación de aluminio.
- Soplador adaptado para funcionar en posición horizontal o vertical.
- El color estándar del soplador es gris RAL 7042.
- La temperatura máxima del fluido transportado es de 60 °C.
- Rango de temperatura ambiente de -20 °C a +40 °C.

### Motor
- Asíncrono monofásico de 230 V, 50 Hz (potencia hasta 2,2 kW).
- Asíncrono trifásico de 230 V / 400 V, 50 Hz (potencia hasta 3 kW).
- Asíncrono trifásico de 400 V / 690 V, 50 Hz (potencia a partir de 4 kW).
- Clase de eficiencia IE3 (a partir de 0,75 kW) o IE2 (por debajo de 0,75 kW), grado de protección IP55.
- Clase de aislamiento F.
- Los motores trifásicos se adaptan al convertidor de frecuencia.
- Protección térmica (TP o TP y PTC), en motores seleccionados.

### Ejecuciones especiales
- Motor con voltaje y frecuencia de potencia diferentes a los estándar.
- Motor monofásico adaptado a la regulación de voltaje.
- Motor con grado de protección diferente al estándar.
- Motor equipado con sensores o refrigeración adicional.
- Sellado entre la carcasa y el motor.
- Temperatura máxima del fluido transportado superior a 60 °C.
- Rango de temperatura ambiente inferior a -20 °C y superior a +40 °C.
- Transmisión por correa.



**DSC/PSC**
Versión de dos etapas.



**SC-F**
Versión de motor de 100 Hz.



**SC-VB**
Versión con transmisión por correa.

## CARACTERÍSTICAS TÉCNICAS

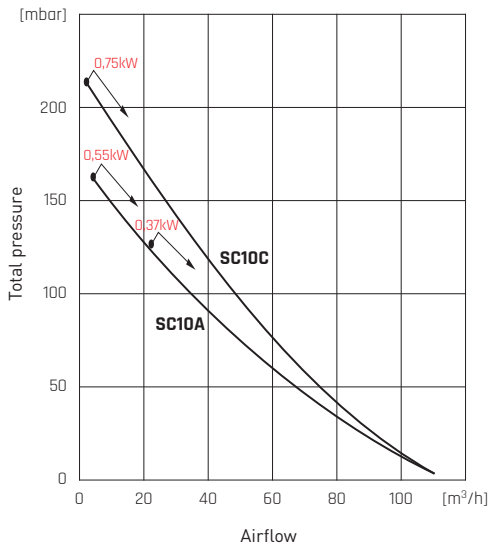
Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación

| Tipo | Caudal máximo ($m^3/h$) | Presión máxima (vacío, presión) (mbar) | | Potencia máxima absorbida (kW) | Velocidad (r.p.m.) | Intensidad máxima absorbida (A) | Voltaje (V) | Condensador (µF) | Nivel presión sonora (dB(A))* | Peso (kg) |
|---|---|---|---|---|---|---|---|---|---|---|
| TRIFÁSICO | | | | | | | | | | |
| SC10A 037T | 110 | 126 | 125 | 0,37 | 2800 | 1,75/1 | 230Δ/400Y | - | 71 | 15 |
| SC10A 055T | 110 | 175 | 185 | 0,55 | 2790 | 2,35/1,35 | 230Δ/400Y | - | 72 | 16 |
| SC10C 075T | 110 | 225 | 270 | 0,75 | 2890 | 2,95/1,7 | 230Δ/400Y | - | 73 | 18,5 |
| SC20A 110T | 190 | 202 | 200 | 1,1 | 2890 | 4,3/2,5 | 230Δ/400Y | - | 75 | 22 |
| SC20A 150T | 190 | 202 | 275 | 1,5 | 2880 | 5,25/3,0 | 230Δ/400Y | - | 75 | 24,5 |
| SC20C 110T | 190 | 200 | 200 | 1,1 | 2890 | 4,3/2,5 | 230Δ/400Y | - | 77 | 22 |
| SC20C 150T | 190 | 270 | 275 | 1,5 | 2880 | 5,25/3,0 | 230Δ/400Y | - | 75 | 24,5 |
| SC30A 220T | 320 | 250 | 250 | 2,2 | 2895 | 7,9/4,6 | 230Δ/400Y | - | 77 | 36 |
| SC30A 300T | 320 | 250 | 300 | 3 | 2870 | 11,0/6,3 | 230Δ/400Y | - | 78 | 40 |
| SC30C 220T | 320 | 250 | 250 | 2,2 | 2895 | 7,9/4,6 | 230Δ/400Y | - | 80 | 36 |
| SC30C 300T | 320 | 300 | 300 | 3 | 2870 | 11,0/6,3 | 230Δ/400Y | - | 78 | 40 |
| SC40A 400T | 650 | 210 | 220 | 4 | 2895 | 7,3/4,2 | 400Δ/690Y | - | 81 | 67 |
| SC40A 550T | 650 | 300 | 300 | 5,5 | 2890 | 9,8/5,7 | 400Δ/690Y | - | 82 | 70 |
| SC40A 750T | 650 | 300 | 395 | 7,5 | 2885 | 14,0/8,1 | 400Δ/690Y | - | 84 | 73 |
| SC40C 550T | 650 | 300 | 300 | 5,5 | 2890 | 9,8/5,7 | 400Δ/690Y | - | 84 | 70 |
| SC40C 750T | 650 | 350 | 395 | 7,5 | 2885 | 14,0/8,1 | 400Δ/690Y | - | 86 | 73 |
| SC46A 750T | 750 | 200 | 200 | 7,5 | 2885 | 14,0/8,1 | 400Δ/690Y | - | 82 | 105 |
| SC46A 1100T | 750 | 350 | 420 | 11 | 2900 | 19,1/11,1 | 400Δ/690Y | - | 84 | 120 |
| SC46C 750T | 800 | 200 | 200 | 7,5 | 2885 | 14,0/8,1 | 400Δ/690Y | - | 84 | 105 |
| SC46C 1100T | 800 | 360 | 420 | 11 | 2900 | 19,1/11,1 | 400Δ/690Y | - | 86 | 120 |
| SC50A 750T | 1100 | 175 | 175 | 7,5 | 2885 | 14,0/8,1 | 400Δ/690Y | - | 82 | 126 |
| SC50A 1100T | 1100 | 325 | 320 | 11 | 2900 | 19,1/11,1 | 400Δ/690Y | - | 84 | 128 |
| SC50A 1500T | 1100 | 360 | 420 | 15 | 2940 | 26,6/15,4 | 400Δ/690Y | - | 88 | 155 |
| SC50C 750T | 1100 | 180 | 175 | 7,5 | 2885 | 14,0/8,1 | 400Δ/690Y | - | 84 | 126 |
| SC50C 1100T | 1100 | 325 | 325 | 11 | 2900 | 19,1/11,1 | 400Δ/690Y | - | 86 | 128 |
| SC50C 1500T | 1100 | 375 | 420 | 15 | 2940 | 26,6/15,4 | 400Δ/690Y | - | 88 | 155 |
| MONOFÁSICO | | | | | | | | | | |
| SC10A 037S | 110 | 126 | 125 | 0,37 | 2760 | 3 | 230 | 12 | 70 | 18 |
| SC10A 055S | 110 | 175 | 185 | 0,55 | 2780 | 3,6 | 230 | 20 | 72 | 19 |
| SC10C 075S | 110 | 225 | 270 | 0,75 | 2800 | 5 | 230 | 25 | 73 | 21,5 |
| SC20A 110S | 190 | 202 | 200 | 1,1 | 2800 | 7,2 | 230 | 30 | 75 | 25 |
| SC20A 150S | 190 | 202 | 275 | 1,5 | 2740 | 9,1 | 230 | 40 | 77 | 26 |
| SC20C 110S | 190 | 200 | 200 | 1,1 | 2800 | 7,2 | 230 | 30 | 75 | 25 |
| SC20C 150S | 190 | 270 | 275 | 1,5 | 2740 | 9,1 | 230 | 40 | 77 | 26 |
| SC30A 220S | 320 | 250 | 250 | 2,2 | 2800 | 14 | 230 | - | 78 | 43 |

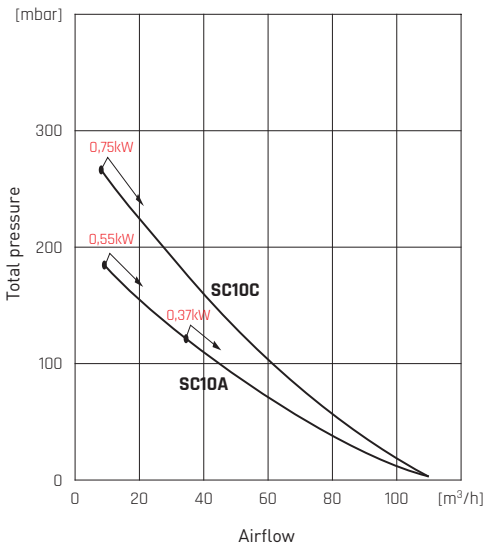
* Con silenciador

## CURVAS CARACTERÍSTICAS

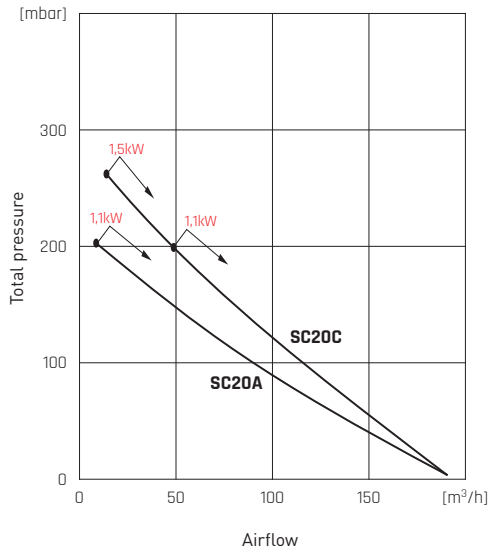
SC10 VACUUM



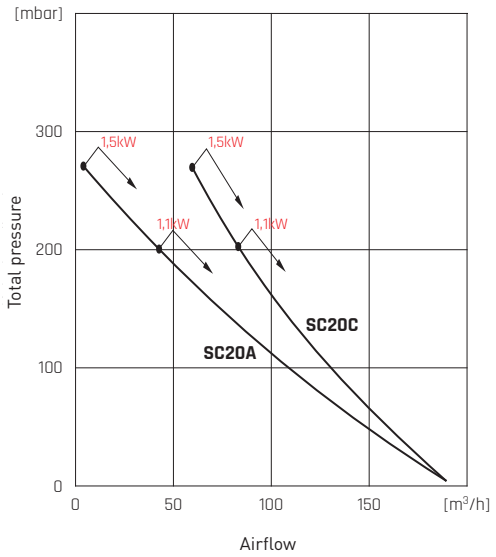

SC10 PRESSURE



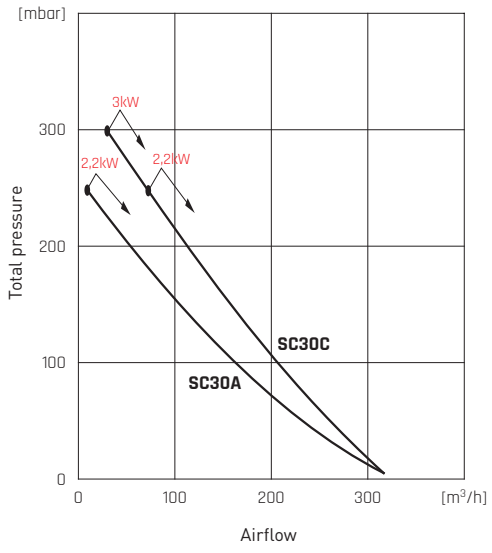

SC20 VACUUM



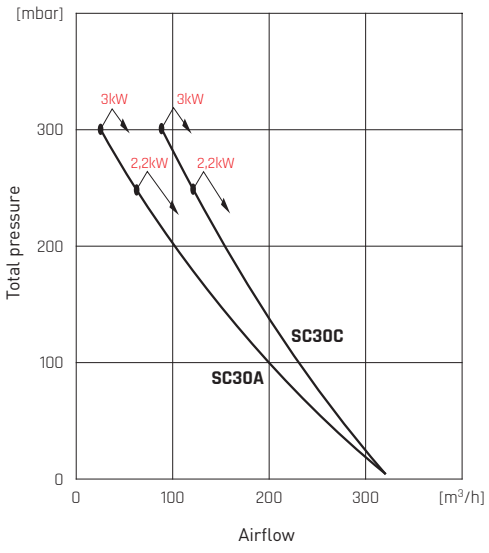

SC20 PRESSURE




SC30 VACUUM

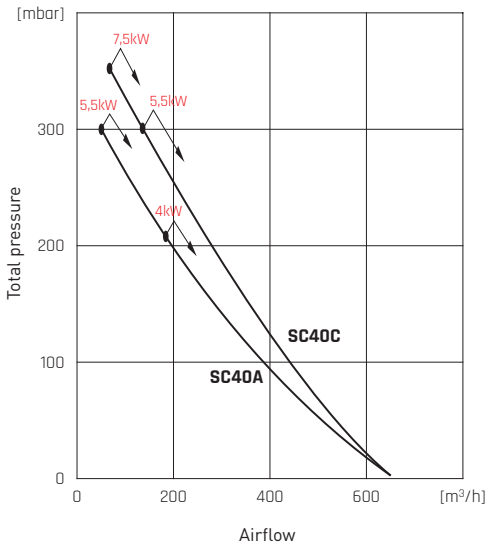



SC30 PRESSURE

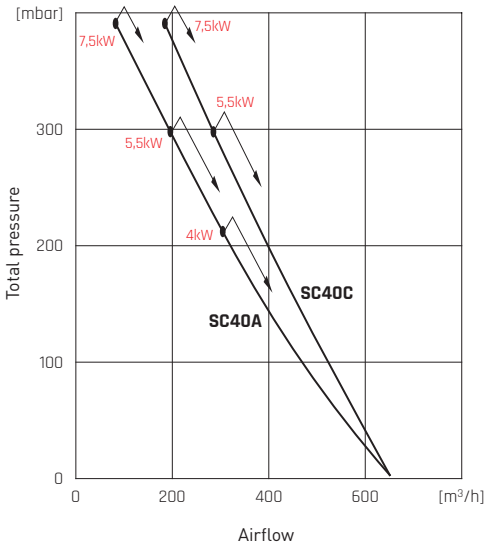


## CURVAS CARACTERÍSTICAS

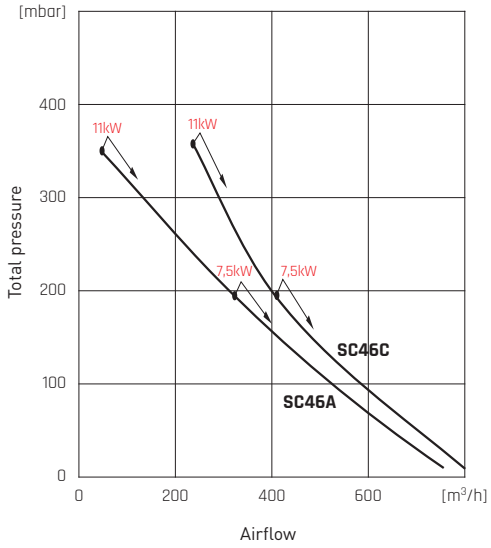
SC40 VACUUM



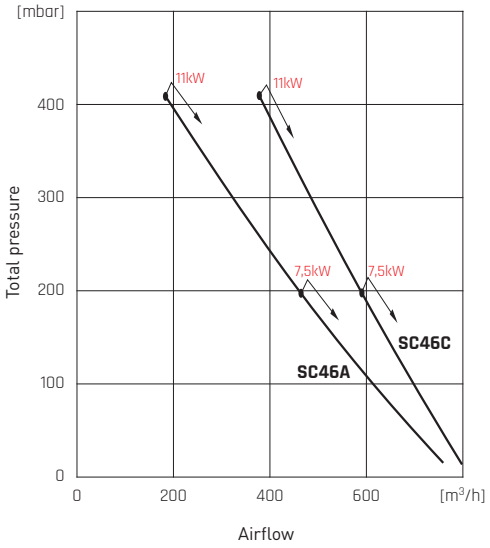

SC40 PRESSURE



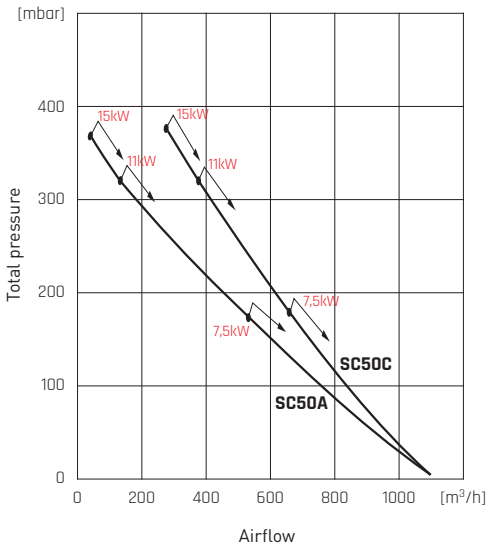

SC46 VACUUM



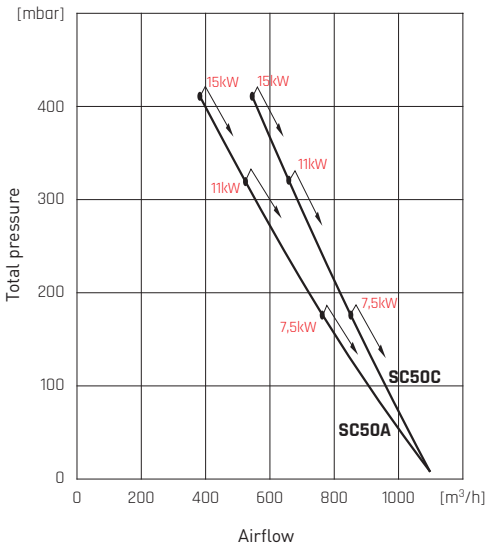

SC46 PRESSURE



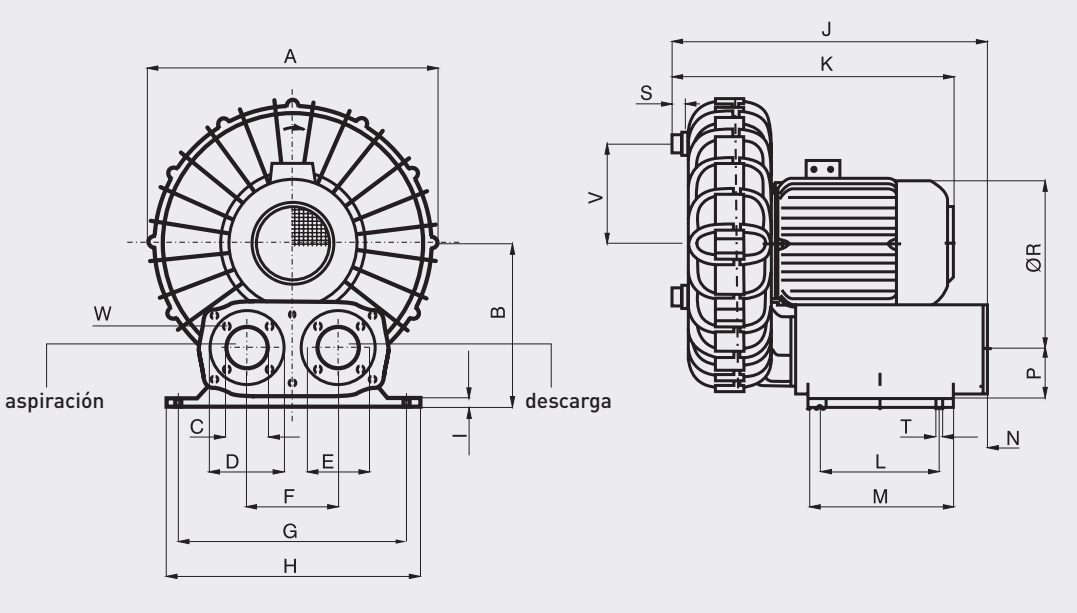

SC50 VACUUM




SC50 PRESSURE



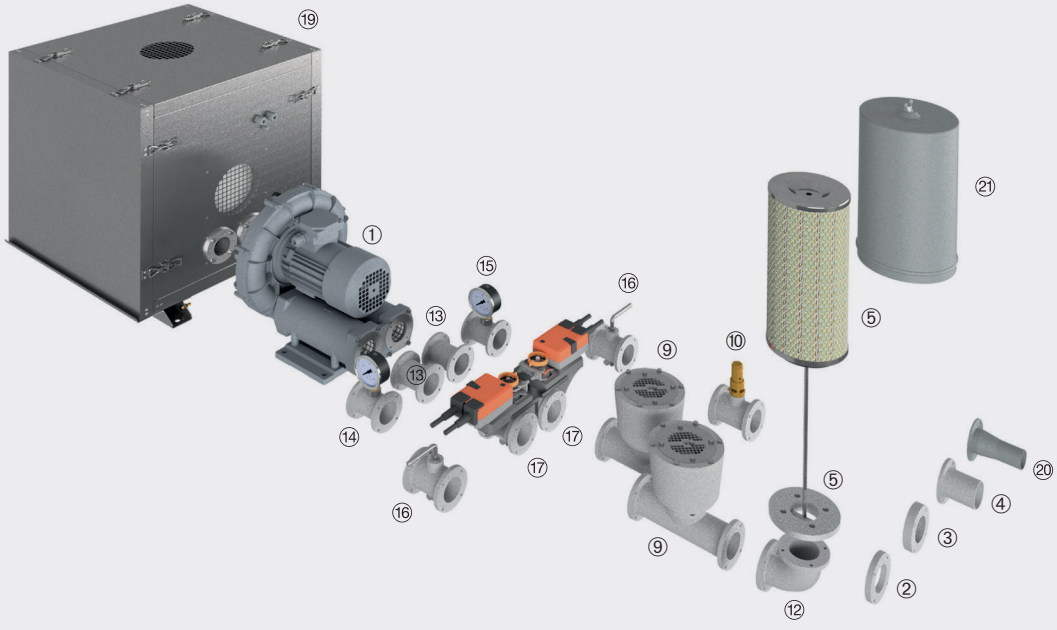
## DIMENSIONES (mm)




| Tipo | A | B | C | D | E | F | G | H | I | J | K | L | M | N | P | ØR | S | T | W | V |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SC10 | 296 | 170 | 45 | 80 | 68 | 90 | 220 | 250 | 12 | 340 | 311 | 120 | 150 | 66 | 60 | 141 | 15 | 11 | M5 | 117 |
| SC20 | 360 | 200 | 45 | 80 | 68 | 90 | 220 | 250 | 12 | 370 | 390 | 120 | 150 | 66 | 60 | 157 | 15 | 11 | M5 | 129,5 |
| SC30 | 395 | 225 | 55 | 100 | 85 | 125 | 310 | 350 | 12 | 425 | 410 | 160 | 200 | 72 | 80 | 175 | 20 | 13 | M6 | 140 |
| SC40 | 480 | 275 | 75 | 130 | 110 | 145 | 365 | 420 | 12 | 535 | 520 | 260 | 300 | 34 | 80 | 230 | 30 | 14 | M8 | 172 |
| SC46 | 540 | 303 | 100 | 150 | 130 | 160 | 400 | 450 | 20 | 660 | 600 | 370 | 430 | 50 | - | - | 30 | 20 | M8 | - |
| SC50 | 580 | 336 | 100 | 150 | 130 | 160 | 400 | 450 | 25 | 685 | 650 | 370 | 430 | 50 | 95 | 258 | 30 | 20 | M8 | 202 |

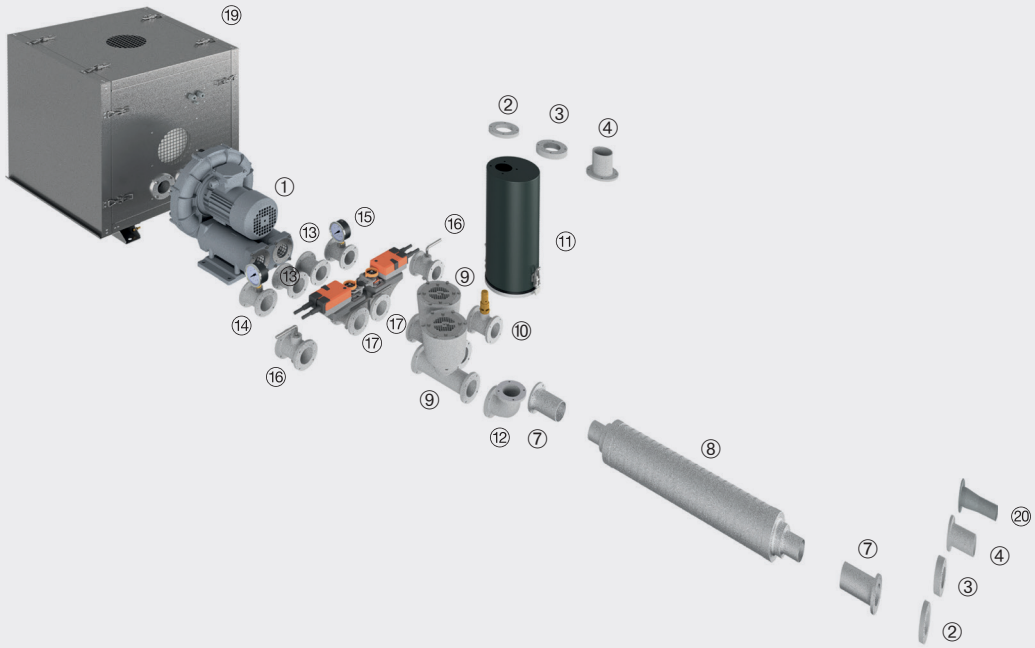
## ACCESORIOS DE MONTAJE

OPCIÓN 1

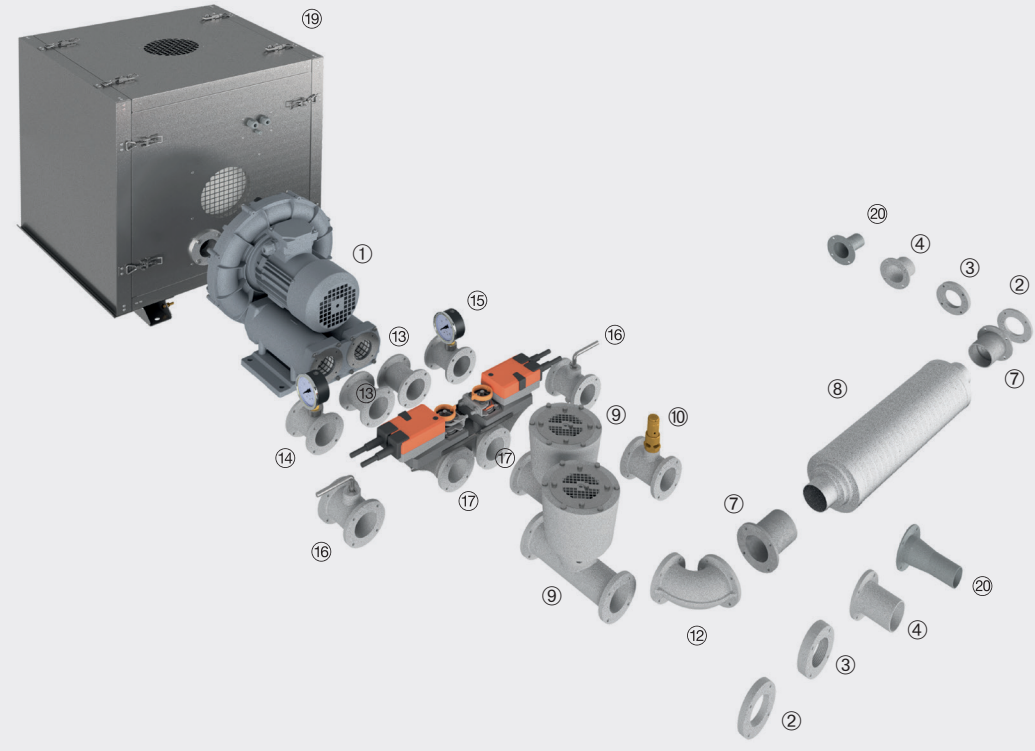


## ACCESORIOS DE MONTAJE

OPCIÓN 2

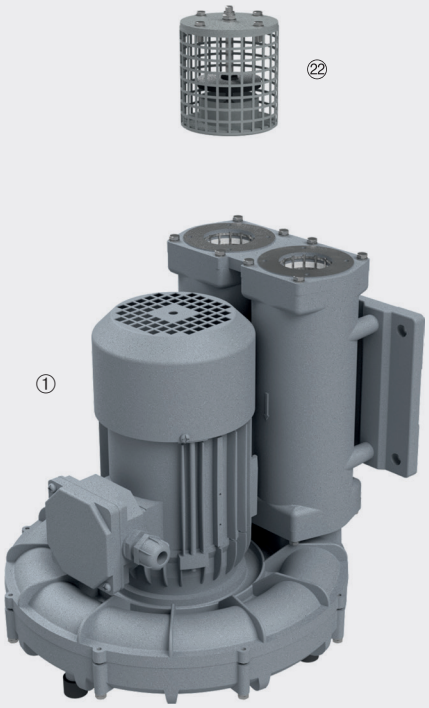



OPCIÓN 3

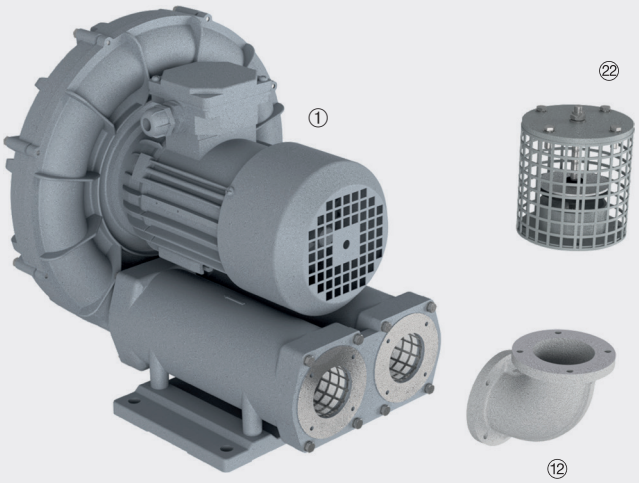


## ACCESORIOS DE MONTAJE

OPCJA 4 - A

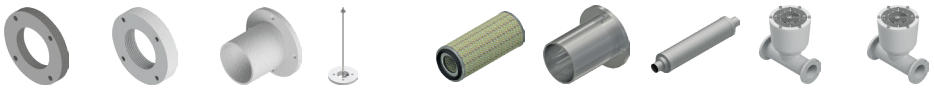



OPCJA 4 - B



## ACCESORIOS DE MONTAJE

| ① Tipo | ② Brida de soldadura | ③ Brida roscada | ④ Conexión de succión | ⑤ Brida del filtro | ⑥ Filtro | ⑦ Brida de conexión | ⑧ Silenciador | ⑨ Válvula de sobrecarga PRESIÓN | ⑨ Válvula de sobrecarga SUCCIÓN |
|---|---|---|---|---|---|---|---|---|---|
| SC10 | 45516500 | 45516600 | 46515210 | 46515110 | 46515039 | 46515250 | 46525310 | 46515520 | 46515522 |
| SC20 | 45516500 | 45516600 | 46515210 | 46515110 | 46515039 | 46515250 | 46525310 | 46515524 | 46515526 |
| PSC30 | 45516510 | 45516610 | 46515220 | 46515120 | 46515039 | 46515260 | 46525320 | 46515530 | 46515530 |
| SC30 | 45516510 | 45516610 | 46515220 | 46515120 | 46515039 | 46515260 | 46525320 | 46515530 | 46515532 |
| DSC30 | 45516510 | 45516610 | 46515220 | 46515120 | 46515039 | 46515260 | 46525320 | 46515534 | 46515546 |
| PSC40 | 45516520 | 45516620 | 46515230 | 46515130 | 46515038 | 46515270 | 46525330 | 46515540 | 46515540 |
| SC40 | 45516520 | 45516620 | 46515230 | 46515130 | 46515038 | 46515270 | 46525330 | 46515540 | 46515542 |
| DSC40 | 45516520 | 45516620 | 46515230 | 46515130 | 46515038 | 46515270 | 46525330 | 46515544 | 46515546 |
| SC46/SC50 | 45516530 | 45516630 | 46515240 | 46515140 | 46515038 | 46515280 | 46525340 | 46515550 | 46515552 |



| ① Tipo | ⑩ Válvula de sobrepresión 0-200 mbar 0-300 mbar 0-400 mbar | ⑪ Filtro de canal | ⑫ Codo | ⑬ Conexión de doble brida | ⑭ Manómetro de sobrepresión | ⑮ Manómetro de presión de vacío | ⑯ Acelerador manual | ⑰ Acelerador automático |
|---|---|---|---|---|---|---|---|---|
| SC10 | 72000058<br>72000059<br>- | 46515070 | 25515285 | 46515160 | 46515460 | 46515461 | 46515162 | 46515163 |
| SC20 | 72000058<br>72000059<br>- | 46515070 | 25515285 | 46515160 | 46515460 | 46515461 | 46515162 | 46515163 |
| SC/DSC/PSC30 | -<br>72000060<br>- | 46515075 | 25515286 | 46515170 | 46515470 | 46515471 | 46515172 | 46515173 |
| SC/DSC/PSC40 | 72000062<br>72000063<br>- | 46515080 | 25515287 | 46515180 | 46515480 | 46515481 | 46515182 | 46515183 |
| SC46/SC50 | 72000064<br>72000065<br>72000066 | 46515085 | 25515288 | 46515190 | 46515490 | 46515491 | 46515192 | 46515193 |



| ① Tipo | ⑱ Junta de EPDM | ⑲ Carcasa absorbe sonido | ⑳ Reducción | ㉑ Filtro de aire con tapa | ㉒ Brida con válvula | ㉓ Filtro de conducto con sensor de contaminación |
|---|---|---|---|---|---|---|
| SC10 | 91020025-10 | 70510321 | 46515290<br>D=100mm | 46515151 | 46515511 | 46515071 |
| SC20 | 91020025-10 | 70510321 | 46515290<br>D=100mm | 46515151 | 46515511 | 46515071 |
| SC/DSC/PSC30 | 91020025-11 | 70510322 | 46515291<br>D=130mm | 46515152 | 46515512 | 46515076 |
| SC/DSC/PSC40 | 91020025-12 | 70510323 | 46515292-01<br>D=60mm<br>46515292<br>D=150mm | 46515153 | 46515513 | 46515081 |
| SC46/SC50 | 91020025-13 | 70510324 | 46515293-01<br>D=60mm | 46515154 | 46515514 | 46515086 |



## ACCESORIOS ELÉCTRICOS

| Tipo | Inverter | Interruptor de servicio |
|---|---|---|
| SC10A 037T | L 0,4kW | R-S 3-F + SP, 10A |
| SC10A 055T | L 0,75kW | R-S 3-F + SP, 10A |
| SC10C 075T | L 0,75kW | R-S 3-F + SP, 10A |
| SC20A 110T | L 1,5kW | R-S 3-F + SP, 10A |
| SC20A 150T | L 1,5kW | R-S 3-F + SP, 10A |
| SC20C 110T | L 1,5kW | R-S 3-F + SP, 10A |
| SC20C 150T | L 1,5kW | R-S 3-F + SP, 10A |
| SC30A 220T | L 2,2kW | R-S 3-F + SP, 10A |
| SC30A 300T | L 4,0kW | R-S 3-F + SP, 10A |
| SC30C 220T | L 2,2kW | R-S 3-F + SP, 10A |
| SC30C 300T | L 4,0kW | R-S 3-F + SP, 10A |
| SC40A 400T | L 4,0kW | R-S 3-F + SP, 10A |
| SC40A 550T | L 5,5kW | R-S 3-F + SP, 10A |
| SC40A 750T | L 7,5kW | R-S 3-F + SP, 10A |
| SC40C 550T | L 5,5kW | R-S 3-F + SP, 10A |
| SC40C 750T | L 7,5kW | R-S 3-F + SP, 10A |
| SC46A 750T | L 7,5kW | R-S 3-F + SP, 10A |
| SC46A 1100T | L 11,0kW | R-S 3-F + SP, 16A |
| SC46C 750T | L 7,5kW | R-S 3-F + SP, 10A |
| SC46C 1100T | L 11,0kW | R-S 3-F + SP, 16A |
| SC50A 750T | L 7,5kW | R-S 3-F + SP, 10A |
| SC50A 1100T | L 11,0kW | R-S 3-F + SP, 16A |
| SC50A 1500T | L 15,0kW | R-S 3-F + SP, 16A |
| SC50C 750T | L 7,5kW | R-S 3-F + SP, 10A |
| SC50C 1100T | L 11,0kW | R-S 3-F + SP, 16A |
| SC50C 1500T | L 15,0kW | R-S 3-F + SP, 16A |





| Tipo | Interruptor de servicio |
|---|---|
| SC10A 037S | R-S 1-F + SP, 10A |
| SC10A 055S | R-S 1-F + SP, 10A |
| SC10C 075S | R-S 1-F + SP, 10A |
| SC20A 110S | R-S 1-F + SP, 10A |
| SC20A 150S | R-S 1-F + SP, 10A |
| SC20C 110S | R-S 1-F + SP, 10A |
| SC20C 150S | R-S 1-F + SP, 10A |
| SC30A 220S | R-S 1-F, 10A |

| Número de artículo | |
|---|---|
| L 0,4kW | 40016302 |
| L 0,75kW | 40016312 |
| L 1,5kW | 40016322 |
| L 11,0kW | 40016382 |
| L 15,0kW | 40016392 |
| L 2,2kW | 40016332 |
| L 4,0kW | 40016352 |
| L 5,5kW | 40016362 |
| L 7,5kW | 40016372 |
| R-S 1-F, 10A | 91040907 |
| R-S 1-F + SP, 10A | 91040907-01 |
| R-S 3-F + SP, 10A | 91040908-01 |
| R-S 3-F + SP, 16A | 91040908 |

# SCF-INT

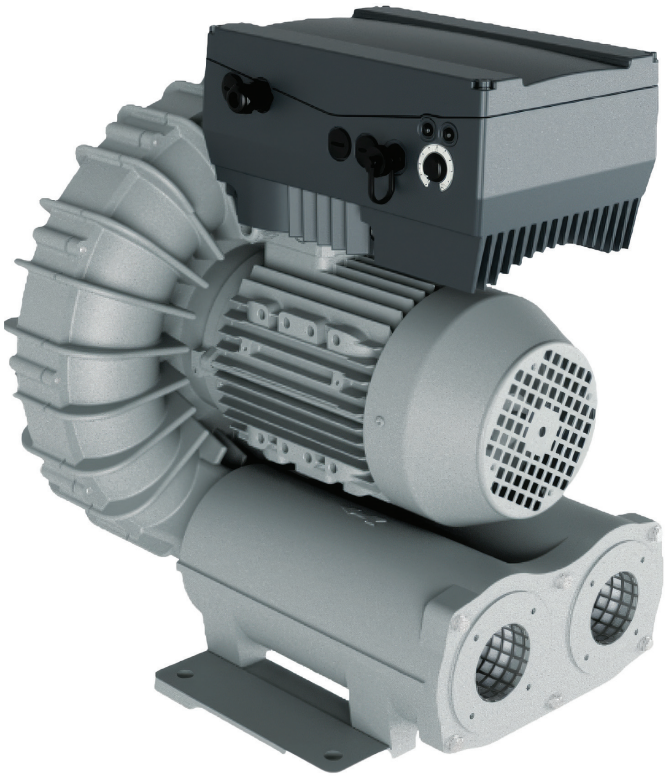
## VENTILADORES CENTRÍFUGOS DE MUY ALTA PRESIÓN

*ACOPLAMIENTO DIRECTO*

Los sopladores de canal lateral se utilizan en el transporte neumático. Aplicaciones habituales:

- Transporte neumático.
- Maquinaria de artes gráficas, elevadores neumáticos, dispositivos de filtración multietapa con un grado muy alto de separación de polvo.
- Aspiradoras industriales, piscinas, aireación en plantas de tratamiento biológico de aguas residuales, plantas de galvanoplastia, etc.
- Para el transporte sin aceite de gases no agresivos y no explosivos.





### Características

- Soplador de canal lateral con accionamiento directo.
- El impulsor está fabricado en aleación de aluminio, equilibrado dinámicamente según la norma ISO 1940-1.
- La carcasa está fabricada en aleación de aluminio.
- Soplador adaptado para funcionar en posición horizontal o vertical.
- El color estándar del soplador es gris RAL 7042.
- La temperatura máxima del fluido transportado es de 60 °C.
- Rango de temperatura ambiente de -20 °Ca +40 °C.

### Motor

- Asíncrono trifásico de 400 V, 50 Hz (conexión en Δ para técnica de 87 Hz - 87 Hz).
- Clase de eficiencia IE3 (a partir de 0,75 kW) o IE2 (por debajo de 0,75 kW).
- Grado de protección IP55.
- Clase de aislamiento F.
- Protección térmica (TP o TP y PTC), en motores seleccionados.
- Refrigeración externa 230 V, 50 Hz / 24 V CC (opcional).

### Convertidor de frecuencia

Integrado en el motor eléctrico, configuración de fábrica para técnica de 87 Hz.
Equipamiento estándar:

- Entrada analógica (0-10 V / 0-20 mA).
- Panel de control integrado o cableado (control y configuración).
- Equipamiento opcional:
- Tarjetas de comunicación CANopen, EtherCAT, PROFINET, Sercos III, PROFIBUS.
- Implantación de seguridad: función de seguridad + CANopen, seguridad + EtherCAT, seguridad + PROFINET, seguridad + Sercos, seguridad.

### Ejecuciones especiales

- Motor con grado de protección diferente al estándar.
- Motor equipado con sensores o refrigeración adicional.
- Rango de temperatura ambiente inferior a -20 °C y superior a +40 °C.

### CARACTERÍSTICAS TÉCNICAS

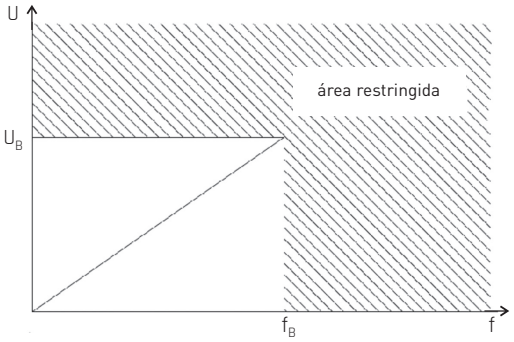
Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación

| Tipo | Caudal máximo ($m^3/h$) | Presión máxima (vacío, presión) (mbar) | | Velocidad (r.p.m.) | Voltaje (V) | Corriente (87 Hz Δ 400 V) (A) | Potencia del motor a 50 Hz (kW) | Potencia del motor a 87 Hz (técnica de 87 Hz) (kW) | Voltaje del inversor (V) | Frecuencia de potencia del inversor (Hz) | Voltaje del motor de enfriamiento (V) | Peso (kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SC-F-10-INT-190T | 180 | 247 | 283 | 5050 | 400 | 5,25 | 1,5 | 2,6 | 400 | 50/60 | 230 | 27 |
| SC-F-10-INT-260T | 180 | 313 | 476 | 5050 | 400 | 7,9 | 2,2 | 3,8 | 400 | 50/60 | 230 | 29 |
| SC-F-20-INT-380T | 296 | 259 | 362 | 5050 | 400 | 7,9 | 2,2 | 3,8 | 400 | 50/60 | 230 | 39 |
| SC-F-20-INT-520T | 295 | 347 | 359 | 5030 | 400 | 11 | 3 | 5,2 | 400 | 50/60 | 230 | 45,7 |
| SC-F-30-INT-950T | 557 | 371 | 380 | 5020 | 400 | 17 | 5,5 | 9,5 | 400 | 50/60 | 230 | 63,7 |
| SC-F-40-INT-1900T | 1089 | 280 | 338 | 5010 | 400 | 33 | 11 | 19 | 400 | 50/60 | 230 | 176 |
| SC-F-50-INT-2600T (70Hz) | 1430 | 370 | 375 | 4050 | 400 | 46 | 15 | 26 (70Hz) | 400 | 50/60 | 230 | 63,7 |

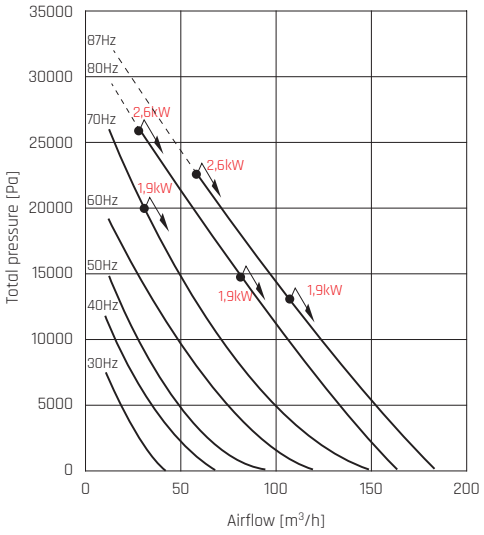
## CURVAS CARACTERÍSTICAS

El convertidor que alimenta el motor debe tener la siguiente clasificación U(f):

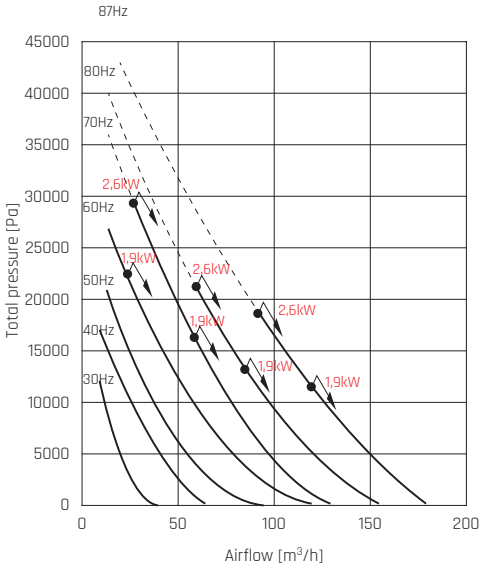
$U_B$ - Conexión de 400 V en Δ para 87 Hz (técnica de 87 Hz)
$f_B$ - Frecuencia 87Hz



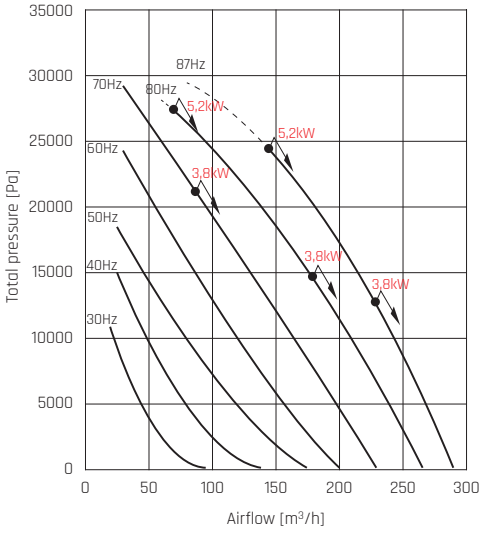

### SC-F 10 SUCTION



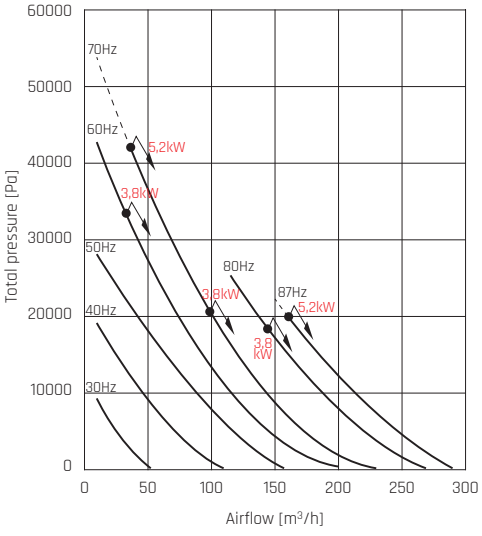

### SC-F 10 PRESSING




### SC-F 20 SUCTION

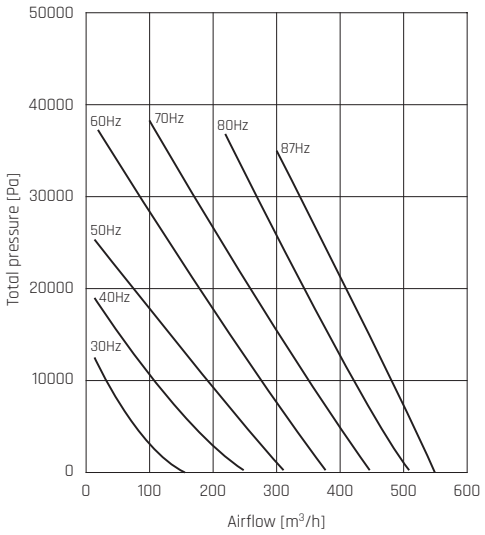



### SC-F 20 PRESSING

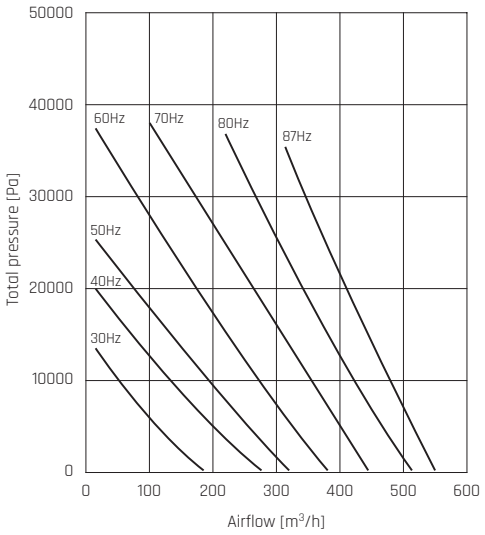


## CURVAS CARACTERÍSTICAS

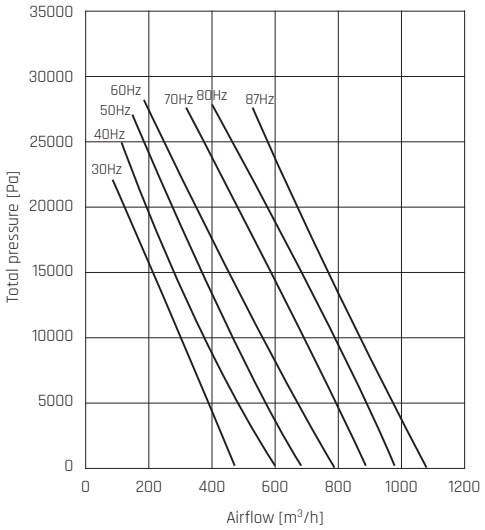
### SC-F 30 SUCTION



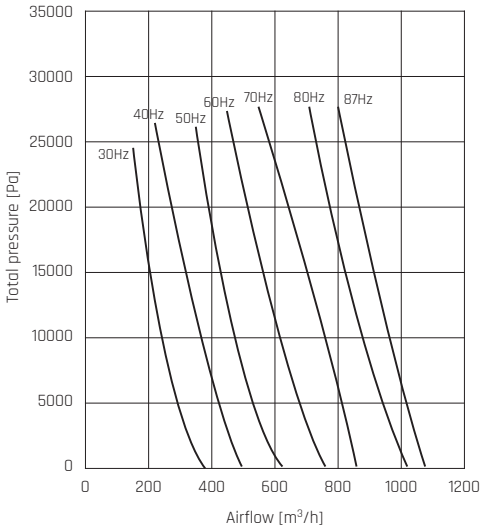

### SC-F 30 PRESSING



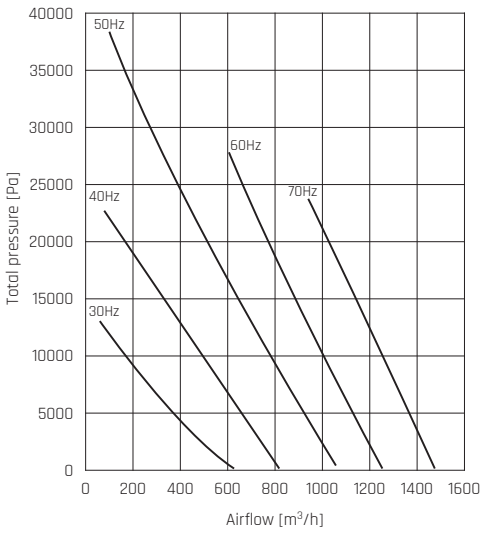

### SC-F 40 SUCTION



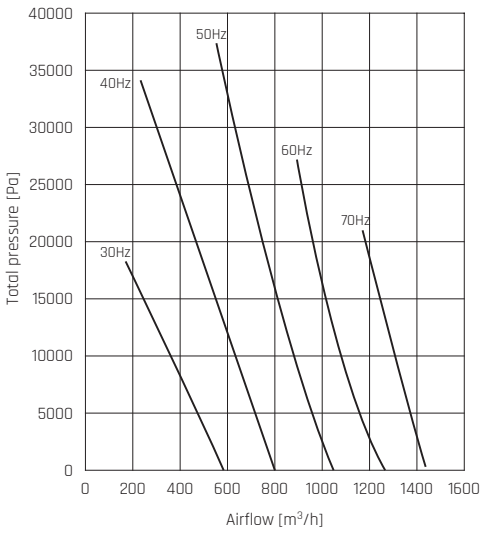

### SC-F 40 PRESSING




### SC-F 50 SUCTION

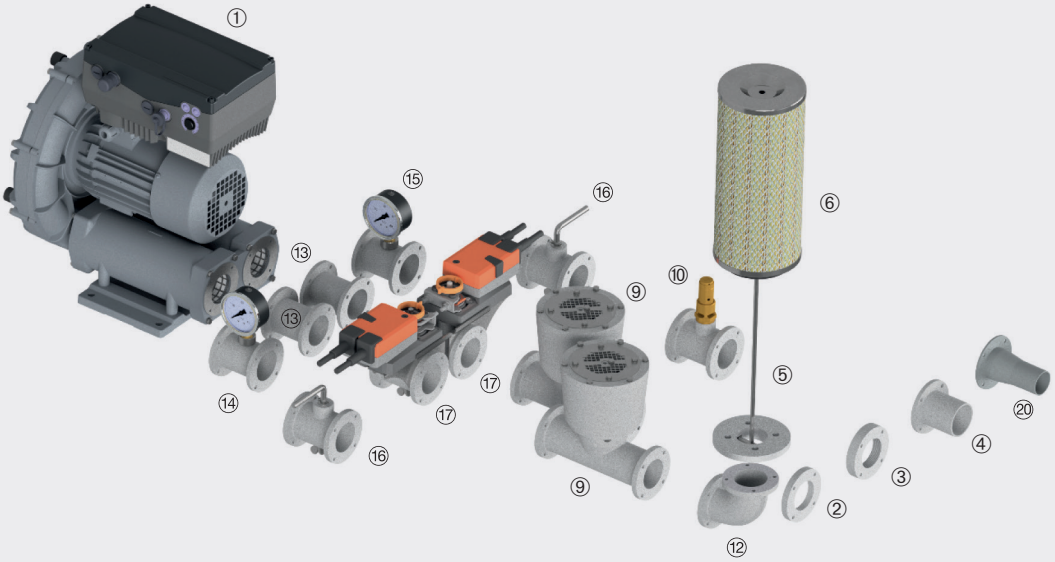



### SC-F 50 PRESSING

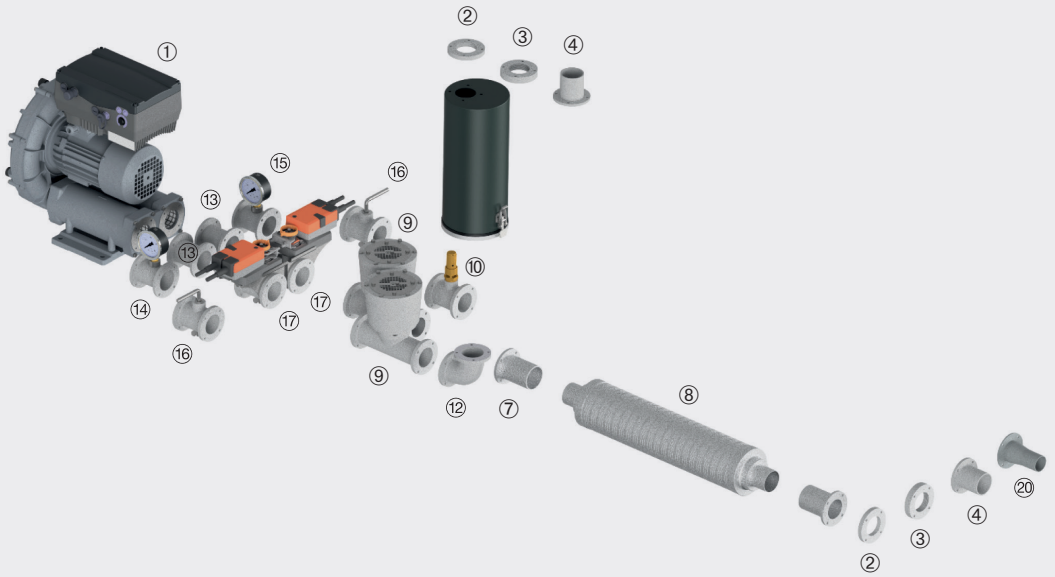


## ACCESORIOS DE MONTAJE

OPCIÓN 1

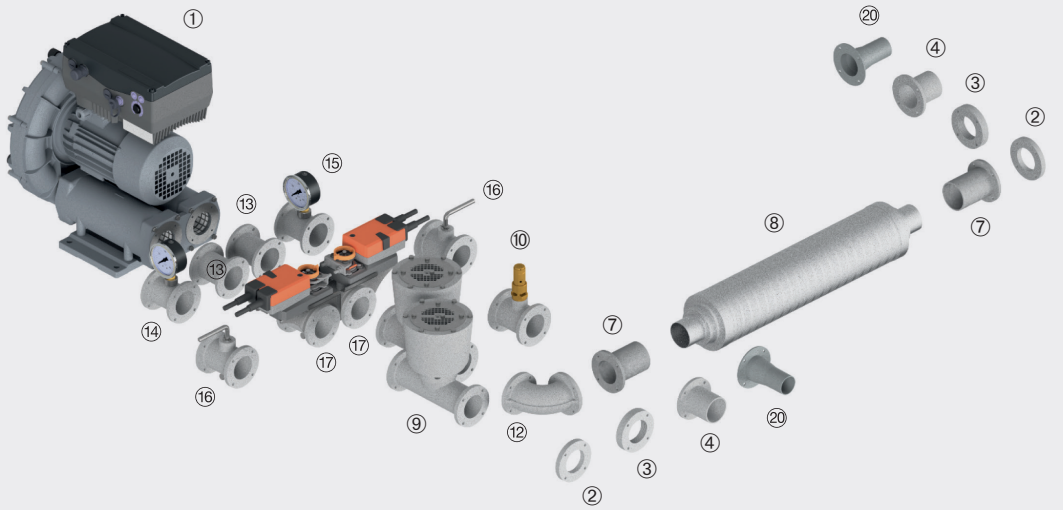



OPCIÓN 2



## ACCESORIOS DE MONTAJE

OPCIÓN 2



## ACCESORIOS DE MONTAJE

| ① Tipo | ② Brida de soldadura | ③ Brida roscada | ④ Conexión de succión | ⑤ Brida del filtro | ⑥ Filtro | ⑦ Brida de conexión | ⑧ Silenciador |
|---|---|---|---|---|---|---|---|
| SC-F-INT-10 | 45516500 | 45516600 | 46515210 | 46515110 | 46515039 | 46515250 | 46525310 |
| SC-F-INT-20 | 45516500 | 45516600 | 46515210 | 46515110 | 46515039 | 46515250 | 46525310 |
| SC-F-INT-30 | 45516510 | 45516610 | 46515220 | 46515120 | 46515039 | 46515260 | 46525320 |
| SC-F-INT-40 | 45516520 | 45516620 | 46515230 | 46515130 | 46515038 | 46515270 | 46525330 |
| SC-F-INT-50 | 45516530 | 45516630 | 46515240 | 46515140 | 46515038 | 46515280 | 46525340 |









| ① Tipo | ⑨ Válvula de sobrecarga | ⑩ Válvula de sobrepresión 0-200 mbar 0-300 mbar 0-400 mbar | ⑪ Filtro de canal | ⑫ Codo | ⑬ Conexión de doble brida | ⑭ Manómetro de sobrepresión | ⑮ Manómetro de presión de vacío |
|---|---|---|---|---|---|---|---|
| SC-F-INT-10 | 46515520 | 72000058<br>72000059<br>- | 46515070 | 25515285 | 46515160 | 46515460 | 46515461 |
| SC-F-INT-20 | 46515520 | 72000058<br>72000059<br>72000066 | 46515070 | 25515285 | 46515160 | 46515460 | 46515461 |
| SC-F-INT-30 | 46515530 | -<br>72000060<br>72000066 | 46515075 | 25515286 | 46515170 | 46515470 | 46515471 |
| SC-F-INT-40 | 46515540 | 72000062<br>72000063<br>72000066 | 46515080 | 25515287 | 46515180 | 46515480 | 46515481 |
| SC-F-INT-50 | 46515550 | - | 46515085 | 25515288 | 46515190 | 46515490 | 46515491 |









| ① Tipo | ⑯ Acelerador manual | ⑰ Acelerador automático | ⑱ Junta de EPDM | ⑲ Carcasa absorbe sonido | ⑳ Reducción |
|---|---|---|---|---|---|
| SC-F-INT-10 | 46515162 | 46515163 | 91020025-10 | 70510321 | 46515290<br>D=100mm |
| SC-F-INT-20 | 46515162 | 46515163 | 91020025-10 | 70510321 | 46515290<br>D=100mm |
| SC-F-INT-30 | 46515172 | 46515173 | 91020025-11 | 70510322 | 46515291<br>D=130mm |
| SC-F-INT-40 | 46515182 | 46515183 | 91020025-12 | 70510323 | 46515292-01<br>D=60mm<br>46515292<br>D=150mm |
| SC-F-INT-50 | 46515192 | 46515193 | 91020025-13 | _ | - |

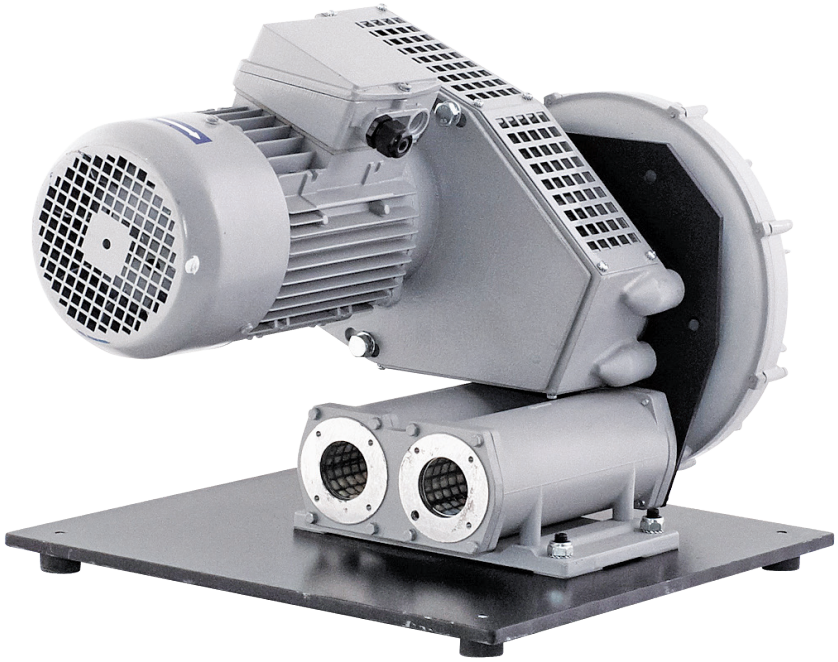





# SC-VB

## VENTILADORES CENTRÍFUGOS DE MUY ALTA PRESIÓN

*TRANSMISIÓN*



### Aplicación

- Transporte neumático.
- Maquinaria de artes gráficas, elevadores neumáticos, dispositivos de filtración multietapa con un alto grado de separación de polvo.
- Aspiradoras industriales, piscinas, aireación en plantas de tratamiento biológico de aguas residuales, plantas de galvanoplastia, etc.
- Para el transporte sin aceite de gases no agresivos y no explosivos. El fluido está a 60 °C.
- Rango de temperatura ambiente de -20 °C a +40 °C.



### CARACTERÍSTICAS TÉCNICAS

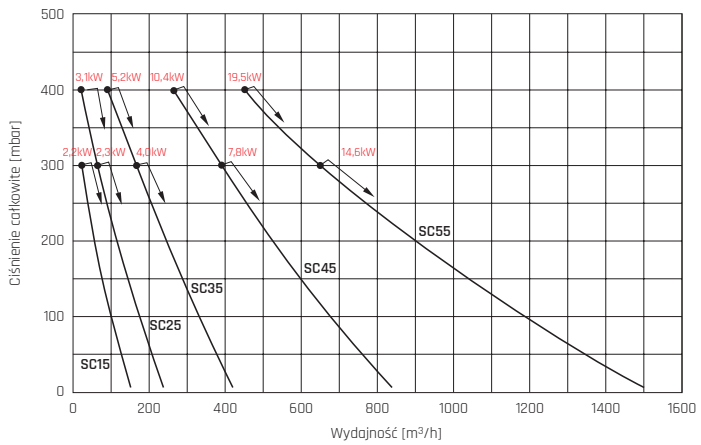
Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación

| Tipo | Aspiración Caudal máximo / presión máxima | | Impulsión Caudal máximo / presión máxima | | Velocidad | Potencia máxima absorbida | Peso | Número de artículo** |
|---|---|---|---|---|---|---|---|---|
| | [m3/h] | [mbar] | [m3/h] | [mbar] | [r.p.m.] | [kW] | [kg] | |
| SC15 | 150 | 300 | 150 | 400 | 4100 | 3 | 17 | 46511052 |
| SC25 | 250 | 400 | 250 | 500 | 4100 | 4,2 | 21 | 46511070-20 |
| SC35 | 420 | 400 | 420 | 500 | 4100 | 7 | 35 | 46511170-20 |
| SC45 | 850 | 400 | 850 | 500 | 4100 | 14,5 | 64 | 46511200-20 |
| SC55 | 1500 | 400 | 1500 | 500 | 4100 | 25,2 | 85 | 46511250-20 |

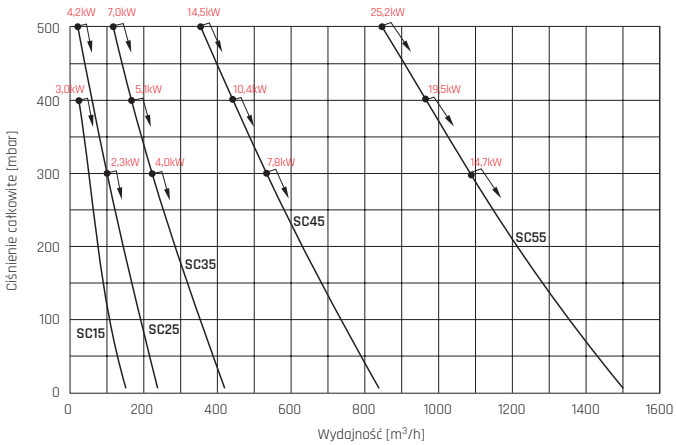
* unidad de ventilador
** unidad de ventilador, sin motor ni bastidor de montaje.

### CURVAS CARACTERÍSTICAS

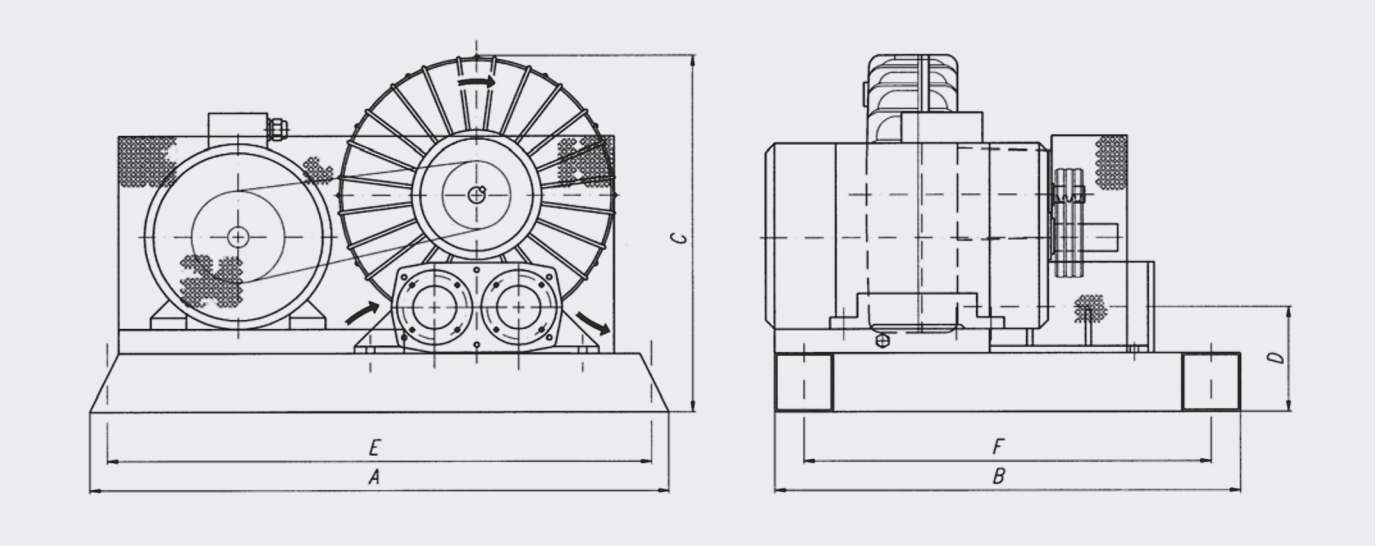
SC-VB SUCTION



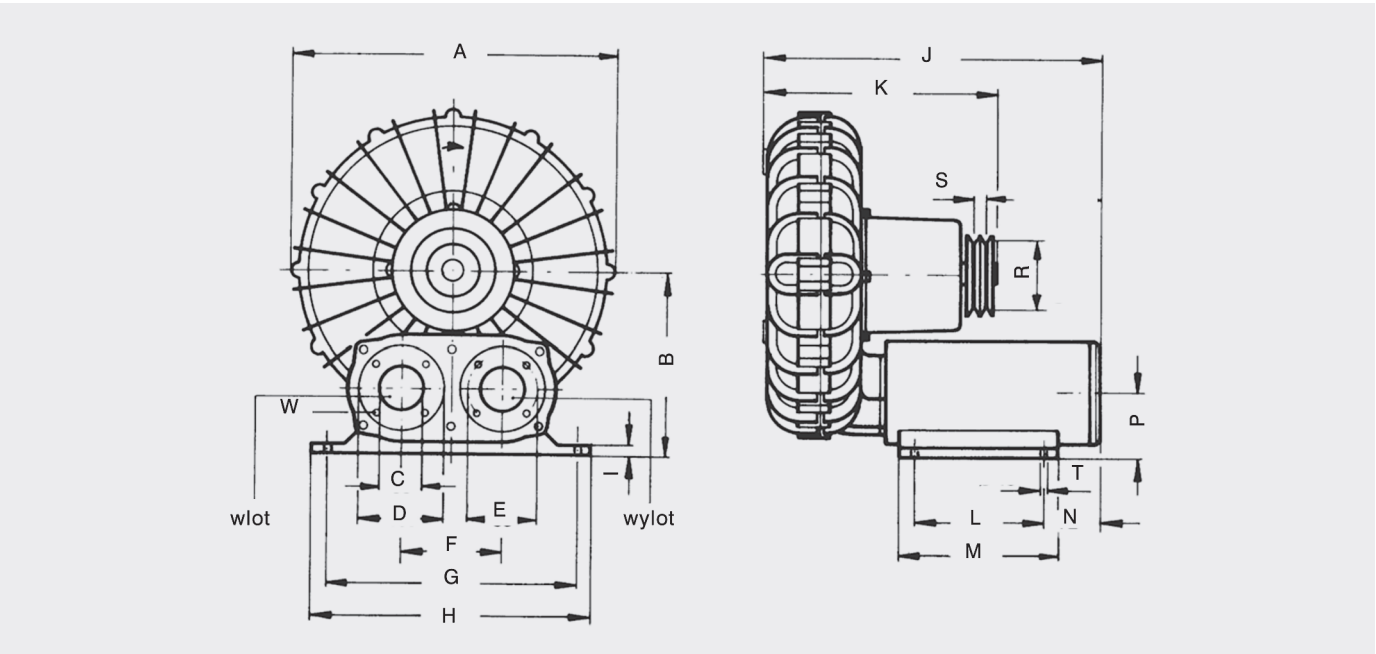

SC-VB PRESSING



## DIMENSIONES (mm)




| Tipo | A | B | C | D | E | F |
|---|---|---|---|---|---|---|
| SC15 | 700 | 450 | 330 | 70 | 660 | 410 |
| SC25 | 700 | 450 | 390 | 70 | 660 | 410 |
| SC35 | 760 | 530 | 483 | 140 | 700 | 490 |
| SC45 | 995 | 800 | 612 | 180 | 935 | 740 |
| SC55 | 1050 | 890 | 730 | 195 | 970 | 790 |

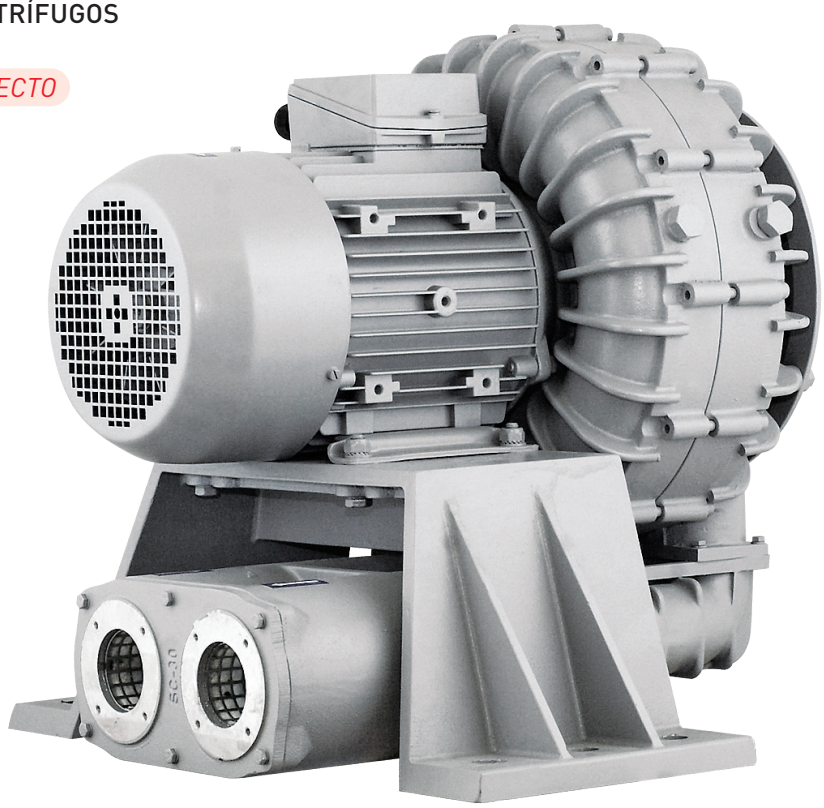



| Tipo | A | B | C | D | E | F | G | H | I | J | K | L | M | N | P | R | S | T | W |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SC15 | 296 | 170 | 45 | 80 | 68 | 90 | 220 | 250 | 12 | 315 | 215 | 120 | 150 | 66 | 60 | 75 | 12 | 11 | M5 |
| SC25 | 360 | 200 | 45 | 80 | 68 | 90 | 220 | 250 | 12 | 345 | 260 | 120 | 150 | 66 | 60 | 100 | 12 | 11 | M5 |
| SC35 | 395 | 225 | 55 | 100 | 85 | 125 | 310 | 350 | 12 | 425 | 300 | 160 | 200 | 72 | 80 | 100 | 12 | 13 | M6 |
| SC45 | 480 | 275 | 75 | 130 | 110 | 145 | 365 | 420 | 12 | 480 | 380 | 260 | 300 | 34 | 80 | 160 | 12 | 14 | M8 |
| SC55 | 580 | 336 | 100 | 150 | 130 | 160 | 400 | 450 | 20 | 620 | 490 | 370 | 430 | 58 | 95 | 160 | 12 | 20 | M8 |

# DSC

## VENTILADORES CENTRÍFUGOS DE MEDIA PRESIÓN

*ACOPLAMIENTO DIRECTO*



En el transporte neumático se utilizan dispositivos de canal lateral.
Aplicaciones habituales:

- Maquinaria de artes gráficas, correo neumático, elevadores neumáticos, dispositivos de filtración multietapa con un grado muy alto de separación de polvo.
- Aspiradoras industriales, piscinas, aireación de piscinas biológicas, plantas de tratamiento de aguas residuales, plantas de galvanoplastia, etc.



**Características**

- Ventilador de canal lateral de dos etapas con accionamiento directo.
- Impulsor de aleación de aluminio, equilibrado dinámicamente según la norma ISO 1940-1.
- Carcasa fabricada en aleación de aluminio.
- Adaptado para funcionar en posición horizontal o vertical.
- Pintado en gris RAL 7042.
- Temperatura máxima del fluido 60° C.
- Rango de temperatura ambiente de -20 °C a +40 °C.

**Motor**

- Asíncrono monofásico, 230 V , 50 Hz (potencia hasta 2,2 kW).
- Asíncrono trifásico, 230 / 400 V , 50 Hz (hasta 3 kW).
- Asíncrono trifásico, 400 / 690 V , 50 Hz (potencia a partir de 4 kW).
- Clase de eficiencia IE3 (a partir de 0,75 kW) o IE2 (por debajo de 0,75 kW).
- Grado de protección IP55.
- Clase de aislamiento F.
- Para regulación de frecuencia (motores trifásicos).
- Protección térmica (TP o TP y PTC), en motores seleccionados.

**Bajo pedido**

- Voltaje y frecuencia del motor diferentes.
- Motor monofásico adaptado a la regulación de voltaje.
- Grado diferente de protección del motor.
- Motor equipado con sensores o refrigeración adicional.
- Sellado entre la carcasa y el motor (Simmerging).
- Temperatura máxima del fluido superior a 60 °C.
- Temperatura ambiente del motor inferior a -20 °C y superior a +40 °C.
- Transmisión por correa: 80 °C.
- Temperatura ambiente del motor inferior a -20 °C y superior a +40 °C.

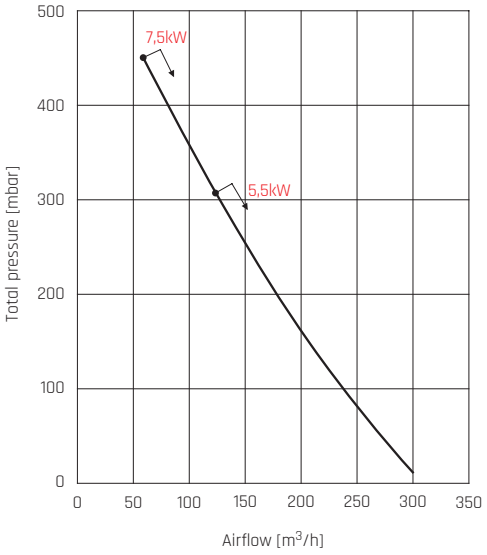
## CARACTERÍSTICAS TÉCNICAS

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación

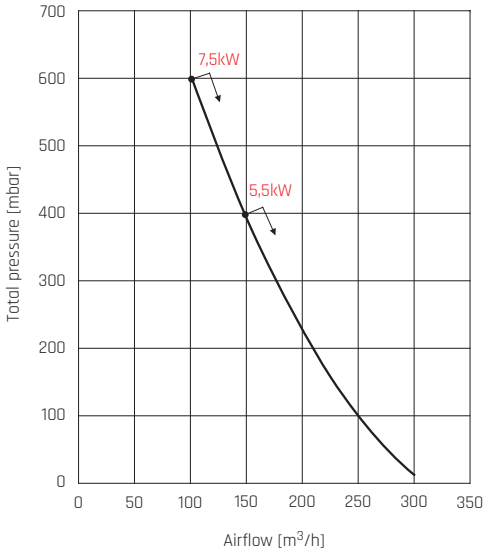
| Tipo | Caudal máximo ($m^3/h$) | Potencia máxima absorbida (kW) | Intensidad máxima absorbida (A) | Voltaje (V) | Nivel presión sonora (dB(A))* | Peso (kg) |
|---|---|---|---|---|---|---|
| PARALELO DE DOS ETAPAS | | | | | | |
| PSC30C550T | 600 | 5,5 | 10,5 D | 400/690 | 82 | 110 |
| PSC30C750T | 600 | 7,5 | 14,0 D | 400/690 | 84 | 110 |
| PSC40A750T | 1270 | 7,5 | 14,0 D | 400/690 | 84 | 126 |
| PSC40A1100T | 1270 | 11 | 21,2 D | 400/690 | 86 | 128 |
| PSC40A1500T | 1270 | 15 | 27,2 D | 400/690 | 88 | 155 |
| SERIE DE DOS ETAPAS | | | | | | |
| DSC30C550T | 300 | 5,5 | 10,5 D | 400/690 | 82 | 110 |
| DSC30C750T | 300 | 7,5 | 14,0 D | 400/690 | 84 | 110 |
| DSC40A750T | 700 | 7,5 | 14,0 D | 400/690 | 84 | 126 |
| DSC40A1100T | 700 | 11 | 21,2 D | 400/690 | 86 | 128 |
| DSC40A1500T | 700 | 15 | 27,2 D | 400/690 | 88 | 155 |

## CURVAS CARACTERÍSTICAS

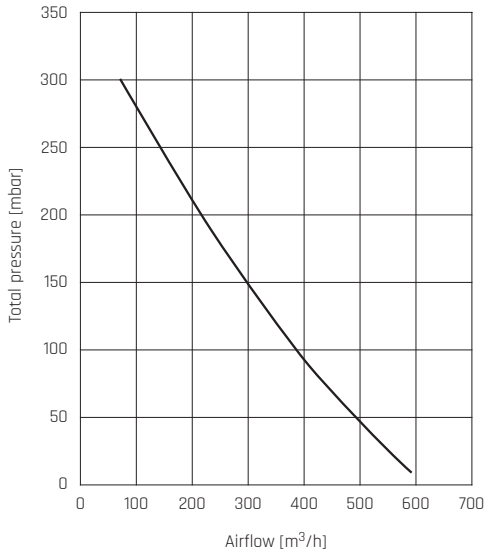
### SERIES DSC30 SUCTION



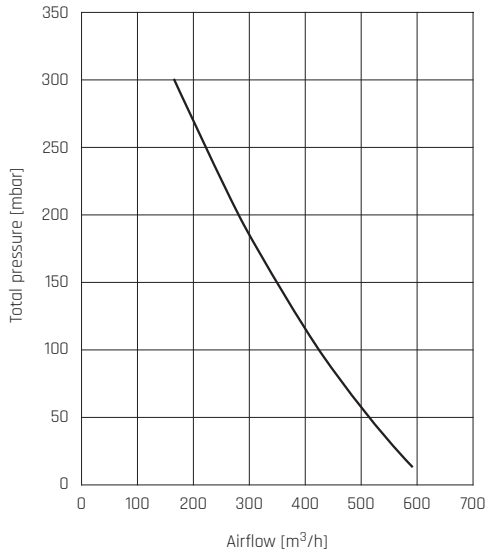

### SERIES DSC30 PRESSING




### PARALLEL PSC30 SUCTION

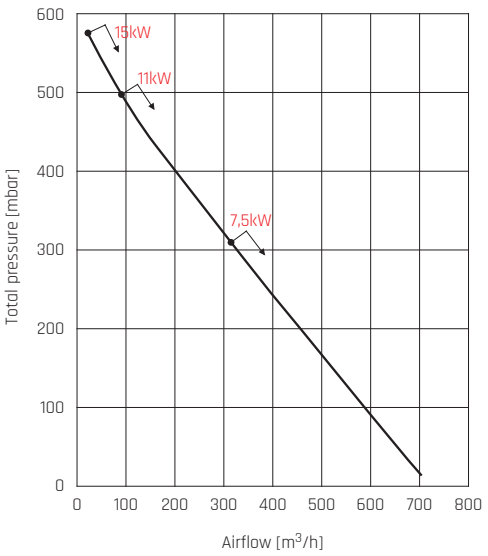



### PARALLEL PSC30 PRESSING

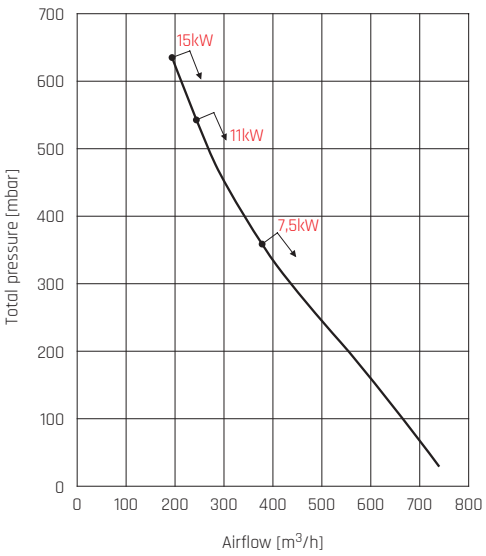


## CURVAS CARACTERÍSTICAS

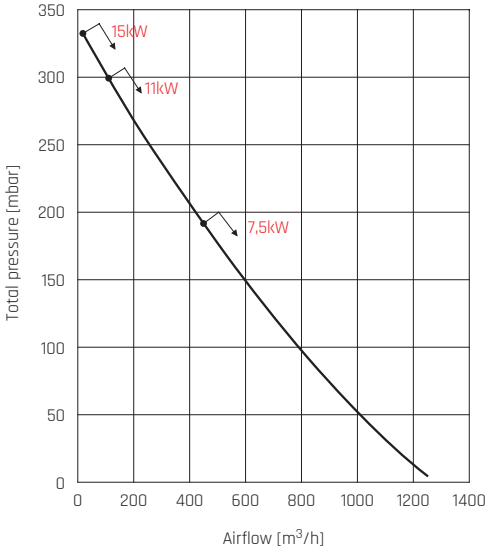
SERIES DSC40 SUCTION



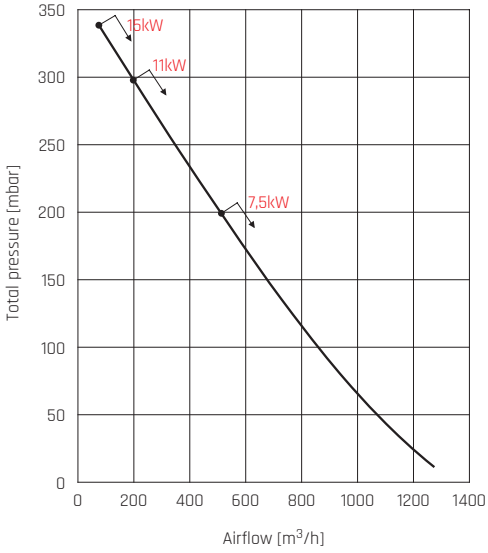

SERIES DSC40 PRESSING



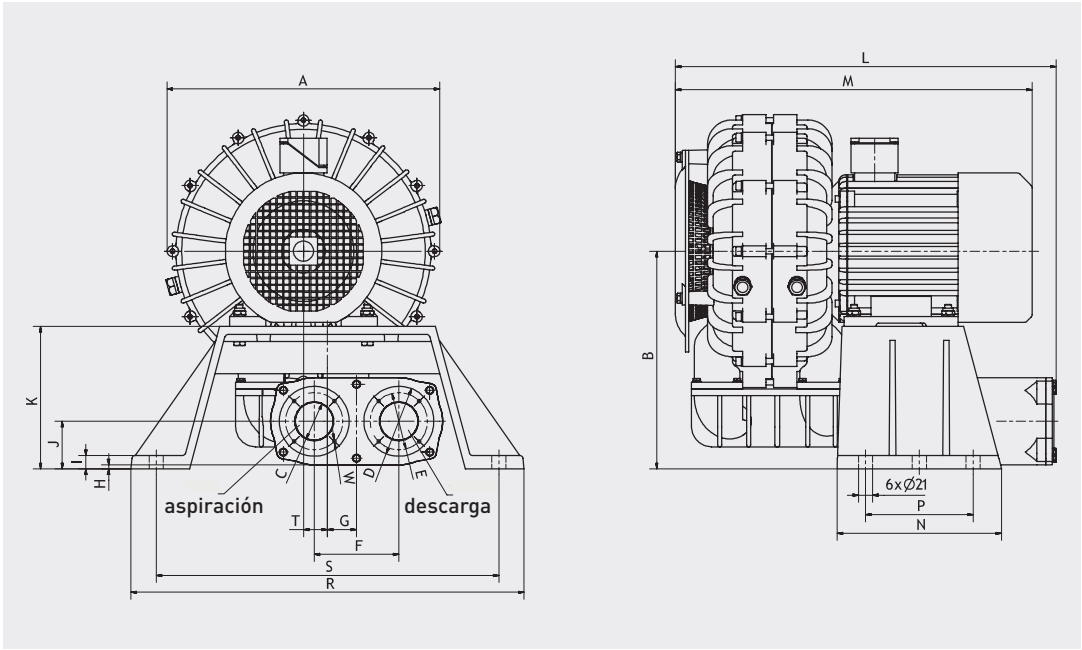

PARALLEL PSC40 SUCTION




PARALLEL PSC40 PRESSING



## DIMENSIONES (mm)




| Tipo | ØA | B | ØC | ØD | ØE | F | G | H | I | J | K | L | M | N | P | R | S | T | W |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DSC30 | 406 | 324 | 58 | 104 | 85 | 126 | 43,5 | 6,2 | 20 | 71 | 212 | 567 | 531 | 245 | 160 | 585 | 510 | 79 | M6 |
| PSC30 | 406 | 324 | 58 | 104 | 85 | 126 | 0 | 6,2 | 20 | 71 | 212 | 567 | 531 | 245 | 160 | 585 | 510 | 0 | M6 |
| DSC40 | 502 | 407 | 75 | 130 | 110 | 145 | 32,5 | 1,5 | 20 | 76,5 | 275 | 653 | 584 | 340 | 260 | 600 | 520 | 74,5 | M8 |
| PSC40 | 502 | 407 | 75 | 130 | 110 | 145 | 32,5 | 1,5 | 20 | 76,5 | 275 | 653 | 584 | 340 | 260 | 600 | 520 | 0 | M8 |

# Transporte de materia

# K

## VENTILADORES CENTRÍFUGOS PARA TRANSPORTE DE MATERIA

*ACOPLAMIENTO DIRECTO*



Ventilador centrífugo de acoplamiento directo y simple aspiración. Fabricados en chapa de acero protegida contra la corrosión mediante tratamiento por cataforesis + pintura poliuretana. Temperaturas del aire a transportar -20ºC/+100ºC en continuo.



APLICACIONES

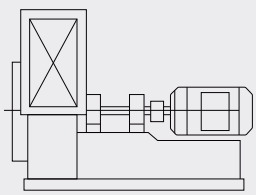
**Aire a transportar**
Transporte de material y neumático

**Cantidad de polvo (mg/m³)**
<50000



Rodete de álabes radiales

**SISTEMA 8:** acoplamiento mediante junta elástica.



Disponible bajo pedido

**Motores**
De 2 polos, de alta eficiencia IE 3*, tensión de alimentación trifásica 230/400V 50Hz hasta tamaño motor 112 y 400/690V 50Hz para motores de mayor dimensión. Protección IP55, Clase F.

* Entre 75 y 200kW, los motores suministrados serán IE4.

**Bajo pedido**
- Fabricación en diferentes materiales constructivos.
- Motores de 2 velocidades.
- Versiones de 60 Hz.
- Pintura en diferentes RAL.
- Versión sin pie soporte (Motor-Brida, Sistema 5), hasta tamaño de motor 160.
- Versión para alta temperatura: hasta 220ºC (versiones B: con rodete de refrigeración).
- SISTEMA 8: acoplamiento mediante junta elástica.
- Purga de drenaje, distintos tipos de estanqueidad a nivel de voluta y de paso de eje.
- Ventiladores estancos.
- Calorifugado.

**Versiones ATEX**
Bajo pedido, versiones antiexplosivas según la Directiva ATEX para modelos trifásicos: Para trabajar a temperaturas de -20ºC a +60ºC, presión ambiente (absoluta) de 0,8 bar hasta 1,1 bar, según EN 14986.
- Gas:
  Ex 3G IIB T2-T3-T4
  Ex 3G IIB+H2 T2-T3-T4
- Polvo no conductivo:
  Ex 3D IIIB T125°C-T135°C-T195°C-T295°C
- Polvo conductivo (con motor IP65 IIIC):
  Ex 3D IIIC T125°C-T135°C-T195°C-T295°C

## CARACTERÍSTICAS TÉCNICAS

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación

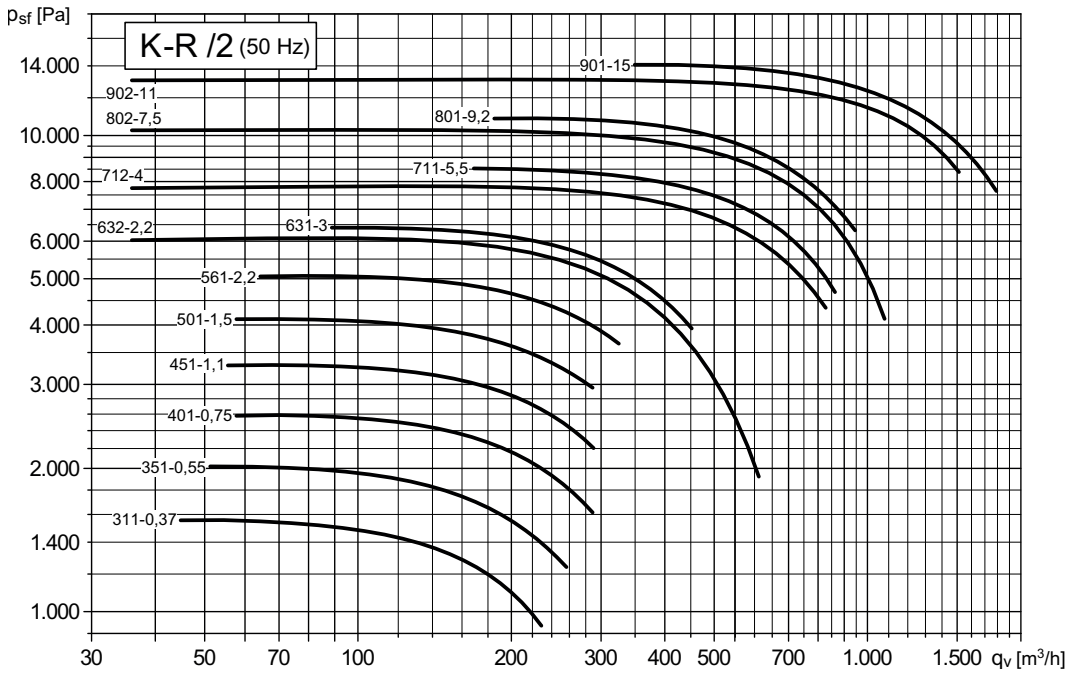
| Modelo | Tamaño motor | Velocidad (r.p.m.) | Potencia motor (kW) | Intensidad motor 400V (A) | Caudal máximo ($m^3/h$) | Nivel presión sonora a 1 m (dB(A))[1] | Peso (kg)[2] | Momento de inercia ($kg \cdot m^2$)[3] |
|---|---|---|---|---|---|---|---|---|
| 2 POLOS | | | | | | | | |
| K 311/2 R4A | 71A2 | 2810 | 0,37 | 0,90 | 230 | 72 | 24 | 0,05 |
| K 351/2 R4A | 71B2 | 2820 | 0,55 | 1,25 | 260 | 73 | 25 | 0,07 |
| K 401/2 R4A | 80A2 | 2840 | 0,75 | 1,59 | 290 | 74 | 29 | 0,10 |
| K 451/2 R4A | 80B2 | 2840 | 1,10 | 2,33 | 290 | 76 | 42 | 0,15 |
| K 501/2 R4A | 90S2 | 2840 | 1,50 | 3,07 | 290 | 78 | 45 | 0,23 |
| K 561/2 R4A | 90L2 | 2850 | 2,20 | 4,43 | 330 | 80 | 66 | 0,38 |
| K 632/2 R4A | 90L2 | 2850 | 2,20 | 4,43 | 610 | 81 | 68 | 0,48 |
| K 631/2 R4A | 100M2 | 2900 | 3,00 | 5,77 | 450 | 82 | 73 | 0,60 |
| K 712/2 R4A | 112M2 | 2910 | 4,00 | 7,50 | 830 | 84 | 100 | 0,73 |
| K 711/2 R4A | 132SA2 | 2890 | 5,50 | 10,10 | 860 | 85 | 112 | 0,98 |
| K 802/2 R4A | 132SB2 | 2890 | 7,50 | 13,90 | 1.080 | 85 | 124 | 1,13 |
| K 801/2 R4A | 132MB2 | 2900 | 9,20 | 16,60 | 950 | 88 | 130 | 1,60 |
| K 902/2 R4A | 160MR2 | 2935 | 11,00 | 18,70 | 1.510 | 89 | 200 | 2,20 |
| K 901/2 R4A | 160M2 | 2935 | 15,00 | 25,40 | 1.790 | 90 | 210 | 2,90 |

1 Entubado en la descarga
Tolerancia del nivel de ruido de +3dB/A, medido en el punto de máxima eficiencia
2 Con motor incluido y para orientación LG270 o RD270
3 Momento de inercia del rodete

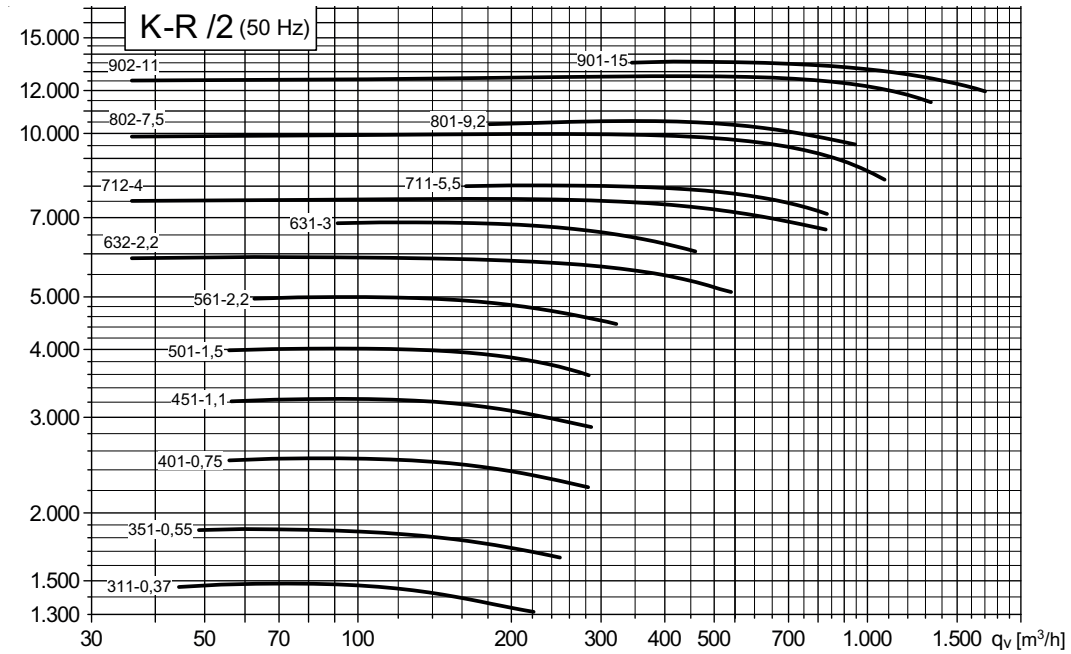
## CURVAS CARACTERÍSTICAS (a la descarga/ a la aspiración)

- Ventiladores ensayados con la aspiración y la descarga entubadas
- **Psf: Presión estática en Pa**
- Modelo - Potencia motor en kW
- Ejemplo: 561 - 2,2
  Modelo - kW

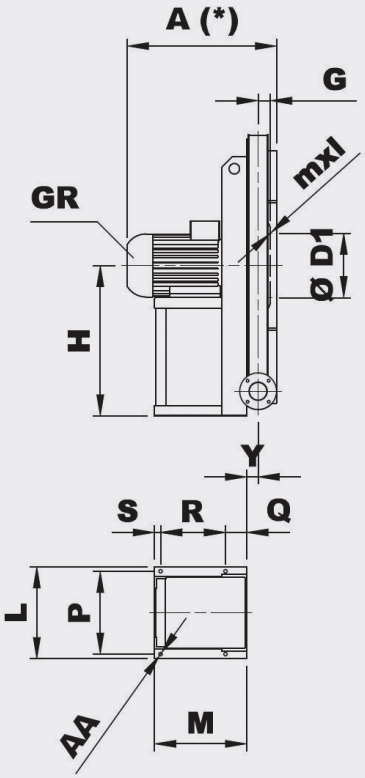
2 polos - Descarga - Modelos desde 311 hasta 901

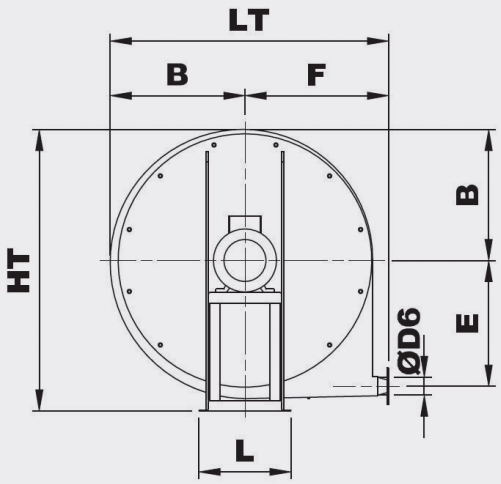



2 polos - Aspiración - Modelos desde 311 hasta 901



## DIMENSIONES (mm)

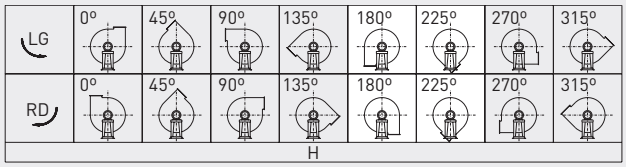



DESCARGA ORIENTABLE

EJECUCIÓN B
Con rodete de refrigeración, contactar con oficina técnica.

ORIENTACIONES

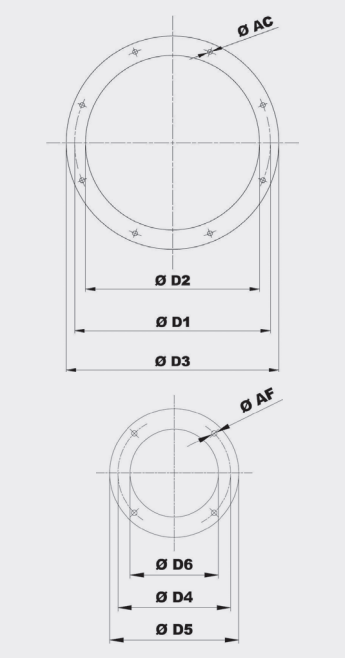



Para los ventiladores con orientaciones 180º y 225º, contactar con oficina técnica

| Modelo | | | | | | | | | | | | | | Base | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Motor GR | A* | B | C | ØD1 | E | F | G | H | HT | mxl | Y | LT | ØD6 | L | P | M | Q | R | S | ØAA |
| K 311/2 R4A | 71A2 | 340 | 245 | 240 | 182 | 220 | 270 | 35 | 280 | 520 | M6x16 | 31 | 515 | 54 | 225 | 203 | 215 | 45 | 156 | 14 | 10 |
| K 351/2 R4A | 71B2 | 340 | 245 | 240 | 182 | 220 | 270 | 35 | 280 | 520 | M6x16 | 31 | 515 | 54 | 225 | 203 | 215 | 45 | 156 | 14 | 10 |
| K 401/2 R4A | 80A2 | 370 | 325 | 315 | 182 | 300 | 350 | 35 | 355 | 670 | M6x16 | 31 | 675 | 54 | 225 | 203 | 225 | 45 | 166 | 14 | 10 |
| K 451/2 R4A | 80B2 | 370 | 325 | 315 | 182 | 300 | 350 | 35 | 355 | 670 | M6x16 | 31 | 675 | 54 | 225 | 203 | 225 | 45 | 166 | 14 | 10 |
| K 501/2 R4A | 90S2 | 390 | 325 | 315 | 182 | 300 | 350 | 35 | 355 | 670 | M6x16 | 31 | 675 | 54 | 260 | 204 | 260 | 60 | 183 | 17 | 10 |
| K 561/2 R4A | 90L2 | 410 | 375 | 375 | 182 | 355 | 405 | 35 | 425 | 800 | M6x16 | 32 | 780 | 54 | 260 | 234 | 260 | 60 | 183 | 17 | 10 |
| K 631/2 R4A | 100M2 | 440 | 375 | 375 | 182 | 355 | 405 | 35 | 425 | 800 | M6x16 | 32 | 780 | 54 | 324 | 289 | 295 | 23 | 249 | 23 | 12 |
| K 632/2 R4A | 90L2 | 410 | 375 | 375 | 182 | 355 | 405 | 35 | 425 | 800 | M6x16 | 32 | 780 | 54 | 260 | 234 | 260 | 60 | 183 | 17 | 10 |
| K 711/2 R4A | 132SA2 | 570 | 425 | 425 | 200 | 400 | 455 | 41 | 475 | 900 | M6x16 | 38 | 880 | 66 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| K 712/2 R4A | 112M2 | 500 | 425 | 425 | 200 | 400 | 455 | 41 | 475 | 900 | M6x16 | 38 | 880 | 66 | 324 | 289 | 310 | 23 | 264 | 23 | 12 |
| K 801/2 R4A | 132MB2 | 600 | 475 | 480 | 200 | 450 | 505 | 41 | 530 | 1010 | M6x16 | 38 | 980 | 66 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| K 802/2 R4A | 132SB2 | 600 | 475 | 480 | 200 | 450 | 505 | 41 | 530 | 1010 | M6x16 | 38 | 980 | 66 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| K 901/2 R4A | 160M2 | 710 | 550 | 535 | 219 | 500 | 570 | 50 | 600 | 1135 | M6x16 | 47 | 1120 | 83 | 440 | 395 | 470 | 28 | 414 | 28 | 14 |
| K 902/2 R4A | 160MR2 | 710 | 550 | 535 | 219 | 500 | 570 | 50 | 600 | 1135 | M6x16 | 47 | 1120 | 83 | 440 | 395 | 470 | 28 | 414 | 28 | 14 |

* Según tamaño motor

## DIMENSIONES (mm)




Brida aspiración

| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 311 ÷ 631 | 140 | 182 | 144 | 214 | 8 | 4 |
| 711 ÷ 801 | 160 | 200 | 164 | 234 | 8 | 4 |
| 901 | 180 | 219 | 184 | 254 | 8 | 4 |

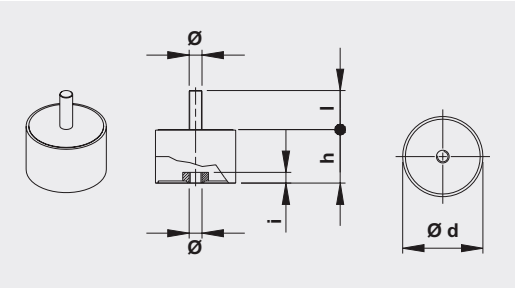
Brida descarga

| Modelo | Tipo brida | ØD6 | ØD4 | ØD5 | ØAF | Agujeros |
|---|---|---|---|---|---|---|
| 311 ÷ 631 | 50 | 54 | 84 | 104 | 8 | 4 |
| 711 ÷ 801 | 63 | 66 | 102 | 126 | 8 | 4 |
| 901 | 80 | 83 | 118 | 143 | 8 | 4 |

## AMORTIGUADORES

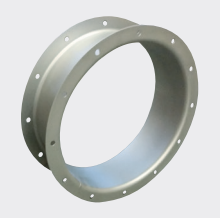
Amortiguadores recomendados

| Ventilador | Ejecución 4 |
|---|---|
| 311 | 4 x AM20 - 20x20 |
| 351 | 4 x AM20 - 20x20 |
| 401 | 4 x AM20 - 20x20 |
| 451 | 4 x AM20 - 20x20 |
| 501 | 4 x AM25 - 25x20 |
| 561 | 4 x AM25 - 25x20 |
| 631/2 | 4 x AM25 - 25x20 |
| 711/2 | 4 x AM30 - 30x30 |
| 801/2 | 4 x AM30 - 30x30 |
| 901/2 | 4 x AM40 - 40x30 |

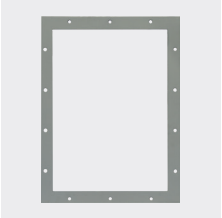



| Tipo | Carga para 4 soportes (kg) | d | h | Ø | l | Peso (kg) |
|---|---|---|---|---|---|---|
| AM 20 | 11÷40 | 20 | 20 | M6 | 15 | 0,02 |
| AM 25 | 41÷80 | 25 | 20 | M6 | 18 | 0,03 |
| AM 30 | 81÷140 | 30 | 30 | M8 | 20 | 0,05 |
| AM 40 | 141÷224 | 40 | 30 | M8 | 23 | 0,10 |

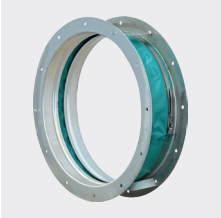
## ACCESORIOS



**CA (CFH1) - CFH2 - CFH3**
Contrabrida - Brida plana circular.



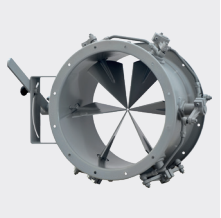
**CP**
Brida plana rectangular.



**GA**
Junta flexible aspiración.



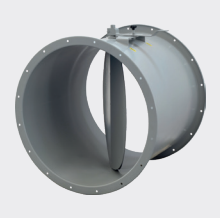
**GP**
Junta flexible descarga.



**DP**
Regulador de caudal de aspiración.



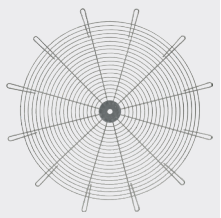
**SAD**
Compuerta de regulación de caudal de descarga.



**SF**
Vávula mariposa.



**DF**
Filtro en la aspiración.



**RC**
Rejilla de protección para la aspiración.



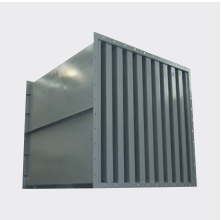
**AM/AZ**
Soportes antivibratorios.



**SCSO**
Silenciador cilíndrico.



**SCCO**
Silenciador cilíndrico con bulbo.



**SASS**
Silenciador rectangular.



**CI**
Cabina de insonorización.

Ver información completa en página **772**.

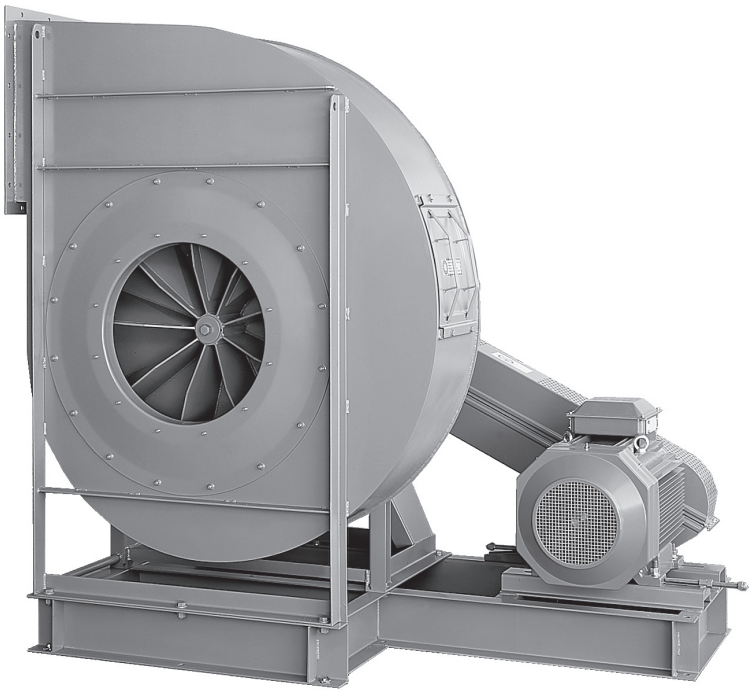
# K

## VENTILADORES CENTRÍFUGOS PARA TRANSPORTE DE MATERIA

*TRANSMISIÓN*



Ventilador centrífugo con accionamiento por poleas y correas y simple aspiración. Fabricados en chapa de acero protegida contra la corrosión mediante tratamiento por cataforesis + pintura poliuretana. Temperaturas del aire a transportar -20ºC/+100ºC en continuo.



APLICACIONES

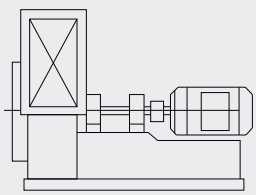
**Aire a transportar**
Transporte de material y neumático

**Cantidad de polvo (mg/m³)**
<50000



Rodete de álabes radiales

**SISTEMA 8:** acoplamiento mediante junta elástica.



Disponible bajo pedido

### Sistemas de montaje

- SISTEMA 1: eje libre, para acoplamiento mediante poleas y correas.
- SISTEMA 9: incluye motor, poleas, correas y protector de correas. Motor montado en el lateral del pie soporte rodamientos.
- SISTEMA 12: incluye motor, poleas, correas y protector de correas. Motor montado sobre la bancada general.

### Motores

De 2, 4 o 6 polos, de alta eficiencia IE 3* (las r.p.m. de cada motor se adaptarán al cálculo de cada transmisión), tensión de alimentación trifásica 230/400V 50Hz hasta tamaño motor 112 y 400/690V 50Hz para motores de mayor dimensión. Protección IP55, Clase F.

* Entre 75 y 200kW, los motores suministrados serán IE4.

### Bajo pedido

- Fabricación en diferentes materiales constructivos.
- Motores de 2 velocidades.
- Versiones de 60 Hz.
- Pintura en diferentes RAL.
- Versión para alta temperatura: hasta 300ºC (versiones B: con rodete de refrigeración).
- Purga de drenaje, distintos tipos de estanqueidad a nivel de voluta y de paso de eje.
- Ventiladores estancos.
- Calorifugado.

### Versiones ATEX

Bajo pedido, versiones antiexplosivas según la Directiva ATEX para modelos trifásicos: Para trabajar a temperaturas de -20ºC a +60ºC, presión ambiente (absoluta) de 0,8 bar hasta 1,1 bar, según EN 14986.

- Gas:
  Ex 3G IIB T2-T3-T4
  Ex 3G IIB+H2 T2-T3-T4
- Polvo no conductivo:
  Ex 3D IIIB T125°C-T135°C-T195°C-T295°C
- Polvo conductivo (con motor IP65 IIIC):
  Ex 3D IIIC T125°C-T135°C-T195°C-T295°C

## CARACTERÍSTICAS TÉCNICAS

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación.

| Modelo | Caudal máximo ($m^3/h$) | Potencia motor máxima (kW) | Peso (kg)[1] | Momento de inercia ($kg \cdot m^2$)[2] |
|---|---|---|---|---|
| K 351 R1A | 450 | 2,2 | 22 | 0,07 |
| K 401 R1A | 480 | 2,2 | - | 0,10 |
| K 451 R1A | 460 | 2,2 | - | 0,15 |
| K 501 R1A | 430 | 3,0 | 34 | 0,23 |
| K 631 R1A | 580 | 5,5 | 58 | 0,60 |
| K 711 R1A | 1.060 | 11,0 | 87 | 0,98 |
| K 801 R1A | 1.090 | 9,2 | 100 | 1,60 |
| K 901 R1A | 1.920 | 18,5 | 120 | 2,90 |

[1] Para ejecución 1 y orientación LG270 o RD270
[2] Momento de inercia del rodete

SOPORTES SISTEMA 1

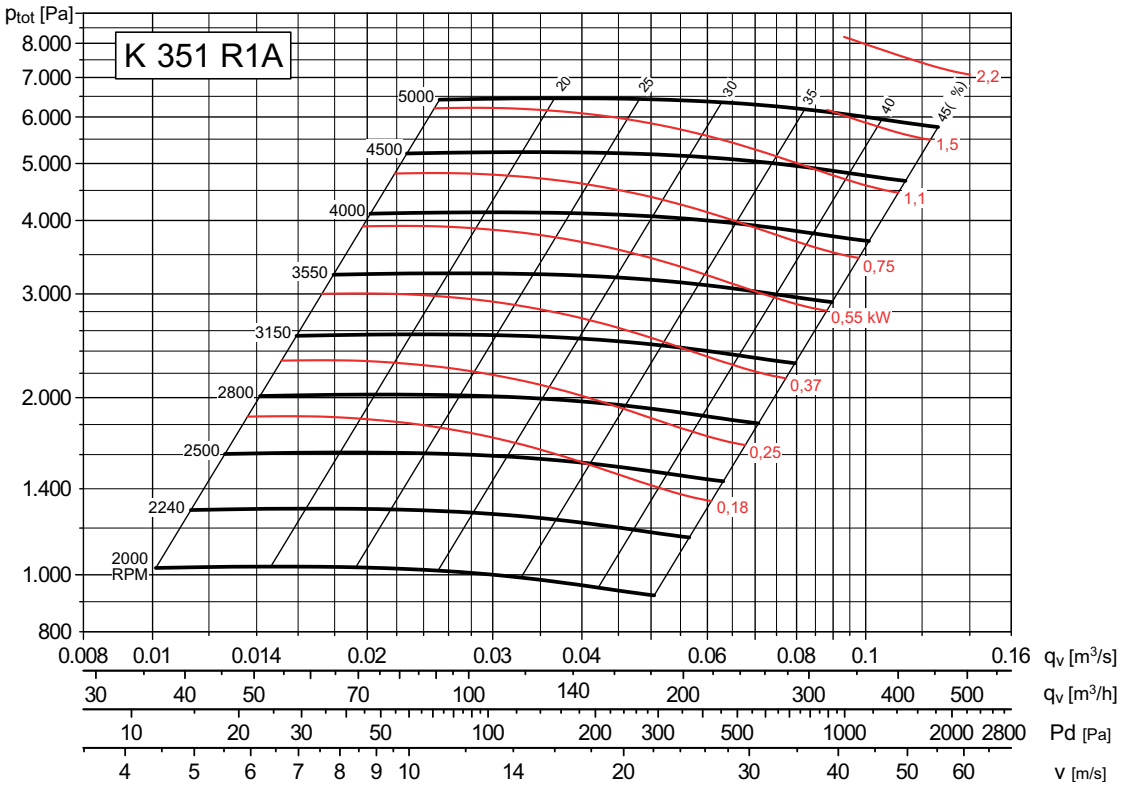
| Modelo | 351-501 | 631 | 711-801 | 901 |
|---|---|---|---|---|
| Soporte tipo | ST 47 S19 | ST 62 A24 | ST 80 A28 | ST 90 A38 |

MOTORES SISTEMA 9

| Modelo | 351-451 | 631 | 711-901 |
|---|---|---|---|
| Tamaño motor | ≤ 90 L2 | ≤ 112 M2 | ≤ 132 MB2 |

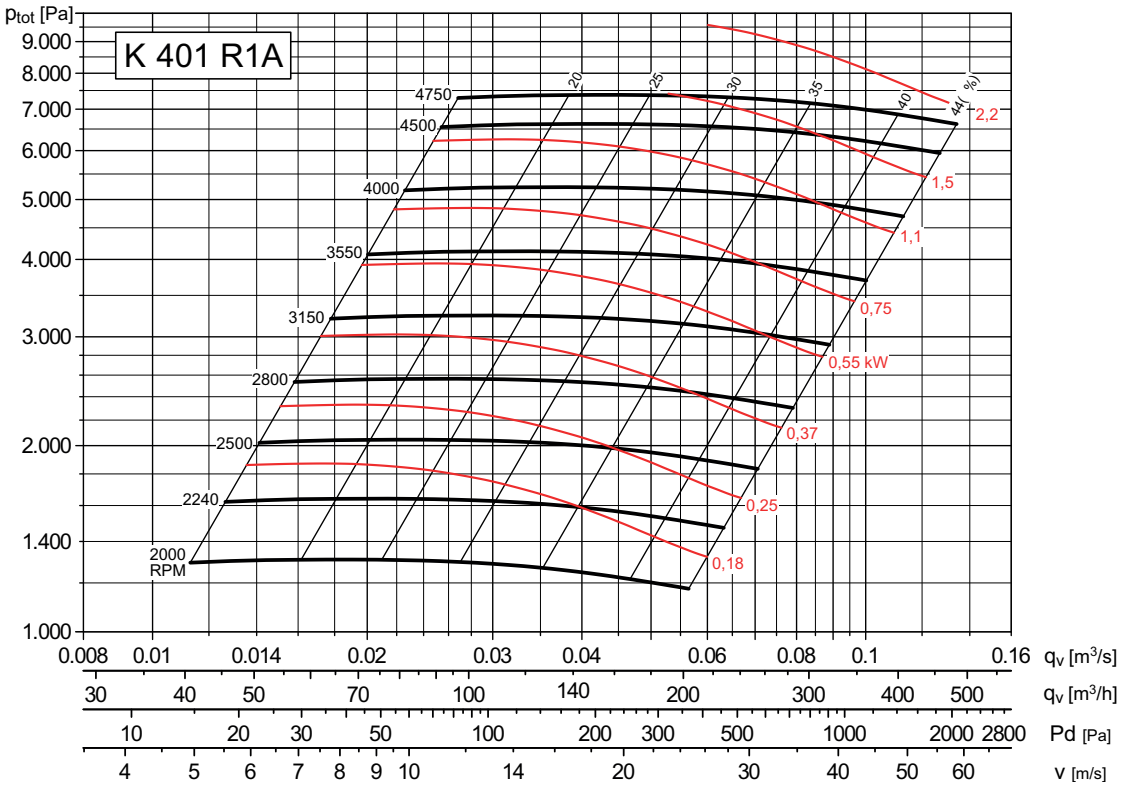
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 5000 rpm
101 ÷ 220°C = 4500 rpm

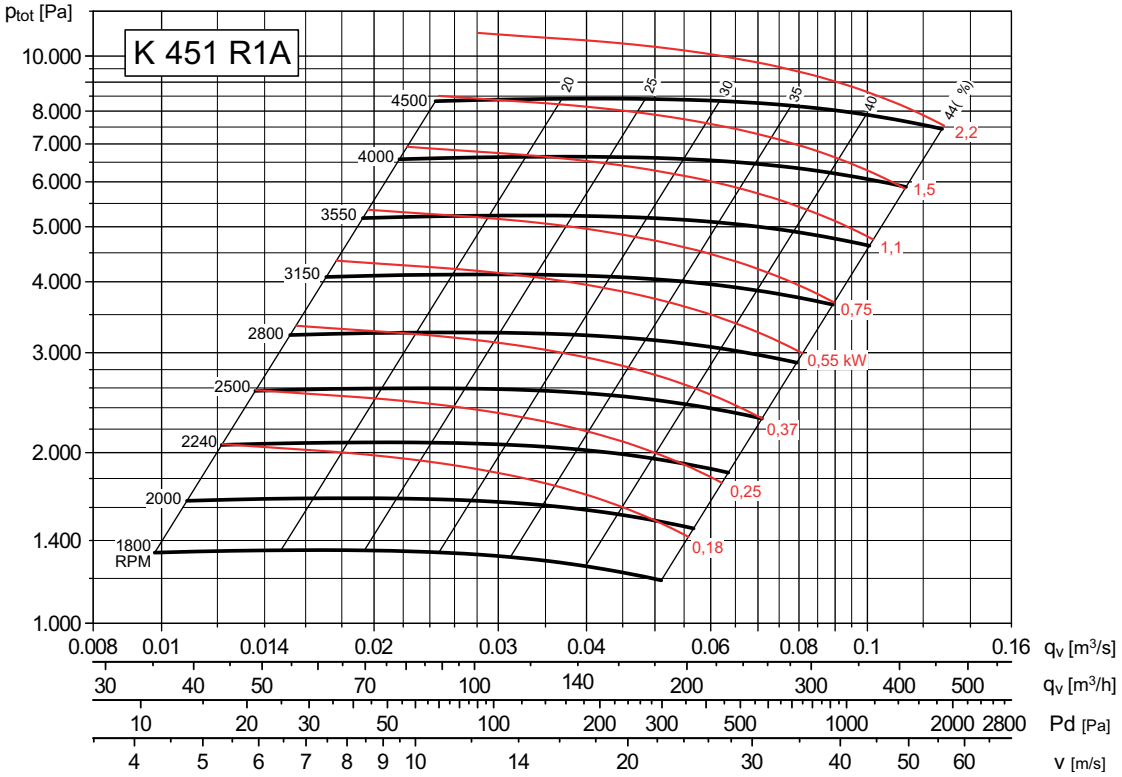



MAX. RPM

≤ 100°C = 4750 rpm
101 ÷ 220°C = 4250 rpm

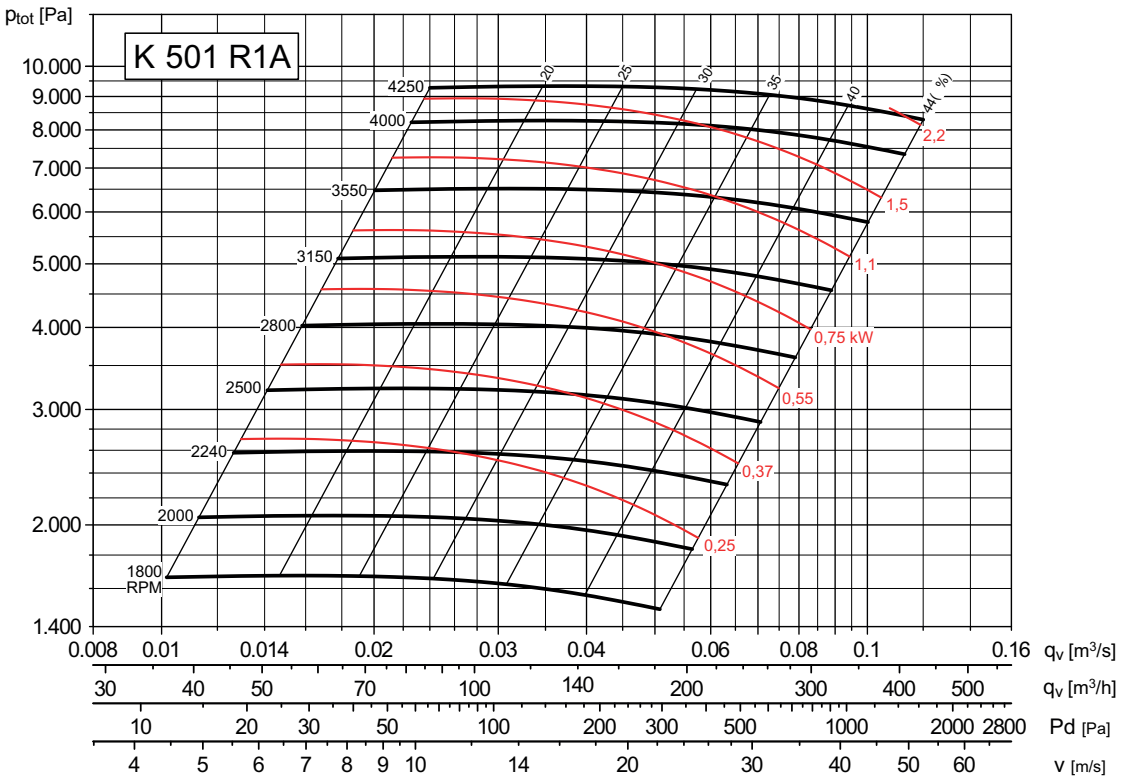
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 4500 rpm
101 ÷ 220°C = 4000 rpm

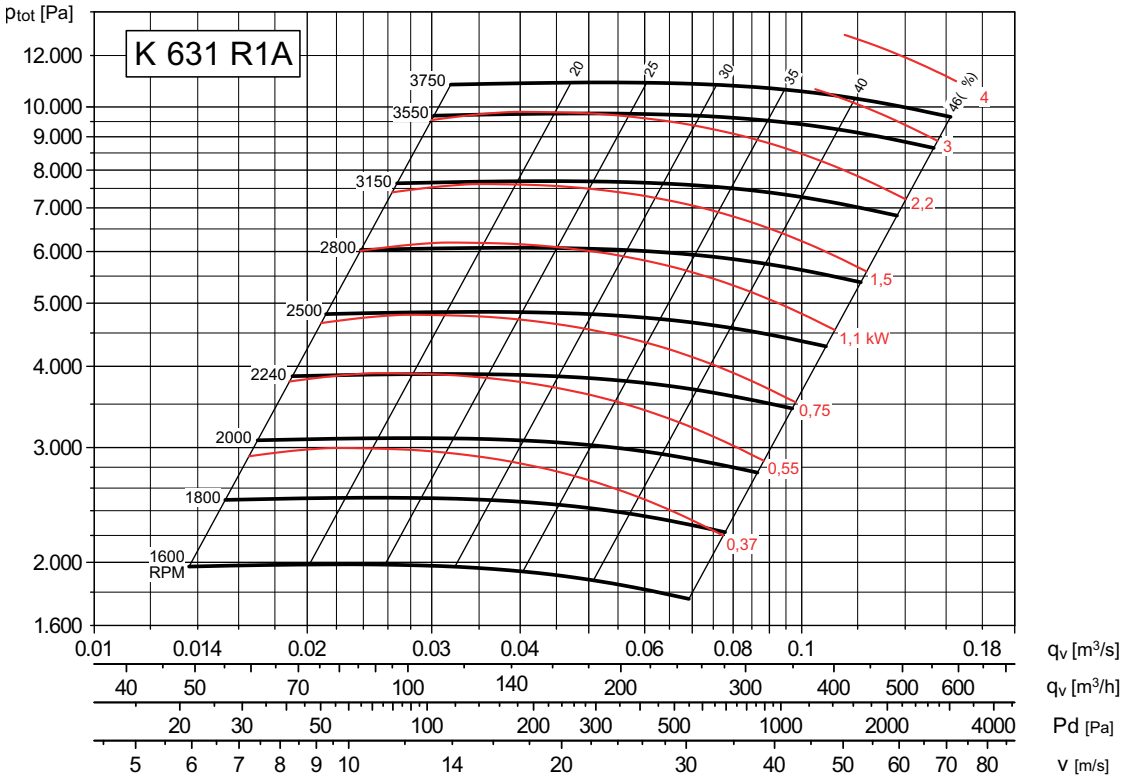



MAX. RPM

≤ 100°C = 4250 rpm
101 ÷ 220°C = 3750 rpm

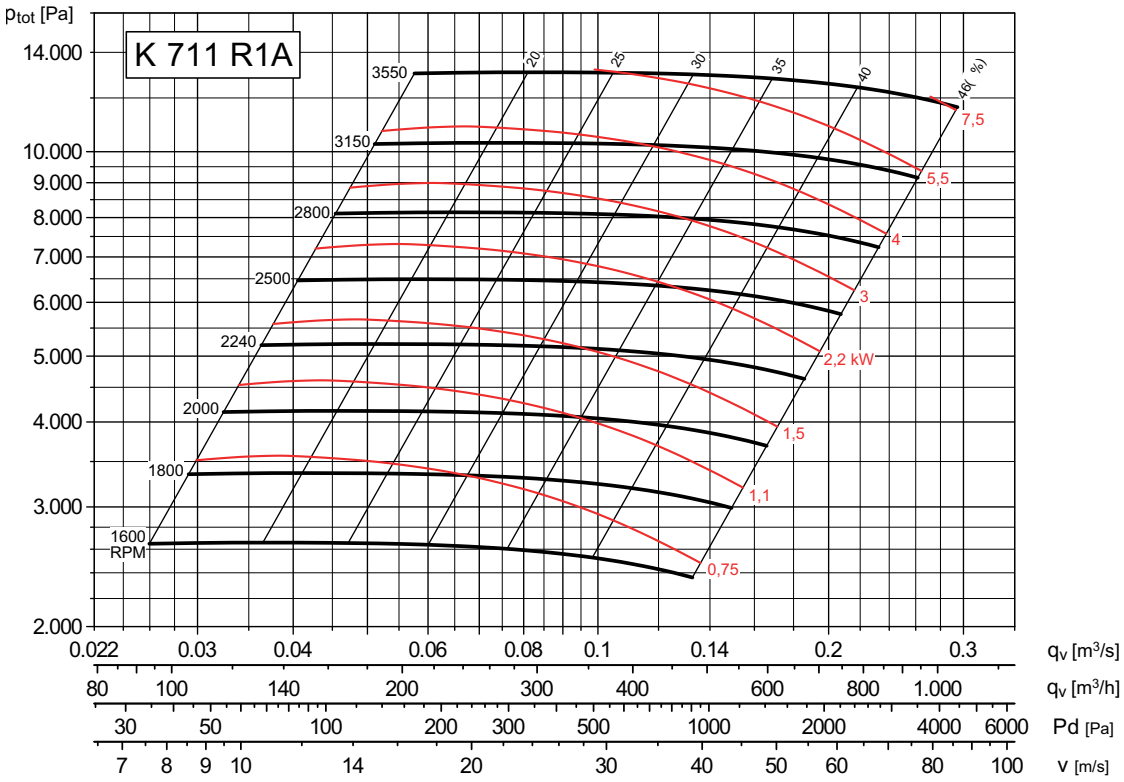
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 3750 rpm
101 ÷ 220°C = 3350 rpm

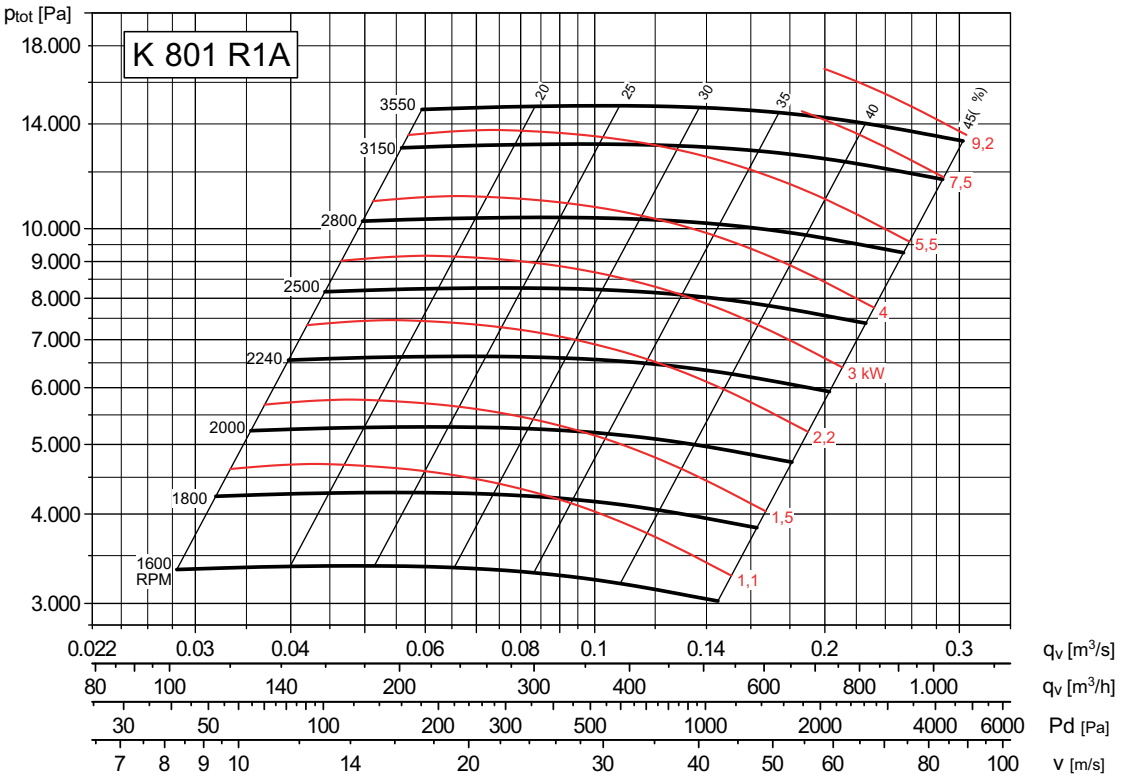



MAX. RPM

≤ 100°C = 3550 rpm
101 ÷ 220°C = 3150 rpm

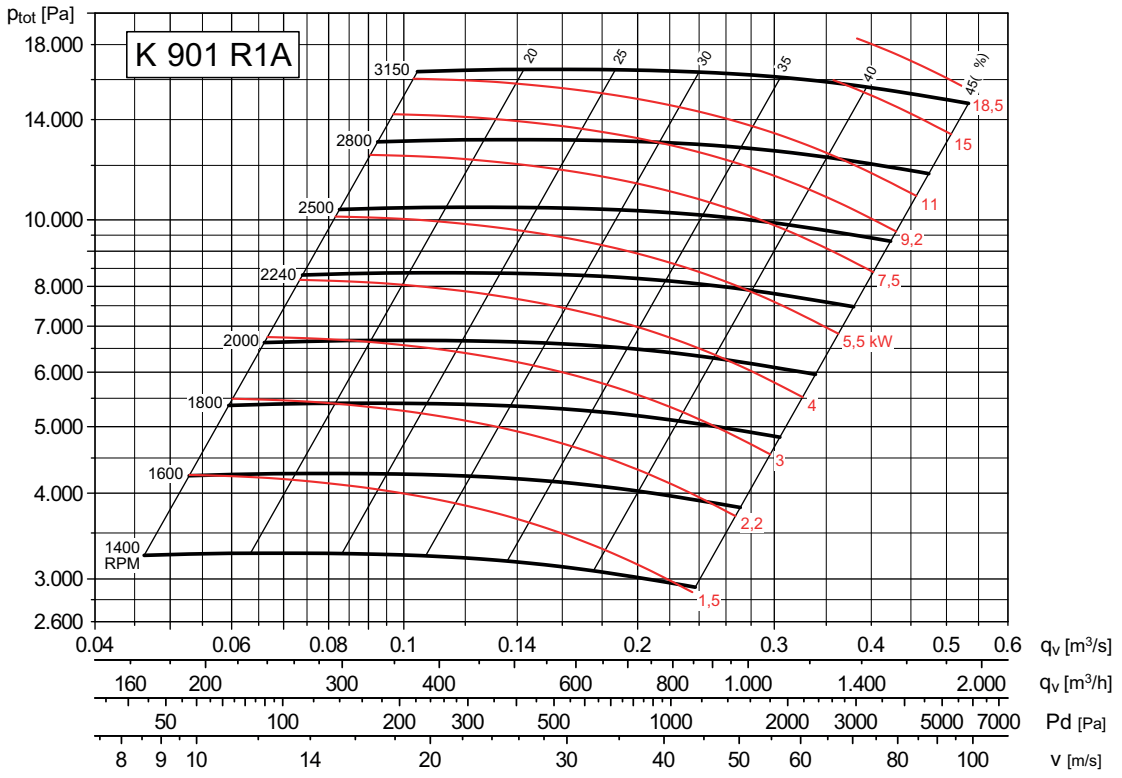
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

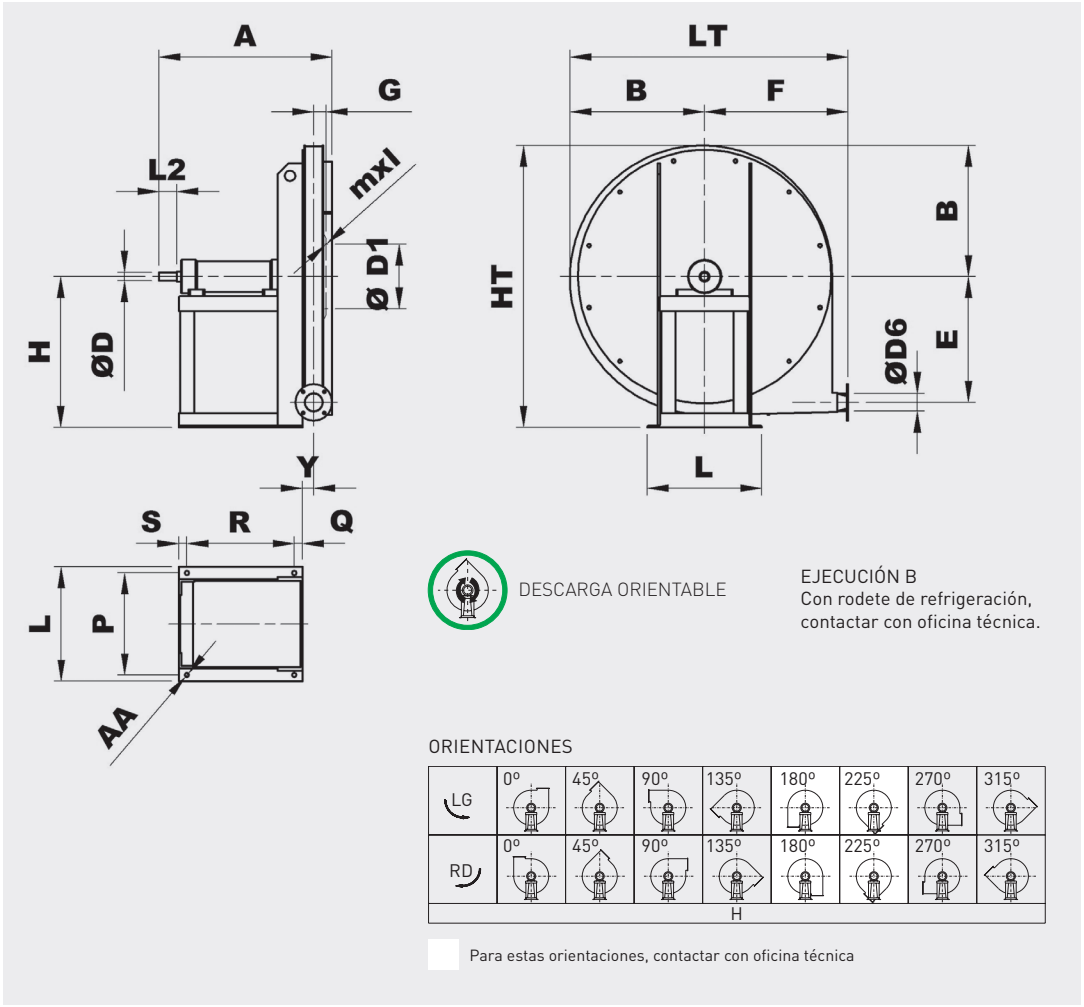
≤ 100°C = 3350 rpm
101 ÷ 220°C = 3000 rpm



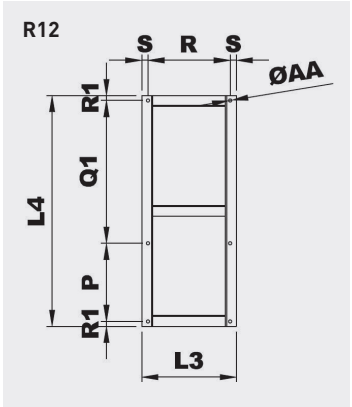

MAX. RPM

≤ 100°C = 3150 rpm
101 ÷ 220°C = 2800 rpm

## DIMENSIONES (mm)




| Modelo | A | B | C | ØD1 | E | F | G | H | HT | mxl | Y | LT | ØD6 | Eje L2 | Eje ØD | Base L | Base P | Base Q | Base R | Base S | Base ØAA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| K 351 R1A | 410 | 245 | 240 | 182 | 220 | 270 | 35 | 280 | 520 | M6x16 | 31 | 515 | 54 | 40 | 19 | 255 | 228 | 17 | 241 | 17 | 10 |
| K 501 R1A | 410 | 325 | 230 | 182 | 300 | 350 | 35 | 355 | 670 | M6x16 | 31 | 675 | 54 | 40 | 19 | 255 | 228 | 17 | 241 | 17 | 10 |
| K 631 R1A | 490 | 375 | 375 | 182 | 355 | 405 | 35 | 425 | 800 | M6x16 | 32 | 780 | 54 | 50 | 24 | 324 | 288 | 23 | 303 | 23 | 12 |
| K 711 R1A | 665 | 425 | 425 | 200 | 400 | 455 | 41 | 475 | 900 | M6x16 | 38 | 880 | 66 | 60 | 28 | 400 | 355 | 28 | 429 | 28 | 14 |
| K 801 R1A | 665 | 475 | 480 | 200 | 450 | 505 | 41 | 530 | 1010 | M6x16 | 38 | 980 | 66 | 60 | 28 | 400 | 355 | 28 | 429 | 28 | 14 |
| K 901 R1A | 720 | 550 | 535 | 219 | 500 | 570 | 50 | 600 | 1135 | M6x16 | 47 | 1120 | 83 | 80 | 38 | 400 | 355 | 28 | 444 | 28 | 14 |

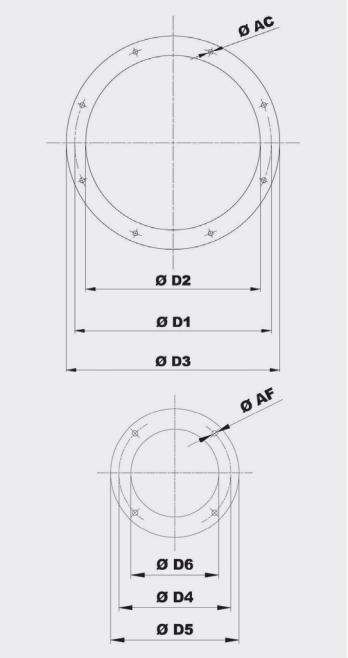



Bancada ejecución 12

| Modelo | P | L3 | L4 | Q1 | R | R1 | S | ØAA | Peso (kg) |
|---|---|---|---|---|---|---|---|---|---|
| 351 R12A | 228 | 275 | 750 | 495 | 241 | 13,5 | 17 | 10 | 10 |
| 501 R12A | 228 | 275 | 750 | 495 | 241 | 13,5 | 17 | 10 | 10 |
| 631 R12A | 288 | 349 | 850 | 526 | 303 | 18 | 23 | 12 | 14 |
| 711 R12A | 355 | 485 | 1000 | 600 | 429 | 22,5 | 28 | 14 | 20 |
| 801 R12A | 355 | 485 | 1000* | 600* | 429 | 22,5 | 28 | 14 | 20 |
| 901 R12A | 355 | 500 | 1180 | 780 | 444 | 22,5 | 28 | 14 | 23 |

* Para motores de talla 160, esta cota aumenta en 100 mm

## DIMENSIONES (mm)




Brida aspiración

| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 311 ÷ 631 | 140 | 182 | 144 | 214 | 8 | 4 |
| 711 ÷ 801 | 160 | 200 | 164 | 234 | 8 | 4 |
| 901 | 180 | 219 | 184 | 254 | 8 | 4 |

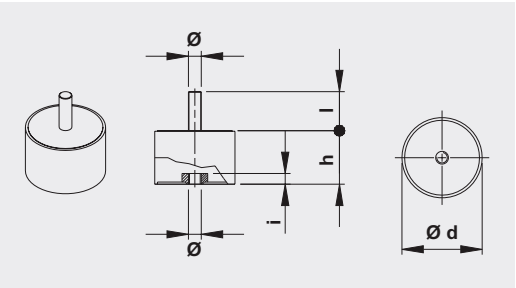
Brida descarga

| Modelo | Tipo brida | ØD6 | ØD4 | ØD5 | ØAF | Agujeros |
|---|---|---|---|---|---|---|
| 311 ÷ 631 | 50 | 54 | 84 | 104 | 8 | 4 |
| 711 ÷ 801 | 63 | 66 | 102 | 126 | 8 | 4 |
| 901 | 80 | 83 | 118 | 143 | 8 | 4 |

## AMORTIGUADORES

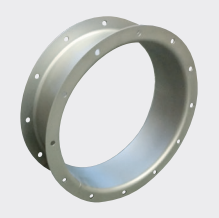
Amortiguadores recomendados

| Ventilador | Ejecución 9 | Ejecución 12 |
|---|---|---|
| 311 | 4 x AM 20 - 20x20 | 4 x AM 25 - 25x20 |
| 351 | 4 x AM 20 - 20x20 | 4 x AM 25 - 25x20 |
| 401 | 4 x AM 25 - 25x20 | 4 x AM 30 - 30x30 |
| 451 | 4 x AM 25 - 25x20 | 4 x AM 30 - 30x30 |
| 501 | 4 x AM 25 - 25x20 | 4 x AM 30 - 30x30 |
| 561 | 4 x AM 30 - 30x30 | 4 x AM 30 - 30x30 |
| 631/2 | 4 x AM 30 - 30x30 | 4 x AM 30 - 30x30 |
| 711/2 | 4 x AM 40 - 40x30 | 4 x AM 40 - 40x30 |
| 801/2 | 4 x AM 40 - 40x30 | 4 x AM 40 - 40x30 |
| 901/2 | 4 x AM 50 - 50x40 | 4 x AM 50 - 50x40 |

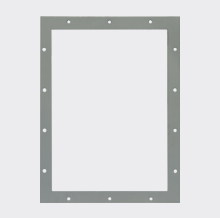



| Tipo | Carga para 4 soportes (kg) | d | h | Ø | l | Peso (kg) |
|---|---|---|---|---|---|---|
| AM 20 | 11÷40 | 20 | 20 | M6 | 15 | 0,02 |
| AM 25 | 41÷80 | 25 | 20 | M6 | 18 | 0,03 |
| AM 30 | 81÷140 | 30 | 30 | M8 | 20 | 0,05 |
| AM 40 | 141÷224 | 40 | 30 | M8 | 23 | 0,10 |
| AM 50 | 225÷315 | 50 | 40 | M10 | 28 | 0,20 |

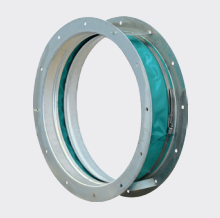
## ACCESORIOS



**CA (CFH1) - CFH2 - CFH3**
Contrabrida - Brida plana circular.



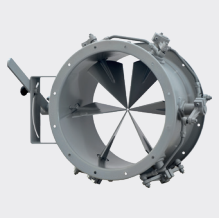
**CP**
Brida plana rectangular.



**GA**
Junta flexible aspiración.



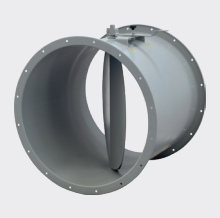
**GP**
Junta flexible descarga.



**DP**
Regulador de caudal de aspiración.



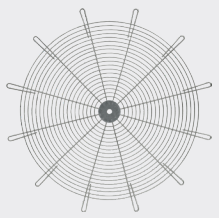
**SAD**
Compuerta de regulación de caudal de descarga.



**SF**
Vávula mariposa.



**DF**
Filtro en la aspiración.



**RC**
Rejilla de protección para la aspiración.



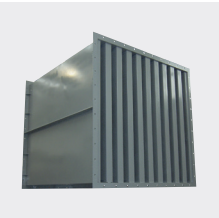
**AM/AZ**
Soportes antivibratorios.



**SCSO**
Silenciador cilíndrico.



**SCCO**
Silenciador cilíndrico con bulbo.



**SASS**
Silenciador rectangular.



**CI**
Cabina de insonorización.

Ver información completa en página **772**.

# KA

## VENTILADORES CENTRÍFUGOS PARA TRANSPORTE DE MATERIA

*ACOPLAMIENTO DIRECTO*



Ventilador centrífugo de acoplamiento directo y simple aspiración. Fabricados en chapa de acero protegida contra la corrosión mediante tratamiento por cataforesis + pintura poliuretana. Temperaturas del aire a transportar -20ºC/+100ºC en continuo.



APLICACIONES

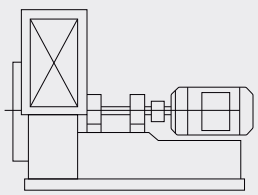
**Aire a transportar**
Transporte de material y neumático

**Cantidad de polvo (mg/m$^3$)**
<50000



Rodete de álabes curvados hacia adelante para transporte de material

**SISTEMA 8:** acoplamiento mediante junta elástica.



Disponible bajo pedido

**Motores**
De 2 o 4 polos, de alta eficiencia IE 3*, tensión de alimentación trifásica 230/400V 50Hz hasta tamaño motor 112 y 400/690V 50Hz para motores de mayor dimensión.
Protección IP55, Clase F.

* Entre 75 y 200kW, los motores suministrados serán IE4.

**Bajo pedido**
- Fabricación en diferentes materiales constructivos.
- Motores de 2 velocidades.
- Versiones de 60 Hz.
- Pintura en diferentes RAL.
- Versión sin pie soporte (Motor-Brida, Sistema 5), hasta tamaño de motor 160.
- Versión para alta temperatura: hasta 220ºC (versiones B: con rodete de refrigeración).
- SISTEMA 8: acoplamiento mediante junta elástica.
- Trampilla de inspección, purga de drenaje, distintos tipos de estanqueidad a nivel de voluta y de paso de eje.
- Ventiladores estancos.
- Calorifugado.

**Versiones ATEX**
Bajo pedido, versiones antiexplosivas según la Directiva ATEX para modelos trifásicos: Para trabajar a temperaturas de -20ºC a +60ºC, presión ambiente (absoluta) de 0,8 bar hasta 1,1 bar, según EN 14986.
- Gas:
  - Ex 3G IIB T2-T3-T4
  - Ex 3G IIB+H2 T2-T3-T4
- Polvo no conductivo:
  - Ex 2D* IIIB T125°C-T135°C-T195°C-T295°C
  - Ex 3D IIIB T125°C-T135°C-T195°C-T295°C
- Polvo conductivo (con motor IP65 IIIC):
  - Ex 2D* IIIC T125°C-T135°C-T195°C-T295°C
  - Ex 3D IIIC T125°C-T135°C-T195°C-T295°C

*Solo para aplicaciones de transporte de pelusas.

## CARACTERÍSTICAS TÉCNICAS

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación

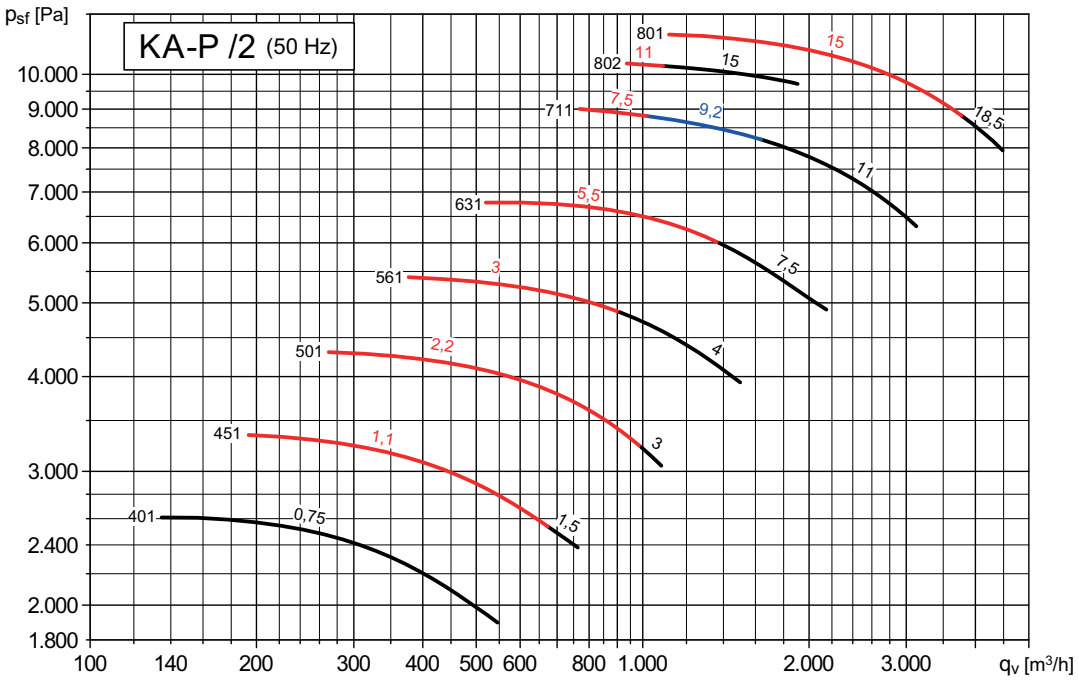
| Modelo | Tamaño motor | Velocidad (r.p.m.) | Potencia motor (kW) | Intensidad motor 400V (A) | Caudal máximo ($m^3/h$) | Nivel presión sonora a 1 m (dB(A))[1] | Peso (kg)[2] | Momento de inercia ($kg \cdot m^2$)[3] |
|---|---|---|---|---|---|---|---|---|
| 2 POLOS | | | | | | | | |
| KA 401/2 P4A | 80A2 | 2830 | 0,75 | 1,59 | 550 | 75 | 33 | 0,09 |
| KA 451/2 P4A | 80B2 | 2840 | 1,10 | 2,33 | 640 | 78 | 38 | 0,18 |
| KA 451/2 P4A | 90S2 | 2840 | 1,50 | 3,07 | 760 | 79 | 42 | 0,18 |
| KA 501/2 P4A | 90L2 | 2850 | 2,20 | 4,43 | 950 | 82 | 60 | 0,25 |
| KA 501/2 P4A | 100LA2 | 2900 | 3,00 | 5,77 | 1.080 | 82 | 67 | 0,25 |
| KA 561/2 P4A | 100LA2 | 2900 | 3,00 | 5,77 | 970 | 86 | 82 | 0,43 |
| KA 561/2 P4A | 112M2 | 2910 | 4,00 | 7,50 | 1.500 | 86 | 87 | 0,43 |
| KA 631/2 P4A | 132SA2 | 2890 | 5,50 | 10,10 | 1.380 | 90 | 124 | 0,85 |
| KA 631/2 P4A | 132SB2 | 2890 | 7,50 | 13,90 | 2.150 | 90 | 130 | 0,85 |
| KA 711/2 P4A | 132SB2 | 2890 | 7,50 | 13,90 | 1.020 | 93 | 150 | 1,38 |
| KA 711/2 P4A | 132MB2 | 2900 | 9,20 | 16,60 | 1.640 | 93 | 165 | 1,38 |
| KA 711/2 P4A | 160MR2 | 2930 | 11,00 | 18,70 | 3.130 | 93 | 188 | 1,38 |
| KA 802/2 P4A | 160MR2 | 2930 | 11,00 | 18,70 | 1.140 | 95 | 248 | 2,00 |
| KA 802/2 P4A | 160M2 | 2930 | 15,00 | 25,40 | 2.000 | 96 | 251 | 2,00 |
| KA 801/2 P4A | 160M2 | 2935 | 15,00 | 25,40 | 2.180 | 96 | 251 | 2,50 |
| KA 801/2 P4A | 160L2 | 2935 | 18,50 | 33,30 | 4.490 | 96 | 285 | 2,50 |
| 4 POLOS | | | | | | | | |
| KA 802/4 P4A | 100LB4 | 1425 | 3,00 | 6,15 | 930 | 77 | 171 | 2,00 |
| KA 801/4 P4A | 112M4 | 1430 | 4,00 | 8,20 | 2.190 | 78 | 180 | 2,50 |
| KA 902/4 P4A | 132SA4 | 1440 | 5,50 | 10,30 | 3.060 | 80 | 269 | 3,20 |
| KA 901/4 P4A | 132MA4 | 1450 | 7,50 | 13,90 | 3.160 | 81 | 297 | 4,20 |
| KA 1002/4 P4A | 132MB4 | 1460 | 9,20 | 17,40 | 4.250 | 84 | 372 | 5,80 |
| KA 1001/4 P4A | 160M4 | 1450 | 11,00 | 20,70 | 4.300 | 86 | 460 | 6,80 |

1 Entubado en la descarga
Tolerancia del nivel de ruido de +3 dB/A, medido en el punto de máxima eficiencia
2 Con motor incluido y para orientación LG270 o RD270
3 Momento de inercia del rodete

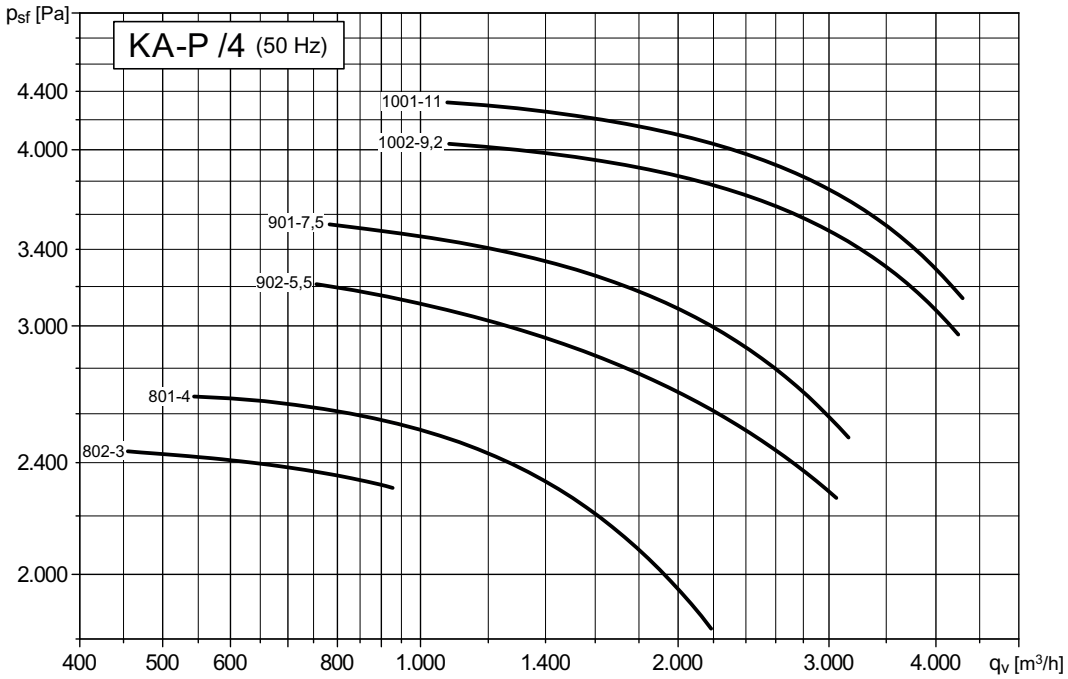
## CURVAS CARACTERÍSTICAS (a la descarga)

- Ventiladores ensayados con la aspiración y la descarga entubadas
- **Psf: Presión estática en Pa**
- Modelo - Potencia motor en kW
- Ejemplo: 711 - 7,5, 9,2 o 11
  Modelo - kW

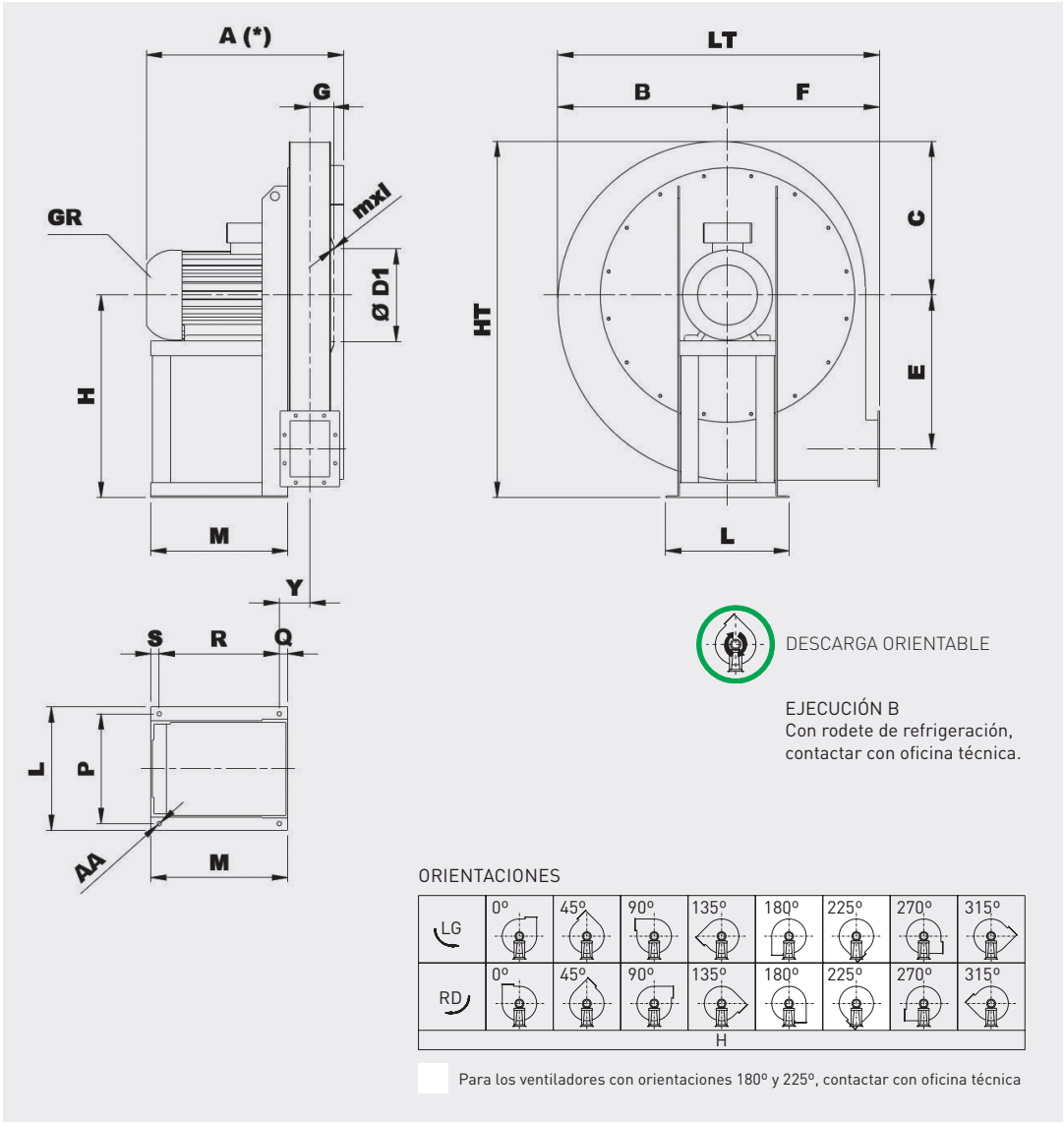
2 polos - Modelos desde 401 hasta 801




4 polos - Modelos desde 801 hasta 1001



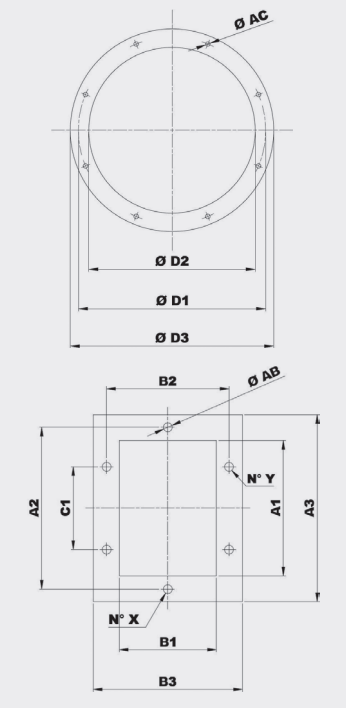
## DIMENSIONES (mm)




| Modelo | | | | | | | | | | | | | | Base | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Motor GR | A* | B | C | ØD1 | E | F | G | H | HT | mxl | Y | LT | L | P | M | Q | R | S | ØAA |
| KA 401/2 P4A | 80B2 | 350 | 310 | 285 | 165 | 273 | 280 | 40 | 375 | 660 | M6x20 | 82 | 590 | 225 | 203 | 225 | 45 | 166 | 14 | 10 |
| KA 401/2 P4A | 80A2 | 350 | 310 | 285 | 165 | 273 | 280 | 40 | 375 | 660 | M6x20 | 82 | 590 | 225 | 203 | 225 | 45 | 166 | 14 | 10 |
| KA 451/2 P4A | 90S2 | 375 | 345 | 315 | 182 | 305 | 300 | 44 | 400 | 715 | M6x20 | 102 | 645 | 260 | 234 | 260 | 60 | 183 | 17 | 10 |
| KA 451/2 P4A | 80B2 | 360 | 345 | 315 | 182 | 305 | 300 | 44 | 400 | 715 | M6x20 | 87 | 645 | 225 | 203 | 225 | 45 | 166 | 14 | 10 |
| KA 501/2 P4A | 100LA2 | 445 | 380 | 350 | 200 | 342 | 335 | 50 | 450 | 800 | M6x20 | 70 | 715 | 324 | 289 | 295 | 23 | 249 | 23 | 12 |
| KA 501/2 P4A | 90L2 | 410 | 380 | 350 | 200 | 342 | 335 | 50 | 450 | 800 | M6x20 | 107 | 715 | 260 | 234 | 260 | 60 | 183 | 17 | 10 |
| KA 561/2 P4A | 100LA2 | 455 | 430 | 390 | 219 | 387 | 375 | 55 | 500 | 890 | M6x20 | 75 | 805 | 324 | 289 | 295 | 23 | 249 | 23 | 12 |
| KA 561/2 P4A | 112M2 | 495 | 430 | 390 | 219 | 387 | 375 | 55 | 500 | 890 | M6x20 | 75 | 805 | 324 | 289 | 310 | 23 | 264 | 23 | 12 |
| KA 631/2 P4A | 132SA2 | 540 | 485 | 440 | 241 | 436 | 425 | 60 | 560 | 1000 | M6x20 | 81 | 910 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| KA 631/2 P4A | 132SB2 | 540 | 485 | 440 | 241 | 436 | 425 | 60 | 560 | 1000 | M6x20 | 81 | 910 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| KA 711/2 P4A | 132MB2 | 615 | 540 | 490 | 265 | 488 | 475 | 68 | 630 | 1120 | M6x20 | 87 | 1015 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| KA 711/2 P4A | 132SB2 | 575 | 540 | 490 | 265 | 488 | 475 | 68 | 630 | 1120 | M6x20 | 87 | 1015 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| KA 711/2 P4A | 160MR2 | 700 | 540 | 490 | 265 | 488 | 475 | 68 | 630 | 1120 | M6x20 | 92 | 1015 | 440 | 395 | 470 | 28 | 414 | 28 | 14 |
| KA 801/2 P4A | 160L2 | 715 | 610 | 550 | 292 | 551 | 530 | 75 | 710 | 1260 | M8x25 | 99 | 1140 | 440 | 395 | 470 | 28 | 414 | 28 | 14 |
| KA 801/2 P4A | 160M2 | 715 | 610 | 550 | 292 | 551 | 530 | 75 | 710 | 1260 | M8x25 | 99 | 1140 | 440 | 395 | 470 | 28 | 414 | 28 | 14 |
| KA 801/4 P4A | 112M4 | 530 | 610 | 550 | 292 | 551 | 530 | 75 | 710 | 1260 | M8x25 | 94 | 1140 | 324 | 289 | 310 | 23 | 264 | 23 | 12 |
| KA 802/2 P4A | 160MR2 | 715 | 610 | 550 | 292 | 551 | 530 | 75 | 710 | 1260 | M8x25 | 99 | 1140 | 440 | 395 | 470 | 28 | 414 | 28 | 14 |
| KA 802/4 P4A | 100LB4 | 530 | 610 | 550 | 292 | 551 | 530 | 75 | 710 | 1260 | M8x25 | 94 | 1140 | 324 | 289 | 295 | 23 | 249 | 23 | 12 |
| KA 901/4 P4A | 132MA4 | 650 | 685 | 610 | 332 | 620 | 600 | 81 | 800 | 1420 | M8x25 | 106 | 1285 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |

* Según tamaño motor

## DIMENSIONES (mm)




Brida aspiración

| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 401 | 125 | 129 | 165 | 189 | 8 | 4 |
| 451 | 140 | 144 | 182 | 214 | 8 | 8 |
| 501 | 160 | 164 | 200 | 234 | 8 | 8 |
| 561 | 180 | 184 | 219 | 254 | 8 | 8 |
| 631 | 200 | 204 | 241 | 274 | 8 | 8 |
| 711 | 224 | 228 | 265 | 298 | 8 | 8 |
| 801 | 250 | 254 | 292 | 324 | 10 | 8 |
| 901 | 280 | 285 | 332 | 365 | 10 | 8 |
| 1001 | 315 | 320 | 366 | 400 | 10 | 8 |

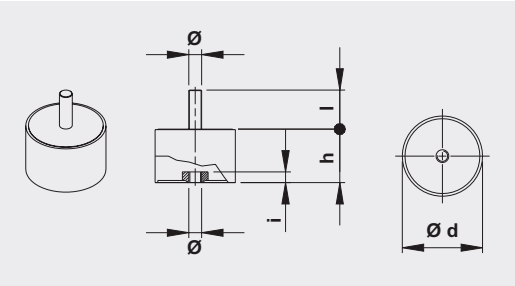
Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 401 | 90x63 | 95 | 68 | 129 | 102 | 145 | 118 | - | 10 | 1+1 | 1+1 |
| 451 | 100x71 | 105 | 76 | 139 | 110 | 165 | 136 | - | 10 | 1+1 | 1+1 |
| 501 | 112x80 | 117 | 85 | 151 | 119 | 177 | 145 | - | 10 | 1+1 | 1+1 |
| 561 | 125x90 | 131 | 95 | 165 | 129 | 191 | 155 | 100 | 10 | 1+1 | 2+2 |
| 631 | 140x100 | 146 | 105 | 182 | 139 | 216 | 175 | 112 | 12 | 1+1 | 2+2 |
| 711 | 160x112 | 164 | 117 | 200 | 151 | 234 | 187 | 112 | 12 | 1+1 | 2+2 |
| 801 | 180x125 | 183 | 131 | 219 | 165 | 253 | 201 | 112 | 12 | 1+1 | 2+2 |
| 901 | 200x140 | 205 | 146 | 241 | 182 | 275 | 216 | 112 | 12 | 2+2 | 2+2 |
| 1001 | 224x160 | 229 | 164 | 265 | 200 | 299 | 234 | 112 | 12 | 2+2 | 2+2 |

## AMORTIGUADORES

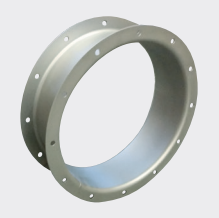
Amortiguadores recomendados

| Ventilador | Ejecución 4 |
|---|---|
| 401 | 4 x AM 20 - 20x20 |
| 451 | 4 x AM 20 - 20x20 |
| 501 | 4 x AM 25 - 25x20 |
| 561 | 4 x AM 30 - 30x30 |
| 631 | 4 x AM 30 - 30x30 |
| 711 | 4 x AM 40 - 40x30 |
| 801 | 4 x AM 50 - 50x40 |
| 901 | 4 x AM 50 - 50x40 |
| 1001 | 4 x AM 75 - 75x50 |

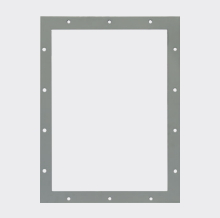



| Tipo | Carga para 4 soportes (kg) | d | h | Ø | l | Peso (kg) |
|---|---|---|---|---|---|---|
| AM 20 | 11÷40 | 20 | 20 | M6 | 15 | 0,02 |
| AM 25 | 41÷80 | 25 | 20 | M6 | 18 | 0,03 |
| AM 30 | 81÷140 | 30 | 30 | M8 | 20 | 0,05 |
| AM 40 | 141÷224 | 40 | 30 | M8 | 23 | 0,10 |
| AM 50 | 225÷315 | 50 | 40 | M10 | 28 | 0,20 |
| AM 75 | 316÷630 | 75 | 50 | M12 | 37 | 0,50 |

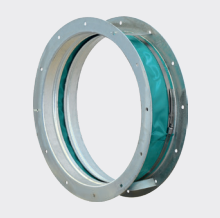
## ACCESORIOS



**CA (CFH1) - CFH2 - CFH3**
Contrabrida - Brida plana circular.



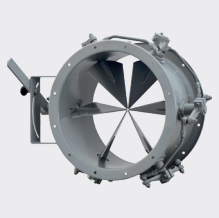
**CP**
Brida plana rectangular.



**GA**
Junta flexible aspiración.



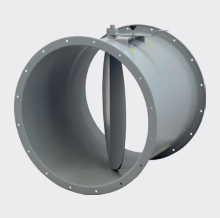
**GP**
Junta flexible descarga.



**DP**
Regulador de caudal de aspiración.



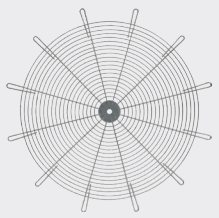
**SAD**
Compuerta de regulación de caudal de descarga.



**SF**
Vávula mariposa.



**DF**
Filtro en la aspiración.



**RC**
Rejilla de protección para la aspiración.



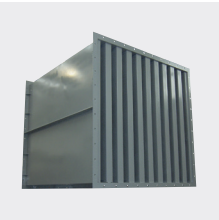
**AM/AZ**
Soportes antivibratorios.



**SCSO**
Silenciador cilíndrico.



**SCCO**
Silenciador cilíndrico con bulbo.



**SASS**
Silenciador rectangular.



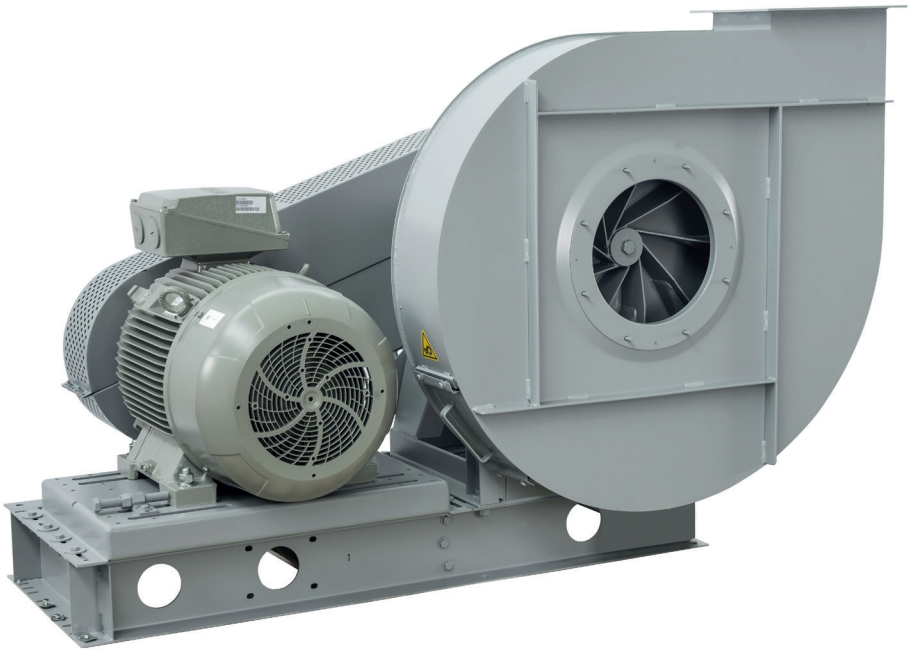
**CI**
Cabina de insonorización.

Ver información completa en página **772**.

# KA

## VENTILADORES CENTRÍFUGOS PARA TRANSPORTE DE MATERIA

*TRANSMISIÓN*



Ventilador centrífugo con accionamiento por poleas y correas y simple aspiración. Fabricados en chapa de acero protegida contra la corrosión mediante tratamiento por cataforesis + pintura poliuretana. Temperaturas del aire a transportar -20ºC/+100ºC en continuo.

APLICACIONES

**Aire a transportar**
Transporte de material y neumático

**Cantidad de polvo (mg/m$^3$)**
<50000



Rodete de álabes curvados hacia adelante para transporte de material

### Sistemas de montaje

- SISTEMA 1: eje libre, para acoplamiento mediante poleas y correas.
- SISTEMA 9: incluye motor, poleas, correas y protector de correas. Motor montado en el lateral del pie soporte rodamientos.
- SISTEMA 12: incluye motor, poleas, correas y protector de correas. Motor montado sobre la bancada general.

### Motores

De 2, 4 o 6 polos, de alta eficiencia IE 3* (las r.p.m. de cada motor se adaptarán al cálculo de cada transmisión), tensión de alimentación trifásica 230/400V 50Hz hasta tamaño motor 112 y 400/690V 50Hz para motores de mayor dimensión. Protección IP55, Clase F.

* Entre 75 y 200kW, los motores suministrados serán IE4.

### Bajo pedido

- Fabricación en diferentes materiales constructivos.
- Motores de 2 velocidades.
- Versiones de 60 Hz.
- Pintura en diferentes RAL.
- Versión para alta temperatura: hasta 300ºC (versiones B: con rodete de refrigeración).
- Trampilla de inspección, purga de drenaje, distintos tipos de estanqueidad a nivel de voluta y de paso de eje.
- Ventiladores estancos.
- Calorifugado.

### Versiones ATEX

Bajo pedido, versiones antiexplosivas según la Directiva ATEX para modelos trifásicos: Para trabajar a temperaturas de -20ºC a +60ºC, presión ambiente (absoluta) de 0,8 bar hasta 1,1 bar, según EN 14986.

- Gas:
  Ⓔx 3G IIB T2-T3-T4
  Ⓔx 3G IIB+H2 T2-T3-T4
- Polvo no conductivo:
  Ⓔx 2D* IIIB T125°C-T135°C-T195°C-T295°C
  Ⓔx 3D IIIB T125°C-T135°C-T195°C-T295°C
- Polvo conductivo (con motor IP65 IIIC):
  Ⓔx 2D* IIIC T125°C-T135°C-T195°C-T295°C
  Ⓔx 3D IIIC T125°C-T135°C-T195°C-T295°C

* Solo para aplicaciones de transporte de pelusas.

## CARACTERÍSTICAS TÉCNICAS

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación.

| Modelo | Caudal máximo ($m^3/h$) | Potencia motor máxima (kW) | Peso (kg)[1] | Momento de inercia ($kg \cdot m^2$)[2] |
|---|---|---|---|---|
| KA 401 P1A | 1.020 | 4,0 | 35 | 0,09 |
| KA 451 P1A | 1.280 | 5,5 | 39 | 0,18 |
| KA 501 P1A | 1.580 | 7,5 | 54 | 0,25 |
| KA 561 P1A | 1.940 | 9,2 | 79 | 0,43 |
| KA 631 P1A | 2.490 | 11,0 | 105 | 0,85 |
| KA 711 P1A | 3.200 | 15,0 | 148 | 1,38 |
| KA 801 P1A | 4.050 | 18,5 | 193 | 2,50 |
| KA 901 P1A | 5.150 | 22,0 | 278 | 4,20 |
| KA 1001 P1A | 6.290 | 30,0 | 398 | 6,80 |

[1] Para ejecución 1 y orientación LG270 o RD270
[2] Momento de inercia del rodete

SOPORTES SISTEMA 1

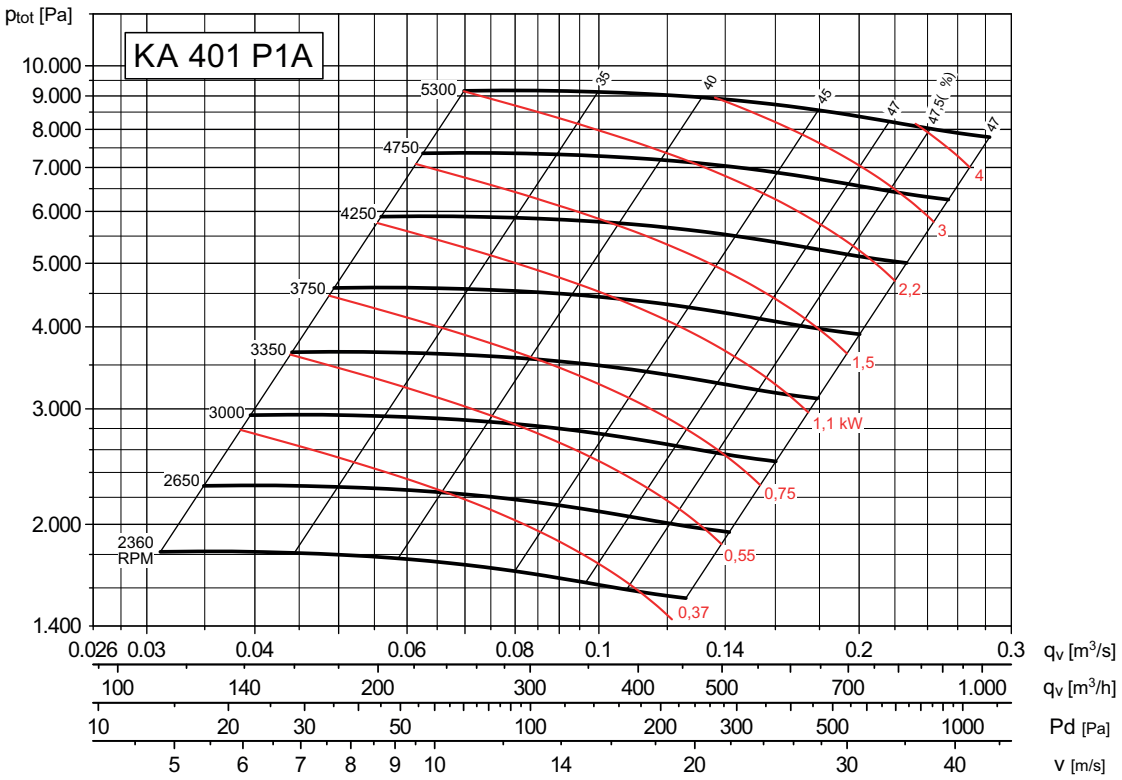
| Modelo | 401-451 | 501-561 | 631 | 711-801 | 901 | 1001 |
|---|---|---|---|---|---|---|
| Soporte tipo | ST 62 A24 | ST 80 A28 | ST 90 A38 | ST 100 A42 | ST 110 B48 | ST 120 B48 |

MOTORES SISTEMA 9

| Modelo | 401-451 | 501-631 | 711-1001 |
|---|---|---|---|
| Tamaño motor | ≤ 112 M2 | ≤ 132 MB2 | ≤ 160 L2-4 |

## CURVAS CARACTERÍSTICAS (a la descarga)

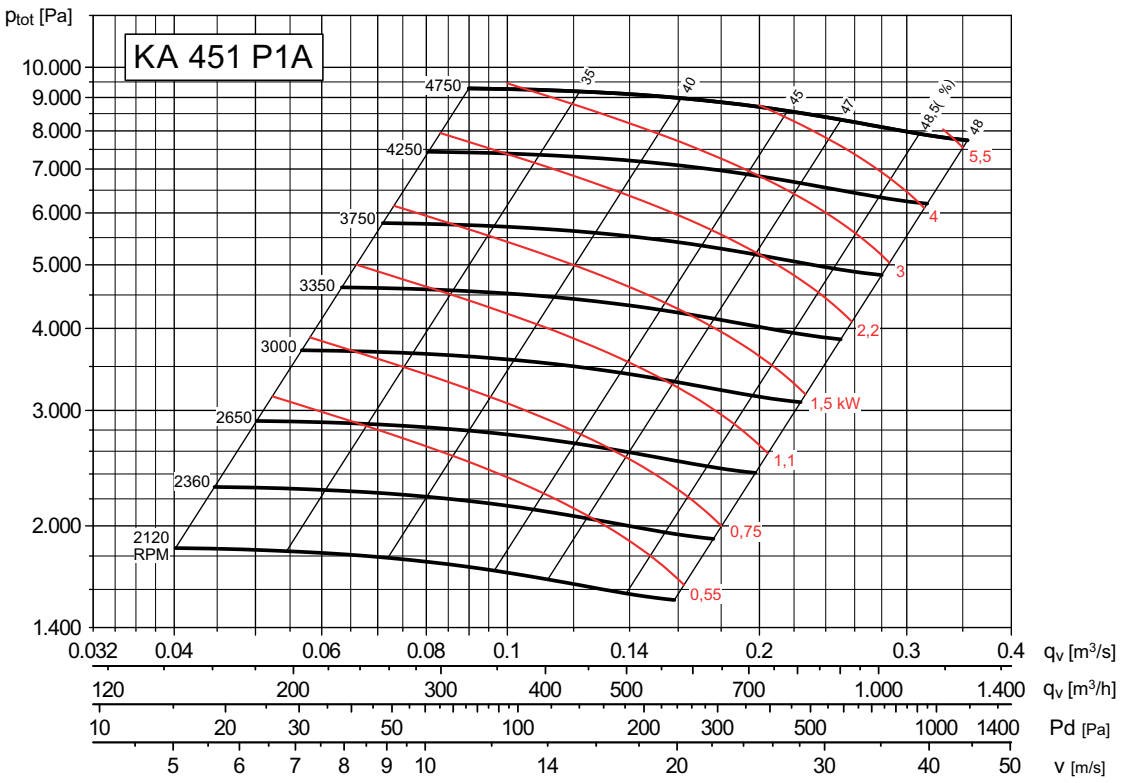
**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 5300 rpm

101 ÷ 220°C = 4750 rpm



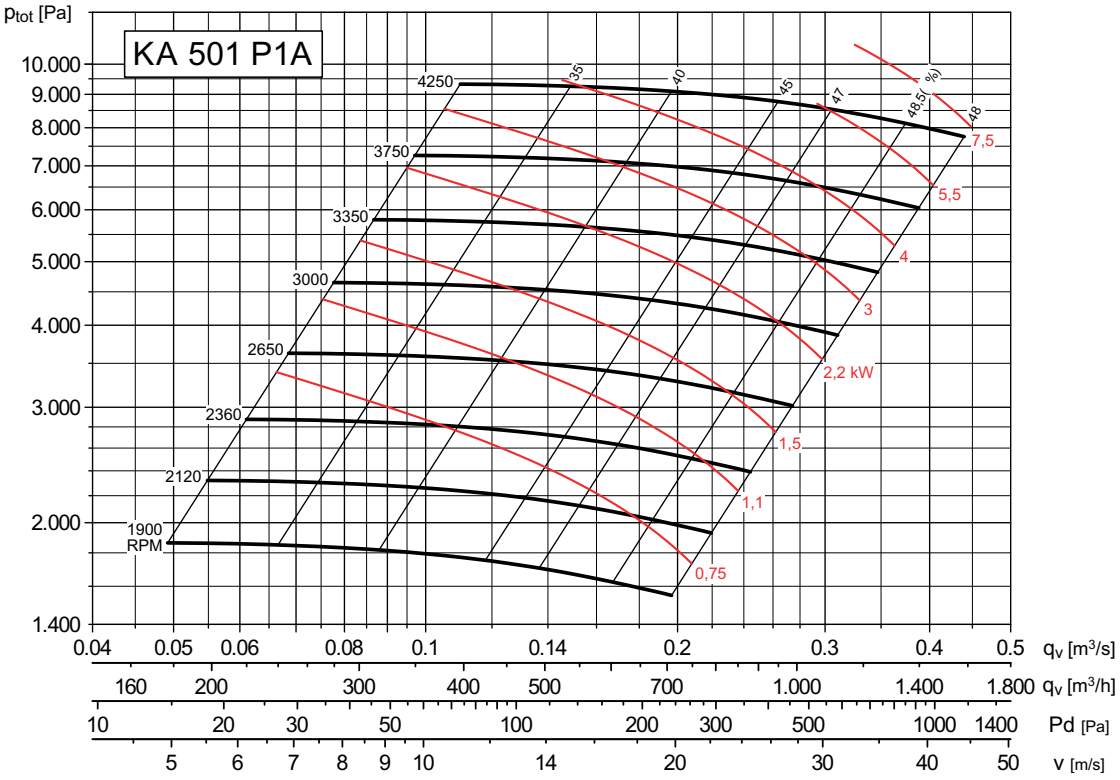

MAX. RPM

≤ 100°C = 4750 rpm

101 ÷ 220°C = 4250 rpm

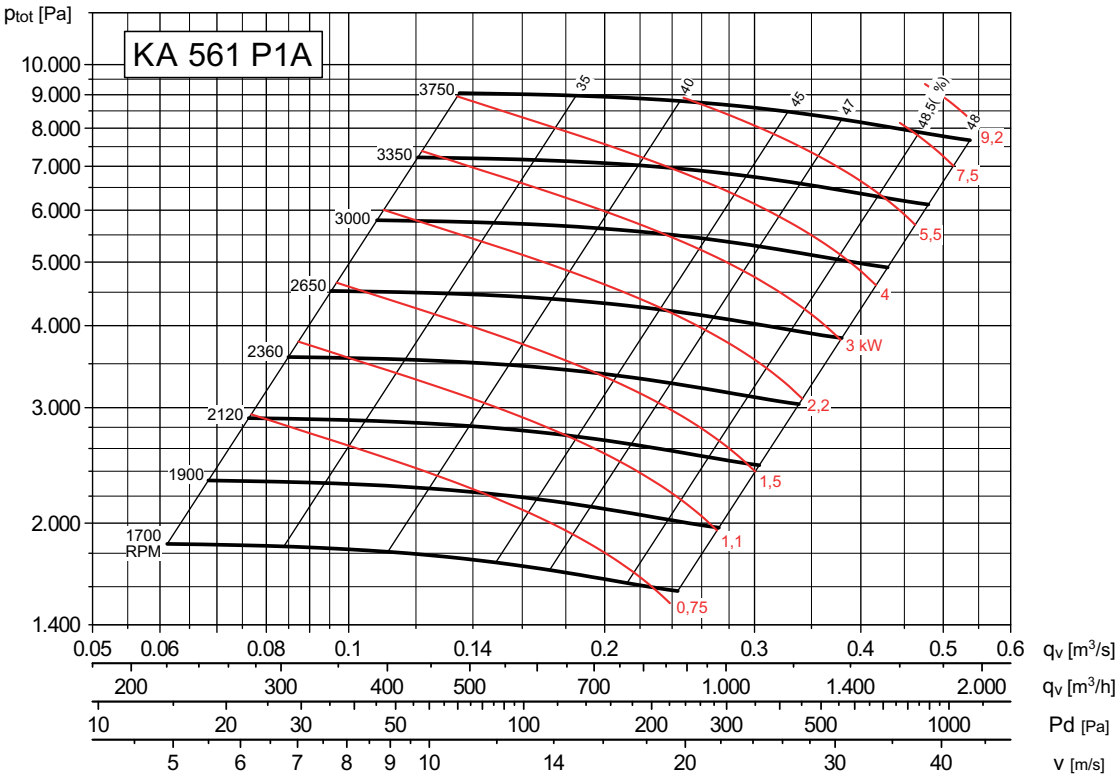
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 4250 rpm
101 ÷ 220°C = 3750 rpm

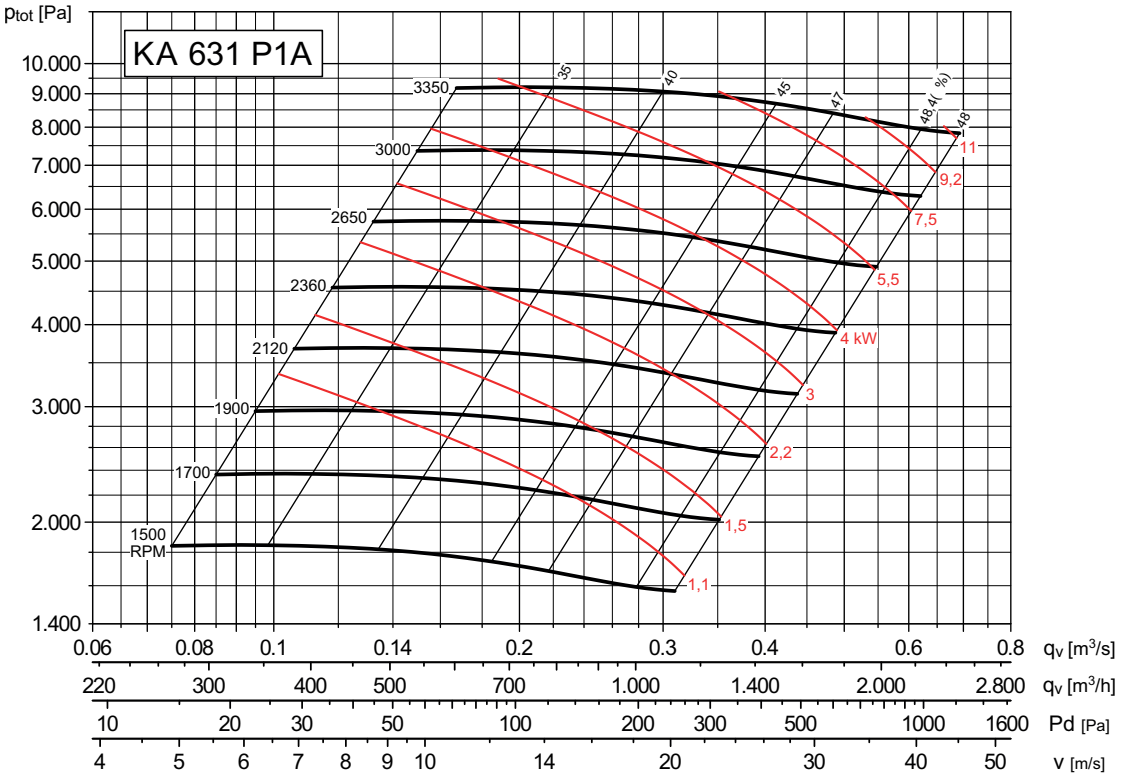



MAX. RPM

≤ 100°C = 3750 rpm
101 ÷ 220°C = 3350 rpm

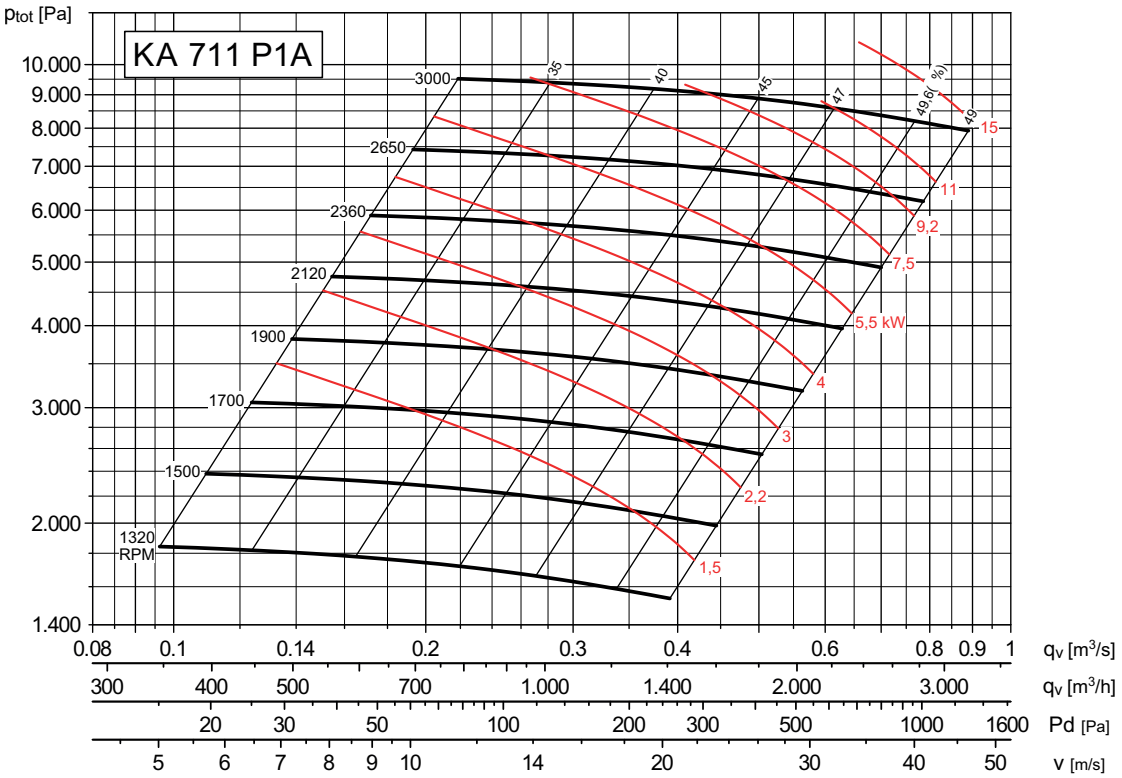
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 3350 rpm
101 ÷ 220°C = 3000 rpm

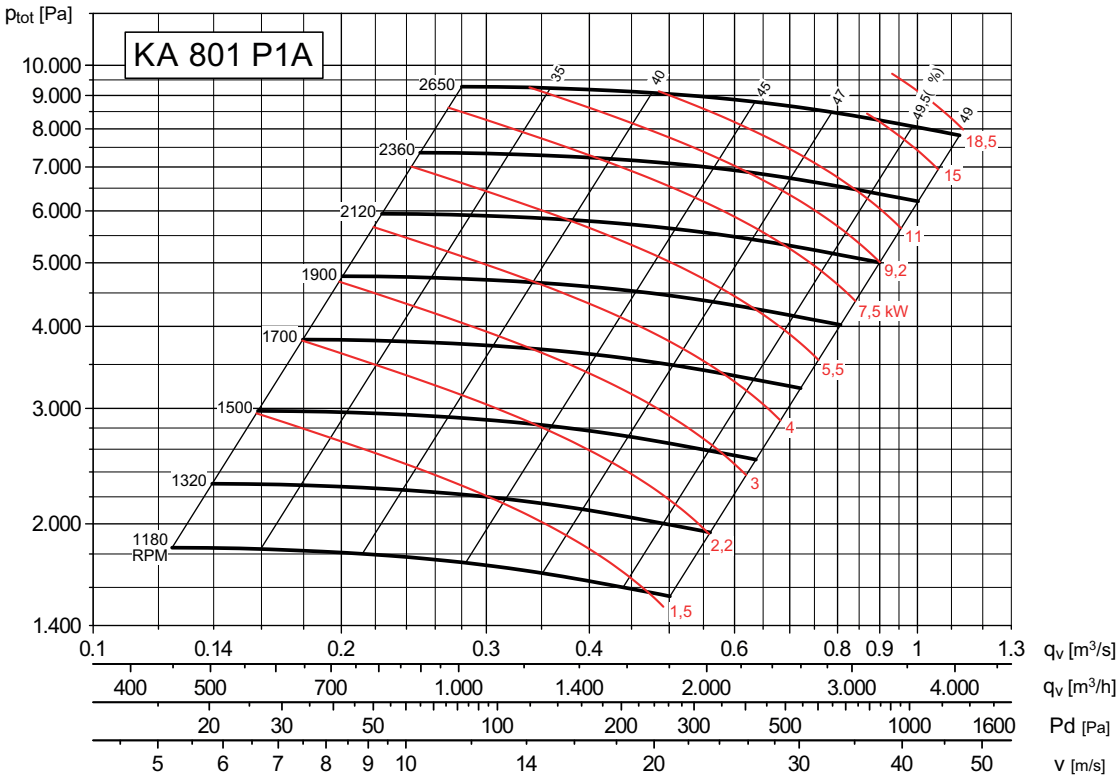



MAX. RPM

≤ 100°C = 3000 rpm
101 ÷ 220°C = 2650 rpm

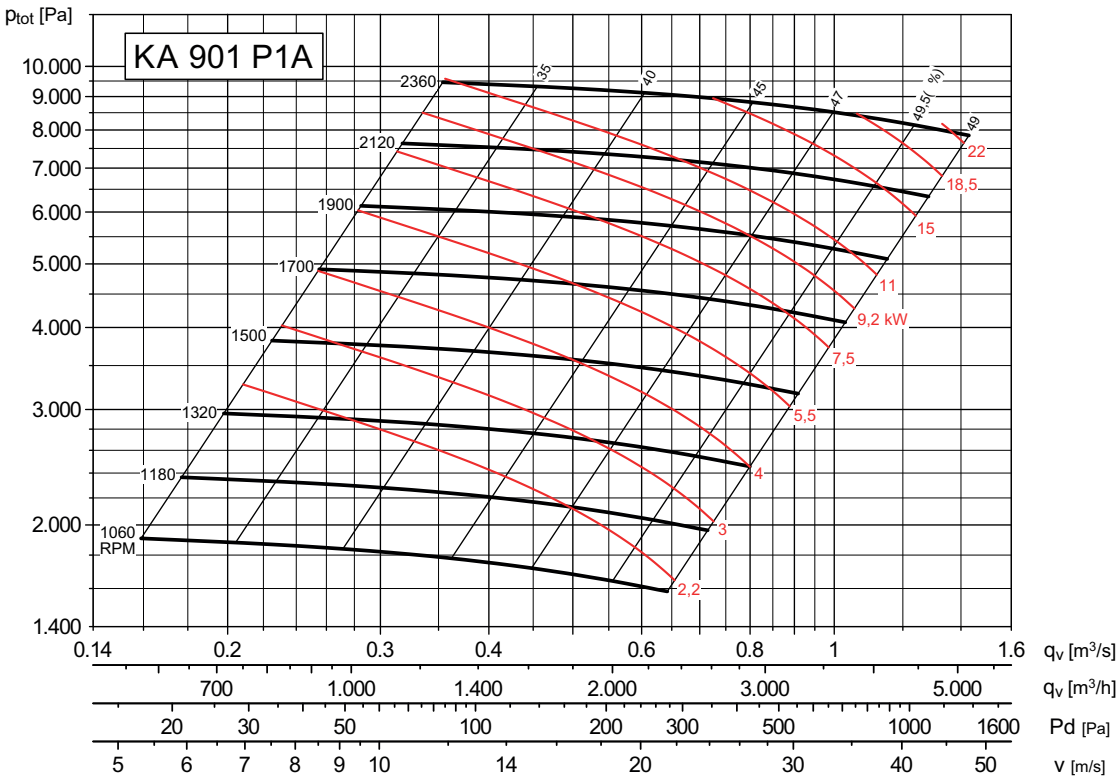
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 2650 rpm
101 ÷ 220°C = 2360 rpm

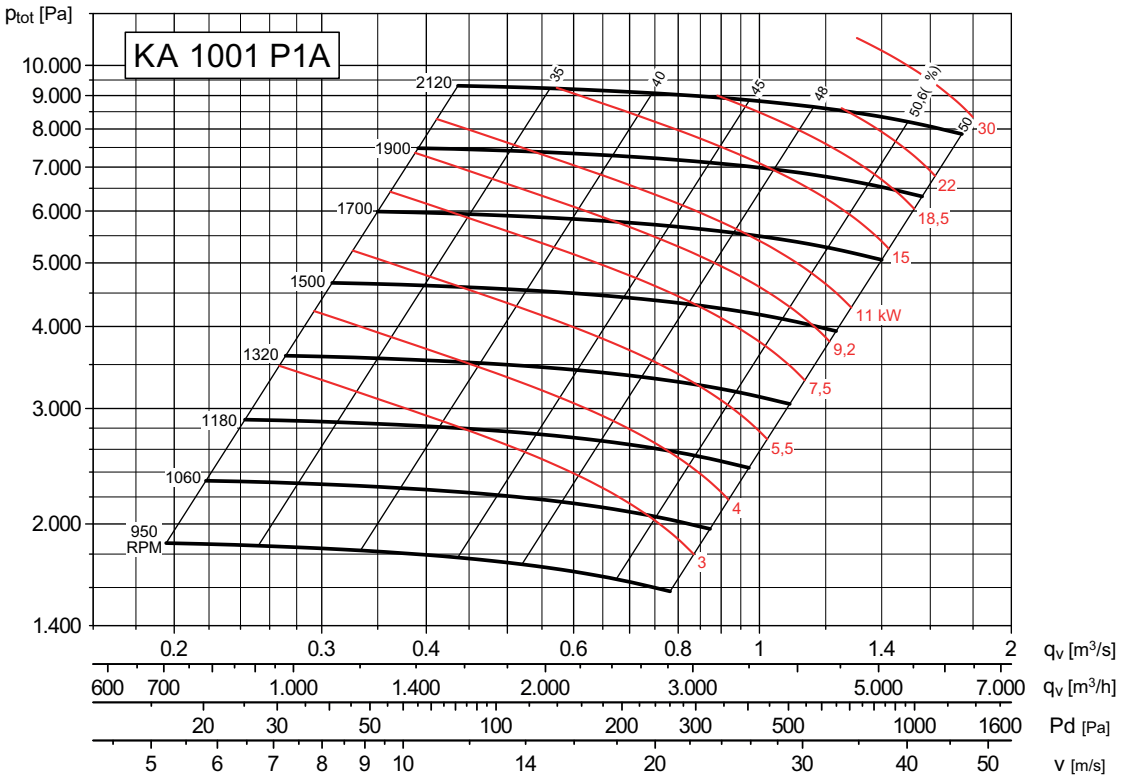



MAX. RPM

≤ 100°C = 2360 rpm
101 ÷ 220°C = 2120 rpm

## CURVAS CARACTERÍSTICAS (a la descarga)

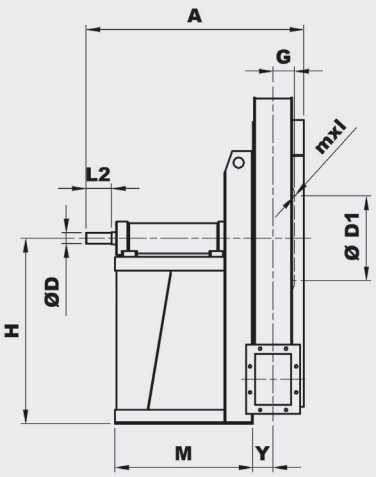
**– Ptot: Presión total en Pa**

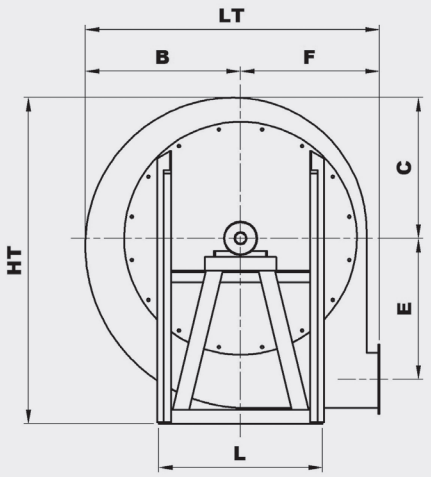


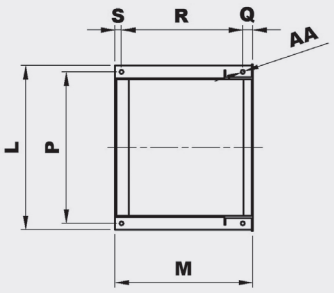

MAX. RPM

≤ 100°C = 2120 rpm
101 ÷ 220°C = 1900 rpm

## DIMENSIONES (mm)



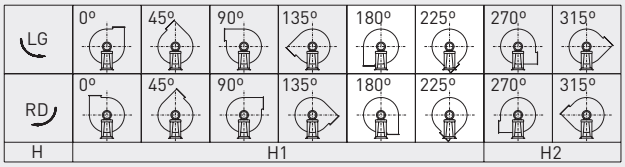




DESCARGA ORIENTABLE

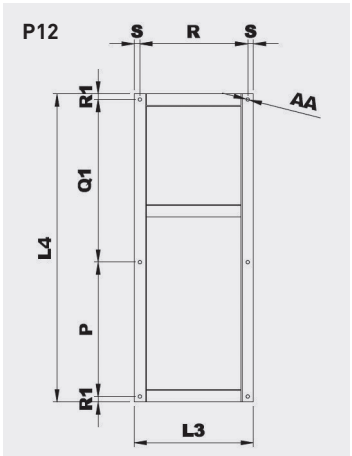
EJECUCIÓN B
Con rodete de refrigeración, contactar con oficina técnica.

ORIENTACIONES




Para estas orientaciones, contactar con oficina técnica

| Modelo | | | | | | | | | | | | | | | Eje | | Base | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | ØD1 | E | F | G | H | | HT | mxl | Y | LT | ØD6 | L2 | ØD | L | P | Q | R | S | ØAA |
| | | | | | | | | H1 | H2 | | | | | | | | | | | | | |
| KA 401 P1A | 490 | 310 | 285 | 165 | 273 | 280 | 40 | 375 | 375 | 660 | M6x20 | 37 | 590 | 50 | 24 | 324 | 288 | 333 | 17 | 299 | 17 | 12 |
| KA 451 P1A | 500 | 345 | 315 | 182 | 305 | 300 | 44 | 400 | 400 | 715 | M6x20 | 42 | 645 | 50 | 24 | 324 | 288 | 328 | 17 | 294 | 17 | 12 |
| KA 501 P1A | 655 | 380 | 350 | 200 | 342 | 335 | 50 | 450 | 450 | 800 | M6x20 | 47 | 715 | 60 | 28 | 400 | 355 | 463 | 23 | 417 | 23 | 14 |
| KA 561 P1A | 665 | 430 | 390 | 219 | 387 | 375 | 55 | 500 | 500 | 890 | M6x20 | 52 | 805 | 60 | 28 | 400 | 355 | 457 | 23 | 411 | 23 | 14 |
| KA 631 P1A | 710 | 485 | 440 | 241 | 436 | 425 | 60 | 560 | 560 | 1000 | M6x20 | 58 | 910 | 80 | 38 | 400 | 355 | 475 | 23 | 429 | 23 | 14 |
| KA 711 P1A | 855 | 540 | 490 | 265 | 488 | 475 | 68 | 530 | 630 | 1120 | M6x20 | 64 | 1015 | 110 | 42 | 588 | 534 | 575 | 28 | 519 | 28 | 17 |
| KA 801 P1A | 865 | 610 | 550 | 292 | 551 | 530 | 75 | 600 | 710 | 1260 | M8x25 | 71 | 1140 | 110 | 42 | 628 | 574 | 575 | 28 | 519 | 28 | 17 |
| KA 901 P1A | 880 | 685 | 610 | 332 | 620 | 600 | 81 | 670 | 800 | 1420 | M8x25 | 83 | 1285 | 110 | 48 | 708 | 654 | 580 | 28 | 524 | 28 | 17 |
| KA 1001 P1A | 1000 | 760 | 690 | 366 | 690 | 670 | 93 | 750 | 900 | 1590 | M8x25 | 90 | 1430 | 110 | 48 | 826 | 762 | 642 | 33 | 576 | 33 | 19 |

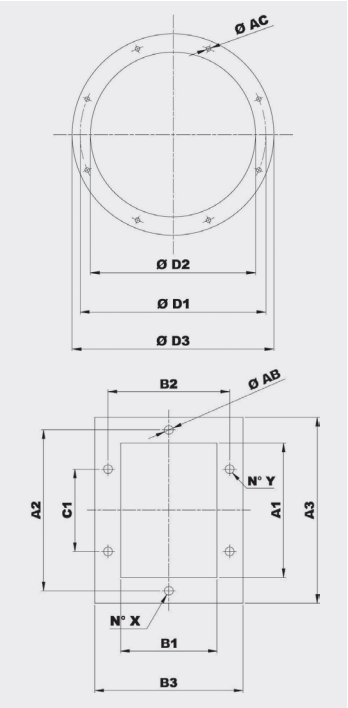



Bancada ejecución 12

| Modelo | P | L3 | L4 | Q1 | R | R1 | S | ØAA | Peso (kg) |
|---|---|---|---|---|---|---|---|---|---|
| 401 P12A | 288 | 333 | 850 | 526 | 299 | 18 | 17 | 12 | 13 |
| 451 P12A | 288 | 328 | 900 | 576 | 294 | 18 | 17 | 12 | 13 |
| 501 P12A | 355 | 463 | 1060 | 660 | 417 | 22,5 | 23 | 14 | 21 |
| 561 P12A | 355 | 457 | 1120 | 720 | 411 | 22,5 | 23 | 14 | 21 |
| 631 P12A | 355 | 475 | 1180 | 780 | 429 | 22,5 | 23 | 14 | 23 |
| 711 P12A | 534 | 575 | 1250 | 662 | 519 | 27 | 28 | 17 | 32 |
| 801 P12A | 574 | 575 | 1400 | 772 | 519 | 27 | 28 | 17 | 35 |
| 901 P12A | 654 | 580 | 1500* | 792* | 524 | 27 | 28 | 17 | 45 |
| 1001 P12A | 762 | 642 | 1700** | 874** | 576 | 32 | 33 | 19 | 60 |

* Para motores de talla 250-280, esta cota aumenta en 150 mm
**Para motores de talla 250-280, esta cota aumenta en 100 mm

## DIMENSIONES (mm)




Brida aspiración

| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 401 | 125 | 129 | 165 | 189 | 8 | 4 |
| 451 | 140 | 144 | 182 | 214 | 8 | 8 |
| 501 | 160 | 164 | 200 | 234 | 8 | 8 |
| 561 | 180 | 184 | 219 | 254 | 8 | 8 |
| 631 | 200 | 204 | 241 | 274 | 8 | 8 |
| 711 | 224 | 228 | 265 | 298 | 8 | 8 |
| 801 | 250 | 254 | 292 | 324 | 10 | 8 |
| 901 | 280 | 285 | 332 | 365 | 10 | 8 |
| 1001 | 315 | 320 | 366 | 400 | 10 | 8 |

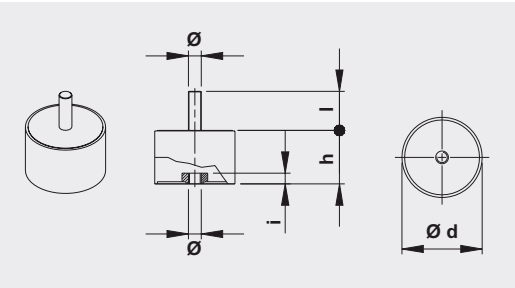
Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 401 | 90x63 | 95 | 68 | 129 | 102 | 145 | 118 | - | 10 | 1+1 | 1+1 |
| 451 | 100x71 | 105 | 76 | 139 | 110 | 165 | 136 | - | 10 | 1+1 | 1+1 |
| 501 | 112x80 | 117 | 85 | 151 | 119 | 177 | 145 | - | 10 | 1+1 | 1+1 |
| 561 | 125x90 | 131 | 95 | 165 | 129 | 191 | 155 | 100 | 10 | 1+1 | 2+2 |
| 631 | 140x100 | 146 | 105 | 182 | 139 | 216 | 175 | 112 | 12 | 1+1 | 2+2 |
| 711 | 160x112 | 164 | 117 | 200 | 151 | 234 | 187 | 112 | 12 | 1+1 | 2+2 |
| 801 | 180x125 | 183 | 131 | 219 | 165 | 253 | 201 | 112 | 12 | 1+1 | 2+2 |
| 901 | 200x140 | 205 | 146 | 241 | 182 | 275 | 216 | 112 | 12 | 2+2 | 2+2 |
| 1001 | 224x160 | 229 | 164 | 265 | 200 | 299 | 234 | 112 | 12 | 2+2 | 2+2 |

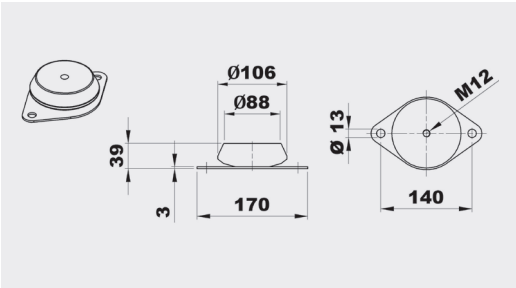
## AMORTIGUADORES

Amortiguadores recomendados

| Ventilador | Ejecución 9 | Ejecución 12 |
|---|---|---|
| 401 | 4 x AM 25 - 25x20 | 4 x AM 30 - 30x30 |
| 451 | 4 x AM 25 - 25x20 | 4 x AM 30 - 30x30 |
| 501 | 4 x AM 30 - 30x30 | 4 x AM 40 - 40x30 |
| 561 | 4 x AM 30 - 30x30 | 4 x AM 40 - 40x30 |
| 631 | 4 x AM 40 - 40x30 | 4 x AM 50 - 50x40 |
| 711 | 4 x AM 50 - 50x40 | 4 x AM 50 - 50x40 |
| 801 | 4 x AM 50 - 50x40 | 4 x AM 75 - 75x50 |
| 901 | 4 x AM 75 - 75x50 | 4 x AM 75 - 75x50 |
| 1001 | 4 x AM 75 - 75x50 | 4 x AZ 39 - 140x39 |

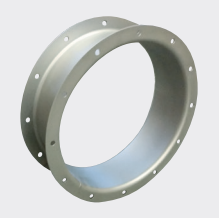



| Tipo | Carga para 4 soportes (kg) | d | h | Ø | l | Peso (kg) |
|---|---|---|---|---|---|---|
| AM 25 | 41÷80 | 25 | 20 | M6 | 18 | 0,03 |
| AM 30 | 81÷140 | 30 | 30 | M8 | 20 | 0,05 |
| AM 40 | 141÷224 | 40 | 30 | M8 | 23 | 0,10 |
| AM 50 | 225÷315 | 50 | 40 | M10 | 28 | 0,20 |
| AM 75 | 316÷630 | 75 | 50 | M12 | 37 | 0,50 |

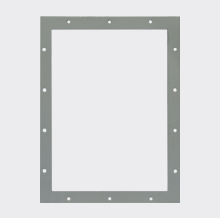



| Tipo | Carga para 4 soportes (kg) | Peso (kg) |
|---|---|---|
| AZ 39 | 631÷1250 | 0,7 |

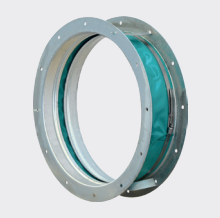
## ACCESORIOS



**CA (CFH1) - CFH2 - CFH3**
Contrabrida - Brida plana circular.



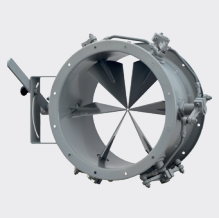
**CP**
Brida plana rectangular.



**GA**
Junta flexible aspiración.



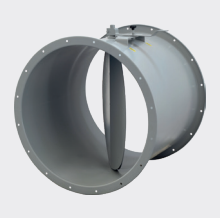
**GP**
Junta flexible descarga.



**DP**
Regulador de caudal de aspiración.



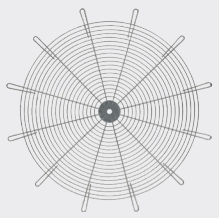
**SAD**
Compuerta de regulación de caudal de descarga.



**SF**
Vávula mariposa.



**DF**
Filtro en la aspiración.



**RC**
Rejilla de protección para la aspiración.



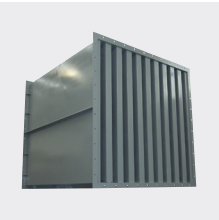
**AM/AZ**
Soportes antivibratorios.



**SCSO**
Silenciador cilíndrico.



**SCCO**
Silenciador cilíndrico con bulbo.



**SASS**
Silenciador rectangular.



**CI**
Cabina de insonorización.

Ver información completa en página **772**.

# KB

## VENTILADORES CENTRÍFUGOS PARA TRANSPORTE DE MATERIA

*ACOPLAMIENTO DIRECTO*



Ventilador centrífugo de acoplamiento directo y simple aspiración. Fabricados en chapa de acero protegida contra la corrosión mediante tratamiento por cataforesis + pintura poliuretana. Temperaturas del aire a transportar -20ºC/+100ºC en continuo.



APLICACIONES

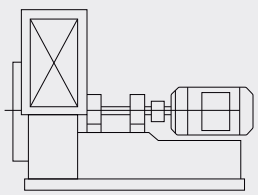
**Aire a transportar**
Transporte de material y neumático

**Cantidad de polvo (mg/m³)**
<50000



Rodete de álabes curvados hacia adelante para transporte de material

**SISTEMA 8:** acoplamiento mediante junta elástica.



Disponible bajo pedido

**Motores**
De 2 polos, de alta eficiencia IE 3*, tensión de alimentación trifásica 230/400V 50Hz hasta tamaño motor 112 y 400/690V 50Hz para motores de mayor dimensión. Protección IP55, Clase F.

* Entre 75 y 200kW, los motores suministrados serán IE4.

**Bajo pedido**
- Fabricación en diferentes materiales constructivos.
- Motores de 2 velocidades.
- Versiones de 60 Hz.
- Pintura en diferentes RAL.
- Versión sin pie soporte (Motor-Brida, Sistema 5), hasta tamaño de motor 160.
- Versión para alta temperatura: hasta 220ºC (versiones B: con rodete de refrigeración).
- SISTEMA 8: acoplamiento mediante junta elástica.
- Trampilla de inspección, purga de drenaje, distintos tipos de estanqueidad a nivel de voluta y de paso de eje.
- Ventiladores estancos.
- Calorifugado.

**Versiones ATEX**
Bajo pedido, versiones antiexplosivas según la Directiva ATEX para modelos trifásicos: Para trabajar a temperaturas de -20ºC a +60ºC, presión ambiente (absoluta) de 0,8 bar hasta 1,1 bar, según EN 14986.
- Gas:
  - Ex 3G IIB T2-T3
  - Ex 3G IIB+H2 T2-T3
- Polvo no conductivo:
  - Ex 2D* IIIB T125°C-T135°C-T195°C-T295°C
  - Ex 3D IIIB T125°C-T135°C-T195°C-T295°C
- Polvo conductivo (con motor IP65 IIIC):
  - Ex 2D* IIIC T125°C-T135°C-T195°C-T295°C
  - Ex 3D IIIC T125°C-T135°C-T195°C-T295°C

*Solo para aplicaciones de transporte de pelusas.

## CARACTERÍSTICAS TÉCNICAS

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación

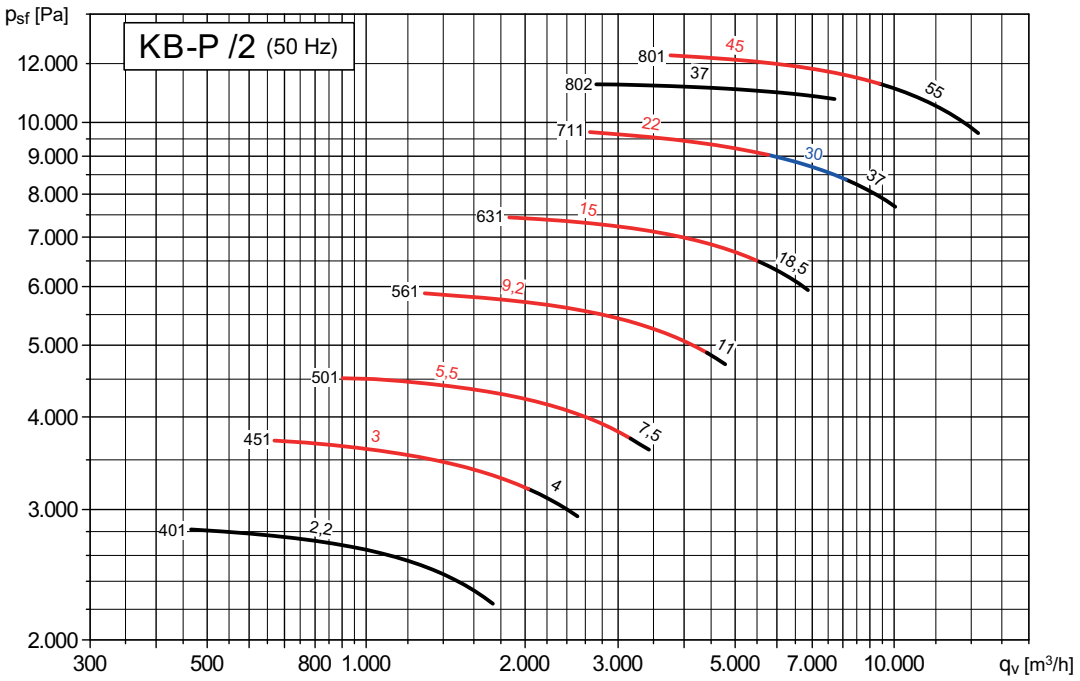
| Modelo | Tamaño motor | Velocidad (r.p.m.) | Potencia motor (kW) | Intensidad motor 400V (A) | Caudal máximo ($m^3/h$) | Nivel presión sonora a 1 m (dB(A))[1] | Peso (kg)[2] | Momento de inercia ($kg \cdot m^2$)[3] |
|---|---|---|---|---|---|---|---|---|
| 2 POLOS | | | | | | | | |
| KB 401/2 P4A | 90L2 | 2850 | 2,2 | 4,43 | 1.740 | 79 | 47 | 0,13 |
| KB 451/2 P4A | 100LA2 | 2900 | 3,0 | 5,77 | 2.030 | 82 | 62 | 0,19 |
| KB 451/2 P4A | 112M2 | 2910 | 4,0 | 7,50 | 2.510 | 82 | 67 | 0,19 |
| KB 501/2 P4A | 132SA2 | 2890 | 5,5 | 10,10 | 3.030 | 85 | 99 | 0,34 |
| KB 501/2 P4A | 132SB2 | 2890 | 7,5 | 13,90 | 3.430 | 85 | 105 | 0,34 |
| KB 561/2 P4A | 132MB2 | 2900 | 9,0 | 16,60 | 4.230 | 89 | 138 | 0,60 |
| KB 561/2 P4A | 160MR2 | 2930 | 11,0 | 18,70 | 4.790 | 89 | 161 | 0,60 |
| KB 631/2 P4A | 160L2 | 2935 | 15,0 | 25,40 | 5.290 | 93 | 196 | 1,10 |
| KB 631/2 P4A | 160M2 | 2935 | 18,5 | 33,30 | 6.870 | 93 | 206 | 1,10 |
| KB 711/2 P4A | 180M2 | 2940 | 22,0 | 39,00 | 5.770 | 96 | 256 | 1,70 |
| KB 711/2 P4A | 200L2 | 2960 | 30,0 | 53,50 | 8.110 | 96 | 368 | 1,70 |
| KB 711/2 P4A | 200LR2 | 2960 | 37,0 | 65,60 | 10.050 | 96 | 376 | 1,70 |
| KB 802/2 P4A | 200L2 | 2960 | 37,0 | 65,60 | 7.710 | 100 | 419 | 3,00 |
| KB 801/2 P4A | 225M2 | 2960 | 45,0 | 77,60 | 9.380 | 101 | 475 | 3,20 |
| KB 801/2 P4A | 250M2 | 2960 | 55,0 | 93,50 | 14.430 | 101 | 557 | 3,20 |
| 4 POLOS | | | | | | | | |
| KB 802/4 P4A | 132MA4 | 1450 | 7,5 | 13,90 | 3.740 | 81 | 253 | 3,00 |
| KB 801/4 P4A | 132MB4 | 1450 | 9,2 | 17,40 | 7.070 | 82 | 273 | 3,10 |
| KB 902/4 P4A | 160M4 | 1450 | 11,0 | 20,70 | 7.630 | 84 | 443 | 4,80 |
| KB 901/4 P4A | 160L4 | 1450 | 15,0 | 28,40 | 9.890 | 85 | 481 | 5,50 |
| KB 1002/4 P4A | 180L4 | 1470 | 18,5 | 34,90 | 10.800 | 88 | 590 | 7,80 |
| KB 1001/4 P4A | 180M4 | 1470 | 22,0 | 40,90 | 13.930 | 89 | 650 | 8,80 |

1 Entubado en la descarga
Tolerancia del nivel de ruido de +3 dB/A, medido en el punto de máxima eficiencia
2 Con motor incluido y para orientación LG270 o RD270
3 Momento de inercia del rodete

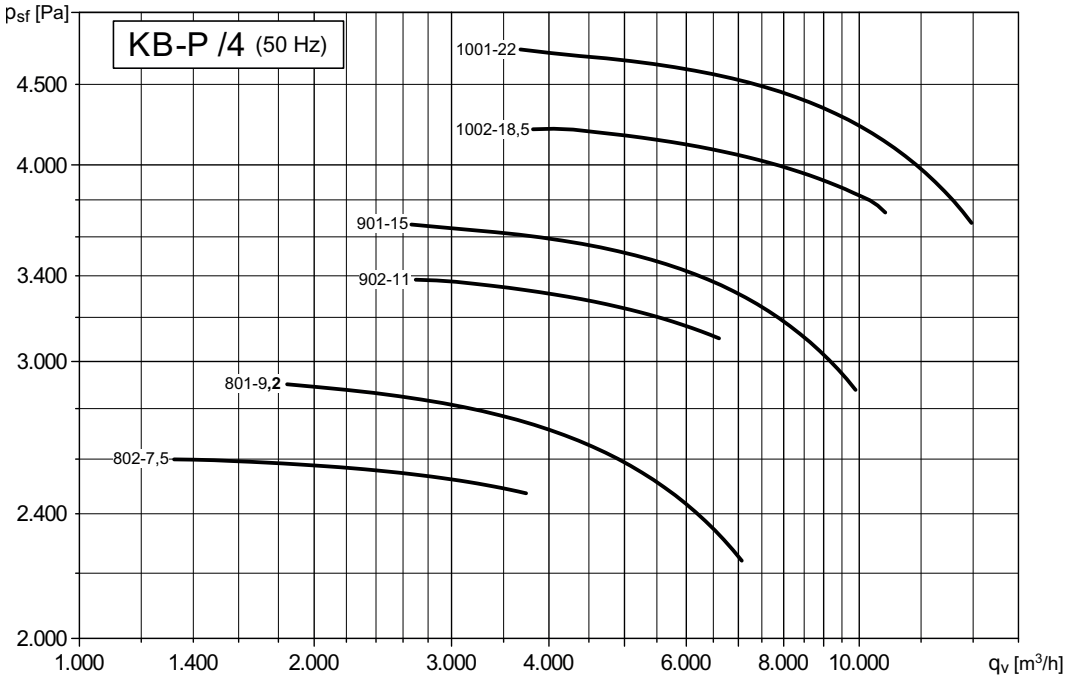
## CURVAS CARACTERÍSTICAS (a la descarga)

- Ventiladores ensayados con la aspiración y la descarga entubadas
- **Psf: Presión estática en Pa**
- Modelo - Potencia motor en kW
- Ejemplo: 711 - 22, 30 o 37
  Modelo - kW

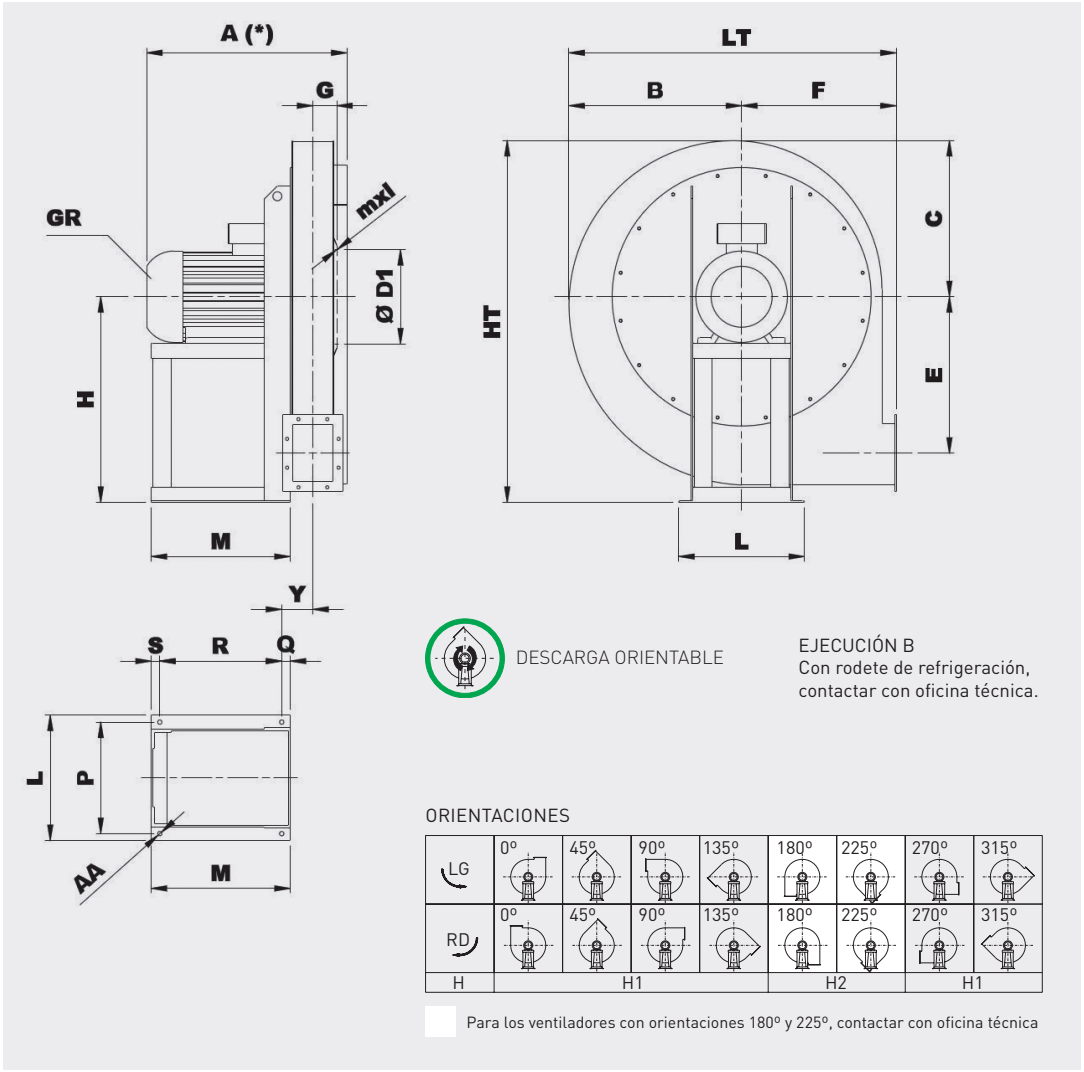
2 polos - Modelos desde 401 hasta 801




4 polos - Modelos desde 801 hasta 1001



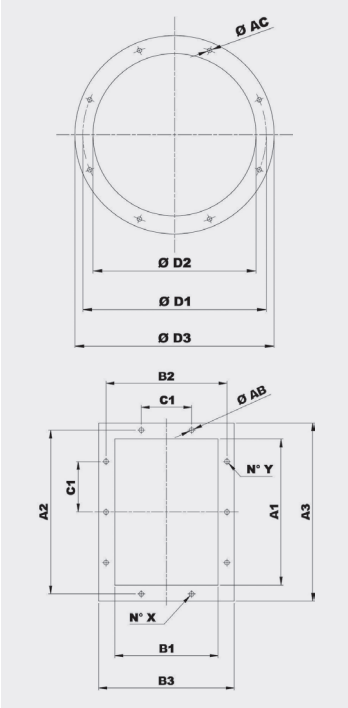
## DIMENSIONES (mm)




| Modelo | | | | | | | | | | | | | | Base | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Motor GR | A* | B | C | ØD1 | E | F | G | H | | HT | mxl | Y | LT | L | P | M | Q | R | S | ØAA |
| | | | | | | | | | H1 | H2 | | | | | | | | | | | |
| KB 401/2 P4A | 90L2 | 450 | 310 | 285 | 219 | 238 | 280 | 67 | 375 | 280 | 660 | M6x20 | 122 | 590 | 260 | 234 | 260 | 60 | 183 | 17 | 10 |
| KB 451/2 P4A | 100LA2 | 490 | 345 | 315 | 241 | 266 | 300 | 74 | 400 | 300 | 715 | M6x20 | 93 | 645 | 324 | 289 | 295 | 23 | 249 | 23 | 12 |
| KB 451/2 P4A | 112M2 | 530 | 345 | 315 | 241 | 266 | 300 | 74 | 400 | 300 | 715 | M6x20 | 93 | 645 | 324 | 289 | 310 | 23 | 264 | 23 | 12 |
| KB 501/2 P4A | 132SA2 | 570 | 380 | 350 | 265 | 298 | 335 | 83 | 450 | 335 | 800 | M6x20 | 100 | 715 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| KB 501/2 P4A | 132SB2 | 570 | 380 | 350 | 265 | 298 | 335 | 83 | 450 | 335 | 800 | M6x20 | 100 | 715 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| KB 561/2 P4A | 132MB2 | 625 | 430 | 390 | 292 | 338 | 375 | 92 | 500 | 375 | 890 | M8x25 | 109 | 805 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| KB 561/2 P4A | 160MR2 | 710 | 430 | 390 | 292 | 338 | 375 | 92 | 500 | 375 | 890 | M8x25 | 114 | 805 | 440 | 395 | 470 | 28 | 414 | 28 | 14 |
| KB 631/2 P4A | 160L2 | 730 | 485 | 440 | 332 | 381 | 425 | 101 | 560 | 425 | 1000 | M8x25 | 125 | 910 | 440 | 395 | 470 | 28 | 414 | 28 | 14 |
| KB 631/2 P4A | 160M2 | 730 | 485 | 440 | 332 | 381 | 425 | 101 | 560 | 425 | 1000 | M8x25 | 125 | 910 | 440 | 395 | 470 | 28 | 414 | 28 | 14 |
| KB 711/2 P4A | 180M2 | 800 | 540 | 490 | 366 | 426 | 475 | 115 | 630 | 475 | 1120 | M8x25 | 141 | 1015 | 488 | 434 | 540 | 33 | 474 | 33 | 17 |
| KB 711/2 P4A | 200L2 | 925 | 540 | 490 | 366 | 426 | 475 | 115 | 630 | 475 | 1120 | M8x25 | 188 | 1015 | 568 | 506 | 515 | 80 | 396 | 39 | 19 |
| KB 711/2 P4A | 200LR2 | 925 | 540 | 490 | 366 | 426 | 475 | 115 | 630 | 475 | 1120 | M8x25 | 188 | 1015 | 568 | 506 | 515 | 80 | 396 | 39 | 19 |
| KB 801/2 P4A | 225M2 | 975 | 610 | 550 | 405 | 481 | 530 | 127 | 710 | 530 | 1260 | M8x25 | 200 | 1140 | 616 | 556 | 564 | 80 | 445 | 39 | 19 |
| KB 801/2 P4A | 250M2 | 1040 | 610 | 550 | 405 | 481 | 530 | 127 | 710 | 530 | 1260 | M8x25 | 210 | 1140 | 676 | 604 | 624 | 90 | 490 | 44 | 19 |
| KB 801/4 P4A | 132MB4 | 670 | 610 | 550 | 405 | 481 | 530 | 127 | 710 | 530 | 1260 | M8x25 | 143 | 1140 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| KB 802/2 P4A | 200L2 | 950 | 610 | 550 | 405 | 481 | 530 | 127 | 710 | 530 | 1260 | M8x25 | 200 | 1140 | 568 | 506 | 524 | 80 | 405 | 39 | 19 |
| KB 802/4 P4A | 132MA4 | 670 | 610 | 550 | 405 | 481 | 530 | 127 | 710 | 530 | 1260 | M8x25 | 143 | 1140 | 372 | 337 | 360 | 23 | 314 | 23 | 12 |
| KB 901/4 P4A | 160L4 | 925 | 685 | 620 | 448 | 542 | 600 | 139 | 800 | 600 | 1420 | M8x25 | 163 | 1285 | 440 | 395 | 470 | 28 | 414 | 28 | 14 |
| KB 902/4 P4A | 160M4 | 925 | 685 | 620 | 448 | 542 | 600 | 139 | 800 | 600 | 1420 | M8x25 | 163 | 1285 | 440 | 395 | 470 | 28 | 414 | 28 | 14 |
| KB 1001/4 P4A | 180L4 | 1070 | 760 | 690 | 497 | 607 | 670 | 160 | 900 | 670 | 1590 | M8x25 | 185 | 1430 | 488 | 434 | 540 | 33 | 474 | 33 | 17 |
| KB 1002/4 P4A | 180M4 | 1070 | 760 | 690 | 497 | 607 | 670 | 160 | 900 | 670 | 1590 | M8x25 | 185 | 1430 | 488 | 434 | 540 | 33 | 474 | 33 | 17 |

* Según tamaño motor

## DIMENSIONES (mm)




Brida aspiración

| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 401 | 180 | 184 | 219 | 254 | 8 | 8 |
| 451 | 200 | 204 | 241 | 274 | 8 | 8 |
| 501 | 224 | 228 | 265 | 298 | 8 | 8 |
| 561 | 250 | 254 | 292 | 324 | 10 | 8 |
| 631 | 280 | 285 | 332 | 365 | 10 | 8 |
| 711 | 315 | 320 | 366 | 400 | 10 | 8 |
| 801 | 355 | 360 | 405 | 440 | 10 | 8 |
| 901 | 400 | 405 | 448 | 485 | 10 | 12 |
| 1001 | 450 | 455 | 497 | 535 | 10 | 12 |

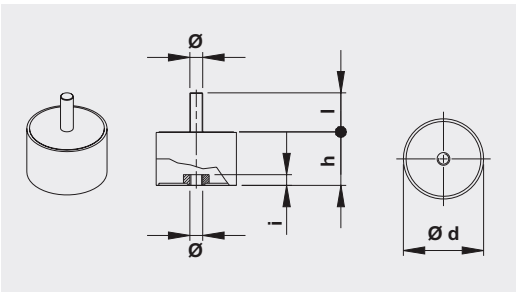
Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 401 | 160x112 | 164 | 117 | 200 | 151 | 234 | 187 | 112 | 12 | 1+1 | 2+2 |
| 451 | 180x125 | 183 | 131 | 219 | 165 | 253 | 201 | 112 | 12 | 1+1 | 2+2 |
| 501 | 200x140 | 205 | 146 | 241 | 182 | 275 | 216 | 112 | 12 | 2+2 | 2+2 |
| 561 | 224x160 | 229 | 164 | 265 | 200 | 299 | 234 | 112 | 12 | 2+2 | 2+2 |
| 631 | 250x180 | 256 | 183 | 292 | 219 | 326 | 253 | 112 | 12 | 2+2 | 3+3 |
| 711 | 280x200 | 288 | 205 | 332 | 249 | 368 | 285 | 125 | 12 | 2+2 | 3+3 |
| 801 | 315x224 | 322 | 229 | 366 | 273 | 402 | 309 | 125 | 12 | 2+2 | 3+3 |
| 901 | 355x250 | 361 | 256 | 405 | 300 | 441 | 336 | 125 | 12 | 2+2 | 3+3 |
| 1001 | 400x280 | 404 | 288 | 448 | 332 | 484 | 368 | 125 | 12 | 3+3 | 4+4 |

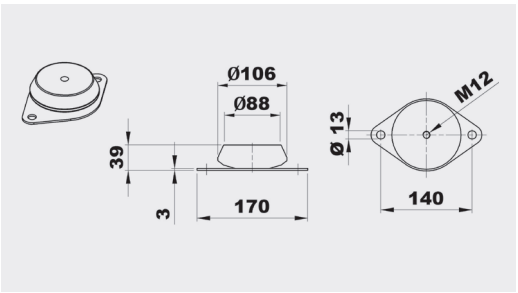
## AMORTIGUADORES

Amortiguadores recomendados

| Ventilador | Ejecución 4 |
|---|---|
| 401 | 4 x AM 25 - 25x20 |
| 451 | 4 x AM 25 - 25x20 |
| 501 | 4 x AM 30 - 30x30 |
| 561 | 4 x AM 30 - 30x30 |
| 631 | 4 x AM 40 - 40x30 |
| 711 | 4 x AM 50 - 50x40 |
| 801 | 4 x AM 75 - 75x50 |
| 901 | 4 x AM 75 - 75x50 |
| 1001 | 4 x AZ 39 - 140x39 |

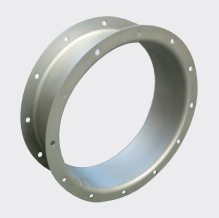



| Tipo | Carga para 4 soportes (kg) | d | h | Ø | l | Peso (kg) |
|---|---|---|---|---|---|---|
| AM 25 | 41÷80 | 25 | 20 | M6 | 18 | 0,03 |
| AM 30 | 81÷140 | 30 | 30 | M8 | 20 | 0,05 |
| AM 40 | 141÷224 | 40 | 30 | M8 | 23 | 0,10 |
| AM 50 | 225÷315 | 50 | 40 | M10 | 28 | 0,20 |
| AM 75 | 316÷630 | 75 | 50 | M12 | 37 | 0,50 |

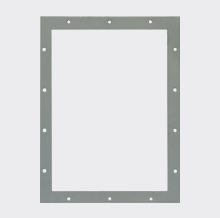



| Tipo | Carga para 4 soportes (kg) | Peso (kg) |
|---|---|---|
| AZ 39 | 631÷1250 | 0,7 |

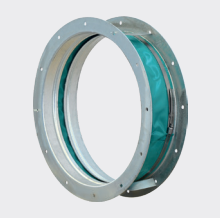
## ACCESORIOS



**CA (CFH1) - CFH2 - CFH3**
Contrabrida - Brida plana circular.



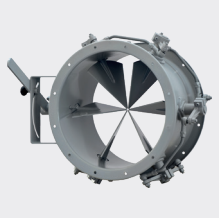
**CP**
Brida plana rectangular.



**GA**
Junta flexible aspiración.



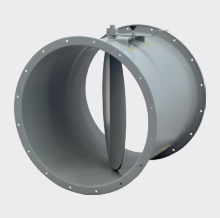
**GP**
Junta flexible descarga.



**DP**
Regulador de caudal de aspiración.



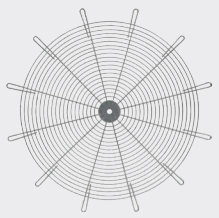
**SAD**
Compuerta de regulación de caudal de descarga.



**SF**
Vávula mariposa.



**DF**
Filtro en la aspiración.



**RC**
Rejilla de protección para la aspiración.



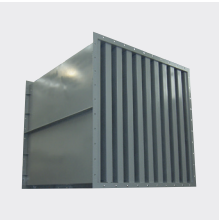
**AM/AZ**
Soportes antivibratorios.



**SCSO**
Silenciador cilíndrico.



**SCCO**
Silenciador cilíndrico con bulbo.



**SASS**
Silenciador rectangular.



**CI**
Cabina de insonorización.

Ver información completa en página **772**.

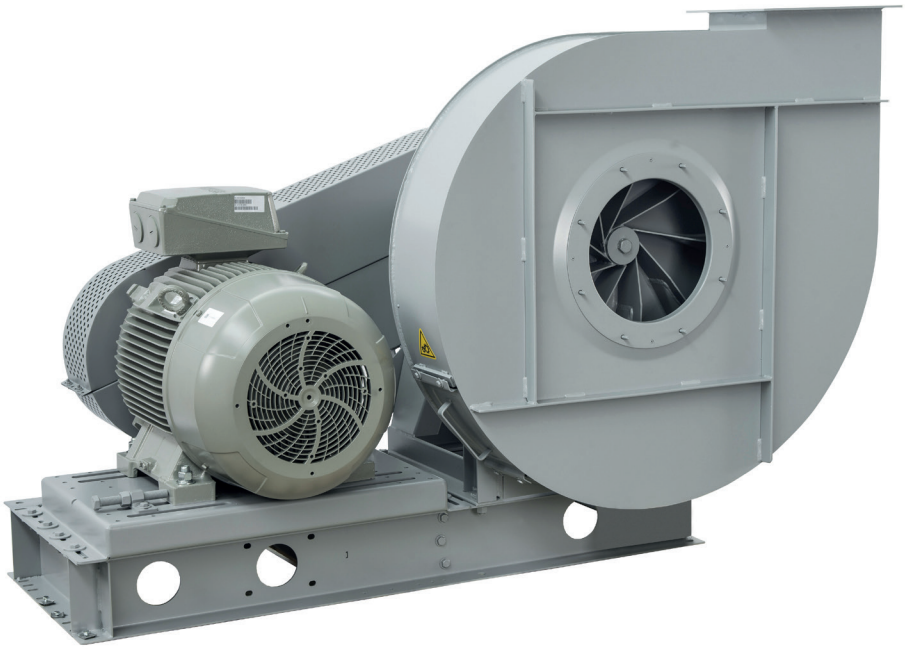
# KB

## VENTILADORES CENTRÍFUGOS PARA TRANSPORTE DE MATERIA

*TRANSMISIÓN*



Ventilador centrífugo con accionamiento por poleas y correas y simple aspiración. Fabricados en chapa de acero protegida contra la corrosión mediante tratamiento por cataforesis + pintura poliuretana. Temperaturas del aire a transportar -20ºC/+100ºC en continuo.



APLICACIONES

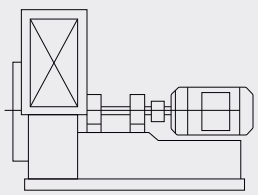
**Aire a transportar**
Transporte de material y neumático

**Cantidad de polvo (mg/m³)**
<50000



Rodete de álabes curvados hacia adelante para transporte de material

**SISTEMA 8:** acoplamiento mediante junta elástica.



Disponible bajo pedido

### Sistemas de montaje

- SISTEMA 1: eje libre, para acoplamiento mediante poleas y correas.
- SISTEMA 9: incluye motor, poleas, correas y protector de correas. Motor montado en el lateral del pie soporte rodamientos.
- SISTEMA 12: incluye motor, poleas, correas y protector de correas. Motor montado sobre la bancada general.

### Motores

De 2, 4 o 6 polos, de alta eficiencia IE 3* (las r.p.m. de cada motor se adaptarán al cálculo de cada transmisión), tensión de alimentación trifásica 230/400V 50Hz hasta tamaño motor 112 y 400/690V 50Hz para motores de mayor dimensión. Protección IP55, Clase F.

* Entre 75 y 200kW, los motores suministrados serán IE4.

### Bajo pedido

- Fabricación en diferentes materiales constructivos.
- Motores de 2 velocidades.
- Versiones de 60 Hz.
- Pintura en diferentes RAL.
- Versión para alta temperatura: hasta 300ºC (versiones B: con rodete de refrigeración).
- Trampilla de inspección, purga de drenaje, distintos tipos de estanqueidad a nivel de voluta y de paso de eje.
- Ventiladores estancos.
- Calorifugado.

### Versiones ATEX

Bajo pedido, versiones antiexplosivas según la Directiva ATEX para modelos trifásicos: Para trabajar a temperaturas de -20ºC a +60ºC, presión ambiente (absoluta) de 0,8 bar hasta 1,1 bar, según EN 14986.

- Gas:
  - Ex 3G IIB T2-T3
  - Ex 3G IIB+H2 T2-T3
- Polvo no conductivo:
  - Ex 2D* IIIB T125°C-T135°C-T195°C-T295°C
  - Ex 3D IIIB T125°C-T135°C-T195°C-T295°C
- Polvo conductivo (con motor IP65 IIIC):
  - Ex 2D* IIIC T125°C-T135°C-T195°C-T295°C
  - Ex 3D IIIC T125°C-T135°C-T195°C-T295°C

*Solo para aplicaciones de transporte de pelusas.

## CARACTERÍSTICAS TÉCNICAS

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación.

| Modelo | Caudal máximo ($m^3/h$) | Potencia motor máxima (kW) | Peso (kg)[1] | Momento de inercia ($kg \cdot m^2$)[2] |
|---|---|---|---|---|
| KB 401 P1A | 3.230 | 11,0 | 55 | 0,13 |
| KB 451 P1A | 4.100 | 15,0 | 62 | 0,19 |
| KB 501 P1A | 5.050 | 18,5 | 81 | 0,34 |
| KB 561 P1A | 6.130 | 22,0 | 125 | 0,60 |
| KB 631 P1A | 7.840 | 30,0 | 176 | 1,10 |
| KB 711 P1A | 10.190 | 37,0 | 212 | 1,70 |
| KB 801 P1A | 12.920 | 45,0 | 287 | 3,20 |
| KB 901 P1A | 16.100 | 55,0 | 437 | 5,50 |
| KB 1001 P1A | 20.080 | 75,0 | 504 | 8,80 |

[1] Para ejecución 1 y orientación LG270 o RD270
[2] Momento de inercia del rodete

SOPORTES SISTEMA 1

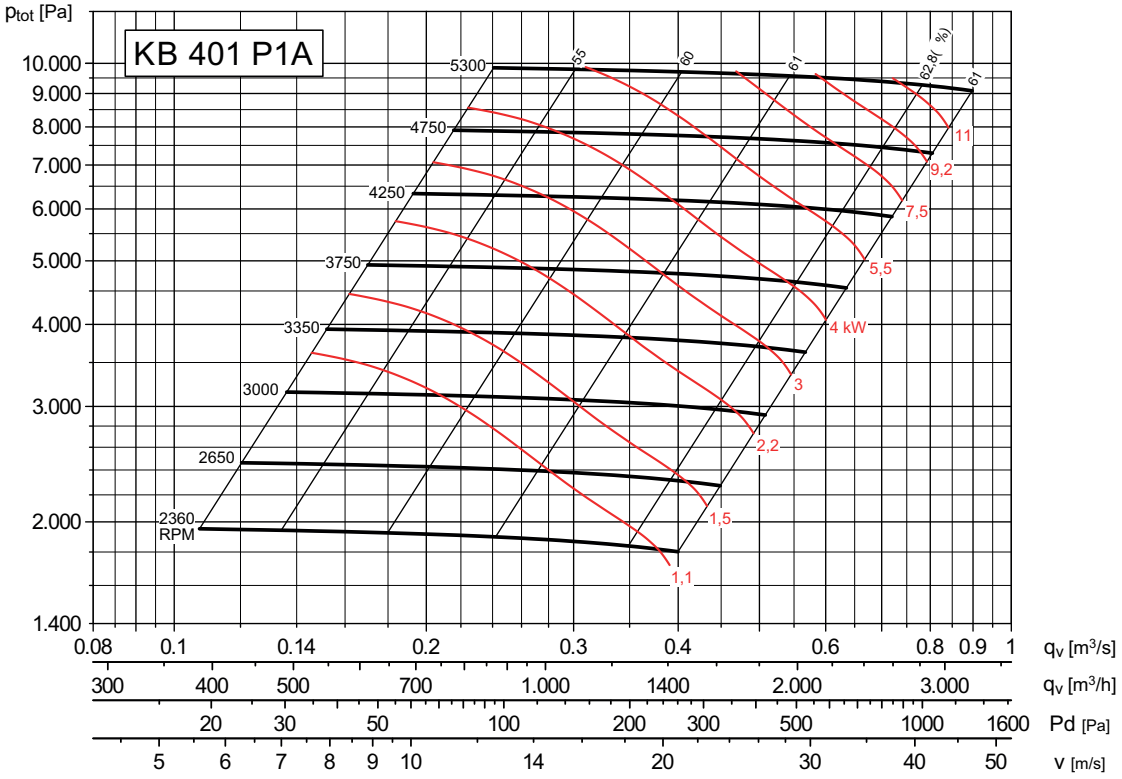
| Modelo | 401 | 451-501 | 561 | 631 | 711 | 801 | 901 | 1001 |
|---|---|---|---|---|---|---|---|---|
| Soporte tipo | ST 80 A28 | ST 90 A38 | ST 100 A42 | ST 110 B48 | ST 120 B48 | ST 130 B55 | ST 150 B65 | ST 180 B80 |

MOTORES SISTEMA 9

| Modelo | 401-501 | 561-631 | 711-801 | 901-1001 |
|---|---|---|---|---|
| Tamaño motor | ≤ 132 M2 | ≤ 160 L2 | ≤ 180 L2-4 | ≤ 200 L2-4 |

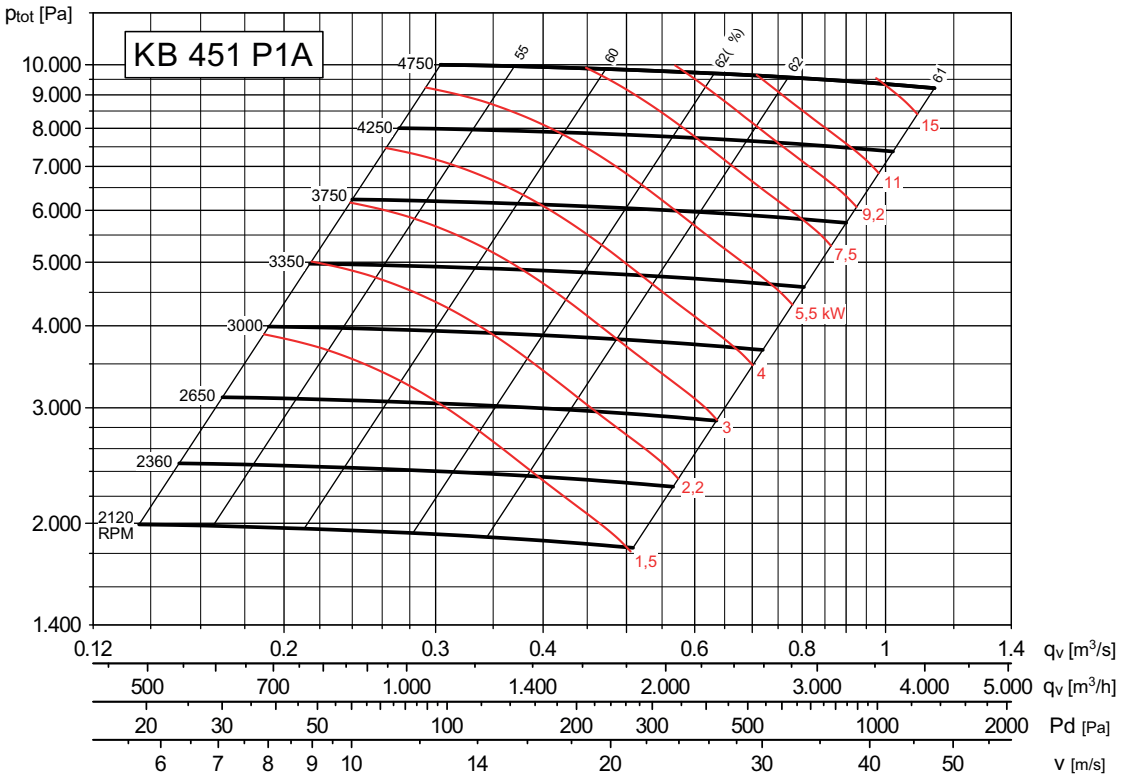
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 5300 rpm
101 ÷ 220°C = 4750 rpm

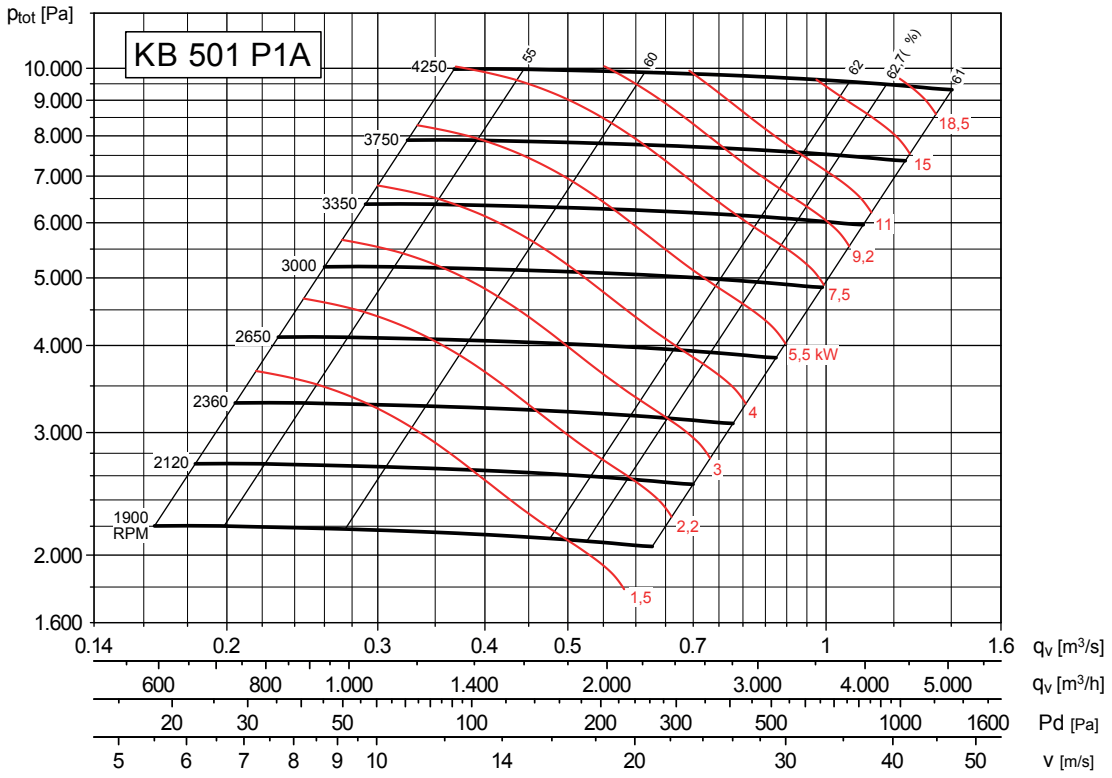



MAX. RPM

≤ 100°C= 4750 rpm
101 ÷ 220°C = 4250 rpm

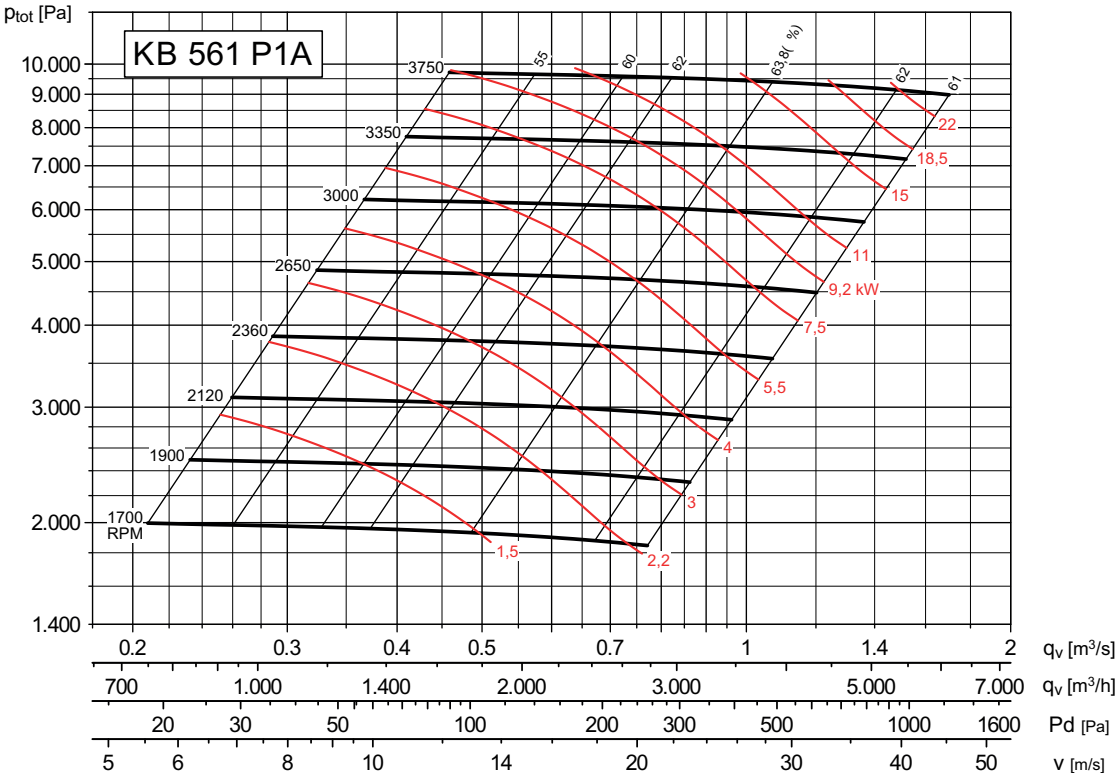
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 4250 rpm
101 ÷ 220°C = 3750 rpm

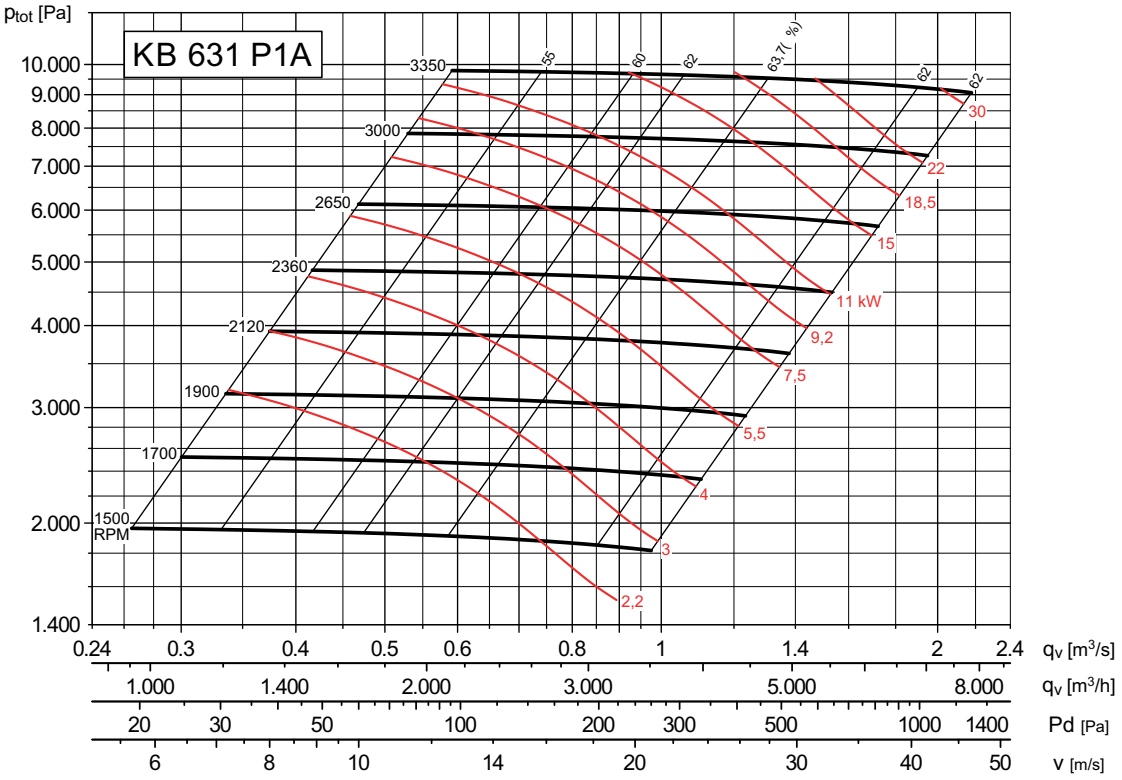



MAX. RPM

≤ 100°C = 3750 rpm
101 ÷ 220°C = 3350 rpm

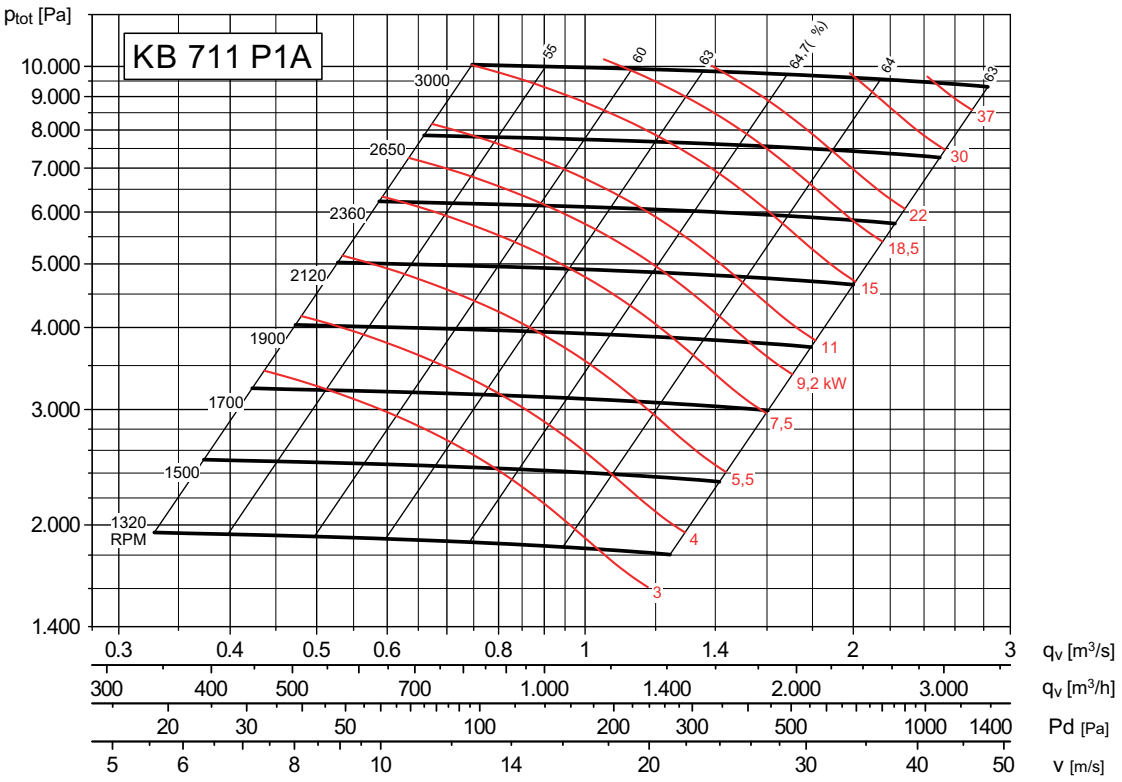
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C= 3350 rpm
101 ÷ 220°C = 3000 rpm

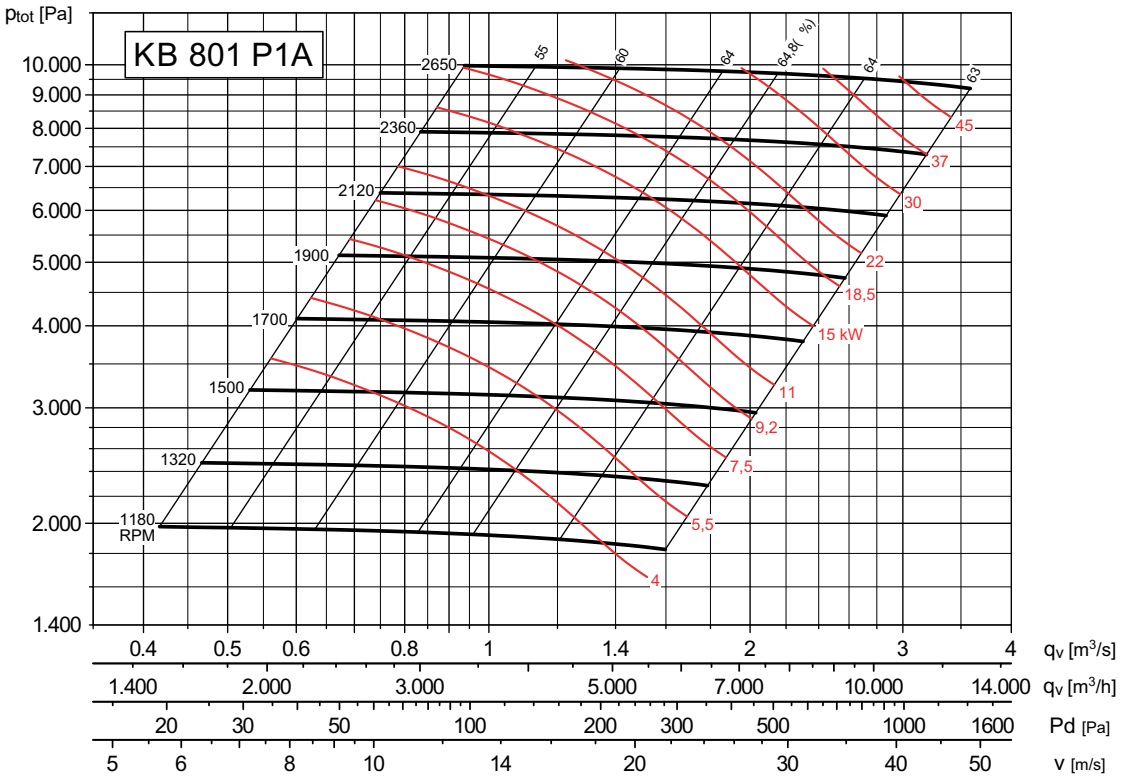



MAX. RPM

≤ 100°C = 3000 rpm
101 ÷ 220°C = 2650 rpm

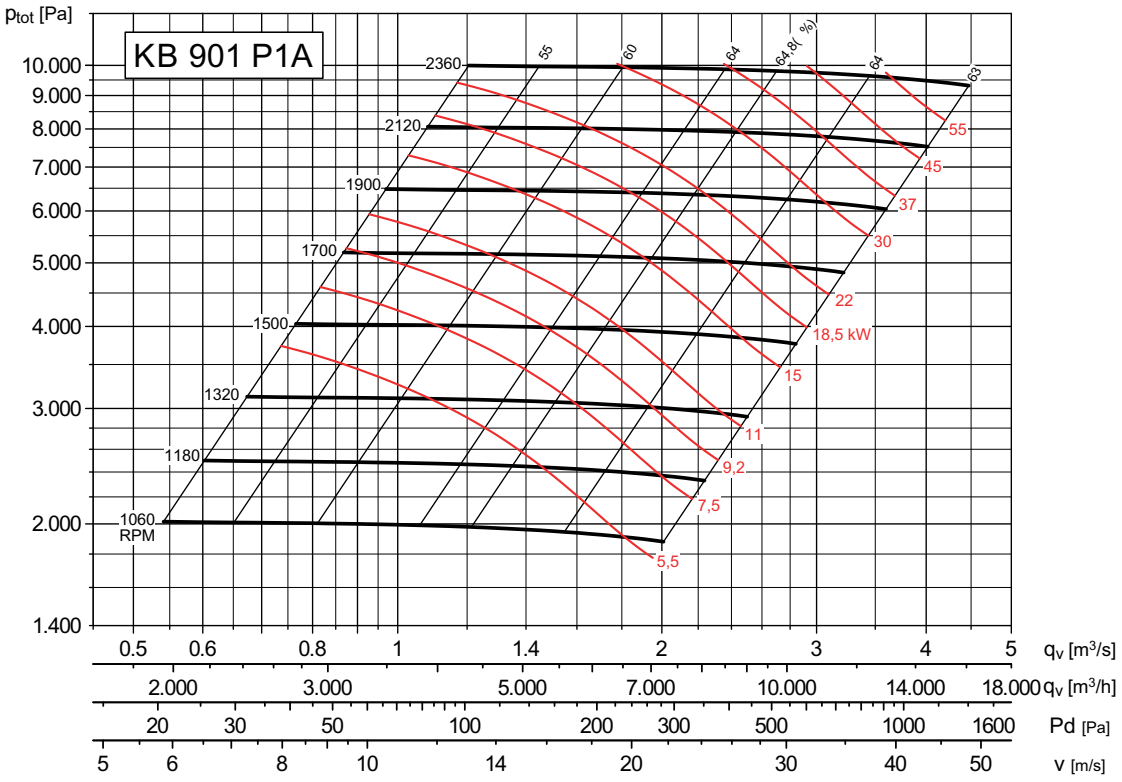
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 2650 rpm
101 ÷ 220°C = 2360 rpm

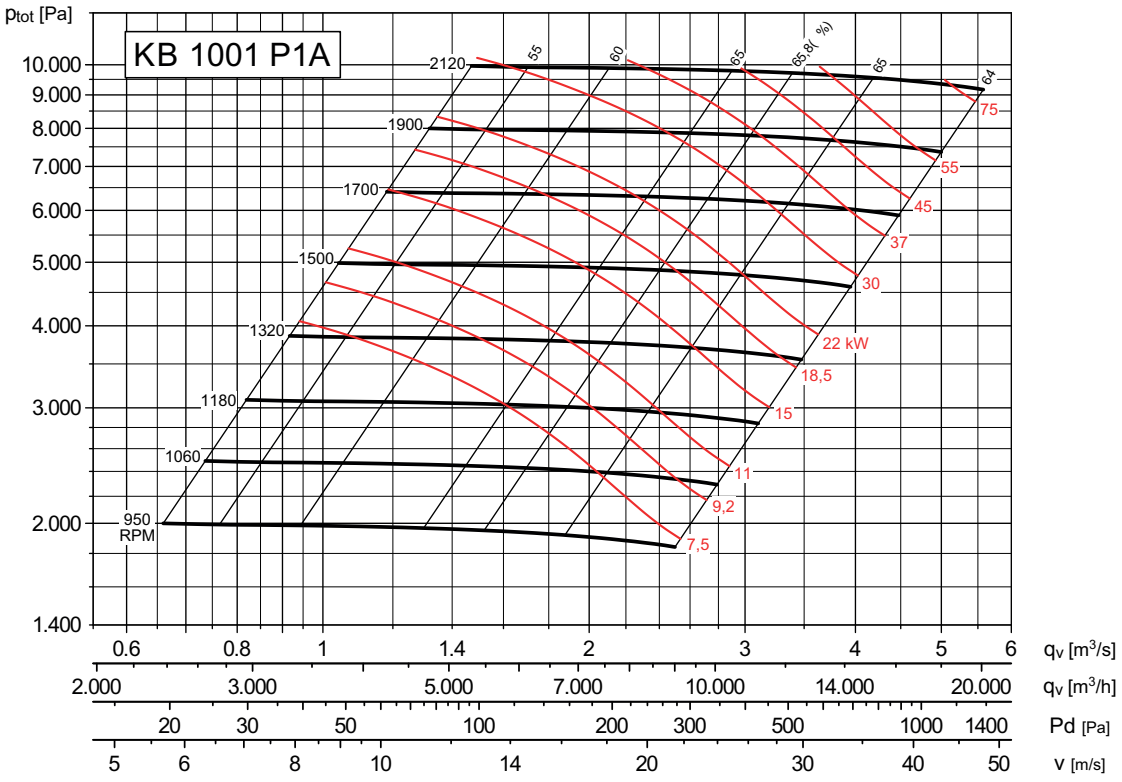



MAX. RPM

≤ 100°C = 2360 rpm
101 ÷ 220°C = 2120 rpm

## CURVAS CARACTERÍSTICAS (a la descarga)

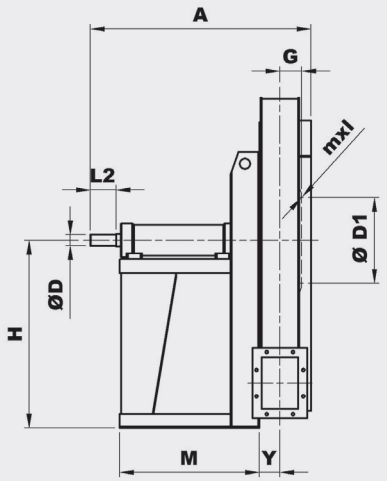
**– Ptot: Presión total en Pa**

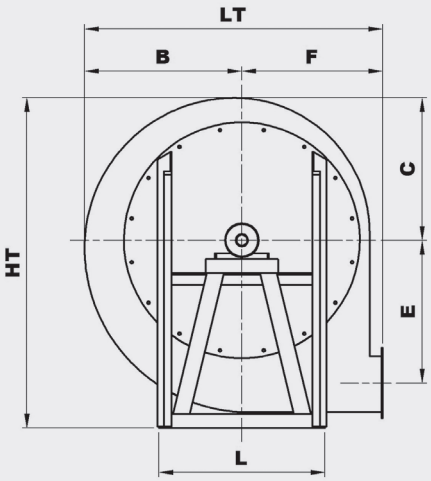


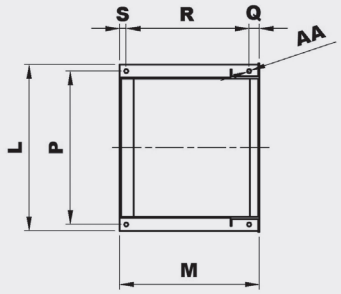

MAX. RPM

≤ 100°C = 2120 rpm
101 ÷ 220°C = 1900 rpm

## DIMENSIONES (mm)



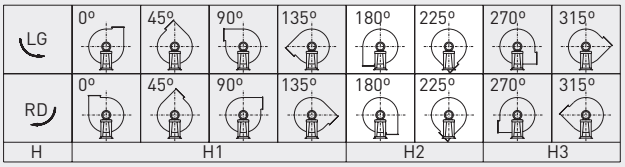




DESCARGA ORIENTABLE

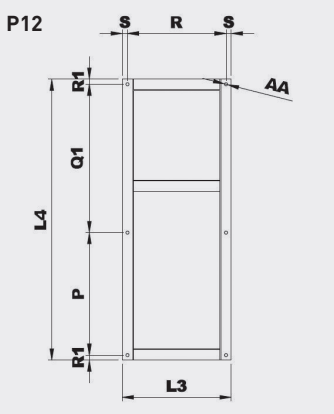
EJECUCIÓN B
Con rodete de refrigeración, contactar con oficina técnica.

ORIENTACIONES




Para estas orientaciones, contactar con oficina técnica

| Modelo | | | | | | | | | | | | | | | | Eje | | Base | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | ØD1 | E | F | G | H | | | HT | mxl | Y | LT | ØD6 | L2 | ØD | L | P | Q | R | S | ØAA |
| | | | | | | | | H1 | H2 | H3 | | | | | | | | | | | | | |
| KB 401 P1A | 710 | 310 | 285 | 219 | 238 | 280 | 67 | 375 | 280 | 375 | 660 | M6x20 | 62 | 590 | 60 | 28 | 400 | 355 | 463 | 23 | 417 | 23 | 14 |
| KB 451 P1A | 725 | 345 | 315 | 241 | 266 | 300 | 74 | 400 | 300 | 400 | 715 | M6x20 | 70 | 645 | 80 | 38 | 400 | 355 | 458 | 23 | 412 | 23 | 14 |
| KB 501 P1A | 740 | 380 | 350 | 265 | 298 | 335 | 83 | 450 | 335 | 450 | 800 | M6x20 | 77 | 715 | 80 | 38 | 400 | 355 | 463 | 23 | 417 | 23 | 14 |
| KB 561 P1A | 870 | 430 | 390 | 292 | 338 | 375 | 92 | 500 | 375 | 500 | 890 | M8x25 | 86 | 805 | 110 | 42 | 418 | 364 | 532 | 28 | 476 | 28 | 17 |
| KB 631 P1A | 885 | 485 | 440 | 332 | 381 | 425 | 101 | 560 | 425 | 560 | 1000 | M8x25 | 97 | 910 | 110 | 48 | 418 | 364 | 535 | 28 | 479 | 28 | 17 |
| KB 711 P1A | 985 | 540 | 490 | 366 | 426 | 475 | 115 | 530 | 475 | 630 | 1120 | M8x25 | 108 | 1015 | 110 | 48 | 606 | 542 | 605 | 33 | 539 | 33 | 19 |
| KB 801 P1A | 1010 | 610 | 550 | 405 | 481 | 530 | 127 | 600 | 530 | 710 | 1260 | M8x25 | 120 | 1140 | 110 | 55 | 646 | 582 | 614 | 33 | 548 | 33 | 19 |
| KB 901 P1A | 1150 | 685 | 620 | 448 | 542 | 600 | 139 | 670 | 600 | 800 | 1420 | M8x25 | 135 | 1285 | 140 | 65 | 762 | 682 | 650 | 39 | 572 | 39 | 21 |
| KB 1001 P1A | 1300 | 760 | 690 | 497 | 607 | 670 | 160 | 750 | 670 | 900 | 1590 | M8x25 | 152 | 1430 | 170 | 80 | 862 | 782 | 710 | 39 | 632 | 39 | 21 |

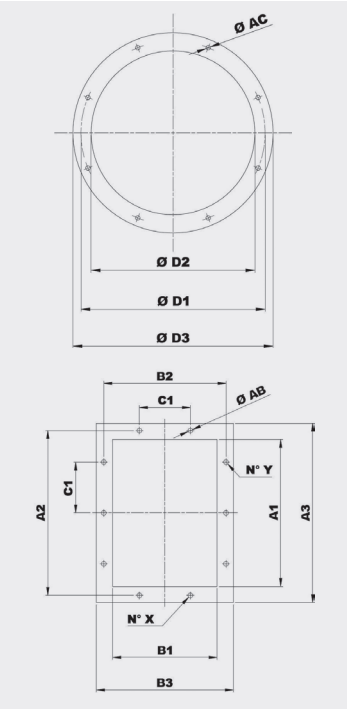



Bancada ejecución 12

| Modelo | P | L3 | L4 | Q1 | R | R1 | S | ØAA | Peso (kg) |
|---|---|---|---|---|---|---|---|---|---|
| 401 P12A | 355 | 463 | 950 | 550 | 417 | 22,5 | 23 | 14 | 19 |
| 451 P12A | 355 | 458 | 1060 | 660 | 412 | 22,5 | 23 | 14 | 20 |
| 501 P12A | 355 | 463 | 1120 | 720 | 417 | 22,5 | 23 | 14 | 21 |
| 561 P12A | 364 | 532 | 1180 | 762 | 476 | 27 | 28 | 17 | 30 |
| 631 P12A | 364 | 535 | 1250 | 832 | 479 | 27 | 28 | 17 | 31 |
| 711 P12A | 542 | 605 | 1500* | 894* | 539 | 32 | 33 | 19 | 44 |
| 801 P12A | 582 | 614 | 1600 | 954 | 548 | 32 | 33 | 19 | 46 |
| 901 P12A | 682 | 650 | 1800 | 1038 | 572 | 40 | 39 | 21 | 73 |
| 1001 P12A | 782 | 710 | 2100 | 1238 | 632 | 40 | 39 | 21 | 107 |

* Para motores de talla 250, esta cota aumenta en 100 mm

## DIMENSIONES (mm)




Brida aspiración

| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 401 | 180 | 184 | 219 | 254 | 8 | 8 |
| 451 | 200 | 204 | 241 | 274 | 8 | 8 |
| 501 | 224 | 228 | 265 | 298 | 8 | 8 |
| 561 | 250 | 254 | 292 | 324 | 10 | 8 |
| 631 | 280 | 285 | 332 | 365 | 10 | 8 |
| 711 | 315 | 320 | 366 | 400 | 10 | 8 |
| 801 | 355 | 360 | 405 | 440 | 10 | 8 |
| 901 | 400 | 405 | 448 | 485 | 10 | 12 |
| 1001 | 450 | 455 | 497 | 535 | 10 | 12 |

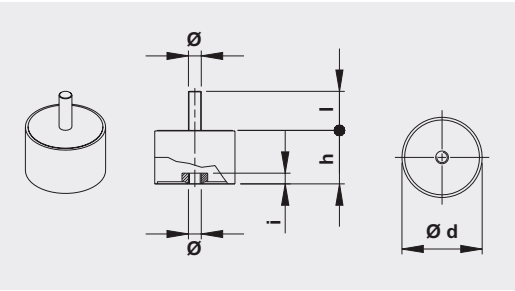
Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 401 | 160x112 | 164 | 117 | 200 | 151 | 234 | 187 | 112 | 12 | 1+1 | 2+2 |
| 451 | 180x125 | 183 | 131 | 219 | 165 | 253 | 201 | 112 | 12 | 1+1 | 2+2 |
| 501 | 200x140 | 205 | 146 | 241 | 182 | 275 | 216 | 112 | 12 | 2+2 | 2+2 |
| 561 | 224x160 | 229 | 164 | 265 | 200 | 299 | 234 | 112 | 12 | 2+2 | 2+2 |
| 631 | 250x180 | 256 | 183 | 292 | 219 | 326 | 253 | 112 | 12 | 2+2 | 3+3 |
| 711 | 280x200 | 288 | 205 | 332 | 249 | 368 | 285 | 125 | 12 | 2+2 | 3+3 |
| 801 | 315x224 | 322 | 229 | 366 | 273 | 402 | 309 | 125 | 12 | 2+2 | 3+3 |
| 901 | 355x250 | 361 | 256 | 405 | 300 | 441 | 336 | 125 | 12 | 2+2 | 3+3 |
| 1001 | 400x280 | 404 | 288 | 448 | 332 | 484 | 368 | 125 | 12 | 3+3 | 4+4 |

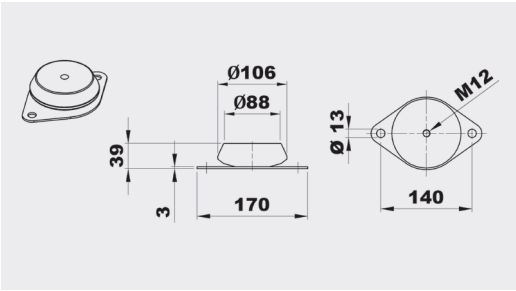
## AMORTIGUADORES

Amortiguadores recomendados

| Ventilador | Ejecución 9 | Ejecución 12 |
|---|---|---|
| 401 | 4 x AM 30 - 30x30 | 4 x AM 40 - 40x30 |
| 451 | 4 x AM 30 - 30x30 | 4 x AM 40 - 40x30 |
| 501 | 4 x AM 40 - 40x30 | 4 x AM 50 - 50x40 |
| 561 | 4 x AM 50 - 50x40 | 4 x AM 50 - 50x40 |
| 631 | 4 x AM 50 - 50x40 | 4 x AM 75 - 75x50 |
| 711 | 4 x AM 75 - 75x50 | 4 x AM 75 - 75x50 |
| 801 | 4 x AM 75 - 75x50 | 4 x AZ 39 - 140x39 |
| 901 | 4 x AZ 39 - 140x39 | 4 x AZ 39 - 140x39 |
| 1001 | 4 x AZ 39 - 140x39 | 4 x AZ 39 - 140x39 |

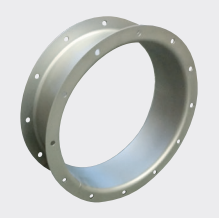



| Tipo | Carga para 4 soportes (kg) | d | h | Ø | l | Peso (kg) |
|---|---|---|---|---|---|---|
| AM 30 | 81÷140 | 30 | 30 | M8 | 20 | 0,05 |
| AM 40 | 141÷224 | 40 | 30 | M8 | 23 | 0,10 |
| AM 50 | 225÷315 | 50 | 40 | M10 | 28 | 0,20 |
| AM 75 | 316÷630 | 75 | 50 | M12 | 37 | 0,50 |

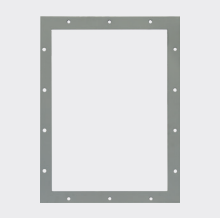



| Tipo | Carga para 4 soportes (kg) | Peso (kg) |
|---|---|---|
| AZ 39 | 631÷1250 | 0,7 |

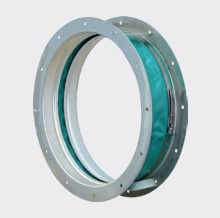
## ACCESORIOS



**CA (CFH1) - CFH2 - CFH3**
Contrabrida - Brida plana circular.



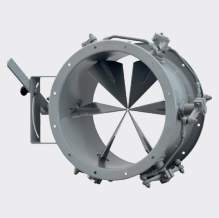
**CP**
Brida plana rectangular.



**GA**
Junta flexible aspiración.



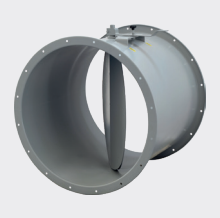
**GP**
Junta flexible descarga.



**DP**
Regulador de caudal de aspiración.



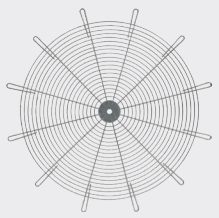
**SAD**
Compuerta de regulación de caudal de descarga.



**SF**
Vávula mariposa.



**DF**
Filtro en la aspiración.



**RC**
Rejilla de protección para la aspiración.



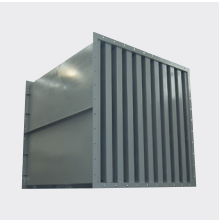
**AM/AZ**
Soportes antivibratorios.



**SCSO**
Silenciador cilíndrico.



**SCCO**
Silenciador cilíndrico con bulbo.



**SASS**
Silenciador rectangular.



**CI**
Cabina de insonorización.

Ver información completa en página **772**.

# KC

## VENTILADORES CENTRÍFUGOS PARA TRANSPORTE DE MATERIA

*ACOPLAMIENTO DIRECTO*



Ventilador centrífugo de acoplamiento directo y simple aspiración. Fabricados en chapa de acero protegida contra la corrosión mediante tratamiento por cataforesis + pintura poliuretana. Temperaturas del aire a transportar -20ºC/+100ºC en continuo.

APLICACIONES

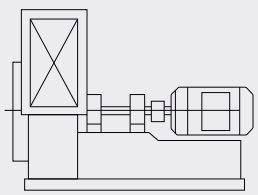
**Aire a transportar**
Transporte de material y neumático

**Cantidad de polvo (mg/m$^3$)**
<50000



Rodete de álabes radiales

**SISTEMA 8:** acoplamiento mediante junta elástica.



Disponible bajo pedido

### Motores

De 2 o 4 polos, de alta eficiencia IE 3*, tensión de alimentación trifásica 230/400V 50Hz hasta tamaño motor 112 y 400/690V 50Hz para motores de mayor dimensión.
Protección IP55, Clase F.

* Entre 75 y 200kW, los motores suministrados serán IE4.

### Bajo pedido

- Fabricación en diferentes materiales constructivos.
- Motores de 2 velocidades.
- Versiones de 60 Hz.
- Pintura en diferentes RAL.
- Versión sin pie soporte (Motor-Brida, Sistema 5), hasta tamaño de motor 160.
- Versión para alta temperatura: hasta 220ºC (versiones B: con rodete de refrigeración).
- SISTEMA 8: acoplamiento mediante junta elástica.
- Trampilla de inspección, purga de drenaje, distintos tipos de estanqueidad a nivel de voluta y de paso de eje.
- Ventiladores estancos.
- Calorifugado.

### Versiones ATEX

Bajo pedido, versiones antiexplosivas según la Directiva ATEX para modelos trifásicos: Para trabajar a temperaturas de -20ºC a +60ºC, presión ambiente (absoluta) de 0,8 bar hasta 1,1 bar, según EN 14986.

- Gas:
  Ex 3G IIB T2-T3-T4
  Ex 3G IIB+H2 T2-T3-T4
- Polvo no conductivo:
  Ex 2D* IIIB T125°C-T135°C-T195°C-T295°C
  Ex 3D IIIB T125°C-T135°C-T195°C-T295°C
- Polvo conductivo (con motor IP65 IIIC):
  Ex 2D* IIIC T125°C-T135°C-T195°C-T295°C
  Ex 3D IIIC T125°C-T135°C-T195°C-T295°C

* Solo para aplicaciones de transporte de pelusas.

## CARACTERÍSTICAS TÉCNICAS

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación

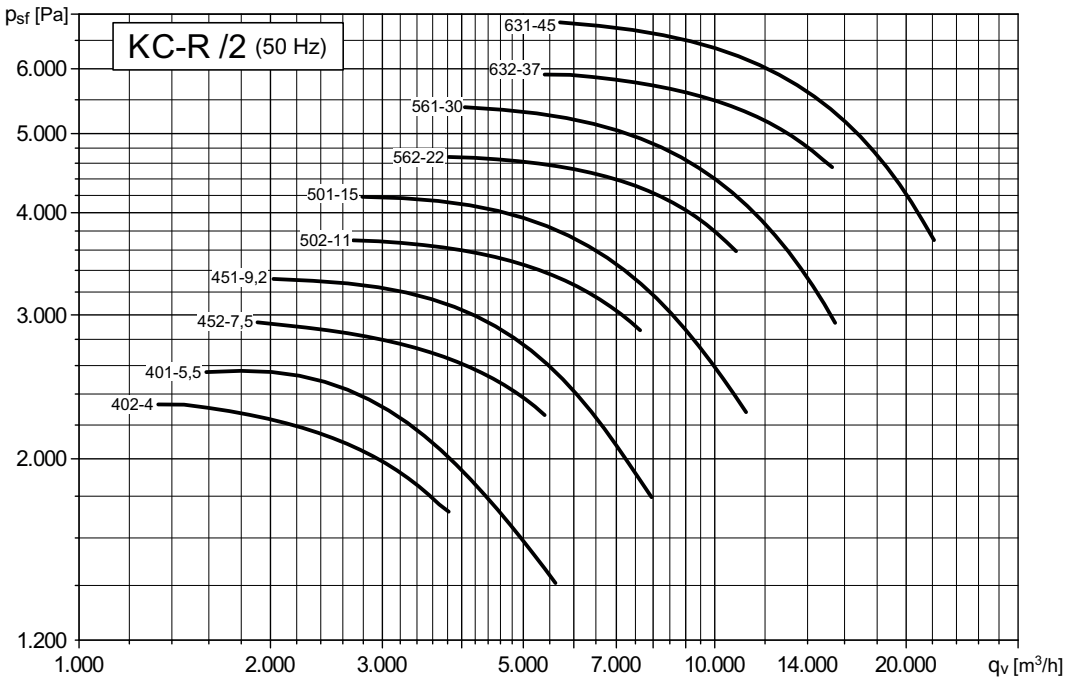
| Modelo | Tamaño motor | Velocidad (r.p.m.) | Potencia motor (kW) | Intensidad motor 400V (A) | Caudal máximo ($m^3/h$) | Nivel presión sonora a 1 m (dB(A))[1] | Peso (kg)[2] | Momento de inercia ($kg \cdot m^2$)[3] |
|---|---|---|---|---|---|---|---|---|
| 2 POLOS | | | | | | | | |
| KC 402/2 R4A | 112M2 | 2910 | 4,0 | 7,5 | 3.820 | 82 | 84 | 0,13 |
| KC 401/2 R4A | 132SA2 | 2890 | 5,5 | 10,1 | 5.610 | 85 | 94 | 0,16 |
| KC 452/2 R4A | 132SB2 | 2890 | 7,5 | 13,9 | 5.400 | 86 | 120 | 0,25 |
| KC 451/2 R4A | 132MB2 | 2900 | 9,2 | 16,6 | 7.950 | 87 | 140 | 0,30 |
| KC 502/2 R4A | 160MR2 | 2930 | 11,0 | 18,7 | 7.630 | 89 | 200 | 0,43 |
| KC 501/2 R4A | 160M2 | 2935 | 15,0 | 25,4 | 11.200 | 90 | 210 | 0,53 |
| KC 562/2 R4A | 180M2 | 2960 | 22,0 | 39,0 | 10.800 | 93 | 290 | 0,65 |
| KC 561/2 R4A | 200LR2 | 2960 | 30,0 | 53,5 | 15.460 | 94 | 350 | 0,83 |
| KC 632/2 R4A | 200L2 | 2860 | 37,0 | 65,6 | 15.300 | 97 | 372 | 1,30 |
| KC 631/2 R4A | 225M2 | 2960 | 45,0 | 77,6 | 22.120 | 98 | 412 | 1,63 |
| 4 POLOS | | | | | | | | |
| KC 712/4 R4A | 132MA4 | 1450 | 7,5 | 13,9 | 10.800 | 79 | 242 | 2,25 |
| KC 711/4 R4A | 132MB4 | 1450 | 9,2 | 17,4 | 15.610 | 80 | 267 | 2,75 |
| KC 802/4 R4A | 160L4 | 1450 | 15,0 | 28,4 | 15.300 | 84 | 385 | 3,90 |
| KC 801/4 R4A | 180M4 | 1470 | 18,5 | 34,9 | 22.760 | 85 | 440 | 4,80 |
| KC 902/4 R4A | 200L4 | 1470 | 30,0 | 54,6 | 21.600 | 88 | 530 | 7,70 |
| KC 901/4 R4A | 225S4 | 1475 | 37,0 | 65,6 | 33.730 | 89 | 600 | 9,10 |
| KC 1002/4 R4A | 225M4 | 1475 | 45,0 | 79,4 | 30.600 | 91 | 690 | 12,30 |
| KC 1001/4 R4A | 250M4 | 1475 | 55,0 | 96,9 | 46.910 | 92 | 800 | 15,00 |

1 Entubado en la descarga
Tolerancia del nivel de ruido de +3dB/A, medido en el punto de máxima eficiencia
2 Con motor incluido y para orientación LG270 o RD270
3 Momento de inercia del rodete

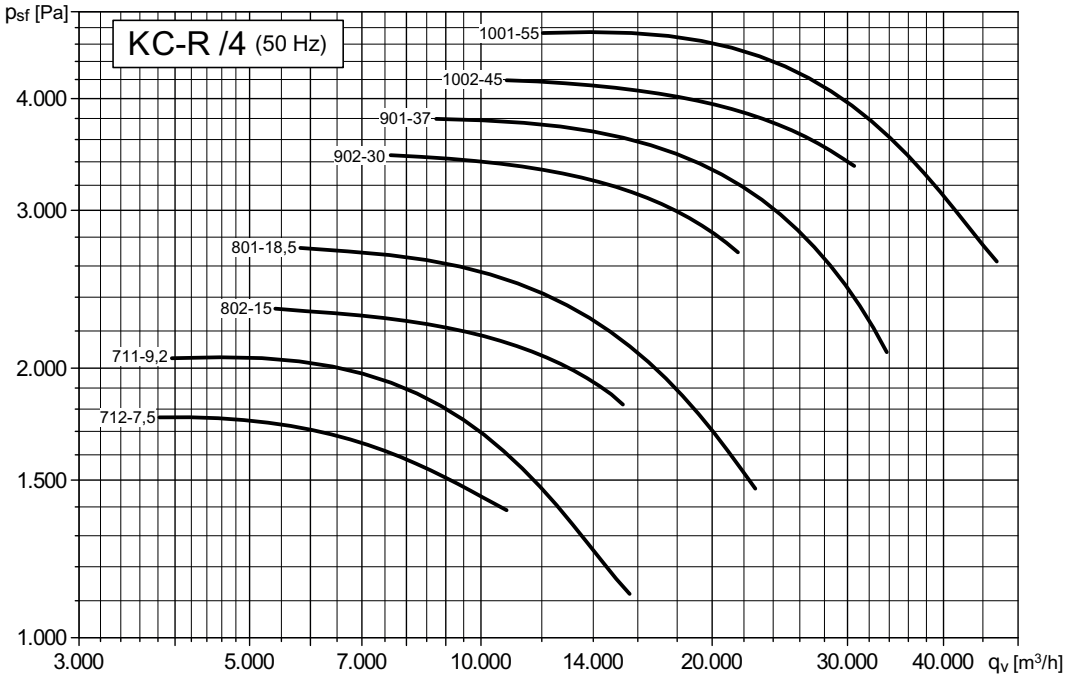
## CURVAS CARACTERÍSTICAS (a la descarga)

- Ventiladores ensayados con la aspiración y la descarga entubadas
- **Psf: Presión estática en Pa**
- Modelo - Potencia motor en kW
- Ejemplo: 561 - 30
  Modelo - kW

2 polos - Modelos desde 401 hasta 631

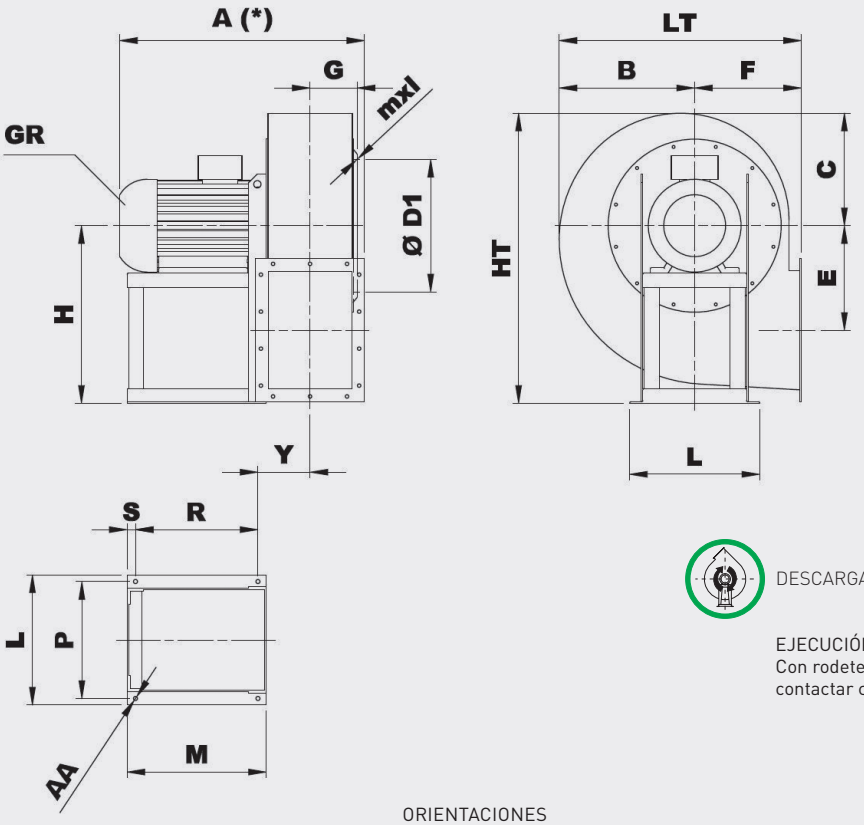



4 polos - Modelos desde 711 hasta 1001



## DIMENSIONES (mm)

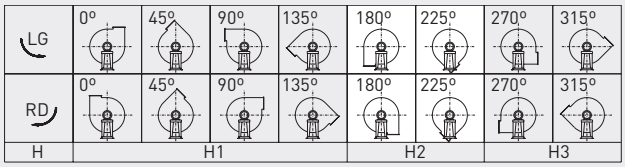
Modelos desde 401 hasta 501




DESCARGA ORIENTABLE

EJECUCIÓN B
Con rodete de refrigeración, contactar con oficina técnica.

ORIENTACIONES



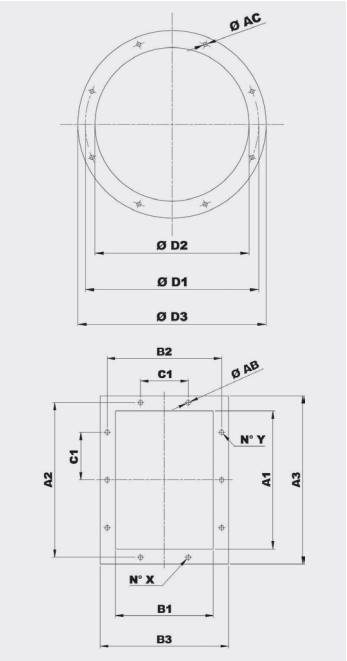

Para los ventiladores con orientaciones 180º y 225º, contactar con oficina técnica

| Modelo | | | | | | | | | | | | | | | Base | | | | | | Ejecución 4B [1] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Motor GR | A* | B | C | ØD1 | E | F | G | H | | | HT | LT | mxl | Y | L | P | M | R | S | ØAA | A | Y | R | M |
| | | | | | | | | | H1 | H2 | H3 | | | | | | | | | | | | | | |
| KC 401/2 R4A | 132SA2 | 570 | 375 | 330 | 292 | 319 | 285 | 104 | 500 | 285 | 500 | 830 | 660 | M8x20 | 118 | 372 | 337 | 360 | 314 | 23 | 12 | 650 | 118 | 314 | 360 |
| KC 402/2 R4A | 112M2 | 540 | 375 | 330 | 292 | 319 | 285 | 104 | 500 | 285 | 500 | 830 | 660 | M8x20 | 118 | 324 | 289 | 310 | 264 | 23 | 12 | 601 | 118 | 264 | 310 |
| KC 451/2 R4A | 132MB2 | 600 | 435 | 370 | 332 | 357 | 320 | 111 | 560 | 320 | 560 | 930 | 755 | M8x20 | 130 | 372 | 337 | 360 | 314 | 23 | 12 | 678 | 130 | 314 | 360 |
| KC 452/2 R4A | 132SB2 | 600 | 435 | 370 | 332 | 357 | 320 | 111 | 560 | 320 | 560 | 930 | 755 | M8x20 | 130 | 372 | 337 | 360 | 314 | 23 | 12 | 678 | 130 | 314 | 360 |
| KC 501/2 R4A | 160M2 | 750 | 470 | 410 | 366 | 395 | 360 | 125 | 600 | 360 | 600 | 1010 | 830 | M8x20 | 147 | 440 | 395 | 470 | 414 | 28 | 14 | 807 | 147 | 414 | 470 |
| KC 502/2 R4A | 160MR2 | 750 | 470 | 410 | 366 | 395 | 360 | 125 | 600 | 360 | 600 | 1010 | 830 | M8x20 | 147 | 440 | 395 | 470 | 414 | 28 | 14 | 807 | 147 | 414 | 470 |

1 Con rodete de refrigeración
* Según tamaño motor

## DIMENSIONES (mm)

Modelos desde 401 hasta 501




Brida aspiración

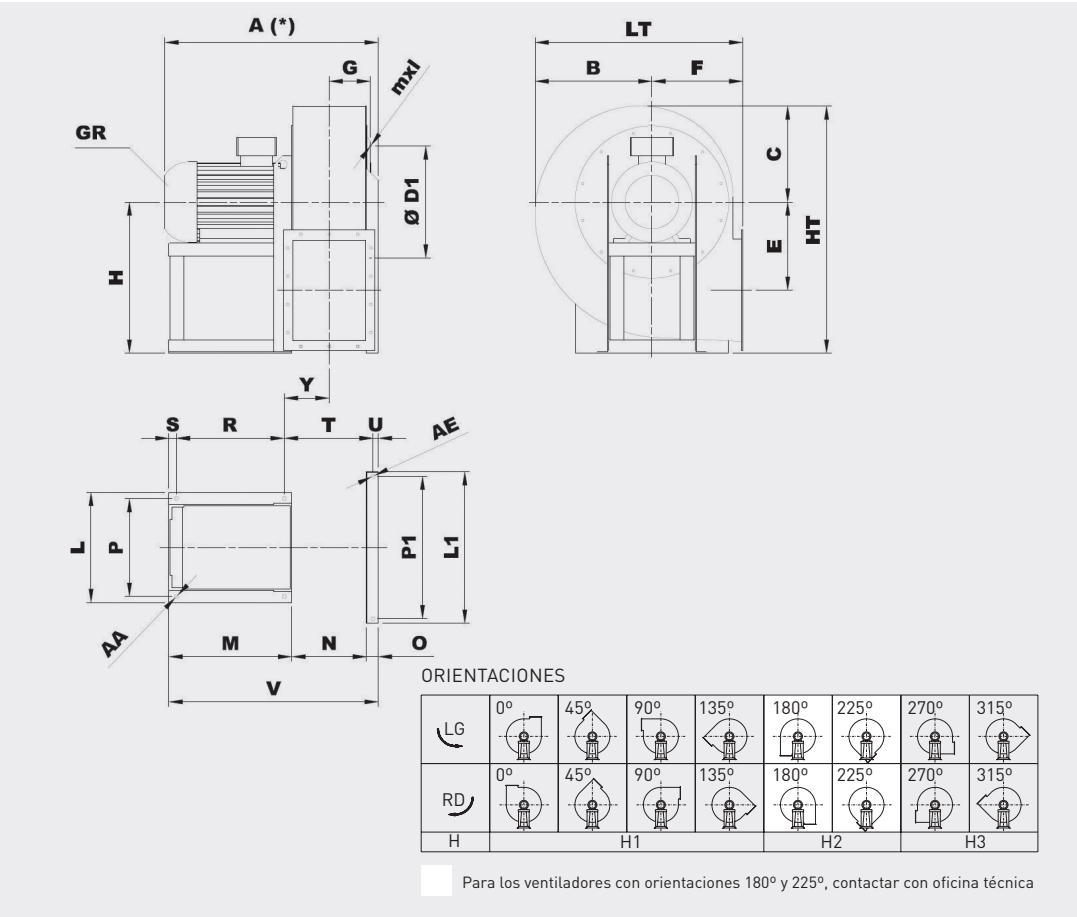
| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 401 | 250 | 292 | 254 | 324 | 10 | 8 |
| 451 | 280 | 332 | 285 | 365 | 10 | 8 |
| 501 | 315 | 366 | 320 | 400 | 10 | 8 |

Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 401 | 250x180 | 256 | 183 | 292 | 219 | 326 | 253 | 112 | 12 | 2+2 | 3+3 |
| 451 | 280x200 | 288 | 205 | 332 | 249 | 368 | 285 | 125 | 12 | 2+2 | 3+3 |
| 501 | 315x224 | 322 | 229 | 366 | 273 | 402 | 309 | 125 | 12 | 2+2 | 3+3 |

## DIMENSIONES (mm)

Modelos desde 561 hasta 631




ORIENTACIONES



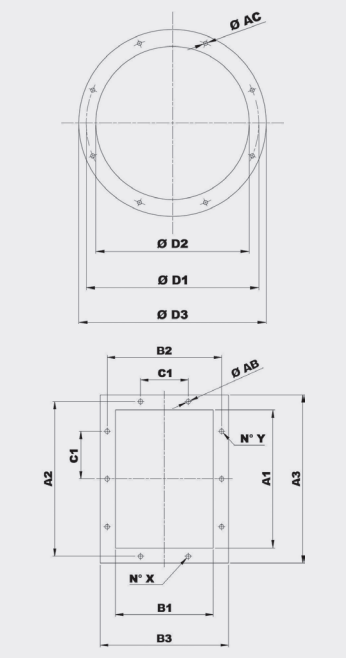

Para los ventiladores con orientaciones 180º y 225º, contactar con oficina técnica

| Modelo | Motor GR | A* | B | C | ØD1 | E | F | G | H | | | HT | LT | mxl | Y | Base | | | | | | | | | | | | Ejecución 4B [1] | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | H1 | H2 | H3 | | | | | L | P | L1 | P1 | M | N | O | R | S | T | U | V | ØAA | ØAE | A | Y | Q | R | M | T | V |
| KC 561/2 R4A | 200LR2 | 1000 | 550 | 455 | 405 | 437 | 400 | 143 | 670 | 400 | 670 | 1125 | 950 | M8x20 | 212 | 568 | 506 | 672 | 632 | 500 | 263 | 52 | 381 | 39 | 372 | 23 | 815 | 19 | 17 | 1022 | 271 | 152 | 381 | 555 | 427 | 870 |
| KC 562/2 R4A | 180M2 | 960 | 550 | 455 | 405 | 437 | 400 | 143 | 670 | 400 | 670 | 1125 | 950 | M8x20 | 165 | 488 | 434 | 672 | 632 | 540 | 263 | 52 | 474 | 33 | 325 | 23 | 855 | 17 | 17 | 960 | 165 | – | 474 | 540 | 325 | 855 |
| KC 631/2 R4A | 225M2 | 1090 | 615 | 515 | 448 | 493 | 450 | 164 | 750 | 450 | 750 | 1265 | 1065 | M8x20 | 229 | 616 | 556 | 762 | 702 | 540 | 296 | 52 | 421 | 39 | 405 | 23 | 888 | 19 | 17 | 1145 | 229 | – | 513 | 632 | 410 | 985 |
| KC 632/2 R4A | 200L2 | 1030 | 615 | 515 | 448 | 493 | 450 | 164 | 750 | 450 | 750 | 1265 | 1065 | M8x20 | 229 | 568 | 506 | 762 | 702 | 500 | 296 | 52 | 381 | 39 | 405 | 23 | 848 | 19 | 17 | 1102 | 283 | 152 | 381 | 555 | 460 | 903 |

[1] Con rodete de refrigeración
* Según tamaño motor

## DIMENSIONES (mm)

Modelos desde 561 hasta 631




Brida aspiración

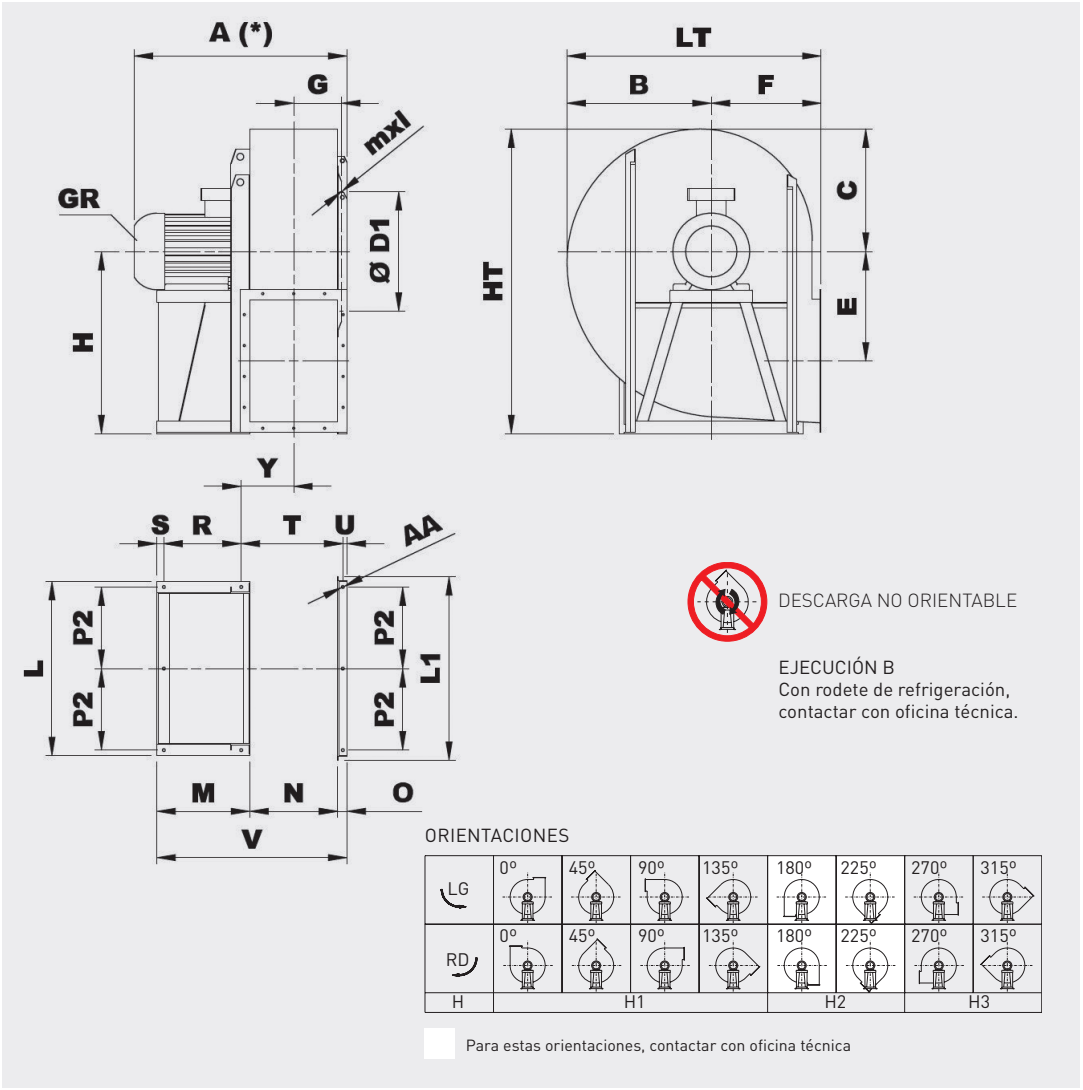
| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 561 | 355 | 405 | 360 | 440 | 10 | 8 |
| 631 | 400 | 448 | 405 | 485 | 10 | 12 |

Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 561 | 355x250 | 361 | 256 | 405 | 300 | 441 | 336 | 125 | 12 | 2+2 | 3+3 |
| 631 | 400x280 | 404 | 288 | 448 | 332 | 484 | 368 | 125 | 12 | 3+3 | 4+4 |

## DIMENSIONES (mm)

Modelos desde 711 hasta 1001




DESCARGA NO ORIENTABLE

EJECUCIÓN B
Con rodete de refrigeración, contactar con oficina técnica.

ORIENTACIONES



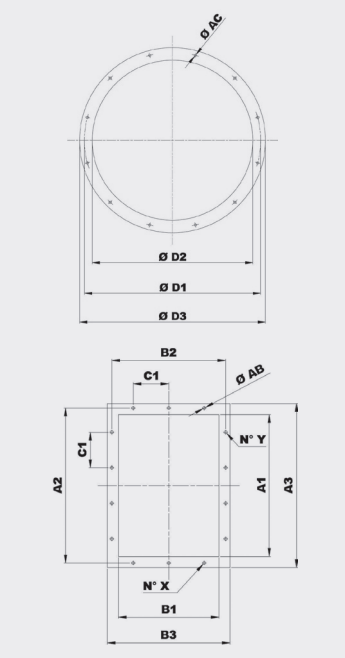

Para estas orientaciones, contactar con oficina técnica

| Modelo | | | | | | | | | | | | | | | | Base | | | | | | | | | | | Ejecución 4B [1] | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Motor GR | A* | B | C | ØD1 | E | F | G | H | | | HT | LT | mxl | Y | L | L1 | M | N | O | P2 | R | S | T | U | V | ØAA | A | Y | R | M | T | V |
| | | | | | | | | | H1 | H2 | H3 | | | | | | | | | | | | | | | | | | | | | | |
| KC 711/4 R4A | 132MB4 | 750 | 730 | 565 | 497 | 558 | 500 | 181 | 670 | 500 | 850 | 1415 | 1230 | M8x20 | 221 | 836 | 896 | 362 | 322 | 60 | 386 | 263 | 39 | 415 | 27 | 744 | 19 | 805 | 221 | 263 | 362 | 415 | 744 |
| KC 712/4 R4A | 132MA4 | 750 | 730 | 565 | 497 | 558 | 500 | 181 | 670 | 560 | 850 | 1415 | 1230 | M8x20 | 221 | 836 | 896 | 362 | 322 | 60 | 386 | 263 | 39 | 415 | 27 | 744 | 19 | 805 | 221 | 263 | 362 | 415 | 744 |
| KC 801/4 R4A | 180M4 | 960 | 810 | 630 | 551 | 625 | 560 | 200 | 750 | 560 | 950 | 1580 | 1370 | M8x20 | 241 | 926 | 986 | 540 | 361 | 60 | 431 | 441 | 39 | 454 | 27 | 961 | 19 | 1068 | 241 | 441 | 540 | 454 | 961 |
| KC 802/4 R4A | 160L4 | 920 | 810 | 630 | 551 | 625 | 560 | 200 | 750 | 560 | 950 | 1580 | 1370 | M8x20 | 241 | 926 | 986 | 471 | 361 | 60 | 431 | 372 | 39 | 454 | 27 | 892 | 19 | 955 | 241 | 372 | 471 | 454 | 892 |
| KC 901/4 R4A | 225S4 | 1160 | 900 | 705 | 629 | 703 | 630 | 227 | 850 | 630 | 1060 | 1765 | 1530 | M8x20 | 262 | 1026 | 1086 | 540 | 404 | 60 | 481 | 441 | 39 | 497 | 27 | 1004 | 19 | 1260 | 262 | 523 | 622 | 497 | 1086 |
| KC 902/4 R4A | 200L4 | 1080 | 900 | 705 | 629 | 703 | 630 | 227 | 850 | 630 | 1060 | 1765 | 1530 | M8x20 | 262 | 1026 | 1086 | 500 | 404 | 60 | 481 | 401 | 39 | 497 | 27 | 964 | 19 | 1186 | 262 | 456 | 555 | 497 | 1019 |
| KC 1001/4 R4A | 250M4 | 1260 | 965 | 795 | 698 | 791 | 710 | 251 | 950 | 630 | 1180 | 1975 | 1675 | M8x25 | 282 | 1128 | 1188 | 600 | 453 | 60 | 528 | 500 | 45 | 541 | 27 | 1113 | 19 | 1393 | 282 | 590 | 690 | 541 | 1203 |
| KC 1002/4 R4A | 225M4 | 1230 | 965 | 795 | 698 | 791 | 710 | 251 | 950 | 630 | 1180 | 1975 | 1675 | M8x25 | 282 | 1128 | 1188 | 540 | 453 | 60 | 528 | 440 | 45 | 541 | 27 | 1053 | 19 | 1310 | 282 | 520 | 620 | 541 | 1133 |

[1] Con rodete de refrigeración
* Según tamaño motor

## DIMENSIONES (mm)

Modelos desde 711 hasta 1001




Brida aspiración

| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 711 | 450 | 497 | 455 | 535 | 10 | 12 |
| 801 | 500 | 551 | 505 | 585 | 10 | 12 |
| 901 | 560 | 629 | 566 | 666 | 10 | 12 |
| 1001 | 630 | 698 | 636 | 736 | 10 | 12 |

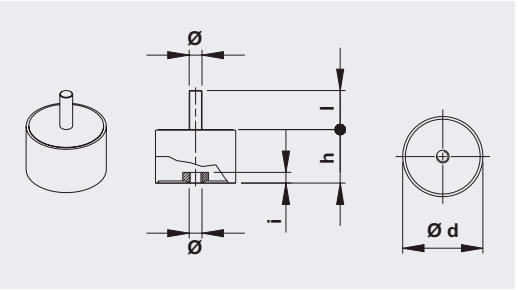
Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 711 | 450x315 | 453 | 322 | 497 | 366 | 533 | 402 | 125 | 12 | 3+3 | 4+4 |
| 801 | 500x355 | 507 | 361 | 551 | 405 | 587 | 441 | 125 | 12 | 3+3 | 4+4 |
| 901 | 560x400 | 569 | 404 | 629 | 464 | 669 | 504 | 160 | 14 | 3+3 | 4+4 |
| 1001 | 630x450 | 638 | 453 | 698 | 513 | 738 | 553 | 160 | 14 | 3+3 | 4+4 |

## AMORTIGUADORES

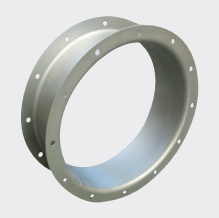
Amortiguadores recomendados

| Ventilador | Ejecución 4 |
|---|---|
| 401/2 | 4 x AM 30 - 30x30 |
| 451/2 | 4 x AM 30 - 30x30 |
| 501/2 | 4 x AM 40 - 40x30 |
| 561/2 | 4 x AM 50 - 50x40 |
| 631/2 | 4 x AM 50 - 50x40 |
| 711/2 | 4 x AM 50 - 50x40 |
| 801/2 | 4 x AM 75 - 75x50 |
| 901/2 | 4 x AM 75 - 75x50 |
| 1001/2 | 6 x AM 75 - 75x50 |

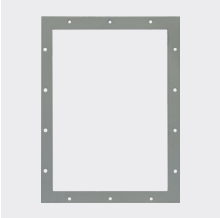



| Tipo | Carga para 4 soportes (kg) | d | h | Ø | l | Peso (kg) |
|---|---|---|---|---|---|---|
| AM 30 | 81÷140 | 30 | 30 | M8 | 20 | 0,05 |
| AM 40 | 141÷224 | 40 | 30 | M8 | 23 | 0,10 |
| AM 50 | 225÷315 | 50 | 40 | M10 | 28 | 0,20 |
| AM 75 | 316÷630 | 75 | 50 | M12 | 37 | 0,50 |

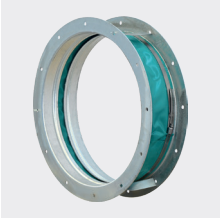
## ACCESORIOS



**CA (CFH1) - CFH2 - CFH3**
Contrabrida - Brida plana circular.



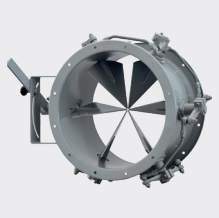
**CP**
Brida plana rectangular.



**GA**
Junta flexible aspiración.



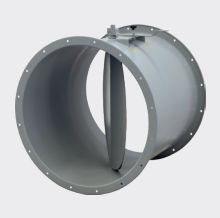
**GP**
Junta flexible descarga.



**DP**
Regulador de caudal de aspiración.



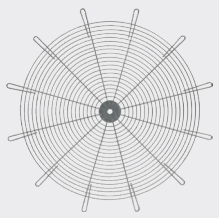
**SAD**
Compuerta de regulación de caudal de descarga.



**SF**
Vávula mariposa.



**DF**
Filtro en la aspiración.



**RC**
Rejilla de protección para la aspiración.



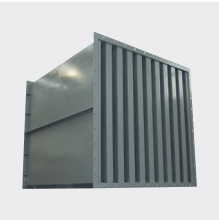
**AM/AZ**
Soportes antivibratorios.



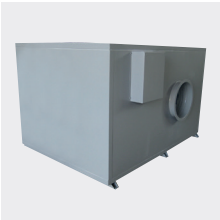
**SCSO**
Silenciador cilíndrico.



**SCCO**
Silenciador cilíndrico con bulbo.



**SASS**
Silenciador rectangular.



**CI**
Cabina de insonorización.

Ver información completa en página **772**.

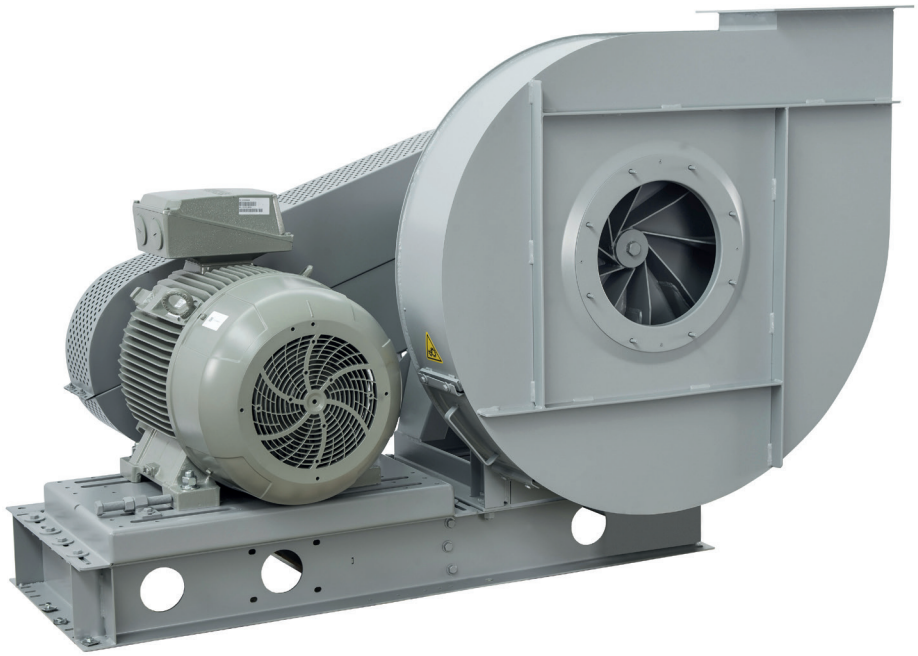
# KC

## VENTILADORES CENTRÍFUGOS PARA TRANSPORTE DE MATERIA

*TRANSMISIÓN*



Ventilador centrífugo con accionamiento por poleas y correas y simple aspiración. Fabricados en chapa de acero protegida contra la corrosión mediante tratamiento por cataforesis + pintura poliuretana. Temperaturas del aire a transportar -20ºC/+100ºC en continuo.



APLICACIONES

**Aire a transportar**
Transporte de material y neumático

**Cantidad de polvo (mg/m³)**
<50000



Rodete de álabes radiales

### Sistemas de montaje

- SISTEMA 1: eje libre, para acoplamiento mediante poleas y correas.
- SISTEMA 9: incluye motor, poleas, correas y protector de correas. Motor montado en el lateral del pie soporte rodamientos.
- SISTEMA 12: incluye motor, poleas, correas y protector de correas. Motor montado sobre la bancada general.

### Motores

De 2, 4 o 6 polos, de alta eficiencia IE 3* (las r.p.m. de cada motor se adaptarán al cálculo de cada transmisión), tensión de alimentación trifásica 230/400V 50Hz hasta tamaño motor 112 y 400/690V 50Hz para motores de mayor dimensión. Protección IP55, Clase F.

* Entre 75 y 200kW, los motores suministrados serán IE4.

### Bajo pedido

- Fabricación en diferentes materiales constructivos.
- Motores de 2 velocidades.
- Versiones de 60 Hz.
- Pintura en diferentes RAL.
- Versión para alta temperatura: hasta 300ºC (versiones B: con rodete de refrigeración).
- Trampilla de inspección, purga de drenaje, distintos tipos de estanqueidad a nivel de voluta y de paso de eje.
- Ventiladores estancos.
- Calorifugado.

### Versiones ATEX

Bajo pedido, versiones antiexplosivas según la Directiva ATEX para modelos trifásicos:
Para trabajar a temperaturas de -20ºC a +60ºC, presión ambiente (absoluta) de 0,8 bar hasta 1,1 bar, según EN 14986.

- Gas:
  - Ex 3G IIB T2-T3-T4
  - Ex 3G IIB+H2 T2-T3-T4
- Polvo no conductivo:
  - Ex 2D* IIIB T195°C-T295°C
  - Ex 3D IIIB T195°C-T295°C
- Polvo conductivo (con motor IP65 IIIC):
  - Ex 2D* IIIC T195°C-T295°C
  - Ex 3D IIIC T195°C-T295°C

*Solo para aplicaciones de transporte de pelusas.

## CARACTERÍSTICAS TÉCNICAS

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación.

| Modelo | Caudal máximo ($m^3/h$) | Potencia motor máxima (kW) | Peso (kg)[1] | Momento de inercia ($kg \cdot m^2$)[2] |
|---|---|---|---|---|
| KC 401 R1A | 8.260 | 15,0 | 74 | 0,16 |
| KC 451 R1A | 10.290 | 18,5 | 89 | 0,30 |
| KC 501 R1A | 12.780 | 22,0 | 130 | 0,52 |
| KC 561 R1A | 15.670 | 30,0 | 168 | 0,83 |
| KC 631 R1A | 19.800 | 37,0 | 200 | 1,62 |
| KC 711 R1A | 25.410 | 45,0 | 260 | 2,75 |
| KC 801 R1A | 32.820 | 55,0 | 320 | 4,80 |
| KC 901 R1A | 43.450 | 75,0 | 385 | 9,10 |
| KC 1001 R1A | 54.060 | 90,0 | 500 | 15,00 |

[1] Para ejecución 1 y orientación LG270 o RD270
[2] Momento de inercia del rodete

SOPORTES SISTEMA 1

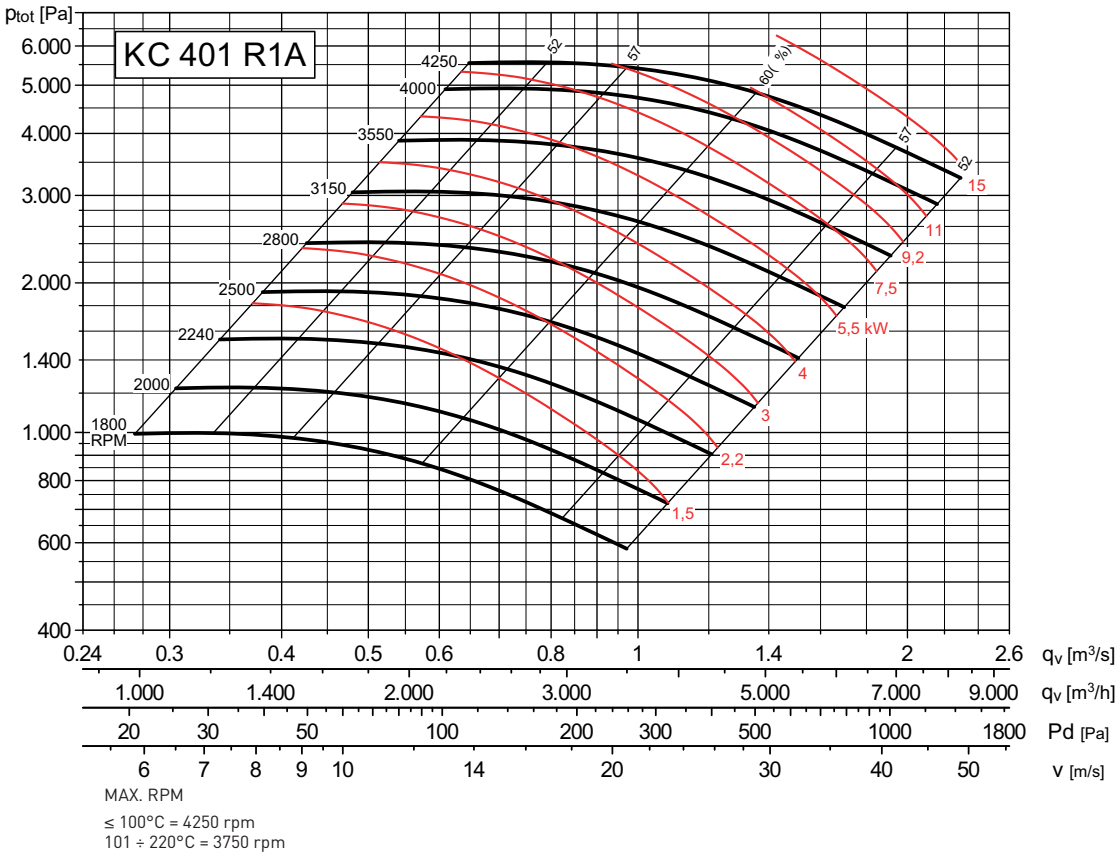
| Modelo | 401-451 | 501 | 561-631 | 711 | 801-901 | 1001 |
|---|---|---|---|---|---|---|
| Soporte tipo | ST 90 AL38 | ST 100 AL42 | ST 110 AL48 | ST 120 BL48 | ST 130 BL55 | SN 516 B-BL65 |

MOTORES SISTEMA 9

| Modelo | 401-451 | 561-631 | 711-901 | 901-1001 |
|---|---|---|---|---|
| Tamaño motor | ≤ 132 MB2 | ≤ 160 L2-4 | ≤ 180 L2-4 | ≤ 200 L4 |

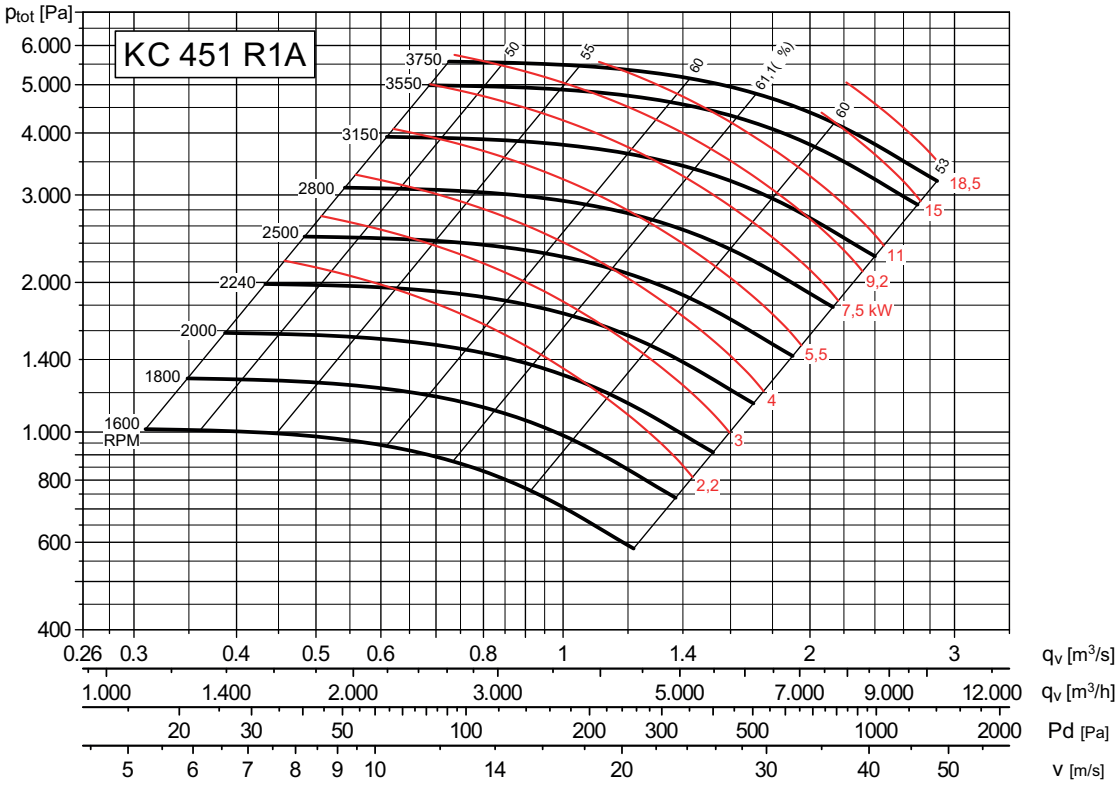
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 4250 rpm
101 ÷ 220°C = 3750 rpm

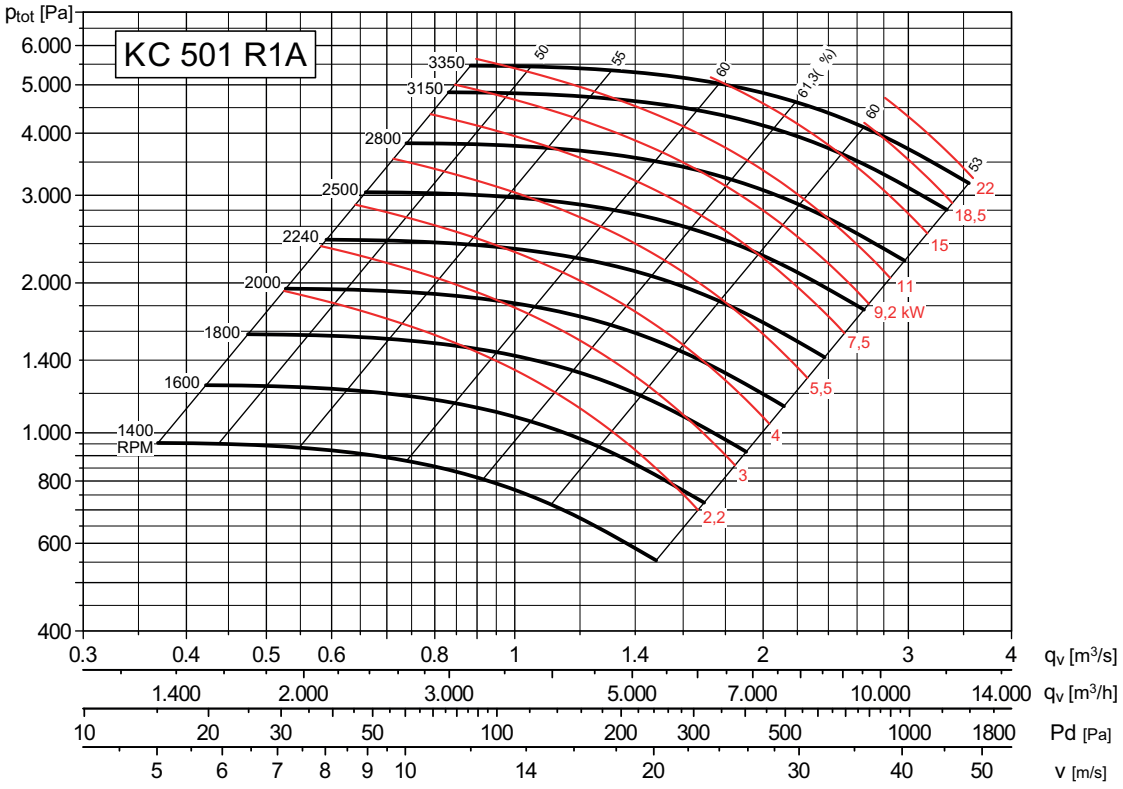



MAX. RPM

≤ 100°C = 3750 rpm
101 ÷ 220°C = 3350 rpm

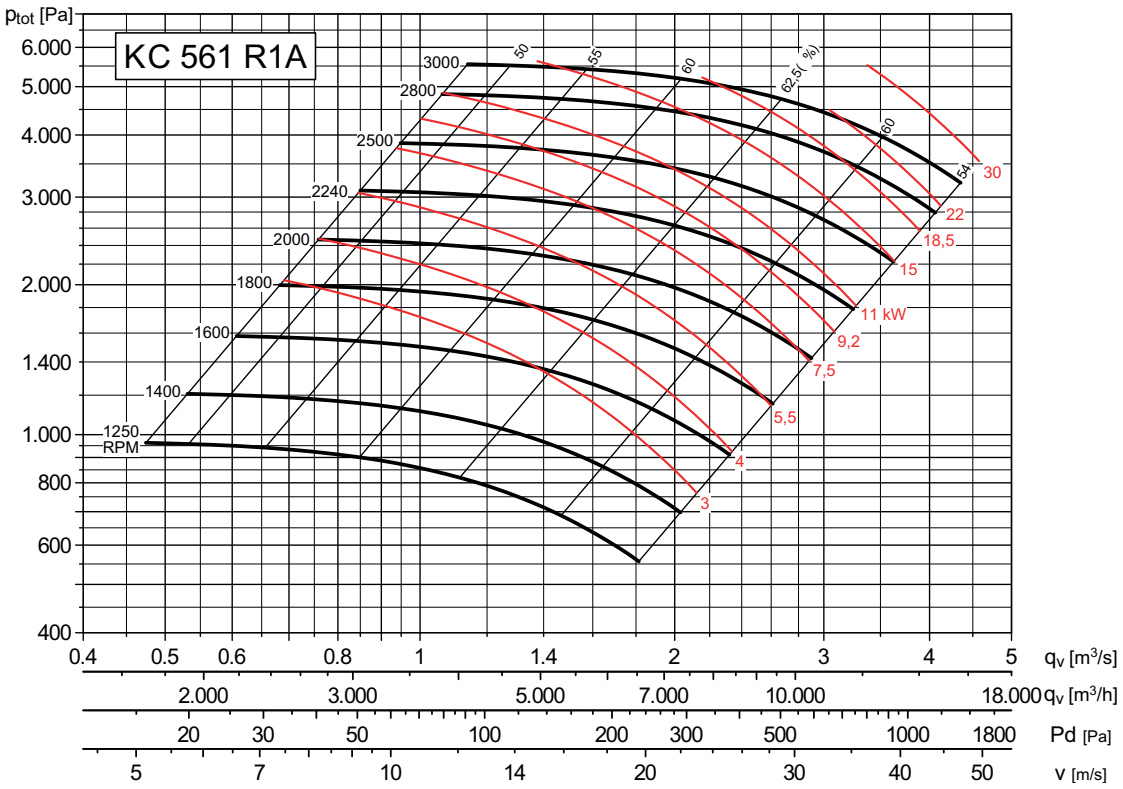
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 3350 rpm
101 ÷ 220°C = 3000 rpm

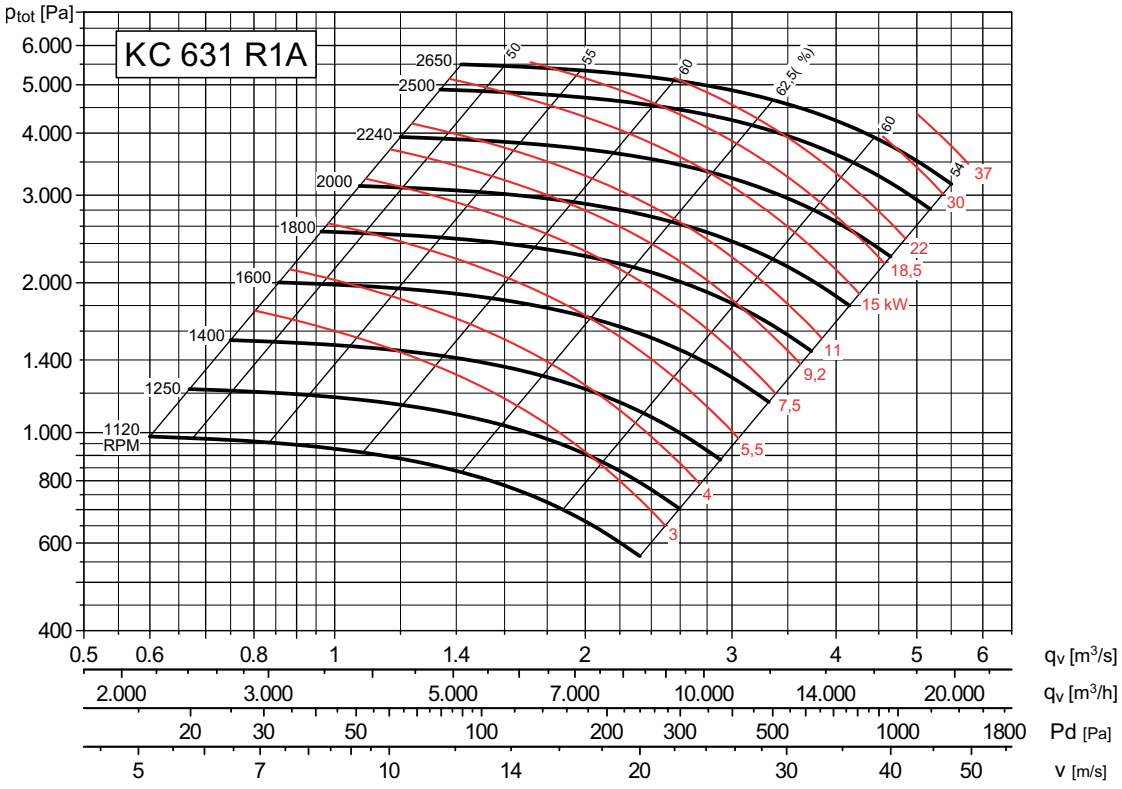



MAX. RPM

≤ 100°C = 3000 rpm
101 ÷ 220°C = 2650 rpm

## CURVAS CARACTERÍSTICAS (a la descarga)

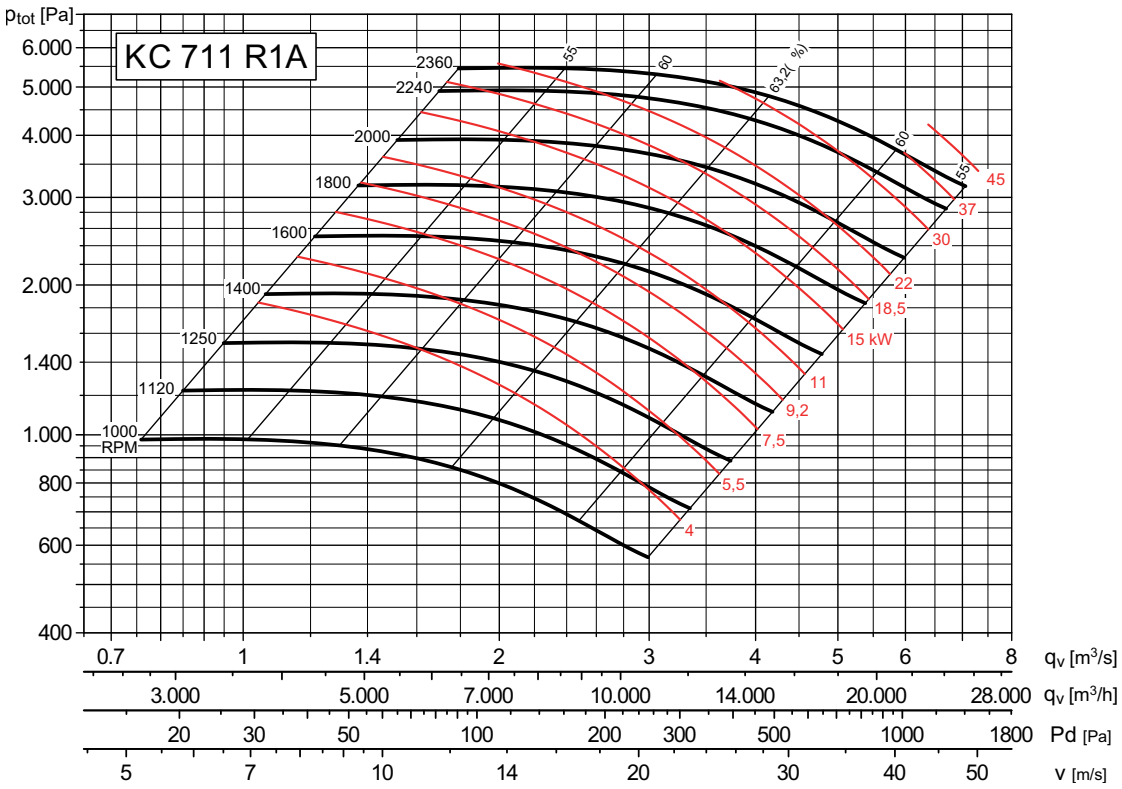
**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 2650 rpm

101 ÷ 220°C = 2360 rpm



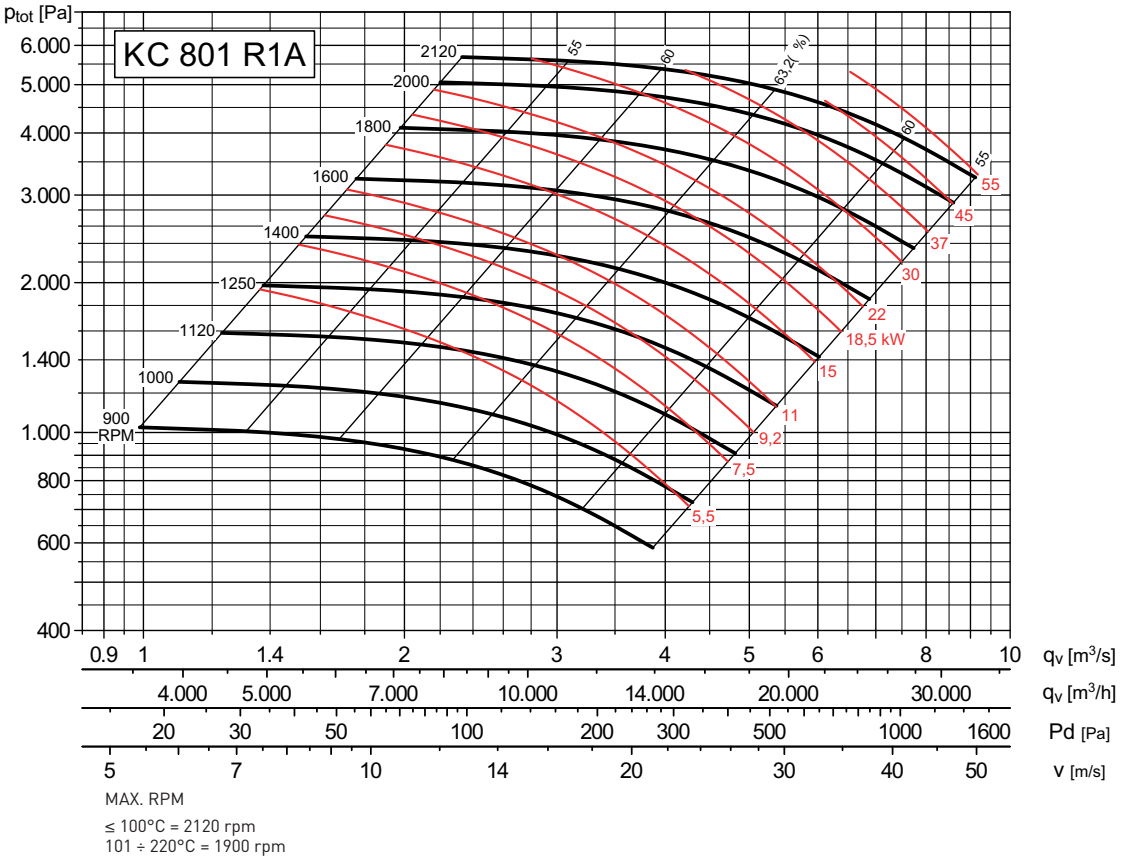

MAX. RPM

≤ 100°C = 2360 rpm

101 ÷ 220°C = 2120 rpm

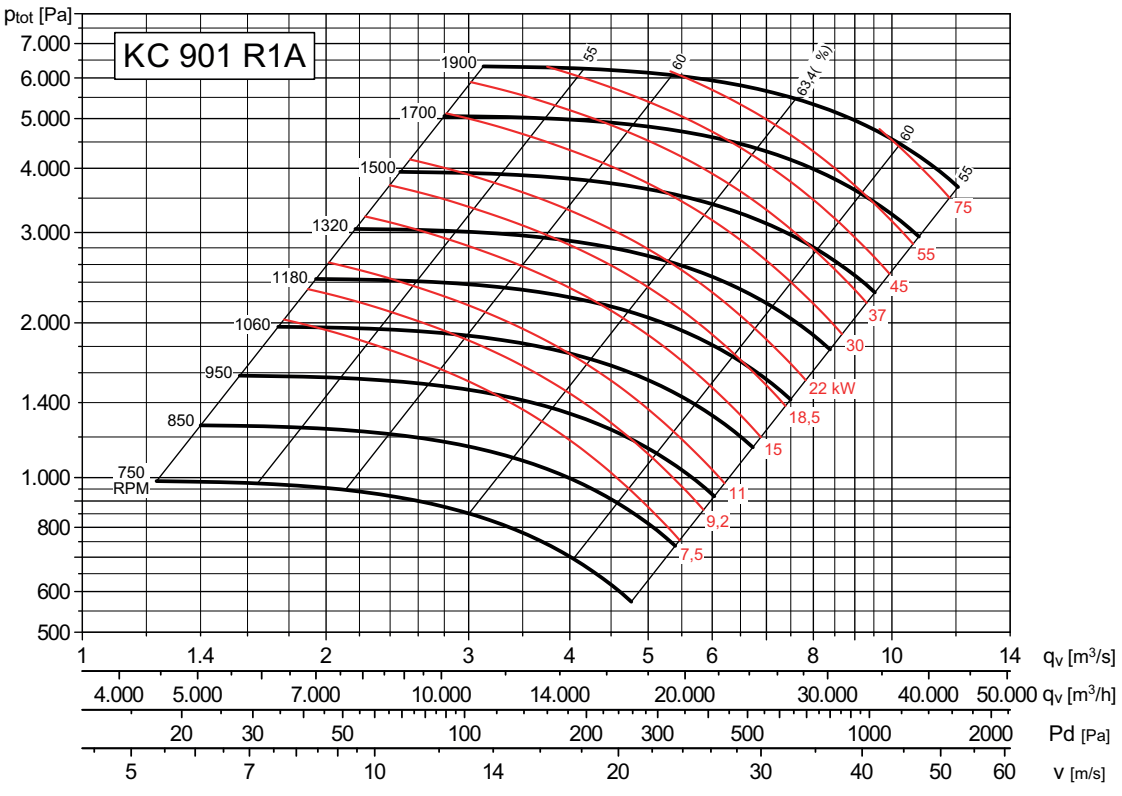
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 2120 rpm
101 ÷ 220°C = 1900 rpm

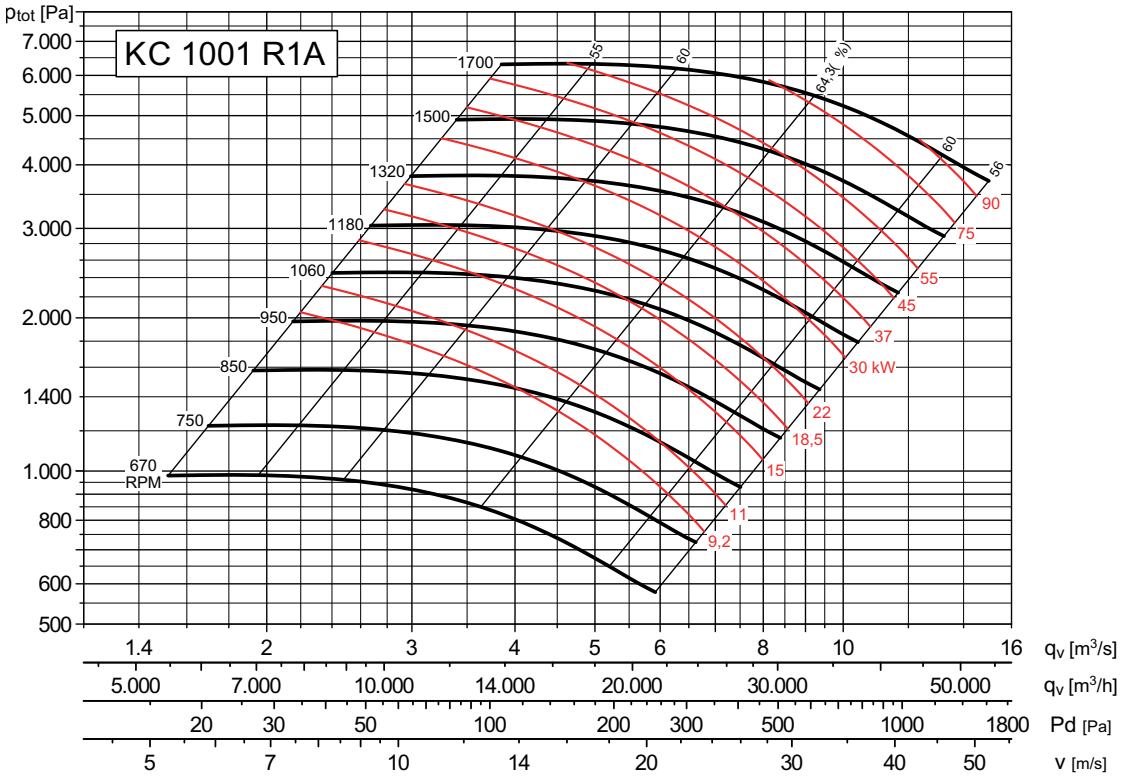



MAX. RPM

≤ 100°C = 1900 rpm
101 ÷ 220°C = 1700 rpm

## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**

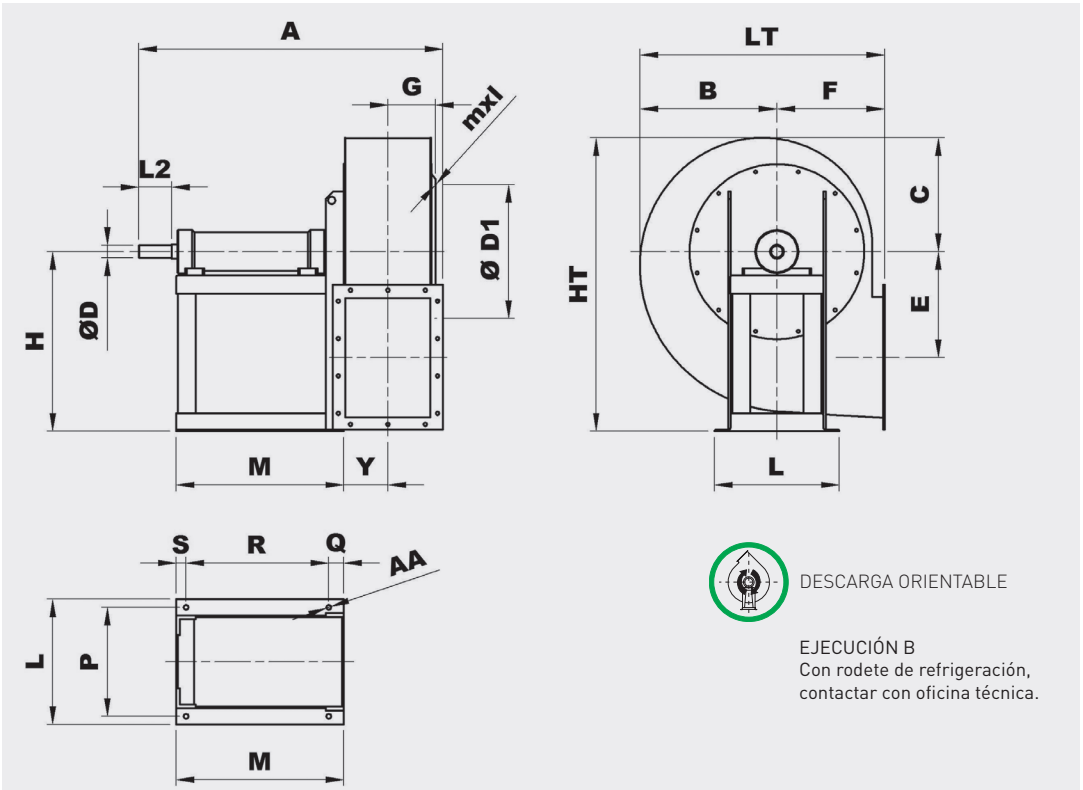



MAX. RPM

≤ 100°C = 1700 rpm
101 ÷ 220°C = 1500 rpm

## DIMENSIONES (mm)

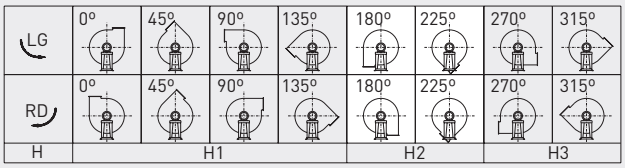
Modelos desde 401 hasta 501




DESCARGA ORIENTABLE

EJECUCIÓN B
Con rodete de refrigeración, contactar con oficina técnica.

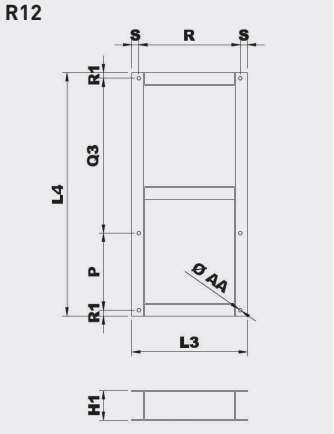
ORIENTACIONES




Para estas orientaciones, contactar con oficina técnica

| Modelo | | | | | | | | | | | | | | | Eje | | Base | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | ØD1 | E | F | G | H | | | HT | mxl | Y | LT | L | ØD | L2 | P | M | Q | R | S | ØAA |
| | | | | | | | | H1 | H2 | H3 | | | | | | | | | | | | | |
| KC 401 R1A | 803 | 375 | 330 | 292 | 319 | 285 | 100 | 500 | 285 | 500 | 830 | M8x20 | 96 | 660 | 400 | 38 | 80 | 355 | 485 | 50 | 407 | 28 | 14 |
| KC 451 R1A | 837 | 435 | 370 | 332 | 357 | 320 | 111 | 560 | 320 | 560 | 930 | M8x20 | 107 | 755 | 400 | 38 | 80 | 355 | 485 | 50 | 407 | 28 | 14 |
| KC 501 R1A | 965 | 470 | 410 | 366 | 395 | 360 | 125 | 600 | 360 | 600 | 1010 | M8x20 | 119 | 830 | 418 | 42 | 110 | 364 | 560 | 50 | 477 | 33 | 17 |

R12

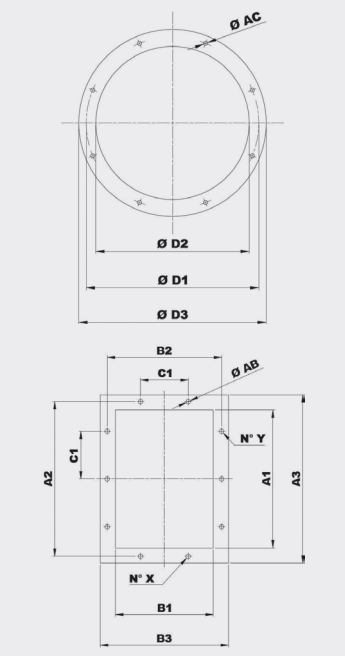



Bancada ejecución 12

| Modelo | H1 | P | L3 | L4 | Q3 | R | R1 | S | ØAA | Peso (kg) |
|---|---|---|---|---|---|---|---|---|---|---|
| 401 R12A | 120 | 355 | 463 | 1010 | 610 | 407 | 22,5 | 28 | 14 | 20 |
| 451 R12A | 120 | 355 | 463 | 1010 | 610 | 407 | 22,5 | 28 | 14 | 20 |
| 501 R12A | 140 | 364 | 543 | 1150 | 732 | 477 | 27 | 33 | 17 | 26 |

## DIMENSIONES (mm)

Modelos desde 401 hasta 501




Brida aspiración

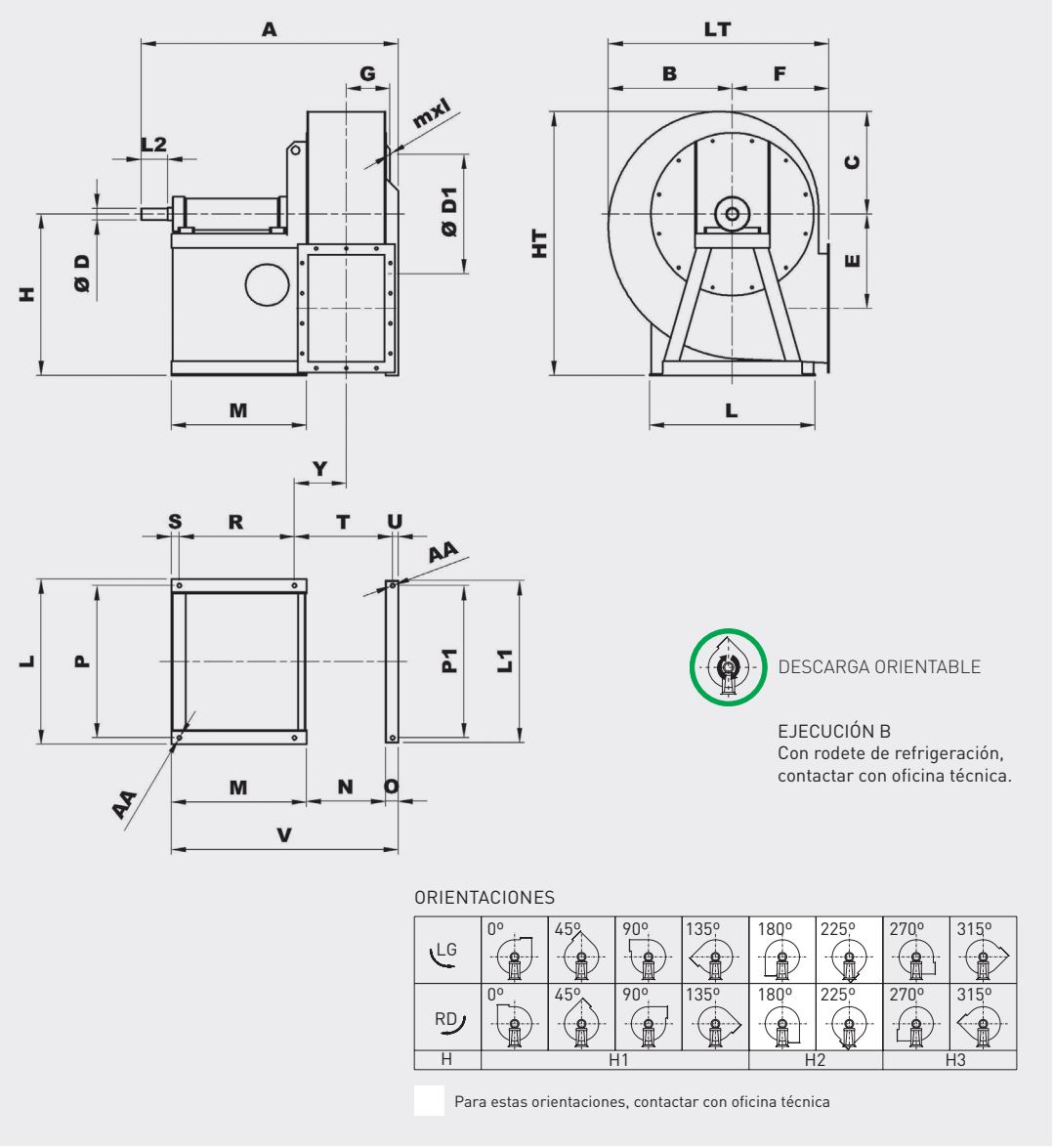
| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 401 | 250 | 292 | 254 | 324 | 10 | 8 |
| 451 | 280 | 332 | 285 | 365 | 10 | 8 |
| 501 | 315 | 366 | 320 | 400 | 10 | 8 |

Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 401 | 250x180 | 256 | 183 | 292 | 219 | 326 | 253 | 112 | 12 | 2+2 | 3+3 |
| 451 | 280x200 | 288 | 205 | 332 | 249 | 368 | 285 | 125 | 12 | 2+2 | 3+3 |
| 501 | 315x224 | 322 | 229 | 366 | 273 | 402 | 309 | 125 | 12 | 2+2 | 3+3 |

## DIMENSIONES (mm)

Modelos desde 561 hasta 631




DESCARGA ORIENTABLE

EJECUCIÓN B
Con rodete de refrigeración, contactar con oficina técnica.

ORIENTACIONES

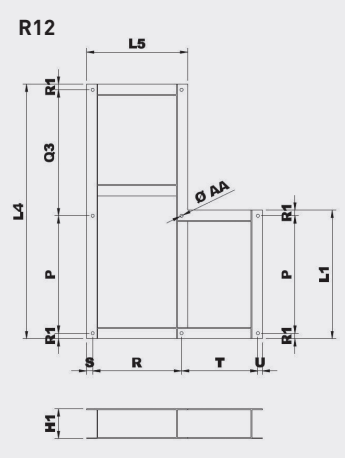
| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LG | 0º | 45º | 90º | 135º | 180º | 225º | 270º | 315º |
| RD | 0º | 45º | 90º | 135º | 180º | 225º | 270º | 315º |
| H | H1 | | | | H2 | | H3 | |

Para estas orientaciones, contactar con oficina técnica

| Modelo | | | | | | | | | | | | | | | Eje | | Base | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | ØD1 | E | F | G | H | | | HT | mxl | Y | LT | L | ØD | L2 | P | L1 | P1 | M | N | O | R | S | T | U | V | ØAA |
| | | | | | | | | H1 | H2 | H3 | | | | | | | | | | | | | | | | | | | |
| KC 561 R1A | 1005 | 550 | 455 | 405 | 437 | 400 | 143 | 670 | 400 | 670 | 1125 | M8x20 | 182 | 950 | 686 | 48 | 110 | 632 | 692 | 632 | 560 | 264 | 53 | 477 | 33 | 344 | 23 | 877 | 17 |
| KC 631 R1A | 1040 | 615 | 515 | 448 | 493 | 450 | 164 | 750 | 450 | 750 | 1265 | M8x20 | 199 | 1065 | 756 | 48 | 110 | 702 | 762 | 702 | 560 | 297 | 53 | 477 | 33 | 377 | 23 | 910 | 17 |

## DIMENSIONES (mm)

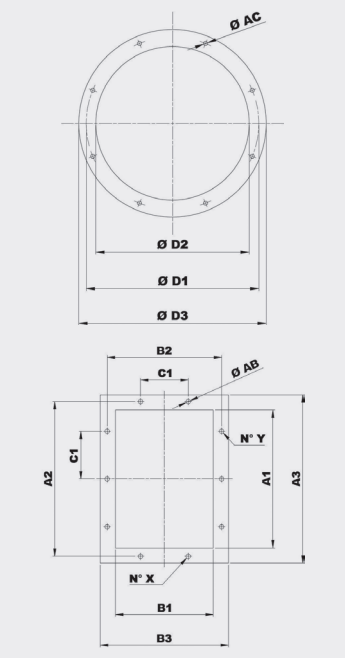
Modelos desde 561 hasta 631




Bancada ejecución 12

| Modelo | H1 | P | L1 | L4 | L5 | Q3 | R | R1 | S | T | U | ØAA | Peso (kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 561 R12A | 160 | 632 | 692 | 1370* | 543 | 678* | 477 | 30 | 33 | 344 | 23 | 17 | 49 |
| 631 R12A | 160 | 702 | 762 | 1470* | 543 | 708* | 477 | 30 | 33 | 377 | 23 | 17 | 47 |

* Para motores de talla 200, esta cota aumenta en 100 mm




Brida aspiración

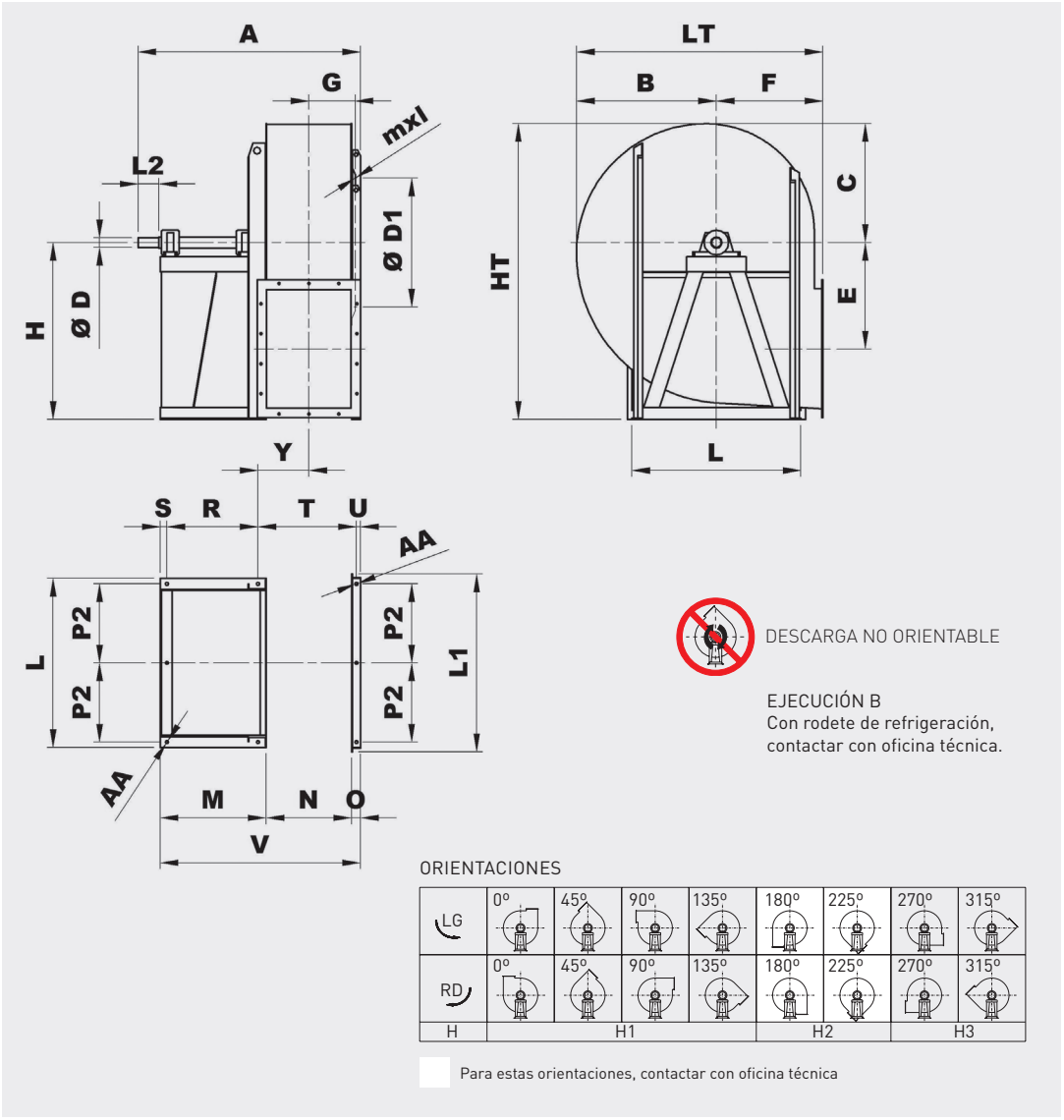
| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 561 | 355 | 405 | 360 | 440 | 10 | 8 |
| 631 | 400 | 448 | 405 | 485 | 10 | 12 |

Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 561 | 355x250 | 361 | 256 | 405 | 300 | 441 | 336 | 125 | 12 | 2+2 | 3+3 |
| 631 | 400x280 | 404 | 288 | 448 | 332 | 484 | 368 | 125 | 12 | 3+3 | 4+4 |

## DIMENSIONES (mm)

Modelos desde 711 hasta 1001




DESCARGA NO ORIENTABLE

EJECUCIÓN B
Con rodete de refrigeración, contactar con oficina técnica.

ORIENTACIONES

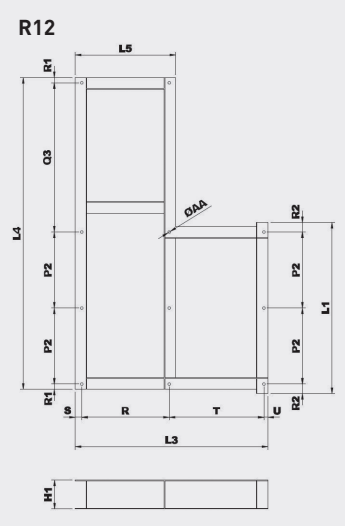
| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LG | 0º | 45º | 90º | 135º | 180º | 225º | 270º | 315º |
| RD | 0º | 45º | 90º | 135º | 180º | 225º | 270º | 315º |
| H | H1 | | | | H2 | | H3 | |

Para estas orientaciones, contactar con oficina técnica

| Modelo | | | | | | | | | | | | | | | Eje | | Base | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | ØD1 | E | F | G | H | | | HT | mxl | Y | LT | L | ØD | L2 | L1 | M | N | O | P2 | R | S | T | U | V | ØAA |
| | | | | | | | | H1 | H2 | H3 | | | | | | | | | | | | | | | | | | |
| KC 711 R1A | 1140 | 690 | 565 | 497 | 558 | 500 | 181 | 670 | 500 | 850 | 1415 | M8x20 | 221 | 1190 | 836 | 48 | 110 | 896 | 650 | 322 | 60 | 386 | 551 | 39 | 415 | 27 | 1032 | 19 |
| KC 801 R1A | 1210 | 770 | 630 | 551 | 625 | 560 | 200 | 750 | 560 | 950 | 1580 | M8x20 | 241 | 1330 | 926 | 55 | 110 | 986 | 650 | 361 | 60 | 431 | 551 | 39 | 454 | 27 | 1071 | 19 |
| KC 901 R1A | 1250 | 860 | 705 | 629 | 703 | 630 | 227 | 850 | 630 | 1060 | 1765 | M8x20 | 262 | 1490 | 1026 | 55 | 110 | 1086 | 650 | 404 | 60 | 481 | 551 | 39 | 497 | 27 | 1114 | 19 |
| KC 1001 R1A | 1380 | 965 | 795 | 698 | 791 | 710 | 251 | 950 | 710 | 1180 | 1975 | M8x25 | 282 | 1675 | 1128 | 65 | 140 | 1188 | 707 | 453 | 60 | 528 | 607 | 45 | 541 | 27 | 1220 | 19 |

## DIMENSIONES (mm)

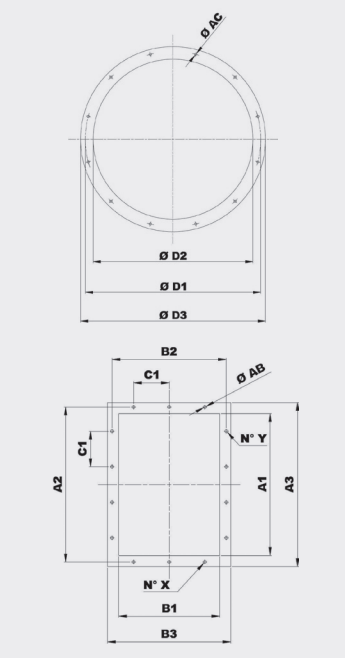
Modelos desde 711 hasta 1001




Bancada ejecución 12

| Modelo | H1 | P2 | L1 | L3 | L4 | L5 | Q3 | R | R1 | R2 | S | T | ØAA | Peso (kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 711 R12A | 180 | 386 | 896 | 1032 | 1643* | 629 | 807* | 551 | 32 | 62 | 39 | 415 | 19 | 80 |
| 801 R12A | 180 | 431 | 986 | 1071 | 1768** | 629 | 842** | 551 | 32 | 62 | 39 | 454 | 19 | 83 |
| 901 R12A | 180 | 481 | 1086 | 1114 | 2013 | 629 | 987 | 551 | 32 | 62 | 39 | 497 | 19 | 90 |
| 1001 R12A | 200 | 528 | 1188 | 1220 | 2164 | 697 | 1036 | 607 | 36 | 66 | 45 | 541 | 19 | 116 |

* Para motores de talla 250-280, esta cota aumenta en 150 mm
** Para motores de talla 250-280, esta cota aumenta en 100 mm




Brida aspiración

| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 711 | 450 | 497 | 455 | 535 | 10 | 12 |
| 801 | 500 | 551 | 505 | 585 | 10 | 12 |
| 901 | 560 | 629 | 566 | 666 | 10 | 12 |
| 1001 | 630 | 698 | 636 | 736 | 10 | 12 |

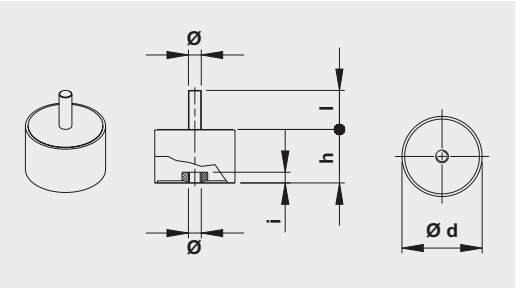
Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 711 | 450x315 | 453 | 322 | 497 | 366 | 533 | 402 | 125 | 12 | 3+3 | 4+4 |
| 801 | 500x355 | 507 | 361 | 551 | 405 | 587 | 441 | 125 | 12 | 3+3 | 4+4 |
| 901 | 560x400 | 569 | 404 | 629 | 464 | 669 | 504 | 160 | 14 | 3+3 | 4+4 |
| 1001 | 630x450 | 638 | 453 | 698 | 513 | 738 | 553 | 160 | 14 | 3+3 | 4+4 |

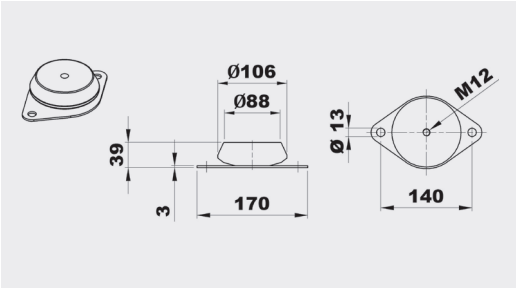
## AMORTIGUADORES

Amortiguadores recomendados

| Ventilador | Ejecución 9 | Ejecución 12 |
|---|---|---|
| 401 | 4 x AM 40 - 40x30 | 4 x AM 40 - 40x30 |
| 451 | 4 x AM 40 - 40x30 | 4 x AM 50 - 50x40 |
| 501 | 4 x AM 50 - 50x40 | 4 x AM 50 - 50x40 |
| 561 | 4 x AM 50 - 50x40 | 6 x AM 50 - 50x40 |
| 631 | 4 x AM 75 - 75x50 | 6 x AM 75 - 75x50 |
| 711 | 4 x AM 75 - 75x50 | 6 x AM 75 - 75x50 |
| 801 | 4 x AM 75 - 75x50 | 6 x AM 75 - 75x50 |
| 901 | 6 x AM 75 - 75x50 | 6 x AZ 39 - 140x39 |
| 1001 | 6 x AM 75 - 75x50 | 6 x AZ 39 - 140x39 |

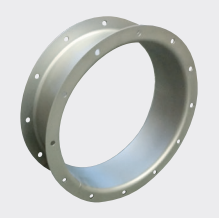



| Tipo | Carga para 4 soportes (kg) | d | h | Ø | l | Peso (kg) |
|---|---|---|---|---|---|---|
| AM 40 | 141÷224 | 40 | 30 | M8 | 23 | 0,10 |
| AM 50 | 225÷315 | 50 | 40 | M10 | 28 | 0,20 |
| AM 75 | 316÷630 | 75 | 50 | M12 | 37 | 0,50 |

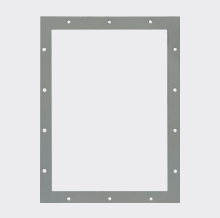



| Tipo | Carga para 4 soportes (kg) | Peso (kg) |
|---|---|---|
| AZ 39 | 631÷1250 | 0,7 |

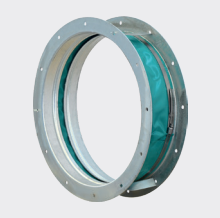
## ACCESORIOS



**CA (CFH1) - CFH2 - CFH3**
Contrabrida - Brida plana circular.



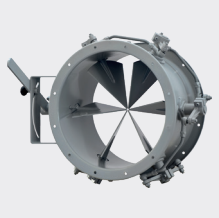
**CP**
Brida plana rectangular.



**GA**
Junta flexible aspiración.



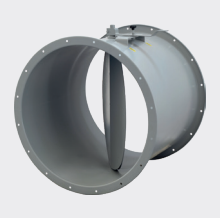
**GP**
Junta flexible descarga.



**DP**
Regulador de caudal de aspiración.



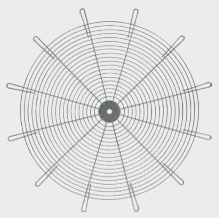
**SAD**
Compuerta de regulación de caudal de descarga.



**SF**
Vávula mariposa.



**DF**
Filtro en la aspiración.



**RC**
Rejilla de protección para la aspiración.



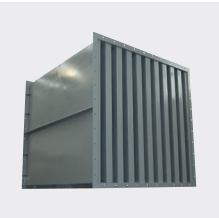
**AM/AZ**
Soportes antivibratorios.



**SCSO**
Silenciador cilíndrico.



**SCCO**
Silenciador cilíndrico con bulbo.



**SASS**
Silenciador rectangular.



**CI**
Cabina de insonorización.

Ver información completa en página **772**.

# KM

## VENTILADORES CENTRÍFUGOS PARA TRANSPORTE DE MATERIA

*ACOPLAMIENTO DIRECTO*



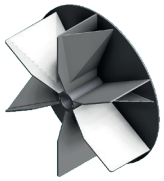
Ventilador centrífugo de acoplamiento directo y simple aspiración. Fabricados en chapa de acero protegida contra la corrosión mediante tratamiento por cataforesis + pintura poliuretana. Temperaturas del aire a transportar -20ºC/+100ºC en continuo.



APLICACIONES

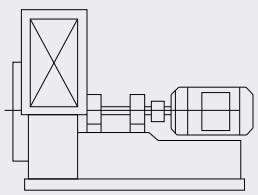
**Aire a transportar**
Transporte de material y neumático

**Cantidad de polvo (mg/m³)**
<50000



Rodete de álabes hacia adelante para transporte de material

**SISTEMA 8:** acoplamiento mediante junta elástica.



Disponible bajo pedido

### Motores

De 2 o 4 polos, de alta eficiencia IE 3*, tensión de alimentación trifásica 230/400V 50Hz hasta tamaño motor 112 y 400/690V 50Hz para motores de mayor dimensión. Protección IP55, Clase F.

* Entre 75 y 200kW, los motores suministrados serán IE4.

### Bajo pedido

- Fabricación en diferentes materiales constructivos.
- Motores de 2 velocidades.
- Versiones de 60 Hz.
- Pintura en diferentes RAL.
- Versión sin pie soporte (Motor-Brida, Sistema 5), hasta tamaño de motor 160.
- Versión para alta temperatura: hasta 220ºC (versiones B: con rodete de refrigeración).
- SISTEMA 8: acoplamiento mediante junta elástica.
- Trampilla de inspección, purga de drenaje, distintos tipos de estanqueidad a nivel de voluta y de paso de eje.
- Ventiladores estancos.
- Calorifugado.

### Versiones ATEX

Bajo pedido, versiones antiexplosivas según la Directiva ATEX para modelos trifásicos: Para trabajar a temperaturas de -20ºC a +60ºC, presión ambiente (absoluta) de 0,8 bar hasta 1,1 bar, según EN 14986.

- Gas:
  - Ex 3G IIB T2-T3-T4
  - Ex 3G IIB+H2 T2-T3-T4
- Polvo no conductivo:
  - Ex 2D* IIIB T125°C-T135°C-T195°C-T295°C
  - Ex 3D IIIB T125°C-T135°C-T195°C-T295°C
- Polvo conductivo (con motor IP65 IIIC):
  - Ex 2D* IIIC T125°C-T135°C-T195°C-T295°C
  - Ex 3D IIIC T125°C-T135°C-T195°C-T295°C

* Solo para aplicaciones de transporte de pelusas.

## CARACTERÍSTICAS TÉCNICAS

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación

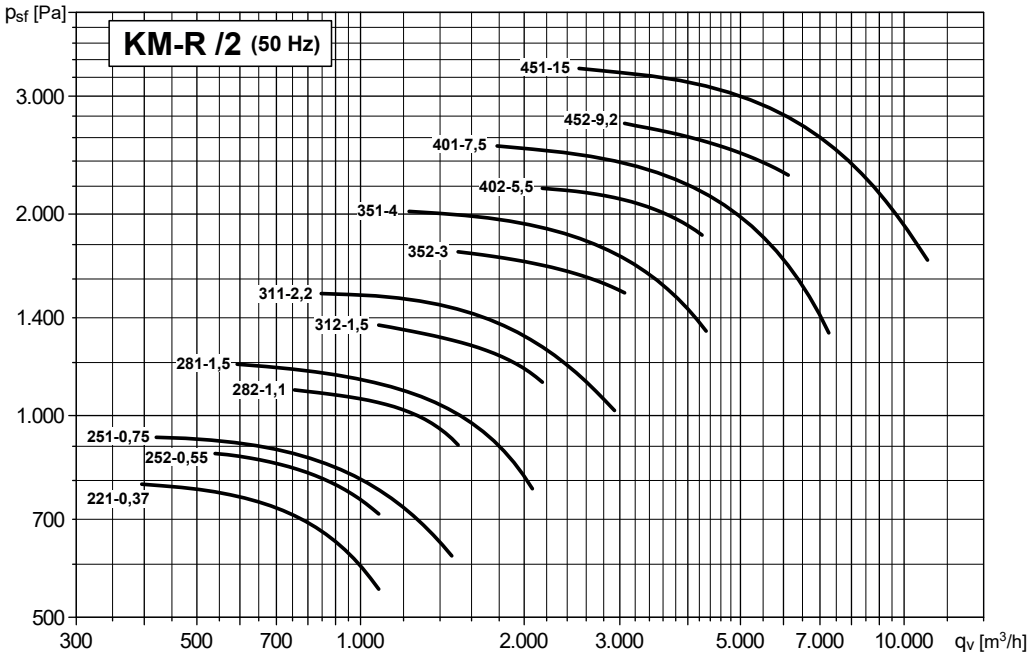
| Modelo | Tamaño motor | Velocidad (r.p.m.) | Potencia motor (kW) | Intensidad motor 400V (A) | Caudal máximo ($m^3/h$) | Nivel presión sonora a 1 m (dB(A))[1] | Peso (kg)[2] | Momento de inercia ($kg \cdot m^2$)[3] |
|---|---|---|---|---|---|---|---|---|
| 2 POLOS | | | | | | | | |
| KM 221/2 R4A | 71A2 | 2810 | 0,37 | 0,90 | 1.080 | 68 | 18 | 0,01 |
| KM 252/2 R4A | 71B2 | 2820 | 0,55 | 1,25 | 1.080 | 70 | 25 | 0,02 |
| KM 251/2 R4A | 80A2 | 2830 | 0,75 | 1,59 | 1.470 | 71 | 28 | 0,02 |
| KM 282/2 R4A | 80B2 | 2840 | 1,10 | 2,33 | 1.510 | 73 | 32 | 0,03 |
| KM 281/2 R4A | 90S2 | 2840 | 1,50 | 3,07 | 2.070 | 74 | 36 | 0,04 |
| KM 312/2 R4A | 90S2 | 2840 | 1,50 | 3,07 | 2.160 | 77 | 42 | 0,05 |
| KM 311/2 R4A | 90L2 | 2850 | 2,20 | 4,43 | 2.930 | 78 | 45 | 0,06 |
| KM 352/2 R4A | 100LA2 | 2900 | 3,00 | 5,77 | 3.060 | 80 | 74 | 0,09 |
| KM 351/2 R4A | 112M2 | 2920 | 4,00 | 7,50 | 4.320 | 81 | 79 | 0,11 |
| KM 402/2 R4A | 132SA2 | 2890 | 5,50 | 10,10 | 4.250 | 84 | 107 | 0,16 |
| KM 401/2 R4A | 132SB2 | 2890 | 7,50 | 13,90 | 7.270 | 85 | 113 | 0,20 |
| KM 452/2 R4A | 132MB2 | 2900 | 9,20 | 16,60 | 6.120 | 87 | 140 | 0,30 |
| KM 451/2 R4A | 160MR2 | 2930 | 15,00 | 25,40 | 11.040 | 88 | 195 | 0,38 |
| 4 POLOS | | | | | | | | |
| KM 452/4 R4A | 90S4 | 1390 | 1,10 | 2,30 | 2.930 | 68 | 98 | 0,35 |
| KM 451/4 R4A | 90L4 | 1420 | 1,50 | 3,15 | 5.350 | 69 | 105 | 0,35 |
| KM 502/4 R4A | 100LA4 | 1420 | 2,20 | 4,56 | 4.250 | 72 | 124 | 0,55 |
| KM 501/4 R4A | 100LB4 | 1430 | 3,00 | 6,15 | 6.900 | 73 | 132 | 0,65 |
| KM 562/4 R4A | 112M4 | 1425 | 4,00 | 8,20 | 6.120 | 75 | 145 | 0,88 |
| KM 561/4 R4A | 132SA4 | 1440 | 5,50 | 10,30 | 9.840 | 76 | 170 | 1,08 |
| KM 632/4 R4A | 132MA4 | 1450 | 7,50 | 13,90 | 8.500 | 79 | 197 | 1,45 |
| KM 631/4 R4A | 160M4 | 1450 | 11,00 | 20,70 | 14.090 | 80 | 270 | 1,78 |
| KM 712/4 R4A | 160M4 | 1450 | 11,00 | 20,70 | 12.060 | 83 | 335 | 2,58 |
| KM 711/4 R4A | 160L4 | 1450 | 15,00 | 28,40 | 20.230 | 84 | 365 | 3,13 |
| KM 802/4 R4A | 180M4 | 1460 | 18,50 | 34,90 | 17.100 | 86 | 440 | 4,60 |
| KM 801/4 R4A | 200L4 | 1470 | 30,00 | 54,60 | 29.440 | 88 | 505 | 5,60 |
| KM 902/4 R4A | 225S4 | 1475 | 37,00 | 65,60 | 24.120 | 91 | 595 | 8,10 |
| KM 901/4 R4A | 225M4 | 1475 | 45,00 | 79,40 | 43.450 | 92 | 635 | 10,00 |
| KM 1002/4 R4A | 250M4 | 1475 | 55,00 | 96,90 | 34.200 | 95 | 800 | 14,00 |
| KM 1001/4 R4A | 280R4 | 1475 | 75,00 | 130,00 | 60.300 | 96 | 915 | 16,80 |

1 Entubado en la descarga
Tolerancia del nivel de ruido de +3dB/A, medido en el punto de máxima eficiencia
2 Con motor incluido y para orientación LG270 o RD270
3 Momento de inercia del rodete

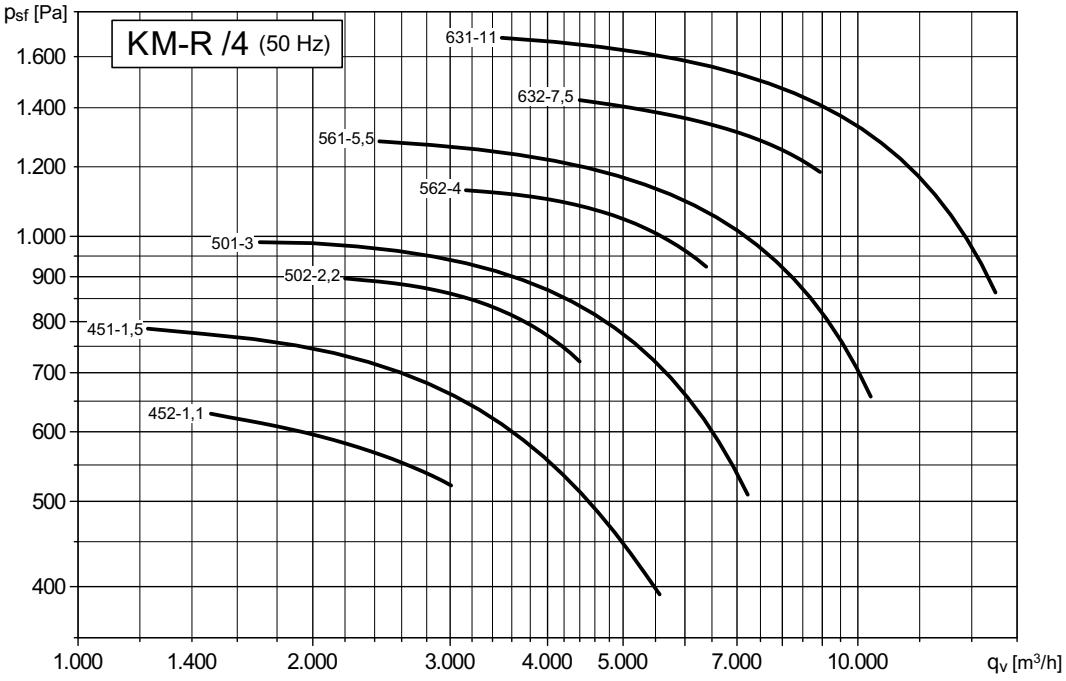
## CURVAS CARACTERÍSTICAS (a la descarga)

- Ventiladores ensayados con la aspiración y la descarga entubadas
- **Psf: Presión estática en Pa**
- Modelo - Potencia motor en kW
- Ejemplo: 401 - 7,5
  Modelo - kW

2 polos - Modelos desde 221 hasta 451



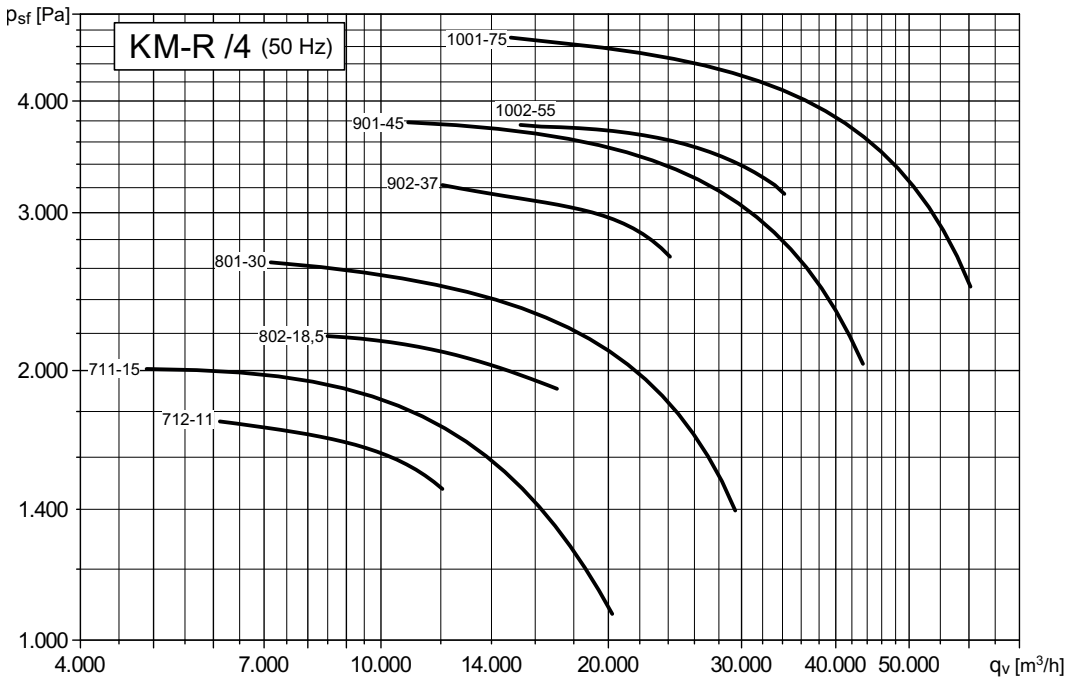

4 polos - Modelos desde 452 hasta 631



## CURVAS CARACTERÍSTICAS (a la descarga)

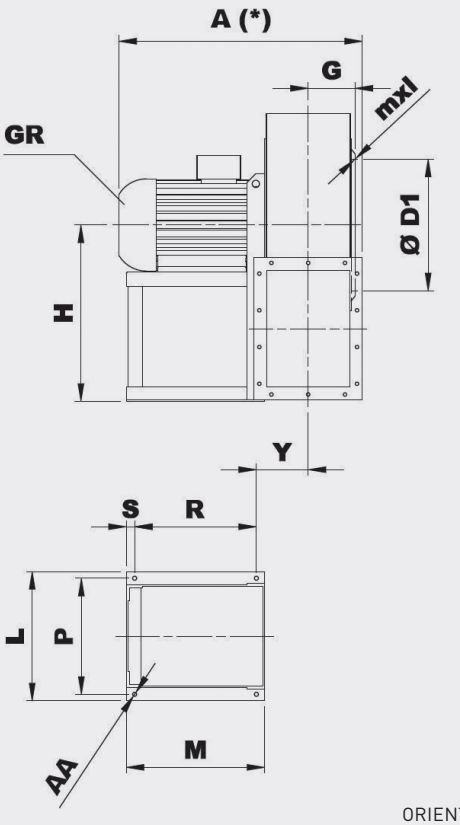
- Ventiladores ensayados con la aspiración y la descarga entubadas
- **Psf: Presión estática en Pa**
- Modelo - Potencia motor en kW
- Ejemplo: 401 - 7,5
  Modelo - kW

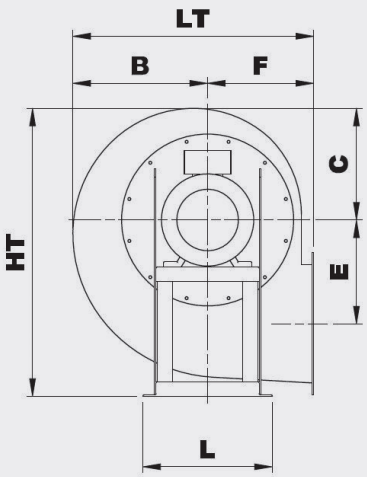
4 polos - Modelos desde 712 hasta 1001



## DIMENSIONES (mm)

Modelos desde 221 hasta 501



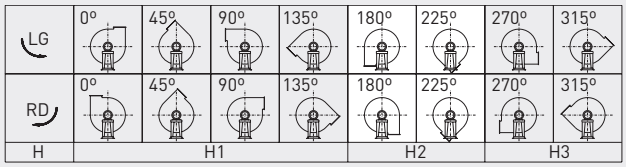






DESCARGA ORIENTABLE

EJECUCIÓN B
Con rodete de refrigeración, contactar con oficina técnica.

ORIENTACIONES



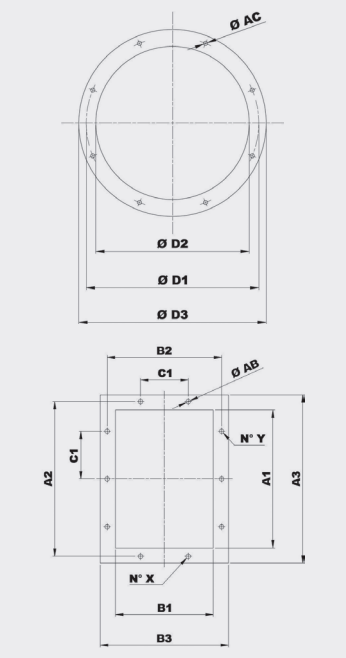

Para los ventiladores con orientaciones 180º y 225º, contactar con oficina técnica

| Modelo | | | | | | | | | | | | | | | | Base | | | | | | Ejecución 4B [1] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Motor GR | A* | B | C | ØD1 | E | F | G | H | | | HT | LT | mxl | Y | L | P | M | R | S | ØAA | A* | Y | R | M |
| | | | | | | | | | H1 | H2 | H3 | | | | | | | | | | | | | | |
| KM 221/2 R4A | 71A2 | 350 | 220 | 195 | 165 | 176 | 180 | 63 | 300 | 180 | 300 | 495 | 400 | M6x16 | 100 | 225 | 203 | 215 | 156 | 14 | 10 | 389 | 100 | 156 | 215 |
| KM 251/2 R4A | 80A2 | 410 | 245 | 210 | 219 | 176 | 195 | 79 | 315 | 195 | 315 | 525 | 440 | M6x16 | 121 | 225 | 203 | 225 | 166 | 14 | 10 | 455 | 121 | 166 | 225 |
| KM 252/2 R4A | 71B2 | 380 | 245 | 210 | 219 | 176 | 195 | 79 | 315 | 195 | 315 | 525 | 440 | M6x16 | 121 | 225 | 203 | 215 | 156 | 14 | 10 | 417 | 121 | 156 | 215 |
| KM 281/2 R4A | 90S2 | 440 | 270 | 235 | 241 | 202 | 200 | 88 | 375 | 200 | 375 | 610 | 470 | M6x16 | 145 | 260 | 234 | 260 | 183 | 17 | 10 | 485 | 145 | 183 | 260 |
| KM 282/2 R4A | 80B2 | 420 | 270 | 235 | 241 | 202 | 200 | 88 | 375 | 200 | 375 | 610 | 470 | M6x16 | 130 | 225 | 203 | 225 | 166 | 14 | 10 | 465 | 130 | 166 | 225 |
| KM 311/2 R4A | 90L2 | 480 | 300 | 260 | 265 | 230 | 225 | 99 | 400 | 225 | 400 | 660 | 525 | M6x16 | 155 | 260 | 234 | 260 | 183 | 17 | 10 | 525 | 155 | 183 | 260 |
| KM 312/2 R4A | 90S2 | 450 | 300 | 260 | 265 | 230 | 225 | 99 | 400 | 225 | 400 | 660 | 525 | M6x16 | 155 | 260 | 234 | 260 | 183 | 17 | 10 | 495 | 155 | 183 | 260 |
| KM 351/2 R4A | 112M2 | 530 | 340 | 295 | 292 | 253 | 255 | 110 | 450 | 255 | 450 | 745 | 595 | M8x20 | 129 | 324 | 289 | 310 | 264 | 23 | 12 | 575 | 129 | 264 | 310 |
| KM 352/2 R4A | 100LA2 | 520 | 340 | 295 | 292 | 253 | 255 | 110 | 450 | 255 | 450 | 745 | 595 | M8x20 | 129 | 324 | 289 | 295 | 249 | 23 | 12 | 565 | 129 | 249 | 295 |
| KM 401/2 R4A | 132SB2 | 630 | 375 | 330 | 332 | 286 | 285 | 122 | 500 | 285 | 500 | 830 | 660 | M8x20 | 141 | 372 | 337 | 360 | 314 | 23 | 12 | 685 | 141 | 314 | 360 |
| KM 402/2 R4A | 132SA2 | 630 | 375 | 330 | 332 | 286 | 285 | 122 | 500 | 285 | 500 | 830 | 660 | M8x20 | 141 | 372 | 337 | 360 | 314 | 23 | 12 | 685 | 141 | 314 | 360 |
| KM 451/2 R4A | 160MR2 | 760 | 425 | 370 | 366 | 321 | 320 | 138 | 560 | 320 | 560 | 930 | 745 | M8x20 | 160 | 440 | 395 | 470 | 414 | 28 | 14 | 815 | 160 | 414 | 470 |
| KM 451/4 R4A | 90L4 | 550 | 425 | 370 | 366 | 321 | 320 | 138 | 560 | 320 | 560 | 930 | 745 | M8x20 | 192 | 260 | 234 | 260 | 183 | 17 | 10 | 595 | 192 | 183 | 260 |
| KM 452/2 R4A | 132MB2 | 695 | 425 | 370 | 366 | 321 | 320 | 138 | 560 | 320 | 560 | 930 | 745 | M8x20 | 156 | 372 | 337 | 360 | 314 | 23 | 12 | 750 | 156 | 314 | 360 |
| KM 452/4 R4A | 90S4 | 520 | 425 | 370 | 366 | 321 | 320 | 138 | 560 | 320 | 560 | 930 | 745 | M8x20 | 192 | 260 | 234 | 260 | 183 | 17 | 10 | 565 | 192 | 183 | 260 |
| KM 501/4 R4A | 100LB4 | 650 | 470 | 410 | 405 | 354 | 360 | 159 | 600 | 360 | 600 | 1010 | 830 | M8x20 | 171 | 324 | 289 | 295 | 249 | 23 | 12 | 695 | 171 | 249 | 295 |
| KM 502/4 R4A | 100LA4 | 650 | 470 | 410 | 405 | 354 | 360 | 159 | 600 | 360 | 600 | 1010 | 830 | M8x20 | 171 | 324 | 289 | 295 | 249 | 23 | 12 | 695 | 171 | 249 | 295 |

[1] Con rodete de refrigeración
* Según tamaño motor

## DIMENSIONES (mm)

Modelos desde 221 hasta 501




Brida aspiración

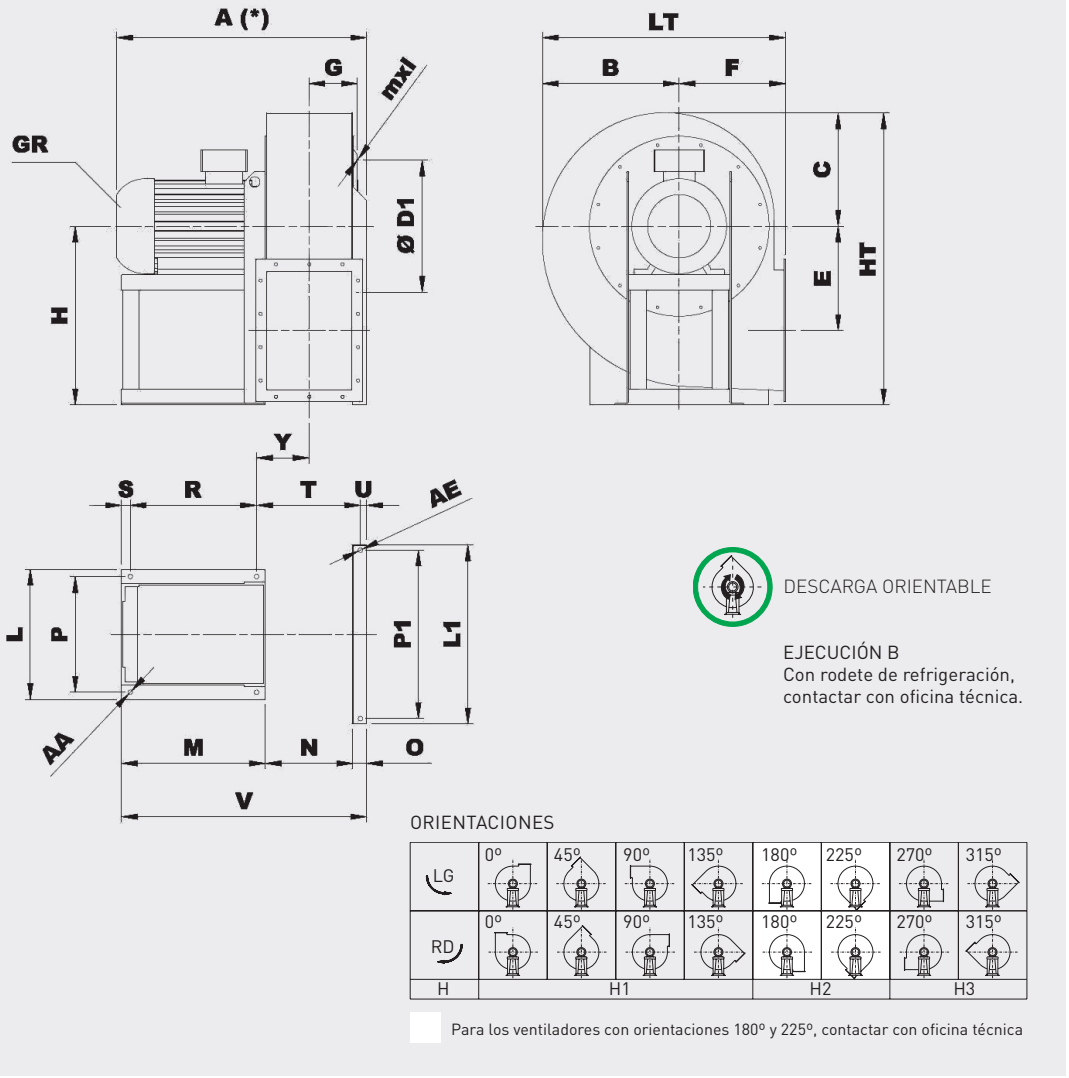
| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 221 | 125 | 165 | 129 | 189 | 8 | 4 |
| 251 | 180 | 219 | 184 | 254 | 8 | 8 |
| 281 | 200 | 241 | 204 | 274 | 8 | 8 |
| 311 | 224 | 265 | 228 | 298 | 8 | 8 |
| 351 | 250 | 292 | 254 | 324 | 10 | 8 |
| 401 | 280 | 332 | 285 | 365 | 10 | 8 |
| 451 | 315 | 366 | 320 | 400 | 10 | 8 |
| 501 | 355 | 405 | 360 | 440 | 10 | 8 |

Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 221 | 140x100 | 146 | 105 | 182 | 139 | 216 | 175 | 112 | 12 | 1+1 | 2+2 |
| 251 | 200x140 | 205 | 146 | 241 | 182 | 275 | 216 | 112 | 12 | 2+2 | 2+2 |
| 281 | 224x160 | 229 | 164 | 265 | 200 | 299 | 234 | 112 | 12 | 2+2 | 2+2 |
| 311 | 250x180 | 256 | 183 | 292 | 219 | 326 | 253 | 112 | 12 | 2+2 | 3+3 |
| 351 | 280x200 | 288 | 205 | 332 | 249 | 368 | 285 | 125 | 12 | 2+2 | 3+3 |
| 401 | 315x224 | 322 | 229 | 366 | 273 | 402 | 309 | 125 | 12 | 2+2 | 3+3 |
| 451 | 355x250 | 361 | 256 | 405 | 300 | 441 | 336 | 125 | 12 | 2+2 | 3+3 |
| 501 | 400x280 | 404 | 288 | 448 | 332 | 484 | 368 | 125 | 12 | 3+3 | 4+4 |

## DIMENSIONES (mm)

Modelos desde 561 hasta 631




DESCARGA ORIENTABLE

EJECUCIÓN B
Con rodete de refrigeración, contactar con oficina técnica.

ORIENTACIONES



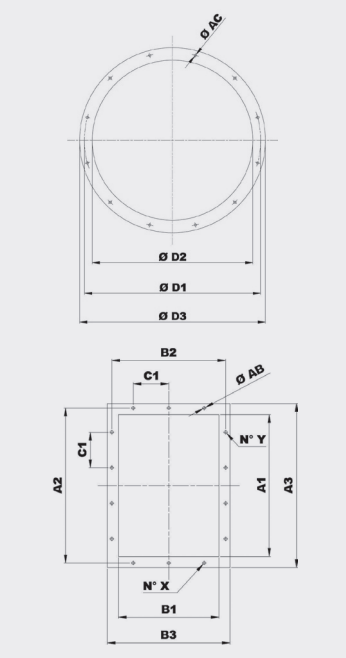

Para los ventiladores con orientaciones 180º y 225º, contactar con oficina técnica

| Modelo | | Base | | | | | | | | | | | | | | | | | | | | Ejecución 4B [1] | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Motor GR | A* | B | C | ØD1 | E | F | G | H | | | HT | LT | mxl | Y | L | P | L1 | P1 | M | N | O | R | S | T | U | V | ØAA | ØAE | A | Y | R | M | T | V |
| | | | | | | | | | H1 | H2 | H3 | | | | | | | | | | | | | | | | | | | | | | | | | |
| KM 561/4 R4A | 132SA4 | 790 | 550 | 451 | 448 | 391 | 400 | 181 | 670 | 400 | 670 | 1121 | 950 | M8x20 | 188 | 372 | 337 | 672 | 632 | 360 | 329 | 52 | 314 | 23 | 381 | 23 | 741 | 12 | 17 | 845 | 188 | 314 | 360 | 381 | 741 |
| KM 562/4 R4A | 112M4 | 750 | 550 | 451 | 448 | 391 | 400 | 181 | 670 | 400 | 670 | 1121 | 950 | M8x20 | 188 | 324 | 289 | 672 | 632 | 310 | 329 | 52 | 264 | 23 | 381 | 23 | 691 | 12 | 17 | 795 | 188 | 264 | 310 | 381 | 691 |
| KM 631/4 R4A | 160M4 | 990 | 615 | 515 | 497 | 441 | 450 | 200 | 750 | 450 | 750 | 1265 | 1065 | M8x20 | 214 | 440 | 395 | 762 | 702 | 470 | 369 | 52 | 414 | 28 | 426 | 23 | 891 | 14 | 17 | 1045 | 214 | 414 | 470 | 426 | 891 |
| KM 632/4 R4A | 132MA4 | 860 | 615 | 515 | 497 | 441 | 450 | 200 | 750 | 450 | 750 | 1265 | 1065 | M8x20 | 209 | 372 | 337 | 762 | 702 | 360 | 369 | 52 | 314 | 23 | 421 | 23 | 781 | 12 | 17 | 915 | 209 | 314 | 360 | 421 | 781 |

[1] Con rodete de refrigeración
* Según tamaño motor

## DIMENSIONES (mm)

Modelos desde 561 hasta 631




Brida aspiración

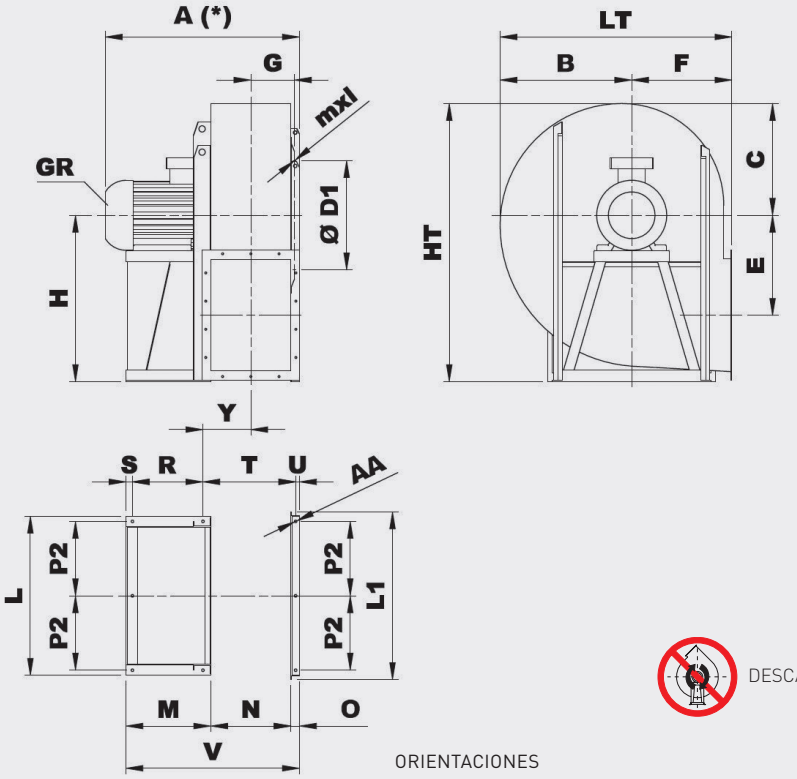
| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 561 | 400 | 448 | 405 | 485 | 10 | 12 |
| 631 | 450 | 497 | 455 | 535 | 10 | 12 |

Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 561 | 450x315 | 453 | 322 | 497 | 366 | 533 | 402 | 125 | 12 | 3+3 | 4+4 |
| 631 | 500x355 | 507 | 361 | 551 | 405 | 587 | 441 | 125 | 12 | 3+3 | 4+4 |

## DIMENSIONES (mm)

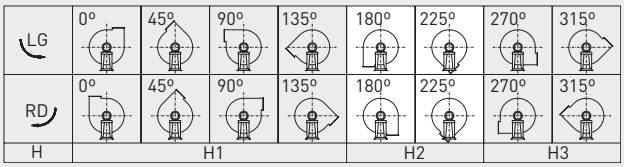
Modelos desde 711 hasta 1001






DESCARGA NO ORIENTABLE

ORIENTACIONES




Para estas orientaciones, contactar con oficina técnica

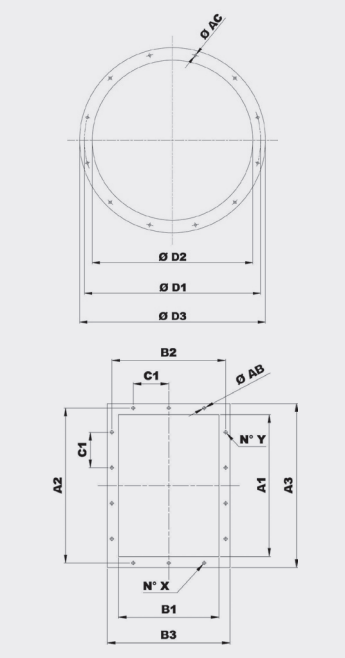
| Modelo | | | | | | | | | | | | | | | | Base | | | | | | | | | | | Ejecución 4B [1] | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Motor GR | A* | B | C | ØD1 | E | F | G | H | | | HT | LT | mxl | Y | L | L1 | M | N | O | P2 | R | S | T | U | V | ØAA | A | Y | R | M | T | V |
| | | | | | | | | | H1 | H2 | H3 | | | | | | | | | | | | | | | | | | | | | | |
| KM 711/4 R4A | 160L4 | 1020 | 690 | 565 | 551 | 500 | 500 | 222 | 670 | 500 | 850 | 1415 | 1190 | M8x20 | 262 | 836 | 896 | 471 | 404 | 60 | 386 | 372 | 39 | 497 | 27 | 935 | 19 | 1020 | 262 | 372 | 471 | 497 | 935 |
| KM 712/4 R4A | 160M4 | 1020 | 690 | 565 | 551 | 500 | 500 | 222 | 670 | 500 | 850 | 1415 | 1190 | M8x20 | 262 | 836 | 896 | 471 | 404 | 60 | 386 | 372 | 39 | 497 | 27 | 935 | 19 | 1020 | 262 | 372 | 471 | 497 | 935 |
| KM 801/4 R4A | 200L4 | 1140 | 770 | 630 | 629 | 560 | 560 | 251 | 750 | 560 | 950 | 1580 | 1330 | M8x20 | 287 | 926 | 986 | 500 | 453 | 60 | 431 | 401 | 39 | 546 | 27 | 1013 | 19 | 1195 | 287 | 461 | 560 | 546 | 1073 |
| KM 802/4 R4A | 180M4 | 1060 | 770 | 630 | 629 | 560 | 560 | 251 | 750 | 560 | 950 | 1580 | 1330 | M8x20 | 287 | 926 | 986 | 540 | 453 | 60 | 431 | 441 | 39 | 546 | 27 | 1053 | 19 | 1115 | 287 | 441 | 540 | 546 | 1053 |
| KM 901/4 R4A | 225M4 | 1260 | 860 | 705 | 698 | 630 | 630 | 278 | 850 | 630 | 1060 | 1765 | 1490 | M8x20 | 314 | 1026 | 1086 | 540 | 507 | 60 | 481 | 441 | 39 | 600 | 27 | 1107 | 19 | 1315 | 314 | 523 | 622 | 600 | 1189 |
| KM 902/4 R4A | 225S4 | 1260 | 860 | 705 | 698 | 630 | 630 | 278 | 850 | 630 | 1060 | 1765 | 1490 | M8x20 | 314 | 1026 | 1086 | 540 | 507 | 60 | 481 | 441 | 39 | 600 | 27 | 1107 | 19 | 1315 | 314 | 523 | 622 | 600 | 1189 |
| KM 1001/4 R4A | 280R4 | 1510 | 965 | 795 | 775 | 710 | 710 | 309 | 950 | 710 | 1180 | 1975 | 1675 | M10x30 | 340 | 1128 | 1188 | 690 | 569 | 60 | 528 | 590 | 45 | 657 | 27 | 1319 | 19 | 1565 | 340 | 670 | 770 | 657 | 1399 |
| KM 1002/4 R4A | 250M4 | 1380 | 965 | 795 | 775 | 710 | 710 | 309 | 950 | 710 | 1180 | 1975 | 1675 | M10x30 | 340 | 1128 | 1188 | 600 | 569 | 60 | 528 | 500 | 45 | 657 | 27 | 1229 | 19 | 1435 | 340 | 580 | 680 | 657 | 1309 |

1 Con rodete de refrigeración

* Según tamaño motor

## DIMENSIONES (mm)

Modelos desde 711 hasta 1001




Brida aspiración

| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 711 | 500 | 551 | 505 | 585 | 10 | 12 |
| 801 | 560 | 629 | 566 | 666 | 10 | 12 |
| 901 | 630 | 698 | 636 | 736 | 10 | 12 |
| 1001 | 710 | 775 | 716 | 816 | 12 | 16 |

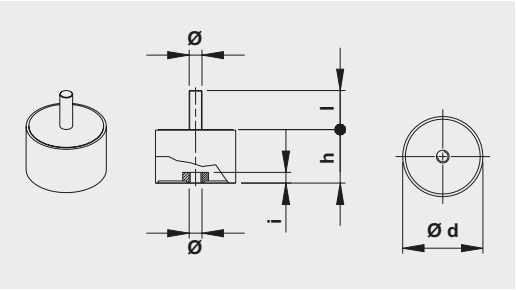
Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 711 | 560x400 | 569 | 404 | 629 | 464 | 669 | 504 | 160 | 14 | 3+3 | 4+4 |
| 801 | 630x450 | 638 | 453 | 698 | 513 | 738 | 553 | 160 | 14 | 3+3 | 4+4 |
| 901 | 710x500 | 715 | 507 | 775 | 567 | 815 | 607 | 160 | 14 | 3+3 | 5+5 |
| 1001 | 800x560 | 801 | 569 | 871 | 639 | 921 | 689 | 200 | 14 | 3+3 | 4+4 |

## AMORTIGUADORES

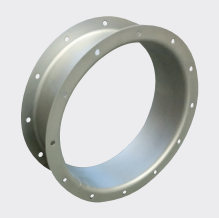
Amortiguadores recomendados

| Ventilador | Ejecución 4 |
|---|---|
| 221 | 4 x AM 20 - 20x20 |
| 251/2 | 4 x AM 20 - 20x20 |
| 281/2 | 4 x AM 20 - 20x20 |
| 311/2 | 4 x AM 25 - 25x20 |
| 351/2 | 4 x AM 25 - 25x20 |
| 401/2 | 4 x AM 30 - 30x30 |
| 451/2 | 4 x AM 40 - 40x30 |
| 501/2 | 4 x AM 50 - 50x40 |
| 561/2 | 4 x AM 40 - 40x30 |
| 631/2 | 4 x AM 40 - 40x30 |
| 711/2 | 4 x AM 50 - 50x40 |
| 801/2 | 4 x AM 75 - 75x50 |
| 901/2 | 4 x AM 75 - 75x50 |
| 1001/2 | 6 x AM 75 - 75x50 |

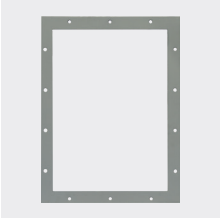



| Tipo | Carga para 4 soportes (kg) | d | h | Ø | l | Peso (kg) |
|---|---|---|---|---|---|---|
| AM 20 | 11÷40 | 20 | 20 | M6 | 15 | 0,02 |
| AM 25 | 41÷80 | 25 | 20 | M6 | 18 | 0,03 |
| AM 30 | 81÷140 | 30 | 30 | M8 | 20 | 0,05 |
| AM 40 | 141÷224 | 40 | 30 | M8 | 23 | 0,10 |
| AM 50 | 225÷315 | 50 | 40 | M10 | 28 | 0,20 |
| AM 75 | 316÷630 | 75 | 50 | M12 | 37 | 0,50 |

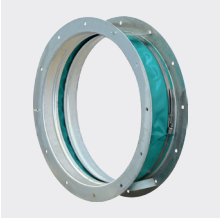
## ACCESORIOS



**CA (CFH1) - CFH2 - CFH3**
Contrabrida - Brida plana circular.



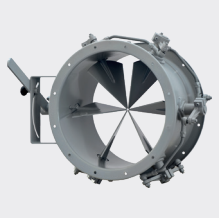
**CP**
Brida plana rectangular.



**GA**
Junta flexible aspiración.



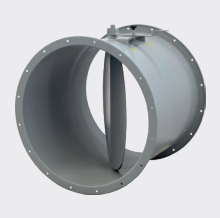
**GP**
Junta flexible descarga.



**DP**
Regulador de caudal de aspiración.



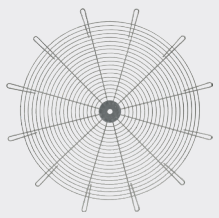
**SAD**
Compuerta de regulación de caudal de descarga.



**SF**
Vávula mariposa.



**DF**
Filtro en la aspiración.



**RC**
Rejilla de protección para la aspiración.



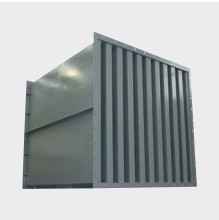
**AM/AZ**
Soportes antivibratorios.



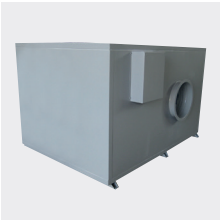
**SCSO**
Silenciador cilíndrico.



**SCCO**
Silenciador cilíndrico con bulbo.



**SASS**
Silenciador rectangular.



**CI**
Cabina de insonorización.

Ver información completa en página **772**.

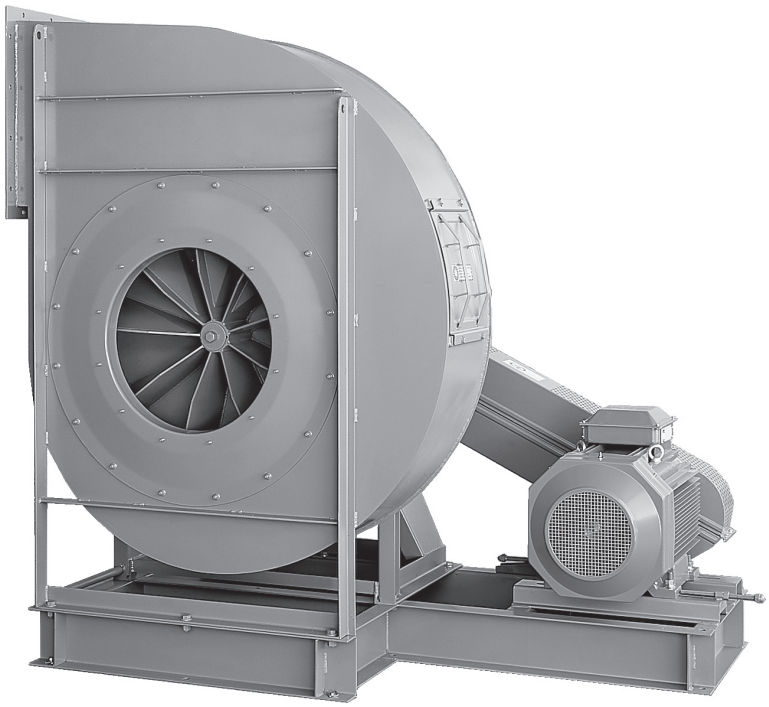
# KM

## VENTILADORES CENTRÍFUGOS PARA TRANSPORTE DE MATERIA

*TRANSMISIÓN*



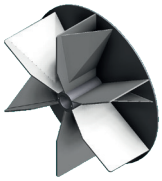
Ventilador centrífugo con accionamiento por poleas y correas y simple aspiración. Fabricados en chapa de acero protegida contra la corrosión mediante tratamiento por cataforesis + pintura poliuretana. Temperaturas del aire a transportar -20ºC/+100ºC en continuo.



APLICACIONES

**Aire a transportar**
Transporte de material y neumático

**Cantidad de polvo (mg/m³)**
<50000



Rodete de álabes hacia adelante para transporte de material

### Sistemas de montaje

- SISTEMA 1: eje libre, para acoplamiento mediante poleas y correas.
- SISTEMA 9: incluye motor, poleas, correas y protector de correas. Motor montado en el lateral del pie soporte rodamientos.
- SISTEMA 12: incluye motor, poleas, correas y protector de correas. Motor montado sobre la bancada general.

### Motores

De 2, 4 o 6 polos, de alta eficiencia IE 3* (las r.p.m. de cada motor se adaptarán al cálculo de cada transmisión), tensión de alimentación trifásica 230/400V 50Hz hasta tamaño motor 112 y 400/690V 50Hz para motores de mayor dimensión. Protección IP55, Clase F.

* Entre 75 y 200kW, los motores suministrados serán IE4.

### Bajo pedido

- Fabricación en diferentes materiales constructivos.
- Motores de 2 velocidades.
- Versiones de 60 Hz.
- Pintura en diferentes RAL.
- Versión para alta temperatura: hasta 300ºC (versiones B: con rodete de refrigeración).
- Trampilla de inspección, purga de drenaje, distintos tipos de estanqueidad a nivel de voluta y de paso de eje.
- Ventiladores estancos.
- Calorifugado.

### Versiones ATEX

Bajo pedido, versiones antiexplosivas según la Directiva ATEX para modelos trifásicos: Para trabajar a temperaturas de -20ºC a +60ºC, presión ambiente (absoluta) de 0,8 bar hasta 1,1 bar, según EN 14986.

- Gas:
  - Ex 3G IIB T2-T3-T4
  - Ex 3G IIB+H2 T2-T3-T4
- Polvo no conductivo:
  - Ex 2D* IIIB T195°C-T295°C
  - Ex 3D IIIB T195°C-T295°C
- Polvo conductivo (con motor IP65 IIIC):
  - Ex 2D* IIIC T195°C-T295°C
  - Ex 3D IIIC T195°C-T295°C

* Solo para aplicaciones de transporte de pelusas.

## CARACTERÍSTICAS TÉCNICAS

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación.

| Modelo | Caudal máximo ($m^3/h$) | Potencia motor máxima (kW) | Peso (kg)[1] | Momento de inercia ($kg \cdot m^2$)[2] |
|---|---|---|---|---|
| KM 251 R1A | 2.470 | 3,0 | 23 | 0,02 |
| KM 281 R1A | 3.100 | 4,0 | 33 | 0,04 |
| KM 311 R1A | 4.110 | 5,5 | 40 | 0,06 |
| KM 351 R1A | 5.260 | 7,5 | 67 | 0,11 |
| KM 401 R1A | 7.920 | 9,2 | 81 | 0,20 |
| KM 451 R1A | 10.550 | 11,0 | 95 | 0,38 |
| KM 501 R1A | 12.060 | 15,0 | 135 | 0,65 |
| KM 561 R1A | 15.300 | 18,5 | 165 | 1,08 |
| KM 631 R1A | 19.440 | 22,0 | 200 | 1,78 |
| KM 711 R1A | 25.110 | 30,0 | 270 | 3,13 |
| KM 801 R1A | 32.040 | 37,0 | 320 | 5,60 |
| KM 901 R1A | 38.880 | 45,0 | 390 | 10,00 |
| KM 1001 R1A | 48.240 | 55,0 | 505 | 16,80 |

[1] Para ejecución 1 y orientación LG270 o RD270
[2] Momento de inercia del rodete

SOPORTES SISTEMA 1

| Modelo | 251 | 281-311 | 351 | 401-451 | 501 | 561-631 |
|---|---|---|---|---|---|---|
| Soporte tipo | ST 47 AL19 | ST 62 AL24 | ST 80 AL28 | ST 90 AL38 | ST 100 AL42 | ST 110 AL48 |

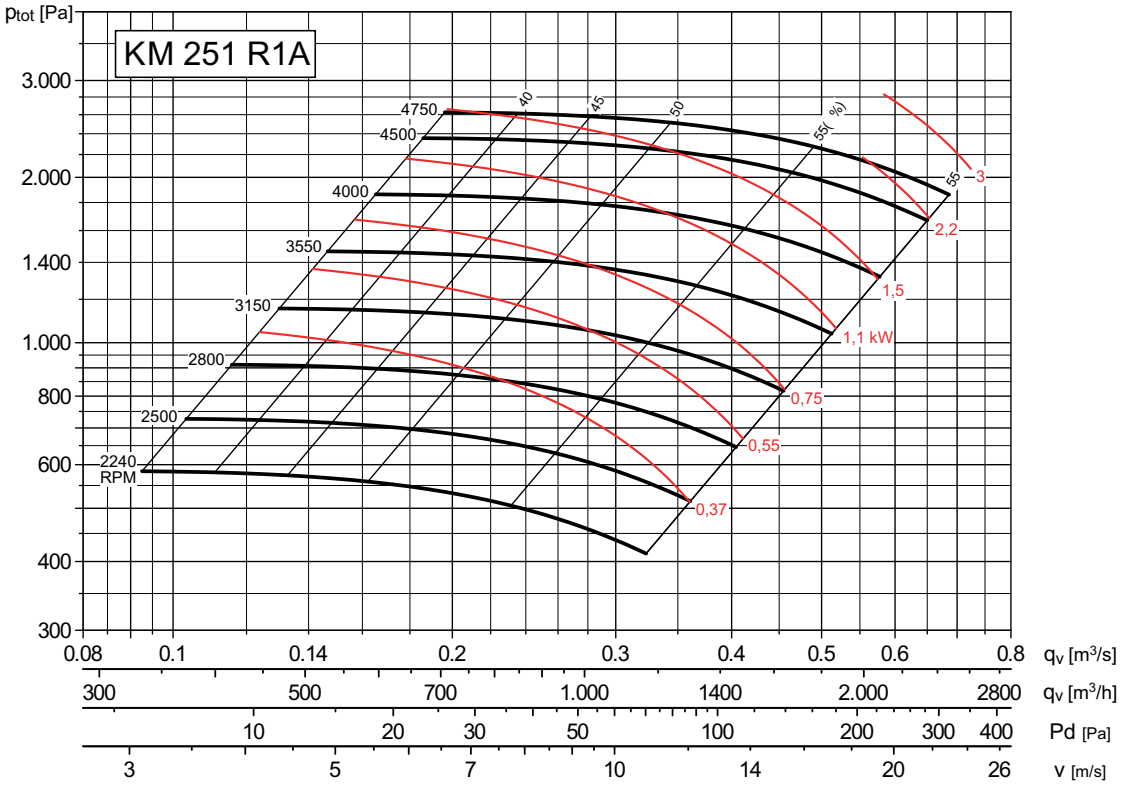
| Modelo | 711 | 801-901 | 1001 |
|---|---|---|---|
| Soporte tipo | ST 120 BL48 | ST 130 BL55 | SN 516 B-BL65 |

MOTORES SISTEMA 9

| Modelo | 251 | 281-311 | 351-451 | 561-631 | 711-901 | 901-1001 |
|---|---|---|---|---|---|---|
| Tamaño motor | ≤ 90 L2 | ≤ 112 M2 | ≤ 132 MB2 | ≤ 160 L2-4 | ≤ 180 L2-4 | ≤ 200 L4 |

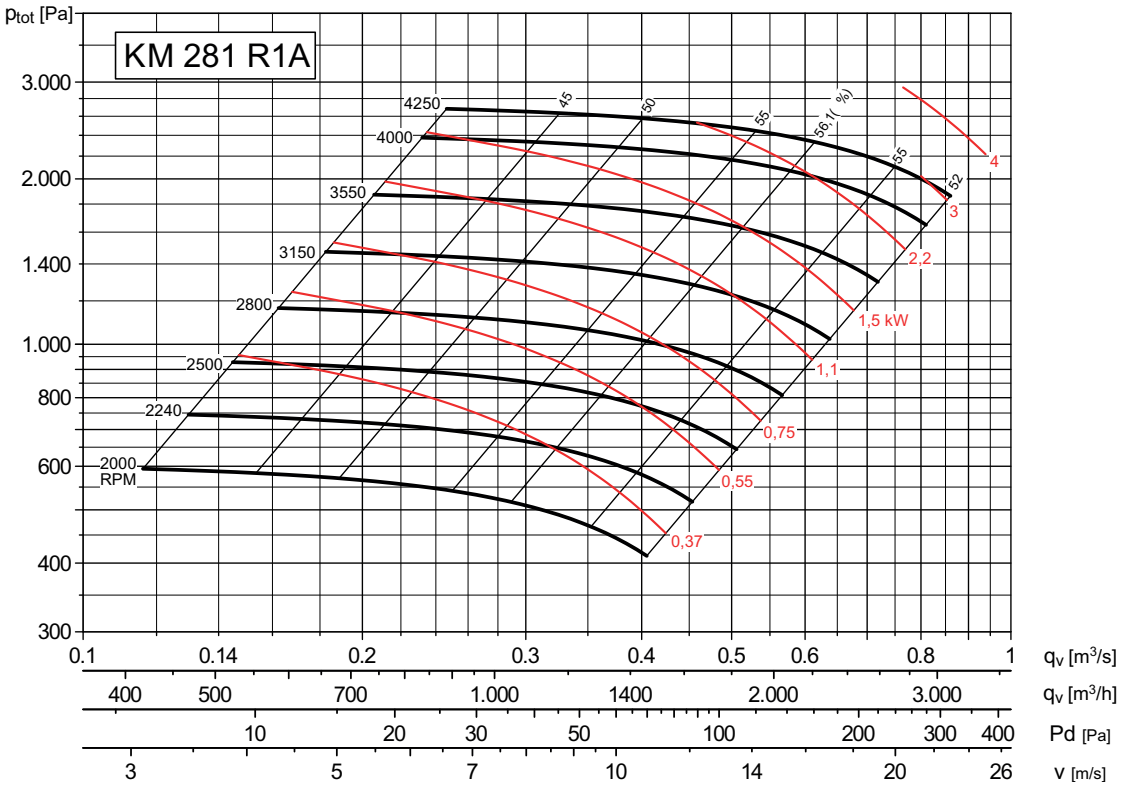
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 4750 rpm
101 ÷ 220°C = 4250 rpm

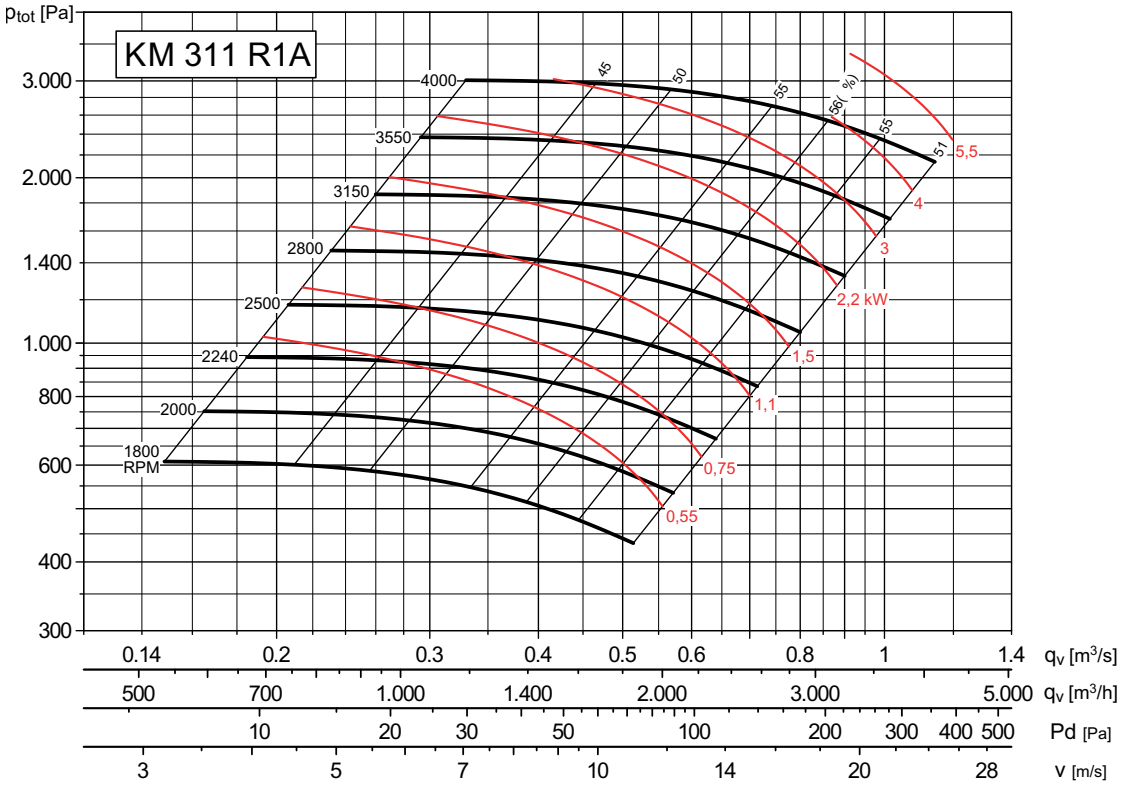



MAX. RPM

≤ 100°C = 4250 rpm
101 ÷ 220°C = 3750 rpm

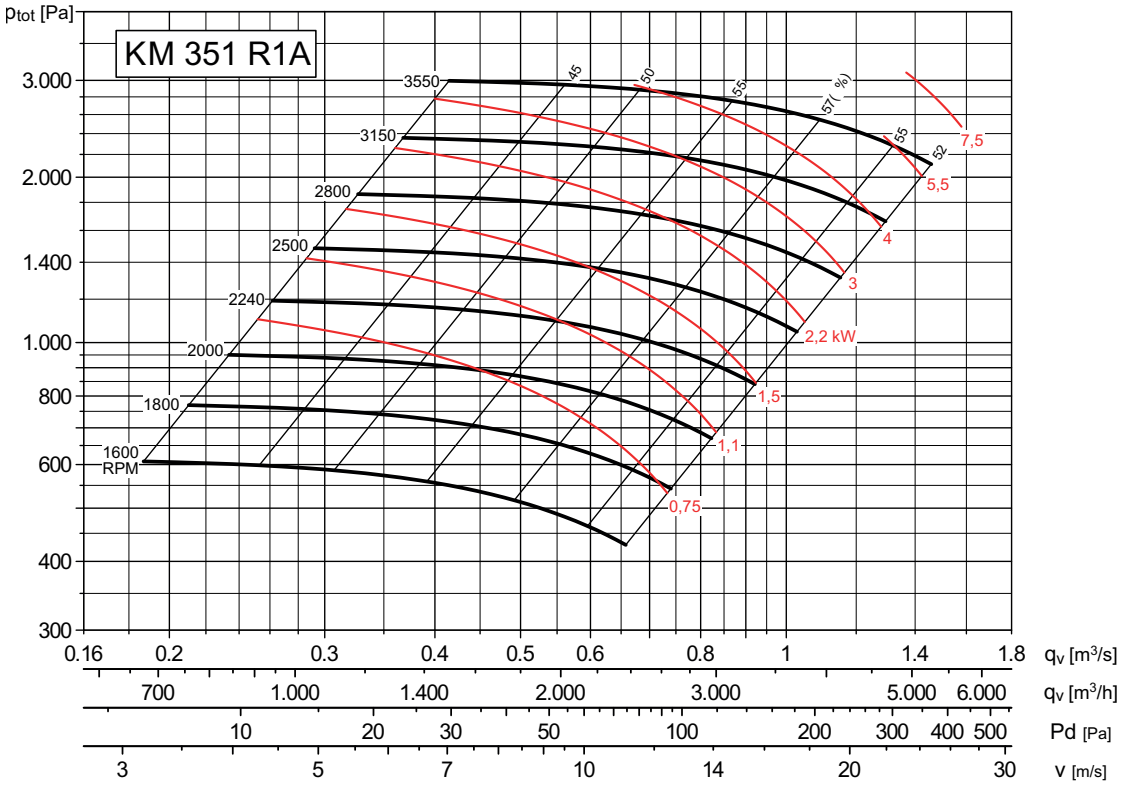
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 3750 rpm
101 ÷ 220°C = 3350 rpm

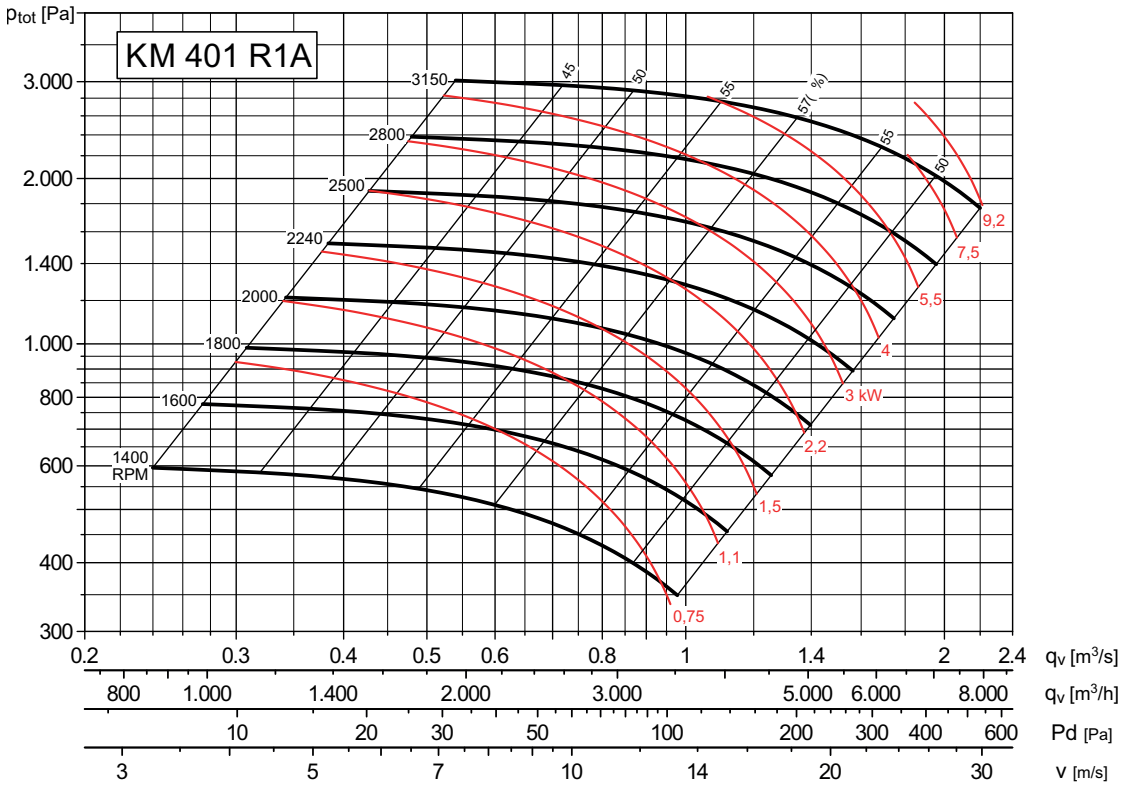



MAX. RPM

≤ 100°C = 3350 rpm
101 ÷ 220°C = 3000 rpm

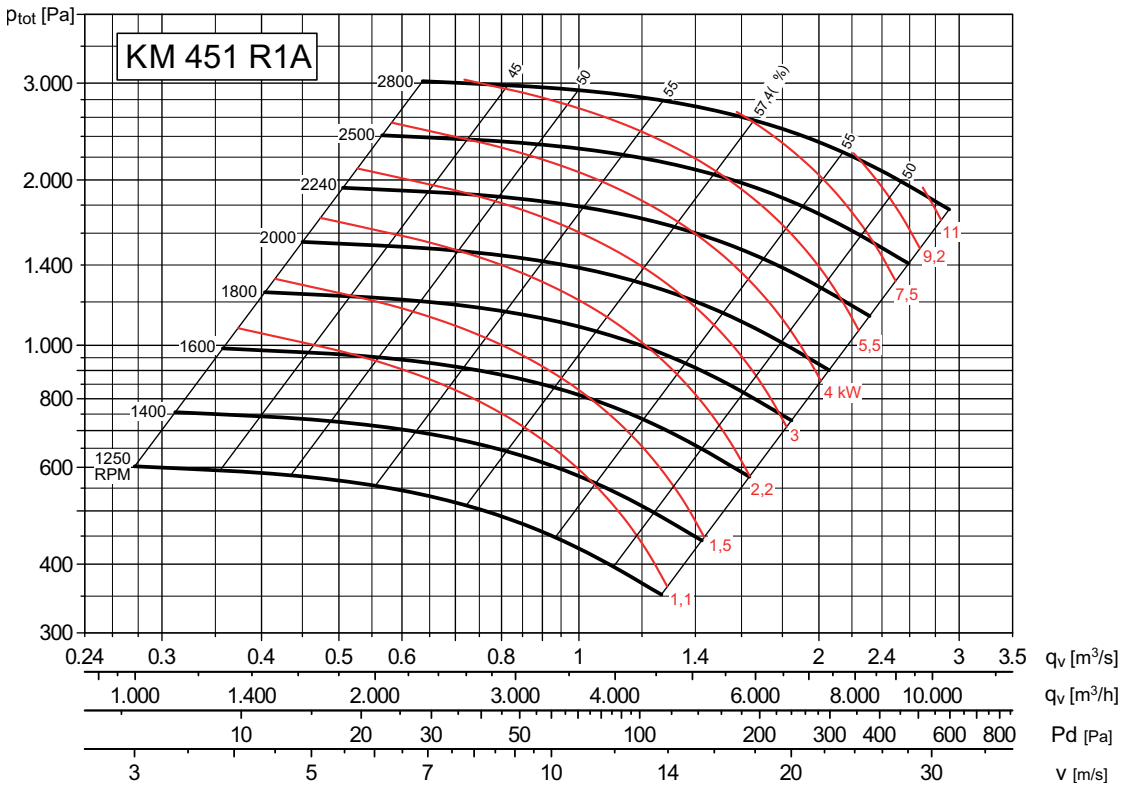
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 3000 rpm
101 ÷ 220°C = 2650 rpm

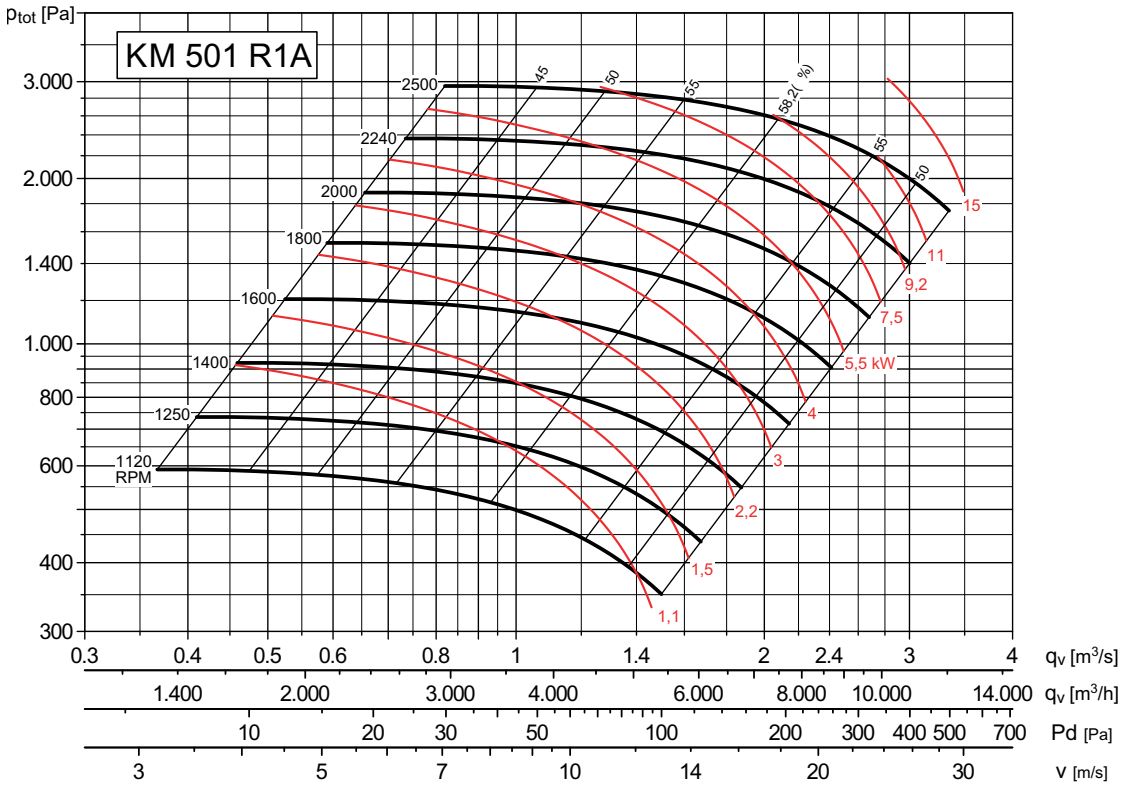



MAX. RPM

≤ 100°C = 2650 rpm
101 ÷ 220°C = 2360 rpm

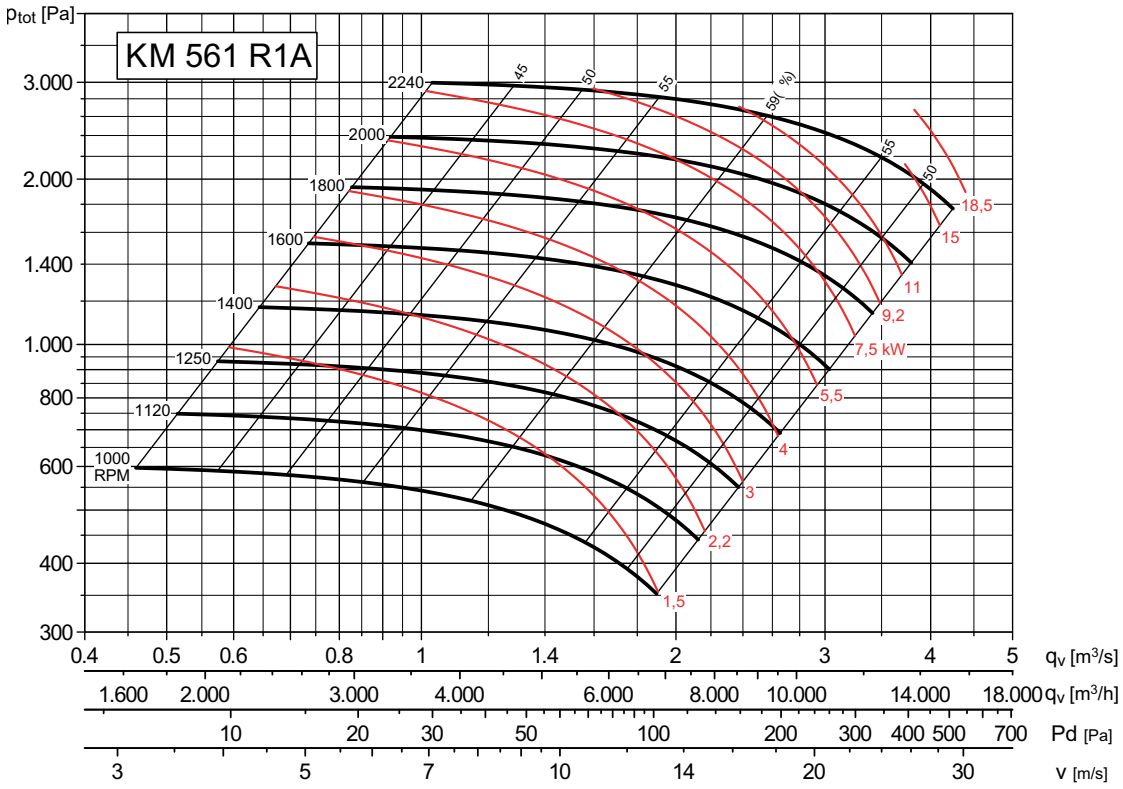
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 2360 rpm
101 ÷ 220°C = 2120 rpm

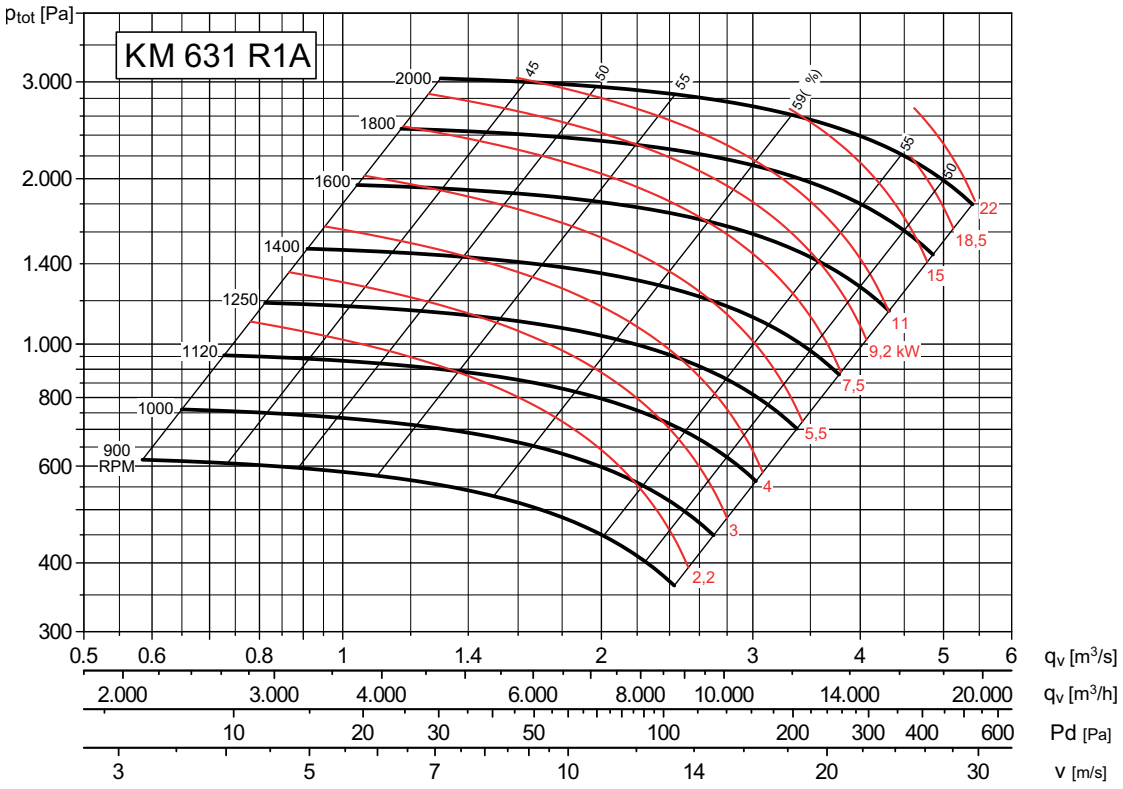



MAX. RPM

≤ 100°C = 2120 rpm
101 ÷ 220°C = 1900 rpm

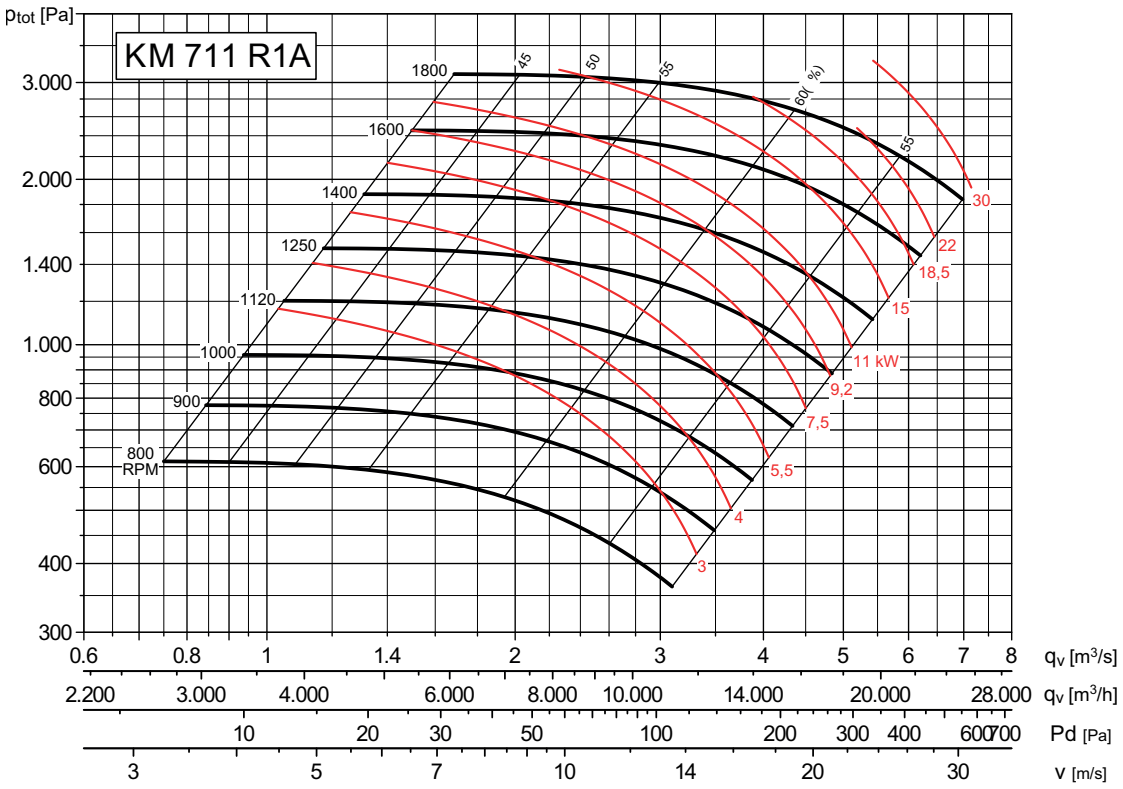
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 1900 rpm
101 ÷ 220°C = 1700 rpm

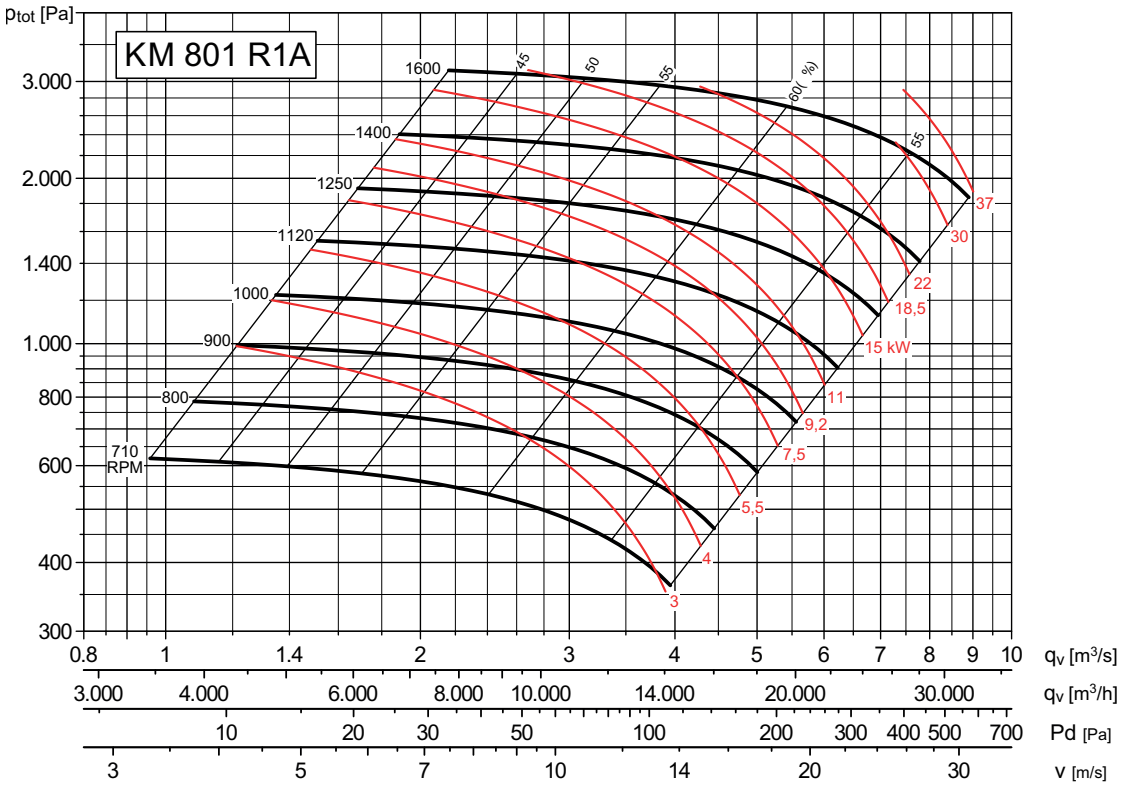



MAX. RPM

≤ 100°C = 1700 rpm
101 ÷ 220°C = 1500 rpm

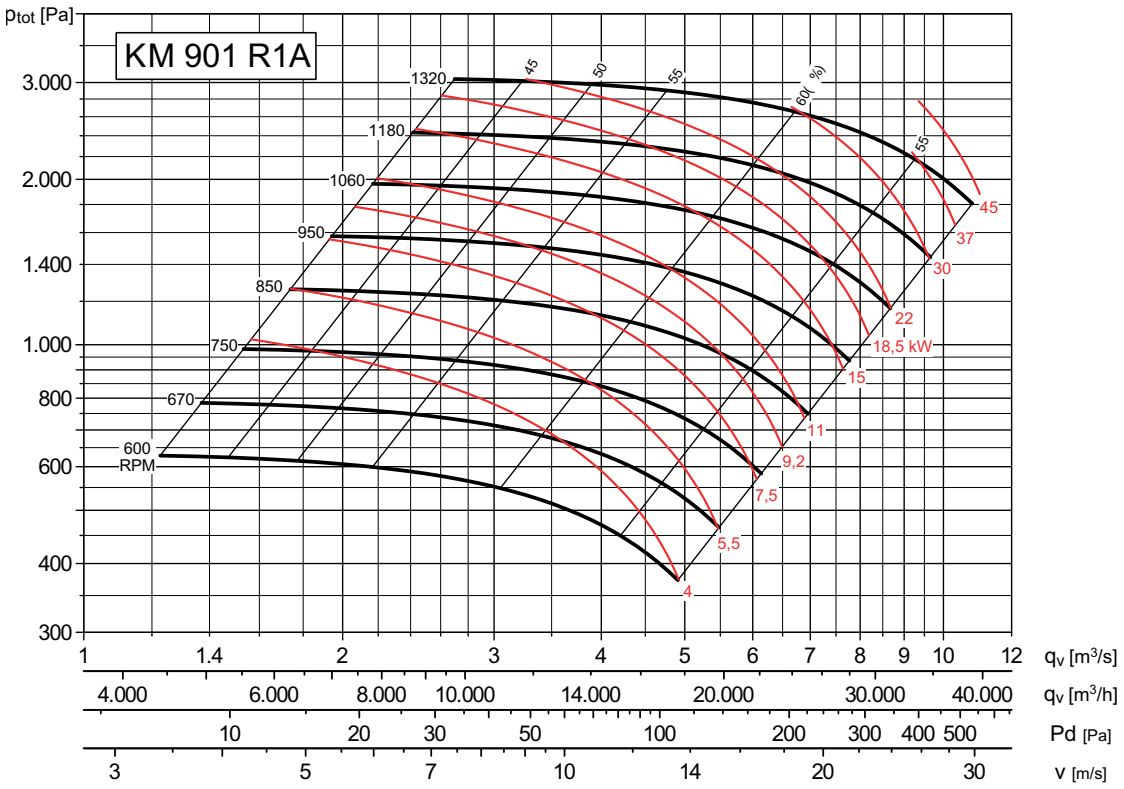
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 100°C = 1500 rpm
101 ÷ 220°C = 1320 rpm

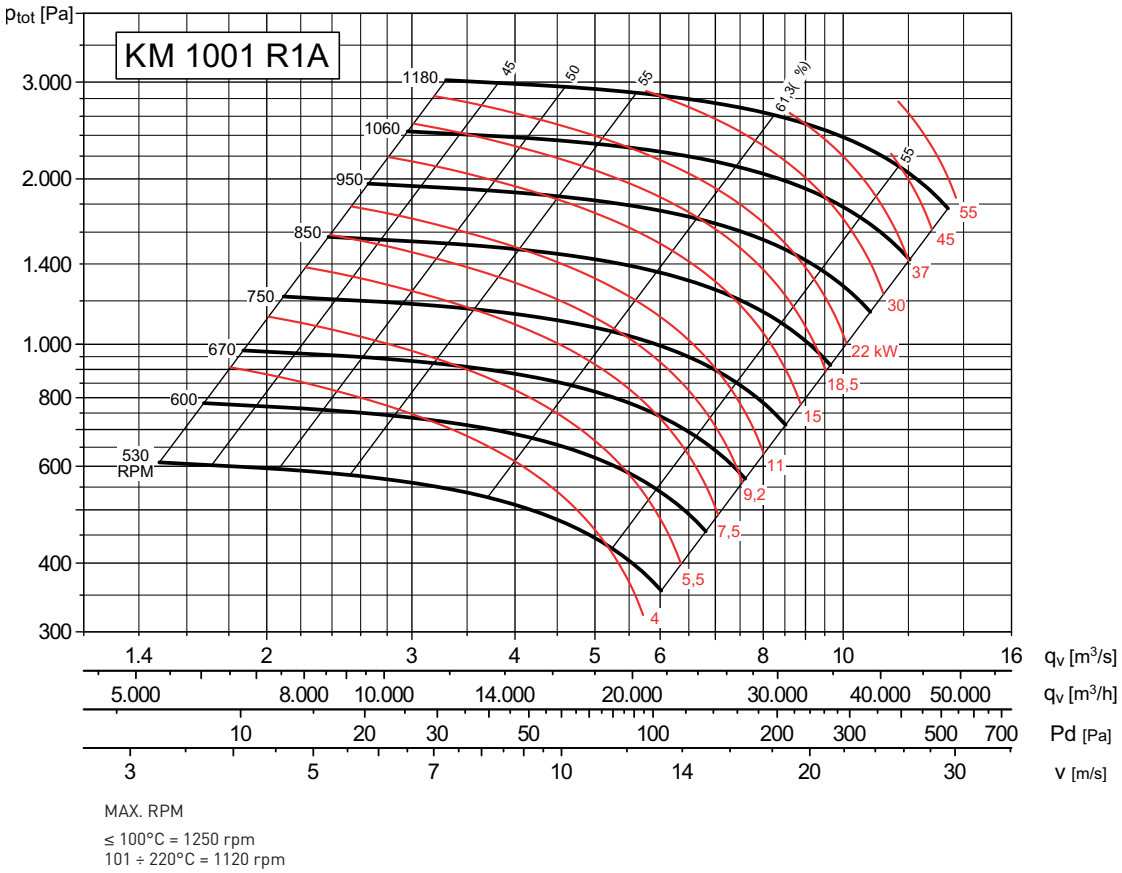



MAX. RPM

≤ 100°C = 1400 rpm
101 ÷ 220°C = 1250 rpm

## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**

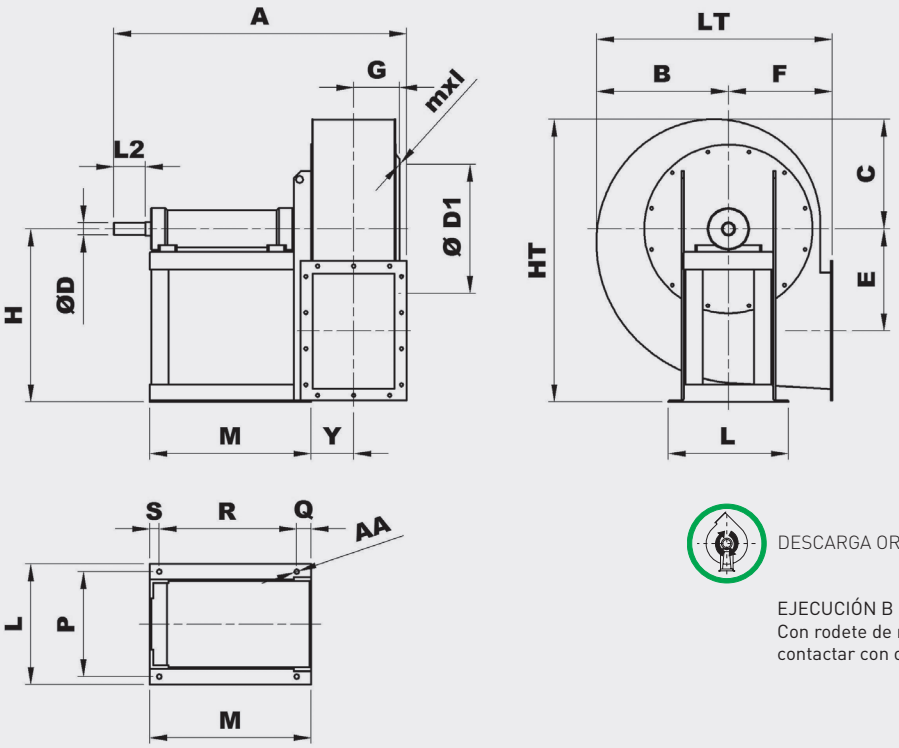



MAX. RPM

≤ 100°C = 1250 rpm
101 ÷ 220°C = 1120 rpm

## DIMENSIONES (mm)

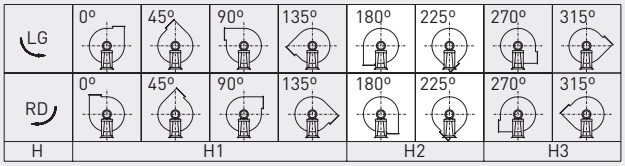
Modelos desde 251 hasta 501




DESCARGA ORIENTABLE

EJECUCIÓN B
Con rodete de refrigeración, contactar con oficina técnica.

ORIENTACIONES



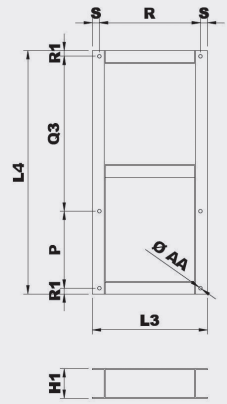

Para estas orientaciones, contactar con oficina técnica

| Modelo | A | B | C | ØD1 | E | F | G | H | | | HT | mxl | Y | LT | L | Eje | | Base | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | H1 | H2 | H3 | | | | | | ØD | L2 | P | M | Q | R | S | ØAA |
| KM 251 R1A | 490 | 245 | 210 | 219 | 176 | 195 | 79 | 315 | 195 | 315 | 525 | M6x16 | 76 | 440 | 255 | 19 | 40 | 228 | 282 | 55 | 210 | 17 | 10 |
| KM 281 R1A | 590 | 270 | 235 | 241 | 202 | 200 | 88 | 375 | 200 | 375 | 610 | M6x16 | 86 | 470 | 324 | 24 | 50 | 288 | 347 | 40 | 284 | 23 | 10 |
| KM 311 R1A | 605 | 300 | 260 | 265 | 230 | 225 | 99 | 400 | 225 | 400 | 660 | M6x16 | 96 | 525 | 324 | 24 | 50 | 288 | 347 | 40 | 284 | 23 | 12 |
| KM 351 R1A | 780 | 340 | 295 | 292 | 253 | 255 | 110 | 450 | 255 | 450 | 745 | M8x20 | 107 | 595 | 400 | 28 | 60 | 355 | 485 | 50 | 407 | 28 | 14 |
| KM 401 R1A | 825 | 375 | 330 | 332 | 286 | 285 | 122 | 500 | 285 | 500 | 830 | M8x20 | 120 | 660 | 400 | 38 | 80 | 355 | 485 | 50 | 407 | 28 | 14 |
| KM 451 R1A | 855 | 425 | 370 | 366 | 321 | 320 | 138 | 560 | 320 | 560 | 930 | M8x20 | 133 | 745 | 400 | 38 | 80 | 355 | 485 | 50 | 407 | 28 | 14 |
| KM 501 R1A | 1000 | 470 | 410 | 405 | 354 | 360 | 159 | 600 | 360 | 600 | 1010 | M8x20 | 149 | 830 | 418 | 42 | 110 | 364 | 560 | 50 | 477 | 33 | 17 |

## DIMENSIONES (mm)

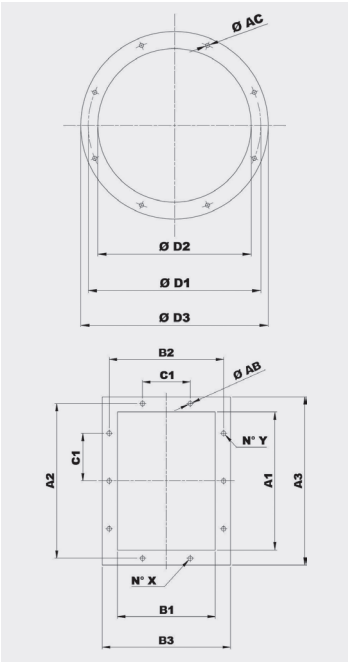
Modelos desde 251 hasta 501

R12




Bancada ejecución 12

| Modelo | H1 | P | L3 | L4 | Q3 | R | R1 | S | ØAA | Peso (kg) |
|---|---|---|---|---|---|---|---|---|---|---|
| 251 R12A | 80 | 228 | 244 | 700 | 445 | 210 | 13,5 | 17 | 10 | 6 |
| 281 R12A | 100 | 288 | 330 | 800 | 476 | 284 | 18 | 23 | 10 | 12 |
| 311 R12A | 100 | 288 | 330 | 800 | 476 | 284 | 18 | 23 | 12 | 12 |
| 351 R12A | 120 | 355 | 463 | 1010 | 610 | 407 | 22,5 | 28 | 14 | 20 |
| 401 R12A | 120 | 355 | 463 | 1010 | 610 | 407 | 22,5 | 28 | 14 | 20 |
| 451 R12A | 120 | 355 | 463 | 1010 | 610 | 407 | 22,5 | 28 | 14 | 20 |
| 501 R12A | 140 | 364 | 543 | 1150 | 732 | 477 | 27 | 33 | 17 | 26 |




Brida aspiración

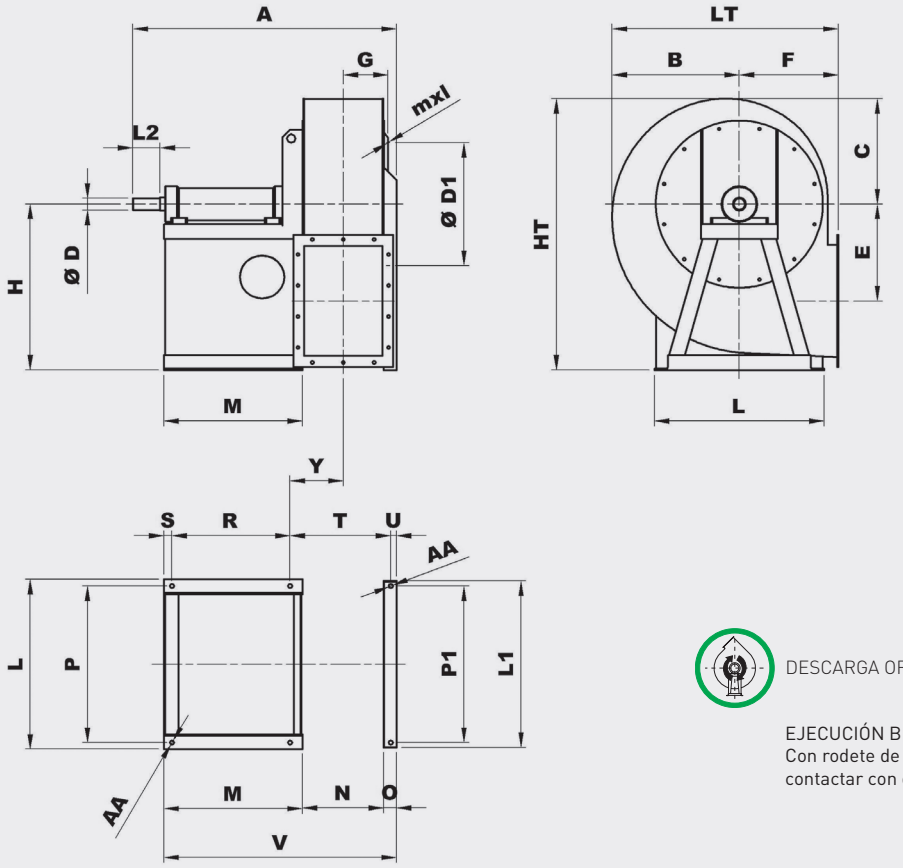
| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 221 | 125 | 165 | 129 | 189 | 8 | 4 |
| 251 | 180 | 219 | 184 | 254 | 8 | 8 |
| 281 | 200 | 241 | 204 | 274 | 8 | 8 |
| 311 | 224 | 265 | 228 | 298 | 8 | 8 |
| 351 | 250 | 292 | 254 | 324 | 10 | 8 |
| 401 | 280 | 332 | 285 | 365 | 10 | 8 |
| 451 | 315 | 366 | 320 | 400 | 10 | 8 |
| 501 | 355 | 405 | 360 | 440 | 10 | 8 |

Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 221 | 140x100 | 146 | 105 | 182 | 139 | 216 | 175 | 112 | 12 | 1+1 | 2+2 |
| 251 | 200x140 | 205 | 146 | 241 | 182 | 275 | 216 | 112 | 12 | 2+2 | 2+2 |
| 281 | 224x160 | 229 | 164 | 265 | 200 | 299 | 234 | 112 | 12 | 2+2 | 2+2 |
| 311 | 250x180 | 256 | 183 | 292 | 219 | 326 | 253 | 112 | 12 | 2+2 | 3+3 |
| 351 | 280x200 | 288 | 205 | 332 | 249 | 368 | 285 | 125 | 12 | 2+2 | 3+3 |
| 401 | 315x224 | 322 | 229 | 366 | 273 | 402 | 309 | 125 | 12 | 2+2 | 3+3 |
| 451 | 355x250 | 361 | 256 | 405 | 300 | 441 | 336 | 125 | 12 | 2+2 | 3+3 |
| 501 | 400x280 | 404 | 288 | 448 | 332 | 484 | 368 | 125 | 12 | 3+3 | 4+4 |

## DIMENSIONES (mm)

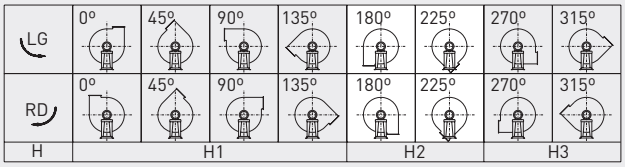
Modelos desde 561 hasta 631




DESCARGA ORIENTABLE

EJECUCIÓN B
Con rodete de refrigeración, contactar con oficina técnica.

ORIENTACIONES

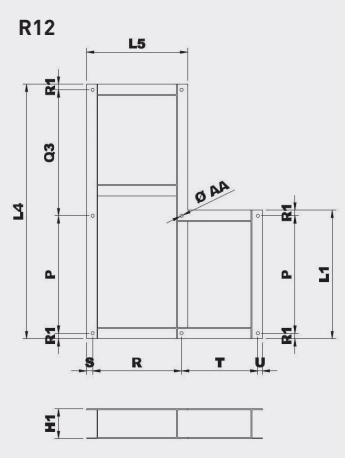



Para estas orientaciones, contactar con oficina técnica

| Modelo | A | B | C | ØD1 | E | F | G | H | | | HT | mxl | Y | LT | L | Eje | | Base | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | H1 | H2 | H3 | | | | | | ØD | L2 | P | L1 | P1 | M | N | O | R | S | T | U | V | ØAA |
| KM 561 R1A | 1070 | 550 | 451 | 448 | 391 | 400 | 181 | 670 | 400 | 670 | 1121 | M8x20 | 215 | 950 | 686 | 48 | 110 | 632 | 692 | 632 | 560 | 330 | 53 | 477 | 33 | 410 | 23 | 943 | 17 |
| KM 631 R1A | 1110 | 615 | 515 | 497 | 441 | 450 | 200 | 750 | 450 | 750 | 1265 | M8x20 | 236 | 1065 | 756 | 48 | 110 | 702 | 762 | 702 | 560 | 370 | 53 | 477 | 33 | 450 | 23 | 983 | 17 |

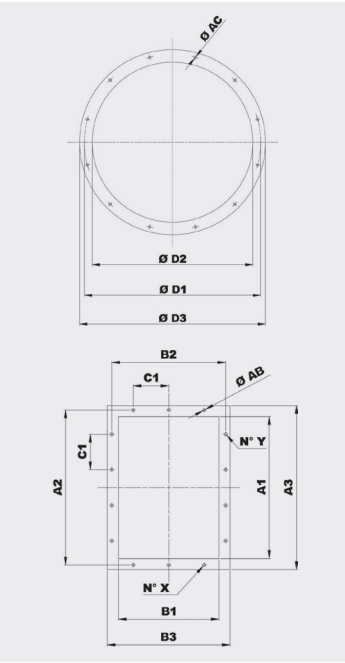
## DIMENSIONES (mm)

Modelos desde 561 hasta 631




Bancada ejecución 12

| Modelo | H1 | P | L1 | L4 | L5 | Q3 | R | R1 | S | T | U | ØAA | Peso (kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 561 R12A | 160 | 632 | 692 | 1370 (A) | 543 | 678 (B) | 477 | 30 | 33 | 410 | 23 | 17 | 47 |
| 631 R12A | 160 | 702 | 762 | 1470 (A) | 543 | 708 (B) | 477 | 30 | 33 | 450 | 23 | 17 | 48 |




Brida aspiración

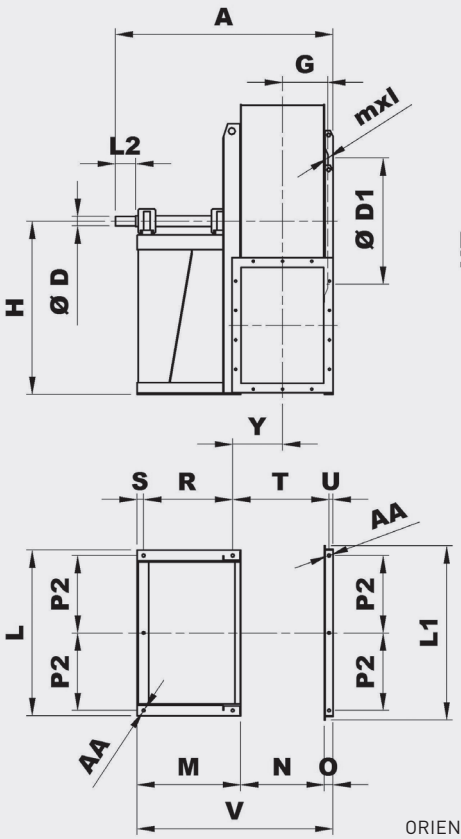
| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 561 | 400 | 448 | 405 | 485 | 10 | 12 |
| 631 | 450 | 497 | 455 | 535 | 10 | 12 |

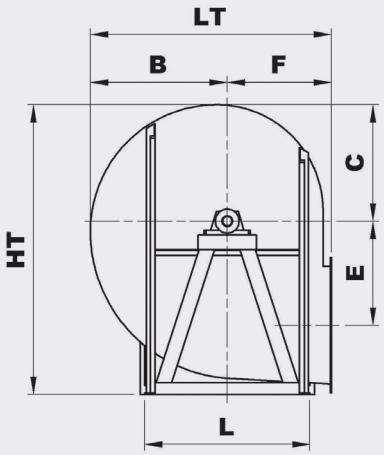
Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 561 | 450x315 | 453 | 322 | 497 | 366 | 533 | 402 | 125 | 12 | 3+3 | 4+4 |
| 631 | 500x355 | 507 | 361 | 551 | 405 | 587 | 441 | 125 | 12 | 3+3 | 4+4 |

## DIMENSIONES (mm)

Modelos desde 711 hasta 1001



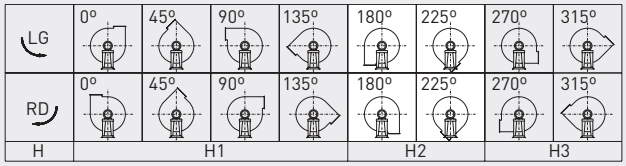






DESCARGA NO ORIENTABLE

EJECUCIÓN B
Con rodete de refrigeración, contactar con oficina técnica.

ORIENTACIONES

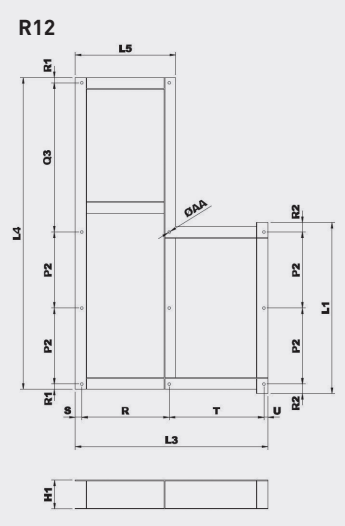



Para estas orientaciones, contactar con oficina técnica

| Modelo | A | B | C | ØD1 | E | F | G | H | | | HT | mxl | Y | LT | L | Eje | | Base | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | H1 | H2 | H3 | | | | | | ØD | L2 | L1 | M | N | O | P2 | R | S | T | U | V | ØAA |
| KM 711 R1A | 1250 | 690 | 565 | 551 | 500 | 500 | 222 | 670 | 500 | 850 | 1415 | M8x20 | 262 | 1190 | 836 | 48 | 110 | 896 | 650 | 404 | 60 | 386 | 551 | 39 | 497 | 27 | 1114 | 19 |
| KM 801 R1A | 1295 | 770 | 630 | 629 | 560 | 560 | 251 | 750 | 560 | 950 | 1580 | M8x20 | 287 | 1330 | 926 | 55 | 110 | 986 | 650 | 453 | 60 | 431 | 551 | 39 | 546 | 27 | 1163 | 19 |
| KM 901 R1A | 1350 | 860 | 705 | 698 | 630 | 630 | 278 | 850 | 630 | 1060 | 1765 | M8x20 | 314 | 1490 | 1026 | 55 | 110 | 1086 | 650 | 507 | 60 | 481 | 551 | 39 | 600 | 27 | 1217 | 19 |
| KM 1001 R1A | 1495 | 965 | 795 | 775 | 710 | 710 | 309 | 950 | 710 | 1180 | 1975 | M10x30 | 340 | 1675 | 1128 | 65 | 140 | 1188 | 707 | 569 | 60 | 528 | 607 | 45 | 657 | 27 | 1336 | 19 |

## DIMENSIONES (mm)

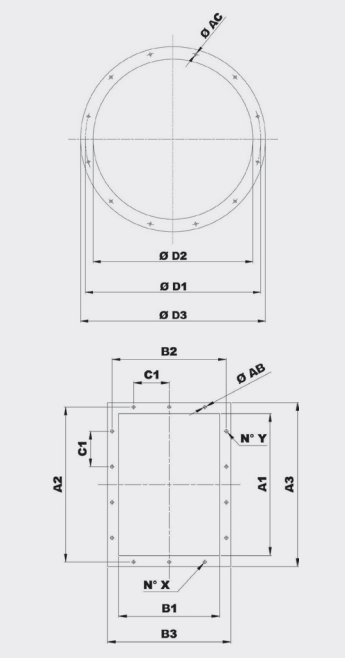
Modelos desde 711 hasta 1001




Bancada ejecución 12

| Modelo | H1 | P2 | L1 | L3 | L4 | L5 | Q3 | R | R1 | R2 | S | T | ØAA | Peso (kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 711 R12A | 180 | 386 | 896 | 1114 | 1643* | 629 | 807* | 551 | 32 | 62 | 39 | 497 | 19 | 82 |
| 801 R12A | 180 | 431 | 986 | 1163 | 1768** | 629 | 842** | 551 | 32 | 62 | 39 | 546 | 19 | 86 |
| 901 R12A | 180 | 481 | 1086 | 1217 | 2013 | 629 | 987 | 551 | 32 | 62 | 39 | 600 | 19 | 94 |
| 1001 R12A | 200 | 528 | 1188 | 1336 | 2164 | 697 | 1036 | 607 | 36 | 66 | 45 | 657 | 19 | 115 |

* Para motores de talla 250-280, esta cota aumenta en 150 mm
** Para motores de talla 250-280, esta cota aumenta en 100 mm




Brida aspiración

| Modelo | Tipo brida | ØD1 | ØD2 | ØD3 | ØAC | Agujeros |
|---|---|---|---|---|---|---|
| 711 | 500 | 551 | 505 | 585 | 10 | 12 |
| 801 | 560 | 629 | 566 | 666 | 10 | 12 |
| 901 | 630 | 698 | 636 | 736 | 10 | 12 |
| 1001 | 710 | 775 | 716 | 816 | 12 | 16 |

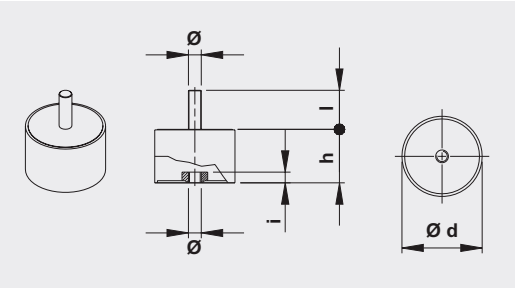
Brida descarga

| Modelo | Tipo brida | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | NºX | NºY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 711 | 560x400 | 569 | 404 | 629 | 464 | 669 | 504 | 160 | 14 | 3+3 | 4+4 |
| 801 | 630x450 | 638 | 453 | 698 | 513 | 738 | 553 | 160 | 14 | 3+3 | 4+4 |
| 901 | 710x500 | 715 | 507 | 775 | 567 | 815 | 607 | 160 | 14 | 3+3 | 5+5 |
| 1001 | 800x560 | 801 | 569 | 871 | 639 | 921 | 689 | 200 | 14 | 3+3 | 4+4 |

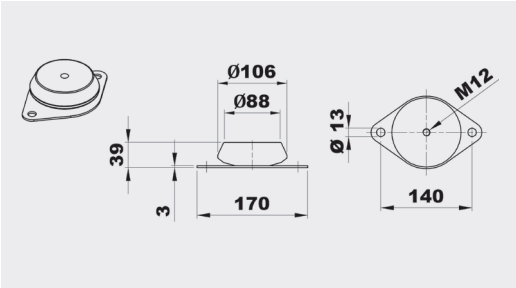
## AMORTIGUADORES

Amortiguadores recomendados

| Ventilador | Ejecución 9 | Ejecución 12 |
|---|---|---|
| 251 | 4 x AM 25 - 25x20 | 4 x AM 30 - 30x30 |
| 281 | 4 x AM 25 - 25x20 | 4 x AM 30 - 30x30 |
| 311 | 4 x AM 30 - 30x30 | 4 x AM 30 - 30x30 |
| 351 | 4 x AM 30 - 30x30 | 4 x AM 40 - 40x30 |
| 401 | 4 x AM 40 - 40x30 | 4 x AM 40 - 40x30 |
| 451 | 4 x AM 40 - 40x30 | 4 x AM 50 - 50x40 |
| 501 | 4 x AM 50 - 50x40 | 4 x AM 50 - 50x40 |
| 561 | 4 x AM 50 - 50x40 | 6 x AM 50 - 50x40 |
| 631 | 4 x AM 75 - 75x50 | 6 x AM 75 - 75x50 |
| 711 | 4 x AM 75 - 75x50 | 6 x AM 75 - 75x50 |
| 801 | 4 x AM 75 - 75x50 | 6 x AM 75 - 75x50 |
| 901 | 6 x AM 75 - 75x50 | 6 x AZ 39 - 140x39 |
| 1001 | 6 x AM 75 - 75x50 | 6 x AZ 39 - 140x39 |

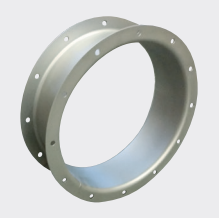



| Tipo | Carga para 4 soportes (kg) | d | h | Ø | l | Peso (kg) |
|---|---|---|---|---|---|---|
| AM 25 | 41÷80 | 25 | 20 | M6 | 18 | 0,03 |
| AM 30 | 81÷140 | 30 | 30 | M8 | 20 | 0,05 |
| AM 40 | 141÷224 | 40 | 30 | M8 | 23 | 0,10 |
| AM 50 | 225÷315 | 50 | 40 | M10 | 28 | 0,20 |
| AM 75 | 316÷630 | 75 | 50 | M12 | 37 | 0,50 |

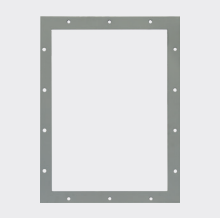



| Tipo | Carga para 4 soportes (kg) | Peso (kg) |
|---|---|---|
| AZ 39 | 631÷1250 | 0,7 |

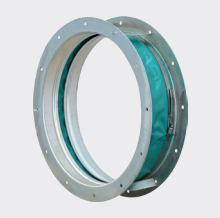
## ACCESORIOS



**CA (CFH1) - CFH2 - CFH3**
Contrabrida - Brida plana circular.



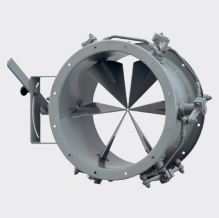
**CP**
Brida plana rectangular.



**GA**
Junta flexible aspiración.



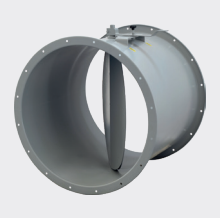
**GP**
Junta flexible descarga.



**DP**
Regulador de caudal de aspiración.



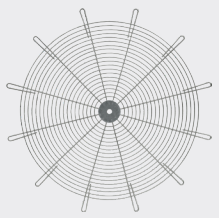
**SAD**
Compuerta de regulación de caudal de descarga.



**SF**
Vávula mariposa.



**DF**
Filtro en la aspiración.



**RC**
Rejilla de protección para la aspiración.



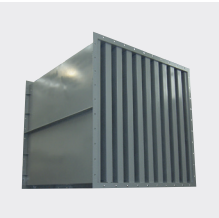
**AM/AZ**
Soportes antivibratorios.



**SCSO**
Silenciador cilíndrico.



**SCCO**
Silenciador cilíndrico con bulbo.



**SASS**
Silenciador rectangular.



**CI**
Cabina de insonorización.

Ver información completa en página **772**.

# Plug fans
# hornos

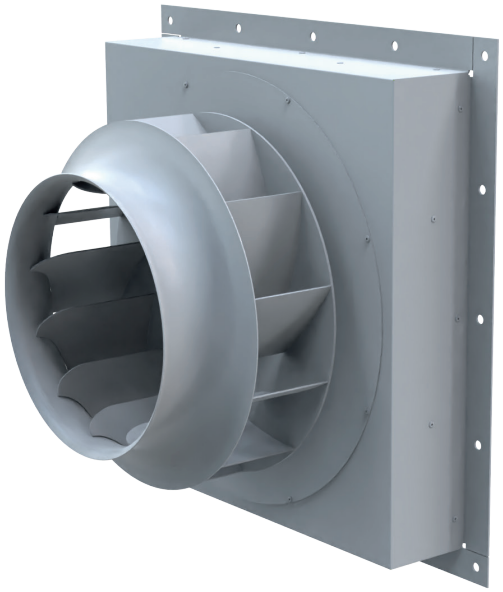
# CFST

## VENTILADORES CENTRÍFUGOS PARA HORNOS

*ACOPLAMIENTO DIRECTO*

250ºC

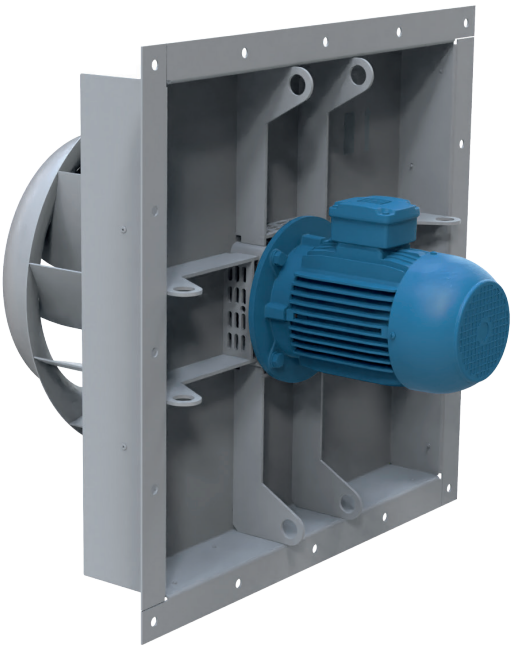
Ventilador centrífugo de acoplamiento directo para la recirculación de gases calientes. Cajón aislado fabricado en chapa de acero, con lana de roca de alta densidad y pintado con pintura anticalórica. Rodete de álabes curvados hacia atrás de alto rendimiento de la gama FR. Apto para trasegar gases hasta 250ºC en continuo.



**Motores**
Motores trifásicos 230/400V-50Hz y 400/690V-50Hz IP55, clase F.

**Información adicional**
La voluta y la embocadura se suministran como accesorios.

**Bajo demanda**
- Fabricación en materiales especiales para trabajo hasta 550ºC en continuo.
- Fabricación en acero inoxidable.
- Otros espesores para el cajón aislado.
- Motores a 60 Hz y diferentes voltajes.
- Motor con protección térmica PTC.
- Otras motorizaciones de acuerdo con el caudal y la presión solicitados por el cliente.



## CARACTERÍSTICAS TÉCNICAS

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación

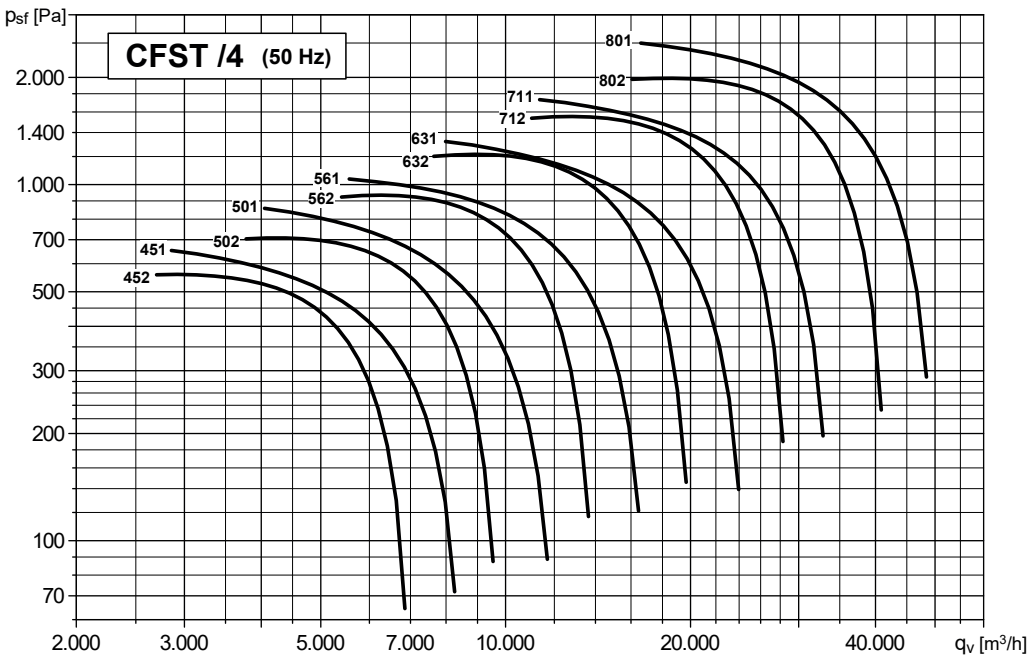
| Modelo | Velocidad (r.p.m.) | Potencia motor (kW) | Intensidad motor 400V (A) | Caudal máximo ($m^3/h$) | Nivel presión sonora (dB(A)) |
|---|---|---|---|---|---|
| 4 POLOS | | | | | |
| CFST/4-452 1,1 | 1440 | 1,10 | 2,37 | 7.182 | 64,0 |
| CFST/4-451 1,1 | 1440 | 1,10 | 2,37 | 5.585 | 65,0 |
| CFST/4-451 1,5 | 1440 | 1,50 | 3,30 | 8.045 | 65,0 |
| CFST/4-502 1,5 | 1440 | 1,50 | 3,30 | 6.629 | 67,0 |
| CFST/4-501 2,2 | 1420 | 2,20 | 4,43 | 11.078 | 67,9 |
| CFST/4-562 2,2 | 1420 | 2,20 | 4,43 | 7.435 | 69,4 |
| CFST/4-561 3 | 1425 | 3,00 | 5,96 | 9.596 | 71,1 |
| CFST/4-632 4 | 1440 | 4,00 | 7,85 | 10.718 | 73,4 |
| CFST/4-631 5,5 | 1460 | 6,00 | 10,40 | 14.803 | 75,2 |
| CFST/4-712 7,5 | 1460 | 8,00 | 13,90 | 26.500 | 77,1 |
| CFST/4-711 11 | 1465 | 11,00 | 21,20 | 18.500 | 78,9 |
| CFST/4-802 15 | 1460 | 15,00 | 28,70 | 33.335 | 80,9 |
| CFST/4-802 18,5 | 1460 | 18,50 | 35,10 | 39.244 | 80,9 |
| CFST/4-801 18,5 | 1460 | 18,50 | 35,10 | 28.235 | 82,9 |
| CFST/4-801 22 | 1460 | 22,00 | 40,50 | 47.673 | 82,9 |
| 6 POLOS | | | | | |
| CFST/6-502 0,55 | 910 | 0,55 | 1,57 | 6.379 | 57,0 |
| CFST/6-501 0,75 | 910 | 0,75 | 1,94 | 7.122 | 58,2 |
| CFST/6-562 0,75 | 910 | 0,75 | 1,94 | 8.233 | 59,7 |
| CFST/6-561 1,1 | 910 | 1,10 | 2,88 | 9.819 | 61,4 |
| CFST/6-632 1,5 | 940 | 1,50 | 3,80 | 12.343 | 64,2 |
| CFST/6-631 1,5 | 940 | 1,50 | 3,80 | 8.021 | 65,7 |
| CFST/6-631 2,2 | 945 | 2,20 | 5,26 | 14.134 | 65,8 |
| CFST/6-712 2,2 | 945 | 2,20 | 5,26 | 11.891 | 67,6 |
| CFST/6-712 3 | 955 | 3,00 | 6,76 | 17.371 | 67,9 |
| CFST/6-711 3 | 955 | 3,00 | 6,76 | 14.991 | 69,6 |
| CFST/6-711 4 | 955 | 4,00 | 8,71 | 20.452 | 69,6 |
| CFST/6-802 4 | 955 | 4,00 | 8,71 | 15.907 | 71,7 |
| CFST/6-802 5,5 | 960 | 5,50 | 12,40 | 25.353 | 71,8 |
| CFST/6-801 5,5 | 960 | 5,50 | 12,40 | 19.659 | 73,7 |
| CFST/6-801 7,5 | 965 | 7,50 | 15,00 | 31.347 | 73,9 |

## CURVAS CARACTERÍSTICAS

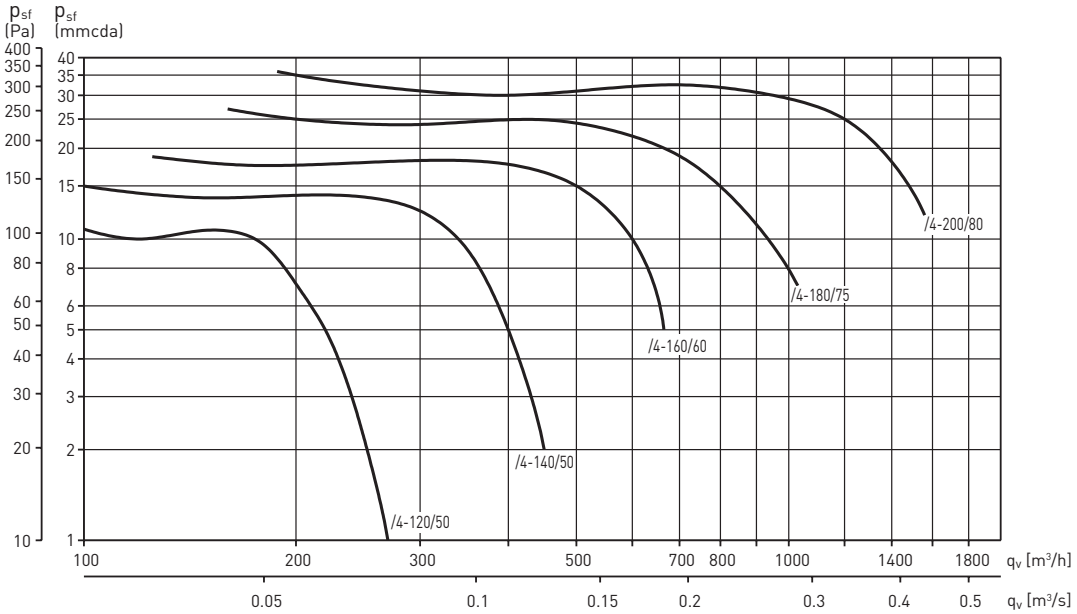
– Caudal en $m^3/h$

**– Psf: Presión estática en Pa**

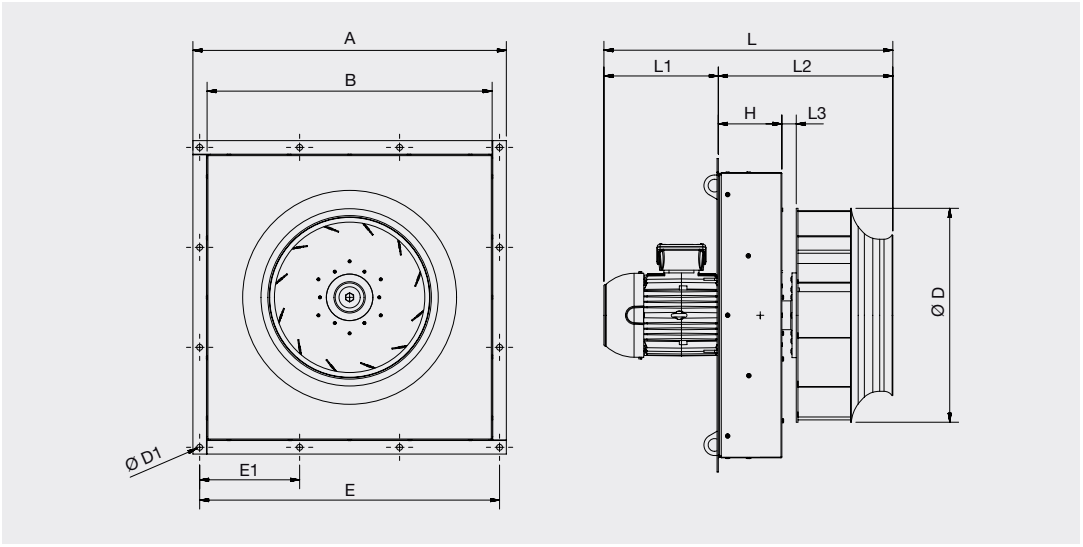
4 polos - Modelos desde 452 hasta 801




6 polos - Modelos desde 502 hasta 801

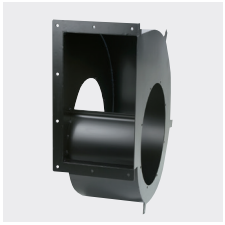


## DIMENSIONES (mm)

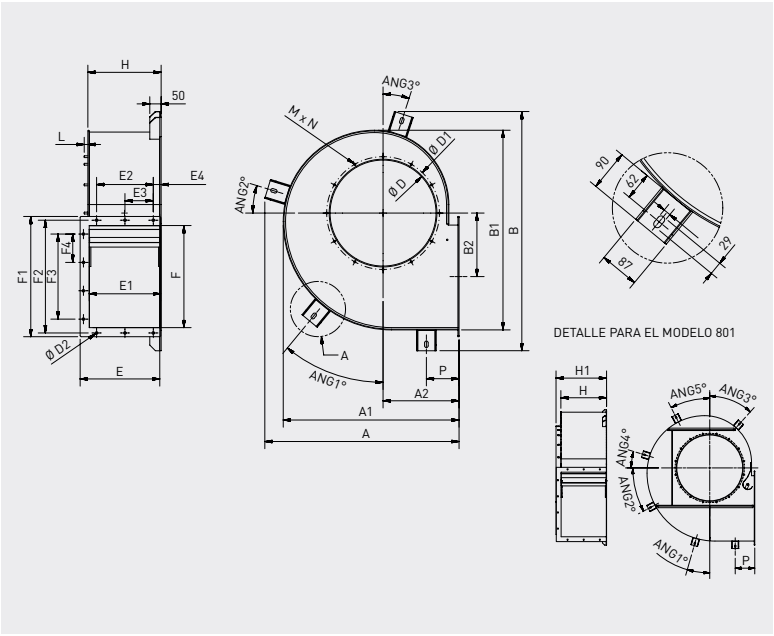



| Modelo | A | B | E | E1 | D | D1 | H | L | L1 | L2 | L3 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| CFST-451 | 740 | 674 | 708 | 236 | 455 | 14 | 150 | 619 (max.) | 234 (max.) | 385 | 34 |
| CFST-452 | 740 | 674 | 708 | 236 | 435 | 14 | 150 | 619 (max.) | 234 (max.) | 385 | 34 |
| CFST-501 | 740 | 674 | 708 | 236 | 505 | 14 | 150 | 682 (max.) | 270 (max.) | 408 | 34 |
| CFST-502 | 740 | 674 | 708 | 236 | 485 | 14 | 150 | 682 (max.) | 270 (max.) | 408 | 34 |
| CFST-561 | 820 | 720 | 768 | 192 | 560 | 14 | 150 | 711 (max.) | 270 (max.) | 441 | 35 |
| CFST-562 | 820 | 720 | 768 | 192 | 530 | 14 | 150 | 711 (max.) | 270 (max.) | 441 | 35 |
| CFST-631 | 820 | 720 | 768 | 192 | 630 | 14 | 150 | 862 (max.) | 385 (max.) | 477 | 39 |
| CFST-632 | 820 | 720 | 768 | 192 | 300 | 14 | 150 | 862 (max.) | 385 (max.) | 477 | 39 |
| CFST-711 | 990 | 890 | 930 | 233 | 715 | 14 | 150 | 1058 (max.) | 537 (max.) | 516 | 45 |
| CFST-712 | 990 | 890 | 930 | 233 | 675 | 14 | 150 | 1058 (max.) | 537 (max.) | 516 | 45 |
| CFST-801 | 990 | 890 | 930 | 233 | 810 | 14 | 150 | 1158 (max.) | 593 (max.) | 562 | 45 |
| CFST-802 | 990 | 890 | 930 | 233 | 760 | 14 | 150 | 1158 (max.) | 593 (max.) | 562 | 45 |

## ACCESORIOS



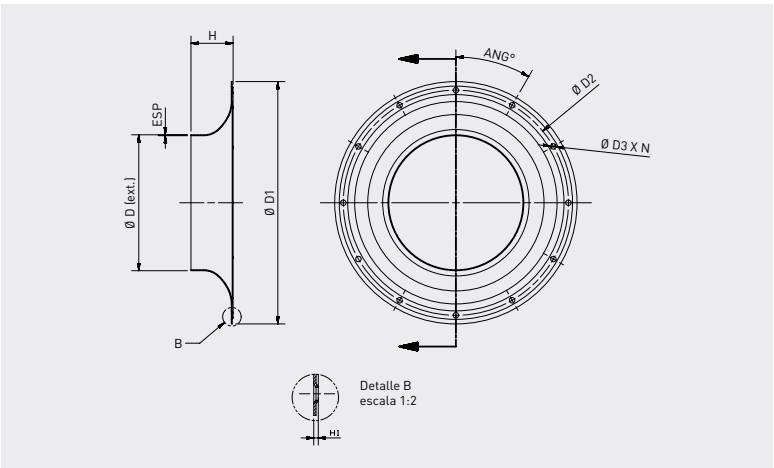
**VOLUTA CFST**
Voluta para montaje en la pared del horno, permite direccionar el aire y posibilita el acoplamiento de un conducto en la descarga.
Puede ser LG o RD.




| Modelo | A | A1 | A2 | B | B1 | B2 | D | D1 | D2 | E | E1 | E2 | E3 | E4 | F | F1 | F2 | F3 | F4 | H | H1 | L | M | N | P | ANG1 | ANG2 | ANG3 | ANG4 | ANG5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CFST 451 | 556 | 775 | 335 | 1055 | 880 | 280 | 467 | 497 | 11,5 | 357 | 315 | 250 | 125 | 36,5 | 450 | 530 | 497 | 375 | 125 | 323 | - | 20 | M8 | 12 | 144 | 39,5 | 17 | 18 | - | - |
| CFST 501 | 924 | 845 | 355 | 1153 | 980,5 | 315 | 520 | 551 | 11,5 | 399,5 | 355 | 250 | 125 | 57 | 500 | 580 | 551 | 375 | 125 | 364 | - | 20 | M8 | 12 | 144 | 39,5 | 17 | 18 | - | - |
| CFST 561 | 1027 | 950 | 400 | 1271 | 1100 | 355 | 580 | 629 | 11,5 | 454,5 | 400 | 320 | 160 | 44,5 | 560 | 660 | 629 | 480 | 160 | 409 | - | 20 | M8 | 16 | 148 | 39,5 | 17 | 18 | - | - |
| CFST 631 | - | 1070 | 450 | 1332 | 1240 | 400 | 645 | 698 | 11,5 | 504,5 | 450 | 320 | 160 | 69,5 | 630 | 725 | 698 | 480 | 160 | 459 | - | 25 | M10 | 16 | 48,5 | 45 | 45 | 40 | - | - |
| CFST 711 | 1277 | 1200 | 500 | 1584 | 1401 | 450 | 725 | 775 | 14 | 555 | 500 | 320 | 160 | 95 | 710 | 805 | 775 | 640 | 160 | 510 | - | 25 | M10 | 16 | 48,5 | 35 | 15 | 3 | - | - |
| CFST 801 | 1409 | 1340 | 560 | 1677 | 1560 | 500 | 820 | 861 | 14 | 620 | 560 | 400 | 200 | 83 | 800 | 920 | 871 | 600 | 200 | 566 | 626 | 35 | M12 | 16 | 243 | 16 | 17 | 42 | 28 | 27 |



**BOCA ASPIRACIÓN CFST**
Embocadura para montar en la aspiración.




| Modelo | D | D1 | D2 | D3 | ESP | H | H1 | N |
|---|---|---|---|---|---|---|---|---|
| CFST 451 | 300 | 535 | 497 | 12 | 2 | 93 | 4 | 12 |
| CFST 501 | 359 | 585 | 551 | 12 | 2 | 107 | 4 | 12 |
| CFST 561 | 404 | 665 | 629 | 12 | 2 | 125 | 4 | 16 |
| CFST 631 | 454 | 750 | 698 | 15 | 2,5 | 139 | 8 | 16 |
| CFST 701 | 505 | 838 | 775 | 15 | 3,5 | 160 | 8 | 16 |
| CFST 801 | 565 | 920 | 861 | 15 | 2,5 | 175 | 7,5 | 16 |

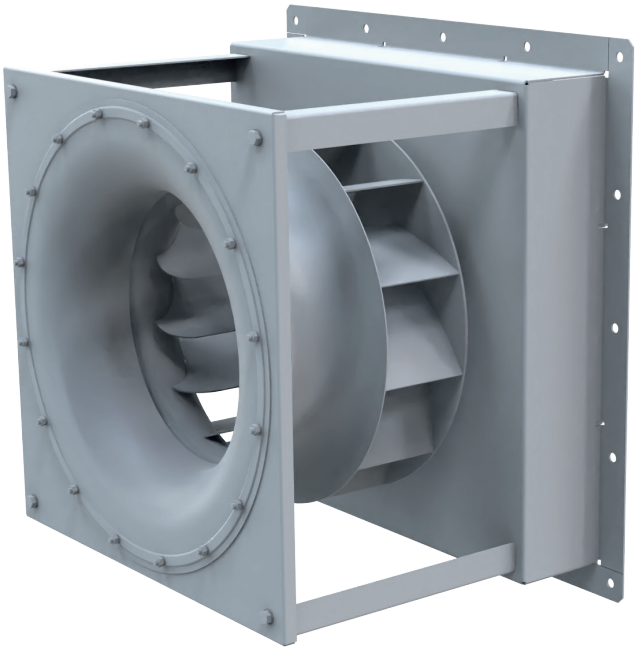
# CFSPT

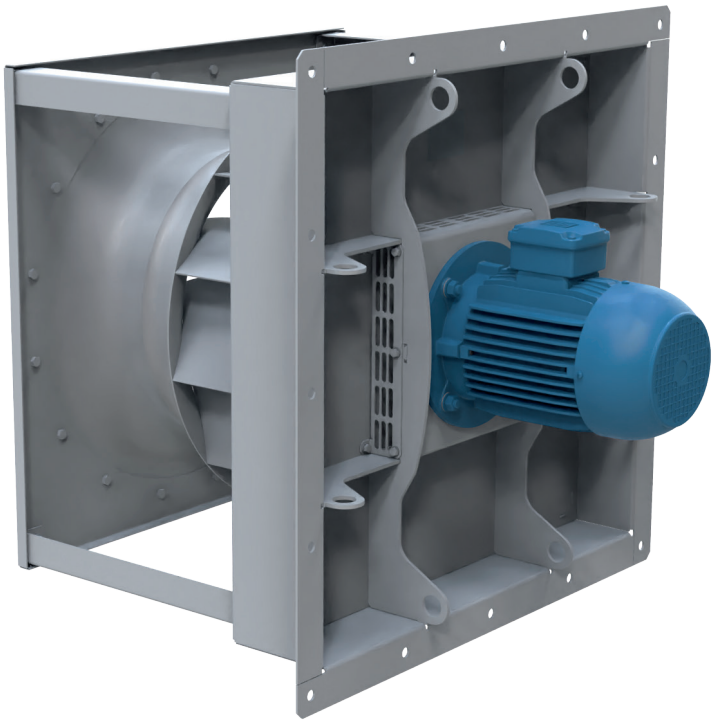
## VENTILADORES CENTRÍFUGOS PARA HORNOS

*ACOPLAMIENTO DIRECTO*

250°C

Ventilador centrífugo de acoplamiento directo para la recirculación de gases calientes. Cajón aislado fabricado en chapa de acero, con lana de roca de alta densidad y pintado con pintura anticalórica. Rodete de álabes curvados hacia atrás de alto rendimiento de la gama FR. Apto para trasegar gases hasta 250ºC en continuo.





**Motores**
Motores trifásicos 230/400V-50Hz y 400/690V-50Hz IP55, clase F.

**Información adicional**
La voluta y la embocadura se suministran como accesorios.

**Bajo demanda**
- Fabricación en materiales especiales para trabajo hasta 550ºC en continuo.
- Fabricación en acero inoxidable.
- Otros espesores para el cajón aislado.
- Motores a 60 Hz y diferentes voltajes.
- Motor con protección térmica PTC.
- Otras motorizaciones de acuerdo con el caudal y la presión solicitados por el cliente.

## CARACTERÍSTICAS TÉCNICAS

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación

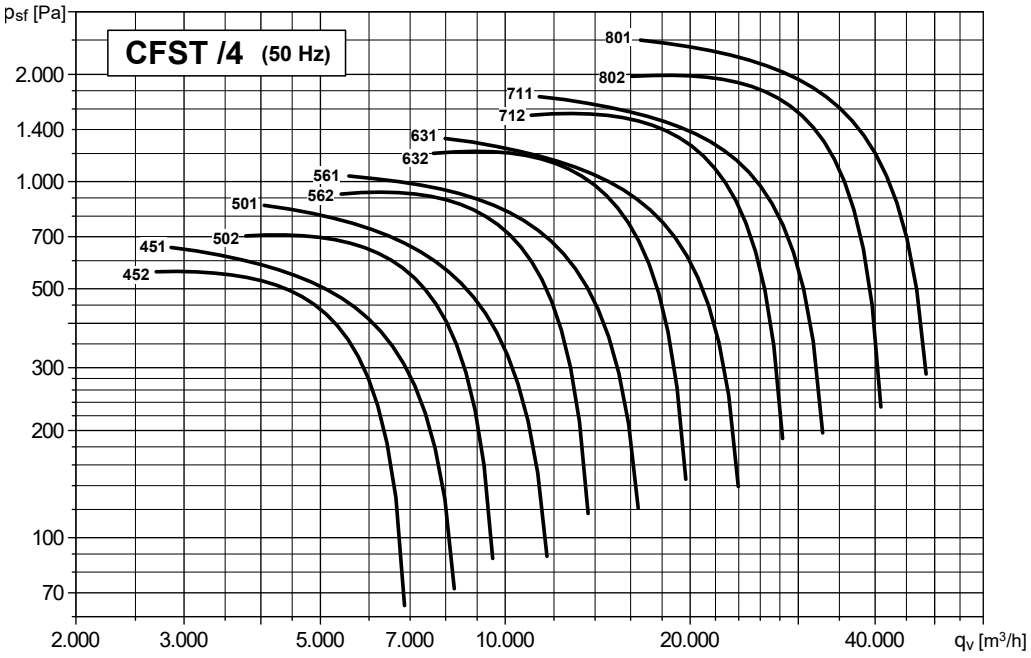
| Modelo | Velocidad (r.p.m.) | Potencia motor (kW) | Intensidad motor 400V (A) | Caudal máximo ($m^3/h$) | Nivel presión sonora (dB(A)) |
|---|---|---|---|---|---|
| 4 POLOS | | | | | |
| CFST/4-452 1,1 | 1440 | 1,10 | 2,37 | 7.182 | 64,0 |
| CFST/4-451 1,1 | 1440 | 1,10 | 2,37 | 5.585 | 65,0 |
| CFST/4-451 1,5 | 1440 | 1,50 | 3,30 | 8.045 | 65,0 |
| CFST/4-502 1,5 | 1440 | 1,50 | 3,30 | 6.629 | 67,0 |
| CFST/4-501 2,2 | 1420 | 2,20 | 4,43 | 11.078 | 67,9 |
| CFST/4-562 2,2 | 1420 | 2,20 | 4,43 | 7.435 | 69,4 |
| CFST/4-561 3 | 1425 | 3,00 | 5,96 | 9.596 | 71,1 |
| CFST/4-632 4 | 1440 | 4,00 | 7,85 | 10.718 | 73,4 |
| CFST/4-631 5,5 | 1460 | 6,00 | 10,40 | 14.803 | 75,2 |
| CFST/4-712 7,5 | 1460 | 8,00 | 13,90 | 26.500 | 77,1 |
| CFST/4-711 11 | 1465 | 11,00 | 21,20 | 18.500 | 78,9 |
| CFST/4-802 15 | 1460 | 15,00 | 28,70 | 33.335 | 80,9 |
| CFST/4-802 18,5 | 1460 | 18,50 | 35,10 | 39.244 | 80,9 |
| CFST/4-801 18,5 | 1460 | 18,50 | 35,10 | 28.235 | 82,9 |
| CFST/4-801 22 | 1460 | 22,00 | 40,50 | 47.673 | 82,9 |
| 6 POLOS | | | | | |
| CFST/6-502 0,55 | 910 | 0,55 | 1,57 | 6.379 | 57,0 |
| CFST/6-501 0,75 | 910 | 0,75 | 1,94 | 7.122 | 58,2 |
| CFST/6-562 0,75 | 910 | 0,75 | 1,94 | 8.233 | 59,7 |
| CFST/6-561 1,1 | 910 | 1,10 | 2,88 | 9.819 | 61,4 |
| CFST/6-632 1,5 | 940 | 1,50 | 3,80 | 12.343 | 64,2 |
| CFST/6-631 1,5 | 940 | 1,50 | 3,80 | 8.021 | 65,7 |
| CFST/6-631 2,2 | 945 | 2,20 | 5,26 | 14.134 | 65,8 |
| CFST/6-712 2,2 | 945 | 2,20 | 5,26 | 11.891 | 67,6 |
| CFST/6-712 3 | 955 | 3,00 | 6,76 | 17.371 | 67,9 |
| CFST/6-711 3 | 955 | 3,00 | 6,76 | 14.991 | 69,6 |
| CFST/6-711 4 | 955 | 4,00 | 8,71 | 20.452 | 69,6 |
| CFST/6-802 4 | 955 | 4,00 | 8,71 | 15.907 | 71,7 |
| CFST/6-802 5,5 | 960 | 5,50 | 12,40 | 25.353 | 71,8 |
| CFST/6-801 5,5 | 960 | 5,50 | 12,40 | 19.659 | 73,7 |
| CFST/6-801 7,5 | 965 | 7,50 | 15,00 | 31.347 | 73,9 |

## CURVAS CARACTERÍSTICAS

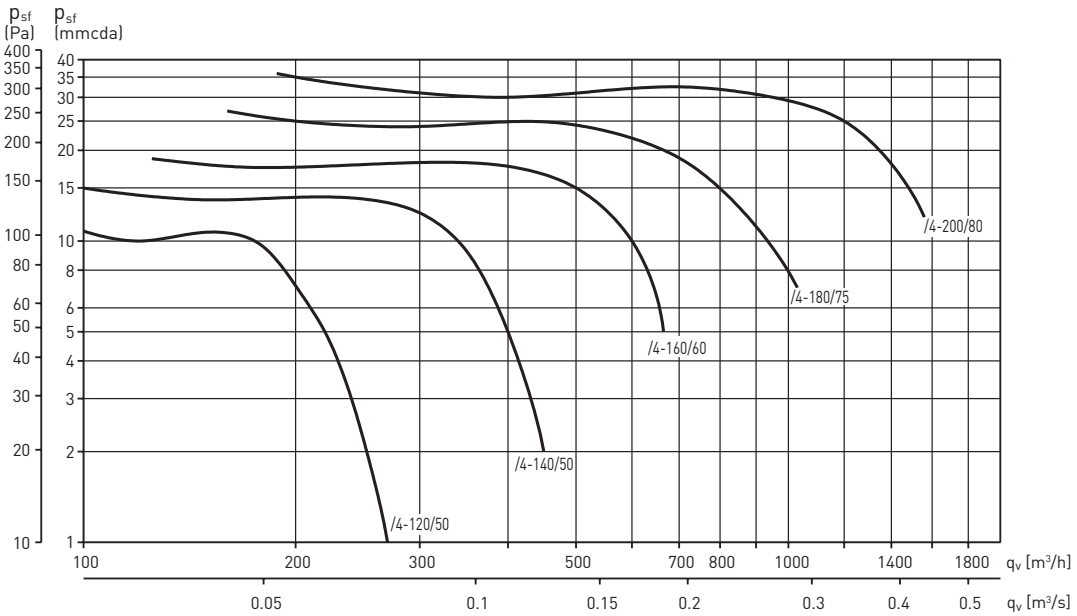
– Caudal en $m^3/h$

**– Psf: Presión estática en Pa**

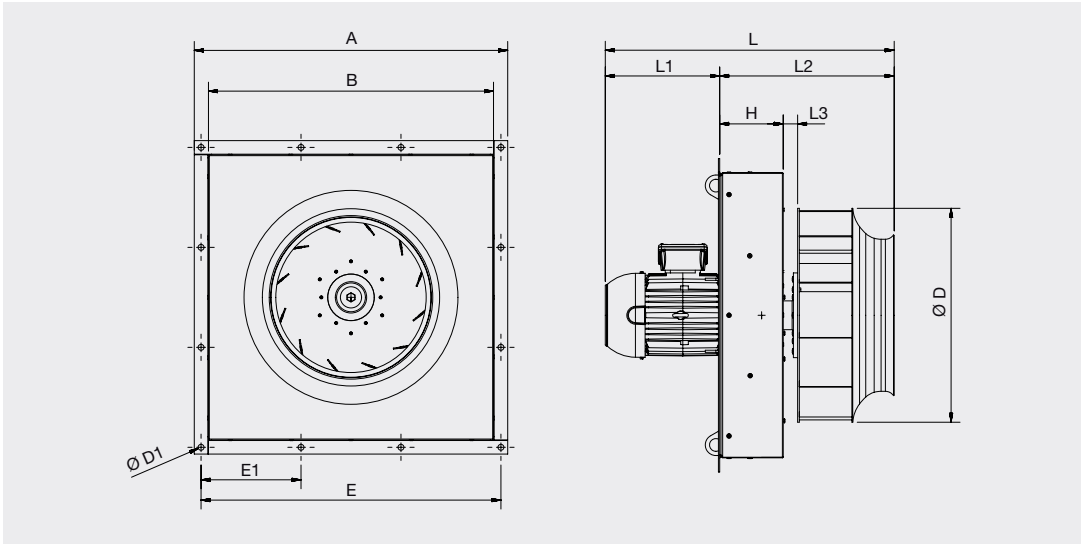
4 polos - Modelos desde 452 hasta 801




6 polos - Modelos desde 502 hasta 801

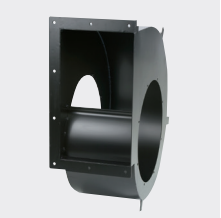


## DIMENSIONES (mm)

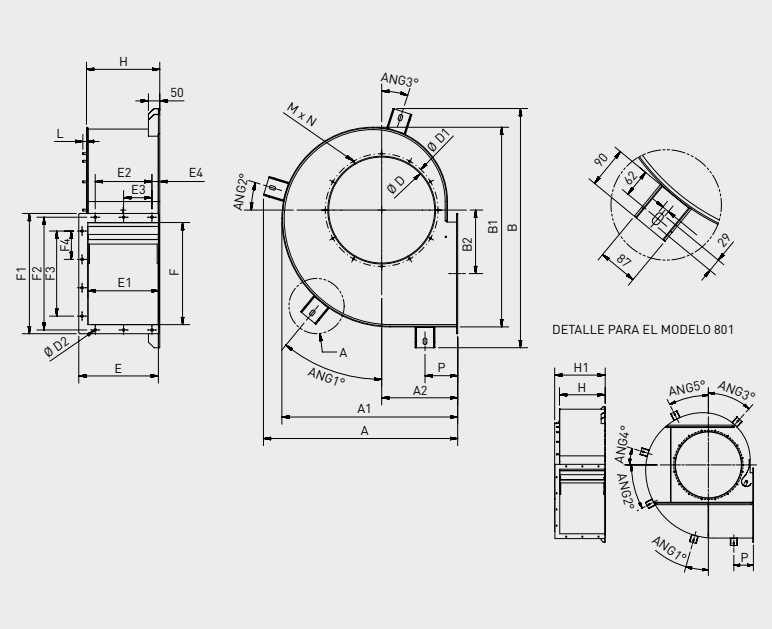



| Modelo | A | B | E | E1 | D | D1 | H | L | L1 | L2 | L3 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| CFST-451 | 740 | 674 | 708 | 236 | 455 | 14 | 150 | 619 (max.) | 234 (max.) | 385 | 34 |
| CFST-452 | 740 | 674 | 708 | 236 | 435 | 14 | 150 | 619 (max.) | 234 (max.) | 385 | 34 |
| CFST-501 | 740 | 674 | 708 | 236 | 505 | 14 | 150 | 682 (max.) | 270 (max.) | 408 | 34 |
| CFST-502 | 740 | 674 | 708 | 236 | 485 | 14 | 150 | 682 (max.) | 270 (max.) | 408 | 34 |
| CFST-561 | 820 | 720 | 768 | 192 | 560 | 14 | 150 | 711 (max.) | 270 (max.) | 441 | 35 |
| CFST-562 | 820 | 720 | 768 | 192 | 530 | 14 | 150 | 711 (max.) | 270 (max.) | 441 | 35 |
| CFST-631 | 820 | 720 | 768 | 192 | 630 | 14 | 150 | 862 (max.) | 385 (max.) | 477 | 39 |
| CFST-632 | 820 | 720 | 768 | 192 | 300 | 14 | 150 | 862 (max.) | 385 (max.) | 477 | 39 |
| CFST-711 | 990 | 890 | 930 | 233 | 715 | 14 | 150 | 1058 (max.) | 537 (max.) | 516 | 45 |
| CFST-712 | 990 | 890 | 930 | 233 | 675 | 14 | 150 | 1058 (max.) | 537 (max.) | 516 | 45 |
| CFST-801 | 990 | 890 | 930 | 233 | 810 | 14 | 150 | 1158 (max.) | 593 (max.) | 562 | 45 |
| CFST-802 | 990 | 890 | 930 | 233 | 760 | 14 | 150 | 1158 (max.) | 593 (max.) | 562 | 45 |

## ACCESORIOS



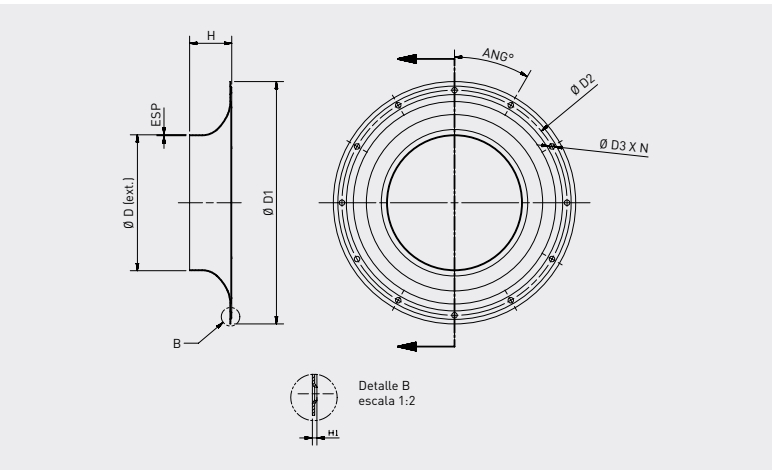
**VOLUTA CFST**
Voluta para montaje en la pared del horno, permite direccionar el aire y posibilita el acoplamiento de un conducto en la descarga.
Puede ser LG o RD.




| Modelo | A | A1 | A2 | B | B1 | B2 | D | D1 | D2 | E | E1 | E2 | E3 | E4 | F | F1 | F2 | F3 | F4 | H | H1 | L | M | N | P | ANG1 | ANG2 | ANG3 | ANG4 | ANG5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CFST 451 | 556 | 775 | 335 | 1055 | 880 | 280 | 467 | 497 | 11,5 | 357 | 315 | 250 | 125 | 36,5 | 450 | 530 | 497 | 375 | 125 | 323 | - | 20 | M8 | 12 | 144 | 39,5 | 17 | 18 | - | - |
| CFST 501 | 924 | 845 | 355 | 1153 | 980,5 | 315 | 520 | 551 | 11,5 | 399,5 | 355 | 250 | 125 | 57 | 500 | 580 | 551 | 375 | 125 | 364 | - | 20 | M8 | 12 | 144 | 39,5 | 17 | 18 | - | - |
| CFST 561 | 1027 | 950 | 400 | 1271 | 1100 | 355 | 580 | 629 | 11,5 | 454,5 | 400 | 320 | 160 | 44,5 | 560 | 660 | 629 | 480 | 160 | 409 | - | 20 | M8 | 16 | 148 | 39,5 | 17 | 18 | - | - |
| CFST 631 | - | 1070 | 450 | 1332 | 1240 | 400 | 645 | 698 | 11,5 | 504,5 | 450 | 320 | 160 | 69,5 | 630 | 725 | 698 | 480 | 160 | 459 | - | 25 | M10 | 16 | 48,5 | 45 | 45 | 40 | - | - |
| CFST 711 | 1277 | 1200 | 500 | 1584 | 1401 | 450 | 725 | 775 | 14 | 555 | 500 | 320 | 160 | 95 | 710 | 805 | 775 | 640 | 160 | 510 | - | 25 | M10 | 16 | 48,5 | 35 | 15 | 3 | - | - |
| CFST 801 | 1409 | 1340 | 560 | 1677 | 1560 | 500 | 820 | 861 | 14 | 620 | 560 | 400 | 200 | 83 | 800 | 920 | 871 | 600 | 200 | 566 | 626 | 35 | M12 | 16 | 243 | 16 | 17 | 42 | 28 | 27 |



**BOCA ASPIRACIÓN CFST**
Embocadura para montar en la aspiración.




| Modelo | D | D1 | D2 | D3 | ESP | H | H1 | N |
|---|---|---|---|---|---|---|---|---|
| CFST 451 | 300 | 535 | 497 | 12 | 2 | 93 | 4 | 12 |
| CFST 501 | 359 | 585 | 551 | 12 | 2 | 107 | 4 | 12 |
| CFST 561 | 404 | 665 | 629 | 12 | 2 | 125 | 4 | 16 |
| CFST 631 | 454 | 750 | 698 | 15 | 2,5 | 139 | 8 | 16 |
| CFST 701 | 505 | 838 | 775 | 15 | 3,5 | 160 | 8 | 16 |
| CFST 801 | 565 | 920 | 861 | 15 | 2,5 | 175 | 7,5 | 16 |

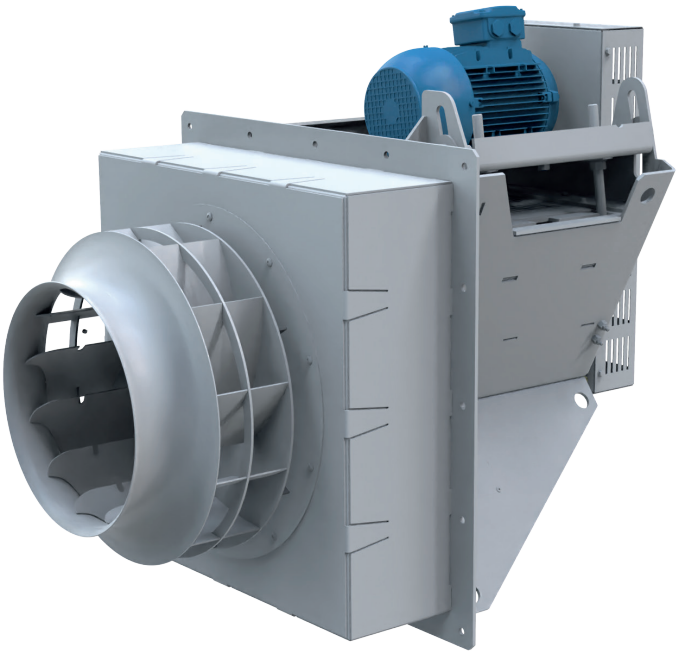
# CFHT

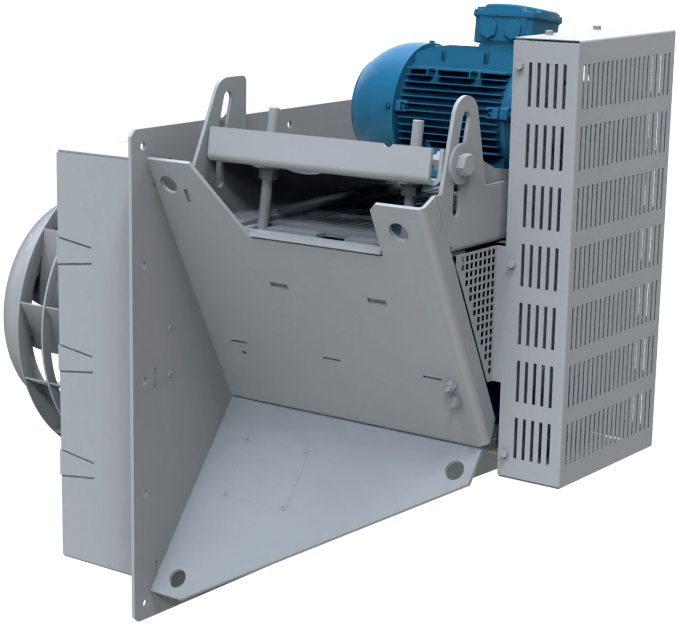
## VENTILADORES CENTRÍFUGOS PARA HORNOS

*TRANSMISIÓN*

300°C

Ventilador centrífugo a transmisión por poleas y correas, para la recirculación de gases calientes. Cajón aislado fabricado en chapa de acero, con lana de roca de alta densidad y pintado con pintura anticalórica. Rodete de álabes curvados hacia atrás de alto rendimiento de la gama CRRT-TR. Apto para trabajo horizontal o vertical (indicaren el pedido). Engrasadores externos para facilitar el mantenimiento y reengrase de los rodamientos de la transmisión. Motores trifásicos de 4 polos, 230/400V-50Hz y 400/690V-50Hz IP55, clase F. Apto para trasegar gases hasta 300ºC en continuo.





### Motores

Motores trifásicos de 4 polos, 230/400V-50Hz y 400/690V-50Hz IP55, clase F.

### Información adicional

Fije la espiral en la pared interior del horno y en el cono de entrada, ambos suministrados como accesorios.

### Bajo demanda

- Fabricación en materiales especiales para trabajo hasta 550ºC en continuo.
- Fabricación en acero inoxidable.
- Otros espesores para el cajón aislado.
- Trabajo a 60Hz.
- Diferentes voltajes.
- La voluta y la embocadura se suministran como accesorios (ver apartado accesorios).
- Otras motorizaciones de acuerdo con el caudal y la presión solicitados por el cliente.

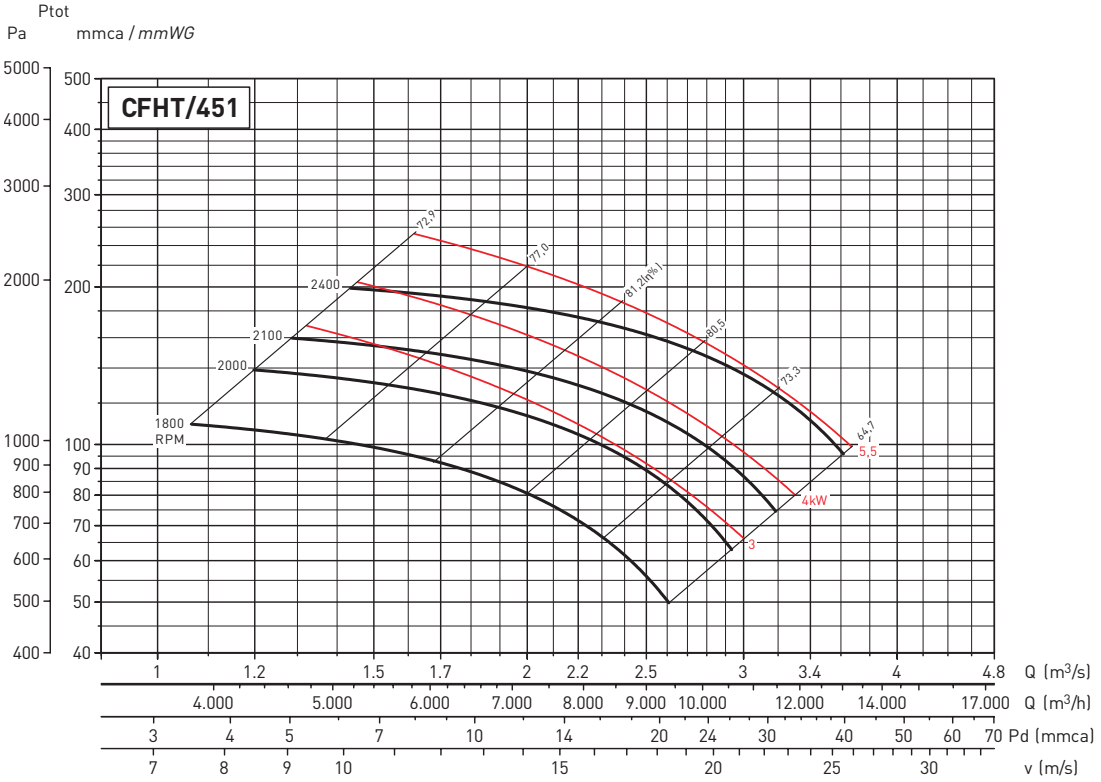
## CARACTERÍSTICAS TÉCNICAS

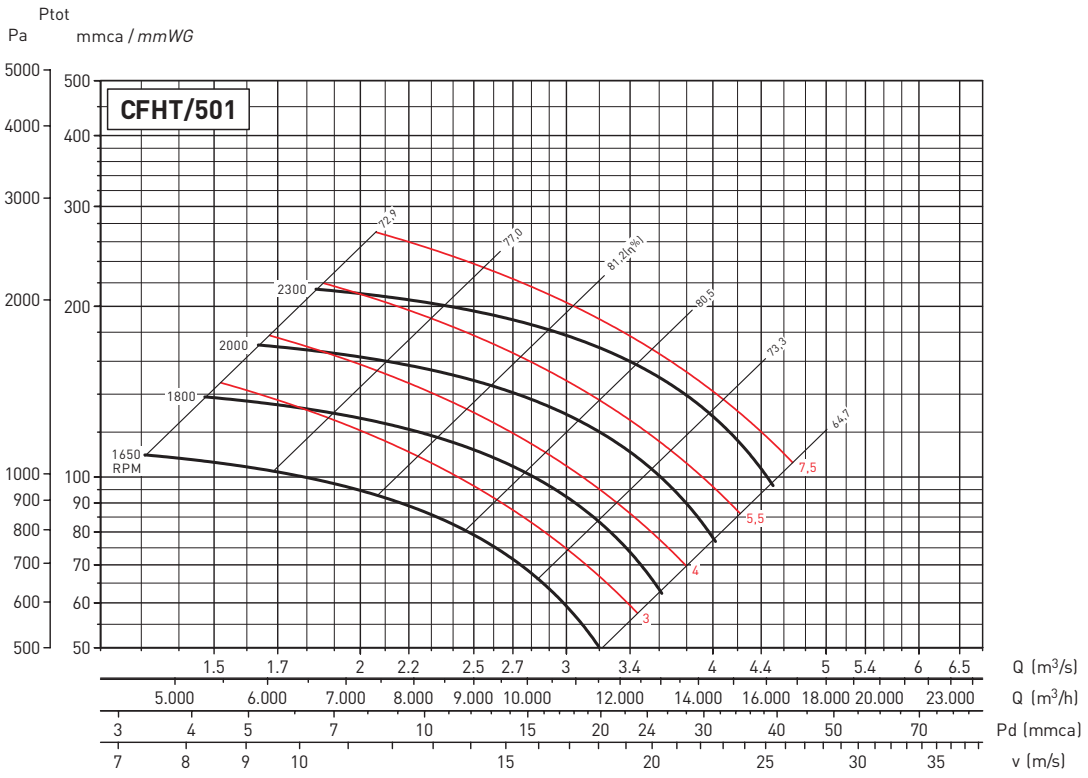
Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación.

| Modelo | Velocidad rodete (r.p.m.) | Potencia motor (kW) | Intensidad absorbida máxima (A) | | Temperatura máxima del aire (ºC) | Peso (kg) |
|---|---|---|---|---|---|---|
| | | | 230V | 400V | | |
| CFHT-451 2,2 kW | 1800 | 2,2 | 8,3 | 4,8 | 300 | 139 |
| CFHT-451 3 kW | 2000 | 3 | 11,4 | 6,5 | 300 | 142 |
| CFHT-451 4 kW | 2100 | 4 | - | 8,6 | 300 | 146 |
| CFHT-451 5,5 kW | 2400 | 5,5 | - | 11,1 | 300 | 158 |
| CFHT-501 3 kW | 1650 | 3 | 11,4 | 6,5 | 300 | 157 |
| CFHT-501 4 kW | 1800 | 4 | - | 8,6 | 300 | 161 |
| CFHT-501 5,5 kW | 2000 | 5,5 | - | 11,1 | 300 | 173 |
| CFHT-501 7,5 kW | 2300 | 7,5 | - | 14,8 | 300 | 182 |
| CFHT-561 4 kW | 1500 | 4 | - | 8,6 | 300 | 211 |
| CFHT-561 5,5 kW | 1700 | 5,5 | - | 11,1 | 300 | 223 |
| CFHT-561 7,5 kW | 1900 | 7,5 | - | 14,8 | 300 | 231 |
| CFHT-561 11 kW | 2100 | 11 | - | 22,6 | 300 | 258 |
| CFHT-631 7,5 kW | 1500 | 7,5 | - | 14,8 | 300 | 243 |
| CFHT-631 11 kW | 1900 | 11 | - | 22,6 | 300 | 270 |
| CFHT-631 15 kW | 2100 | 15 | - | 28,5 | 300 | 300 |
| CFHT-711 7,5 kW | 1300 | 7,5 | - | 14,8 | 300 | 263 |
| CFHT-711 11 kW | 1500 | 11 | - | 22,6 | 300 | 270 |
| CFHT-711 15 kW | 1650 | 15 | - | 28,5 | 300 | 304 |
| CFHT-711 18,5 kW | 1750 | 18,5 | - | 35,1 | 300 | 539 |
| CFHT-801 18,5 kW | 1400 | 18,5 | - | 35,1 | 300 | 539 |
| CFHT-801 22 kW | 1500 | 22 | - | 40,5 | 300 | 561 |
| CFHT-801 30 kW | 1650 | 30 | - | 56,2 | 300 | 290 |
| CFHT-901 22 kW | 1200 | 22 | - | 40,5 | 300 | 290 |
| CFHT-901 30 kW | 1350 | 30 | - | 56,2 | 300 | 762 |
| CFHT-901 37 kW | 1500 | 37 | - | 66,6 | 300 | 524 |
| CFHT-1001 37 kW | 1100 | 37 | - | 66,6 | 300 | 1017 |
| CFHT-1001 45 kW | 1250 | 45 | - | 84,8 | 300 | 1038 |
| CFHT-1001 55 kW | 1350 | 55 | - | 97,1 | 300 | 1119 |

## CURVAS CARACTERÍSTICAS (a la descarga)

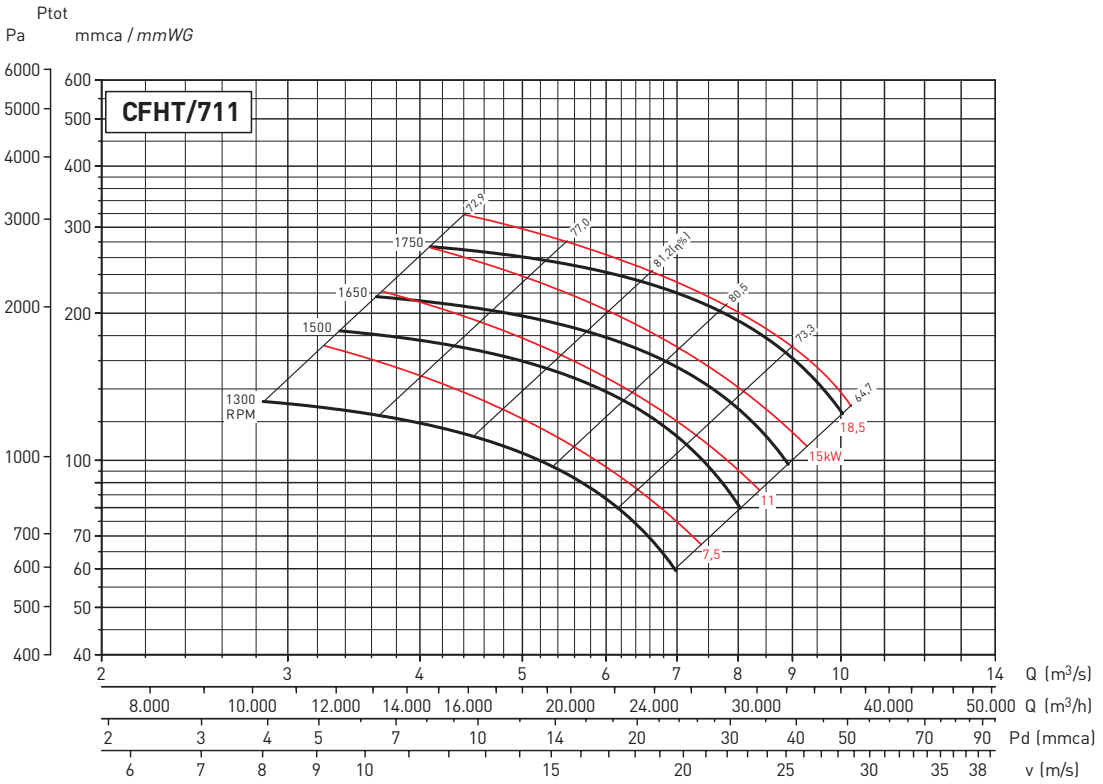
- Ptot: Presión total en mmca y Pa.
- Nivel de presión sonora, medido a 1,5 metros (dB(A)).

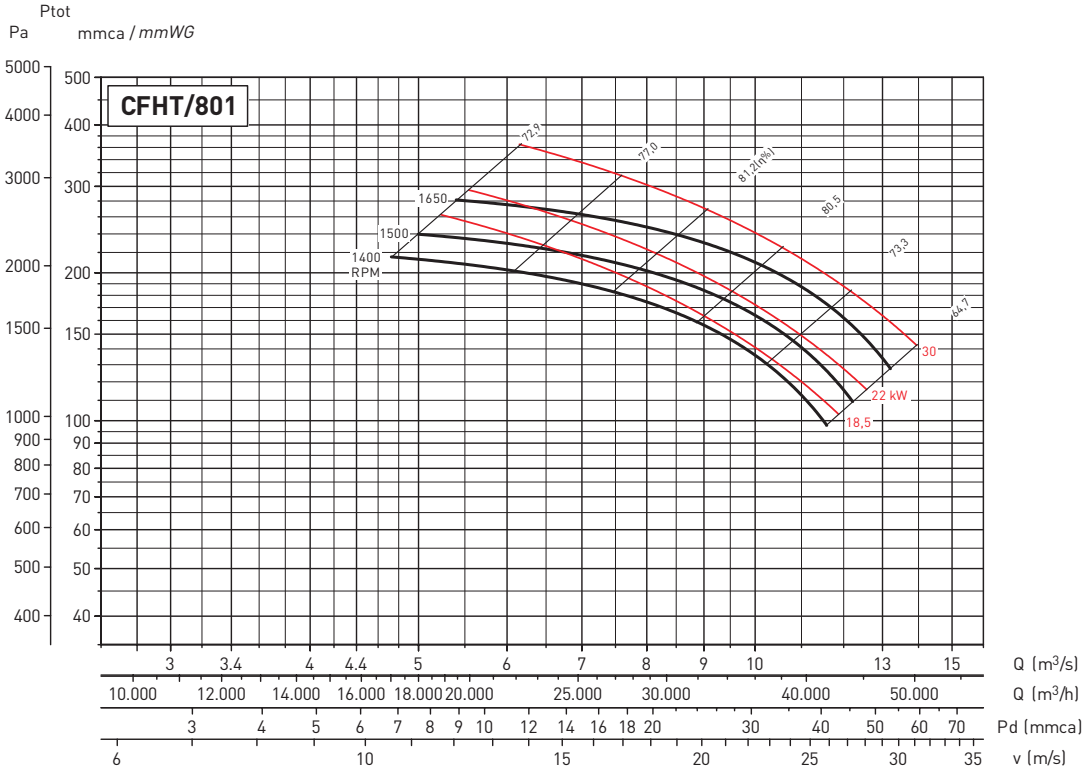


## CURVAS CARACTERÍSTICAS (a la descarga)

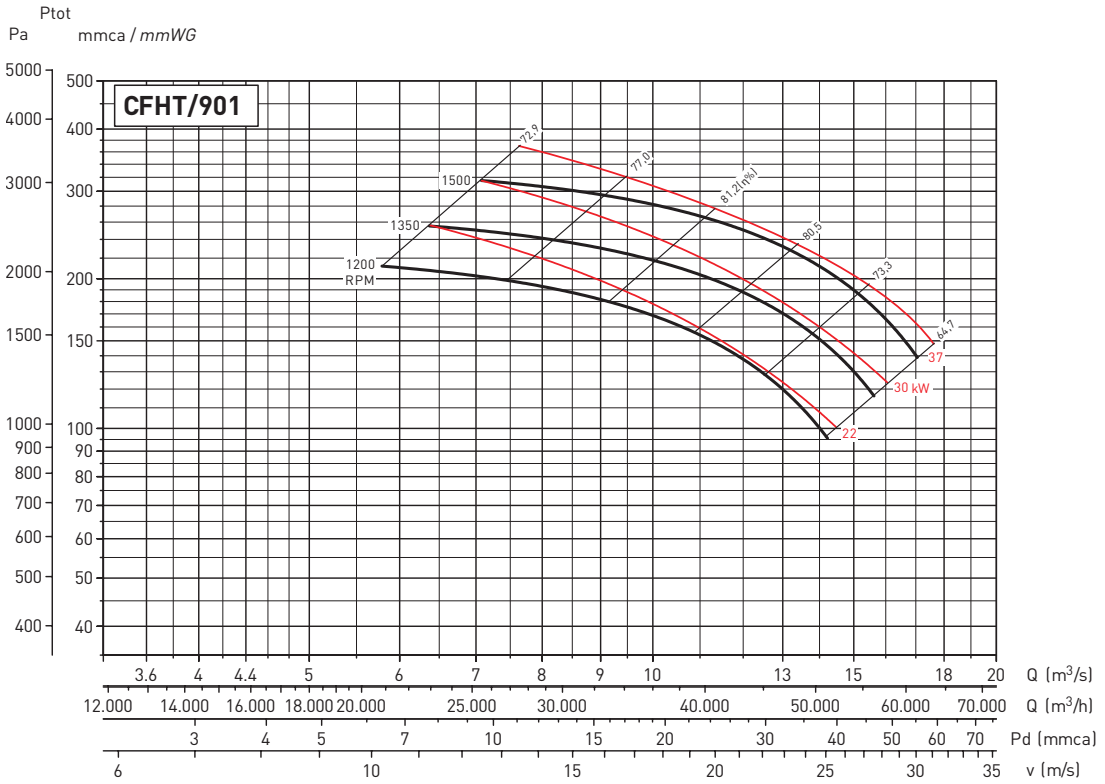
- Ptot: Presión total en mmca y Pa.
- Nivel de presión sonora, medido a 1,5 metros (dB(A)).

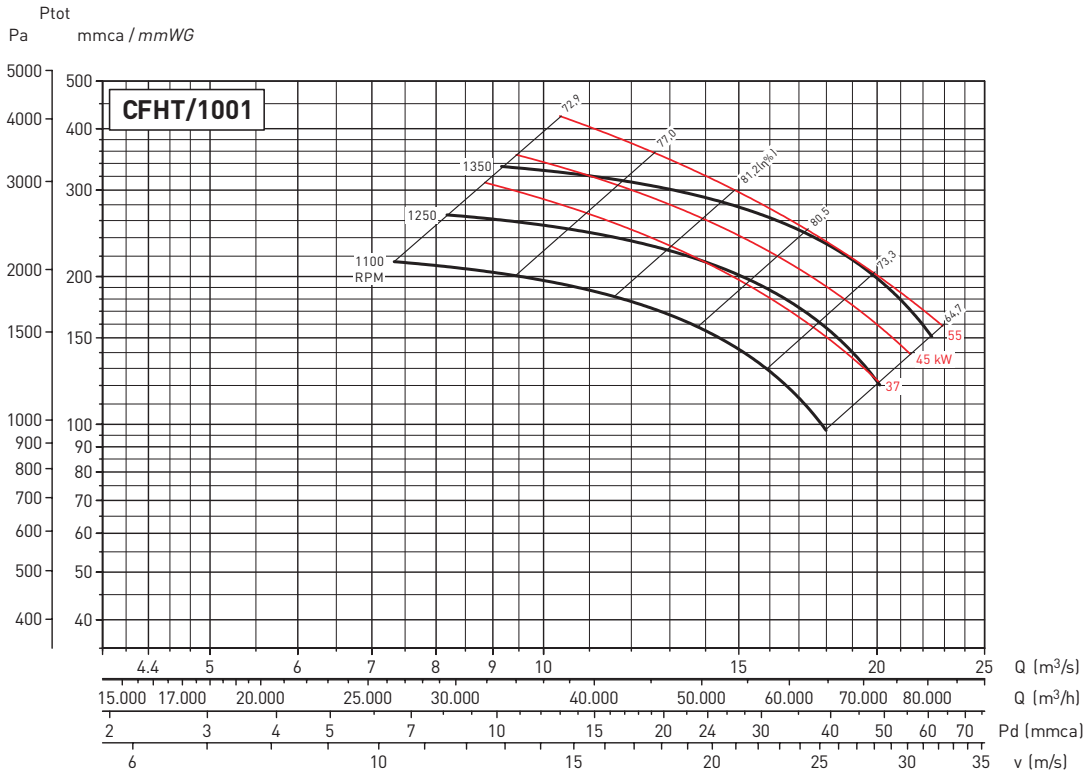


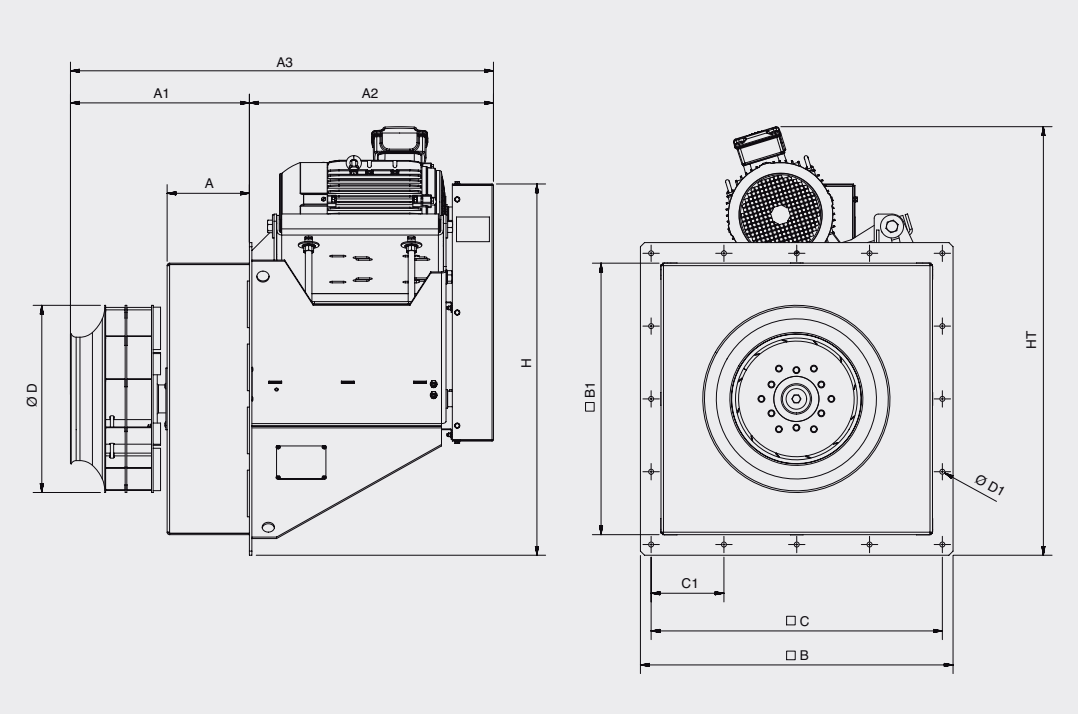
## CURVAS CARACTERÍSTICAS (a la descarga)

- Ptot: Presión total en mmca y Pa.
- Nivel de presión sonora, medido a 1,5 metros (dB(A)).



## DIMENSIONES (mm)




| Modelo | A | A1 | A2 | A3 | B | B1 | C | C1 | D | D1 | H |
|---|---|---|---|---|---|---|---|---|---|---|---|
| CFHT-451 | 100 | 335 | 593 | 928 | 760 | 660 | 708 | 177 | 455 | 12 | 903 |
| | 150 | 385 | | 978 | | | | | | | |
| | 200 | 435 | | 1028 | | | | | | | |
| CFHT-501 | 100 | 362 | | 955 | | | | | 505 | | |
| | 150 | 412 | | 4005 | | | | | | | |
| | 200 | 462 | | 4022 | | | | | | | |
| CFHT-561 | 100 | 393 | 756 | 1149 | 820 | 720 | 768 | 192 | 565 | 12 | 1084 |
| | 150 | 443 | | 1199 | | | | | | | |
| | 200 | 493 | | 1249 | | | | | | | |
| CFHT-631 | 100 | 427 | | 1183 | | | | | 630 | | |
| | 150 | 427 | | 1233 | | | | | | | |
| | 200 | 527 | | 1283 | | | | | | | |
| CFHT-711 | 100 | 470 | 896 | 1366 | 990 | 890 | 930 | 232,5 | 715 | 14 | 1367 |
| | 150 | 520 | | 1416 | | | | | | | |
| | 200 | 570 | | 1466 | | | | | | | |
| CFHT-801 | 100 | 513 | | 1409 | | | | | 820 | | |
| | 150 | 563 | | 1459 | | | | | | | |
| | 200 | 613 | | 1509 | | | | | | | |
| CFHT-901 | 100 | 558 | 1041 | 1599 | 1140 | 990 | 1060 | 265 | 900 | 14 | 1526 |
| | 150 | 608 | | 1649 | | | | | | | |
| | 200 | 658 | | 1699 | | | | | | | |
| CFHT-1001 | 100 | 605 | 1100 | 1705 | 1240 | 1090 | 1160 | 290 | 1010 | | 1600 |
| | 150 | 655 | | 1755 | | | | | | | |
| | 200 | 705 | | 1805 | | | | | | | |

| Modelo | Kw | HT |
|---|---|---|
| CFHT-451 | 2,2 | 940 |
| | 3 | |
| | 4 | 974 |
| | 5,5 | 1000 |
| CFHT-501 | 3 | 940 |
| | 4 | 974 |
| | 5,5 | 1000 |
| | 7,5 | |
| CFHT-561 | 4 | 1020 |
| | 5,5 | 1100 |
| | 7,5 | |
| | 11 | 1190 |
| CFHT-631 | 5,5 | 1100 |
| | 7,5 | |
| | 11 | 1190 |
| | 15 | |
| CFHT-711 | 7,5 | 1290 |
| | 11 | 1380 |
| | 15 | |
| | 18,5 | 1410 |
| CFHT-801 | 18,5 | |
| | 22 | |
| | 30 | 1470 |
| CFHT-901 | 22 | 1535 |
| | 30 | 1595 |
| | 37 | 1690 |
| CFHT-1001 | 37 | 1750 |
| | 45 | 1850 |
| | 55 | |

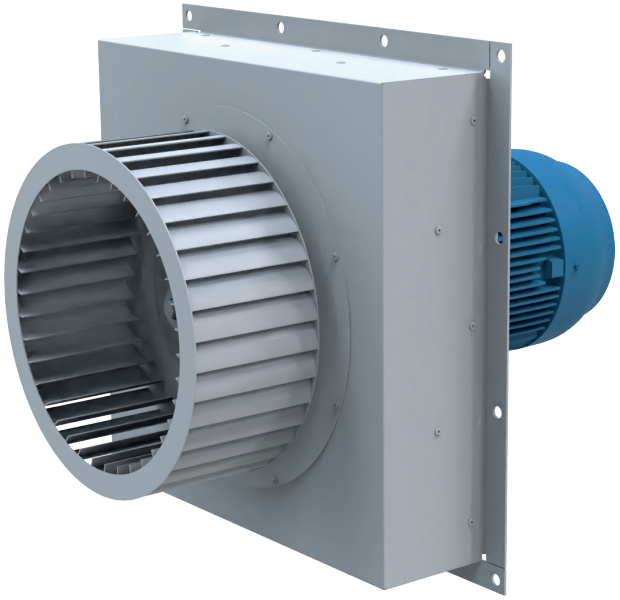
# CFMT-N

## VENTILADORES CENTRÍFUGOS PARA HORNOS

*ACOPLAMIENTO DIRECTO*



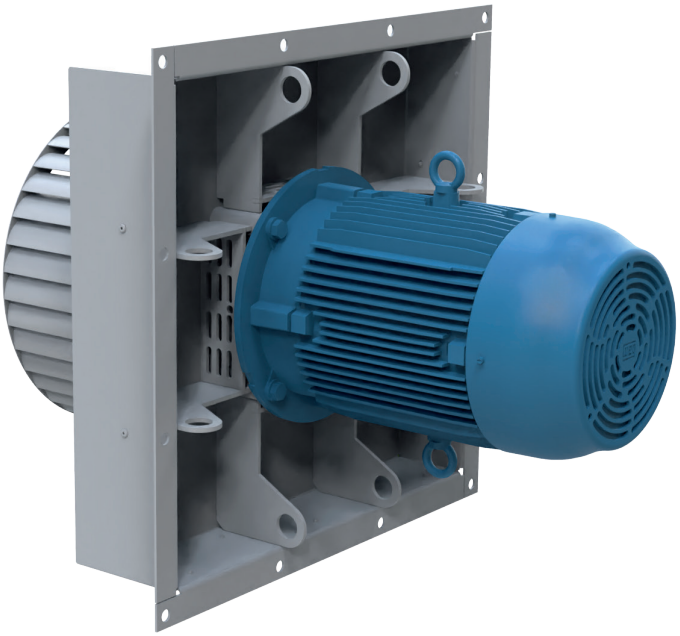

Ventilador centrífugo de simple aspiración con rodete de álabes curvados hacia adelante.
Cajón aislado fabricado en chapa galvanizada y calorifugado con fibra mineral de alta densidad y alto poder de aislamiento térmico.



**Motores**
Motores trifásicos de 4 polos, IP-55, Clase F, 400/690V 50Hz (excepto el modelo de 3KW cuyo voltaje será 230/400V 50Hz).

**Información adicional**
Orientación estándar: LG.
Temperatura máxima del aire a transportar: 250ºC.
Aplicación: recirculación de aire caliente en estufas y hornos industriales.
Se suministra la voluta y la boca de aspiración como accesorio.

**Bajo demanda**
- Ventiladores RD.
- Tensiones especiales.
- Ventiladores para 60Hz.
- Fabricación en acero inoxidable AISI-304 / AISI-316 (excepto el rodete que sólo se puede fabricar en AISI-304).



## CARACTERÍSTICAS TÉCNICAS

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación

| Modelo | Velocidad (r.p.m.) | Potencia motor (kW) | Intensidad absorbida máxima (A) | | Temperatura máxima del aire (°C) | Peso (kg) |
|---|---|---|---|---|---|---|
| | | | 230V | 400V | | |
| CFMT/4-355/145-3 N | 1400 | 3,0 | 12,6 | 7,3 | 250 | 55 |
| CFMT/4-355/145-4 N | 1400 | 4,0 | - | 9,3 | 250 | 60 |
| CFMT/4-355/145-5,5 N | 1400 | 5,5 | - | 12,0 | 250 | 70 |
| CFMT/4-355/145-7,5 N | 1400 | 7,5 | - | 15,5 | 250 | 80 |
| CFMT/4-400/165-4 N | 1400 | 4,0 | - | 9,3 | 250 | 65 |
| CFMT/4-400/165-5,5 N | 1400 | 5,5 | - | 12,0 | 250 | 85 |
| CFMT/4-400/165-7,5 N | 1400 | 7,5 | - | 15,5 | 250 | 95 |
| CFMT/4-450/185-5,5 N | 1400 | 5,5 | - | 12,0 | 250 | 100 |
| CFMT/4-450/185-7,5 N | 1400 | 7,5 | - | 15,5 | 250 | 110 |
| CFMT/4-500/205-7,5 N | 1400 | 7,5 | - | 15,5 | 250 | 115 |
| CFMT/4-500/205-9,2 N | 1400 | 9,2 | - | 21,5 | 250 | 125 |
| CFMT/4-500/205-11 N | 1400 | 11,0 | - | 22,5 | 250 | 135 |
| CFMT/4-500/205-15 N | 1400 | 15,0 | - | 31,0 | 250 | 150 |

## CARACTERÍSTICAS ACÚSTICAS

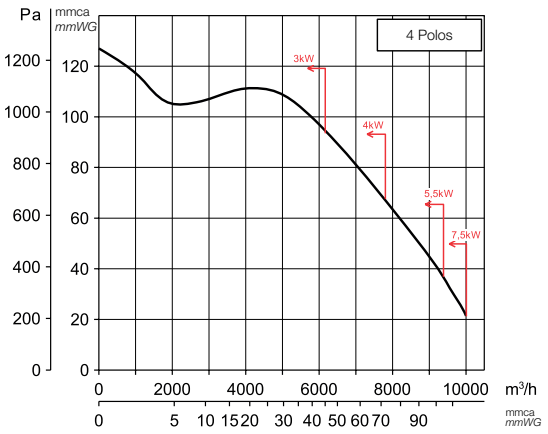
Espectros de potencias sonoras en dB(A) por banda de frecuencia en (Hz)

| Modelo | 63 Hz | 125 Hz | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz | 8000 Hz | TOTAL |
|---|---|---|---|---|---|---|---|---|---|
| CFMT/4-355/145-3 N | 59 | 72 | 78 | 79 | 84 | 85 | 81 | 78 | 90 |
| CFMT/4-355/145-4 N | 62 | 75 | 81 | 82 | 87 | 88 | 84 | 81 | 93 |
| CFMT/4-355/145-5,5 N | 65 | 78 | 84 | 85 | 90 | 91 | 87 | 84 | 96 |
| CFMT/4-355/145-7,5 N | 66 | 79 | 85 | 86 | 91 | 92 | 88 | 85 | 97 |
| CFMT/4-450/185-5,5 N | 67 | 80 | 86 | 87 | 92 | 93 | 89 | 86 | 98 |
| CFMT/4-450/185-7,5 N | 70 | 83 | 89 | 90 | 95 | 96 | 92 | 89 | 101 |
| CFMT/4-400/165-4 N | 61 | 74 | 80 | 81 | 86 | 87 | 83 | 80 | 92 |
| CFMT/4-400/165-5,5 N | 64 | 77 | 83 | 84 | 89 | 90 | 86 | 83 | 95 |
| CFMT/4-400/165-7,5 N | 67 | 80 | 86 | 87 | 92 | 93 | 89 | 86 | 98 |
| CFMT/4-500/205-7,5 N | 67 | 80 | 86 | 87 | 92 | 93 | 89 | 86 | 98 |
| CFMT/4-500/205-9 N | 69 | 82 | 88 | 89 | 94 | 95 | 91 | 88 | 100 |
| CFMT/4-500/205-11 N | 71 | 84 | 90 | 91 | 96 | 97 | 93 | 90 | 102 |
| CFMT/4-500/205-15 N | 73 | 86 | 92 | 93 | 98 | 99 | 95 | 92 | 104 |

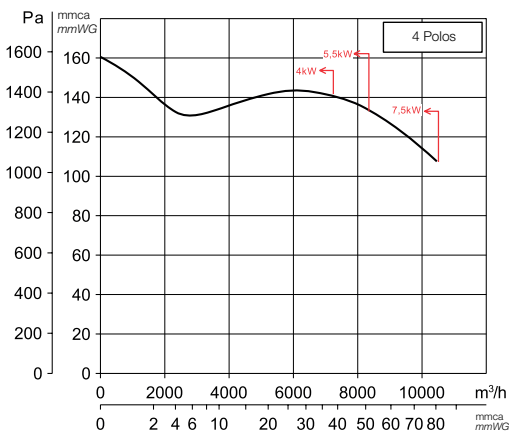
## CURVAS CARACTERÍSTICAS

- Caudal en $m^3/h$
- Presión estática en mmca y Pa
- Potencia absorbida al eje del motor en kW
- Presión dinámica a la descarga en mmca

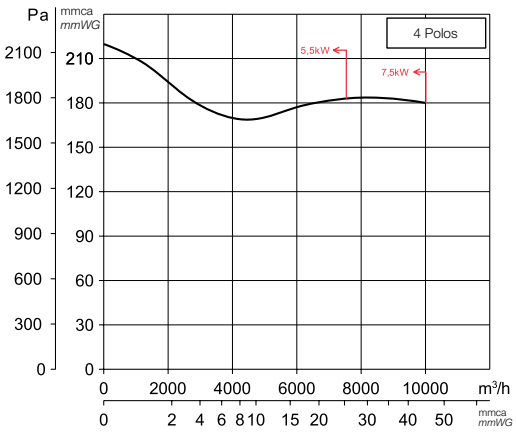
CFMT 355-145 N



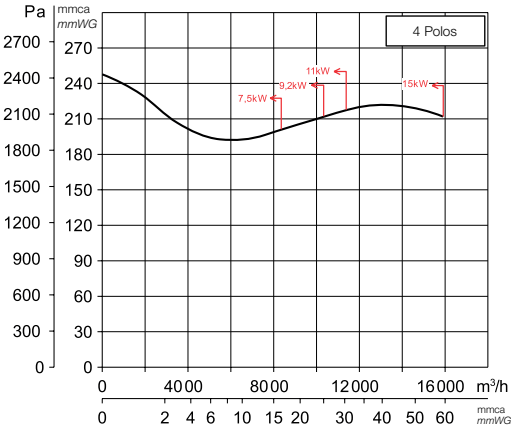

CFMT 400-165 N



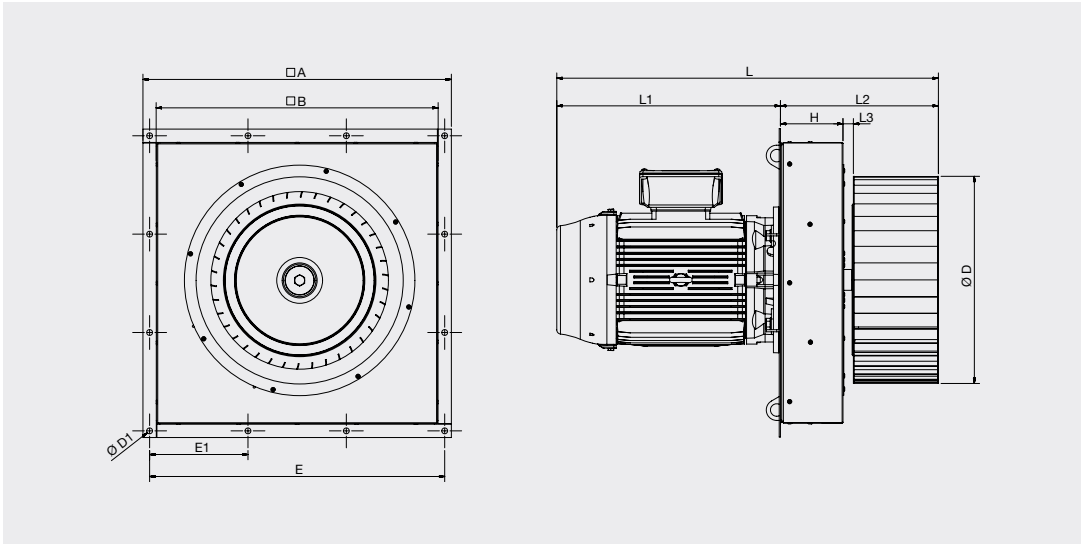

CFMT 450-185 N




CFMT 500-205 N

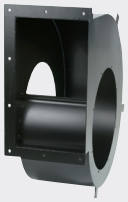


## DIMENSIONES (mm)

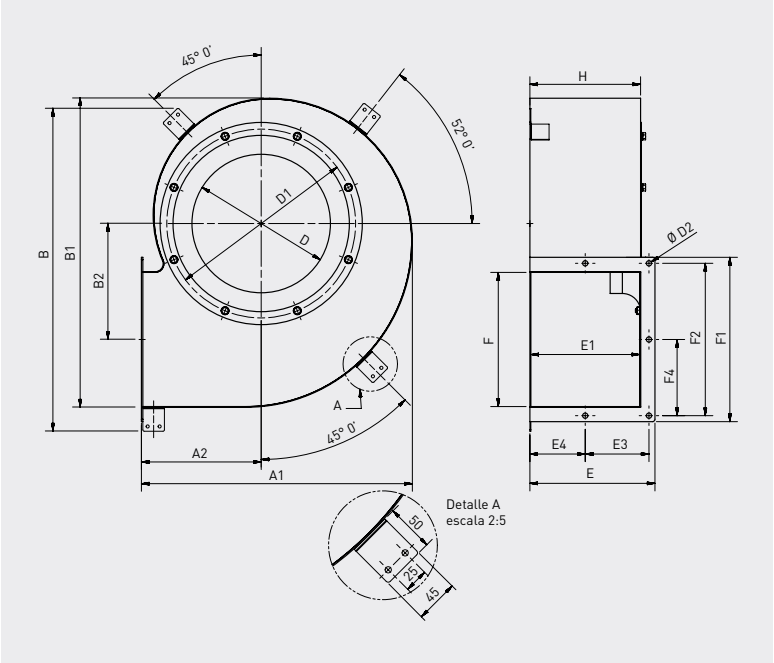



| Modelo | A | B | E | E1 | D | D1 | H | L | L1 | L2 | L3 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| CFMT 355/145 N | 605 | 494 | 564 | 188 | 355 | 14 | 150 | 385 | 365 | 318 | 25 |
| CFMT 400/165 N | 630 | 564 | 600 | 200 | 404 | 14 | 150 | 705 | 365 | 338 | 25 |
| CFMT 400/185 N | 740 | 674 | 708 | 236 | 454 | 14 | 150 | 725 | 365 | 358 | 25 |
| CFMT 500/205 N | 740 | 674 | 708 | 236 | 497 | 14 | 150 | 910 | 530 | 379 | 25 |

## ACCESORIOS



**VOLUTA CFMT-N**
Voluta para montaje en la pared del horno, permite direccionar el aire y posibilita el acoplamiento de un conducto en la descarga. La embocadura va incorporada en la voluta. Puede ser LG o RD.




| Modelo | A1 | A2 | B | B1 | B2 | D | D1 | D2 | E | E1 | E3 | E4 | F | F1 | F2 | F4 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CFMT 355/145 N | 565,5 | 250 | 716 | 645 | 242 | 289 | 394 | 11 | 261 | 227 | 133 | 115,5 | 280 | 343 | 318 | 159 |
| CFMT 400/165 N | 628 | 270 | 769 | 730 | 271 | 325 | 438 | 11 | 294 | 249 | 150 | 127 | 320 | 404 | 370 | 185 |
| CFMT 450/185 N | 704 | 302 | 881 | 819 | 305 | 365 | 485 | 11 | 328 | 283 | 164 | 144 | 360 | 444 | 404 | 202 |
| CFMT 500/205 N | 792 | 345 | 971 | 914 | 315 | 410 | 535 | 11 | 364 | 314 | 182,5 | 159,5 | 450 | 544 | 500 | 250 |

# Axiales

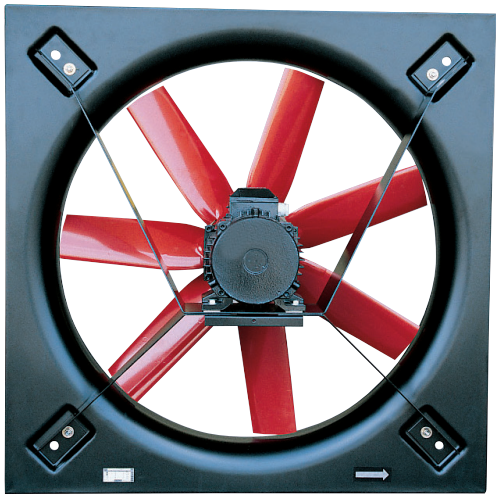
# HCFB/HCFT

## VENTILADORES AXIALES CON HÉLICES DE PLÁSTICO

*ACOPLAMIENTO DIRECTO*



HCFB/HCFT



Configuración constructiva modelos Ø800 a Ø1000

ErP OK

IP65 (3)

Ventiladores helicoidales murales con hélice de plástico reforzada con fibra de vidrio, motor monofásico (HCFB) o trifásico (HCFT), IP65 (1), Clase F (2), protector térmico incorporado (3) y caja de bornes, con condensador incorporado en los modelos monofásicos.

(1) Modelos Ø800, 900 y 1000: IP55.
(2) Temperatura de trabajo: de -40ºC a +70ºC, excepto los modelos 4-710 adecuados hasta +55ºC y modelos Ø800 a 1000 (de -20ºC a +40ºC).
(3) Excepto modelos 800 a 1000.

### Motores

De 4 o 6 polos, según versiones. Regulables por tensión con autotransformador, excepto modelos 2 polos y /4-630, 710, T/800, T/900 y T/1.000, para HCFB/HCFT, y modelos 4-630, B/710, T/4-710, T/800, T/900 y T/1000 para HCBB/HCBT.
Modelos trifásicos regulables por convertidor de frecuencia.
Tensión de alimentación:
Monofásicos 230V-50Hz
Trifásicos 230/400V-50Hz o 400V-50Hz
(Ver cuadro de características).

### Bajo demanda

Modelos Ø800 a 1000 con defensa de aspiración.

### Otros datos

- Sentido del aire Motor-Hélice (flujo A).

### HCBT versiones ATEX

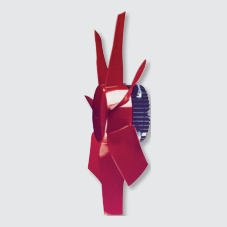
Bajo pedido, versiones antiexplosivas según la Directiva ATEX para modelos trifásicos:

- Motores IP55, Clase F.
- ATEX Antideflagrantes - Gas
  Para modelos del 800 al 1000:
  Ex II 2G Ex d IIB T4
  Ex II 2G Ex d IIB+H2 T4 (con motor Ex d IIC T4)
  En versión ATEX estándar, los motores antideflagrantes se entregan sin protección térmica.
  Para utilizar con convertidor de frecuencia pedir motores antide-Flagrantes con protector térmico tipo PTC.
- ATEX Seguridad aumentada - Gas:
  Excepto modelos HCBT/ 4-250, HCBT/ 6-355, HCBT/ 6-400.
  Sí disponible HCBT/ 6-400 con motor 230/400V.
  Sí disponible para modelos hasta HCBT-1000.
  Ex II 2G Ex e II T3
- ATEX - Polvo
  Para modelos 800 a 1000 mm.
  Partículas en suspensión inflamables y polvo no conductor:
  Ex II 3D Ex tc IIIB T125ºC
  Polvo conductor:
  Ex II 3D Ex tc IIIC T125ºC (con motor IP65)
  En versión ATEX estándar, los motores ATEX para polvo se entregan sin protección térmica.
  Para utilizar con convertidor de frecuencia pedir motores ATEX para polvo con protector térmico tipo PTC.

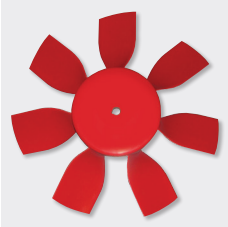
Para trabajar a temperaturas de:

- -20ºC a +55ºC:
  modelos HCBT/4-315 a HCBT/4-710
  modelos HCBT/6-450 a HCBT 6-710
- -20ºC a +40ºC:
  modelo HCBT/4-800 a 1000
  modelo HCBT/6-800 a 1000

Para seleccionar modelos HCBT ATEX, ver el programa de selección de producto EASYVENT.
Los datos eléctricos de los modelos ATEX pueden variar respecto a los datos indicados en las tablas características.
Consulte la disponibilidad de otras versiones de motores ATEX.



**Gran compacidad**
Especial diseño del conjunto motor-hélice, que proporciona gran compacidad y hermeticidad IP65.



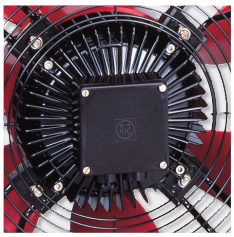
**Hélice equilibrada dinámicamente**
Según norma ISO 1940, para reducir el ruido y evitar vibraciones..



**Resistencia a la corrosión**
Conjunto metálico marco-rejilla protegido contra la corrosión mediante tratamiento por cataforesis + pintura poliéster. Tornillería inoxidable.



**Variantes de fabricación**
Múltiples variantes de fabricación, en función del tipo de instalación y de las condiciones de utilización.



**Caja de bornes con condensador**
Caja de bornes (contiene el condensador en los modelos monofásicos). Prensaestopas PG-11.



**Configuración constructiva modelos Ø800 a 1000**
Especial diseño del conjunto motor-hélice, que proporciona gran compacidad y hermeticidad IP55.

## CARACTERÍSTICAS TÉCNICAS

**PARA MODELOS CON HÉLICE DE PLÁSTICO**

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación

| Modelo | Velocidad (r.p.m.) | Ø (mm) | Potencia absorbida máxima (W) | Intensidad máxima (A) | | Nivel presión sonora (dB(A))* | Caudal máximo (m³/h) | Peso (kg) | Regulador de tensión opcional | | Convertidor de frecuencia opcional | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 230 V | 400 V | | | | REB | RMB/T** | VFTM** | VFKB** |
| MONOFÁSICOS 2 POLOS | | | | | | | | | | | | |
| HCGB/2-315/I | 2690 | 315 | 336 | 1,5 | – | 63 | 3.150 | 7 | – | – | – | – |
| HCGB/2-355/I | 2730 | 355 | 392 | 1,7 | – | 68 | 3.550 | 8 | – | – | – | – |
| MONOFÁSICOS 4 POLOS | | | | | | | | | | | | |
| HCFB/4-250/H | 1380 | 250 | 77 | 0,3 | – | 49 | 1.090 | 5 | REB-1 | RMB-1,5 | – | – |
| HCFB/4-315/H | 1340 | 315 | 125 | 0,6 | – | 55 | 2.220 | 7 | REB-1 | RMB-1,5 | – | – |
| HCFB/4-355/H | 1415 | 355 | 168 | 0,7 | – | 59 | 3.470 | 8 | REB-2,5 | RMB-1,5 | – | – |
| HCFB/4-400/H | 1420 | 400 | 271 | 1,2 | – | 62 | 4.920 | 9 | REB-2,5 | RMB-3,5 | – | – |
| HCFB/4-450/H | 1380 | 450 | 471 | 2,0 | – | 65 | 6.830 | 13 | REB-2,5 | RMB-3,5 | – | – |
| HCFB/4-500/H | 1400 | 500 | 671 | 2,9 | – | 68 | 9.140 | 16 | REB-5 | RMB-3,5 | – | – |
| HCFB/4-560/H | 1410 | 560 | 1102 | 4,7 | – | 70 | 12.980 | 22 | – | – | – | – |
| HCFB/4-630/H | 1380 | 630 | 1573 | 7,1 | – | 73 | 17.230 | 25 | – | – | – | – |
| MONOFÁSICOS 6 POLOS | | | | | | | | | | | | |
| HCFB/6-315/H | 990 | 315 | 80 | 0,4 | – | 45 | 1.620 | 7 | REB-1 | RMB-1,5 | – | – |
| HCFB/6-355/H | 920 | 355 | 81 | 0,4 | – | 48 | 2.250 | 8 | REB-1 | RMB-1,5 | – | – |
| HCFB/6-400/H | 885 | 400 | 100 | 0,4 | – | 51 | 2.980 | 9 | REB-1 | RMB-1,5 | – | – |
| HCFB/6-450/H | 920 | 450 | 103 | 0,7 | – | 54 | 3.510 | 13 | REB-2,5 | RMB-1,5 | – | – |
| HCFB/6-500/H | 920 | 500 | 224 | 1,0 | – | 57 | 6.030 | 16 | REB-2,5 | RMB-3,5 | – | – |
| HCFB/6-560/H | 905 | 560 | 321 | 1,3 | – | 59 | 8.180 | 22 | REB-2,5 | RMB-3,5 | – | – |
| HCFB/6-630/H | 915 | 630 | 469 | 2,0 | – | 62 | 11.000 | 25 | REB-5 | RMB-3,5 | – | – |
| TRIFÁSICOS 2 POLOS | | | | | | | | | | | | |
| HCGT/2-315/L | 2630 | 315 | 461 | 1,4 | 0,8 | 68 | 3.790 | 7 | – | – | VFTM-Tri 0,37 | VFKB-45 |
| HCGT/2-355/I | 2570 | 355 | 497 | 1,5 | 0,9 | 71 | 4.490 | 8 | – | – | VFTM-Tri 0,37 | VFKB-45 |
| TRIFÁSICOS 4 POLOS | | | | | | | | | | | | |
| HCFT/4-250/H | 1365 | 250 | 73 | 0,3 | 0,2 | 49 | 1.110 | 5 | – | RMT-1,5 | VFTM-Tri 0,37 | VFKB-45 |
| HCFT/4-315/H | 1340 | 315 | 124 | 0,5 | 0,3 | 55 | 2.170 | 7 | – | RMT-1,5 | VFTM-Tri 0,37 | VFKB-45 |
| HCFT/4-355/H | 1385 | 355 | 171 | 0,9 | 0,5 | 59 | 3.550 | 8 | – | RMT-1,5 | VFTM-Tri 0,37 | VFKB-45 |
| HCFT/4-400/H | 1370 | 400 | 250 | 1,0 | 0,6 | 62 | 4.790 | 9 | – | RMT-1,5 | VFTM-Tri 0,37 | VFKB-45 |
| HCFT/4-450/H | 1380 | 450 | 449 | 1,4 | 0,8 | 65 | 6.640 | 13 | – | RMT-1,5 | VFTM-Tri 0,37 | VFKB-45 |
| HCFT/4-500/H | 1460 | 500 | 767 | 3,5 | 2,0 | 68 | 9.750 | 16 | – | RMT-2,5 | VFTM-Tri 0,75 | VFKB-45 |
| HCFT/4-560/H | 1390 | 560 | 1051 | 3,8 | 2,2 | 70 | 12.500 | 22 | – | RMT-2,5 | VFTM-Tri 0,75 | VFKB-45 |
| HCFT/4-630/H | 1425 | 630 | 1582 | 5,0 | 2,9 | 73 | 17.900 | 25 | – | – | VFTM-Tri 1,1 | VFKB-45 |
| HCFT/4-710/H | 1375 | 710 | 2413 | 7,4 | 4,3 | 74 | 22.140 | 27 | – | – | VFTM-Tri 2,2 | VFKB-45 |
| HCFT/4-800/L-X-1,5 | 1420 | 800 | 2308 | 6,6 | 3,8 | 78 | 22.780 | 37 | – | – | VFTM-Tri 1,5 | VFKB-45 |
| HCFT/4-800/H-X-3 | 1450 | 800 | 4344 | 12,5 | 7,2 | 84 | 33.410 | 52 | – | – | VFTM-Tri 4 | VFKB-48 |
| HCFT/4-900/L-X-3 | 1460 | 900 | 3845 | 11,3 | 6,5 | 82 | 25.550 | 61 | – | – | VFTM-Tri 3 | VFKB-48 |
| HCFT/4-900/H-X-5,5 | 1460 | 900 | 7090 | | 12,3 | 87 | 45.550 | 95 | – | – | VFTM-Tri 5,5 | - |
| HCFT/4-1000/L-X-3 | 1440 | 1000 | 5098 | 14,2 | 8,2 | 86 | 38.800 | 67 | – | – | VFTM-Tri 3 | VFKB-48 |
| HCFT/4-1000/H-X-7,5 | 1470 | 1000 | 8228 | | 13,7 | 93 | 47.370 | 100 | – | – | VFTM-Tri 7,5 | - |
| TRIFÁSICOS 6 POLOS | | | | | | | | | | | | |
| HCFT/6-315/H | | 315 | | | | | | | | | | |
| HCFT/6-355/H | 925 | 355 | 83 | 0,3 | 0,2 | 48 | 2.260 | 8 | – | RMT-1,5 | VFTM-Tri 0,37 | VFKB-45 |
| HCFT/6-400/H | 880 | 400 | 107 | 0,5 | 0,3 | 51 | 3.070 | 9 | – | RMT-1,5 | VFTM-Tri 0,37 | VFKB-45 |
| HCFT/6-450/H | 910 | 450 | 146 | 0,5 | 0,3 | 54 | 4.440 | 13 | – | RMT-1,5 | VFTM-Tri 0,37 | VFKB-45 |
| HCFT/6-500/H | 920 | 500 | 240 | 1,0 | 0,6 | 57 | 6.350 | 16 | – | RMT-1,5 | VFTM-Tri 0,37 | VFKB-45 |
| HCFT/6-560/H | 925 | 560 | 337 | 1,2 | 0,7 | 59 | 8.320 | 22 | – | RMT-1,5 | VFTM-Tri 0,37 | VFKB-45 |
| HCFT/6-630/H | 920 | 630 | 534 | 2,1 | 1,2 | 62 | 11.400 | 25 | – | RMT-1,5 | VFTM-Tri 0,37 | VFKB-45 |
| HCFT/6-710/H | 955 | 710 | 888 | 4,5 | 2,6 | 65 | 16.260 | 27 | – | RMT-5 | VFTM-Tri 1,5 | VFKB-45 |
| HCFT/6-800/L-X-0,55 | 940 | 800 | 1042 | 3,5 | 2,0 | 73 | 18.310 | 31 | – | – | VFTM-Tri 0,75 | VFKB 45 |
| HCFT/6-800/H-X-0,75 | 945 | 800 | 1160 | 3,8 | 2,2 | 75 | 19.960 | 36 | – | – | VFTM-Tri 1,1 | VFKB 45 |
| HCFT/6-900/L-X-1,1 | 965 | 900 | 1266 | 4,7 | 2,7 | 74 | 23.160 | 53 | – | – | VFTM-Tri 1,5 | VFKB 45 |
| HCFT/6-900/H-X-1,5 | 955 | 900 | 2202 | 7,1 | 4,1 | 78 | 31.720 | 56 | – | – | VFTM-Tri 1,5 | VFKB 45 |
| HCFT/6-1000/L-X-1,1 | 940 | 1000 | 1749 | 5,7 | 3,3 | 79 | 28.970 | 54 | – | – | VFTM-Tri 1,5 | VFKB 45 |
| HCFT/6-1000/H-X-1,5 | 945 | 1000 | 2627 | 8,1 | 4,7 | 84 | 37.980 | 59 | – | – | VFTM-Tri 2,2 | VFKB 45 |

* Nivel de presión sonora, medida en campo libre, a una distancia equivalente a tres veces el diámetro de la hélice, con un mínimo de 1,5 metros.
** Alimentación de los reguladores trifásicos (RMT) o convertidores de frecuencia (VFKB/VFTM): trifásicos 400V.

## CARACTERÍSTICAS TÉCNICAS

**PARA MODELOS CON HÉLICE DE ALUMINIO**

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación

| Modelo | Velocidad (r.p.m.) | Ø (mm) | Potencia absorbida máxima (W) | Intensidad máxima (A) | | Nivel presión sonora (dB(A)* | Caudal máximo (m³/h) | Peso (kg) | Regulador de tensión opcional | | Convertidor de frecuencia opcional | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 230 V | 400 V | | | | REB | RMB/T** | VFTM** | VFKB** |
| MONOFÁSICOS 4 POLOS | | | | | | | | | | | | |
| HCBB/4-250/H | 1325 | 250 | 84 | 0,4 | – | 49 | 1.130 | 5 | REB-1 | RMB-1,5 | – | – |
| HCBB/4-315/H | 1235 | 315 | 124 | 0,7 | – | 55 | 2.220 | 7 | REB-1 | RMB-1,5 | – | – |
| HCBB/4-355/H | 1385 | 355 | 193 | 0,9 | – | 59 | 3.590 | 8 | REB-2,5 | RMB-1,5 | – | – |
| HCBB/4-400/H | 1360 | 400 | 315 | 1,5 | – | 62 | 4.830 | 9 | REB-2,5 | RMB-3,5 | – | – |
| HCBB/4-450/H | 1410 | 450 | 626 | 2,8 | – | 65 | 7.180 | 13 | REB-5 | RMB-3,5 | – | – |
| HCBB/4-500/H | 1370 | 500 | 762 | 3,3 | – | 68 | 8.850 | 16 | REB-5 | RMB-3,5 | – | – |
| HCBB/4-560/H | 1390 | 560 | 1433 | 6,5 | – | 70 | 13.400 | 22 | REB-10 | RMB-8 | – | – |
| HCBB/4-630/H | 1360 | 630 | 1879 | 8,3 | – | 71 | 16.720 | 25 | – | – | – | – |
| MONOFÁSICOS 6 POLOS | | | | | | | | | | | | |
| HCBB/6-355/H | 900 | 355 | 84 | 0,4 | – | 48 | 2.230 | 8 | REB-1 | RMB-1,5 | – | – |
| HCBB/6-400/H | 845 | 400 | 112 | 0,5 | – | 51 | 3.010 | 9 | REB-1 | RMB-1,5 | – | – |
| HCBB/6-450/H | 935 | 450 | 191 | 0,8 | – | 54 | 4.400 | 13 | REB-2,5 | RMB-1,5 | – | – |
| HCBB/6-500/H | 915 | 500 | 244 | 1,1 | – | 57 | 5.620 | 16 | REB-2,5 | RMB-3,5 | – | – |
| HCBB/6-560/H | 930 | 560 | 449 | 1,9 | – | 59 | 8.950 | 22 | REB-2,5 | RMB-3,5 | – | – |
| HCBB/6-630/H | 915 | 630 | 588 | 2,9 | – | 62 | 10.950 | 25 | REB-5 | RMB-3,5 | – | – |
| TRIFÁSICOS 4 POLOS | | | | | | | | | | | | |
| HCBT/4-250/H | 1330 | 250 | 81 | 0,3 | 0,2 | 49 | 1.120 | 5 | – | RMT-1,5 | VFTM-Tri 0,37 | VFKB-45 |
| HCBT/4-315/H | 1330 | 315 | 125 | 0,5 | 0,3 | 55 | 2.380 | 7 | – | RMT-1,5 | VFTM-Tri 0,37 | VFKB-45 |
| HCBT/4-355/H | 1380 | 355 | 181 | 0,8 | 0,5 | 59 | 3.530 | 8 | – | RMT-1,5 | VFTM-Tri 0,37 | VFKB-45 |
| HCBT/4-400/H | 1340 | 400 | 283 | 1,2 | 0,7 | 62 | 5.020 | 9 | – | RMT-1,5 | VFTM-Tri 0,37 | VFKB-45 |
| HCBT/4-450/H | 1350 | 450 | 547 | 1,7 | 1,0 | 65 | 6.800 | 13 | – | RMT-1,5 | VFTM-Tri 0,37 | VFKB-45 |
| HCBT/4-500/H | 1390 | 500 | 809 | 2,7 | 1,6 | 68 | 9.140 | 16 | – | RMT-2,5 | VFTM-Tri 0,55 | VFKB-45 |
| HCBT/4-560/H | 1390 | 560 | 1287 | 4,0 | 2,3 | 70 | 12.950 | 22 | – | RMT-2,5 | VFTM-Tri 0,75 | VFKB-45 |
| HCBT/4-630/H | 1385 | 630 | 1736 | 5,4 | 3,1 | 73 | 16.840 | 25 | – | – | VFTM-Tri 1,1 | VFKB-45 |
| HCBT/4-710/H | 1350 | 710 | 2554 | 7,6 | 4,4 | 74 | 22.400 | 27 | – | – | VFTM-Tri 2,2 | VFKB-45 |
| HCBT/4-800/L-X-1,5 | 1410 | 800 | 2632 | 7,3 | 4,2 | 78 | 23.290 | 37 | – | – | VFTM-Tri 1,5 | VFKB-45 |
| HCBT/4-800/H-X-3 | 1440 | 800 | 4595 | 12,8 | 7,4 | 84 | 33.100 | 52 | – | – | VFTM-Tri 4 | VFKB-48 |
| HCBT/4-900/L-X-3 | 1450 | 900 | 3909 | 12,0 | 6,9 | 82 | 34.270 | 62 | – | – | VFTM-Tri 3 | VFKB-48 |
| HCBT/4-900/H-X-5,5 | 1455 | 900 | 7893 | | 13,4 | 87 | 46.270 | 96 | – | – | VFTM-Tri 5,5 | – |
| HCBT/4-1000/L-X-3 | 1415 | 1000 | 5048 | 14,2 | 8,2 | 86 | 39.910 | 67 | – | – | VFTM-Tri 4 | VFKB-48 |
| HCBT/4-1000/H-X-7,5 | 1470 | 1000 | 8675 | | 14,6 | 93 | 53.700 | 101 | – | – | VFTM-Tri 7,5 | – |
| TRIFÁSICOS 6 POLOS | | | | | | | | | | | | |
| HCBT/6-355/H | 900 | 355 | 91 | 0,3 | 0,2 | 48 | 2.270 | 8 | – | RMT-1,5 | VFTM-Tri 0,37 | VFKB-45 |
| HCBT/6-400/H | 840 | 400 | 120 | 0,5 | 0,3 | 51 | 3.050 | 9 | – | RMT-1,5 | VFTM-Tri 0,37 | VFKB-45 |
| HCBT/6-450/H | 925 | 450 | 198 | 0,9 | 0,5 | 54 | 4.620 | 13 | – | RMT-1,5 | VFTM-Tri 0,37 | VFKB-45 |
| HCBT/6-500/H | 905 | 500 | 282 | 1,1 | 0,6 | 57 | 6.190 | 16 | – | RMT-1,5 | VFTM-Tri 0,37 | VFKB-45 |
| HCBT/6-560/H | 895 | 560 | 401 | 1,4 | 0,8 | 59 | 8.650 | 22 | – | RMT-1,5 | VFTM-Tri 0,37 | VFKB-45 |
| HCBT/6-630/H | 910 | 630 | 596 | 2,3 | 1,3 | 62 | 10.950 | 25 | – | RMT-1,5 | VFTM-Tri 0,37 | VFKB-45 |
| HCBT/6-710/H | 950 | 710 | 953 | 4,7 | 2,7 | 65 | 15.350 | 27 | – | RMT-5 | VFTM-Tri 1,5 | VFKB-45 |
| HCBT/6-800/L-X-0,55 | 940 | 800 | 1025 | 3,3 | 1,9 | 73 | 17.600 | 31 | – | – | VFTM-Tri 0,75 | VFKB-45 |
| HCBT/6-800/H-X-0,75 | 935 | 800 | 1309 | 4,2 | 2,4 | 75 | 20.630 | 36 | – | – | VFTM-Tri 1,1 | VFKB-45 |
| HCBT/6-900/L-X-1,1 | 960 | 900 | 1341 | 4,8 | 2,8 | 74 | 23.700 | 54 | – | – | VFTM-Tri 1,5 | VFKB-45 |
| HCBT/6-900/H-X-1,5 | 955 | 900 | 2289 | 7,3 | 4,2 | 78 | 32.300 | 57 | – | – | VFTM-Tri 1,5 | VFKB-45 |
| HCBT/6-1000/L-X-1,1 | 940 | 1000 | 1855 | 5,9 | 3,4 | 79 | 28.810 | 56 | – | – | VFTM-Tri 1,5 | VFKB-45 |
| HCBT/6-1000/H-X-1,5 | 940 | 1000 | 2392 | 7,7 | 4,4 | 83 | 34.300 | 60 | – | – | VFTM-Tri 2,2 | VFKB-45 |

* Nivel de presión sonora, medida en campo libre, a una distancia equivalente a tres veces el diámetro de la hélice, con un mínimo de 1,5 metros.
** Alimentación de los reguladores trifásicos (RMT) o convertidores de frecuencia (VFKB/VFTM): trifásicos 400V.

## REFERENCIA

| H | C | F | T | / | 4 | - | 4 | 0 | 0 | / | H | | A | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | | 5 | | | 6 | | | 7 | | 8 | | 9 |

1. **H:** Helicoidal mural
2. **C:** Sigla de la serie
3. Tipo de hélice:
   **F:** Ø250 - Ø630 Hélice de plástico de álabes fijos
   Ø710 - Ø1000 Hélice de cubo de aluminio + álabes de plástico orientables
   **G:** Hélice de plástico de álabes orientables.
   **B:** Ø250 - Ø400 Hélice aluminio de álabes fijos Ø450 - Ø1000 Hélice de aluminio de álabes orientables
4. Tipo de alimentación:
   **B:** Monofásico
   **T:** Trifásico
5. Número de polos:
   **2:** (aprox. 2900 r.p.m. - 50Hz)
   **4:** (aprox. 1400 r.p.m. - 50Hz)
   **6:** (aprox. 900 r.p.m. - 50Hz)
6. Diámetro nominal del ventilador en mm
7. Ángulo de inclinación de los álabes:
   **H:** Grande
   **I,L:** Pequeño
8. Sentido del aire:
   **A:** Motor-Hélice
9. Variantes de fabricación:
   **W:** Con caja de bornes remota
   **M:** Sin caja de bornes
   **X:** Soporte sin rejilla
   **P:** Soporte profundo
   **N:** Sin marco embocadura
   **S:** Conjunto motor-hélice
   **L:** Funcionamiento bajo lluvia
   **C:** Eliminación de condensaciones
   **EX:** Versiones antiexplosivas y antideflagrantes
   **G:** Anticorrosión reforzada para aplicaciones en granjas
   **TF:** Con pintura anticorrosiva de teflón

## CONEXIÓN ELÉCTRICA



| Tipo de red eléctrica | Tipo de motor | Conexión | Velocidad |
|---|---|---|---|
| MONOFÁSICA 220V 50Hz, 240V 50Hz | 230V 50Hz | Según esquema del aparato | Rápida |
| TRIFÁSICA 220V 50Hz 240V 50Hz | 230/400V 50Hz | △ | Rápida |
| | | Y | Lenta |
| TRIFÁSICA 380V 50Hz 415V 50Hz | 230/400V 50Hz | Y | Rápida |
| | 400V 50Hz | △ | Rápida |
| | | Y | Lenta |

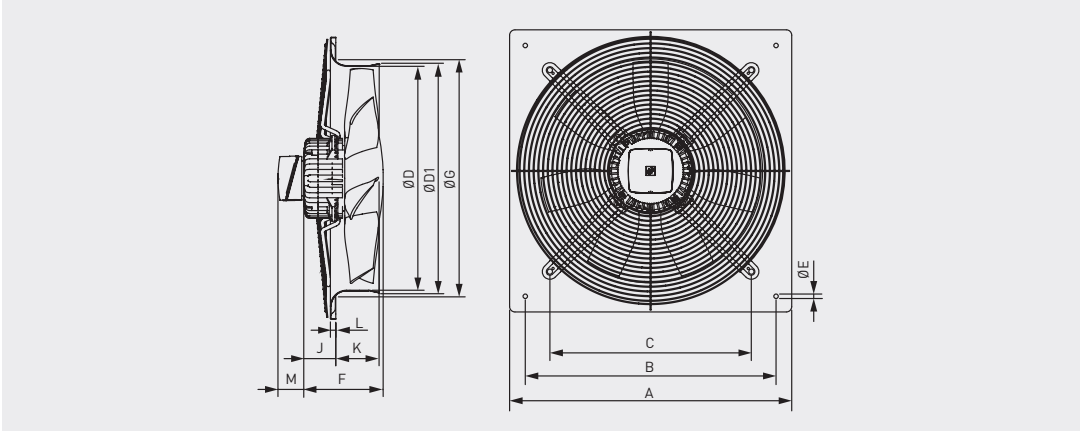
* Para los modelos que admiten regulación en tensión mediante RMT

## CARACTERÍSTICAS ACÚSTICAS

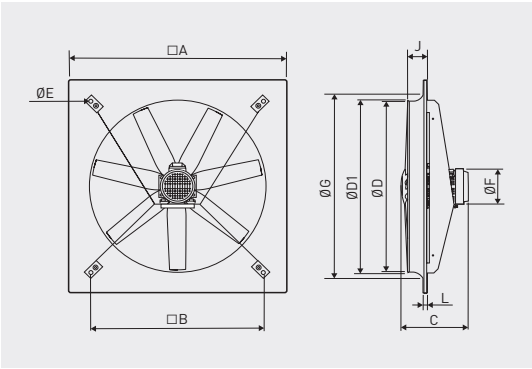
El nivel sonoro indicado en los cuadros de características técnicas y en las curvas características, corresponde a un valor de presión en dB(A), medido en campo libre a una distancia equivalente a tres veces el diámetro de la hélice con un mínimo de 1,5 metros.
Espectro de potencia sonora en dB(A) por banda de frecuencia en Hz y en el punto de máximo caudal

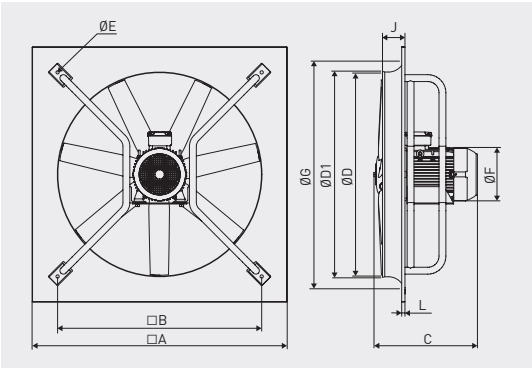
| Modelo | 63 Hz | 125 Hz | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz | 8000 Hz | LwA |
|---|---|---|---|---|---|---|---|---|---|
| 2 POLOS | | | | | | | | | |
| HCGB/2-315 | 50 | 61 | 68 | 70 | 72 | 69 | 64 | 58 | 77 |
| HCGT/2-315 | 55 | 66 | 73 | 75 | 77 | 74 | 69 | 63 | 82 |
| HCGB/2-355 | 55 | 66 | 73 | 75 | 77 | 74 | 69 | 63 | 82 |
| HCGT/2-355 | 55 | 70 | 69 | 77 | 82 | 78 | 73 | 66 | 85 |
| 4 POLOS | | | | | | | | | |
| /4-250/H | 31 | 45 | 52 | 57 | 58 | 57 | 52 | 44 | 63 |
| /4-315/H | 42 | 53 | 60 | 62 | 64 | 61 | 56 | 50 | 69 |
| /4-355/H | 43 | 58 | 57 | 65 | 70 | 66 | 61 | 54 | 73 |
| /4-400/H | 48 | 61 | 62 | 68 | 73 | 69 | 66 | 57 | 76 |
| /4-450/H | 46 | 65 | 62 | 68 | 75 | 74 | 69 | 62 | 79 |
| /4-500/H | 49 | 68 | 68 | 74 | 78 | 76 | 72 | 65 | 82 |
| /4-560/H | 57 | 70 | 74 | 78 | 80 | 78 | 74 | 67 | 85 |
| /4-630/H | 57 | 72 | 76 | 81 | 85 | 82 | 79 | 72 | 89 |
| /4-710/H | 58 | 75 | 83 | 85 | 87 | 85 | 81 | 72 | 92 |
| /4-800/L | 58 | 77 | 87 | 93 | 93 | 89 | 83 | 76 | 97 |
| /4-800/H | 64 | 83 | 93 | 99 | 99 | 95 | 89 | 82 | 103 |
| /4-900/L | 59 | 81 | 91 | 97 | 98 | 94 | 88 | 80 | 102 |
| /4-900/H | 64 | 86 | 96 | 102 | 103 | 99 | 93 | 85 | 107 |
| /4-1000/L | 62 | 85 | 95 | 101 | 102 | 98 | 93 | 84 | 106 |
| /4-1000/H | 69 | 92 | 102 | 107 | 109 | 105 | 100 | 90 | 113 |
| 6 POLOS | | | | | | | | | |
| /6-315/H | 32 | 43 | 50 | 52 | 54 | 51 | 46 | 40 | 59 |
| /6-355/H | 32 | 47 | 46 | 54 | 59 | 55 | 50 | 43 | 62 |
| /6-400/H | 37 | 50 | 51 | 57 | 62 | 58 | 55 | 46 | 65 |
| /6-450/H | 35 | 54 | 51 | 57 | 64 | 63 | 58 | 51 | 68 |
| /6-500/H | 38 | 57 | 57 | 63 | 67 | 65 | 61 | 54 | 71 |
| /6-560/H | 46 | 59 | 63 | 67 | 69 | 67 | 63 | 56 | 74 |
| /6-630/H | 46 | 61 | 65 | 70 | 74 | 71 | 68 | 61 | 78 |
| /6-710/H | 49 | 66 | 74 | 76 | 78 | 76 | 72 | 63 | 83 |
| /6-800/L | 52 | 71 | 81 | 87 | 87 | 83 | 77 | 70 | 91 |
| /6-800/H | 54 | 73 | 83 | 89 | 89 | 85 | 79 | 72 | 93 |
| /6-900/L | 51 | 73 | 83 | 89 | 90 | 86 | 80 | 72 | 94 |
| /6-900/H | 55 | 77 | 87 | 93 | 94 | 90 | 84 | 76 | 98 |
| /6-1000/L | 56 | 78 | 89 | 94 | 96 | 92 | 86 | 77 | 100 |
| /6-1000/H | 60 | 83 | 93 | 99 | 100 | 96 | 91 | 82 | 104 |

## DIMENSIONES (mm)




| Modelo | ⊿ A | ⊿ B | ⊿ C | ØD | ØD1 | ØE | F | | | ØG | J | | | K | L | M | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Número de polos | | | | Número de polos | | | | | Tri | Mono |
| | | | | | | | /2 | /4 | /6 | | /2 | /4 | /6 | | | | |
| 250 | 315 | 260 | 220 | 254 | 261 | 10 | | 122 | | 294 | | 59 | | 53 | 12 | 60 | 65 |
| 315 | 400 | 330 | 280 | 315 | 320 | 10 | 129 | 122 | 122 | 329 | 45 | 32 | 32 | 68 | 12 | 60 | 65 |
| 355 | 450 | 380 | 315 | 355 | 363 | 10 | 129 | 129 | 129 | 371 | 45 | 45 | 45 | 75 | 12 | 60 | 65 |
| 400 | 500 | 420 | 355 | 400 | 410 | 10 | | 129 | 129 | 422 | | 40,5 | 40,5 | 78 | 12 | 60 | 65 |
| 450 | 560 | 480 | 400 | 450 | 457 | 10 | | 150 | 150 | 476 | | 48 | 48 | 91 | 12 | 60 | 65 |
| 500 | 630 | 560 | 450 | 500 | 512 | 10 | | 150 | 150 | 536 | | 44,5 | 44,5 | 97 | 12 | 60 | 65 |
| 560 | 710 | 630 | 510 | 560 | 570 | 10 | | 218,5 | 150 | 596 | | 110,5 | 42 | 98,5 | 12 | 60 | 65 |
| 630 | 800 | 710 | 580 | 630 | 640 | 12 | | 218,5 | 150 | 674 | | 110,5 | 41 | 103 | 12 | 60 | 65 |
| 710 | 900 | 800 | 636 | 710 | 720 | 12 | | 220 | 218,5 | 733 | | 114 | 134 | 91,5 | 16,5 | 60 | 65 |

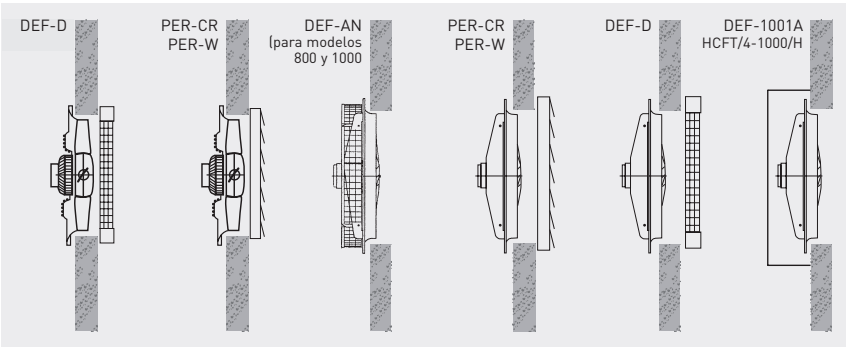



| Modelo | ⊿ A | ⊿ B | ØD | ØD1 | ØE | J | ØG | C | | | | ØF | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | /4 | | /6 | | /4 | | /6 | |
| | | | | | | | | L | H | L | H | L | H | L | H |
| 800 | 1000 | 800 | 800 | 810 | 18 | 92 | 926 | 363 | 445 | 318 | 363 | 180 | 200 | 160 | 180 |
| 900 | 1120 | 900 | 900 | 910 | 18 | 120 | 1060 | 445 | 502 | 393 | 400 | 200 | 275 | 180 | 200 |
| 1000 | 1250 | 1000 | 1000 | 1010 | 18 | 110 | 1154 | 445 | - | 393 | 400 | 200 | - | 180 | 200 |
| 4-1000/H | 1250 | 1000 | 1000 | 1010 | 16 | 110 | 1154 | - | 502 | - | - | - | 275 | - | - |

## ACESORIOS DE MONTAJE






| HCFB/HCFT HCBB/HCBT | Defensas de protección | | Persianas de sobrepresión | |
|---|---|---|---|---|
| | Descarga | Aspiración | Plástico | Aluminio |
| 250 | DEF-250 D | – | PER-250 W | PER-250 CR |
| 315 | DEF-325 D | – | PER-355 W | PER-355 CR |
| 355 | DEF-375 D | – | PER-355 W | PER-355 CR |
| 400 | DEF-450 D | – | PER-400 W | PER-400 CR |
| 450 | DEF-450 D | – | PER-450 W | PER-450 CR |
| 500 | DEF-525 D | – | PER-500 W | PER-500 CR |
| 560 | DEF-630 D | – | PER-560 W | PER-630 CR |
| 630 | DEF-630 D | – | PER-630 W | PER-630 CR |
| 710 | DEF-800 D | – | PER-710 W | PER-710 CR |
| 800 | DEF-800 D | DEF- 800 AN | PER-800 W | PER-800 CR |
| /4-900/H | DEF-1000 D | DEF- 900 AN | PER-1000 W | PER-1000 CR |
| /4-900/L | DEF-1000 D | DEF- 901 AN | PER-1000 W | PER-1000 CR |
| /6-900 | DEF-1000 D | DEF- 901 AN | PER-1000 W | PER-1000 CR |
| 1000 | DEF-1000 D | DEF-1000 AN | PER-1000 W | PER-1000 CR |
| /4-1000/H | DEF-1000 D | DEF-1001 AN | PER-1000 W | PER-1000 CR |

## ACCESORIOS ELÉCTRICOS



**REB-1N / REB-2,5N**
Reguladores electrónicos monofásicos.



**REB-5 / REB-10**
Reguladores electrónicos monofásicos.



**RMB / RMT**
Reguladores electromecánicos monofásicos y trifásicos.



**REB-4 Auto**
Regulador electrónico monofásico. Específico para granjas.



**VFTM TRI IP54**
Convertidores de frecuencia para motores de 0,37 a 15 kW - 230V o 400V.




**VFKB IP65**
Convertidores de frecuencia para motores de 0,37 a 4 kW - 230V o 400V.



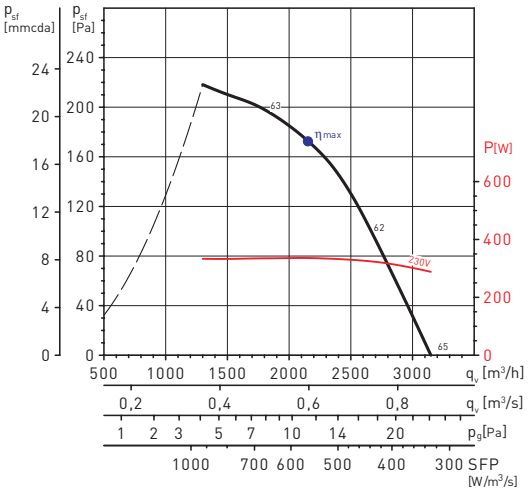
**COM D/S**
Conmutador estrella / triángulo, para el arranque de los ventiladores trifásicos dotados de motor 400V.

## CURVAS CARACTERÍSTICAS

**MOTORES DE 2 POLOS**

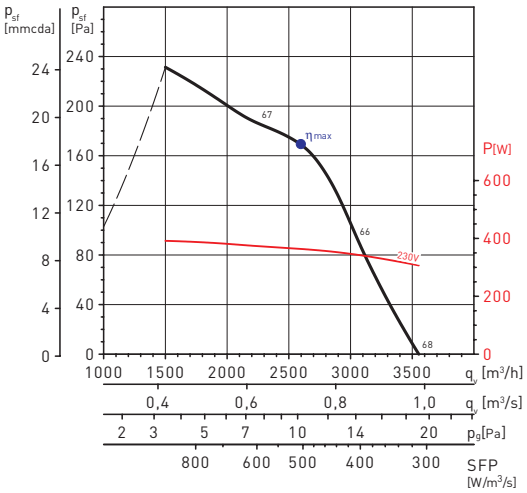
- $q_v$: Caudal en $m^3/h$ y $m^3/s$
- $p_{sf}$: Presión estática en mmcda y Pa
- $p_g$: Pérdida de carga de la defensa en Pa
- SFP: Factor específico de potencia en $W/m^3/s$
- P: Potencia absorbida en W
- Categoría de medición: A
- Categoría de eficiencia: estática
- Eficiencia del ventilador sin mando de regulación de velocidad
- Pruebas efectuadas con el ventilador sin defensa.
- Caudal de acuerdo a la Norma ISO 5801
- Nivel de presión sonora en dB(A), medido en campo libre a una distancia equivalente a 3 veces el diámetro, con un mínimo de 1,5 m

### HCGB/2-315/L



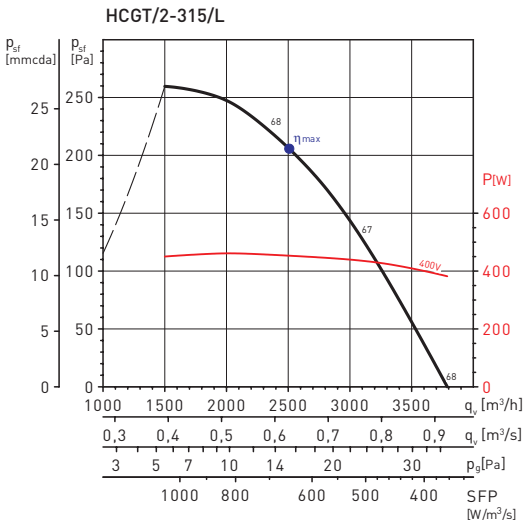

| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 30,8 | 40,1 | 0,336 | 2106 | 177 | 2597 |

### HCGB/2-355/J



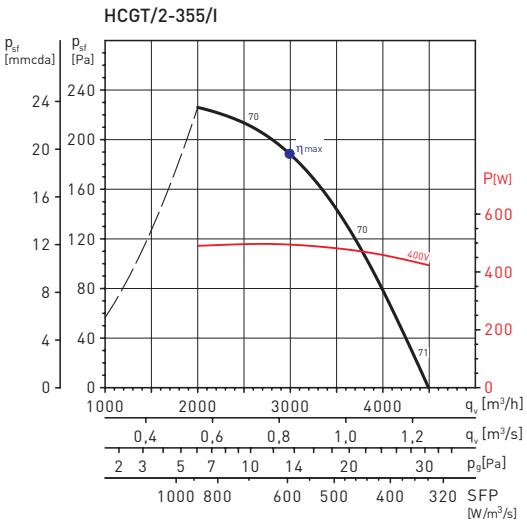

| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 33,8 | 42,9 | 0,364 | 2597 | 169 | 2590 |

### HCGT/2-315/L




| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 31,7 | 40,2 | 0,455 | 2440 | 212 | 2543 |

### HCGT/2-355/I




| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 31,7 | 40,0 | 0,495 | 2997 | 188 | 2454 |

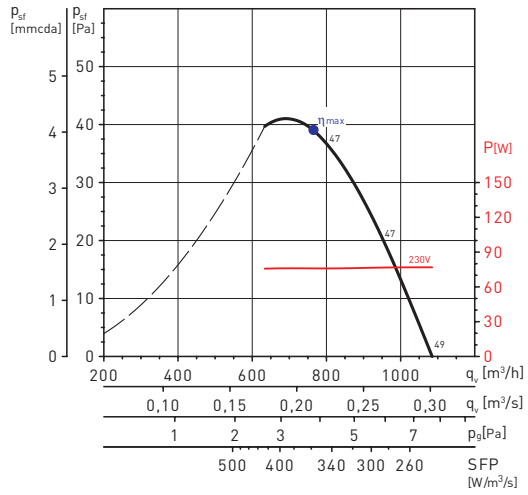
**MC** Categoría de medición
**EC** Categoría de eficiencia
**VSD** Mando de regulación de velocidad: debe suministrarse con el ventilador
**SR** Relación específica
**η[%]** Eficiencia
**N** Grado de eficiencia
**[kW]** Potencia absorbida
**[m³/h]** Caudal
**[Pa]** Presión estática
**[RPM]** Velocidad

## CURVAS CARACTERÍSTICAS

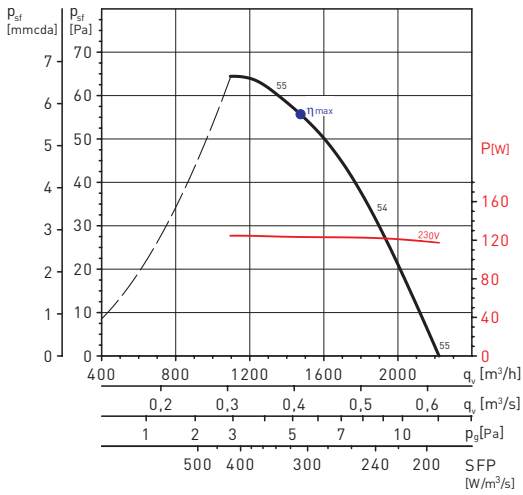
**MOTORES DE 4 POLOS**

- $q_v$: Caudal en $m^3/h$ y $m^3/s$
- $p_{sf}$: Presión estática en mmcda y Pa
- $p_g$: Pérdida de carga de la defensa en Pa
- SFP: Factor específico de potencia en $W/m^3/s$
- P: Potencia absorbida en W
- Categoría de medición: A
- Categoría de eficiencia: estática
- Eficiencia del ventilador sin mando de regulación de velocidad
- Pruebas efectuadas con el ventilador sin defensa.
- Caudal de acuerdo a la Norma ISO 5801
- Nivel de presión sonora en dB(A), medido en campo libre a una distancia equivalente a 3 veces el diámetro, con un mínimo de 1,5 m

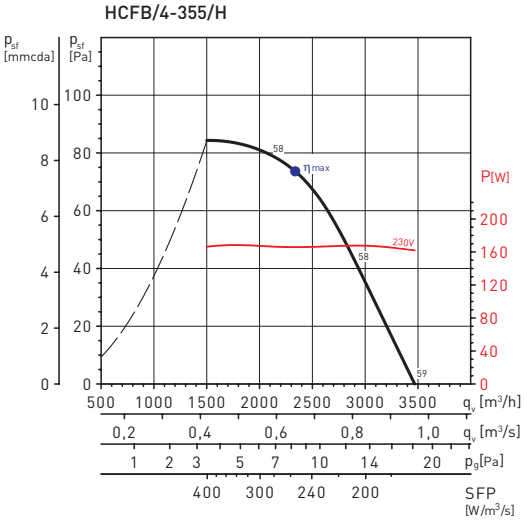
HCFB/4-250/H



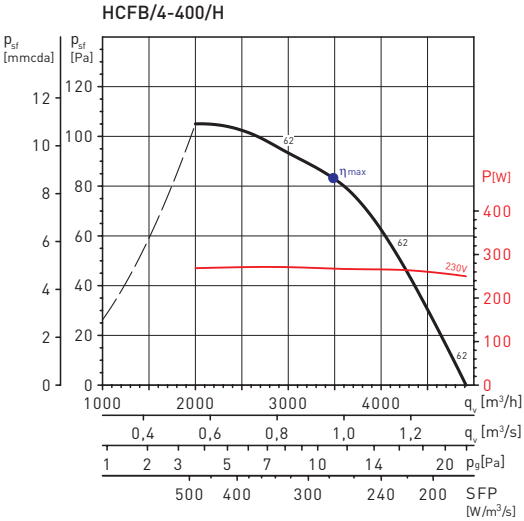

HCFB/4-315/H




HCFB/4-355/H




HCFB/4-400/H




| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 28,8 | 40,1 | 0,166 | 2339 | 74 | 1406 |

| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 30,1 | 40 | 0,268 | 3488 | 83 | 1411 |

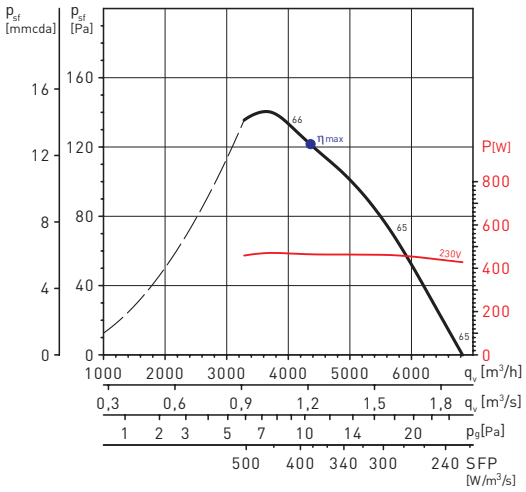
| | |
|---|---|
| **MC** | Categoría de medición |
| **EC** | Categoría de eficiencia |
| **VSD** | Mando de regulación de velocidad: debe suministrarse con el ventilador |
| **SR** | Relación específica |
| **η[%]** | Eficiencia |
| **N** | Grado de eficiencia |
| **[kW]** | Potencia absorbida |
| **[m³/h]** | Caudal |
| **[Pa]** | Presión estática |
| **[RPM]** | Velocidad |

## CURVAS CARACTERÍSTICAS

**MOTORES DE 4 POLOS**

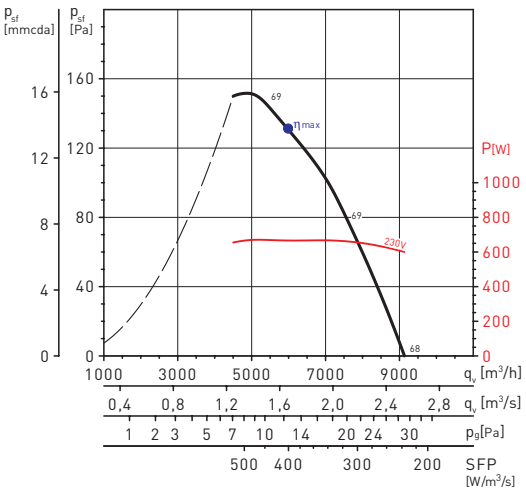
- $q_v$: Caudal en $m^3/h$ y $m^3/s$
- $p_{sf}$: Presión estática en mmcda y Pa
- $p_g$: Pérdida de carga de la defensa en Pa
- SFP: Factor específico de potencia en $W/m^3/s$
- P: Potencia absorbida en W
- Categoría de medición: A
- Categoría de eficiencia: estática
- Eficiencia del ventilador sin mando de regulación de velocidad
- Pruebas efectuadas con el ventilador sin defensa.
- Caudal de acuerdo a la Norma ISO 5801
- Nivel de presión sonora en dB(A), medido en campo libre a una distancia equivalente a 3 veces el diámetro, con un mínimo de 1,5 m

### HCFB/4-450/H



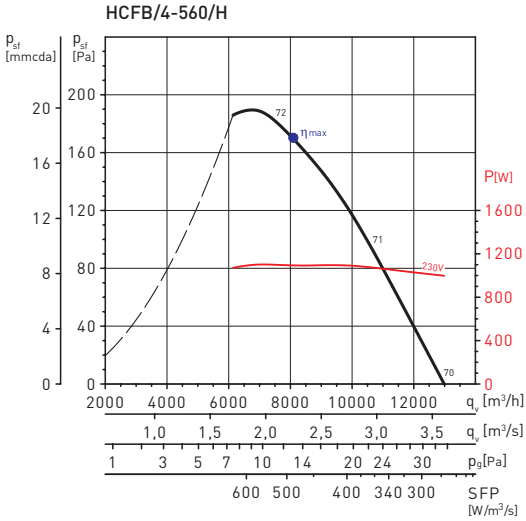

| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 31,7 | 40,1 | 0,466 | 4214 | 126 | 1351 |

### HCFB/4-500/H



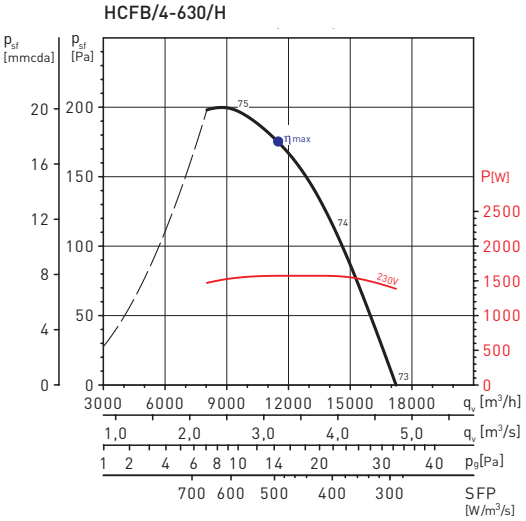

| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 32,8 | 40,2 | 0,667 | 5735 | 137 | 1351 |

### HCFB/4-560/H




| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 34,9 | 41 | 1,093 | 8081 | 170 | 1386 |

### HCFB/4-630/H




| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 35,5 | 40,6 | 1,573 | 11483 | 175 | 1345 |

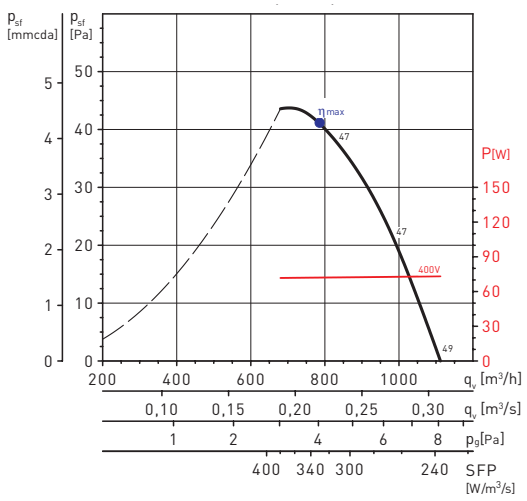
**MC** Categoría de medición
**EC** Categoría de eficiencia
**VSD** Mando de regulación de velocidad: debe suministrarse con el ventilador
**SR** Relación específica
**η[%]** Eficiencia
**N** Grado de eficiencia
**[kW]** Potencia absorbida
**[m³/h]** Caudal
**[Pa]** Presión estática
**[RPM]** Velocidad

## CURVAS CARACTERÍSTICAS

**MOTORES DE 4 POLOS**

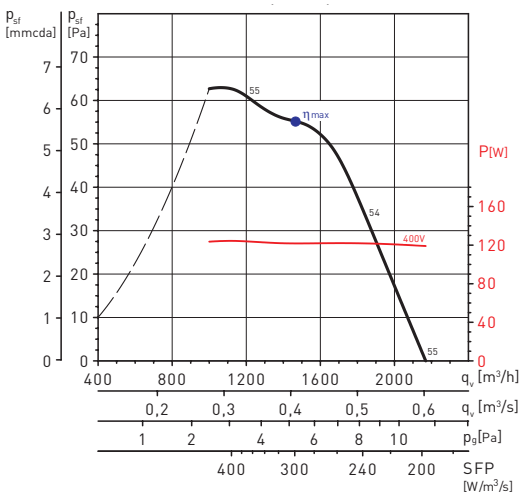
- $q_v$: Caudal en $m^3/h$ y $m^3/s$
- $p_{sf}$: Presión estática en mmcda y Pa
- $p_g$: Pérdida de carga de la defensa en Pa
- SFP: Factor específico de potencia en $W/m^3/s$
- P: Potencia absorbida en W
- Categoría de medición: A
- Categoría de eficiencia: estática
- Eficiencia del ventilador sin mando de regulación de velocidad
- Pruebas efectuadas con el ventilador sin defensa.
- Caudal de acuerdo a la Norma ISO 5801
- Nivel de presión sonora en dB(A), medido en campo libre a una distancia equivalente a 3 veces el diámetro, con un mínimo de 1,5 m

HCFT/4-250/H



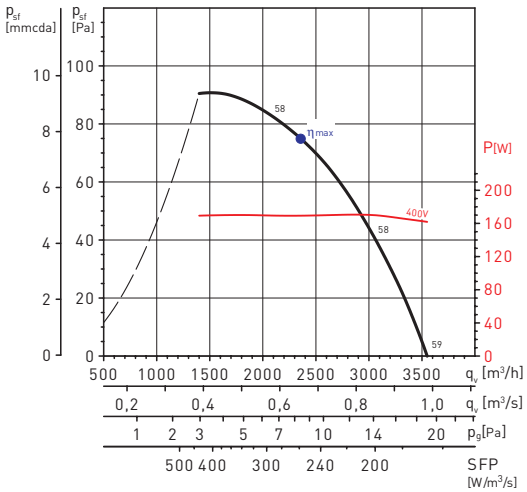

| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 29 | 40,2 | 0,169 | 2331 | 76 | 1379 |

HCFT/4-315/H

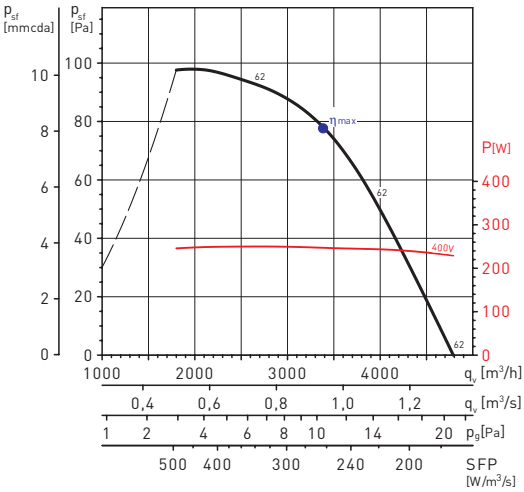



| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 29,8 | 40 | 0,248 | 3257 | 82 | 1354 |

HCFT/4-355/H




HCFT/4-400/H



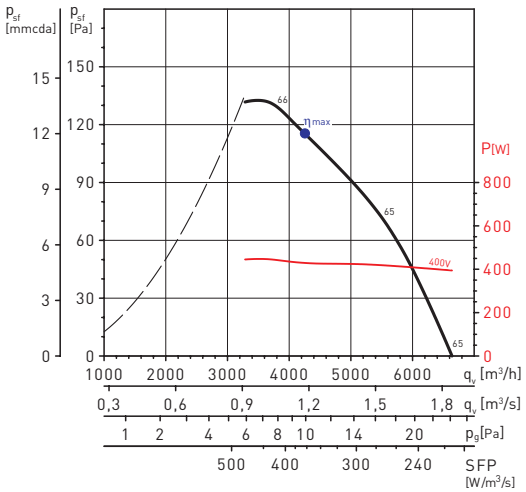

**MC** Categoría de medición
**EC** Categoría de eficiencia
**VSD** Mando de regulación de velocidad: debe suministrarse con el ventilador
**SR** Relación específica
**η[%]** Eficiencia
**N** Grado de eficiencia
**[kW]** Potencia absorbida
**[m³/h]** Caudal
**[Pa]** Presión estática
**[RPM]** Velocidad

## CURVAS CARACTERÍSTICAS

**MOTORES DE 4 POLOS**

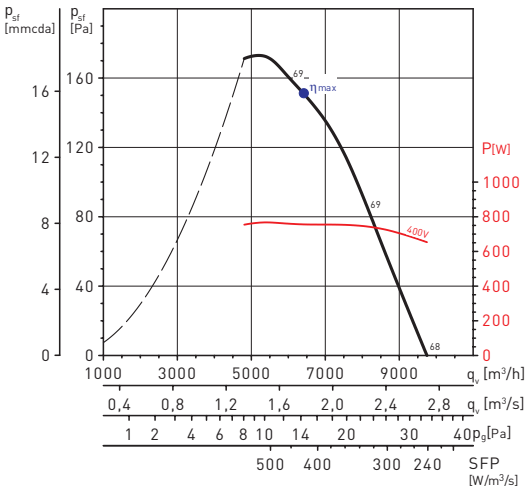
- $q_v$: Caudal en $m^3/h$ y $m^3/s$
- $p_{sf}$: Presión estática en mmcda y Pa
- $p_g$: Pérdida de carga de la defensa en Pa
- SFP: Factor específico de potencia en $W/m^3/s$
- P: Potencia absorbida en W
- Categoría de medición: A
- Categoría de eficiencia: estática
- Eficiencia del ventilador sin mando de regulación de velocidad
- Pruebas efectuadas con el ventilador sin defensa.
- Caudal de acuerdo a la Norma ISO 5801
- Nivel de presión sonora en dB(A), medido en campo libre a una distancia equivalente a 3 veces el diámetro, con un mínimo de 1,5 m

### HCFT/4-450/H



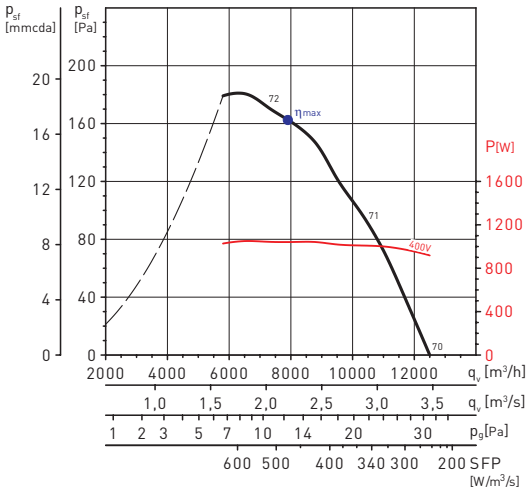

| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 31,8 | 40,5 | 0,429 | 4261 | 115 | 1351 |

### HCFT/4-500/H



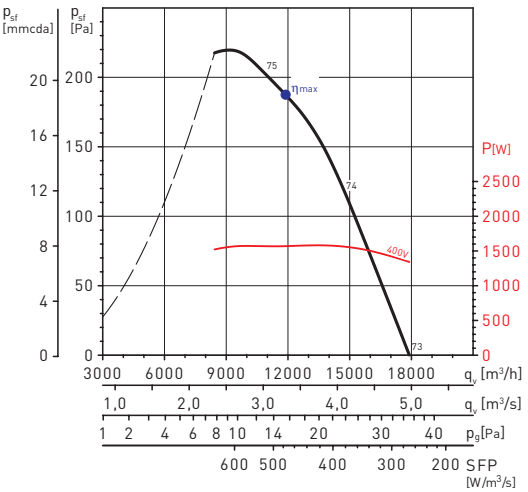

| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 35,7 | 42,8 | 0,756 | 6476 | 150 | 1449 |

### HCFT/4-560/H




| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 34,9 | 41,1 | 1,045 | 8422 | 156 | 1377 |

### HCFT/4-630/H




| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 39,5 | 44,6 | 1,569 | 11760 | 189 | 1404 |

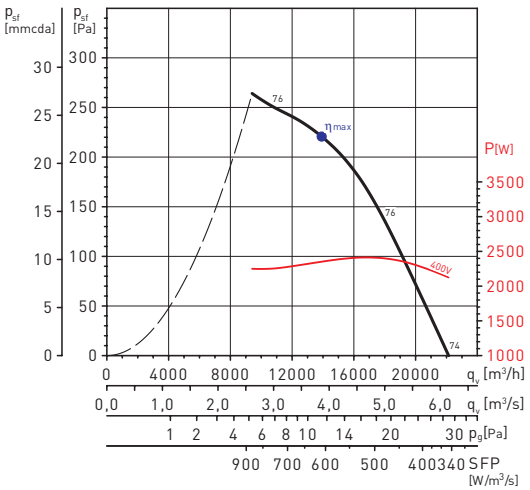
**MC** Categoría de medición
**EC** Categoría de eficiencia
**VSD** Mando de regulación de velocidad: debe suministrarse con el ventilador
**SR** Relación específica
**η[%]** Eficiencia
**N** Grado de eficiencia
**[kW]** Potencia absorbida
**[m³/h]** Caudal
**[Pa]** Presión estática
**[RPM]** Velocidad

## CURVAS CARACTERÍSTICAS

**MOTORES DE 4 POLOS**

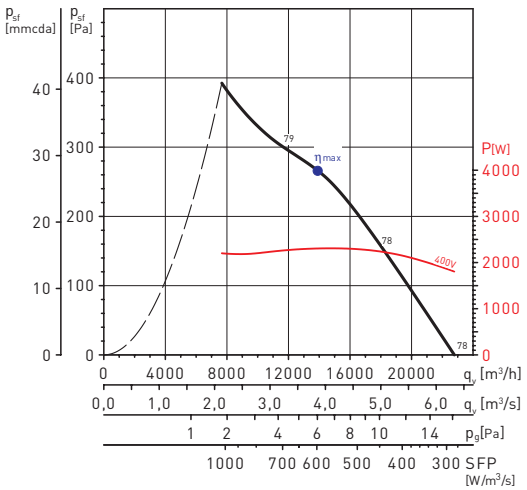
- $q_v$: Caudal en $m^3/h$ y $m^3/s$
- $p_{sf}$: Presión estática en mmcda y Pa
- $p_g$: Pérdida de carga de la defensa en Pa
- SFP: Factor específico de potencia en $W/m^3/s$
- P: Potencia absorbida en W
- Categoría de medición: A
- Categoría de eficiencia: estática
- Eficiencia del ventilador sin mando de regulación de velocidad
- Pruebas efectuadas con el ventilador sin defensa.
- Caudal de acuerdo a la Norma ISO 5801
- Nivel de presión sonora en dB(A), medido en campo libre a una distancia equivalente a 3 veces el diámetro, con un mínimo de 1,5 m

### HCFT/4-710/H



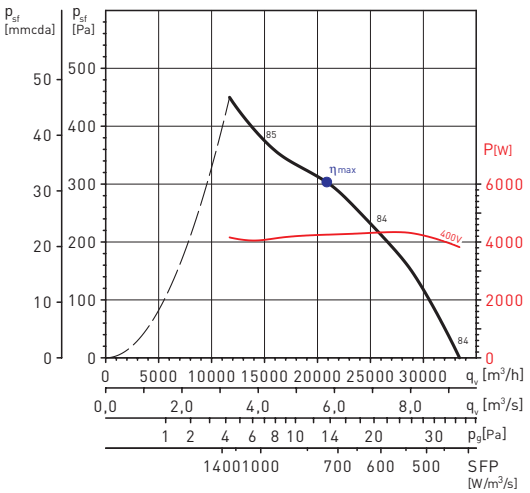

| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 36,3 | 40,3 | 2,352 | 13929 | 221 | 1354 |

### HCFT/4-800/L



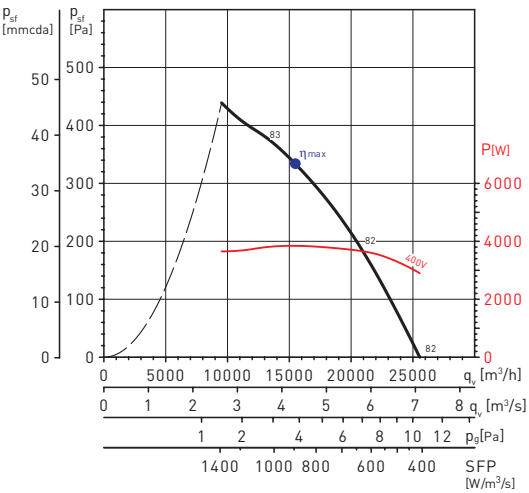

| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 44,7 | 48,7 | 2,305 | 13900 | 266 | 1392 |

### HCFT/4-800/H




| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 41,4 | 43,8 | 4,253 | 20873 | 304 | 1435 |

### HCFT/4-900/L




| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 37,4 | 40 | 3,844 | 15455 | 334 | 1442 |

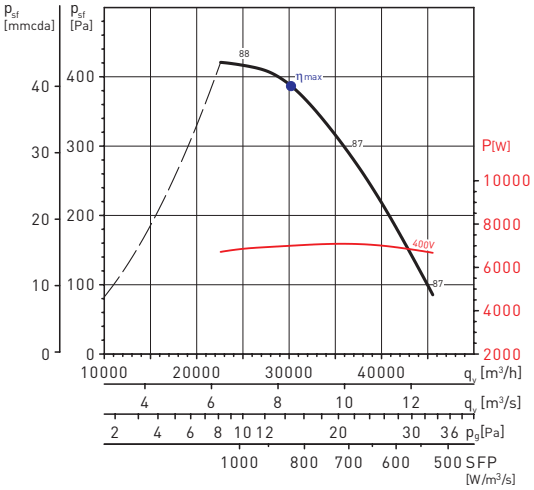
**MC** Categoría de medición
**EC** Categoría de eficiencia
**VSD** Mando de regulación de velocidad: debe suministrarse con el ventilador
**SR** Relación específica
**η[%]** Eficiencia
**N** Grado de eficiencia
**[kW]** Potencia absorbida
**[m³/h]** Caudal
**[Pa]** Presión estática
**[RPM]** Velocidad

## CURVAS CARACTERÍSTICAS

**MOTORES DE 4 POLOS**

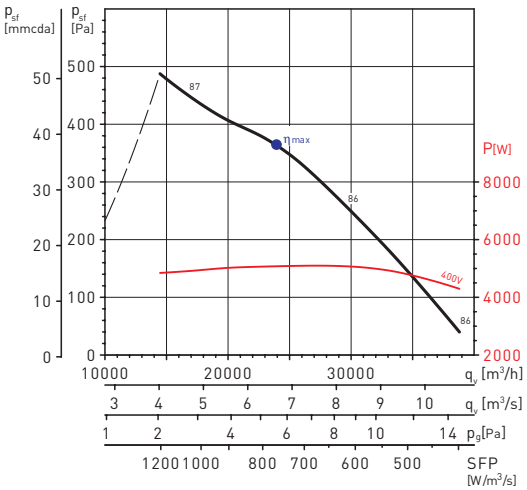
- $q_v$: Caudal en $m^3/h$ y $m^3/s$
- $p_{sf}$: Presión estática en mmcda y Pa
- $p_g$: Pérdida de carga de la defensa en Pa
- SFP: Factor específico de potencia en $W/m^3/s$
- P: Potencia absorbida en W
- Categoría de medición: A
- Categoría de eficiencia: estática
- Eficiencia del ventilador sin mando de regulación de velocidad
- Pruebas efectuadas con el ventilador sin defensa.
- Caudal de acuerdo a la Norma ISO 5801
- Nivel de presión sonora en dB(A), medido en campo libre a una distancia equivalente a 3 veces el diámetro, con un mínimo de 1,5 m

HCFT/4-900/H



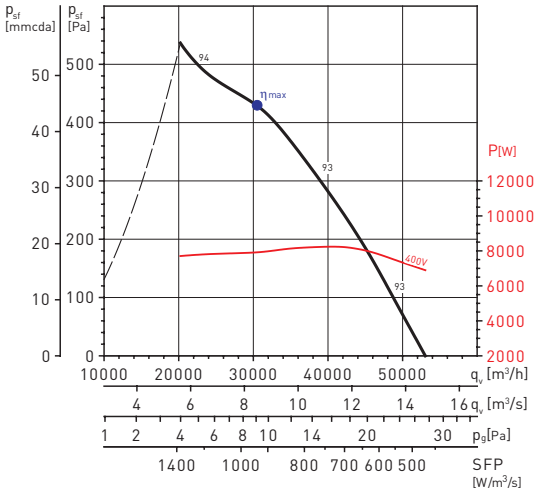

| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 46,3 | 47,3 | 7,001 | 30198 | 387 | 1455 |

HCFT/4-1000/L




| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 47,6 | 49,5 | 5,076 | 23915 | 364 | 1421 |

HCFT/4-1000/H




| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 46,1 | 46,8 | 7,912 | 30528 | 430 | 1469 |

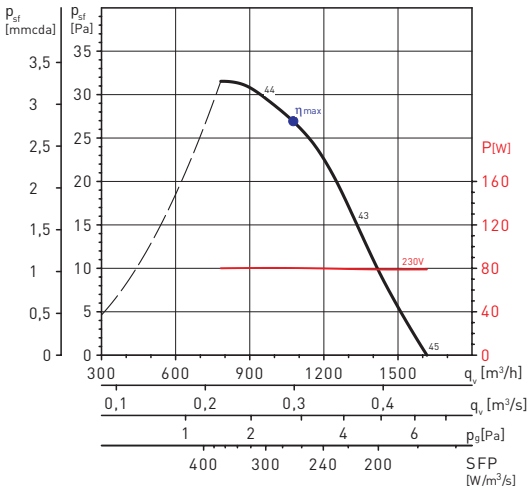
| | |
|---|---|
| **MC** | Categoría de medición |
| **EC** | Categoría de eficiencia |
| **VSD** | Mando de regulación de velocidad: debe suministrarse con el ventilador |
| **SR** | Relación específica |
| **η[%]** | Eficiencia |
| **N** | Grado de eficiencia |
| **[kW]** | Potencia absorbida |
| **[m³/h]** | Caudal |
| **[Pa]** | Presión estática |
| **[RPM]** | Velocidad |

## CURVAS CARACTERÍSTICAS

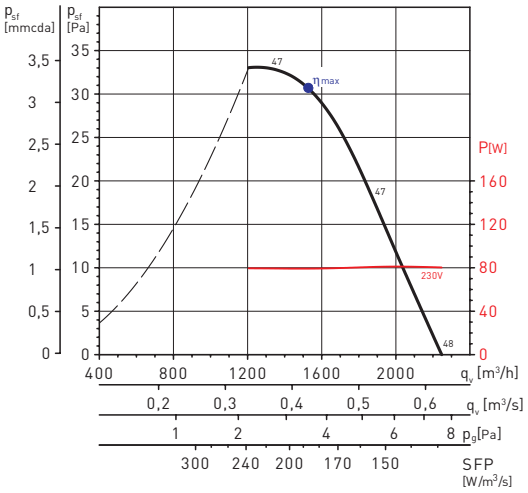
**MOTORES DE 6 POLOS**

- $q_v$: Caudal en $m^3/h$ y $m^3/s$
- $p_{sf}$: Presión estática en mmcda y Pa
- $p_g$: Pérdida de carga de la defensa en Pa
- SFP: Factor específico de potencia en $W/m^3/s$
- P: Potencia absorbida en W
- Categoría de medición: A
- Categoría de eficiencia: estática
- Eficiencia del ventilador sin mando de regulación de velocidad
- Pruebas efectuadas con el ventilador sin defensa.
- Caudal de acuerdo a la Norma ISO 5801
- Nivel de presión sonora en dB(A), medido en campo libre a una distancia equivalente a 3 veces el diámetro, con un mínimo de 1,5 m

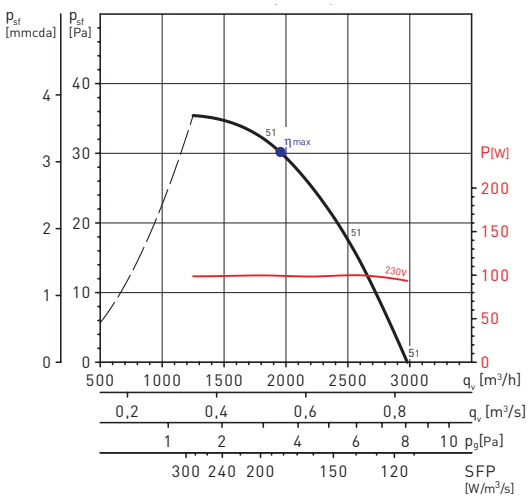
HCFB/6-315/H



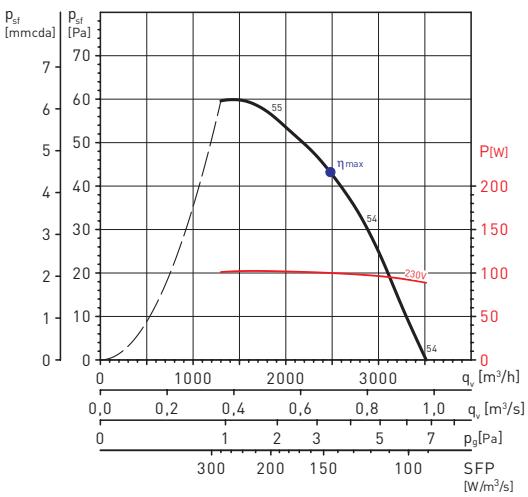

HCFB/6-355/H




HCFB/6-400/H




HCFB/6-450/H




| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 30,2 | 42,8 | 0,101 | 2327 | 47 | 885 |

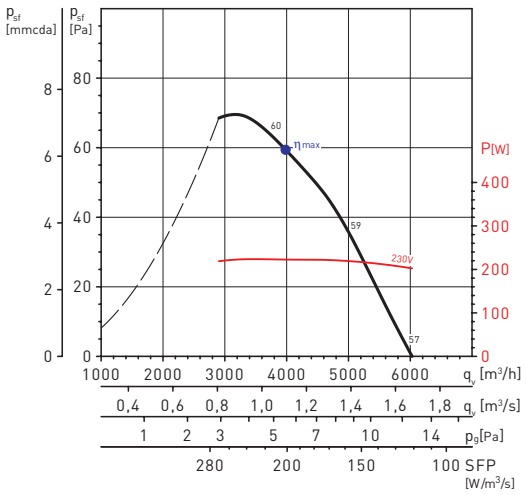
| | |
|---|---|
| **MC** | Categoría de medición |
| **EC** | Categoría de eficiencia |
| **VSD** | Mando de regulación de velocidad: debe suministrarse con el ventilador |
| **SR** | Relación específica |
| **η[%]** | Eficiencia |
| **N** | Grado de eficiencia |
| **[kW]** | Potencia absorbida |
| **[m³/h]** | Caudal |
| **[Pa]** | Presión estática |
| **[RPM]** | Velocidad |

## CURVAS CARACTERÍSTICAS

**MOTORES DE 6 POLOS**

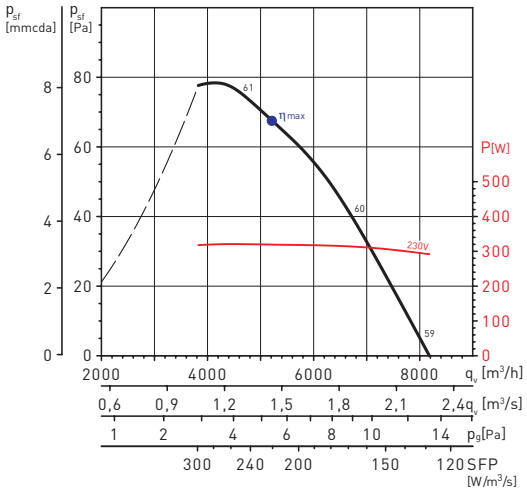
- $q_v$: Caudal en $m^3/h$ y $m^3/s$
- $p_{sf}$: Presión estática en mmcda y Pa
- $p_g$: Pérdida de carga de la defensa en Pa
- SFP: Factor específico de potencia en $W/m^3/s$
- P: Potencia absorbida en W
- Categoría de medición: A
- Categoría de eficiencia: estática
- Eficiencia del ventilador sin mando de regulación de velocidad
- Pruebas efectuadas con el ventilador sin defensa.
- Caudal de acuerdo a la Norma ISO 5801
- Nivel de presión sonora en dB(A), medido en campo libre a una distancia equivalente a 3 veces el diámetro, con un mínimo de 1,5 m

### HCFB/6-500/H



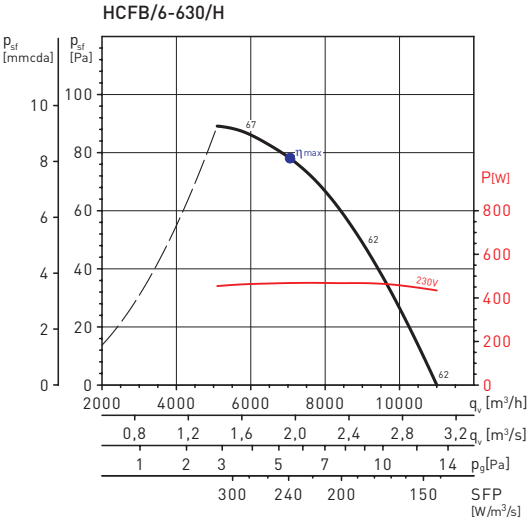

| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 29,7 | 40,1 | 0,223 | 3783 | 63 | 904 |

### HCFB/6-560/H



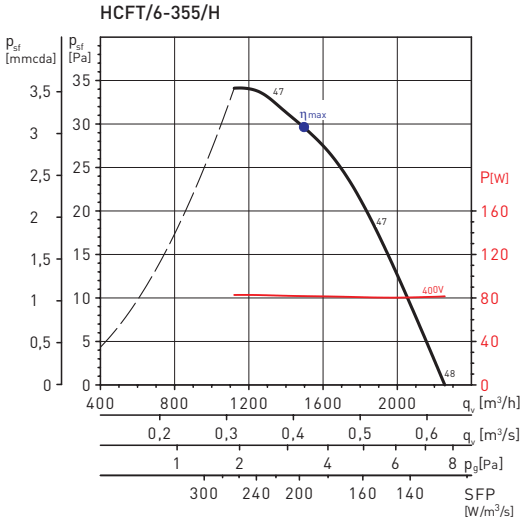

| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 30,7 | 40,2 | 0,319 | 5214 | 68 | 880 |

### HCFB/6-630/H




| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 32,7 | 41,1 | 0,469 | 7230 | 76 | 899 |

### HCFT/6-355/H



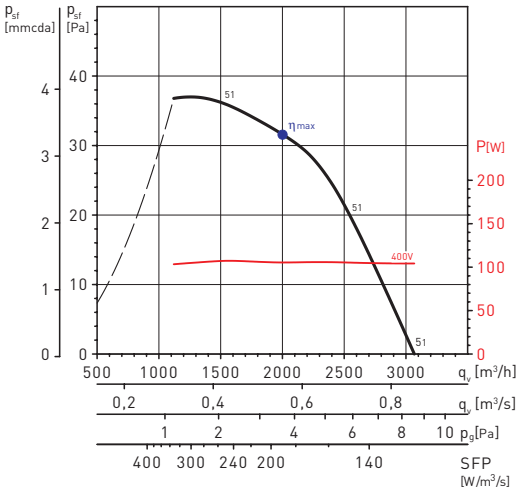

**MC** Categoría de medición
**EC** Categoría de eficiencia
**VSD** Mando de regulación de velocidad: debe suministrarse con el ventilador
**SR** Relación específica
**η[%]** Eficiencia
**N** Grado de eficiencia
**[kW]** Potencia absorbida
**[m³/h]** Caudal
**[Pa]** Presión estática
**[RPM]** Velocidad

## CURVAS CARACTERÍSTICAS

**MOTORES DE 6 POLOS**

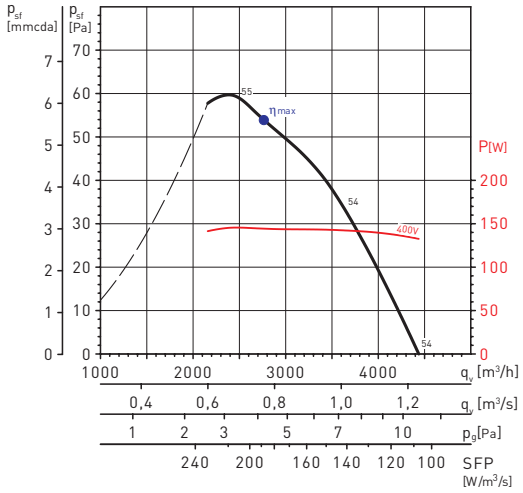
- $q_v$: Caudal en $m^3/h$ y $m^3/s$
- $p_{sf}$: Presión estática en mmcda y Pa
- $p_g$: Pérdida de carga de la defensa en Pa
- SFP: Factor específico de potencia en $W/m^3/s$
- P: Potencia absorbida en W
- Categoría de medición: A
- Categoría de eficiencia: estática
- Eficiencia del ventilador sin mando de regulación de velocidad
- Pruebas efectuadas con el ventilador sin defensa.
- Caudal de acuerdo a la Norma ISO 5801
- Nivel de presión sonora en dB(A), medido en campo libre a una distancia equivalente a 3 veces el diámetro, con un mínimo de 1,5 m

### HCFT/6-400/H



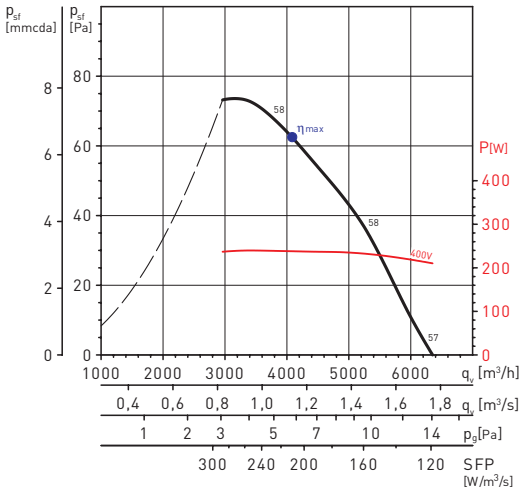

| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 29,9 | 40,2 | 0,239 | 3900 | 66 | 903 |

### HCFT/6-450/H



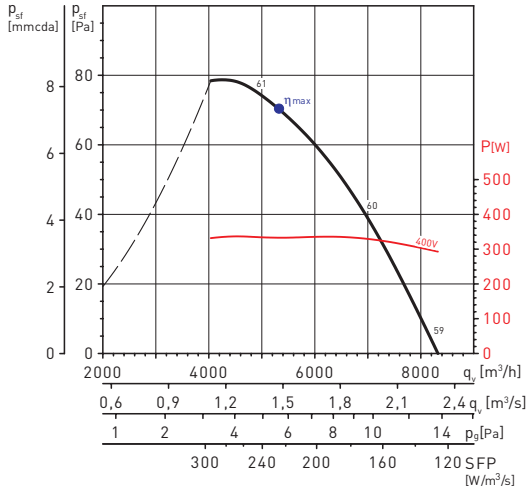

| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 28,8 | 40,4 | 0,144 | 2920 | 51 | 897 |

### HCFT/6-500/H




| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 29,9 | 40,2 | 0,239 | 3900 | 66 | 903 |

### HCFT/6-560/H




| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 31,2 | 40,5 | 0,333 | 5333 | 70 | 905 |

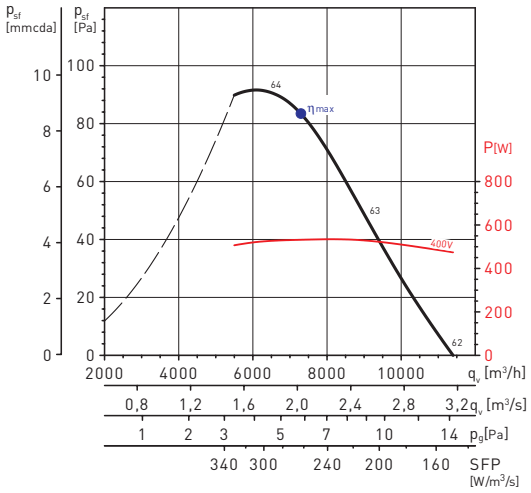
| | |
|---|---|
| **MC** | Categoría de medición |
| **EC** | Categoría de eficiencia |
| **VSD** | Mando de regulación de velocidad: debe suministrarse con el ventilador |
| **SR** | Relación específica |
| **η[%]** | Eficiencia |
| **N** | Grado de eficiencia |
| **[kW]** | Potencia absorbida |
| **[m³/h]** | Caudal |
| **[Pa]** | Presión estática |
| **[RPM]** | Velocidad |

## CURVAS CARACTERÍSTICAS

**MOTORES DE 6 POLOS**

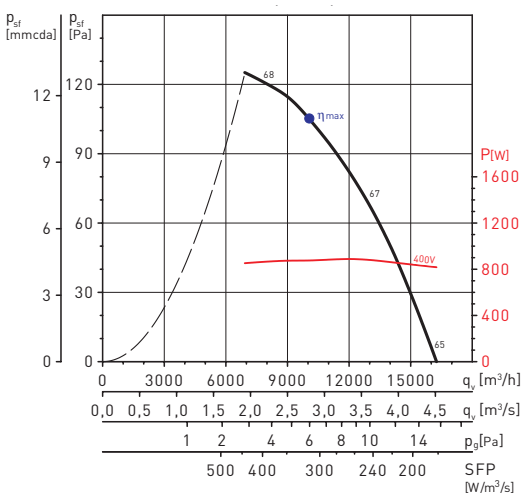
- $q_v$: Caudal en $m^3/h$ y $m^3/s$
- $p_{sf}$: Presión estática en mmcda y Pa
- $p_g$: Pérdida de carga de la defensa en Pa
- SFP: Factor específico de potencia en $W/m^3/s$
- P: Potencia absorbida en W
- Categoría de medición: A
- Categoría de eficiencia: estática
- Eficiencia del ventilador sin mando de regulación de velocidad
- Pruebas efectuadas con el ventilador sin defensa.
- Caudal de acuerdo a la Norma ISO 5801
- Nivel de presión sonora en dB(A), medido en campo libre a una distancia equivalente a 3 veces el diámetro, con un mínimo de 1,5 m

### HCFT/6-630/H



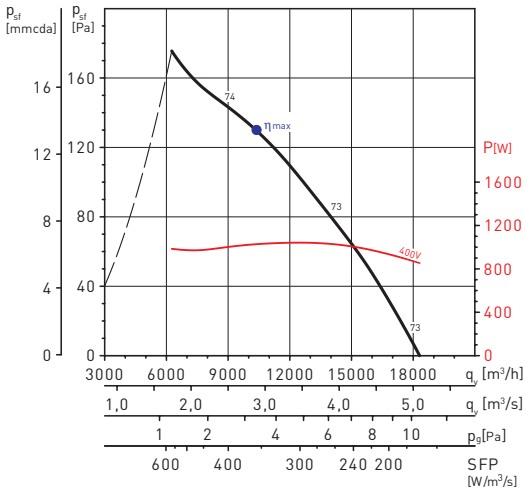

| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 31,9 | 40 | 0,531 | 7080 | 86 | 904 |

### HCFT/6-710/H



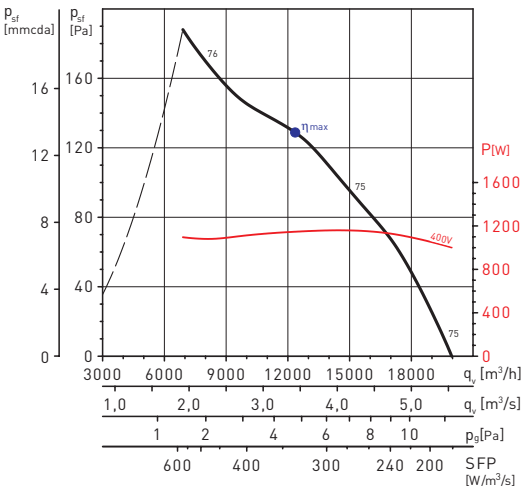

| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 33,5 | 40,2 | 0,876 | 10055 | 105 | 949 |

### HCFT/6-800/L




| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 36,4 | 42,7 | 1,028 | 10372 | 130 | 922 |

### HCFT/6-800/H




| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 38,7 | 44,7 | 1,147 | 12360 | 129 | 931 |

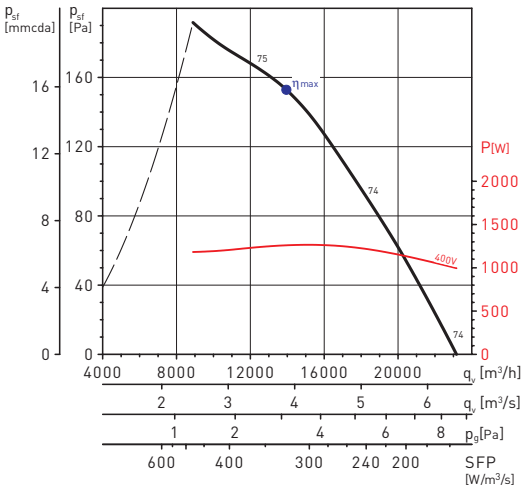
**MC** Categoría de medición
**EC** Categoría de eficiencia
**VSD** Mando de regulación de velocidad: debe suministrarse con el ventilador
**SR** Relación específica
**η[%]** Eficiencia
**N** Grado de eficiencia
**[kW]** Potencia absorbida
**[m³/h]** Caudal
**[Pa]** Presión estática
**[RPM]** Velocidad

## CURVAS CARACTERÍSTICAS

**MOTORES DE 6 POLOS**

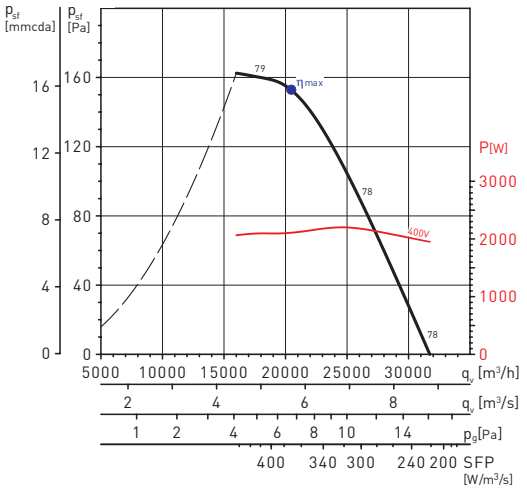
- $q_v$: Caudal en $m^3/h$ y $m^3/s$
- $p_{sf}$: Presión estática en mmcda y Pa
- $p_g$: Pérdida de carga de la defensa en Pa
- SFP: Factor específico de potencia en $W/m^3/s$
- P: Potencia absorbida en W
- Categoría de medición: A
- Categoría de eficiencia: estática
- Eficiencia del ventilador sin mando de regulación de velocidad
- Pruebas efectuadas con el ventilador sin defensa.
- Caudal de acuerdo a la Norma ISO 5801
- Nivel de presión sonora en dB(A), medido en campo libre a una distancia equivalente a 3 veces el diámetro, con un mínimo de 1,5 m

### HCFT/6-900/L



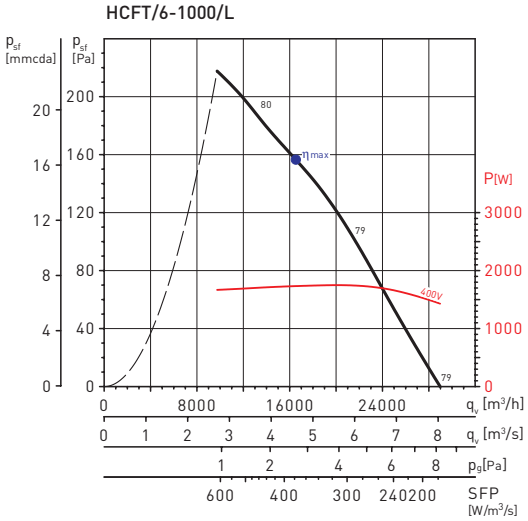

| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 47,1 | 52,8 | 1,26 | 13960 | 153 | 954 |

### HCFT/6-900/H



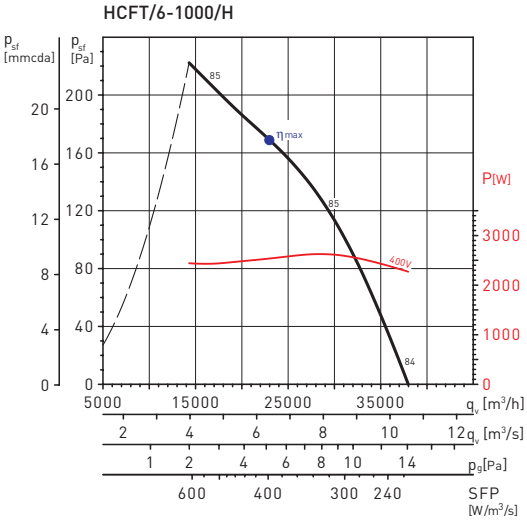

| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 41,2 | 45,5 | 2,107 | 20461 | 153 | 947 |

### HCFT/6-1000/L




| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 41,6 | 46,4 | 1,733 | 16522 | 157 | 926 |

### HCFT/6-1000/H




| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 42,6 | 46,4 | 2,536 | 22959 | 169 | 931 |

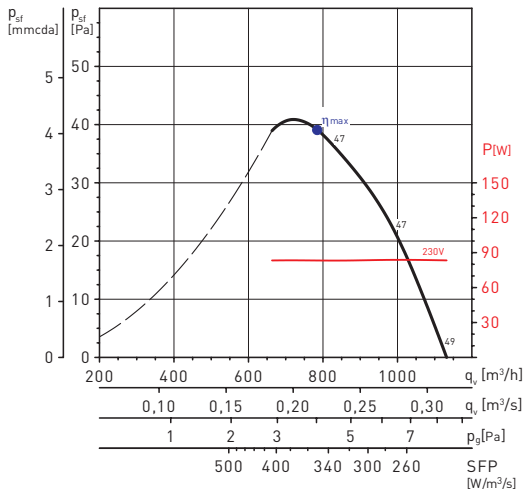
| | |
|---|---|
| **MC** | Categoría de medición |
| **EC** | Categoría de eficiencia |
| **VSD** | Mando de regulación de velocidad: debe suministrarse con el ventilador |
| **SR** | Relación específica |
| **η[%]** | Eficiencia |
| **N** | Grado de eficiencia |
| **[kW]** | Potencia absorbida |
| **[m³/h]** | Caudal |
| **[Pa]** | Presión estática |
| **[RPM]** | Velocidad |

## CURVAS CARACTERÍSTICAS

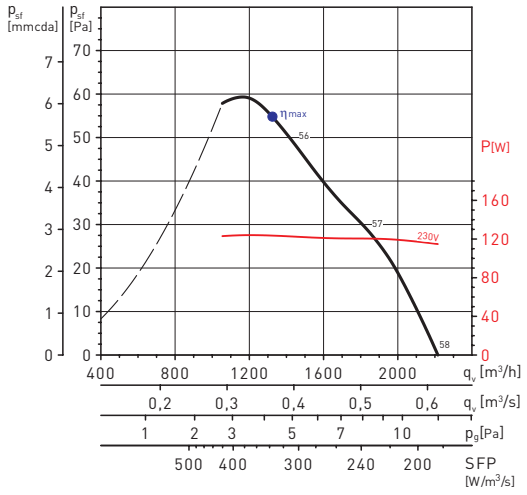
**MOTORES DE 4 POLOS**

- $q_v$: Caudal en $m^3/h$ y $m^3/s$
- $p_{sf}$: Presión estática en mmcda y Pa
- $p_g$: Pérdida de carga de la defensa en Pa
- SFP: Factor específico de potencia en $W/m^3/s$
- P: Potencia absorbida en W
- Categoría de medición: A
- Categoría de eficiencia: estática
- Eficiencia del ventilador sin mando de regulación de velocidad
- Pruebas efectuadas con el ventilador sin defensa.
- Caudal de acuerdo a la Norma ISO 5801
- Nivel de presión sonora en dB(A), medido en campo libre a una distancia equivalente a 3 veces el diámetro, con un mínimo de 1,5 m

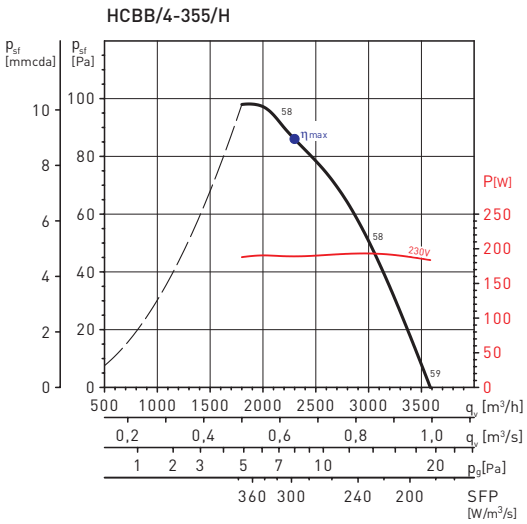
HCBB/4-250/H



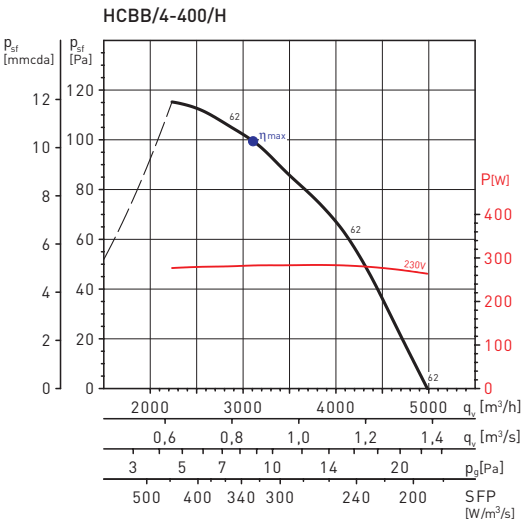

HCBB/4-315/H




HCBB/4-355/H




HCBB/4-400/H




| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 29,1 | 40 | 0,189 | 2300 | 86 | 1377 |

| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 30,4 | 40,2 | 0,283 | 3107 | 100 | 1327 |

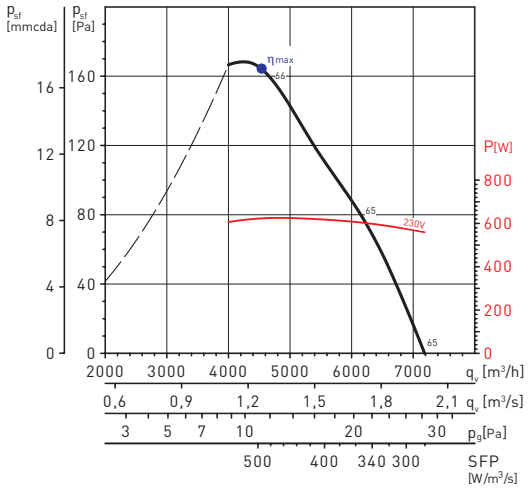
| | |
|---|---|
| **MC** | Categoría de medición |
| **EC** | Categoría de eficiencia |
| **VSD** | Mando de regulación de velocidad: debe suministrarse con el ventilador |
| **SR** | Relación específica |
| **η[%]** | Eficiencia |
| **N** | Grado de eficiencia |
| **[kW]** | Potencia absorbida |
| **[m³/h]** | Caudal |
| **[Pa]** | Presión estática |
| **[RPM]** | Velocidad |

## CURVAS CARACTERÍSTICAS

**MOTORES DE 4 POLOS**

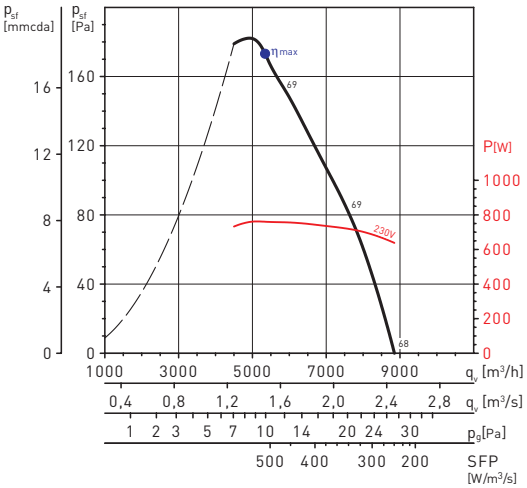
- $q_v$: Caudal en $m^3/h$ y $m^3/s$
- $p_{sf}$: Presión estática en mmcda y Pa
- $p_g$: Pérdida de carga de la defensa en Pa
- SFP: Factor específico de potencia en $W/m^3/s$
- P: Potencia absorbida en W
- Categoría de medición: A
- Categoría de eficiencia: estática
- Eficiencia del ventilador sin mando de regulación de velocidad
- Pruebas efectuadas con el ventilador sin defensa.
- Caudal de acuerdo a la Norma ISO 5801
- Nivel de presión sonora en dB(A), medido en campo libre a una distancia equivalente a 3 veces el diámetro, con un mínimo de 1,5 m

### HCBB/4-450/H



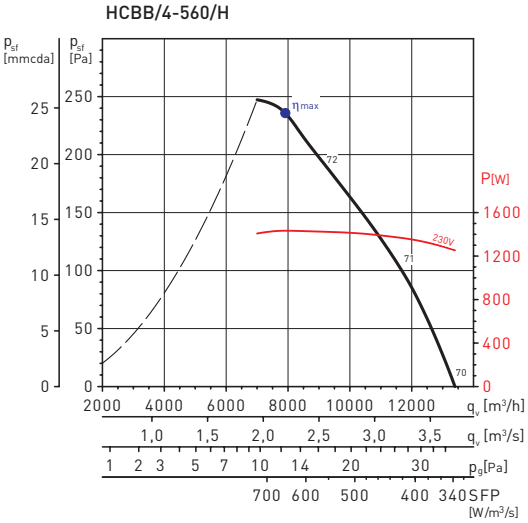

| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 33,2 | 40,8 | 0,623 | 4538 | 164 | 1390 |

### HCBB/4-500/H



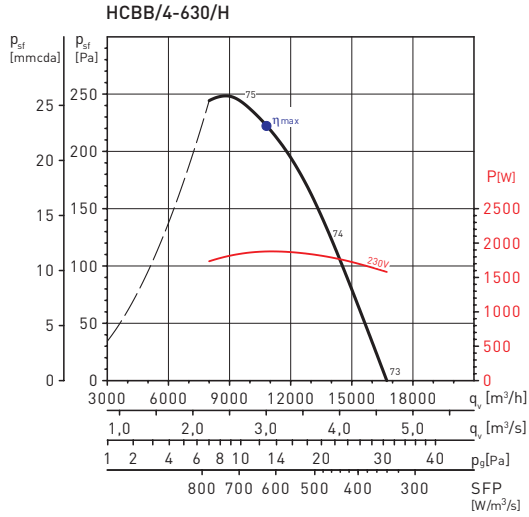

| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 33,6 | 40,7 | 0,76 | 5336 | 172 | 1322 |

### HCBB/4-560/H




| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 36 | 41,3 | 1,433 | 7896 | 235 | 1367 |

### HCBB/4-630/H




| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 35,6 | 40,2 | 1,878 | 10817 | 223 | 1305 |

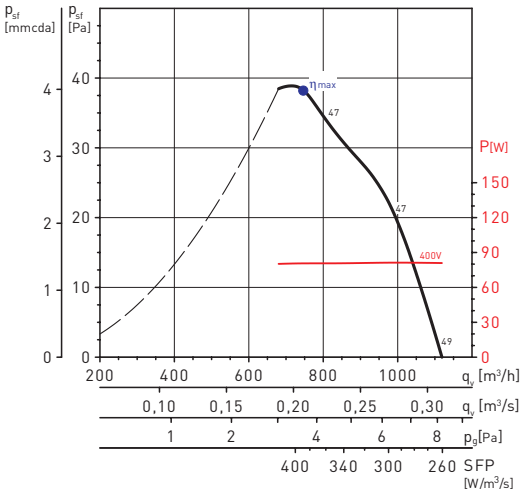
| | |
|---|---|
| **MC** | Categoría de medición |
| **EC** | Categoría de eficiencia |
| **VSD** | Mando de regulación de velocidad: debe suministrarse con el ventilador |
| **SR** | Relación específica |
| **η[%]** | Eficiencia |
| **N** | Grado de eficiencia |
| **[kW]** | Potencia absorbida |
| **[m³/h]** | Caudal |
| **[Pa]** | Presión estática |
| **[RPM]** | Velocidad |

## CURVAS CARACTERÍSTICAS

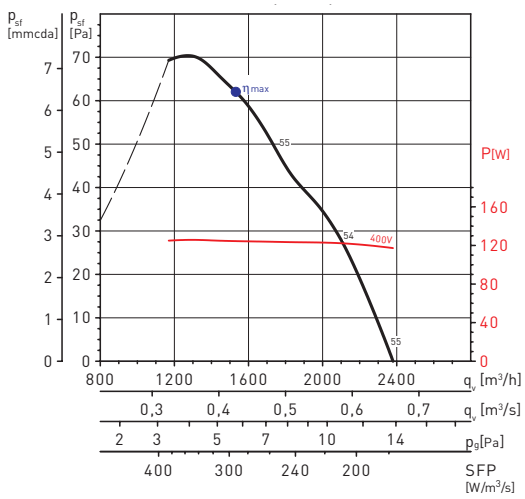
**MOTORES DE 4 POLOS**

- $q_v$: Caudal en $m^3/h$ y $m^3/s$
- $p_{sf}$: Presión estática en mmcda y Pa
- $p_g$: Pérdida de carga de la defensa en Pa
- SFP: Factor específico de potencia en $W/m^3/s$
- P: Potencia absorbida en W
- Categoría de medición: A
- Categoría de eficiencia: estática
- Eficiencia del ventilador sin mando de regulación de velocidad
- Pruebas efectuadas con el ventilador sin defensa.
- Caudal de acuerdo a la Norma ISO 5801
- Nivel de presión sonora en dB(A), medido en campo libre a una distancia equivalente a 3 veces el diámetro, con un mínimo de 1,5 m

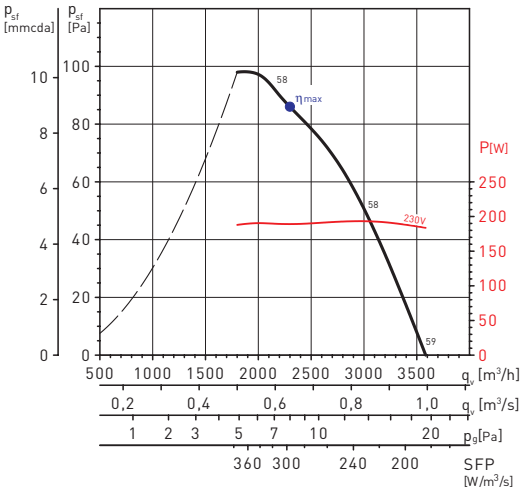
HCBT/4-250/H



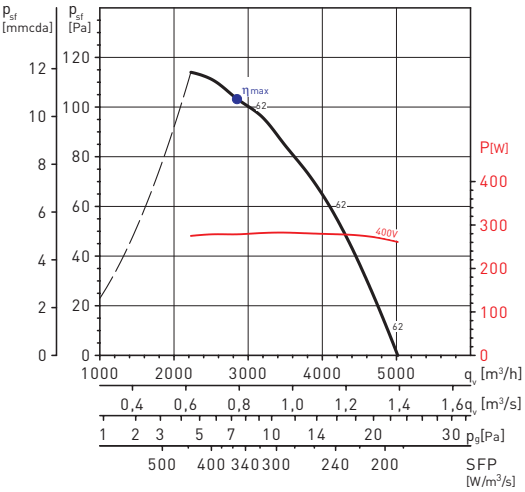

HCBT/4-315/H




HCBT/4-355/H




HCBT/4-400/H




| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 29 | 40 | 0,179 | 2163 | 86 | 1372 |

| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 30,2 | 40 | 0,281 | 3127 | 98 | 1332 |

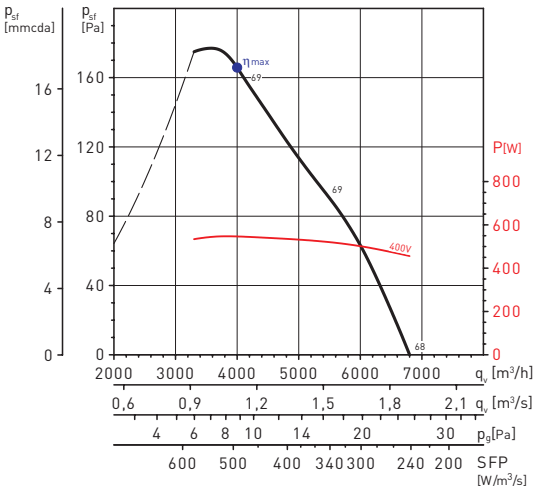
| | |
|---|---|
| **MC** | Categoría de medición |
| **EC** | Categoría de eficiencia |
| **VSD** | Mando de regulación de velocidad: debe suministrarse con el ventilador |
| **SR** | Relación específica |
| **η[%]** | Eficiencia |
| **N** | Grado de eficiencia |
| **[kW]** | Potencia absorbida |
| **[m³/h]** | Caudal |
| **[Pa]** | Presión estática |
| **[RPM]** | Velocidad |

## CURVAS CARACTERÍSTICAS

**MOTORES DE 4 POLOS**

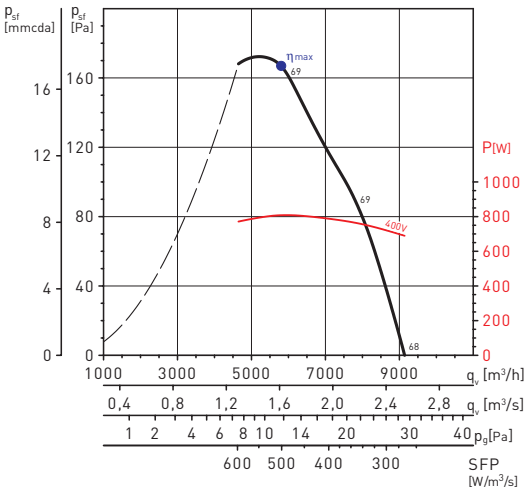
- $q_v$: Caudal en $m^3/h$ y $m^3/s$
- $p_{sf}$: Presión estática en mmcda y Pa
- $p_g$: Pérdida de carga de la defensa en Pa
- SFP: Factor específico de potencia en $W/m^3/s$
- P: Potencia absorbida en W
- Categoría de medición: A
- Categoría de eficiencia: estática
- Eficiencia del ventilador sin mando de regulación de velocidad
- Pruebas efectuadas con el ventilador sin defensa.
- Caudal de acuerdo a la Norma ISO 5801
- Nivel de presión sonora en dB(A), medido en campo libre a una distancia equivalente a 3 veces el diámetro, con un mínimo de 1,5 m

### HCBT/4-450/H



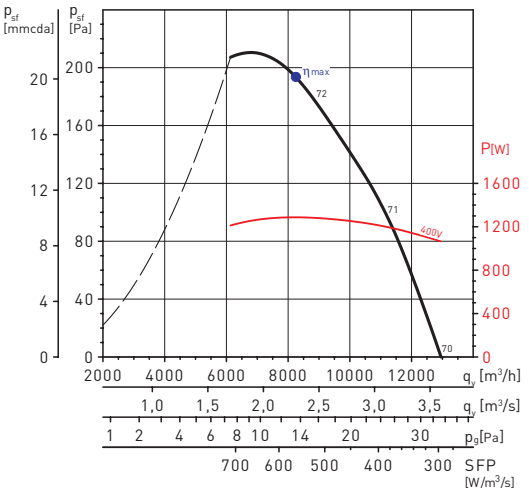

| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 33,6 | 41,3 | 0,605 | 4179 | 175 | 1391 |

### HCBT/4-500/H



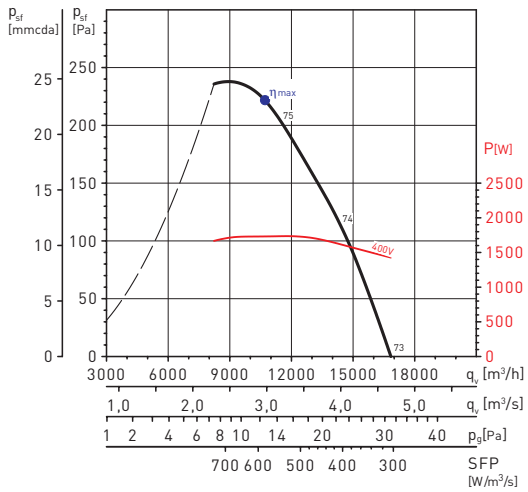

| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 33,1 | 40 | 0,808 | 5793 | 167 | 1357 |

### HCBT/4-560/H




| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 34,4 | 40 | 1,287 | 8244 | 194 | 1349 |

### HCBT/4-630/H




| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 38,1 | 42,9 | 1,731 | 10708 | 222 | 1355 |

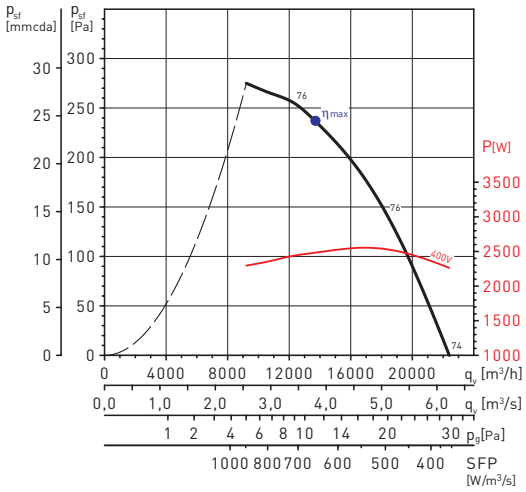
**MC** Categoría de medición
**EC** Categoría de eficiencia
**VSD** Mando de regulación de velocidad: debe suministrarse con el ventilador
**SR** Relación específica
**η[%]** Eficiencia
**N** Grado de eficiencia
**[kW]** Potencia absorbida
**[m³/h]** Caudal
**[Pa]** Presión estática
**[RPM]** Velocidad

## CURVAS CARACTERÍSTICAS

**MOTORES DE 4 POLOS**

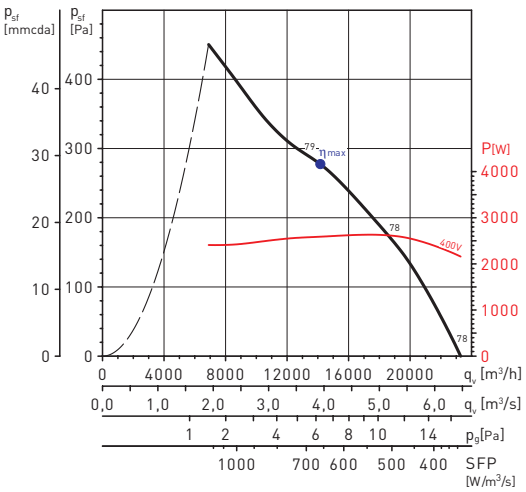
- $q_v$: Caudal en $m^3/h$ y $m^3/s$
- $p_{sf}$: Presión estática en mmcda y Pa
- $p_g$: Pérdida de carga de la defensa en Pa
- SFP: Factor específico de potencia en $W/m^3/s$
- P: Potencia absorbida en W
- Categoría de medición: A
- Categoría de eficiencia: estática
- Eficiencia del ventilador sin mando de regulación de velocidad
- Pruebas efectuadas con el ventilador sin defensa.
- Caudal de acuerdo a la Norma ISO 5801
- Nivel de presión sonora en dB(A), medido en campo libre a una distancia equivalente a 3 veces el diámetro, con un mínimo de 1,5 m

### HCBT/4-710/H



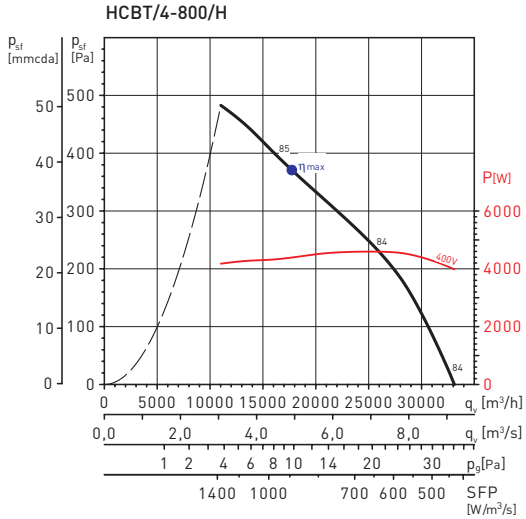

| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 36,3 | 40,1 | 2,483 | 13700 | 237 | 1326 |

### HCBT/4-800/L



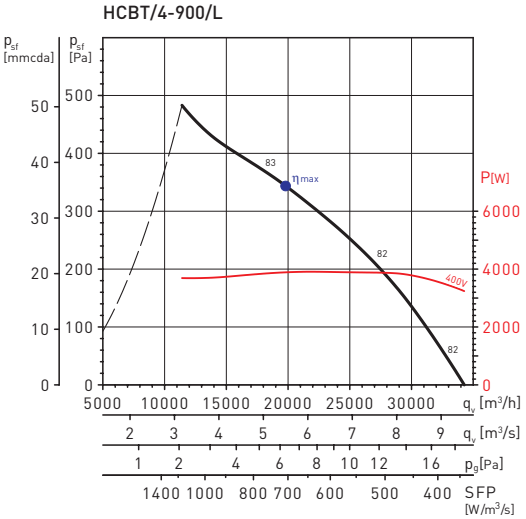

| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 42,2 | 45,9 | 2,589 | 14152 | 278 | 1376 |

### HCBT/4-800/H




| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 41,7 | 44 | 4,389 | 17734 | 371 | 1431 |

### HCBT/4-900/L




| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 48,6 | 51,2 | 3,889 | 19789 | 344 | 1436 |

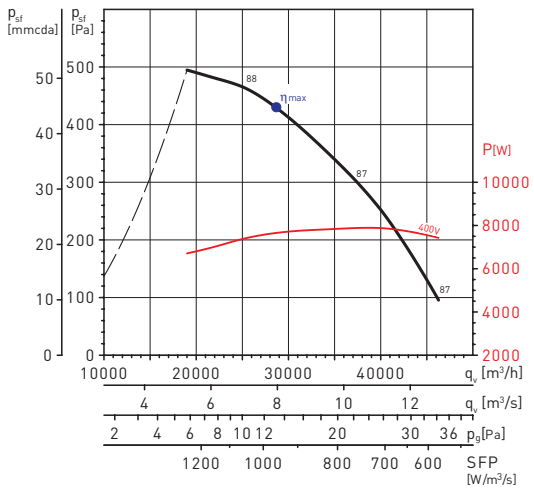
**MC** Categoría de medición
**EC** Categoría de eficiencia
**VSD** Mando de regulación de velocidad: debe suministrarse con el ventilador
**SR** Relación específica
**η[%]** Eficiencia
**N** Grado de eficiencia
**[kW]** Potencia absorbida
**[m³/h]** Caudal
**[Pa]** Presión estática
**[RPM]** Velocidad

## CURVAS CARACTERÍSTICAS

**MOTORES DE 4 POLOS**

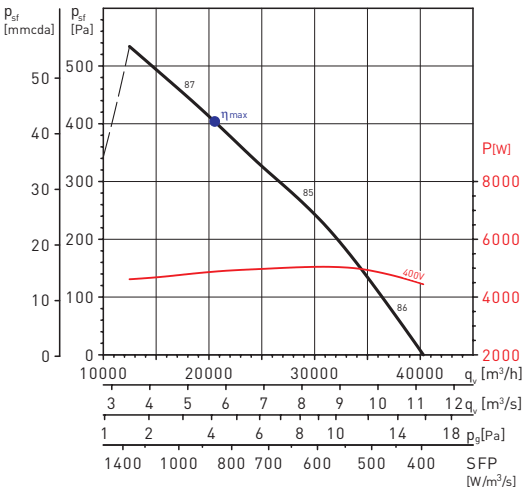
- $q_v$: Caudal en $m^3/h$ y $m^3/s$
- $p_{sf}$: Presión estática en mmcda y Pa
- $p_g$: Pérdida de carga de la defensa en Pa
- SFP: Factor específico de potencia en $W/m^3/s$
- P: Potencia absorbida en W
- Categoría de medición: A
- Categoría de eficiencia: estática
- Eficiencia del ventilador sin mando de regulación de velocidad
- Pruebas efectuadas con el ventilador sin defensa.
- Caudal de acuerdo a la Norma ISO 5801
- Nivel de presión sonora en dB(A), medido en campo libre a una distancia equivalente a 3 veces el diámetro, con un mínimo de 1,5 m

### HCBT/4-900/H



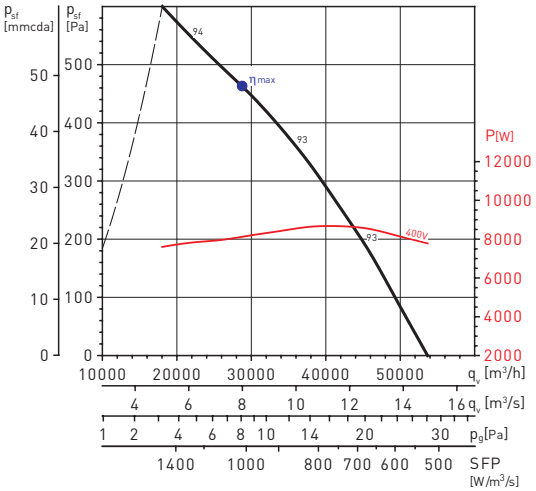

| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 44,7 | 45,5 | 7,657 | 28654 | 430 | 1446 |

### HCBT/4-1000/L




| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 47,2 | 49,2 | 4,883 | 20544 | 404 | 1402 |

### HCBT/4-1000/H




| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 45,5 | 46,1 | 8,132 | 28765 | 463 | 1467 |

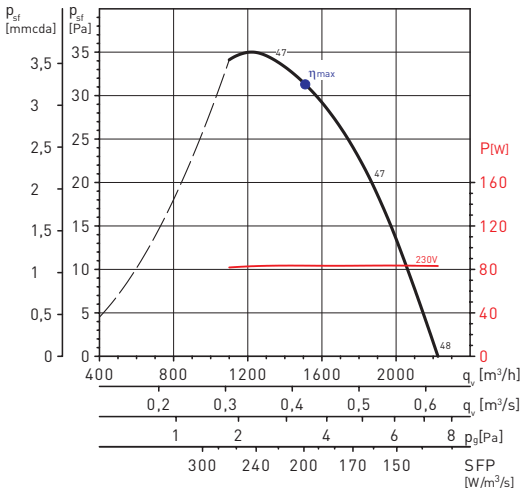
| | |
|---|---|
| **MC** | Categoría de medición |
| **EC** | Categoría de eficiencia |
| **VSD** | Mando de regulación de velocidad: debe suministrarse con el ventilador |
| **SR** | Relación específica |
| **η[%]** | Eficiencia |
| **N** | Grado de eficiencia |
| **[kW]** | Potencia absorbida |
| **[m³/h]** | Caudal |
| **[Pa]** | Presión estática |
| **[RPM]** | Velocidad |

## CURVAS CARACTERÍSTICAS

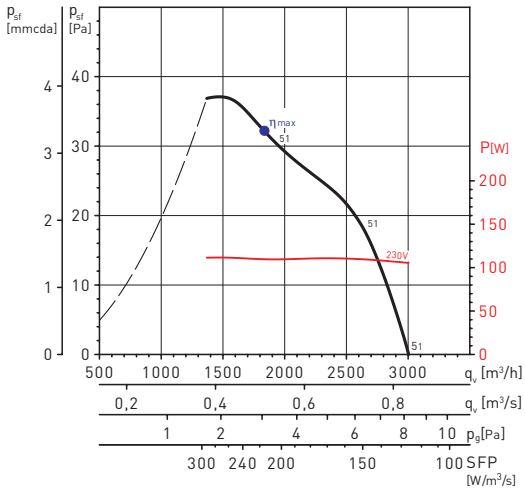
**MOTORES DE 6 POLOS**

- $q_v$: Caudal en $m^3/h$ y $m^3/s$
- $p_{sf}$: Presión estática en mmcda y Pa
- $p_g$: Pérdida de carga de la defensa en Pa
- SFP: Factor específico de potencia en $W/m^3/s$
- P: Potencia absorbida en W
- Categoría de medición: A
- Categoría de eficiencia: estática
- Eficiencia del ventilador sin mando de regulación de velocidad
- Pruebas efectuadas con el ventilador sin defensa.
- Caudal de acuerdo a la Norma ISO 5801
- Nivel de presión sonora en dB(A), medido en campo libre a una distancia equivalente a 3 veces el diámetro, con un mínimo de 1,5 m

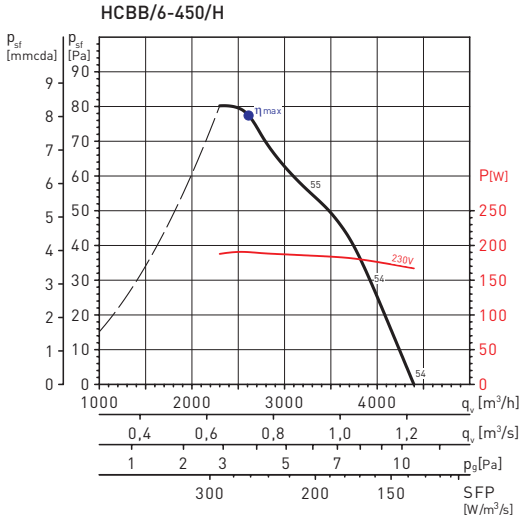
HCBB/6-355/H



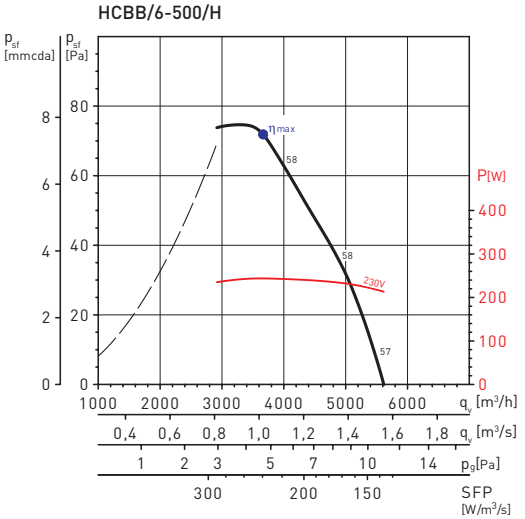

HCBB/6-400/H




HCBB/6-450/H




HCBB/6-500/H




| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 29,3 | 40,2 | 0,19 | 2604 | 77 | 908 |

| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 29,9 | 40,1 | 0,244 | 3660 | 72 | 886 |

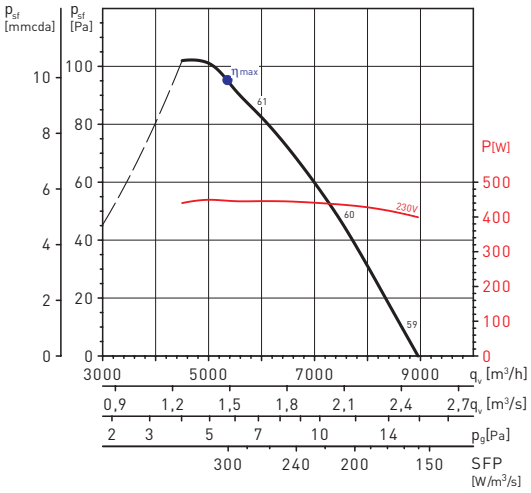
**MC** Categoría de medición
**EC** Categoría de eficiencia
**VSD** Mando de regulación de velocidad: debe suministrarse con el ventilador
**SR** Relación específica
**η[%]** Eficiencia
**N** Grado de eficiencia
**[kW]** Potencia absorbida
**[m³/h]** Caudal
**[Pa]** Presión estática
**[RPM]** Velocidad

## CURVAS CARACTERÍSTICAS

**MOTORES DE 6 POLOS**

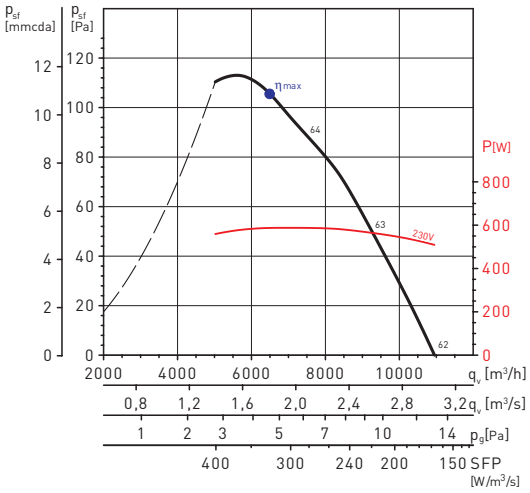
- $q_v$: Caudal en $m^3/h$ y $m^3/s$
- $p_{sf}$: Presión estática en mmcda y Pa
- $p_g$: Pérdida de carga de la defensa en Pa
- SFP: Factor específico de potencia en $W/m^3/s$
- P: Potencia absorbida en W
- Categoría de medición: A
- Categoría de eficiencia: estática
- Eficiencia del ventilador sin mando de regulación de velocidad
- Pruebas efectuadas con el ventilador sin defensa.
- Caudal de acuerdo a la Norma ISO 5801
- Nivel de presión sonora en dB(A), medido en campo libre a una distancia equivalente a 3 veces el diámetro, con un mínimo de 1,5 m

### HCBB/6-560/H



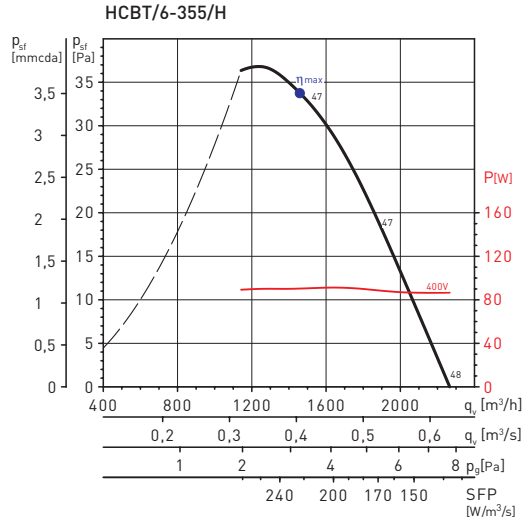

| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 31,6 | 40,1 | 0,447 | 5347 | 95 | 903 |

### HCBB/6-630/H

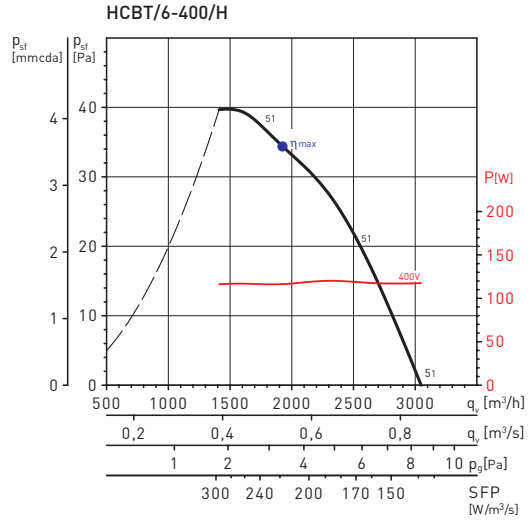



| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 32,4 | 40,2 | 0,587 | 6492 | 106 | 888 |

### HCBT/6-355/H




### HCBT/6-400/H



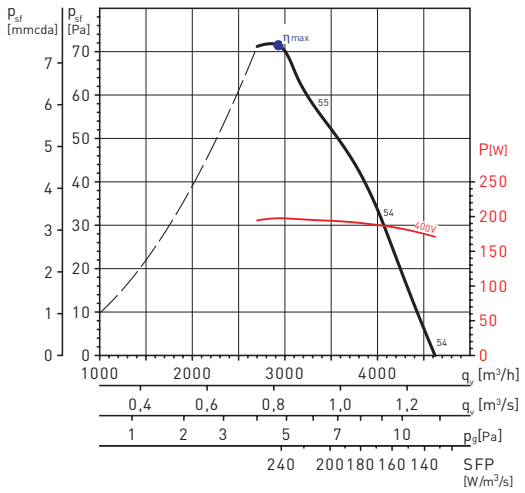

| | |
|---|---|
| **MC** | Categoría de medición |
| **EC** | Categoría de eficiencia |
| **VSD** | Mando de regulación de velocidad: debe suministrarse con el ventilador |
| **SR** | Relación específica |
| **η[%]** | Eficiencia |
| **N** | Grado de eficiencia |
| **[kW]** | Potencia absorbida |
| **[m³/h]** | Caudal |
| **[Pa]** | Presión estática |
| **[RPM]** | Velocidad |

## CURVAS CARACTERÍSTICAS

**MOTORES DE 6 POLOS**

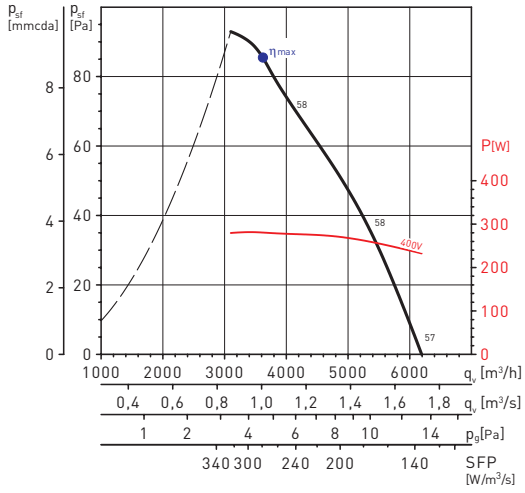
- $q_v$: Caudal en $m^3/h$ y $m^3/s$
- $p_{sf}$: Presión estática en mmcda y Pa
- $p_g$: Pérdida de carga de la defensa en Pa
- SFP: Factor específico de potencia en $W/m^3/s$
- P: Potencia absorbida en W
- Categoría de medición: A
- Categoría de eficiencia: estática
- Eficiencia del ventilador sin mando de regulación de velocidad
- Pruebas efectuadas con el ventilador sin defensa.
- Caudal de acuerdo a la Norma ISO 5801
- Nivel de presión sonora en dB(A), medido en campo libre a una distancia equivalente a 3 veces el diámetro, con un mínimo de 1,5 m

### HCBT/6-450/H



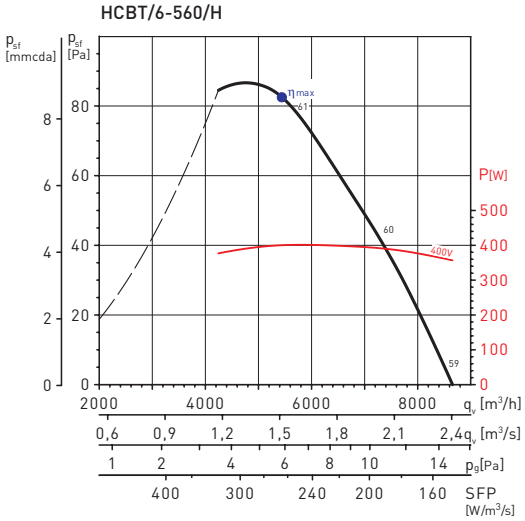

| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 29,3 | 40,1 | 0,198 | 2925 | 71 | 904 |

### HCBT/6-500/H



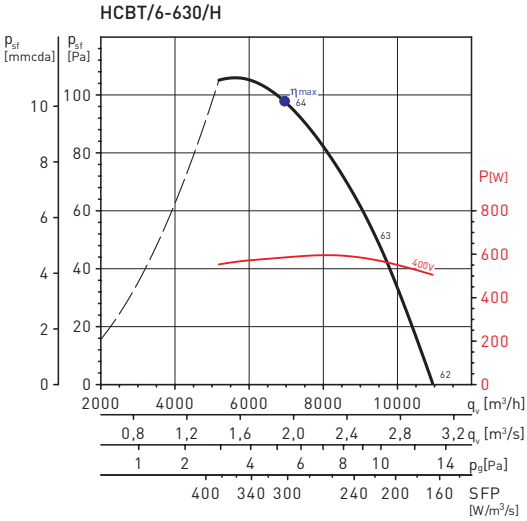

| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 30,3 | 40,1 | 0,281 | 3613 | 85 | 874 |

### HCBT/6-560/H




| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 31,2 | 40 | 0,4 | 5444 | 83 | 876 |

### HCBT/6-630/H




| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 32,3 | 40,1 | 0,585 | 6954 | 98 | 889 |

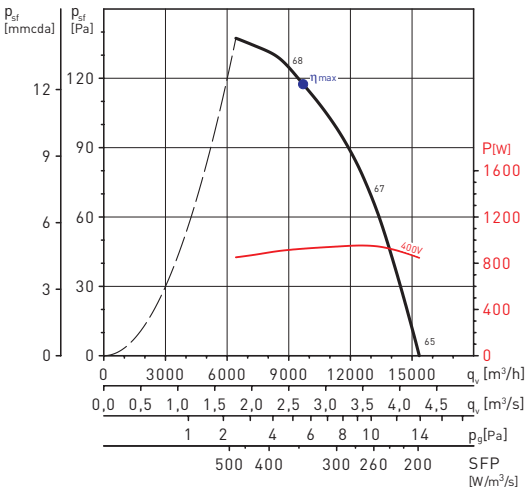
**MC** Categoría de medición
**EC** Categoría de eficiencia
**VSD** Mando de regulación de velocidad: debe suministrarse con el ventilador
**SR** Relación específica
**η[%]** Eficiencia
**N** Grado de eficiencia
**[kW]** Potencia absorbida
**[m³/h]** Caudal
**[Pa]** Presión estática
**[RPM]** Velocidad

## CURVAS CARACTERÍSTICAS

**MOTORES DE 6 POLOS**

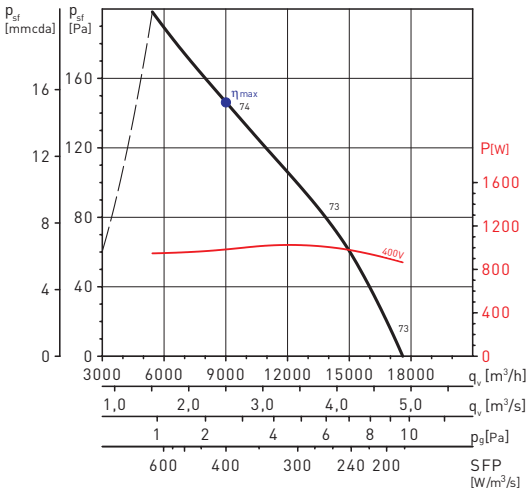
- $q_v$: Caudal en $m^3/h$ y $m^3/s$
- $p_{sf}$: Presión estática en mmcda y Pa
- $p_g$: Pérdida de carga de la defensa en Pa
- SFP: Factor específico de potencia en $W/m^3/s$
- P: Potencia absorbida en W
- Categoría de medición: A
- Categoría de eficiencia: estática
- Eficiencia del ventilador sin mando de regulación de velocidad
- Pruebas efectuadas con el ventilador sin defensa.
- Caudal de acuerdo a la Norma ISO 5801
- Nivel de presión sonora en dB(A), medido en campo libre a una distancia equivalente a 3 veces el diámetro, con un mínimo de 1,5 m

### HCBT/6-710/H



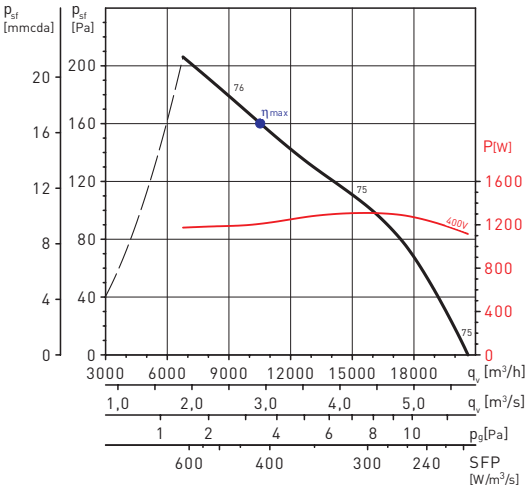

| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 34,2 | 40,7 | 0,926 | 9683 | 118 | 946 |

### HCBT/6-800/L



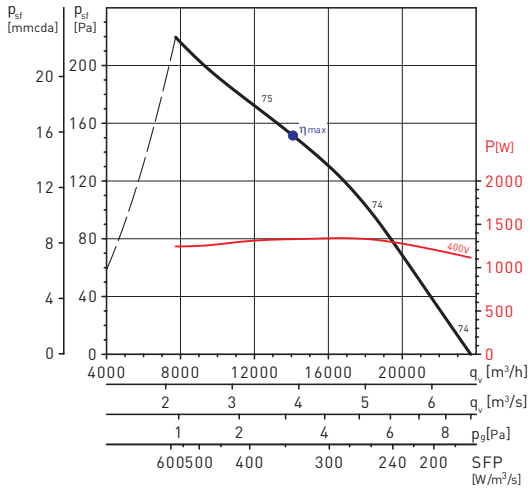

| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 37,2 | 43,6 | 0,984 | 9004 | 146 | 927 |

### HCBT/6-800/H




| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 38,8 | 44,6 | 1,208 | 10519 | 160 | 923 |

### HCBT/6-900/L




| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 44,6 | 50,2 | 1,329 | 14066 | 152 | 953 |

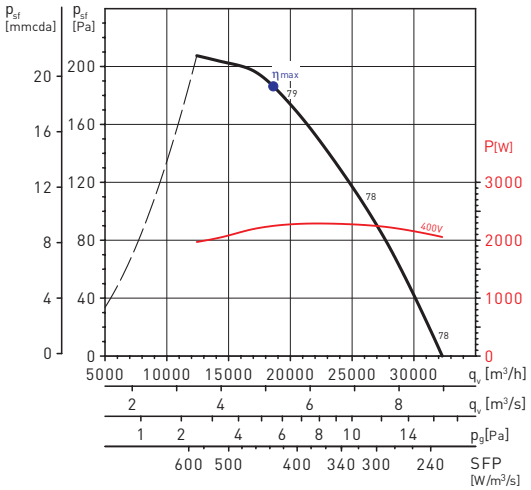
| | |
|---|---|
| **MC** | Categoría de medición |
| **EC** | Categoría de eficiencia |
| **VSD** | Mando de regulación de velocidad: debe suministrarse con el ventilador |
| **SR** | Relación específica |
| **η[%]** | Eficiencia |
| **N** | Grado de eficiencia |
| **[kW]** | Potencia absorbida |
| **[m³/h]** | Caudal |
| **[Pa]** | Presión estática |
| **[RPM]** | Velocidad |

## CURVAS CARACTERÍSTICAS

**MOTORES DE 6 POLOS**

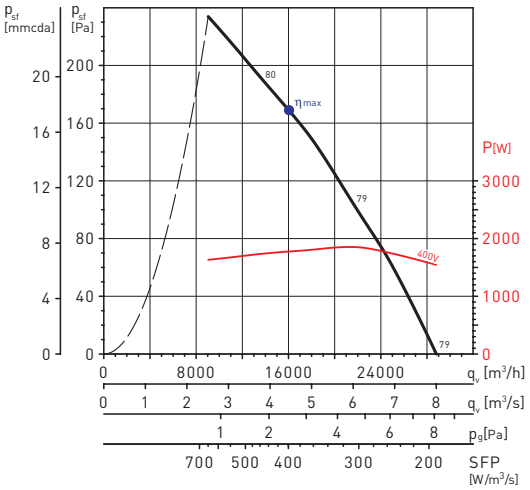
- $q_v$: Caudal en $m^3/h$ y $m^3/s$
- $p_{sf}$: Presión estática en mmcda y Pa
- $p_g$: Pérdida de carga de la defensa en Pa
- SFP: Factor específico de potencia en $W/m^3/s$
- P: Potencia absorbida en W
- Categoría de medición: A
- Categoría de eficiencia: estática
- Eficiencia del ventilador sin mando de regulación de velocidad
- Pruebas efectuadas con el ventilador sin defensa.
- Caudal de acuerdo a la Norma ISO 5801
- Nivel de presión sonora en dB(A), medido en campo libre a una distancia equivalente a 3 veces el diámetro, con un mínimo de 1,5 m

HCBT/6-900/H



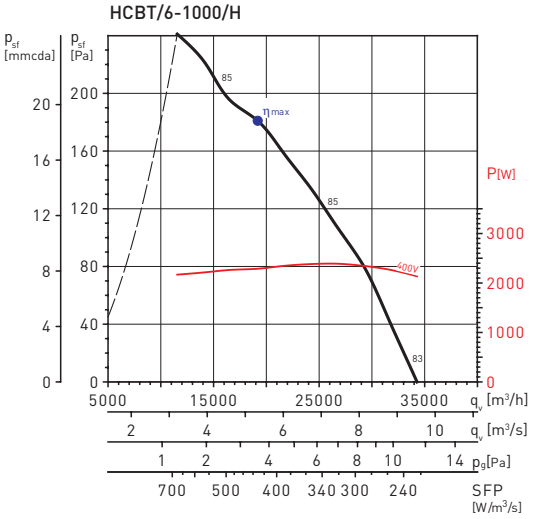

| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 42,8 | 46,9 | 2,247 | 18590 | 187 | 943 |

HCBT/6-1000/L




| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 42,4 | 47,2 | 1,775 | 16021 | 169 | 927 |

HCBT/6-1000/H



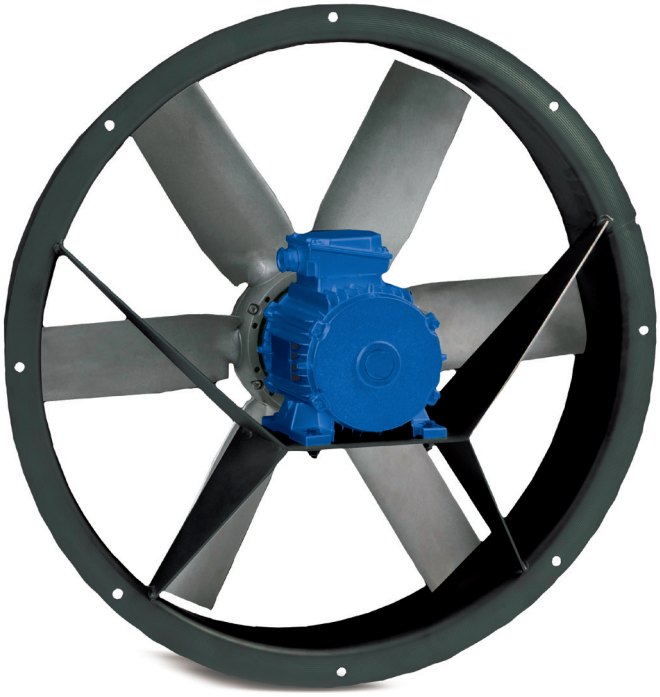

| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|---|---|---|---|---|---|---|---|---|---|
| A | Static | No | 1 | 42,1 | 46,2 | 2,288 | 19168 | 181 | 930 |

| | |
|---|---|
| **MC** | Categoría de medición |
| **EC** | Categoría de eficiencia |
| **VSD** | Mando de regulación de velocidad: debe suministrarse con el ventilador |
| **SR** | Relación específica |
| **η[%]** | Eficiencia |
| **N** | Grado de eficiencia |
| **[kW]** | Potencia absorbida |
| **[m³/h]** | Caudal |
| **[Pa]** | Presión estática |
| **[RPM]** | Velocidad |

# TCT

VENTILADORES AXIALES
MURALES CON MARCO CIRCULAR

*ACOPLAMIENTO DIRECTO*



Ventiladores axiales murales, con embocadura circular, soporte motor de acero con tratamiento anticorrosivo y pintura epoxy, hélice de inyección de aluminio de 6 palas, motor trifásico en acoplamiento directo, IP55, Clase F.

**Motores**

De 4 o 6 polos, según versiones. De alta eficiencia IE3*, tensión de alimentación trifásica 230/400V-50Hz, hasta 3kW y 400/690V 50Hz, para potencias superiores.

**Bajo demanda**

- Hélice reversible.
- Fabricación en diferentes materiales constructivos.
- Camisa INOX-304 o 316.
- Versiones de 60 Hz.
- Hélice-Motor (flujo B)
- Motor de 2 velocidades.
- Motores monofásicos (4 y 6 polos hasta 2,2 KW).
- Motores IE3 de alta eficiencia.
- Motor PTC.

**Otros datos**

Sentido del aire motor-hélice (flujo A).

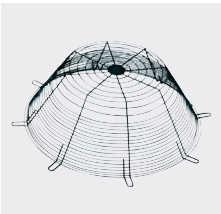
**Versiones ATEX**

Ventiladores diseñados según la Directiva ATEX. Para trabajar a temperaturas de -20ºC a +40ºC.

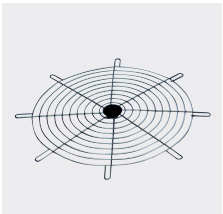
- Motores IP55, Clase F.
- ATEX Antideflagrantes - Gas:
  Para modelos del 800 al 1000:
  Ⓔx II 2G Ex d IIB T4
  Ⓔx II 2G Ex d IIB+H2 T4 (bajo pedido)
  En versión ATEX estándar, los motores antideflagrantes se entregan sin protección térmica.
  Para utilizar con convertidor de frecuencia pedir motores antidefla-grantes con protector térmico tipo PTC.
- ATEX Polvo (bajo pedido)
  Particulas en suspension inflamables y polvo no conductor:
  Ⓔx II 3D Ex tc IIIB T125ºC
  Polvo conductor:
  Ⓔx II 3D Ex tc IIIC T125ºC (con motor IP65)
  En versión ATEX estándar, los motores ATEX para polvo se entregan sin protección térmica.
  Para utilizar con convertidor de frecuencia pedir motores ATEX para polvo con protector térmico tipo PTC.

Para seleccionar modelos TCT ATEX, ver las curvas características, o bien el programa de selección de producto EASYVENT.
Los datos eléctricos de los modelos ATEX pueden variar respecto a los datos indicados en las tablas características.
Consulte la disponibilidad de otras versiones de motores ATEX.

## ACCESORIOS



**Defensa de aspiración**
Lado hélice.



**Defensa de descarga**
Lado motor.



**PER-CR**
Persianas de sobrepresión

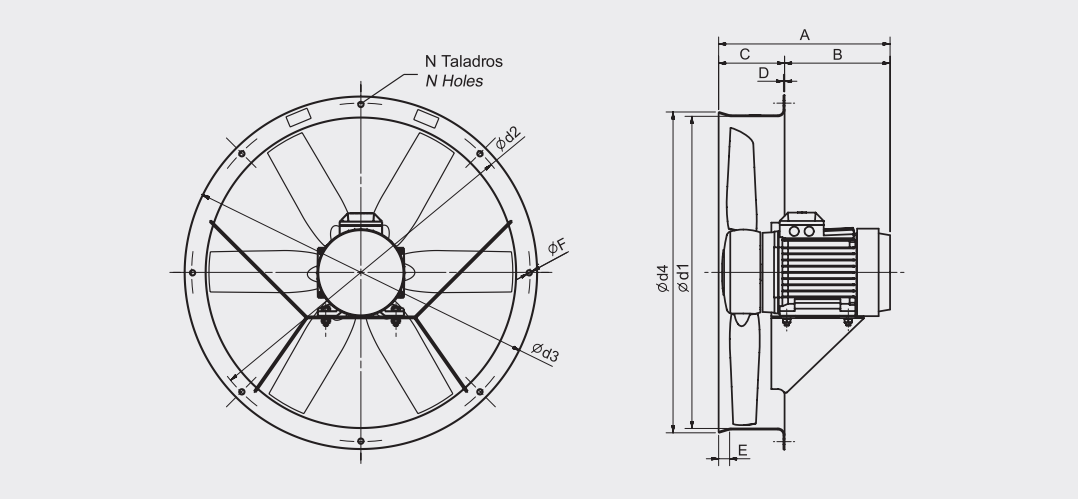
## CARACTERÍSTICAS TÉCNICAS

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación

| Modelo | Velocidad (r.p.m.) | Potencia motor (kW) | Intensidad nominal motor (A) | Caudal máximo ($m^3/h$) | Peso (kg) | Regulador |
|---|---|---|---|---|---|---|
| 4 POLOS | | | | | | |
| TCT/4-450-6/30-A-0,37 | 1412 | 0,37 | 1,1 | 6.150 | 19 | VFTM TRI 0,37 |
| TCT/4-500-6/26-A-0,55 | 1432 | 0,55 | 1,3 | 8.110 | 25 | VFTM TRI 0,55 |
| TCT/4-560-6/20-A-0,75 | 1435 | 0,75 | 1,6 | 9.940 | 28 | VFTM TRI 0,75 |
| TCT/4-560-6/28-A-1,1 | 1438 | 1,1 | 2,4 | 12.870 | 30 | VFTM TRI 1,1 |
| TCT/4-560-6/36-A-1,5 | 1423 | 1,5 | 3,3 | 15.500 | 31 | VFTM TRI 1,5 |
| TCT/4-630-6/18-A-1,1 | 1446 | 1,1 | 2,4 | 13.600 | 34 | VFTM TRI 1,1 |
| TCT/4-630-6/24-A-1,5 | 1433 | 1,5 | 3,3 | 16.330 | 35 | VFTM TRI 1,5 |
| TCT/4-630-6/30-A-2,2 | 1448 | 2,2 | 4,6 | 20.090 | 39 | VFTM TRI 2,2 |
| TCT/4-630-6/36-A-3 | 1458 | 3 | 6,2 | 23.640 | 42 | VFTM TRI 3 |
| TCT/4-710-6/16-A-1,5 | 1426 | 1,5 | 3,3 | 18.570 | 37 | VFTM TRI 1,5 |
| TCT/4-710-6/20-A-2,2 | 1444 | 2,2 | 4,6 | 22.270 | 41 | VFTM TRI 2,2 |
| TCT/4-710-6/28-A-3 | 1445 | 3 | 6,2 | 27.380 | 44 | VFTM TRI 3 |
| TCT/4-800-6/12-A-2,2 | 1448 | 2,2 | 4,6 | 23.430 | 47 | VFTM TRI 2,2 |
| TCT/4-800-6/18-A-3 | 1446 | 3 | 6,2 | 29.950 | 50 | VFTM TRI 3 |
| TCT/4-800-6/22-A-4 | 1449 | 4 | 8,1 | 33.230 | 56 | VFTM TRI 4 |
| TCT/4-900-6/12-A-4 | 1457 | 4 | 8,1 | 29.540 | 65 | VFTM TRI 4 |
| TCT/4-900-6/18-A-5,5 | 1462 | 5,5 | 10,5 | 38.140 | 77 | VFTM TRI 5,5 |
| TCT/4-900-6/24-A-7,5 | 1463 | 7,5 | 14,1 | 46.530 | 91 | VFTM TRI 7,5 |
| TCT/4-1000-6/12-A-5,5 | 1471 | 5,5 | 10,5 | 41.830 | 115 | VFTM TRI 5,5 |
| TCT/4-1000-6/16-A-7,5 | 1462 | 7,5 | 14,1 | 50.090 | 129 | VFTM TRI 7,5 |
| TCT/4-1000-6/24-A-11 | 1463 | 11 | 21,2 | 63.320 | 149 | VFTM TRI 11 |
| TCT/4-1000-6/26-A-15 | 1471 | 15 | 28,7 | 71.240 | 179 | VFTM TRI 15 |
| 6 POLOS | | | | | | |
| TCT/6-560-6/34-A-0,55 | 961 | 0,55 | 1,5 | 10.000 | 28 | VFTM TRI 0,55 |
| TCT/6-630-6/26-A-0,55 | 948 | 0,55 | 1,5 | 11.620 | 26 | VFTM TRI 0,55 |
| TCT/6-630-6/32-A-0,75 | 953 | 0,75 | 2,0 | 13.340 | 29 | VFTM TRI 0,75 |
| TCT/6-710-6/24-A-0,75 | 942 | 0,75 | 2,0 | 16.080 | 34 | VFTM TRI 0,75 |
| TCT/6-710-6/32-A-1,1 | 948 | 1,1 | 2,8 | 19.490 | 38 | VFTM TRI 1,1 |
| TCT/6-800-6/20-A-1,1 | 955 | 1,1 | 2,8 | 20.370 | 40 | VFTM TRI 1,1 |
| TCT/6-800-6/26-A-1,5 | 962 | 1,5 | 3,7 | 24.890 | 43 | VFTM TRI 1,5 |
| TCT/6-800-6/32-A-2,2 | 965 | 2,2 | 5,3 | 27.480 | 50 | VFTM TRI 2,2 |
| TCT/6-900-6/22-A-2,2 | 961 | 2,2 | 5,3 | 28.860 | 60 | VFTM TRI 2,2 |
| TCT/6-900-6/28-A-3 | 971 | 3 | 7,3 | 35.490 | 73 | VFTM TRI 3 |
| TCT/6-1000-6/14-A-2,2 | 964 | 2,2 | 5,3 | 30.260 | 85 | VFTM TRI 2,2 |
| TCT/6-1000-6/20-A-3 | 975 | 3 | 7,3 | 38.790 | 108 | VFTM TRI 3 |
| TCT/6-1000-6/24-A-4 | 978 | 4 | 9,5 | 43.090 | 115 | VFTM TRI 4 |
| TCT/6-1000-6/30-A-5,5 | 974 | 5,5 | 12,8 | 50.170 | 119 | VFTM TRI 5,5 |

* Nivel de potencia sonora en el punto medio de la curva.

## DIMENSIONES (mm)

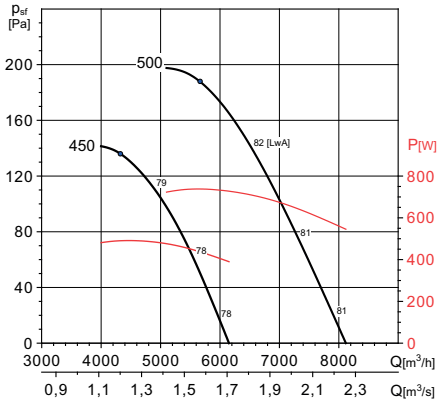



| Modelo | A | B | C | D | E | F | D1 | D2 | D3 | D4 | N |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4 POLOS | | | | | | | | | | | |
| TCT/4-450-6/30 0,37 | 298 | 168 | 130 | 2,5 | 25 | 12 | 450 | 500 | 545 | 465 | 8 |
| TCT/4-500-6/26 0,55 | - | - | 150 | 2,5 | 25 | 12 | 560 | 620 | 655 | 575 | 8 |
| TCT/4-560-6/20 0,75 | 320 | 170 | 150 | 2,5 | 25 | 12 | 560 | 620 | 655 | 575 | 8 |
| TCT/4-560-6/28 1,1 | 362 | 212 | 150 | 2,5 | 25 | 12 | 560 | 620 | 655 | 575 | 8 |
| TCT/4-560-6/36 1,5 | 362 | 212 | 150 | 2,5 | 25 | 12 | 560 | 620 | 655 | 575 | 8 |
| TCT/4-630-6/18 1,1 | 362 | 212 | 150 | 2,5 | 25 | 12 | 630 | 690 | 725 | 650 | 8 |
| TCT/4-630-6/24 1,5 | 362 | 212 | 150 | 2,5 | 25 | 12 | 630 | 690 | 725 | 650 | 8 |
| TCT/4-630-6/30 2,2 | 390 | 240 | 150 | 2,5 | 25 | 12 | 630 | 690 | 725 | 650 | 8 |
| TCT/4-630-6/36 3 | 390 | 240 | 150 | 2,5 | 25 | 12 | 630 | 690 | 725 | 650 | 8 |
| TCT/4-710-6/16 1,5 | 362 | 212 | 150 | 2,5 | 25 | 12 | 710 | 770 | 806 | 730 | 8 |
| TCT/4-710-6/20 2,2 | 390 | 240 | 150 | 2,5 | 25 | 12 | 710 | 770 | 806 | 730 | 8 |
| TCT/4-710-6/28 3 | 390 | 240 | 150 | 2,5 | 25 | 12 | 710 | 770 | 806 | 730 | 8 |
| TCT/4-800-6/12 2,2 | 390 | 240 | 150 | 2,5 | 25 | 12 | 800 | 860 | 896 | 820 | 8 |
| TCT/4-800-6/18 3 | 390 | 240 | 150 | 2,5 | 25 | 12 | 800 | 860 | 896 | 820 | 8 |
| TCT/4-800-6/22 4 | 393 | 243 | 150 | 2,5 | 25 | 12 | 800 | 860 | 896 | 820 | 8 |
| TCT/4-900-6/12 4 | 420 | 270 | 150 | 3 | 25 | 15 | 900 | 970 | 1006 | 921 | 12 |
| TCT/4-900-6/18 5,5 | 463 | 313 | 150 | 3 | 25 | 15 | 900 | 970 | 1006 | 921 | 12 |
| TCT/4-900-6/24 7,5 | 463 | 313 | 150 | 3 | 25 | 15 | 900 | 970 | 1006 | 921 | 12 |
| TCT/4-1000-6/12 5,5 | 463 | 313 | 200 | 2,5 | 25 | 15 | 1000 | 1070 | 1105 | 1020 | 16 |
| TCT/4-1000-6/16 7,5 | 463 | 313 | 200 | 2,5 | 25 | 15 | 1000 | 1070 | 1105 | 1020 | 16 |
| TCT/4-1000-6/24 11 | 550 | 350 | 200 | 2,5 | 25 | 15 | 1000 | 1070 | 1105 | 1020 | 16 |
| TCT/4-1000-6/26 15 | 550 | 350 | 200 | 2,5 | 25 | 15 | 1000 | 1070 | 1105 | 1020 | 16 |
| 6 POLOS | | | | | | | | | | | |
| TCT/6-560-6/34 0,55 | 334 | 184 | 150 | 2,5 | 25 | 12 | 560 | 620 | 655 | 575 | 8 |
| TCT/6-630-6/26 0,55 | 334 | 184 | 150 | 2,5 | 25 | 12 | 630 | 690 | 725 | 650 | 8 |
| TCT/6-630-6/32 0,75 | 362 | 212 | 150 | 2,5 | 25 | 12 | 630 | 690 | 725 | 650 | 8 |
| TCT/6-710-6/24 0,75 | 390 | 240 | 150 | 2,5 | 25 | 12 | 710 | 770 | 806 | 730 | 8 |
| TCT/6-710 6/32 1,1 | 365 | 215 | 150 | 2,5 | 25 | 12 | 710 | 770 | 806 | 730 | 8 |
| TCT/6-800-6/20 1,1 | 343 | 218 | 150 | 2,5 | 25 | 12 | 800 | 860 | 896 | 820 | 8 |
| TCT/6-800-6/26 1,5 | 390 | 240 | 150 | 2,5 | 25 | 12 | 800 | 860 | 896 | 820 | 8 |
| TCT/6-800-6/32 2,2 | 393 | 243 | 150 | 2,5 | 25 | 12 | 800 | 860 | 896 | 820 | 8 |
| TCT/6-900-6/22 2,2 | 420 | 270 | 150 | 3 | 25 | 15 | 900 | 970 | 1006 | 921 | 12 |
| TCT/6-900-6/28 3 | 463 | 313 | 150 | 3 | 25 | 15 | 900 | 970 | 1006 | 921 | 12 |
| TCT/6-1000-6/16 2,2 | 404 | 254 | 200 | 2,5 | 25 | 15 | 1000 | 1070 | 1105 | 1020 | 16 |
| TCT/6-1000-6/24 3 | 463 | 313 | 200 | 2,5 | 25 | 15 | 1000 | 1070 | 1105 | 1020 | 16 |
| TCT/6-1000-6/28 4 | 463 | 313 | 200 | 2,5 | 25 | 15 | 1000 | 1070 | 1105 | 1020 | 16 |
| TCT/6-1000-6/30 5,5 | 515 | 313 | 200 | 2,5 | 25 | 15 | 1000 | 1070 | 1105 | 1020 | 16 |

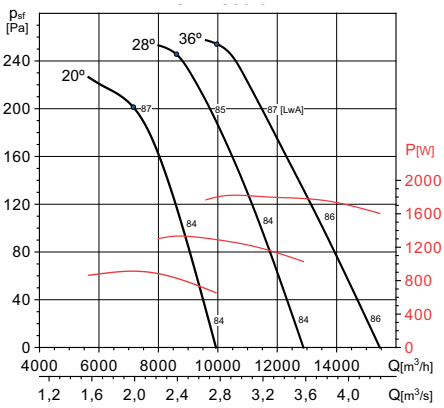
## CURVAS CARACTERÍSTICAS

- $q_v$: Caudal en $m^3/h$ y $m^3/s$
- $p_{sf}$: Presión estática en mmcda y Pa
- Aire seco normal a 20°C y 760 mmHg
- Ensayos realizados de acuerdo a Norma ISO 5801 y AMCA 210-99

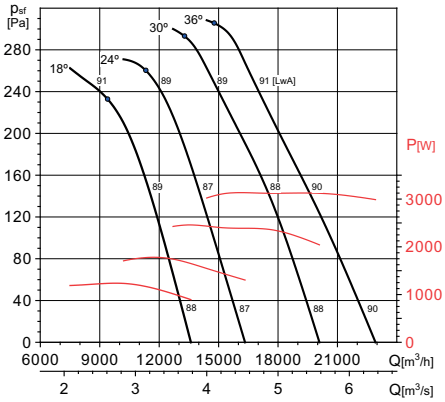
TCT/4-450-6/30
TCT/4-500-6/26



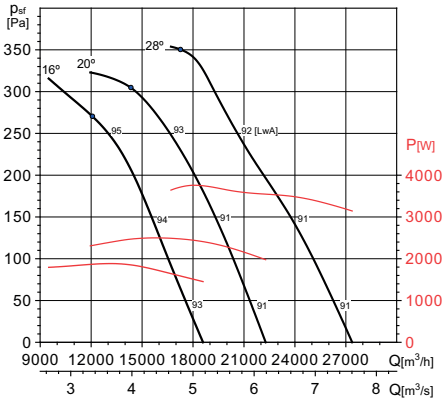

TCT/4-560-6/



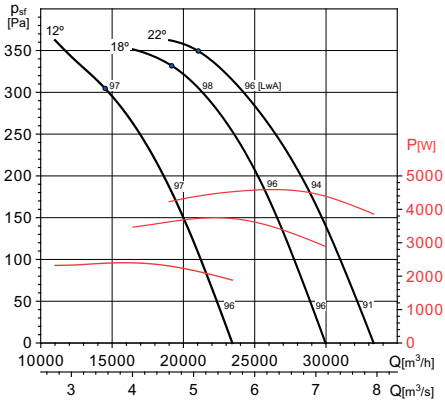

TCT/4-630-6/



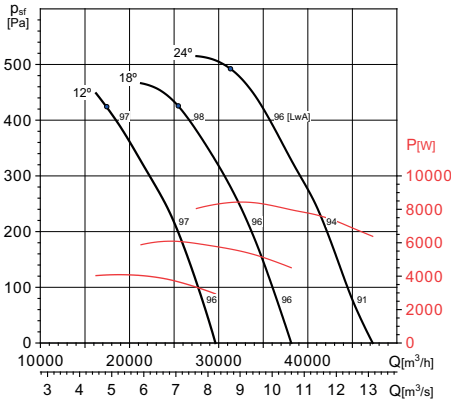

TCT/4-710-6/



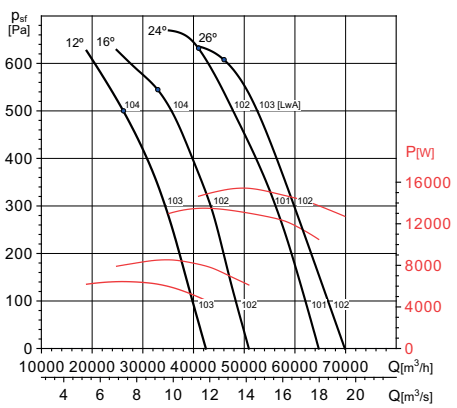

TCT/4-800-6/



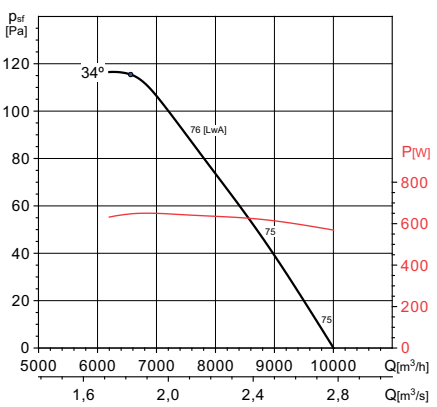

TCT/4-900-6/




TCT/4-1000-6/



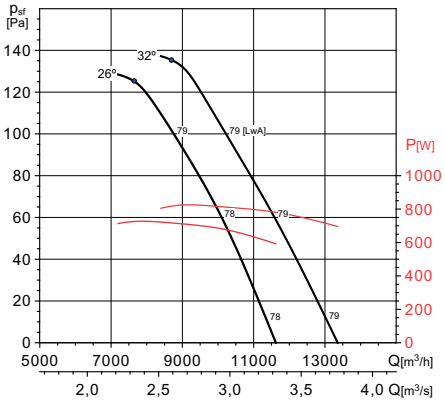

TCT/6-560-6/



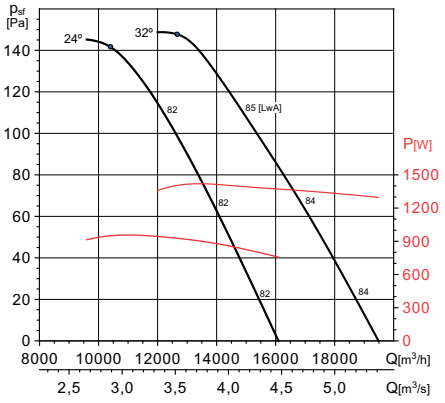
## CURVAS CARACTERÍSTICAS

- $q_v$: Caudal en $m^3/h$ y $m^3/s$
- $p_{sf}$: Presión estática en mmcda y Pa
- Aire seco normal a 20°C y 760 mmHg
- Ensayos realizados de acuerdo a Norma ISO 5801 y AMCA 210-99

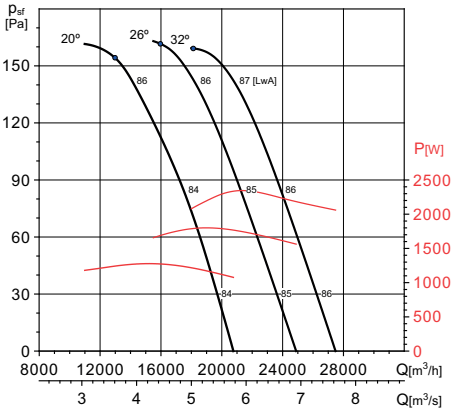
TCT/6-630-6/



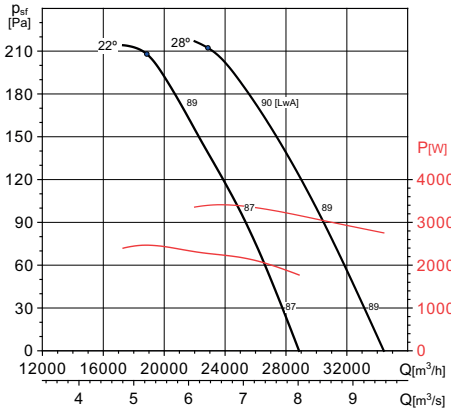

TCT/6-710-6/



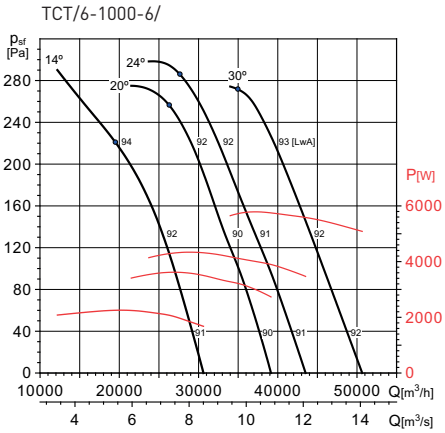

TCT/6-800-6/




TCT/6-900-6/



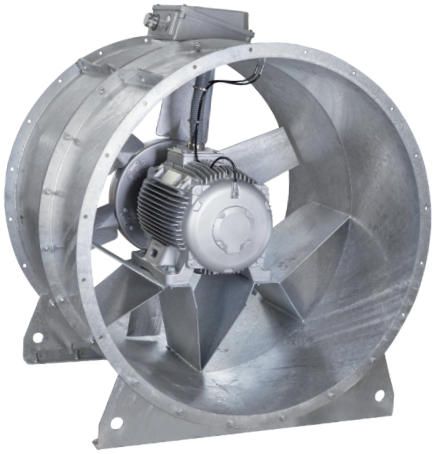

TCT/6-1000-6/



# TGT

## VENTILADORES AXIALES

*ACOPLAMIENTO DIRECTO*



Configuración de camisa larga Ø1400 y 1600 (Versión LK)



Configuración de camisa corta (versión C)



Configuración de camisa larga (Versión L)

Ventiladores helicoidales tubulares con camisa con protección anticorrosiva mediante galvanizado en caliente, álabes de aluminio tipo "aerofoil", con casquillo de arrastre de acero, y motor trifásico IP55, Clase F.

Pueden instalarse en flujo horizontal o vertical.
Camisa corta o larga, según necesidades de aplicación.
Los modelos de camisa larga pueden incorporar caja de bornes exterior, fuera del flujo de aire, y visor de inspección del sentido de aire de la hélice o puerta de inspección para acceso al motor.
Temperatura ambiental de trabajo: -20ºC a +50ºC.

Consultar EasyVent para seleccionar el equipo idóneo para la instalación, y obtener la ficha técnica correspondiente.

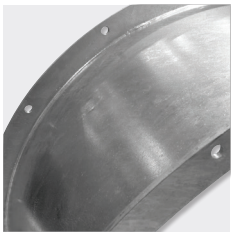
**Motores**

De 2, 4 o 6 polos, según versiones.
Tensión de alimentación
Trifásicos:
230/400V-50Hz, hasta 3 kW.
400V-50Hz, para potencias superiores
(Ver cuadro de características).

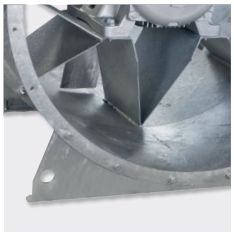
**Bajo demanda**

De 2 velocidades (2/4, 4/8 o 6/12 polos).

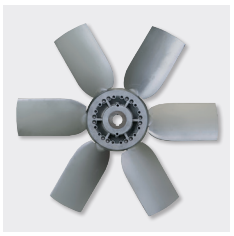
Soler&Palau Sistemas de Ventilación SLU certifica que este modelo tiene licencia para llevar el sello AMCA Seal for Air Performance. Versión de revisión EasyVent v11, Mayo 2020. Puede consultarse en www.amca.org/certify



**Resistencia a la corrosión**
Camisa, con perfil de ala plana, protegida contra la corrosión mediante tratamiento de galvanizado en caliente.



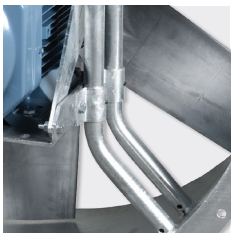
**Soporte**
Soldado a la carcasa del ventilador. Conjunto con protección mediante tratamiento de galvanizado en caliente (modelos 1400 y 1600).



**Hélice equilibrada dinámicamente**
Según norma ISO 1940, para reducir el ruido y evitar vibraciones.



**Soporte motor**
Fabricado en chapa de acero soldada, protegida mediante tratamiento de galvanizado en caliente o de Magnelis® (modelos 400 a 800).



**Soporte de motor aerodinámico**
Diseño aerodinámico del soporte del motor para optimizar el rendimiento del flujo de aire (modelos de 900 a 1250).



**Caja de bornes exterior**
Situada fuera del flujo de aire (modelos de camisa larga).







**Álabes anchos: mayor presión**
Dan robustez y proporcionan mayor presión.
Configuración 1: modelos 400 a 800-6.
Configuración 2: modelos 800-9 a 1600.

## REFERENCIA

| **TGT** | / | **4** | - | **1000** | - | **6** | / | **26** | / | **A** | / | **CK** | - | **1,5 kW** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 |

1. Serie
2. Número de polos
3. Diámetro*
4. Número de álabes
5. Inclinación de álabe
6. Dirección del flujo de aire:
   **B** (Hélice-Motor. Estándar)
   **A** (Motor - Hélice)
   **BD** (B - Descendente)
   **AU** (A - Ascendente)
   **AB** (Reversible)
7. Configuración de la camisa:
   **C:** Camisa corta. Estándar
   **CK:** Camisa corta con caja de bornes exterior para facilidad de conexión
   **LK:** Camisa larga con caja de bornes exterior para facilidad de conexión, y mirilla de inspección para comprobar rotación de la hélice
   **LP:** Camisa larga con puerta de inspección para facilitar acceso al motor
   **LPK:** Camisa larga con caja de bornes exterior y puerta de inspección
8. Potencia del motor

* Para los diámetros 1400 y 1600, el último "0" se sustituye por un número y una letra que indican el tipo de cubo y hélice (p.e. 1409G). Esto también aplica a otros diámetros si llevan motor de tamaño IEC 250 o superior (p.e. 1257).

# TGT ATEX

## VENTILADORES AXIALES

*ACOPLAMIENTO DIRECTO*



Configuración de camisa corta

Ventiladores helicoidales tubulares especialmente diseñados para la extracción de aire en atmósferas explosivas, con camisa con protección anticorrosiva mediante galvanizado en caliente, álabes de aluminio con casquillo de arrastre de acero, y motor trifásico IP55, Clase F.

Pueden instalarse en flujo horizontal o vertical.
Camisa corta o larga (modelos LP), según necesidades de aplicación.
Los modelos de camisa larga incorporan compuerta de inspección de acceso rápido al motor y a la caja de bornes.
Los modelos TGT ATEX antideflagrantes, 400 y 450, únicamente están disponibles en camisa larga (versiones LP).
Los modelos TGT ATEX antideflagrantes, desde los modelos 500 a 1250 sólo están disponibles en versiones de camisa corta y de camisa larga en versiones LP, no disponibles en versiones K o L.

### Motores

De 2, 4 o 6 polos, según versiones.
Tensión de alimentación
Trifásicos:
230/400V-50Hz, hasta 3 kW
400V-50Hz, para potencias superiores
(Ver cuadro de características)

### Bajo demanda

Sentido del aire Motor-Hélice (flujo A).

### Otros datos

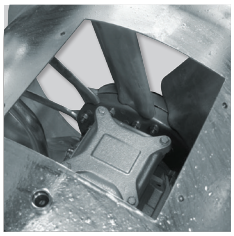
Sentido del aire Hélice-Motor (flujo B).

### Versiones ATEX

Ventiladores diseñados según la Directiva ATEX para modelos trifásicos:
Para trabajar a temperaturas de -20ºC a +40ºC.

- ATEX Antideflagrantes - Gas:
  Ex II 2G Ex d IIB T4
  Ex II 2G Ex d IIB+H2 T4 (con motor Ex d IIC T4)
  En versión ATEX estándar, los motores antideflagrantes se entregan sin protección térmica. Para utilizar con convertidor de frecuencia pedir motores antideFlagrantes con protector térmico tipo PTC.
- ATEX Seguridad aumentada - Gas:
  Ex II 2G Ex e II T3
- ATEX - Polvo
  Partículas en suspensión inflamables y polvo no conductor:
  Ex II 3D Ex tc IIIB T125ºC
  Polvo conductor:
  Ex II 3D Ex tc IIIC T125ºC (con motor IP65)
  En versión ATEX estándar, los motores ATEX para polvo se entregan sin protección térmica. Para utilizar con convertidor de frecuencia pedir motores ATEX para polvo con protector térmico tipo PTC.

Para seleccionar un modelo TGT ATEX deben usarse las curvas THGT, o bien el programa de selección de producto EASYVENT.
Los datos eléctricos de los modelos ATEX pueden variar respecto a los datos indicados en las tablas características.
Consulte la disponibilidad de otras versiones de motores ATEX.



**Configuración versión camisa larga "LP"**
Los modelos TGT ATEX de camisa larga incorporan compuerta de inspección de acceso rápido al motor y a la caja de bornes.



**Motor antiexplosivo**
Según la Directiva ATEX.

## CARACTERÍSTICAS TÉCNICAS

Nos reservamos el derecho a utilizar distintos fabricantes de motores y por lo tanto, los datos indicados pueden variar. Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación

| Modelo | Ø (mm) | Potencia motor (kW) | Intensidad nominal motor (A) | | Caudal máximo ($m^3/h$) | Peso (kg) | |
|---|---|---|---|---|---|---|---|
| | | | 230 V | 400 V | | Camisa corta | Camisa larga |
| 2 POLOS - 2950 rpm | | | | | | | |
| TGT/2-400-6/-1,1 | 400 | 1,1 | 4,1 | 2,3 | 5.350 | 39 | 45 |
| TGT/2-400-6/-1,5 | 400 | 1,5 | 5,5 | 3,1 | 6.980 | 42 | 48 |
| TGT/2-400-6/-2,2 | 400 | 2,2 | 8,0 | 4,6 | 8.930 | 46 | 52 |
| TGT/2-450-6/-1,5 | 450 | 1,5 | 5,5 | 3,1 | 6.800 | 49 | 58 |
| TGT/2-450-6/-2,2 | 450 | 2,2 | 8,0 | 4,6 | 9.380 | 54 | 62 |
| TGT/2-450-6/-3 | 450 | 3 | 10,3 | 5,9 | 12.270 | 61 | 70 |
| TGT/2-500-6/-2,2 | 500 | 2,2 | 8,0 | 4,6 | 10.160 | 54 | 63 |
| TGT/2-500-6/-3 | 500 | 3 | 10,3 | 5,9 | 11.820 | 62 | 71 |
| TGT/2-500-6/-4 | 500 | 4 | - | 7,6 | 14.680 | 70 | 79 |
| TGT/2-560-6/-3 | 560 | 3 | 10,3 | 5,9 | 13.020 | 69 | 86 |
| TGT/2-560-6/-4 | 560 | 4 | - | 7,6 | 14.310 | 77 | 94 |
| TGT/2-560-6/-5,5 | 560 | 5,5 | - | 10,6 | 18.390 | 100 | 117 |
| TGT/2-560-6/-7,5 | 560 | 7,5 | - | 14,1 | 22.770 | 104 | 121 |
| TGT/2-560-6/-9,2 | 560 | 9,2 | - | 17,3 | 26.320 | 125 | 142 |
| TGT/2-630-6/-5,5 | 630 | 5,5 | - | 10,6 | 19.010 | 107 | 122 |
| TGT/2-630-6/-7,5 | 630 | 7,5 | - | 14,1 | 24.370 | 111 | 126 |
| TGT/2-630-6/-9,2 | 630 | 9,2 | - | 17,3 | 27.210 | 132 | 147 |
| TGT/2-630-6/-11 L | 630 | 11 | - | 20,4 | 31.370 | - | 183 |
| TGT/2-630-6/-15 L | 630 | 15 | - | 27,6 | 37.440 | - | 186 |
| TGT/2-630-6/-18,5 L | 630 | 18,5 | - | 33,7 | 37.870 | - | 199 |

## CARACTERÍSTICAS TÉCNICAS

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| Modelo | Ø (mm) | Potencia motor (kW) | Intensidad nominal motor (A) | | Caudal máximo ($m^3/h$) | Peso (kg) | |
|---|---|---|---|---|---|---|---|
| | | | 230 V | 400 V | | Camisa corta | Camisa larga |
| 4 POLOS - 1450 rpm | | | | | | | |
| TGT/4-400-6/- 0,25 | 400 | 0,25 | 1,4 | 0,8 | 4.670 | 32 | 38 |
| TGT/4-450-6/-0,25 | 450 | 0,25 | 1,4 | 0,8 | 4.090 | 39 | 48 |
| TGT/4-450-6/- 0,37 | 450 | 0,37 | 1,8 | 1,1 | 6.150 | 41 | 49 |
| TGT/4-450-6/- 0,55 | 450 | 0,55 | 2,2 | 1,3 | 7.970 | 44 | 52 |
| TGT/4-500-6/-0,55 | 500 | 0,55 | 2,2 | 1,3 | 8.110 | 44 | 53 |
| TGT/4-500-6/-0,75 | 500 | 0,75 | 2,8 | 1,6 | 9.760 | 46 | 55 |
| TGT/4-500-6/-1,1 | 500 | 1,1 | 4,2 | 2,4 | 10.970 | 51 | 60 |
| TGT/4-560-6/-0,55 | 560 | 0,55 | 2,2 | 1,3 | 8.510 | 51 | 68 |
| TGT/4-560-6/-0,75 | 560 | 0,75 | 2,8 | 1,6 | 9.940 | 53 | 70 |
| TGT/4-560-6/-1,1 | 560 | 1,1 | 4,2 | 2,4 | 12.870 | 58 | 75 |
| TGT/4-560-6/-1,5 | 560 | 1,5 | 5,7 | 3,3 | 15.500 | 61 | 78 |
| TGT/4-566-6/-2,2 | 560 | 2,2 | 8,1 | 4,6 | 16.180 | 68 | 85 |
| TGT/4-630-6/-0,75 | 630 | 0,75 | 2,8 | 1,6 | 10.290 | 60 | 75 |
| TGT/4-630-6/-1,1 | 630 | 1,1 | 4,2 | 2,4 | 13.600 | 65 | 80 |
| TGT/4-630-6/-1,5 | 630 | 1,5 | 5,7 | 3,3 | 16.330 | 68 | 83 |
| TGT/4-630-6/-2,2 | 630 | 2,2 | 8,1 | 4,6 | 20.090 | 75 | 90 |
| TGT/4-630-6/-3 | 630 | 3 | 10,7 | 6,2 | 23.640 | 81 | 96 |
| TGT/4-710-3/-0,75 | 710 | 0,75 | 2,8 | 1,6 | 15.660 | 55 | 79 |
| TGT/4-710-3/-1,1 | 710 | 1,1 | 4,2 | 2,4 | 19.300 | 60 | 84 |
| TGT/4-710-3/-1,5 | 710 | 1,5 | 5,7 | 3,3 | 22.490 | 63 | 87 |
| TGT/4-710-3/-2,2 | 710 | 2,2 | 8,1 | 4,6 | 24.660 | 70 | 94 |
| TGT/4-710-3/-3 | 710 | 3 | 10,7 | 6,2 | 26.630 | 76 | 100 |
| TGT/4-710-6/-1,1 | 710 | 1,1 | 4,2 | 2,4 | 14.320 | 64 | 87 |
| TGT/4-710-6/-1,5 | 710 | 1,5 | 5,7 | 3,3 | 18.570 | 67 | 90 |
| TGT/4-710-6/-2,2 | 710 | 2,2 | 8,1 | 4,6 | 22.270 | 74 | 97 |
| TGT/4-710-6/-3 | 710 | 3 | 10,7 | 6,2 | 27.380 | 80 | 103 |
| TGT/4-710-6/-4 | 710 | 4 | - | 8,1 | 29.930 | 81 | 104 |
| TGT/4-800-3/-1,1 | 800 | 1,1 | 4,2 | 2,4 | 20.880 | 77 | 94 |
| TGT/4-800-3/-1,5 | 800 | 1,5 | 5,7 | 3,3 | 24.780 | 80 | 97 |
| TGT/4-800-3/-2,2 | 800 | 2,2 | 8,1 | 4,6 | 27.520 | 87 | 104 |
| TGT/4-800-3/-3 | 800 | 3 | 10,7 | 6,2 | 32.050 | 93 | 110 |
| TGT/4-800-3/-4 | 800 | 4 | - | 8,1 | 34.860 | 94 | 111 |
| TGT/4-800-3/-5,5 | 800 | 5,5 | - | 10,5 | 36.280 | 123 | 140 |
| TGT/4-800-6/-1,5 | 800 | 1,5 | 5,7 | 3,3 | 18.940 | 83 | 100 |
| TGT/4-800-6/-2,2 | 800 | 2,2 | 8,1 | 4,6 | 23.430 | 90 | 107 |
| TGT/4-800-6/-3 | 800 | 3 | 10,7 | 6,2 | 29.950 | 96 | 113 |
| TGT/4-800-6/-4 | 800 | 4 | - | 8,1 | 33.230 | 97 | 114 |
| TGT/4-800-6/-5,5 | 800 | 5,5 | - | 10,5 | 36.980 | 126 | 143 |
| TGT/4-800-6/-7,5 | 800 | 7,5 | - | 14,1 | 40.470 | 133 | 150 |
| TGT/4-800-9/-4 | 800 | 4 | - | 8,1 | 24.830 | 101 | 118 |
| TGT/4-800-9/-5,5 | 800 | 5,5 | - | 10,5 | 31.830 | 130 | 147 |
| TGT/4-800-9/-7,5 | 800 | 7,5 | - | 14,1 | 37.910 | 137 | 154 |
| TGT/4-900-3/-2,2 | 900 | 2,2 | 8,1 | 4,6 | 28.080 | 102 | 120 |
| TGT/4-900-3/-3 | 900 | 3 | 10,7 | 6,2 | 35.040 | 108 | 126 |
| TGT/4-900-3/-4 | 900 | 4 | - | 8,1 | 39.260 | 109 | 127 |
| TGT/4-900-3/-5,5 | 900 | 5,5 | - | 10,5 | 42.500 | 138 | 156 |
| TGT/4-900-3/-7,5 | 900 | 7,5 | - | 14,1 | 49.880 | 145 | 163 |
| TGT/4-900-6/-4 | 900 | 4 | - | 8,1 | 29.540 | 113 | 132 |
| TGT/4-900-6/-5,5 | 900 | 5,5 | - | 10,5 | 38.140 | 142 | 161 |
| TGT/4-900-6/-7,5 | 900 | 7,5 | - | 14,1 | 46.530 | 149 | 168 |
| TGT/4-900-6/-11 | 900 | 11 | - | 21,2 | 55.180 | 202 | 221 |
| TGT/4-900-6/-15 | 900 | 15 | - | 28,7 | 56.480 | 224 | 243 |
| TGT/4-900-9/-5,5 | 900 | 5,5 | - | 10,5 | 31.620 | 165 | 165 |
| TGT/4-900-9/-7,5 | 900 | 7,5 | - | 14,1 | 40.930 | 172 | 172 |
| TGT/4-900-9/-11 | 900 | 11 | - | 21,2 | 50.560 | 225 | 225 |
| TGT/4-900-9/-15 | 900 | 15 | - | 28,7 | 57.990 | 247 | 247 |
| TGT/4-1000-3/-3 | 1000 | 3 | 10,7 | 6,2 | 38.810 | 115 | 136 |
| TGT/4-1000-3/-4 | 1000 | 4 | - | 8,1 | 45.140 | 116 | 137 |

## CARACTERÍSTICAS TÉCNICAS

Nos reservamos el derecho a utilizar distintos fabricantes de motores y por lo tanto, los datos indicados pueden variar. Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación.

| Modelo | Ø (mm) | Potencia motor (kW) | Intensidad nominal motor (A) | | Caudal máximo ($m^3/h$) | Peso (kg) | |
|---|---|---|---|---|---|---|---|
| | | | 230 V | 400 V | | Camisa corta | Camisa larga |
| 4 POLOS - 1450 rpm | | | | | | | |
| TGT/4-1000-3/-5,5 | 1000 | 5,5 | - | 10,5 | 51.960 | 145 | 166 |
| TGT/4-1000-3/-7,5 | 1000 | 7,5 | - | 14,1 | 59.610 | 152 | 173 |
| TGT/4-1000-3/-11 | 1000 | 11 | - | 21,2 | 67.400 | 205 | 226 |
| TGT/4-1000-6/-4 | 1000 | 4 | - | 8,1 | 32.490 | 121 | 142 |
| TGT/4-1000-6/-5,5 | 1000 | 5,5 | - | 10,5 | 41.830 | 150 | 171 |
| TGT/4-1000-6/-7,5 | 1000 | 7,5 | - | 14,1 | 50.090 | 157 | 178 |
| TGT/4-1000-6/-11 | 1000 | 11 | - | 21,2 | 63.320 | 210 | 231 |
| TGT/4-1000-6/-15 | 1000 | 15 | - | 28,7 | 71.240 | 232 | 253 |
| TGT/4-1000-6/-18,5 | 1000 | 18,5 | - | 35,1 | 74.240 | 264 | 285 |
| TGT/4-1000-6/-22 | 1000 | 22 | - | 40,5 | 78.210 | 285 | 306 |
| TGT/4-1000-9/-5,5 | 1000 | 5,5 | - | 10,5 | 32.390 | 155 | 176 |
| TGT/4-1000-9/-7,5 | 1000 | 7,5 | - | 14,1 | 39.920 | 162 | 183 |
| TGT/4-1000-9/-11 | 1000 | 11 | - | 21,2 | 55.140 | 215 | 236 |
| TGT/4-1000-9/-15 | 1000 | 15 | - | 28,7 | 66.300 | 237 | 258 |
| TGT/4-1000-9/-18,5 | 1000 | 18,5 | - | 35,1 | 71.180 | 269 | 290 |
| TGT/4-1000-9/-22 | 1000 | 22 | - | 40,5 | 77.850 | 290 | 311 |
| TGT/4-1120-3/-4 | 1120 | 4 | - | 8,1 | 50.910 | 132 | 164 |
| TGT/4-1120-3/-5,5 | 1120 | 5,5 | - | 10,5 | 56.800 | 161 | 193 |
| TGT/4-1120-3/-7,5 | 1120 | 7,5 | - | 14,1 | 69.940 | 168 | 200 |
| TGT/4-1120-3/-11 | 1120 | 11 | - | 21,2 | 79.570 | 221 | 253 |
| TGT/4-1120-3/-15 | 1120 | 15 | - | 28,7 | 91.680 | 243 | 275 |
| TGT/4-1120-3/-18,5 | 1120 | 18,5 | - | 35,1 | 95.980 | 275 | 307 |
| TGT/4-1120-6/-11 | 1120 | 11 | - | 21,2 | 66.580 | 226 | 258 |
| TGT/4-1120-6/-15 | 1120 | 15 | - | 28,7 | 82.130 | 248 | 280 |
| TGT/4-1120-6/-18,5 | 1120 | 18,5 | - | 35,1 | 87.400 | 280 | 312 |
| TGT/4-1120-6/-22 | 1120 | 22 | - | 40,5 | 93.950 | 301 | 333 |
| TGT/4-1120-6/-30 | 1120 | 30 | - | 56,2 | 109.450 | 349 | 381 |
| TGT/4-1120-9/-11 | 1120 | 11 | - | 21,2 | 56.430 | 232 | 263 |
| TGT/4-1120-9/-15 | 1120 | 15 | - | 28,7 | 70.740 | 254 | 285 |
| TGT/4-1120-9/-18,5 | 1120 | 18,5 | - | 35,1 | 76.450 | 286 | 317 |
| TGT/4-1120-9/-22 | 1120 | 22 | - | 40,5 | 87.390 | 307 | 338 |
| TGT/4-1120-9/-30 | 1120 | 30 | - | 56,2 | 94.440 | 355 | 386 |
| TGT/4-1120-9/-37 | 1120 | 37 | - | 66,6 | 108.370 | 501 | 532 |
| TGT/4-1120-9/-45 | 1120 | 45 | - | 80,7 | 114.620 | 529 | 560 |
| TGT/4-1250-3/-7,5 | 1250 | 7,5 | - | 14,1 | 70.700 | 184 | 226 |
| TGT/4-1250-3/-11 | 1250 | 11 | - | 21,2 | 84.200 | 237 | 279 |
| TGT/4-1250-3/-15 | 1250 | 15 | - | 28,7 | 100.000 | 259 | 301 |
| TGT/4-1250-3/-18,5 | 1250 | 18,5 | - | 35,1 | 105.000 | 291 | 333 |
| TGT/4-1250-3/-22 | 1250 | 22 | - | 40,5 | 115.000 | 312 | 354 |
| TGT/4-1250-3/-30 | 1250 | 30 | - | 56,2 | 128.600 | 360 | 402 |
| TGT/4-1250-6/-15 | 1250 | 15 | - | 28,7 | 84.600 | 265 | 307 |
| TGT/4-1250-6/-18,5 | 1250 | 18,5 | - | 35,1 | 92.000 | 297 | 339 |
| TGT/4-1250-6/-22 | 1250 | 22 | - | 40,5 | 99.700 | 318 | 360 |
| TGT/4-1250-6/-30 | 1250 | 30 | - | 56,2 | 122.200 | 366 | 408 |
| TGT/4-1250-6/-37 | 1250 | 37 | - | 66,6 | 133.900 | 512 | 554 |
| TGT/4-1250-6/-45 | 1250 | 45 | - | 80,7 | 141.600 | 540 | 582 |
| TGT/4-1250-9/-15 | 1250 | 15 | - | 28,7 | 66.300 | 271 | 313 |
| TGT/4-1250-9/-18,5 | 1250 | 18,5 | - | 35,1 | 76.500 | 303 | 345 |
| TGT/4-1250-9/-22 | 1250 | 22 | - | 40,5 | 84.640 | 324 | 366 |
| TGT/4-1250-9/-30 | 1250 | 30 | - | 56,2 | 100.300 | 372 | 414 |
| TGT/4-1250-9/-37 | 1250 | 37 | - | 66,6 | 119.040 | 518 | 560 |
| TGT/4-1250-9/-45 | 1250 | 45 | - | 80,7 | 135.070 | 546 | 588 |
| TGT/4-1250-12/-18,5 | 1250 | 18,5 | - | 34,9 | 69.880 | 309 | 351 |
| TGT/4-1250-12/-22 | 1250 | 22 | - | 40,9 | 75.850 | 330 | 372 |
| TGT/4-1250-12/-30 | 1250 | 30 | - | 54,6 | 93.420 | 378 | 420 |
| TGT/4-1250-12/-37 | 1250 | 37 | - | 65,6 | 102.300 | 524 | 566 |
| TGT/4-1250-12/-45 | 1250 | 45 | - | 79,4 | 119.830 | 552 | 594 |
| TGT/4-1257-12/-55 | 1250 | 55 | - | 96,9 | 135.270 | 639 | 681 |

## CARACTERÍSTICAS TÉCNICAS

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| Modelo | Ø (mm) | Potencia motor (kW) | Intensidad nominal motor (A) | | Caudal máximo ($m^3/h$) | Peso (kg) | |
|---|---|---|---|---|---|---|---|
| | | | 230 V | 400 V | | Camisa corta | Camisa larga |
| 4 POLOS - 1450 rpm | | | | | | | |
| TGT/4-1257-12/-75 | 1250 | 75 | - | 130 | 151.640 | 861 | 903 |
| TGT/4-1409-3/-18,5 | 1409 | 18,5 | - | 34,9 | 105.530 | 449 | 603 |
| TGT/4-1409-3/-22 | 1409 | 22 | - | 40,9 | 113.890 | 470 | 624 |
| TGT/4-1409-3/-30 | 1409 | 30 | - | 54,6 | 130.110 | 518 | 672 |
| TGT/4-1409-3/-37 | 1409 | 37 | - | 65,6 | 145.510 | 664 | 818 |
| TGT/4-1409-3/-45 | 1409 | 45 | - | 79,4 | 159.141 | 692 | 846 |
| TGT/4-1409-3/-55 | 1409 | 55 | - | 96,9 | 174.100 | 788 | 942 |
| TGT/4-1409-3/-75 | 1409 | 75 | - | 130 | 181.370 | 1012 | 1166 |
| TGT/4-1409-6/-30 | 1409 | 30 | - | 54,6 | 106.150 | 531 | 685 |
| TGT/4-1409-6/-37 | 1409 | 37 | - | 65,6 | 117.000 | 677 | 831 |
| TGT/4-1409-6/-45 | 1409 | 45 | - | 79,4 | 138.250 | 705 | 859 |
| TGT/4-1409-6/-55 | 1409 | 55 | - | 96,9 | 145.560 | 801 | 955 |
| TGT/4-1409-6/-75 | 1409 | 75 | - | 130 | 177.660 | 1025 | 1179 |
| TGT/4-1409-6/-90 | 1409 | 90 | - | 158 | 196.340 | 1073 | 1227 |
| TGT/4-1409-6/-110 | 1409 | 110 | - | 192 | 214.970 | 1311 | 1465 |
| TGT/4-1409-9/-55 | 1409 | 55 | - | 96,9 | 135.940 | 814 | 968 |
| TGT/4-1409-9/-75 | 1409 | 75 | - | 130 | 167.350 | 1038 | 1192 |
| TGT/4-1409-9/-90 | 1409 | 90 | - | 158 | 187.100 | 1086 | 1240 |
| TGT/4-1409-9/-110 | 1409 | 110 | - | 192 | 205.890 | 1324 | 1478 |
| TGT/4-1409-9/-132 | 1409 | 132 | - | 230 | 223.970 | 1267 | 1421 |
| TGT/4-1409-9/-160 | 1409 | 160 | - | 275 | 245.100 | 1466 | 1620 |
| TGT/4-1409-12/-75 | 1409 | 75 | - | 130 | 134.080 | 1051 | 1205 |
| TGT/4-1409-12/-90 | 1409 | 90 | - | 158 | 158.040 | 1099 | 1253 |
| TGT/4-1409-12/-110 | 1409 | 110 | - | 192 | 181.610 | 1337 | 1491 |
| TGT/4-1409-12/-132 | 1409 | 132 | - | 230 | 205.410 | 1280 | 1434 |
| TGT/4-1409-12/-160 | 1409 | 160 | - | 275 | 229.940 | 1479 | 1633 |
| TGT/4-1609-3/-37 | 1609 | 37 | - | 65,6 | 182.250 | 717 | 917 |
| TGT/4-1609-3/-45 | 1609 | 45 | - | 79,4 | 193.710 | 745 | 945 |
| TGT/4-1609-3/-55 | 1609 | 55 | - | 96,9 | 215.060 | 850 | 1050 |
| TGT/4-1609-3/-75 | 1609 | 75 | - | 130 | 234.820 | 1074 | 1274 |
| TGT/4-1609-3/-90 | 1609 | 90 | - | 158 | 253.140 | 1122 | 1322 |
| TGT/4-1609-3/-110 | 1609 | 110 | - | 192 | 271.580 | 1360 | 1560 |
| TGT/4-1609-3/-132 | 1609 | 132 | - | 230 | 281.750 | 1303 | 1503 |
| TGT/4-1609-6/-55 | 1609 | 55 | - | 96,9 | 180.200 | 864 | 1064 |
| TGT/4-1609-6/-75 | 1609 | 75 | - | 130 | 210.380 | 1088 | 1288 |
| TGT/4-1609-6/-90 | 1609 | 90 | - | 158 | 225.100 | 1136 | 1336 |
| TGT/4-1609-6/-110 | 1609 | 110 | - | 192 | 253.420 | 1374 | 1574 |
| TGT/4-1609-6/-132 | 1609 | 132 | - | 230 | 266.820 | 1317 | 1517 |
| TGT/4-1609-6/-160 | 1609 | 160 | - | 275 | 292.980 | 1516 | 1716 |
| TGT/4-1609-6/-185 | 1609 | 185 | - | 318 | 317.670 | 1586 | 1786 |
| TGT/4-1609-6/-200 | 1609 | 200 | - | 343 | 329.520 | 1696 | 1896 |
| TGT/4-1609-9/-75 | 1609 | 75 | - | 130 | 180.640 | 1102 | 1302 |
| TGT/4-1609-9/-90 | 1609 | 90 | - | 158 | 197.870 | 1150 | 1350 |
| TGT/4-1609-9/-110 | 1609 | 110 | - | 192 | 214.830 | 1388 | 1588 |
| TGT/4-1609-9/-132 | 1609 | 132 | - | 230 | 247.880 | 1331 | 1531 |
| TGT/4-1609-9/-160 | 1609 | 160 | - | 275 | 264.070 | 1530 | 1730 |
| TGT/4-1609-9/-185 | 1609 | 185 | - | 318 | 295.870 | 1600 | 1800 |
| TGT/4-1609-9/-200 | 1609 | 200 | - | 343 | 311.270 | 1710 | 1910 |
| TGT/4-1609-12/-90 | 1609 | 90 | - | 158 | 171.310 | 1165 | 1365 |
| TGT/4-1609-12/-110 | 1609 | 110 | - | 192 | 189.730 | 1403 | 1603 |
| TGT/4-1609-12/-132 | 1609 | 132 | - | 230 | 208.010 | 1346 | 1546 |
| TGT/4-1609-12/-160 | 1609 | 160 | - | 275 | 244.160 | 1545 | 1745 |
| TGT/4-1609-12/-185 | 1609 | 185 | - | 318 | 261.990 | 1615 | 1815 |
| TGT/4-1609-12/-200 | 1609 | 200 | - | 343 | 279.660 | 1725 | 1925 |

## CARACTERÍSTICAS TÉCNICAS

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| Modelo | Ø (mm) | Potencia motor (kW) | Intensidad nominal motor (A) | | Caudal máximo ($m^3/h$) | Peso (kg) | |
|---|---|---|---|---|---|---|---|
| | | | 230 V | 400 V | | Camisa corta | Camisa larga |
| 6 POLOS - 950 rpm | | | | | | | |
| TGT/6-560-6/- 0,37 | 560 | 0,37 | 1,8 | 1,1 | 8.770 | 50 | 67 |
| TGT/6-560-6/- 0,55 | 560 | 0,55 | 2,6 | 1,5 | 10.000 | 57 | 74 |
| TGT/6-630-6/- 0,37 | 630 | 0,37 | 1,8 | 1,1 | 10.219 | 57 | 72 |
| TGT/6-630-6/- 0,55 | 630 | 0,55 | 2,6 | 1,5 | 11.620 | 64 | 79 |
| TGT/6-630-6/- 0,75 | 630 | 0,75 | 3,4 | 2,0 | 13.340 | 70 | 85 |
| TGT/6-630-6/- 1,1 | 630 | 1,1 | 4,8 | 2,8 | 15.300 | 72 | 87 |
| TGT/6-710-3/- 0,55 | 710 | 0,55 | 2,6 | 1,5 | 15.440 | 59 | 83 |
| TGT/6-710-3/- 0,75 | 710 | 0,75 | 3,4 | 2,0 | 17.150 | 65 | 89 |
| TGT/6-710-6/- 0,55 | 710 | 0,55 | 2,6 | 1,5 | 13.120 | 63 | 86 |
| TGT/6-710-6/- 0,75 | 710 | 0,75 | 3,4 | 2,0 | 16.080 | 69 | 92 |
| TGT/6-710-6/- 1,1 | 710 | 1,1 | 4,8 | 2,8 | 19.490 | 71 | 94 |
| TGT/6-800-3/- 0,55 | 800 | 0,55 | 2,6 | 1,5 | 16.840 | 76 | 93 |
| TGT/6-800-3/- 0,75 | 800 | 0,75 | 3,4 | 2,0 | 19.650 | 82 | 99 |
| TGT/6-800-3/- 1,1 | 800 | 1,1 | 4,8 | 2,8 | 24.140 | 84 | 101 |
| TGT/6-800-6/- 0,55 | 800 | 0,55 | 2,6 | 1,5 | 14.960 | 79 | 96 |
| TGT/6-800-6/- 0,75 | 800 | 0,75 | 3,4 | 2,0 | 17.830 | 85 | 102 |
| TGT/6-800-6/- 1,1 | 800 | 1,1 | 4,8 | 2,8 | 20.370 | 87 | 104 |
| TGT/6-800-6/- 1,5 | 800 | 1,5 | 6,5 | 3,7 | 24.890 | 91 | 108 |
| TGT/6-800-6/- 2,2 | 800 | 2,2 | 9,2 | 5,3 | 27.480 | 99 | 116 |
| TGT/6-800-9/- 1,1 | 800 | 1,1 | 4,8 | 2,8 | 15.080 | 91 | 108 |
| TGT/6-800-9/- 1,5 | 800 | 1,5 | 6,5 | 3,7 | 20.530 | 95 | 112 |
| TGT/6-800-9/- 2,2 | 800 | 2,2 | 9,2 | 5,3 | 25.020 | 103 | 120 |
| TGT/6-800-9/- 3 | 800 | 3 | 12,7 | 7,3 | 26.840 | 126 | 143 |
| TGT/6-900-3/- 1,5 | 900 | 1,5 | 6,5 | 3,7 | 27.470 | 103 | 121 |
| TGT/6-900-3/- 2,2 | 900 | 2,2 | 9,2 | 5,3 | 31.530 | 111 | 129 |
| TGT/6-900-6/- 1,5 | 900 | 1,5 | 6,5 | 3,7 | 22.940 | 107 | 126 |
| TGT/6-900-6/- 2,2 | 900 | 2,2 | 9,2 | 5,3 | 28.860 | 115 | 134 |
| TGT/6-900-6/- 3 | 900 | 3 | 12,7 | 7,3 | 35.490 | 138 | 157 |
| TGT/6-900-9/- 1,5 | 900 | 1,5 | 6,5 | 3,7 | 19.260 | 111 | 130 |
| TGT/6-900-9/- 2,2 | 900 | 2,2 | 9,2 | 5,3 | 26.830 | 119 | 138 |
| TGT/6-900-9/- 3 | 900 | 3 | 12,7 | 7,3 | 32.900 | 142 | 161 |
| TGT/6-1000-3/- 1,5 | 1000 | 1,5 | 6,5 | 3,7 | 30.050 | 110 | 131 |
| TGT/6-1000-3/- 2,2 | 1000 | 2,2 | 9,2 | 5,3 | 37.560 | 118 | 139 |
| TGT/6-1000-3/- 3 | 1000 | 3 | 12,7 | 7,3 | 42.190 | 141 | 162 |
| TGT/6-1000-3/- 4 | 1000 | 4 | - | 9,5 | 45.430 | 142 | 163 |
| TGT/6-1000-6/-1,5 | 1000 | 1,5 | 6,5 | 3,7 | 24.850 | 115 | 136 |
| TGT/6-1000-6/-2,2 | 1000 | 2,2 | 9,2 | 5,3 | 30.260 | 123 | 144 |
| TGT/6-1000-6/-3 | 1000 | 3 | 12,7 | 7,3 | 38.790 | 146 | 167 |
| TGT/6-1000-6/-4 | 1000 | 4 | - | 9,5 | 43.090 | 147 | 168 |
| TGT/6-1000-6/-5,5 | 1000 | 5,5 | - | 12,8 | 50.170 | 167 | 188 |
| TGT/6-1000-6/-7,5 | 1000 | 7,5 | - | 15,0 | 52.300 | 209 | 230 |
| TGT/6-1000-9/- 2,2 | 1000 | 2,2 | 9,2 | 5,3 | 27.250 | 128 | 149 |
| TGT/6-1000-9/- 3 | 1000 | 3 | 12,7 | 7,3 | 32.590 | 151 | 172 |
| TGT/6-1000-9/- 4 | 1000 | 4 | - | 9,5 | 37.720 | 152 | 173 |
| TGT/6-1000-9/- 5,5 | 1000 | 5,5 | - | 12,8 | 49.490 | 172 | 193 |
| TGT/6-1000-9/- 7,5 | 1000 | 7,5 | - | 15,0 | 55.620 | 214 | 235 |
| TGT/6-1120-3/-1,5 | 1120 | 1,5 | 6,5 | 3,7 | 34.520 | 126 | 158 |
| TGT/6-1120-3/-2,2 | 1120 | 2,2 | 9,2 | 5,2 | 44.390 | 134 | 166 |
| TGT/6-1120-3/-3 | 1120 | 3 | 12,7 | 6,9 | 50.810 | 157 | 189 |
| TGT/6-1120-3/-4 | 1120 | 4 | - | 8,1 | 58.640 | 158 | 190 |
| TGT/6-1120-3/-5,5 | 1120 | 5,5 | - | 12,5 | 64.760 | 178 | 210 |
| TGT/6-1120-6/-3 | 1120 | 3 | 12,7 | 6,9 | 40.600 | 162 | 194 |
| TGT/6-1120-6/-4 | 1120 | 4 | - | 8,1 | 48.870 | 163 | 195 |
| TGT/6-1120-6/-5,5 | 1120 | 5,5 | - | 12,5 | 58.370 | 183 | 215 |
| TGT/6-1120-6/-7,5 | 1120 | 7,5 | - | 14,7 | 66.870 | 225 | 257 |
| TGT/6-1120-6/-11 | 1120 | 11 | - | 21,5 | 72.880 | 246 | 278 |
| TGT/6-1120-9/-3 | 1120 | 3 | 12,7 | 6,9 | 32.460 | 168 | 199 |
| TGT/6-1120-9/-4 | 1120 | 4 | - | 8,1 | 38.900 | 169 | 200 |

## CARACTERÍSTICAS TÉCNICAS

Nos reservamos el derecho a utilizar distintos fabricantes de motores y por lo tanto, los datos indicados pueden variar. Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación

| Modelo | Ø (mm) | Potencia motor (kW) | Intensidad nominal motor (A) | | Caudal máximo ($m^3/h$) | Peso (kg) | |
|---|---|---|---|---|---|---|---|
| | | | 230 V | 400 V | | Camisa corta | Camisa larga |
| 6 POLOS - 950 rpm | | | | | | | |
| TGT/6-1120-9/-5,5 | 1120 | 5,5 | - | 12,5 | 47.990 | 189 | 220 |
| TGT/6-1120-9/-7,5 | 1120 | 7,5 | - | 14,7 | 57.430 | 231 | 262 |
| TGT/6-1120-9/-11 | 1120 | 11 | - | 21,5 | 70.810 | 252 | 283 |
| TGT/6-1120-9/-15 | 1120 | 15 | - | 30,4 | 78.520 | 284 | 315 |
| TGT/6-1250-3/-2,2 | 1250 | 2,2 | 9,2 | 5,3 | 39.240 | 150 | 192 |
| TGT/6-1250-3/-3 | 1250 | 3 | 12,7 | 7,3 | 52.660 | 173 | 215 |
| TGT/6-1250-3/-4 | 1250 | 4 | - | 9,5 | 59.500 | 174 | 216 |
| TGT/6-1250-3/-5,5 | 1250 | 5,5 | - | 12,8 | 69.100 | 194 | 236 |
| TGT/6-1250-3/-7,5 | 1250 | 7,5 | - | 15,0 | 76.000 | 236 | 278 |
| TGT/6-1250-3/-11 | 1250 | 11 | - | 22,0 | 81.600 | 257 | 299 |
| TGT/6-1250-6/- 4 | 1250 | 4 | - | 9,5 | 40.090 | 180 | 222 |
| TGT/6-1250-6/- 5,5 | 1250 | 5,5 | - | 12,8 | 63.600 | 200 | 242 |
| TGT/6-1250-6/- 7,5 | 1250 | 7,5 | - | 15,0 | 75.590 | 242 | 284 |
| TGT/6-1250-6/- 11 | 1250 | 11 | - | 22,0 | 88.480 | 263 | 305 |
| TGT/6-1250-6/- 15 | 1250 | 15 | - | 27,9 | 101.000 | 295 | 337 |
| TGT/6-1250-9/-5,5 | 1250 | 5,5 | - | 12,8 | 54.570 | 206 | 248 |
| TGT/6-1250-9/-7,5 | 1250 | 7,5 | - | 15,0 | 66.000 | 248 | 290 |
| TGT/6-1250-9/-11 | 1250 | 11 | - | 22,0 | 77.000 | 269 | 311 |
| TGT/6-1250-9/-15 | 1250 | 15 | - | 27,9 | 94.150 | 301 | 343 |
| TGT/6-1250-9/-18,5 | 1250 | 18,5 | - | 35,7 | 103.600 | 344 | 386 |
| TGT/6-1250-9/-22 | 1250 | 22 | - | 42,3 | 108.240 | 371 | 413 |
| TGT/6-1409-3/-7,5 | 1409 | 7,5 | - | 14,7 | 81.110 | 394 | 548 |
| TGT/6-1409-3/-11 | 1409 | 11 | - | 21,5 | 96.680 | 415 | 569 |
| TGT/6-1409-3/-15 | 1409 | 15 | - | 30,4 | 110.880 | 447 | 601 |
| TGT/6-1409-3/-18,5 | 1409 | 18,5 | - | 37,3 | 116.030 | 490 | 644 |
| TGT/6-1409-6/-11 | 1409 | 11 | - | 21,5 | 77.740 | 428 | 582 |
| TGT/6-1409-6/-15 | 1409 | 15 | - | 30,4 | 98.700 | 460 | 614 |
| TGT/6-1409-6/-18,5 | 1409 | 18,5 | - | 37,3 | 105.260 | 503 | 657 |
| TGT/6-1409-6/-22 | 1409 | 22 | - | 43 | 118.040 | 530 | 684 |
| TGT/6-1409-6/-30 | 1409 | 30 | - | 54,2 | 136.530 | 686 | 840 |
| TGT/6-1409-6/-37 | 1409 | 37 | - | 66,6 | 143.270 | 780 | 934 |
| TGT/6-1409-9/-15 | 1409 | 15 | - | 30,4 | 90.320 | 473 | 627 |
| TGT/6-1409-9/-18,5 | 1409 | 18,5 | - | 37,3 | 104.310 | 516 | 670 |
| TGT/6-1409-9/-22 | 1409 | 22 | - | 43 | 111.190 | 543 | 697 |
| TGT/6-1409-9/-30 | 1409 | 30 | - | 54,2 | 130.610 | 699 | 853 |
| TGT/6-1409-9/-37 | 1409 | 37 | - | 66,6 | 149.280 | 793 | 947 |
| TGT/6-1409-9/-45 | 1409 | 45 | - | 83,4 | 156.100 | 987 | 1141 |
| TGT/6-1409-12/-18,5 | 1409 | 18,5 | - | 37,3 | 82.050 | 529 | 683 |
| TGT/6-1409-12/-22 | 1409 | 22 | - | 43 | 89.080 | 556 | 710 |
| TGT/6-1409-12/-30 | 1409 | 30 | - | 54,2 | 112.870 | 712 | 866 |
| TGT/6-1409-12/-37 | 1409 | 37 | - | 66,6 | 128.400 | 806 | 960 |
| TGT/6-1409-12/-45 | 1409 | 45 | - | 83,4 | 144.920 | 1000 | 1154 |
| TGT/6-1409-12/-55 | 1409 | 55 | - | 102 | 153.250 | 1045 | 1199 |
| TGT/6-1609-3/-11 | 1609 | 11 | - | 21,5 | 121.090 | 468 | 668 |
| TGT/6-1609-3/-15 | 1609 | 15 | - | 30,4 | 136.220 | 500 | 700 |
| TGT/6-1609-3/-18,5 | 1609 | 18,5 | - | 37,3 | 142.890 | 543 | 743 |
| TGT/6-1609-3/-22 | 1609 | 22 | - | 43 | 156.020 | 570 | 770 |
| TGT/6-1609-3/-30 | 1609 | 30 | - | 54,2 | 174.180 | 726 | 926 |
| TGT/6-1609-3/-37 | 1609 | 37 | - | 66,6 | 187.200 | 829 | 1029 |
| TGT/6-1609-6/-18,5 | 1609 | 18,5 | - | 37,3 | 129.840 | 557 | 757 |
| TGT/6-1609-6/-22 | 1609 | 22 | - | 43 | 139.780 | 584 | 784 |
| TGT/6-1609-6/-30 | 1609 | 30 | - | 54,2 | 159.190 | 740 | 940 |
| TGT/6-1609-6/-37 | 1609 | 37 | - | 66,6 | 177.280 | 843 | 1043 |
| TGT/6-1609-6/-45 | 1609 | 45 | - | 83,4 | 194.660 | 1037 | 1237 |
| TGT/6-1609-6/-55 | 1609 | 55 | - | 102 | 211.070 | 1082 | 1282 |
| TGT/6-1609-6/-75 | 1609 | 75 | - | 136 | 226.700 | 1326 | 1526 |
| TGT/6-1609-9/-22 | 1609 | 22 | - | 43 | 120.030 | 598 | 798 |
| TGT/6-1609-9/-30 | 1609 | 30 | - | 54,2 | 142.740 | 754 | 954 |

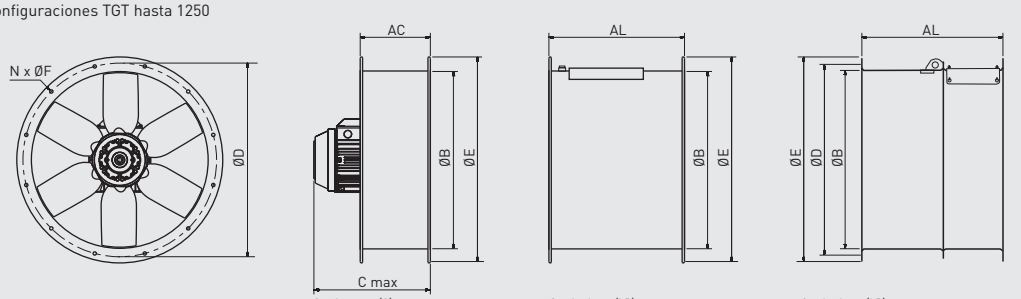
## CARACTERÍSTICAS TÉCNICAS

Nos reservamos el derecho a utilizar distintos fabricantes de motores y por lo tanto, los datos indicados pueden variar. Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación

| Modelo | Ø (mm) | Potencia motor (kW) | Intensidad nominal motor (A) | | Caudal máximo ($m^3/h$) | Peso (kg) | |
|---|---|---|---|---|---|---|---|
| | | | 230 V | 400 V | | Camisa corta | Camisa larga |
| 6 POLOS - 950 rpm | | | | | | | |
| TGT/6-1609-9/-37 | 1609 | 37 | - | 66,6 | 164.700 | 857 | 1057 |
| TGT/6-1609-9/-45 | 1609 | 45 | - | 83,4 | 175.450 | 1051 | 1251 |
| TGT/6-1609-9/-55 | 1609 | 55 | - | 102 | 196.590 | 1096 | 1296 |
| TGT/6-1609-9/-75 | 1609 | 75 | - | 136 | 226.150 | 1340 | 1540 |
| TGT/6-1609-9/-90 | 1609 | 90 | - | 163 | 246.350 | 1426 | 1626 |
| TGT/6-1609-12/-30 | 1609 | 30 | - | 54,2 | 126.060 | 769 | 969 |
| TGT/6-1609-12/-37 | 1609 | 37 | - | 66,6 | 138.200 | 872 | 1072 |
| TGT/6-1609-12/-45 | 1609 | 45 | - | 83,4 | 162.220 | 1066 | 1266 |
| TGT/6-1609-12/-55 | 1609 | 55 | - | 102 | 185.820 | 1111 | 1311 |
| TGT/6-1609-12/-75 | 1609 | 75 | - | 136 | 220.360 | 1355 | 1555 |
| TGT/6-1609-12/-90 | 1609 | 90 | - | 163 | 242.770 | 1441 | 1641 |
| TGT/6-1609-12/-110 | 1609 | 110 | - | 199 | 252.520 | 1499 | 1699 |

## DIMENSIONES (mm)

Configuraciones TGT hasta 1250

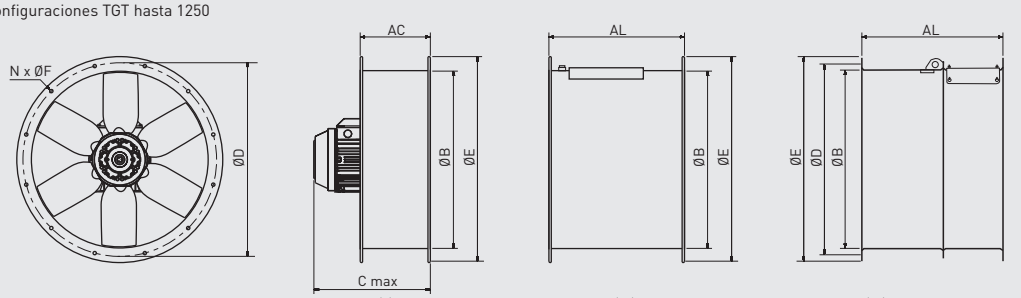



Camisa corta (C)
TGT 400 a 1250
TGT ATEX 500 a 1250

Camisa larga (LP)
TGT 400 a 800
TGT ATEX 400 a 800

Camisa larga (LP)
TGT 900 a 1250
TGT ATEX 900 a 1250

Configuraciones TGT hasta 1250

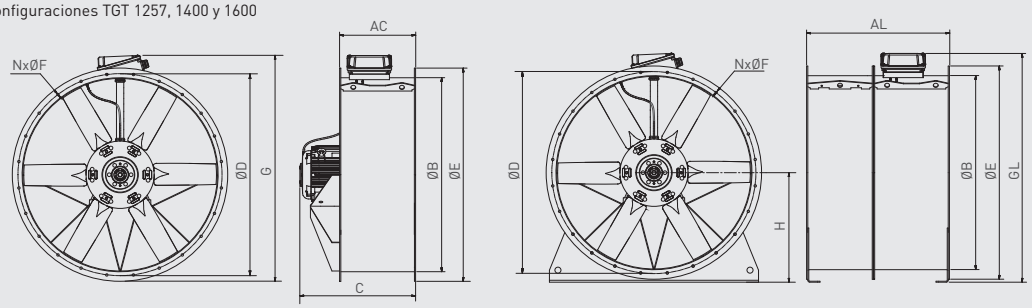



Camisa corta (C)
TGT 400 a 1250
TGT ATEX 500 a 1250

Camisa larga (LP)
TGT 400 a 800
TGT ATEX 400 a 800

Camisa larga (LP)
TGT 900 a 1250
TGT ATEX 900 a 1250

Configuraciones TGT 1257, 1400 y 1600




Camisa corta (C y CK) - hasta IEC 225
Sólo con caja de bornes (CK) - desde IEC 250

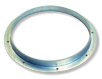
Camisa larga (LP, LK y LPK) - hasta IEC 225
Sólo con caja de bornes (LK y LPK) - desde IEC 250

| Modelo | AC | AL | B | C | D | E | F | G | GL | H | N |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 400 | 250 | 380 | 400 | 402 | 450 | 487 | 12 | 558 | - | - | 8 |
| 450 | 250 | 480 | 450 | 457 | 500 | 537 | 12 | 613 | - | - | 8 |
| 500 | 250 | 480 | 500 | 467 | 560 | 595 | 12 | 662 | - | - | 12 |
| 560 | 280 | 600 | 560 | 564 | 620 | 655 | 12 | 726 | - | - | 12 |
| 630 | 280 | 700 | 630 | 564 | 690 | 725 | 12 | 795 | - | - | 12 |
| 710 | 380 | 600 | 710 | 564 | 770 | 806 | 12 | 849 | - | - | 16 |
| 800 | 380 | 600 | 800 | 564 | 860 | 896 | 12 | 940 | - | - | 16 |
| 900 | 450 | 750 | 900 | 737 | 970 | 1005 | 15 | 1045 | - | - | 16 |
| 1000 | 450 | 780 | 1000 | 767 | 1070 | 1105 | 15 | 1145 | - | - | 16 |
| 1120 | 500 | 1150 | 1120 | 950 | 1190 | 1225 | 15 | 1268 | - | - | 20 |
| 1250 | 500 | 1150 | 1250 | 950 | 1320 | 1355 | 15 | 1421 | - | - | 20 |
| 1257 | 625 | 1175 | 1250 | 830 | 1320 | 1358 | 15 | 1505 | - | - | 20 |
| 1409 | 625 | 1175 | 1400 | 1130 | 1470 | 1512 | 15 | 1659 | 1663 | 781 | 20 |
| 1609 | 625 | 1275 | 1600 | 1250 | 1680 | 1772 | 20 | 1900 | 1910 | 910 | 24 |

Cotas correspondientes al mayor motor disponible para la gama.
Para información más detallada en función del punto de trabajo, por favor consultar Easyvent.

## ACESORIOS DE MONTAJE

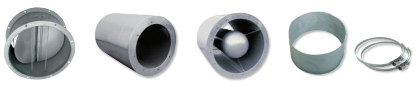
| Modelo | Aro brida | Embocadura-defensa | Acoplamientos elásticos | Defensas aspiración (lado hélice) | Defensas descarga (lado motor) |
|---|---|---|---|---|---|
| 400 | ARO BRIDA TGT/THGT-400 N | EMB- 400T o S | ACOPEL F400-400/160 N | DEF.ASP.TGT/THGT-400 | DEF.DES.TGT/THGT-400 |
| 450 | ARO BRIDA TGT/THGT-450 N | EMB- 450T o S | ACOPEL F400-450/160 N | DEF.ASP.TGT/THGT-450 | DEF. DES.TGT/THGT-450 |
| 500 | ARO BRIDA TGT/THGT-500 N | EMB- 500T o S | ACOPEL F400-500/160 N | DEF.ASP.TGT/THGT-500 | DEF.DES.TGT/THGT-500 |
| 560 | ARO BRIDA TGT/THGT-560 N | EMB- 560T o S | ACOPEL F400-560/160 N | DEF.ASP.TGT/THGT-560 | DEF.DES.TGT/THGT-560 |
| 630 | ARO BRIDA TGT/THGT-630 N | EMB- 630T o S | ACOPEL F400-630/160 N | DEF.ASP.TGT/THGT-630 | DEF.DES.TGT/THGT-630 |
| 710 | ARO BRIDA TGT/THGT-710 N | EMB- 710T | ACOPEL F400-710/180 N | DEF.ASP.TGT/THGT-710 | DEF.DES.TGT/THGT-710 |
| 800 | ARO BRIDA TGT/THGT-800 N | EMB- 800T | ACOPEL F400-800/180 N | DEF.ASP.TGT/THGT-800 | DEF.DES.TGT/THGT-800 |
| 900 | ARO BRIDA TGT/THGT-900 N | EMB- 900T o S | ACOPEL F400-900/180 N | DEF.ASP.TGT/THGT-900 | DEF.DES.TGT/THGT-900 |
| 1000 | ARO BRIDA TGT/THGT-1000 N | EMB- 1000T o S | ACOPEL F400-1000/180 N | DEF.ASP.TGT/THGT-1000 | DEF.DES.TGT/THGT-1000 |
| 1120 | ARO BRIDA TGT/THGT-1120 N | EMB- 1120T o S | ACOPEL F400-1120/200 N | DEF.ASP.TGT/THGT-1120 | DEF.DES.TGT/THGT-1120 |
| 1250 | ARO BRIDA TGT/THGT-1250 N | EMB- 1250T o S | ACOPEL F400-1250/200 N | DEF.ASP.TGT/THGT-1250 | DEF.DES.TGT/THGT-1250 |
| 1400 | ARO BRIDA TGT/THGT-1400 N | EMB- 1400T o S | ACOPEL F400-1400/200 N | DEF.ASP.TGT/THGT-1400 | DEF.DES.TGT/THGT-1400 |
| 1600 | ARO BRIDA TGT/THGT-1600 N | EMB- 1600T o S | ACOPEL F400-1600/200 N | DEF.ASP.TGT/THGT-1600 | DEF.DES.TGT/THGT-1600 |





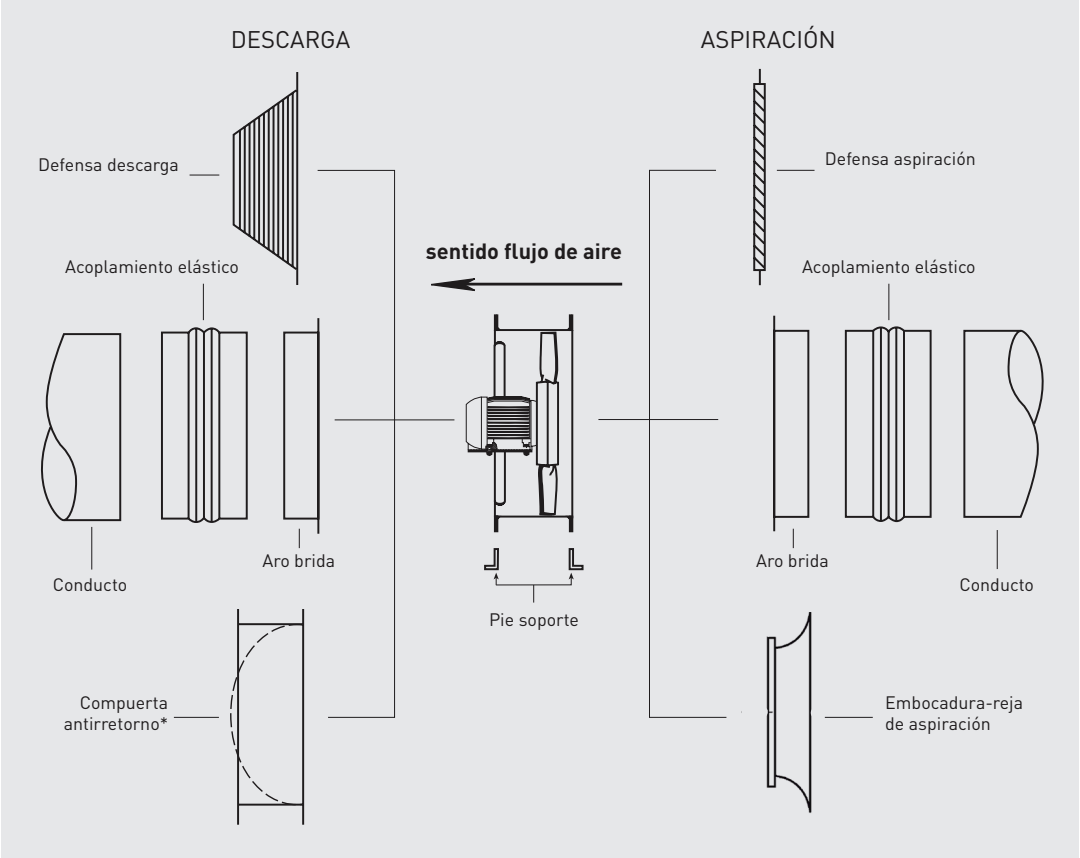


| Modelo | Pie soporte (descarga horizontal) | Pie soporte (descarga vertical) | Compuertas antirretorno | Silenciadores | Silenciadores con bulbo | Acoplamiento elástico ATEX | Soportes antivibratorios (AM) |
|---|---|---|---|---|---|---|---|
| 400 | PIE SOPORTE TGT/THGT-400 | PIE SOPORTE TGT/THGT-400 V | CLAR 400 | SIL CZ 400 | SIL CZO 400 | ACOPEL EX 400/ 160 N | |
| 450 | PIE SOPORTE TGT/THGT-450 | PIE SOPORTE TGT/THGT-450 V | CLAR 450 | SIL CZ 450 | SIL CZO 450 | ACOPEL EX 450/ 160 N | |
| 500 | PIE SOPORTE TGT/THGT-500 | PIE SOPORTE TGT/THGT-500 V | CLAR 500 | SIL CZ 500 | SIL CZO 500 | ACOPEL EX 500/ 160 N | |
| 560 | PIE SOPORTE TGT/THGT-560 | PIE SOPORTE TGT/THGT-560 V | CLAR 560 | SIL CZ 560 | SIL CZO 560 | ACOPEL EX 560/ 160 N | |
| 630 | PIE SOPORTE TGT/THGT-630 | PIE SOPORTE TGT/THGT-630 V | CLAR 630 | SIL CZ 630 | SIL CZO 630 | ACOPEL EX 630/ 160 N | Dividir por 4 el total del peso del ventilador, ya que se montan 4 soportes antivibratorios por unidad (ver información completa en los accesorios de montaje) |
| 710 | PIE SOPORTE TGT/THGT-710 | PIE SOPORTE TGT/THGT-710 V | CLAR 710 | SIL CZ 710 | SIL CZO 710 | ACOPEL EX 710/ 180 N | |
| 800 | PIE SOPORTE TGT/THGT-800 | PIE SOPORTE TGT/THGT-800 V | CLAR 800 | SIL CZ 800 | SIL CZO 800 | ACOPEL EX 800/ 180 N | |
| 900 | PIE SOPORTE TGT/THGT-900 | PIE SOPORTE TGT/THGT-900 V | CLAR 900 | SIL CZ 900 | SIL CZO 900 | ACOPEL EX 900/ 180 N | |
| 1000 | PIE SOPORTE TGT/THGT-1000 | PIE SOPORTE TGT/THGT-1000 V | CLAR 1000 | SIL CZ 1000 | SIL CZO 1000 | ACOPEL EX 1000/ 180 N | |
| 1120 | PIE SOPORTE TGT/THGT-1120 | PIE SOPORTE TGT/THGT-1120 V | CLAR 1120 | SIL CZ 1120 | SIL CZO 1120 | ACOPEL EX 1120/ 200 N | |
| 1250 | PIE SOPORTE TGT/THGT-1250 | PIE SOPORTE TGT/THGT-1250 V | CLAR 1250 | SIL CZ 1250 | SIL CZO 1250 | ACOPEL EX 1250/ 200 N | |
| 1400 | PIE SOPORTE TGT/THGT-1400 | PIE SOPORTE TGT/THGT-1400 V | CLAR 1400 | SIL CZ 1400 | SIL CZO 1400 | ACOPEL EX 1400/ 200 N | |
| 1600 | PIE SOPORTE TGT/THGT-1600 | PIE SOPORTE TGT/THGT-1600 V | CLAR 1600 | SIL CZ 1600 | SIL CZO 1600 | ACOPEL EX 1600/ 200 N | |


Ver información completa en página **772**.

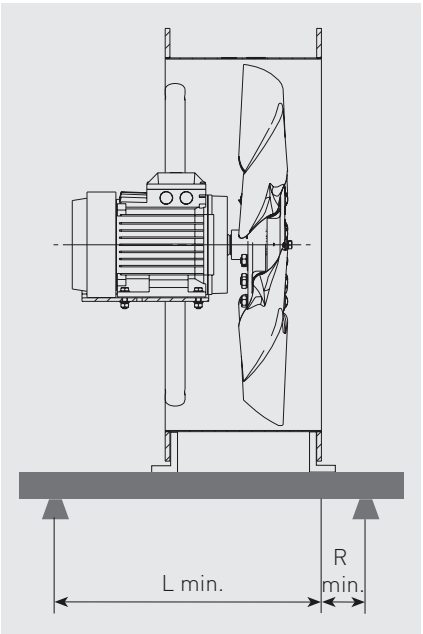
## INSTALACIÓN DE LOS ACCESORIOS DE MONTAJE




* Para versión Camisa Larga

Ver información completa en "Accesorios de montaje".

## MONTAJE DE LOS SOPORTES ANTIVIBRATORIOS EN LOS MODELOS DE CAMISA CORTA




Para el montaje de los soportes antivibratorios, en los modelos de camisa corta, recomendamos la instalación de una pieza complementaria (no suministrada por S&P) con unas medidas mínimas necesarias.

| TGT | L min. | R min. | Total |
|---|---|---|---|
| 400 | 370 | 60 | 430 |
| 450 | 430 | 70 | 500 |
| 500 | 440 | 70 | 510 |
| 560 | 550 | 80 | 630 |
| 630 | 550 | 80 | 630 |
| 710 | 550 | 80 | 630 |
| 800 | 550 | 90 | 640 |
| 900 | 750 | 100 | 850 |
| 1000 | 750 | 100 | 850 |
| 1120 | 900 | 100 | 1000 |
| 1250 | 900 | 100 | 1000 |
| 1400 | 1230 | 100 | 1330 |
| 1600 | 1350 | 100 | 1450 |

# TTT-N

## VENTILADORES AXIALES

*TRANSMISIÓN*



Configuración constructiva modelos
Ø 450 a 800, versiones N



Configuración constructiva modelos
Ø 900 y 1000, versiones NI

Ventiladores helicoidales tubulares a transmisión, con motor fuera del flujo del aire, capacitados para trasegar aire hasta 120ºC en continuo, camisa de chapa de acero reforzada y protegida contra la corrosión por cataforesis y pintura poliéster, con apertura de camisa a derecha o izquierda para inspección, hélice con pintura epoxi-poliéster antiadherente (excepto modelos Ø 900 y 1000), equilibrada dinámicamente y accionada a transmisión por correa de perfil poliuve situada en caja de protección, motor trifásico, IP55, Clase F, con rodamientos a bolas de engrase permanente.

**Motores**

Tensión de alimentación:
Trifásicos 230/400V-50Hz o 400V-50Hz
(Ver cuadro de características)

**Bajo demanda**

Modelos monofásicos 230V-50Hz
(hasta 1,5 kW).

**Otros datos**

- Sentido del aire Motor-Hélice (flujo A).
- Distintas inclinaciones de hélices para optimizar la relación caudal-presión-consumo.
- Las versiones NI incorporan interruptor de seguridad, paro/marcha (no disponibles para versiones ATEX).

**Versiones ATEX**

Bajo pedido, versiones antiexplosivas según la Directiva ATEX para modelos trifásicos:
Para trabajar a temperaturas de -20ºC a +40ºC.

- ATEX AntideFlagrantes - Gas:
  Ⓔx II 2G Ex d IIB T4
  Ⓔx II 2G Ex d IIB+H2 T4 (con motor Ex d IIC T4)
  En versión ATEX estándar, los motores antideflagrantes se entregan sin protección térmica. Para utilizar con convertidor de frecuencia pedir motores antideFlagrantes con protector térmico tipo PTC.
- ATEX Seguridad aumentada - Gas:
  Ⓔx II 2G Ex e II T3
- ATEX - Polvo
  Particulas en suspension inflamables y polvo no conductor:
  Ⓔx II 3D Ex tc IIIB T125ºC
  Polvo conductor:
  Ⓔx II 3D Ex tc IIIC T125ºC (con motor IP65)
  En versión ATEX estándar, los motores ATEX para polvo se entregan sin protección térmica.
  Para utilizar con convertidor de frecuencia pedir motores ATEX para polvo con protector térmico tipo PTC.

Para seleccionar modelos CMT ATEX, ver las curvas características, o bien el programa de selección de producto EasyVent. Los datos eléctricos de los modelos ATEX pueden variar respecto a los datos indicados en las tablas características. Consulte la disponibilidad de otras versiones, y de modelos monofásicos con motores ATEX.



**Facilidad de limpieza**
Sistema de apertura que facilita el mantenimiento y limpieza.



**Hélice antiadherente equilibrada dinámicamente**
Según norma ISO 1940, para reducir el ruido y evitar vibraciones. Recubierta con pintura antiadherente para rechazar la suciedad.



**Interruptor de seguridad incorporado**
Las versiones NI incorporan interruptor de seguridad, paro/marcha. (No disponibles para versiones ATEX)

## CARACTERÍSTICAS TÉCNICAS

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación

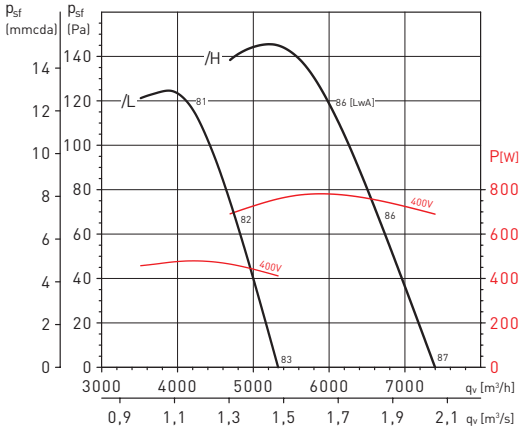
| Modelo | Velocidad (r.p.m.) | Diámetro (mm) | Potencia motor (kW) | Intensidad máxima absorbida (A) | | Caudal máximo ($m^3/h$) | Nivel presión sonora (dB(A)* | Peso (kg) |
|---|---|---|---|---|---|---|---|---|
| | | | | 230 V | 400 V | | | |
| TTT/4-450/L N | 1440 | 450 | 0,37 | 2,1 | 1,2 | 5.300 | 68 | 22 |
| TTT/4-450/H N | 1415 | 450 | 0,55 | 2,9 | 1,7 | 7.400 | 72 | 25 |
| TTT/4-500/L N | 1400 | 500 | 0,55 | 3,1 | 1,8 | 9.100 | 73 | 37 |
| TTT/4-500/H N | 1390 | 500 | 0,75 | 3,6 | 2,1 | 10.500 | 75 | 38 |
| TTT/4-560/L N | 1400 | 560 | 0,75 | 3,8 | 2,2 | 11.500 | 73 | 32 |
| TTT/4-560/H N | 1420 | 560 | 1,1 | 4,8 | 2,8 | 13.100 | 75 | 35 |
| TTT/4-630/L N | 1440 | 630 | 1,1 | 4,8 | 2,8 | 13.900 | 75 | 47 |
| TTT/4-630/H N | 1420 | 630 | 1,5 | 6,6 | 3,8 | 17.200 | 76 | 50 |
| TTT/4-710/L N | 1460 | 710 | 1,5 | 5,7 | 3,3 | 16.600 | 78 | 57 |
| TTT/4-710/G N | 1460 | 710 | 2,2 | 8,0 | 4,6 | 20.800 | 78 | 60 |
| TTT/4-710/H N | 1435 | 710 | 3 | - | 6,0 | 24.200 | 79 | 64 |
| TTT/4-800/L N | 1440 | 800 | 2,2 | 9,2 | 5,3 | 25.300 | 80 | 76 |
| TTT/4-800/G N | 1450 | 800 | 3 | - | 6,6 | 28.400 | 79 | 79 |
| TTT/4-800/H N | 1450 | 800 | 4 | - | 8,6 | 33.300 | 82 | 82 |
| TTT/4-900/L N | 1460 | 900 | 5,5 | - | 11,8 | 39.500 | 83 | 175 |
| TTT/4-900/H N | 1470 | 900 | 7,5 | - | 15,2 | 44.000 | 84 | 175 |
| TTT/4-1000/L N | 1470 | 1000 | 7,5 | - | 15,4 | 49.500 | 88 | 208 |
| TTT/4-1000/H N | 1450 | 1000 | 11 | - | 21,6 | 59.000 | 85 | 232 |

* Nivel de presión sonora en dB(A), medido en campo libre a una distancia equivalente a 3 veces el diámetro de la hélice, a un mínimo de 1,5 m, en el punto medio de la curva característica.

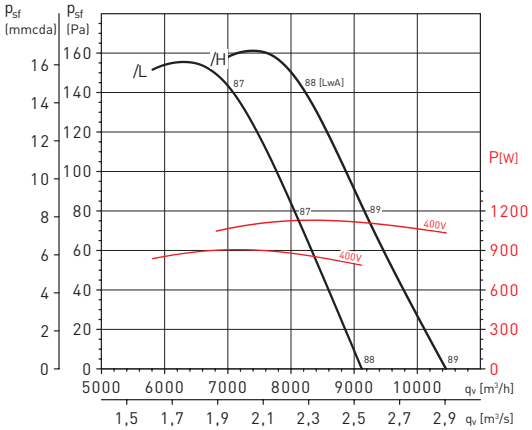
## CURVAS CARACTERÍSTICAS

- qv: Caudal en $m^3/h$ y $m^3/s$
- psf: Presión estática en mmcda y Pa
- Aire seco normal a 20°C y 760 mmHg
- Ensayos realizados de acuerdo a Norma ISO 5801 y AMCA 210-99
- LwA: Nivel de potencia sonora en la aspiración en dB(A)

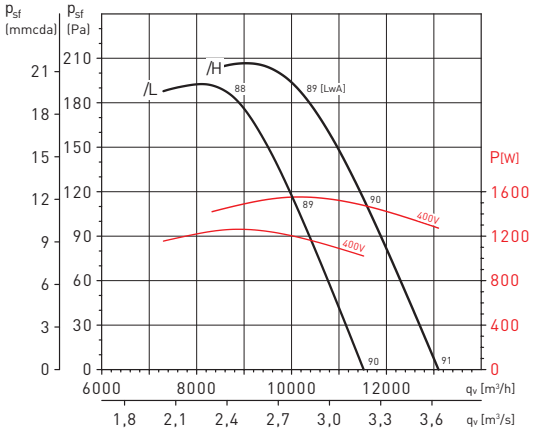
TTT/4-450 N



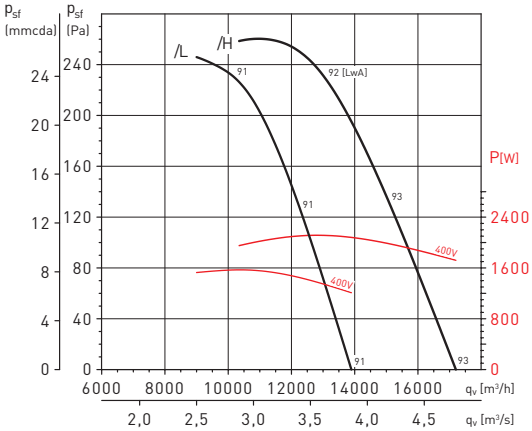

TTT/4-500 N



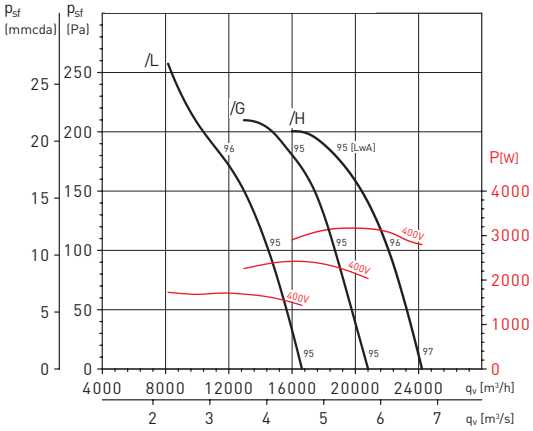

TTT/4-560 N



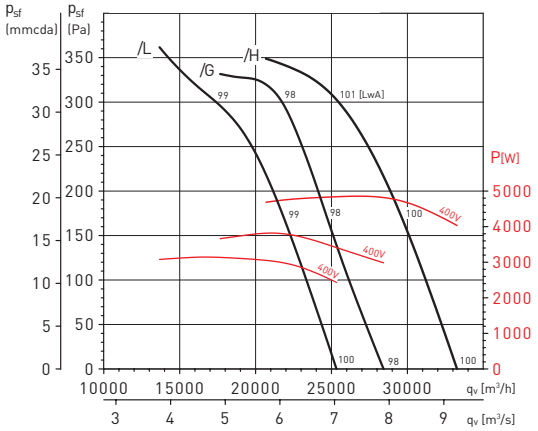

TTT/4-630 N



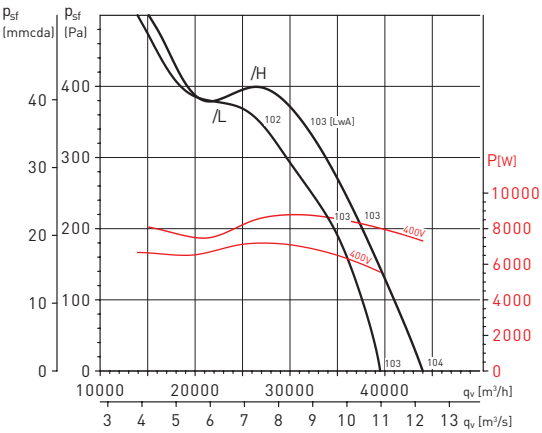

TTT/4-710 N



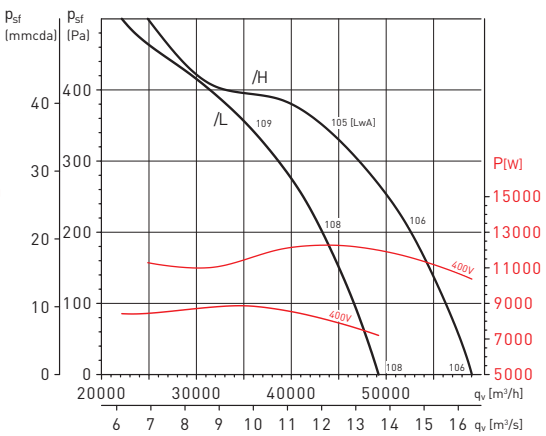

TTT/4-800 N



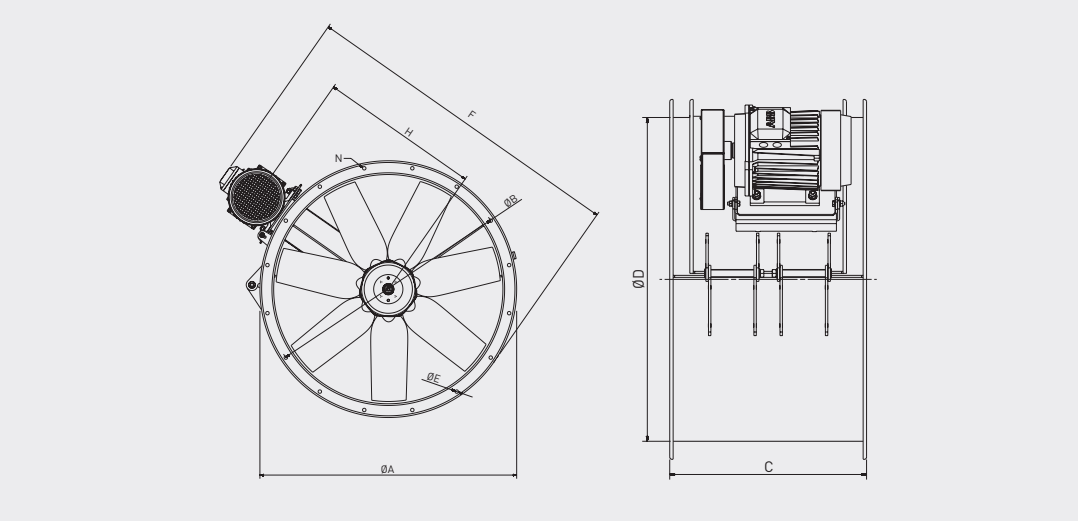

TTT/4-900 N




TTT/4-1000 N



## DIMENSIONES (mm)




| Modelo | ØA | ØB | C | ØD | ØE | F | H | Número taladros N |
|---|---|---|---|---|---|---|---|---|
| TTT/4-450N | 537 | 500 | 442 | 450 | 12 | 733 | 359 | 8 |
| TTT/4-500N | 595 | 560 | 450 | 500 | 12 | 790 | 383 | 12 |
| TTT/4-560N | 655 | 620 | 450 | 560 | 12 | 860 | 422 | 12 |
| TTT/4-630N | 725 | 690 | 450 | 630 | 12 | 943 | 459 | 12 |
| TTT/4-710N | 806 | 770 | 490 | 710 | 12 | 1046 | 507 | 16 |
| TTT/4-800N | 896 | 860 | 490 | 800 | 12 | 1145 | 560 | 16 |
| TTT/4-900N | 1005 | 970 | 600 | 900 | 15 | 1330 | 643 | 16 |
| TTT/4-1000N | 1105 | 1070 | 722 | 1000 | 15 | 1505 | 723 | 16 |

## ACESORIOS DE MONTAJE



| Modelo | Defensas (aspiración y descarga) | Bridas | Acoplamiento elástico | Pie soporte |
|---|---|---|---|---|
| TTT-450N | DEF-450 T | ARO BRIDA COMPACT-450 | ACOPEL F400-450/160 N | PIE-450 |
| TTT-500N | DEF-500 T | ARO BRIDA COMPACT-500 | ACOPEL F400-500/160 N | PIE-500 |
| TTT-560N | DEF-560 T | ARO BRIDA COMPACT-560 | ACOPEL F400-560/160 N | PIE-560 |
| TTT-630N | DEF-630 T | ARO BRIDA COMPACT-630 | ACOPEL F400-630/160 N | PIE-630 |
| TTT-710N | DEF-710 T ASPIRACIÓN | ARO BRIDA COMPACT-710 | ACOPEL F400-710/180 N | PIE-700/710 |
| TTT-800N | DEF-800 T ASPIRACIÓN | ARO BRIDA COMPACT-800 | ACOPEL F400-800/180 N | PIE-800 |
| TTT/4-900N | DEF.ASP.TGT/THGT-900 | ARO BRIDA TGT/THGT-900 N | ACOPEL F400-900/180 N | PIE SOP.TGT/THGT-900 |
| TTT/4-1000N | DEF.ASP.TGT/THGT-1000 | ARO BRIDA TGT/THGT-1000 N | ACOPEL F400-1000/180 N | PIE SOP.TGT/THGT-1000 |

# EF 9A

## VENTILADORES AXIALES

*TRANSMISIÓN*



Ventiladores helicoidales tubulares a transmisión, con motor fuera del flujo del aire. Camisa de chapa de acero Fe 360 B robusta con doble brida y puerta de inspección. Hélice y buje de aleación de aluminio, con palas variables, equilibrada dinámicamente. Se incluye protección para la transmisión. La pintura de la chapa se efectúa mediante tratamiento por cataforesis + pintura poliuretana. Temperatura de trabajo -20ºC/40ºC.



APLICACIONES

**Aire a transportar**
Polvoriento
(ambiente industrial)

**Cantidad de polvo (mg/m$^3$)**
<500

### Motores

Tensión de alimentación:
Trifásicos 230/400V-50Hz

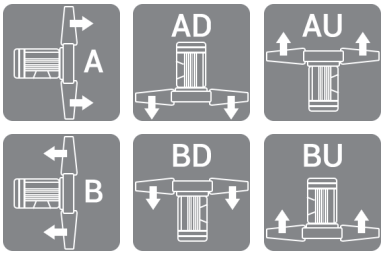
### Sistemas de montaje

- SISTEMA 9: acoplamiento a transmisión con el motor sostenido por la camisa.
- SISTEMA 12: acoplamiento a transmisión con el ventilador y el motor sostenidos por la bancada. Sólo disponible en versión con buje de acero.

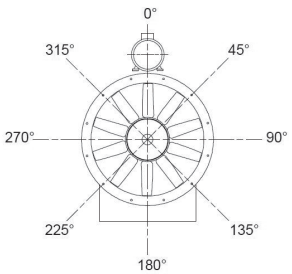
### Otros datos

- Sentido del aire Motor-Hélice (flujo A).
- Hélice-Motor (flujo B), bajo demanda
- Para tamaños superiores a 1000, se aplica galvanizado en caliente.
- A partir del diámetro 1601 al 2001, el buje es de acero.

TIPO DE FLUJO




ORIENTACIONES MOTOR



## CARACTERÍSTICAS TÉCNICAS

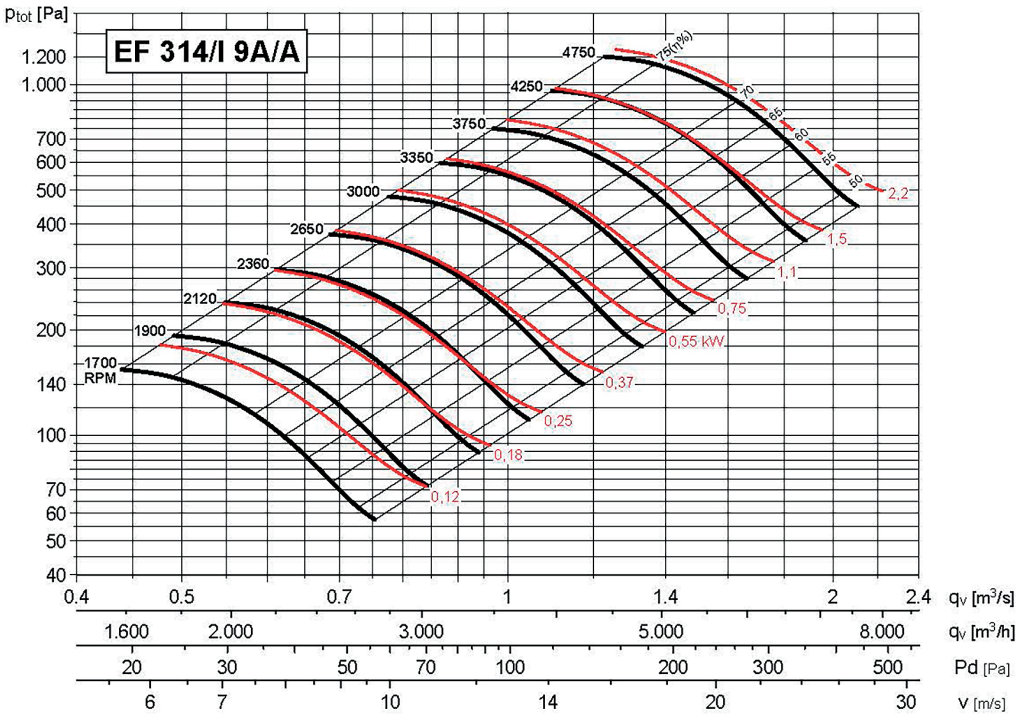
Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación

| Modelo | Caudal máximo ($m^3/h$) | Potencia máxima motor (kW) | Momento de inercia ($kg \cdot m^2$)(1) |
|---|---|---|---|
| EF 314/I 9A/A | 7.590 | 2,2 | 0,015 |
| EF 354/H 9A/A | 9.240 | 3,0 | 0,020 |
| EF 404/G 9A/A | 12.310 | 4,0 | 0,030 |
| EF 454/H 9A/A | 14.790 | 4,0 | 0,060 |
| EF 504/G 9A/A | 19.240 | 5,5 | 0,100 |
| EF 564/H 9A/A | 22.560 | 7,5 | 0,220 |
| EF 634/G 9A/A | 30.560 | 9,2 | 0,300 |
| EF 714/H 9A/A | 37.210 | 11,0 | 0,620 |
| EF 804/G 9A/A | 51.110 | 15,0 | 0,750 |
| EF 904/I 9A/A | 63.500 | 18,5 | 1,320 |
| EF 1004/H 9A/A | 73.360 | 22,0 | 1,870 |
| EF 1124/G 9A/A | 94.340 | 30,0 | 2,650 |
| EF 1255/F 9A/A | 108.000 | 30,0 | 3,500 |
| EF 1406/E 9A/A | 128.180 | 30,0 | 4,500 |
| EF 1604/H 9A/A | 254.880 | 90,0 | 10,250 |
| EF 1804/H 9A/A | 325.630 | 110,0 | 19,500 |
| EF 2004/H 9A/A | 403.250 | 132,0 | 27,500 |

1 Momento de inercia de la hélice

## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**

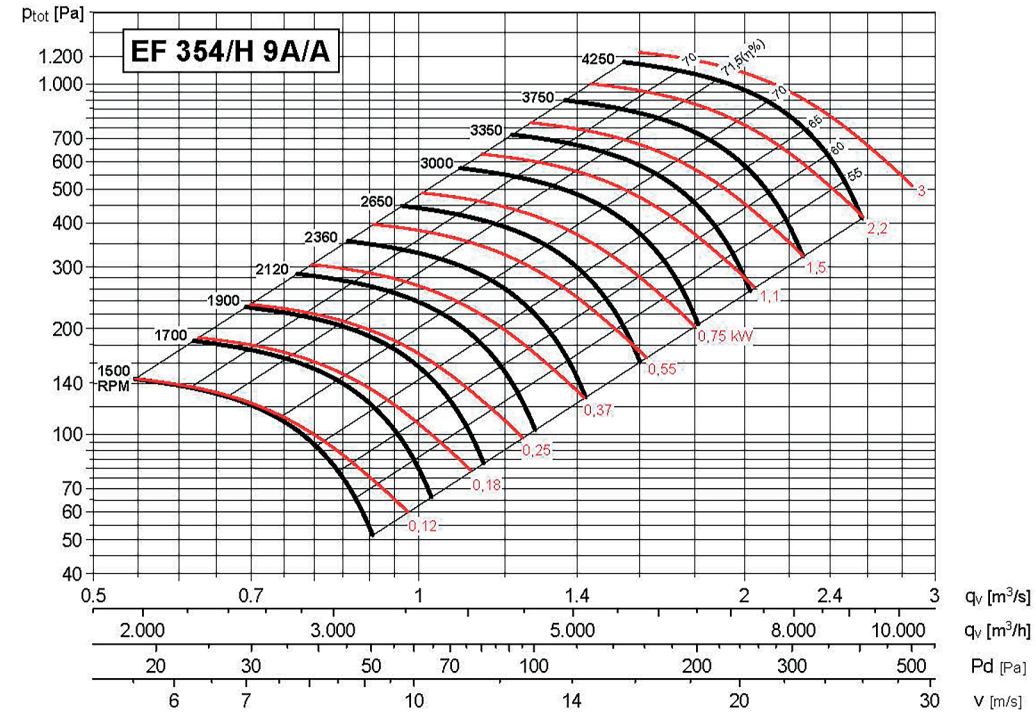



MAX. RPM

≤ 40°C = 4750 rpm
41 ÷ 60°C = 4250 rpm

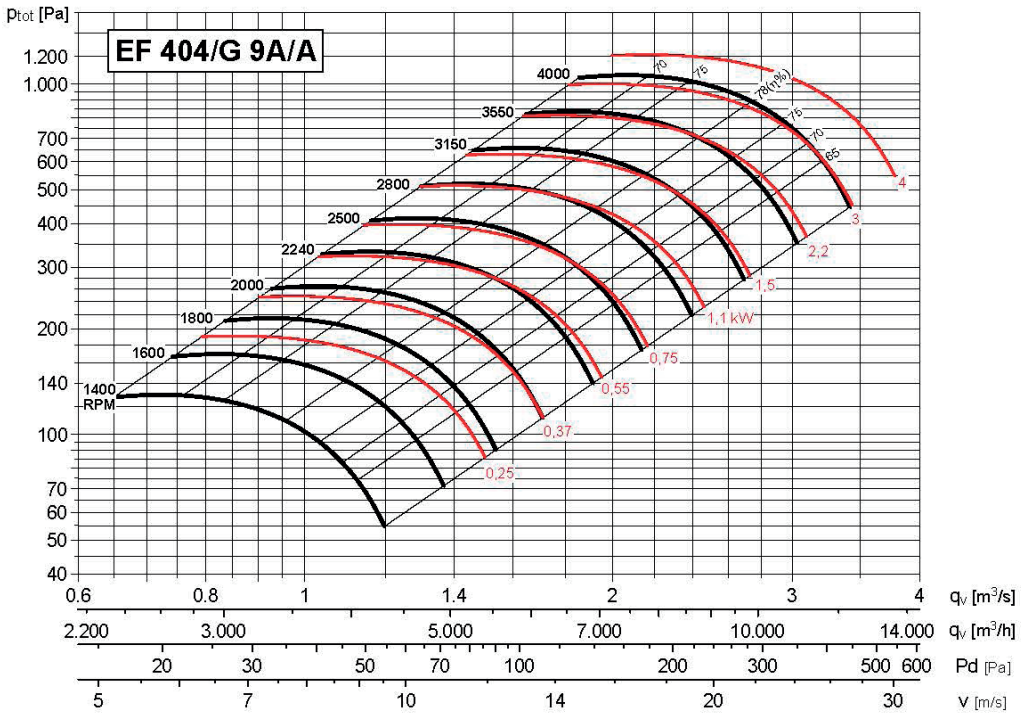
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 40°C = 4250 rpm
41 ÷ 60°C = 3750 rpm

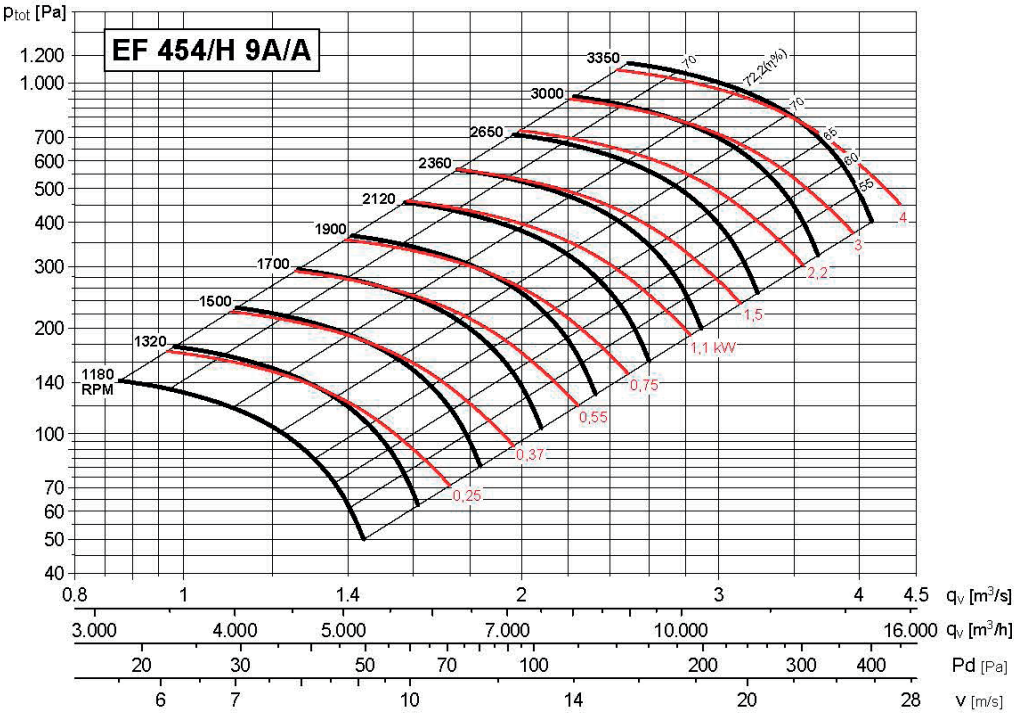



MAX. RPM

≤ 40°C = 4000 rpm
41 ÷ 60°C = 3550 rpm

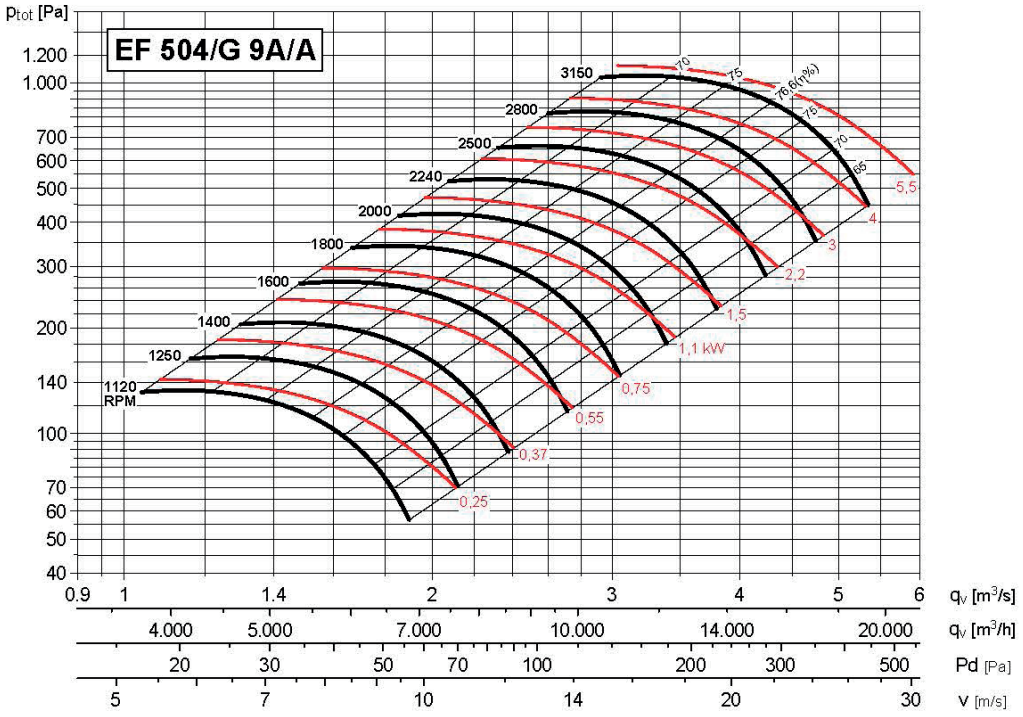
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 40°C = 3350 rpm
41 ÷ 60°C = 3000 rpm

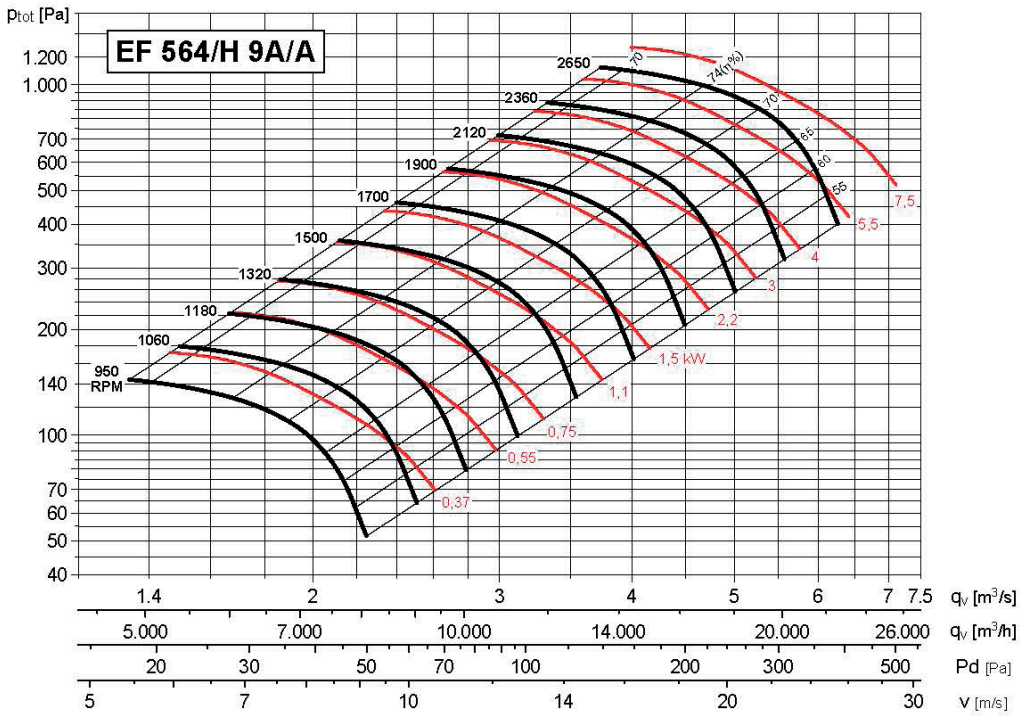



MAX. RPM

≤ 40°C = 3150 rpm
41 ÷ 60°C = 2800 rpm

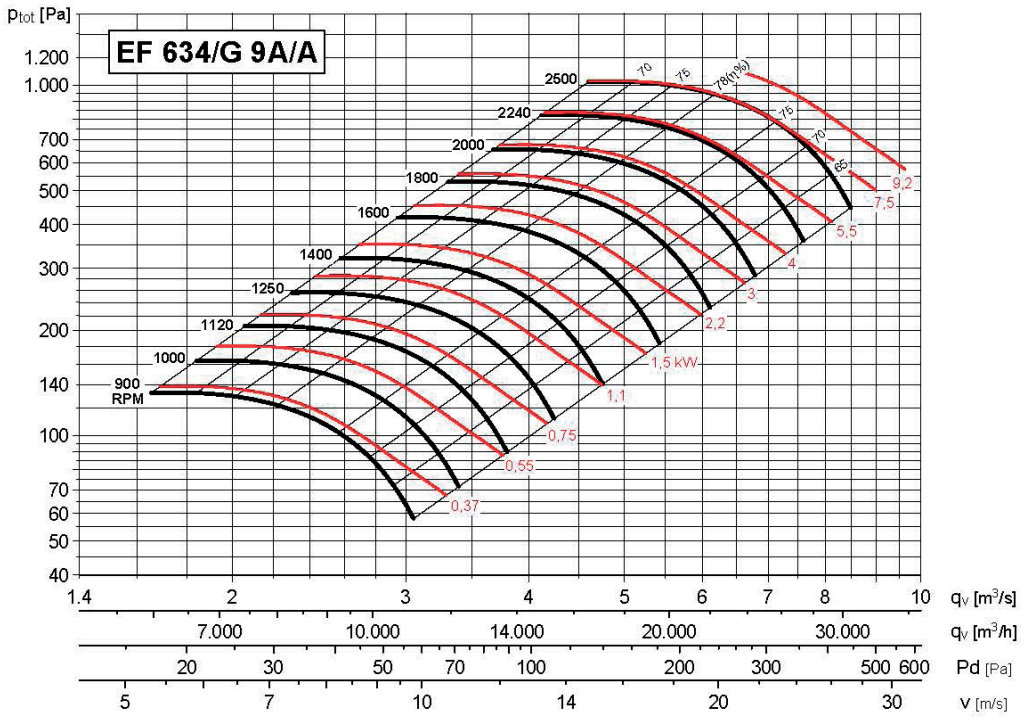
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 40°C = 2650 rpm
41 ÷ 60°C = 2360 rpm

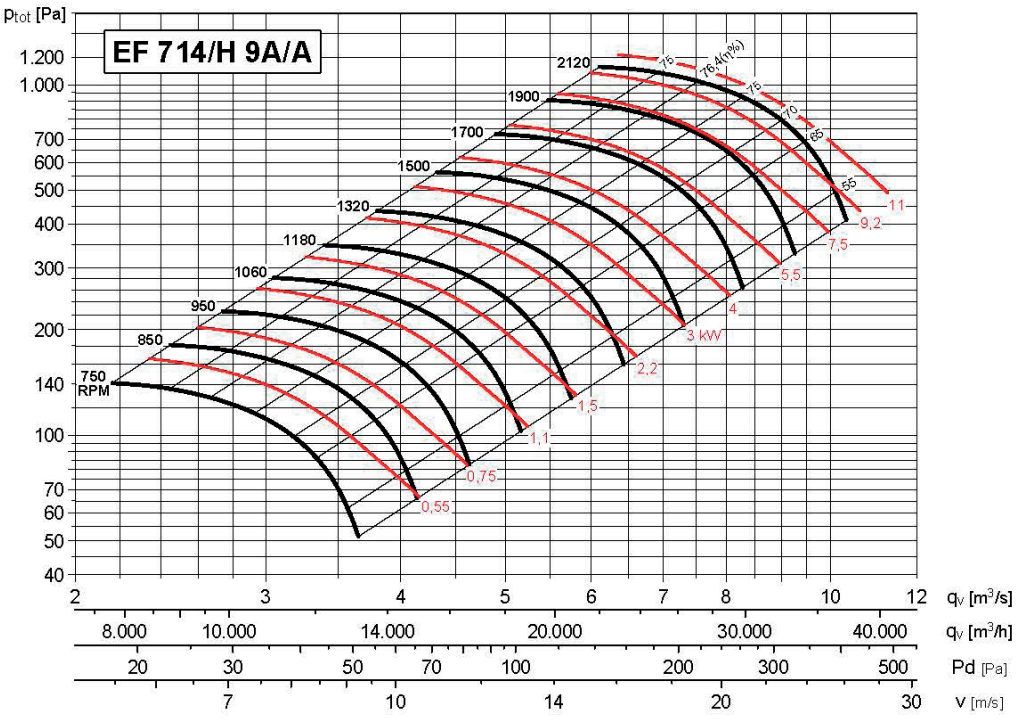



MAX. RPM

≤ 40°C = 2500 rpm
41 ÷ 60°C = 2240 rpm

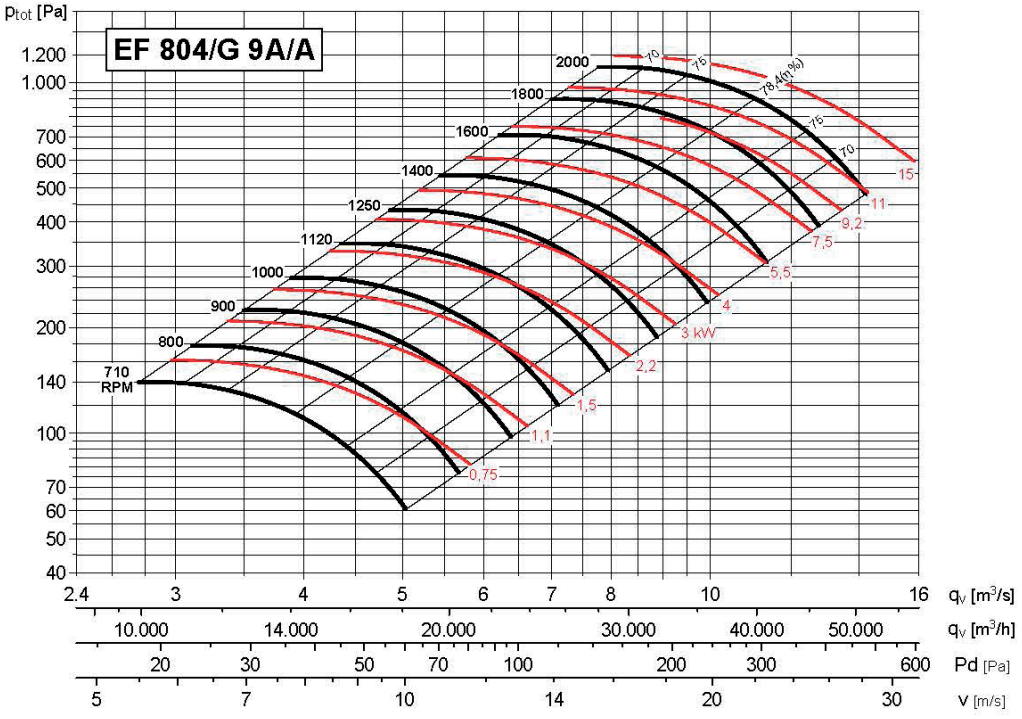
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

⩽ 40°C = 2120 rpm
41 ÷ 60°C = 1900 rpm

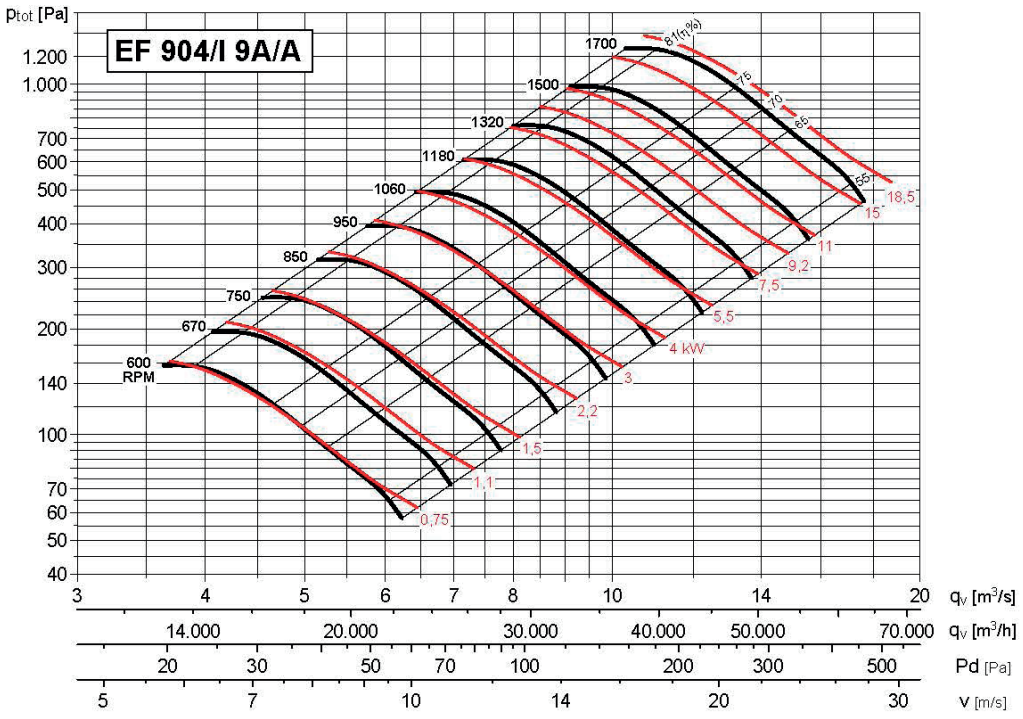



MAX. RPM

⩽ 40°C = 2000 rpm
41 ÷ 60°C = 1800 rpm

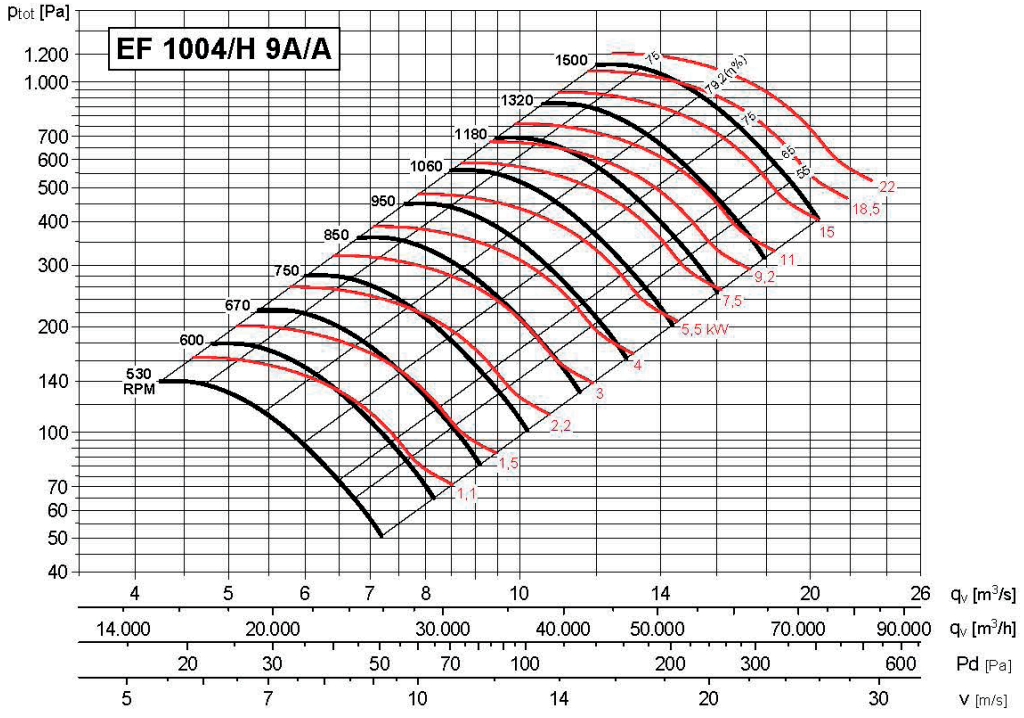
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 40°C = 1700 rpm
41 ÷ 60°C = 1500 rpm

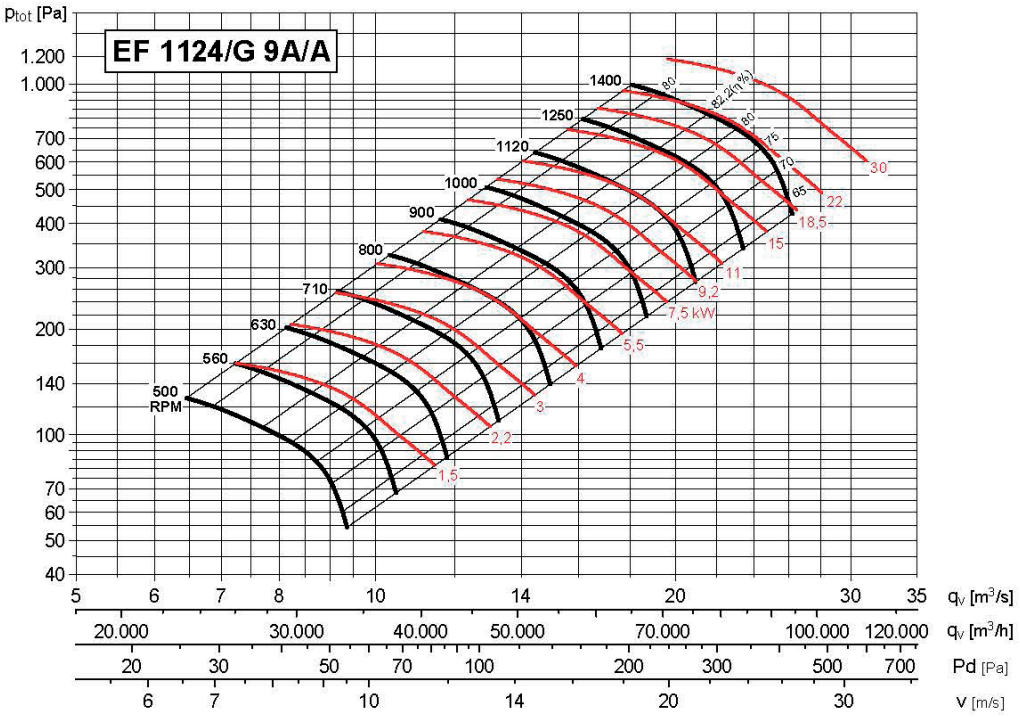



MAX. RPM

≤ 40°C = 1500 rpm
41 ÷ 60°C = 1320 rpm

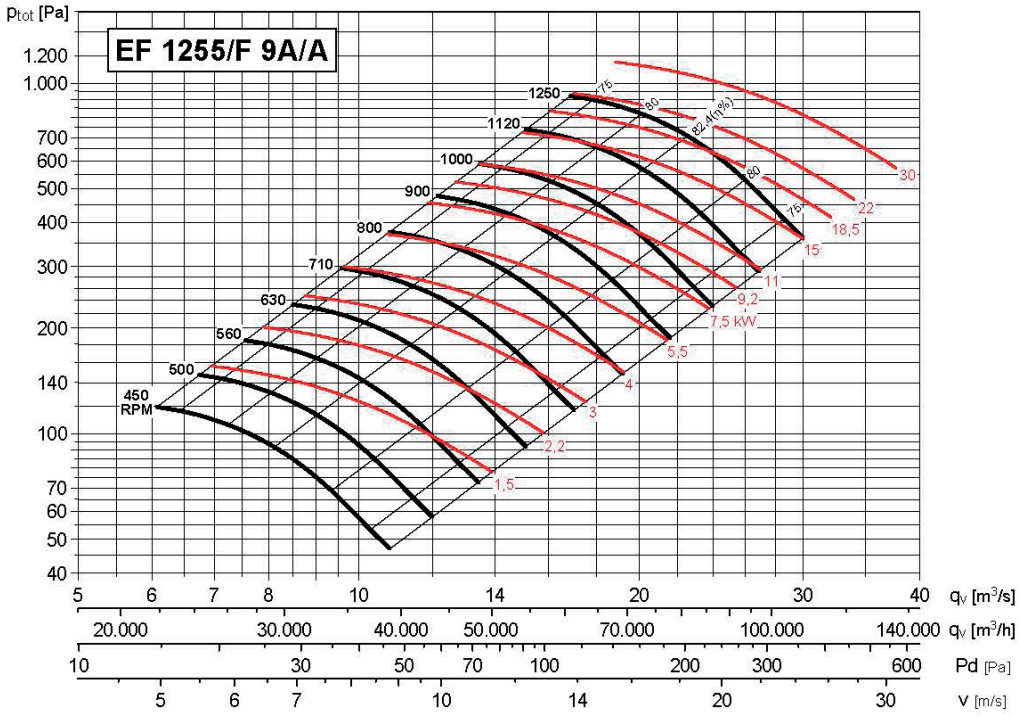
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 40°C = 1400 rpm
41 ÷ 60°C = 1250 rpm

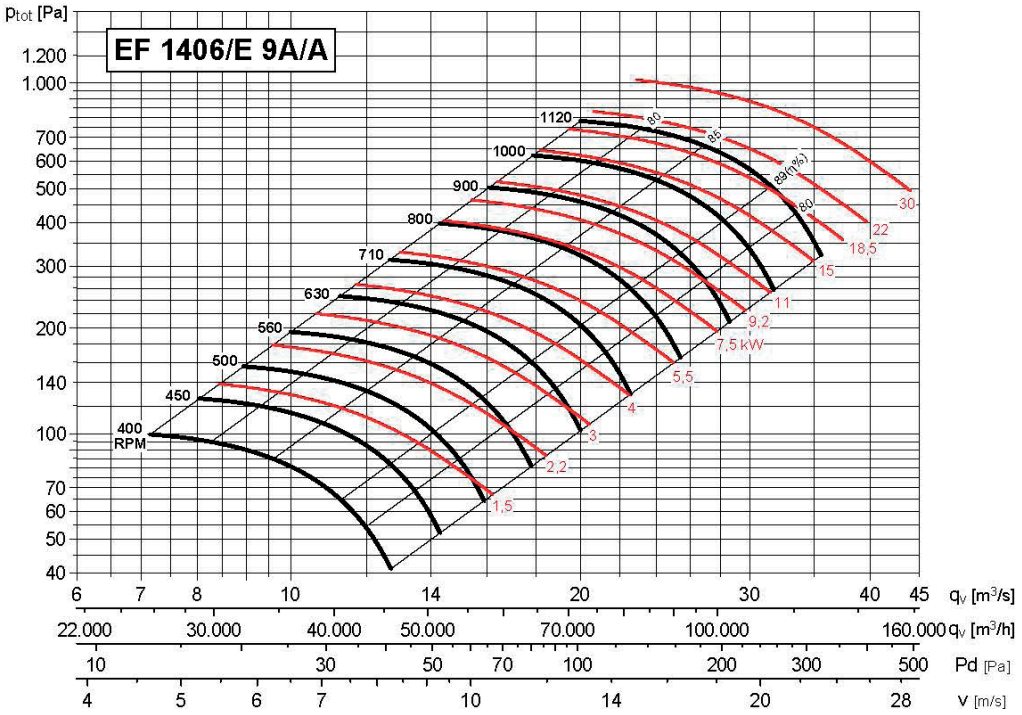



MAX. RPM

≤ 40°C = 1250 rpm
41 ÷ 60°C = 1120 rpm

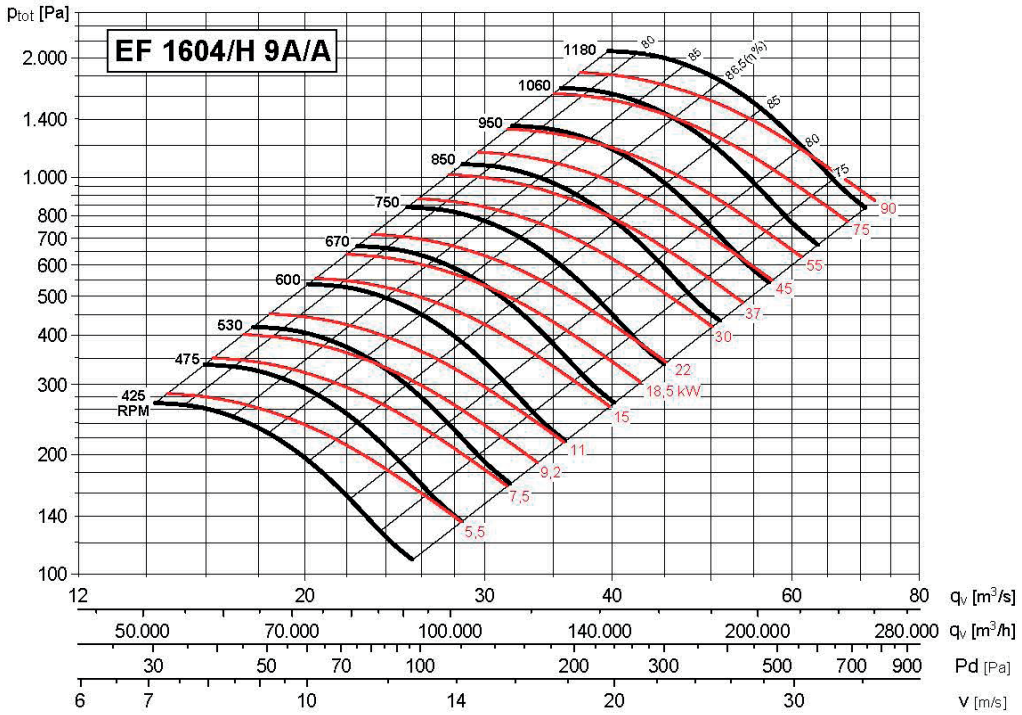
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 40°C = 1120 rpm
41 ÷ 60°C = 1060 rpm

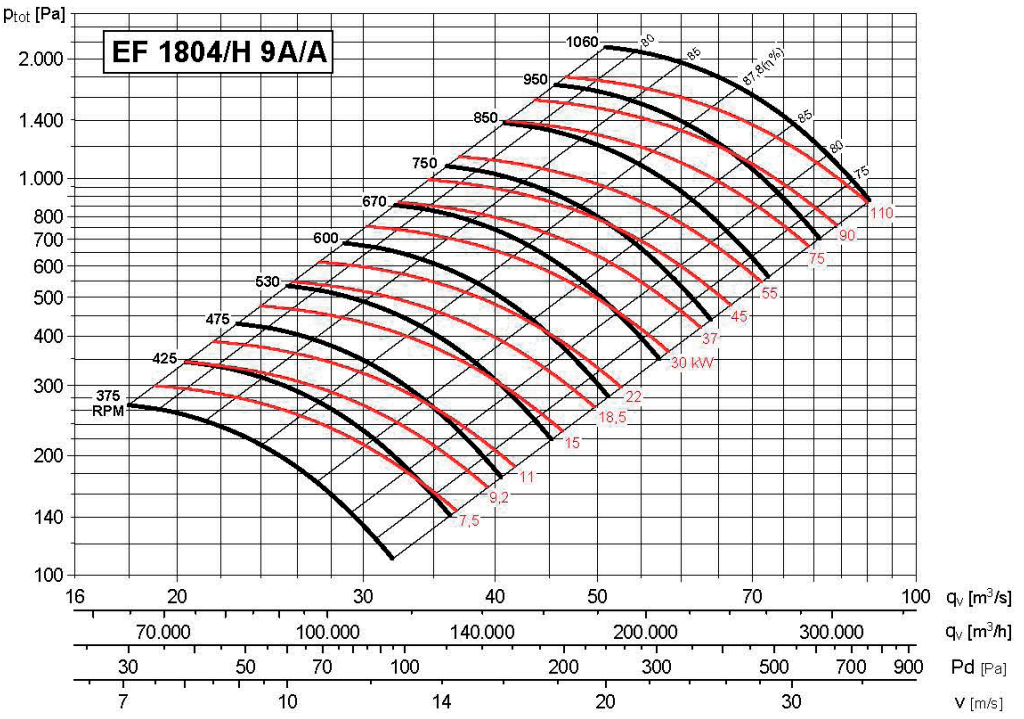



MAX. RPM

≤ 40°C = 1180 rpm
41 ÷ 60°C = 1060 rpm

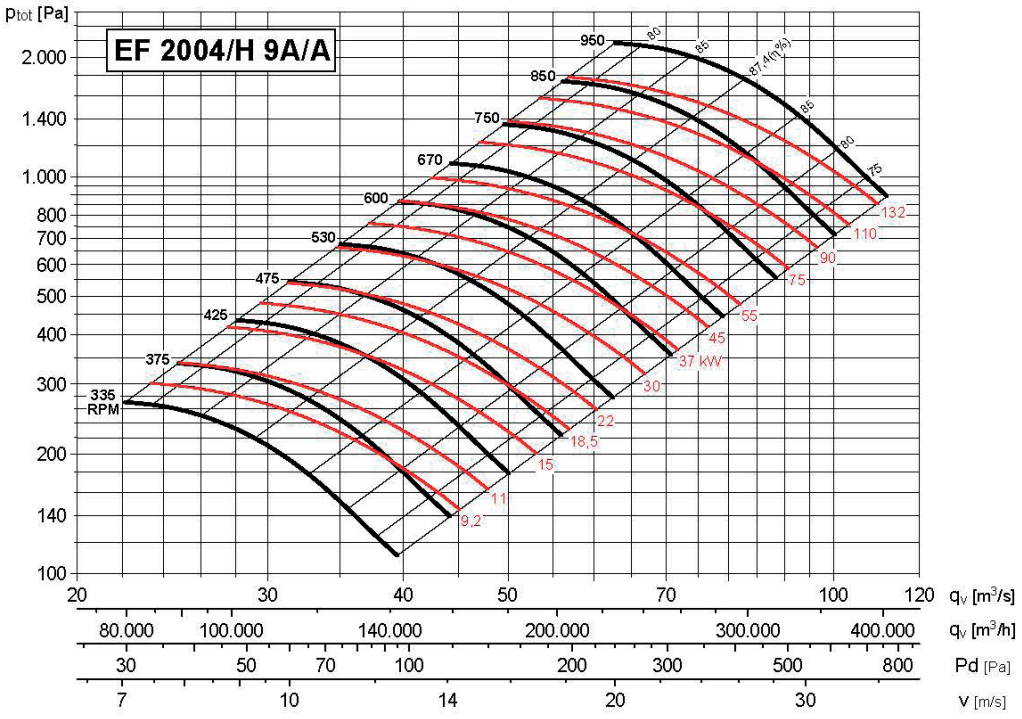
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 40°C = 1060 rpm
41 ÷ 60°C = 950 rpm

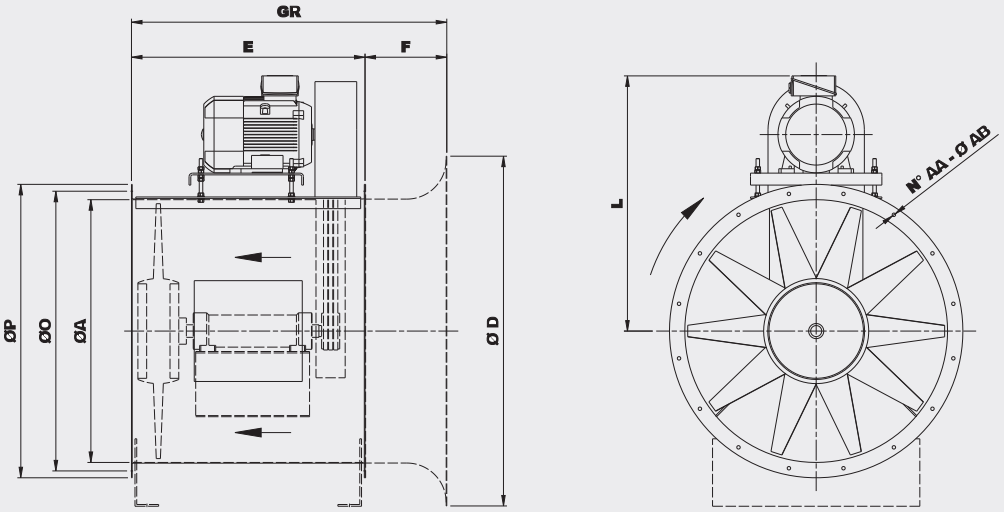



MAX. RPM

≤ 40°C = 950 rpm
41 ÷ 60°C = 850 rpm

## DIMENSIONES (mm)

EJECUCIÓN B
Con rodete de refrigeración, contactar con oficina técnica.




| Modelo | Motor GR | ØA | ØO | ØP | ØD | E | F | GR | L* | NºAA | ØAB | kg |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EF 314/I 9A/A | 71A2 | 315 | 366 | 400 | 464 | 475 | 160 | 635 | 380 | 8 | 10 | 21 |
| EF 314/I 9A/A | 71A4 | 315 | 366 | 400 | 464 | 475 | 160 | 635 | 380 | 8 | 10 | 21 |
| EF 314/I 9A/A | 71B2 | 315 | 366 | 400 | 464 | 475 | 160 | 635 | 380 | 8 | 10 | 23 |
| EF 314/I 9A/A | 80A2 | 315 | 366 | 400 | 464 | 475 | 160 | 635 | 400 | 8 | 10 | 21 |
| EF 314/I 9A/A | 80B2 | 315 | 366 | 400 | 464 | 475 | 160 | 635 | 400 | 8 | 10 | 23 |
| EF 314/I 9A/A | 90S2 | 315 | 366 | 400 | 464 | 475 | 160 | 635 | 440 | 8 | 10 | 19 |
| EF 354/H 9A/A | 71B4 | 355 | 405 | 440 | 513 | 475 | 170 | 645 | 400 | 8 | 10 | 24 |
| EF 354/H 9A/A | 80A2 | 355 | 405 | 440 | 513 | 475 | 170 | 645 | 420 | 8 | 10 | 24 |
| EF 354/H 9A/A | 80A4 | 355 | 405 | 440 | 513 | 475 | 170 | 645 | 400 | 8 | 10 | 23 |
| EF 354/H 9A/A | 80B2 | 355 | 405 | 440 | 513 | 475 | 170 | 645 | 420 | 8 | 10 | 25 |
| EF 354/H 9A/A | 90L2 | 355 | 405 | 440 | 513 | 475 | 170 | 645 | 460 | 8 | 10 | 24 |
| EF 354/H 9A/A | 90S2 | 355 | 405 | 440 | 513 | 475 | 170 | 645 | 460 | 8 | 10 | 21 |
| EF 404/G 9A/A | 71B4 | 400 | 448 | 485 | 567 | 475 | 180 | 655 | 445 | 12 | 10 | 27 |
| EF 404/G 9A/A | 80A2 | 400 | 448 | 485 | 567 | 475 | 180 | 655 | 445 | 12 | 10 | 26 |
| EF 404/G 9A/A | 80A4 | 400 | 448 | 485 | 567 | 475 | 180 | 655 | 445 | 12 | 10 | 26 |
| EF 404/G 9A/A | 80B2 | 400 | 448 | 485 | 567 | 475 | 180 | 655 | 445 | 12 | 10 | 28 |
| EF 404/G 9A/A | 90L2 | 400 | 448 | 485 | 567 | 475 | 180 | 655 | 485 | 12 | 10 | 27 |
| EF 404/G 9A/A | 90S2 | 400 | 448 | 485 | 567 | 475 | 180 | 655 | 485 | 12 | 10 | 24 |
| EF 454/H 9A/A | 100LA2 | 450 | 497 | 535 | 639 | 475 | 190 | 665 | 530 | 12 | 10 | 29 |
| EF 454/H 9A/A | 112M2 | 450 | 497 | 535 | 639 | 475 | 190 | 665 | 540 | 12 | 10 | 25 |
| EF 454/H 9A/A | 80B4 | 450 | 497 | 535 | 639 | 475 | 190 | 665 | 470 | 12 | 10 | 34 |
| EF 454/H 9A/A | 90L2 | 450 | 497 | 535 | 639 | 475 | 190 | 665 | 510 | 12 | 10 | 33 |
| EF 454/H 9A/A | 90S2 | 450 | 497 | 535 | 639 | 475 | 190 | 665 | 510 | 12 | 10 | 30 |
| EF 454/H 9A/A | 90S4 | 450 | 497 | 535 | 639 | 475 | 190 | 665 | 510 | 12 | 10 | 29 |
| EF 504/G 9A/A | 100LA2 | 500 | 551 | 585 | 700 | 560 | 200 | 760 | 560 | 12 | 10 | 46 |
| EF 504/G 9A/A | 112M2 | 500 | 551 | 585 | 700 | 560 | 200 | 760 | 470 | 12 | 10 | 42 |
| EF 504/G 9A/A | 80B4 | 500 | 551 | 585 | 700 | 560 | 200 | 760 | 500 | 12 | 10 | 50 |
| EF 504/G 9A/A | 90L2 | 500 | 551 | 585 | 700 | 560 | 200 | 760 | 540 | 12 | 10 | 50 |
| EF 504/G 9A/A | 90S2 | 500 | 551 | 585 | 700 | 560 | 200 | 760 | 540 | 12 | 10 | 47 |
| EF 504/G 9A/A | 90S4 | 500 | 551 | 585 | 700 | 560 | 200 | 760 | 540 | 12 | 10 | 45 |
| EF 564/H 9A/A | 100LA2 | 560 | 629 | 665 | 785 | 560 | 212 | 772 | 590 | 12 | 10 | 54 |
| EF 564/H 9A/A | 100LA4 | 560 | 629 | 665 | 785 | 560 | 212 | 772 | 590 | 12 | 10 | 55 |
| EF 564/H 9A/A | 112M2 | 560 | 629 | 665 | 785 | 560 | 212 | 772 | 600 | 12 | 10 | 50 |
| EF 564/H 9A/A | 132SA2 | 560 | 629 | 665 | 785 | 560 | 212 | 772 | 650 | 12 | 10 | 55 |
| EF 564/H 9A/A | 90L4 | 560 | 629 | 665 | 785 | 560 | 212 | 772 | 570 | 12 | 10 | 56 |
| EF 564/H 9A/A | 90S4 | 560 | 629 | 665 | 785 | 560 | 212 | 772 | 570 | 12 | 10 | 53 |
| EF 634/G 9A/A | 100LA4 | 630 | 698 | 735 | 871 | 710 | 212 | 922 | 630 | 12 | 10 | 80 |
| EF 634/G 9A/A | 100LB4 | 630 | 698 | 735 | 871 | 710 | 212 | 922 | 630 | 12 | 10 | 82 |

* Según tamaño motor

| Modelo | Motor GR | ØA | ØO | ØP | ØD | E | F | GR | L* | NºAA | ØAB | kg |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EF 634/G 9A/A | 112M4 | 630 | 698 | 735 | 871 | 710 | 212 | 922 | 640 | 12 | 10 | 76 |
| EF 634/G 9A/A | 132SA4 | 630 | 698 | 735 | 871 | 710 | 212 | 922 | 680 | 12 | 10 | 82 |
| EF 634/G 9A/A | 90L4 | 630 | 698 | 735 | 871 | 710 | 212 | 922 | 610 | 12 | 10 | 81 |
| EF 634/G 9A/A | 90S4 | 630 | 698 | 735 | 871 | 710 | 212 | 922 | 610 | 12 | 10 | 78 |
| EF 714/H 9A/A | 100LA4 | 710 | 775 | 815 | 968 | 710 | 224 | 934 | 670 | 16 | 12 | 97 |
| EF 714/H 9A/A | 100LB4 | 710 | 775 | 815 | 968 | 710 | 224 | 934 | 670 | 16 | 12 | 99 |
| EF 714/H 9A/A | 112M4 | 710 | 775 | 815 | 968 | 710 | 224 | 934 | 680 | 16 | 12 | 93 |
| EF 714/H 9A/A | 132MA4 | 710 | 775 | 815 | 968 | 710 | 224 | 934 | 725 | 16 | 12 | 110 |
| EF 714/H 9A/A | 132SA4 | 710 | 775 | 815 | 968 | 710 | 224 | 934 | 725 | 16 | 12 | 99 |
| EF 714/H 9A/A | 90L4 | 710 | 775 | 815 | 968 | 710 | 224 | 934 | 650 | 16 | 12 | 99 |
| EF 804/G 9A/A | 100LA4 | 800 | 861 | 905 | 1077 | 750 | 250 | 1010 | 720 | 16 | 12 | 127 |
| EF 804/G 9A/A | 100LB4 | 800 | 861 | 905 | 1077 | 750 | 250 | 1010 | 720 | 16 | 12 | 129 |
| EF 804/G 9A/A | 112M4 | 800 | 861 | 905 | 1077 | 750 | 250 | 1010 | 730 | 16 | 12 | 123 |
| EF 804/G 9A/A | 132MA4 | 800 | 861 | 905 | 1077 | 750 | 250 | 1010 | 775 | 16 | 12 | 140 |
| EF 804/G 9A/A | 132SA4 | 800 | 861 | 905 | 1077 | 750 | 250 | 1010 | 775 | 16 | 12 | 129 |
| EF 804/G 9A/A | 90L4 | 800 | 861 | 905 | 1077 | 750 | 250 | 1010 | 700 | 16 | 12 | 129 |
| EF 904/I 9A/A | 100LB4 | 900 | 958 | 1005 | 1190 | 800 | 280 | 1080 | 770 | 16 | 12 | 153 |
| EF 904/I 9A/A | 112M4 | 900 | 958 | 1005 | 1190 | 800 | 280 | 1080 | 780 | 16 | 12 | 147 |
| EF 904/I 9A/A | 132MA4 | 900 | 958 | 1005 | 1190 | 800 | 280 | 1080 | 825 | 16 | 12 | 164 |
| EF 904/I 9A/A | 132MB4 | 900 | 958 | 1005 | 1190 | 800 | 280 | 1080 | 875 | 16 | 12 | 174 |
| EF 904/I 9A/A | 132SA4 | 900 | 958 | 1005 | 1190 | 800 | 280 | 1080 | 825 | 16 | 12 | 153 |
| EF 904/I 9A/A | 160M4 | 900 | 958 | 1005 | 1190 | 800 | 280 | 1080 | 875 | 16 | 12 | 141 |
| EF 1004/H 9A/A | 100LB4 | 1000 | 1067 | 1107 | 1330 | 900 | 280 | 1180 | 830 | 24 | 12 | 191 |
| EF 1004/H 9A/A | 112M4 | 1000 | 1067 | 1107 | 1330 | 900 | 280 | 1180 | 840 | 24 | 12 | 185 |
| EF 1004/H 9A/A | 132MA4 | 1000 | 1067 | 1107 | 1330 | 900 | 280 | 1180 | 885 | 24 | 12 | 202 |
| EF 1004/H 9A/A | 132SA4 | 1000 | 1067 | 1107 | 1330 | 900 | 280 | 1180 | 885 | 24 | 12 | 191 |
| EF 1004/H 9A/A | 160L4 | 1000 | 1067 | 1107 | 1330 | 900 | 280 | 1180 | 935 | 24 | 12 | 196 |
| EF 1004/H 9A/A | 160MA4 | 1000 | 1067 | 1107 | 1330 | 900 | 280 | 1180 | 935 | 24 | 12 | 179 |
| EF 1124/G 9A/A | 112M4 | 1120 | 1200 | 1248 | 1490 | 900 | 315 | 1215 | 910 | 24 | 12 | 238 |
| EF 1124/G 9A/A | 132MA4 | 1120 | 1200 | 1248 | 1490 | 900 | 315 | 1215 | 955 | 24 | 12 | 255 |
| EF 1124/G 9A/A | 132SA4 | 1120 | 1200 | 1248 | 1490 | 900 | 315 | 1215 | 955 | 24 | 12 | 244 |
| EF 1124/G 9A/A | 160L4 | 1120 | 1200 | 1248 | 1490 | 900 | 315 | 1215 | 1010 | 24 | 12 | 249 |
| EF 1124/G 9A/A | 160M4 | 1120 | 1200 | 1248 | 1490 | 900 | 315 | 1215 | 1010 | 24 | 12 | 232 |
| EF 1124/G 9A/A | 180M4 | 1120 | 1200 | 1248 | 1490 | 900 | 315 | 1215 | 1070 | 24 | 12 | 286 |
| EF 1255/F 9A/A | 112M4 | 1250 | 1337 | 1380 | 1670 | 1000 | 355 | 1355 | 1040 | 24 | 12 | 305 |
| EF 1255/F 9A/A | 132MA4 | 1250 | 1337 | 1380 | 1670 | 1000 | 355 | 1355 | 1070 | 24 | 12 | 322 |
| EF 1255/F 9A/A | 132SA4 | 1250 | 1337 | 1380 | 1670 | 1000 | 355 | 1355 | 1040 | 24 | 12 | 311 |
| EF 1255/F 9A/A | 160L4 | 1250 | 1337 | 1380 | 1670 | 1000 | 355 | 1355 | 1090 | 24 | 12 | 316 |
| EF 1255/F 9A/A | 160M4 | 1250 | 1337 | 1380 | 1670 | 1000 | 355 | 1355 | 1090 | 24 | 12 | 299 |
| EF 1255/F 9A/A | 180L4 | 1250 | 1337 | 1380 | 1670 | 1000 | 355 | 1355 | 1140 | 24 | 12 | 353 |
| EF 1255/F 9A/A | 180M4 | 1250 | 1337 | 1380 | 1670 | 1000 | 355 | 1355 | 1140 | 24 | 12 | 353 |
| EF 1406/E 9A/A | 132M4 | 1400 | 1491 | 1540 | 1870 | 950 | 400 | 1350 | 1180 | 32 | 12 | 390 |
| EF 1406/E 9A/A | 132SA4 | 1400 | 1491 | 1540 | 1870 | 950 | 400 | 1350 | 1130 | 32 | 12 | 379 |
| EF 1406/E 9A/A | 160L4 | 1400 | 1491 | 1540 | 1870 | 950 | 400 | 1350 | 1220 | 32 | 12 | 384 |
| EF 1406/E 9A/A | 160M4 | 1400 | 1491 | 1540 | 1870 | 950 | 400 | 1350 | 1180 | 32 | 12 | 367 |
| EF 1406/E 9A/A | 180L4 | 1400 | 1491 | 1540 | 1870 | 950 | 400 | 1350 | 1220 | 32 | 12 | 436 |
| EF 1406/E 9A/A | 180M4 | 1400 | 1491 | 1540 | 1870 | 950 | 400 | 1350 | 1220 | 32 | 12 | 421 |
| EF 1604/H 9A/A | 160L6 | 1600 | 1663 | 1730 | 2090 | 1180 | 450 | 1570 | 1290 | 32 | 14 | 541 |
| EF 1604/H 9A/A | 180L6 | 1600 | 1663 | 1730 | 2090 | 1180 | 450 | 1570 | 1290 | 32 | 14 | 542 |
| EF 1604/H 9A/A | 200L6 | 1600 | 1663 | 1730 | 2090 | 1180 | 450 | 1570 | 1380 | 32 | 14 | 585 |
| EF 1604/H 9A/A | 200LR6 | 1600 | 1663 | 1730 | 2090 | 1180 | 450 | 1570 | 1330 | 32 | 14 | 565 |
| EF 1604/H 9A/A | 225S4 | 1600 | 1663 | 1730 | 2090 | 1180 | 450 | 1570 | 1400 | 32 | 14 | 485 |
| EF 1804/H 9A/A | 160L6 | 1800 | 1856 | 1930 | 2320 | 1250 | 500 | 1750 | 1400 | 32 | 14 | 824 |
| EF 1804/H 9A/A | 180L6 | 1800 | 1856 | 1930 | 2320 | 1250 | 500 | 1750 | 1440 | 32 | 14 | 804 |
| EF 1804/H 9A/A | 200LR6 | 1800 | 1856 | 1930 | 2320 | 1250 | 500 | 1750 | 1490 | 32 | 14 | 845 |
| EF 1804/H 9A/A | 225M6 | 1800 | 1856 | 1930 | 2320 | 1250 | 500 | 1750 | 1510 | 32 | 14 | 775 |
| EF 1804/H 9A/A | 250M6 | 1800 | 1856 | 1930 | 2320 | 1250 | 500 | 1750 | 1590 | 32 | 14 | 740 |
| EF 2004/H 9A/A | 180L6 | 2000 | 2073 | 2130 | 2580 | 1320 | 560 | 1960 | 1550 | 32 | 14 | 904 |
| EF 2004/H 9A/A | 200L6 | 2000 | 2073 | 2130 | 2580 | 1320 | 560 | 1960 | 1600 | 32 | 14 | 965 |
| EF 2004/H 9A/A | 200LR6 | 2000 | 2073 | 2130 | 2580 | 1320 | 560 | 1960 | 1600 | 32 | 14 | 950 |
| EF 2004/H 9A/A | 250M6 | 2000 | 2073 | 2130 | 2580 | 1320 | 560 | 1960 | 1700 | 32 | 14 | 835 |

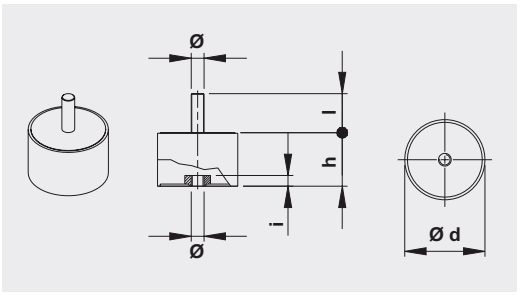
* Según tamaño motor

## AMORTIGUADORES

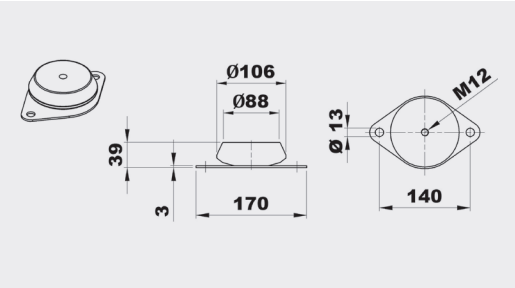
Amortiguadores recomendados

| Ventilador | Ejecución 9 |
|---|---|
| 315/I | 4 x AM 25 - 25x20 |
| 355/H | 4 x AM 25 - 25x20 |
| 400/G | 4 x AM 25 - 25x20 |
| 450/H | 4 x AM 25 - 25x20 |
| 500/G | 4 x AM 30 - 30x30 |
| 560/H | 4 x AM 30 - 30x30 |
| 630/G | 4 x AM 40 - 40x30 |
| 710/H | 4 x AM 40 - 40x30 |
| 800/G | 4 x AM 40 - 40x30 |
| 900/I | 4 x AM 50 - 50x40 |
| 1000/H | 4 x AM 50 - 50x40 |
| 1120/G | 4 x AM 75 - 75x50 |
| 1250/F | 4 x AM 75 - 75x50 |
| 1400/E | 4 x AM 75 - 75x50 |
| 1600/H* | 4 x AZ 39 - 140x39 |

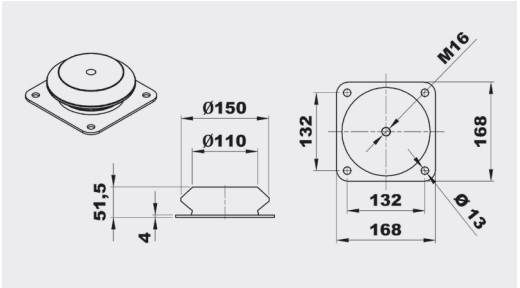
* Versiones con buje de acero




| Tipo | Carga para 4 soportes (kg) | d | h | Ø | l | Peso (kg) |
|---|---|---|---|---|---|---|
| AM 25 | 41÷80 | 25 | 20 | M6 | 18 | 0,03 |
| AM 30 | 81÷140 | 30 | 30 | M8 | 20 | 0,05 |
| AM 40 | 141÷224 | 40 | 30 | M8 | 23 | 0,10 |
| AM 50 | 225÷315 | 50 | 40 | M10 | 28 | 0,20 |
| AM 75 | 316÷630 | 75 | 50 | M12 | 37 | 0,50 |

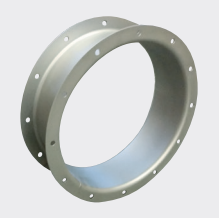



| Tipo | Carga para 4 soportes (kg) | Peso (kg) |
|---|---|---|
| AZ 39 | 631÷1250 | 0,7 |

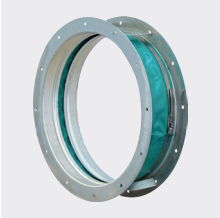



| Tipo | Carga para 4 soportes (kg) | Peso (kg) |
|---|---|---|
| AZ 51 | 1251÷2500 | 1,8 |

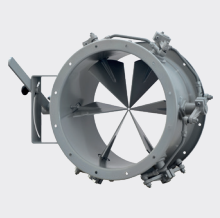
## ACCESORIOS



**CA (CFH1) - CFH2 - CFH3**
Contrabrida - Brida plana circular.



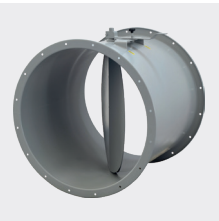
**GA**
Junta flexible aspiración.



**DP**
Regulador de caudal de aspiración.



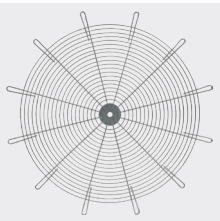
**SAD**
Compuerta de regulación de caudal de descarga.



**SF**
Vávula mariposa.



**DF**
Filtro en la aspiración.



**RC**
Rejilla de protección para la aspiración.



**AM/AZ**
Soportes antivibratorios.



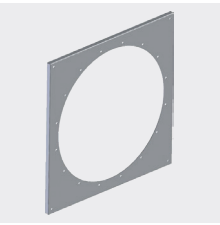
**SCSO**
Silenciador cilíndrico.



**SCCO**
Silenciador cilíndrico con bulbo.



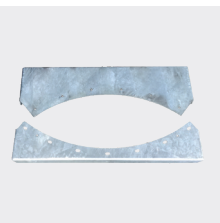
**SG**
Persiana sobrepresión.



**PA**
Panel cuadrado.



**BA**
Embocadura de entrada.



**PD/V**
Pie soporte (montaje vertical).



**PD**
Pie soporte (montaje horizontal).

Ver información completa en página **772**.

# EB

## VENTILADORES AXIALES

*ACOPLAMIENTO DIRECTO*




Ventilador axial tubular de acoplamiento directo. La camisa está fabricada en chapa robusta de acero al carbono estándar con brida doble y recirculación de aire para el enfriamiento del motor. La hélice está fabricada en fundición de aluminio, con álabes orientables y equilibrada dinámicamente.
El motor está dentro de un contenedor aislado del flujo de aire. La chapa está pintada mediante inmersión en baño cataforético y posterior cocción en horno.
Temperatura de trabajo:
-20ºC hasta 150ºC.



APLICACIONES

**Aire a transportar**
Polvoriento
(ambiente industrial)

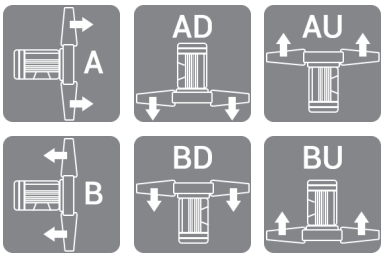
**Cantidad de polvo (mg/m³)**
<500

**Motores**
Motores de 2 y 4 polos, de alta eficiencia con alimentación trifáfica 230/400V50Hz hasta la talla 132 y 400/690V50Hz para tallas superiores. Grado de protección IP55, clase F. Apto para trabajar hasta 90ºC de temperatura ambiente.

**Flujo de aire**
En la construcción de serie está previsto el flujo de aire del motor a la hélice (flujo "B"). Bajo pedido, se puede fabricar el flujo opuesto (flujo "A").

**Bajo demanda**
Versión anticorrosiva en INOX AISI 304-316L.

TIPO DE FLUJO




## CARACTERÍSTICAS TÉCNICAS

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación

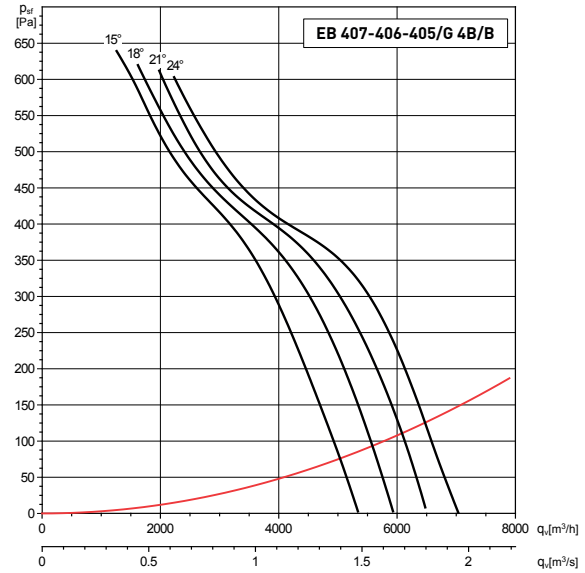
| Modelo | Caudal máximo (m³/h) | Potencia máxima motor (kW) | Número de polos |
|---|---|---|---|
| EB 400 4B/B | 7.000 | 1,5 | 2 |
| EB 450 4B/B | 8.800 | 3,0 | 2 |
| EB 500 4B/B | 13.750 | 4,0 | 2 |
| EB 560 4B/B | 18.500 | 7,5 | 2 |
| EB 630 4B/B | 14.000 | 2,2 | 4 |
| EB 710 4B/B | 18.750 | 3,0 | 4 |
| EB 800 4B/B | 30.000 | 5,5 | 4 |

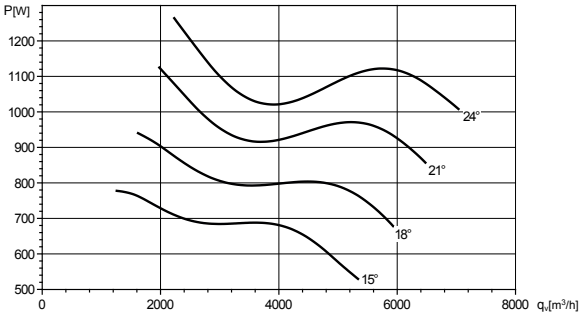
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Psf: Presión estática en Pa**

2 polos
Diámetro nominal: 400 mm
Número de palas: 10

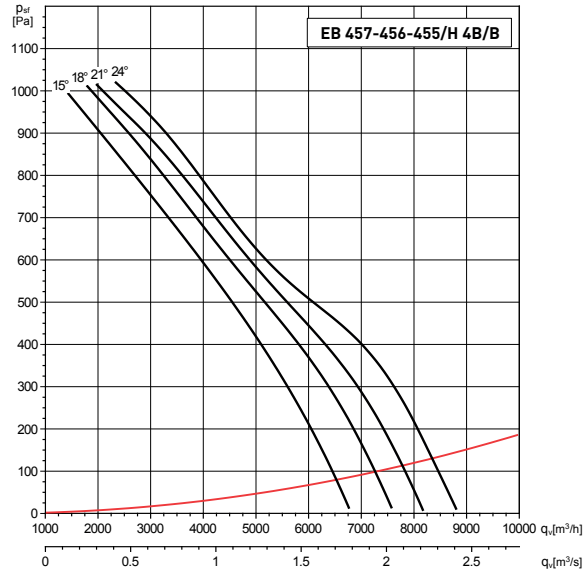
| Modelo | Ángulo pala |
|---|---|
| 405 | 21º-24º |
| 406 | 18º |
| 407 | 15º |

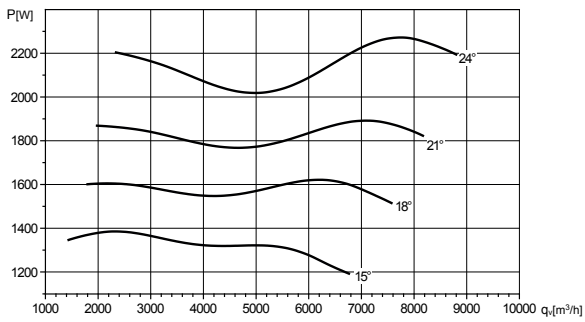



2 polos
Diámetro nominal: 450 mm
Número de palas: 10

| Modelo | Ángulo pala |
|---|---|
| 455 | 21º-24º |
| 456 | 18º |
| 457 | 15º |



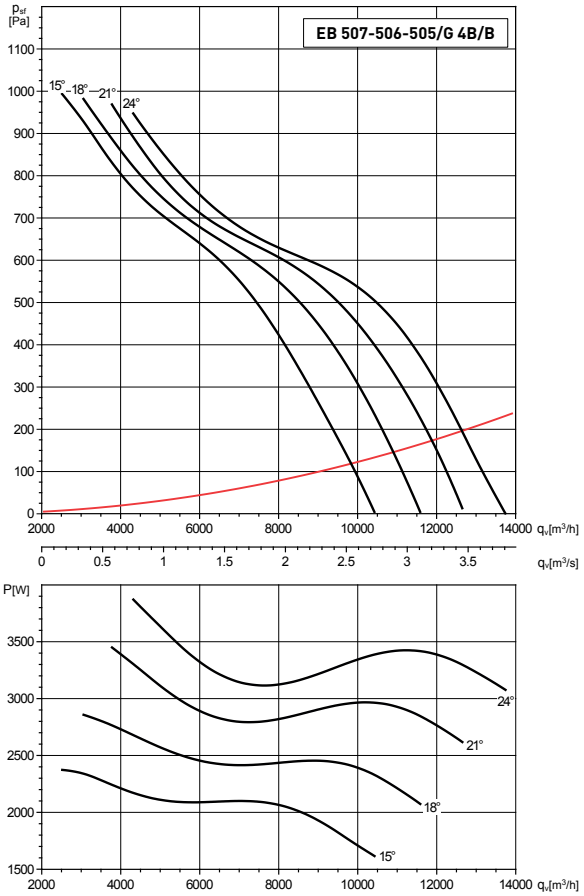



## CURVAS CARACTERÍSTICAS (a la descarga)

**– Psf: Presión estática en Pa**

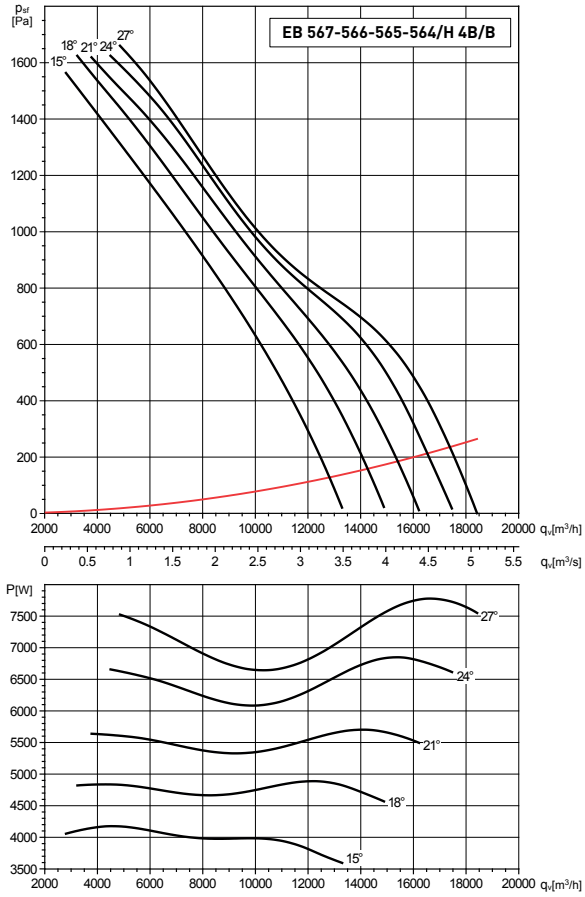
2 polos
Diámetro nominal: 500 mm
Número de palas: 10

| Modelo | Ángulo pala |
|---|---|
| 505 | 21º-24º |
| 506 | 18º |
| 507 | 15º |




2 polos
Diámetro nominal: 560 mm
Número de palas: 10

| Modelo | Ángulo pala |
|---|---|
| 564 | 27º |
| 565 | 21º-24º |
| 566 | 18º |
| 567 | 15º |

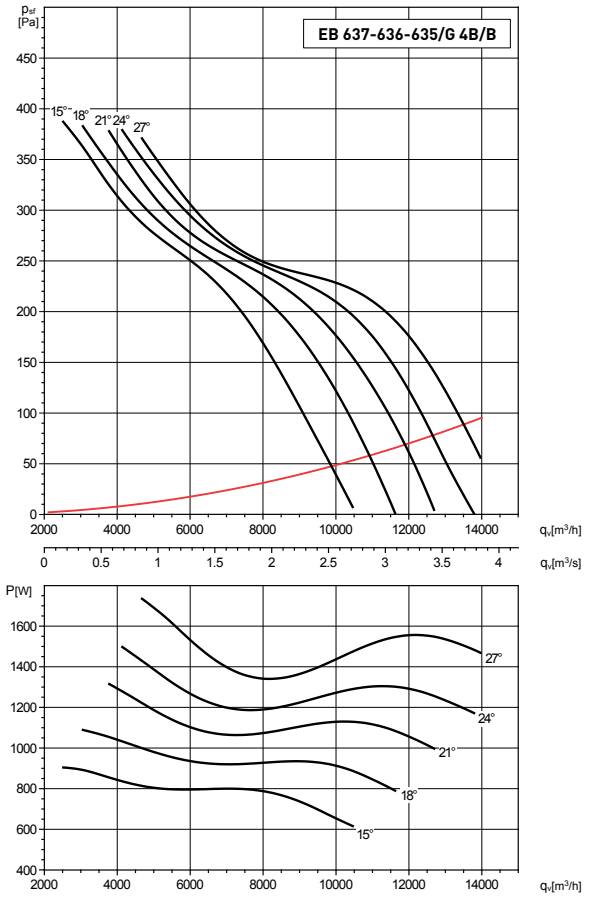


## CURVAS CARACTERÍSTICAS (a la descarga)

**– Psf: Presión estática en Pa**

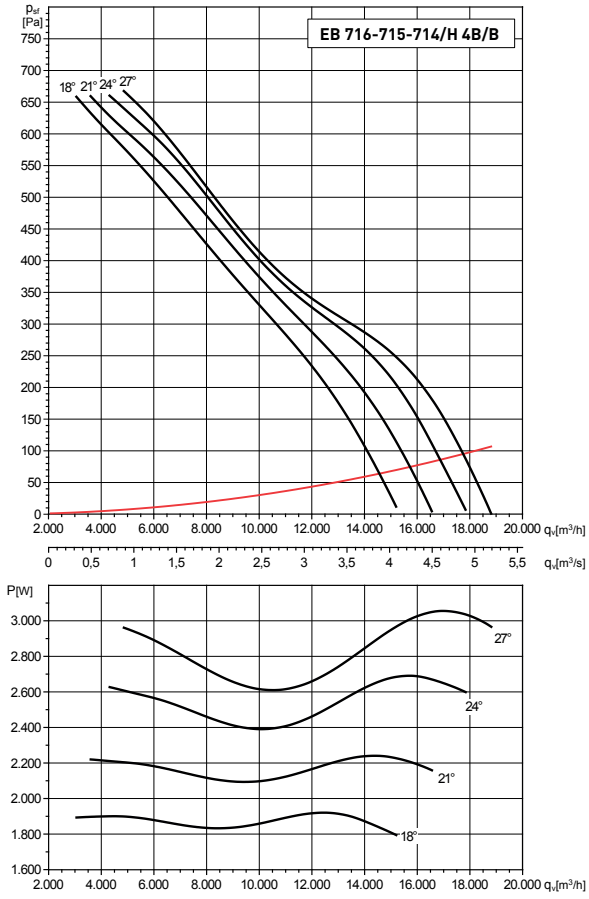
2 polos
Diámetro nominal: 630 mm
Número de palas: 10

| Modelo | Ángulo pala |
|---|---|
| 635 | 21º-24º |
| 636 | 18º |
| 637 | 15º |




2 polos
Diámetro nominal: 710 mm
Número de palas: 10

| Modelo | Ángulo pala |
|---|---|
| 714 | 27º |
| 715 | 21º-24º |
| 716 | 18º |

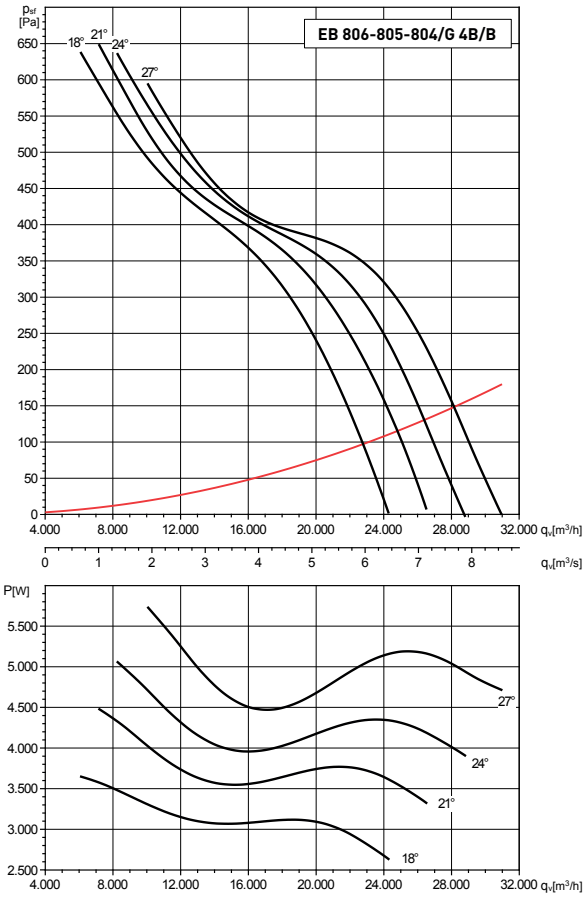


## CURVAS CARACTERÍSTICAS (a la descarga)

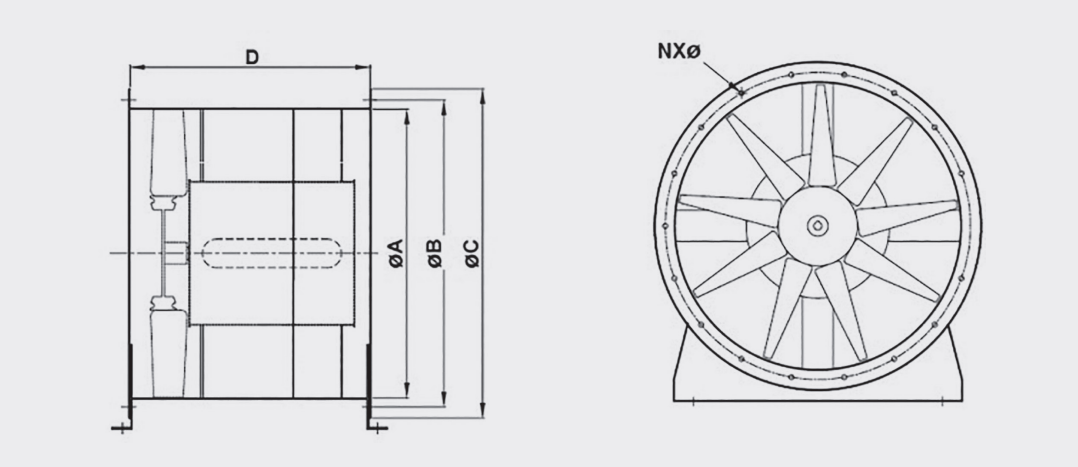
**– Psf: Presión estática en Pa**

2 polos
Diámetro nominal: 800 mm
Número de palas: 10

| Modelo | Ángulo pala |
|---|---|
| 804 | 27º |
| 805 | 21º-24º |
| 806 | 18º |



## DIMENSIONES (mm)

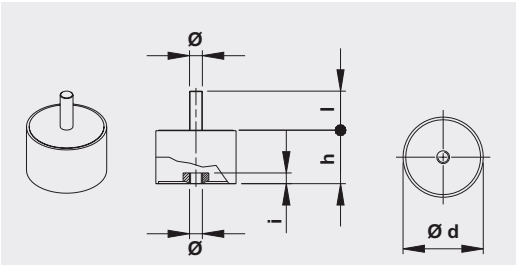



| Ventilador | Motor | kW | A | B | C | D | N | Ø |
|---|---|---|---|---|---|---|---|---|
| EB 400/G 4B | 80A2 | 0,75 | 400 | 448 | 485 | 430 | 12 | 10 |
| EB 400/G 4B | 80B2 | 1,1 | 400 | 448 | 485 | 430 | 12 | 10 |
| EB 400/G 4B | 90S2 | 1,5 | 400 | 448 | 485 | 430 | 12 | 10 |
| EB 450/H 4B | 90S2 | 1,5 | 454 | 497 | 535 | 550 | 12 | 10 |
| EB 450/H 4B | 90L2 | 2,2 | 454 | 497 | 535 | 550 | 12 | 10 |
| EB 450/H 4B | 100LA2 | 3 | 454 | 497 | 535 | 550 | 12 | 10 |
| EB 500/G 4B | 100LA2 | 3 | 500 | 551 | 585 | 500 | 12 | 10 |
| EB 500/G 4B | 112M2 | 4 | 500 | 551 | 585 | 500 | 12 | 10 |
| EB 560/H 4B | 132SA2 | 5,5 | 564 | 629 | 666 | 570 | 12 | 10 |
| EB 560/H 4B | 132SB2 | 7,5 | 564 | 629 | 666 | 570 | 12 | 10 |
| EB 630/G 4B | 90S4 | 1,1 | 630 | 698 | 737 | 570 | 12 | 10 |
| EB 630/G 4B | 90L4 | 1,5 | 630 | 698 | 737 | 570 | 12 | 10 |
| EB 630/G 4B | 100LA4 | 2,2 | 630 | 698 | 737 | 570 | 12 | 10 |
| EB 710/H 4B | 100LA4 | 2,2 | 710 | 775 | 815 | 600 | 16 | 12 |
| EB 710/H 4B | 100LB4 | 3 | 710 | 775 | 815 | 600 | 16 | 12 |
| EB 800/G 4B | 112M4 | 4 | 900 | 958 | 1008 | 680 | 16 | 12 |
| EB 800/G 4B | 132SA4 | 5,5 | 900 | 958 | 1008 | 680 | 16 | 12 |

## AMORTIGUADORES

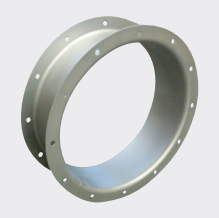
Amortiguadores recomendados

| Ventilador | Ejecución 4 |
|---|---|
| 355/H | 4 x AM 25 - 25x20 |
| 400/G | 4 x AM 25 - 25x20 |
| 450/H | 4 x AM 30 - 30x30 |
| 500/G | 4 x AM 30 - 30x30 |
| 560/H | 4 x AM 40 - 40x30 |
| 630/G | 4 x AM 40 - 40x30 |
| 710/H | 4 x AM 40 - 40x30 |
| 800/G | 4 x AM 50 - 50x40 |

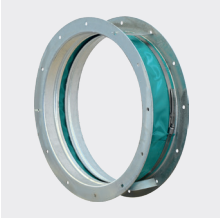



| Tipo | Carga para 4 soportes (kg) | d | h | Ø | l | Peso (kg) |
|---|---|---|---|---|---|---|
| AM 25 | 41÷80 | 25 | 20 | M6 | 18 | 0,03 |
| AM 30 | 81÷140 | 30 | 30 | M8 | 20 | 0,05 |
| AM 40 | 141÷224 | 40 | 30 | M8 | 23 | 0,10 |
| AM 50 | 225÷315 | 50 | 40 | M10 | 28 | 0,20 |

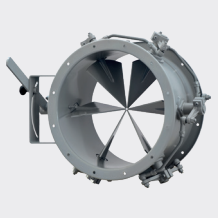
## ACCESORIOS



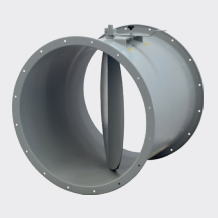
**CA (CFH1) - CFH2 - CFH3**
Contrabrida - Brida plana circular.



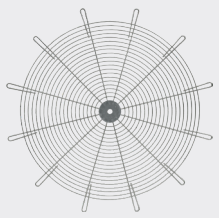
**GA/3**
Junta flexible aspiración.



**DP**
Regulador de caudal de aspiración.



**SF**
Vávula mariposa.



**RC**
Rejilla de protección para la aspiración.



**AM**
Amortiguadores.



**SCSO**
Silenciador cilíndrico.



**BA**
Embocadura de entrada.

Ver información completa en página **772**.

# EB 9B

## VENTILADORES AXIALES

*TRANSMISIÓN*

180ºC

Ventiladores helicoidales tubulares a transmisión, con motor fuera del flujo del aire. Camisa de chapa de acero Fe 360 B robusta galvanizada en caliente con doble brida y puerta de inspección. Hélice y buje de aleación de aluminio, con palas variables, equilibrada dinámicamente. Se incluye protección para la transmisión. Los elementos de la transmisión se encuentran totalmente aislados del flujo del aire. La pintura de la chapa se efectúa mediante tratamiento por cataforesis + pintura poliuretana. Temperatura de trabajo -20ºC/180ºC.

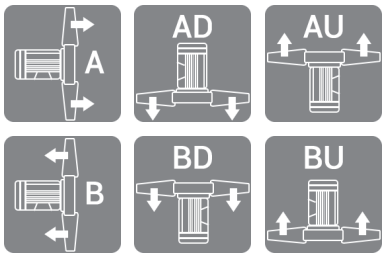


APLICACIONES

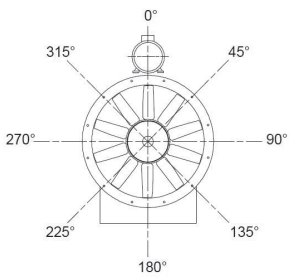
**Aire a transportar**
Polvoriento
(ambiente industrial)

**Cantidad de polvo (mg/m³)**
<500

TIPO DE FLUJO




ORIENTACIONES MOTOR




### Sistemas de montaje

- SISTEMA 9: acoplamiento a transmisión con el motor sostenido por la camisa.
- SISTEMA 12: acoplamiento a transmisión con el ventilador y el motor sostenidos por la bancada.
  Sólo disponible en versión con buje de acero.

### Motores

Tensión de alimentación:
Trifásicos 230/400V-50Hz

### Bajo pedido

- Versión preparada para trabajar hasta 300ºC en continuo.
- Fabricado en Corten para temperaturas superiores a 300ºC.
- Versión anticorrosiva en INOX AISI 304-316.
- Versión estanca para aplicaciones particulares.

### Otros datos

- Hélice-Motor (flujo B).
- Sentido del aire Motor-Hélice (flujo A), bajo demanda.
- Para tamaños superiores a 1000, se aplica galvanizado en caliente.
- A partir del diámetro 1601, el buje es de acero.

### Versiones ATEX

Bajo pedido, versiones antiexplosivas según la Directiva ATEX para modelos trifásicos: Para trabajar a temperaturas de -20ºC a +60ºC, presión ambiente (absoluta) de 0,8 bar hasta 1,1 bar, según EN 14986.

- Gas:
  - Ex 2G IIB T2-T3
  - Ex 2G IIB+H2 T2-T3
  - Ex 3G IIB T2-T3
  - Ex 3G IIB+H2 T2-T3
- Polvo no conductivo:
  - Ex 2D IIIB T195°C-T295°C
  - Ex 3D IIIB T195°C-T295°C
- Polvo conductivo (con motor IP65 IIIC):
  - Ex 2D IIIC T195°C-T295°C
  - Ex 3D IIIC T195°C-T295°C

## CARACTERÍSTICAS TÉCNICAS

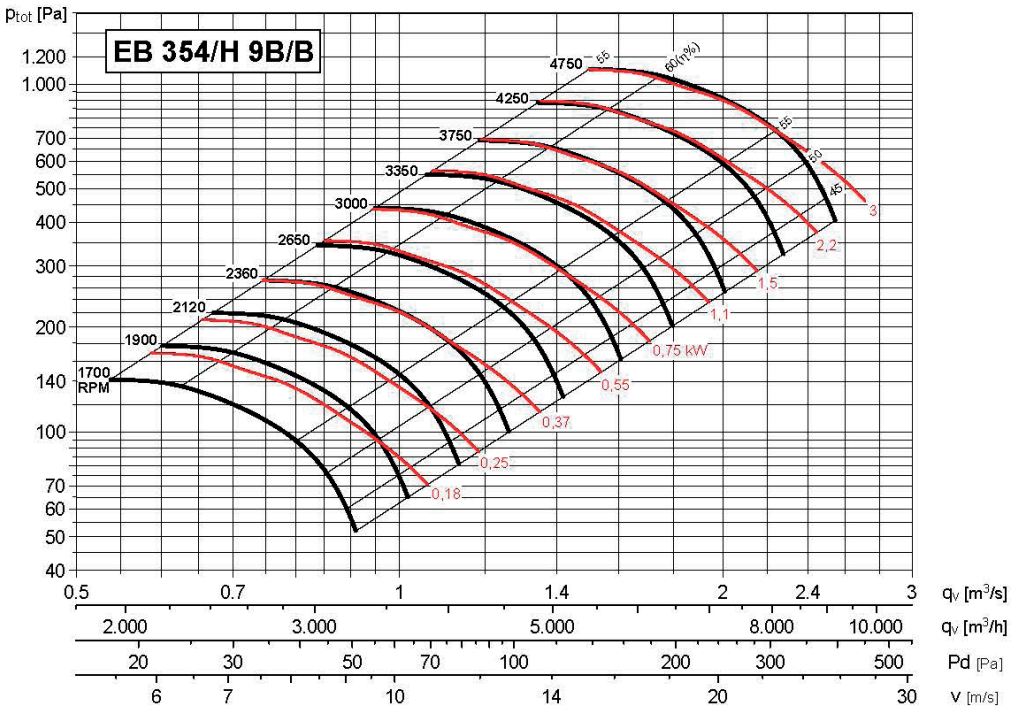
Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación.

| Modelo | Caudal máximo ($m^3/h$) | Potencia motor máxima (kW) | Momento de inercia ($kg \cdot m^2$)[1] |
|---|---|---|---|
| EB 354/H 9B/B | 9.160 | 3,0 | 0,020 |
| EB 404/G 9B/B | 12.340 | 4,0 | 0,027 |
| EB 454/H 9B/B | 14.850 | 4,0 | 0,062 |
| EB 504/G 9B/B | 19.160 | 5,5 | 0,100 |
| EB 564/H 9B/B | 22.880 | 7,5 | 0,220 |
| EB 634/G 9B/B | 30.380 | 9,2 | 0,300 |
| EB 714/H 9B/B | 36.890 | 11,0 | 0,620 |
| EB 804/G 9B/B | 51.890 | 15,0 | 0,800 |
| EB 904/I 9B/B | 62.240 | 18,5 | 1,320 |
| EB 1004/H 9B/B | 74.020 | 22,0 | 1,870 |
| EB 1124/G 9B/B | 97.860 | 30,0 | 2,650 |
| EB 1255/F 9B/B | 107.780 | 30,0 | 3,500 |
| EB 1406/E 9B/B | 132.850 | 30,0 | 4,500 |
| EB 1604/H 9B/B | 253.710 | 90,0 | 10,250 |
| EB 1804/H 9B/B | 324.850 | 110,0 | 19,500 |

[1] Momento de inercia de la hélice

## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**

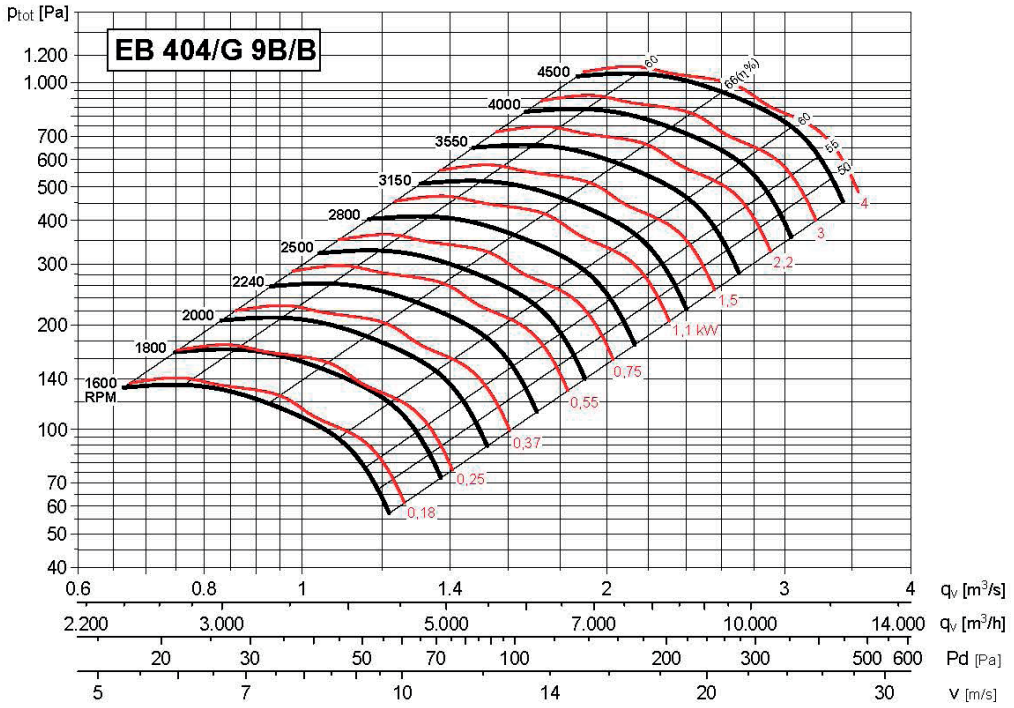



MAX. RPM

≤ 40°C = 4250 rpm
41 ÷ 60°C = 3750 rpm
61 ÷ 180°C = 3000 rpm

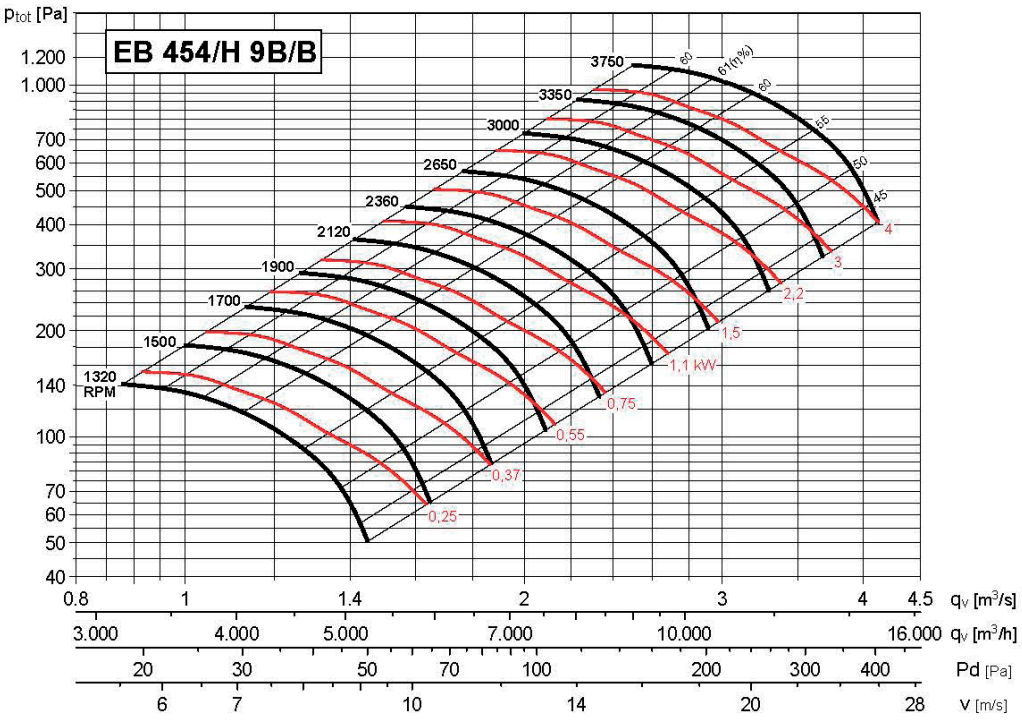
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 40°C = 4000 rpm
41 ÷ 60°C = 3550 rpm
61 ÷ 180°C = 2800 rpm

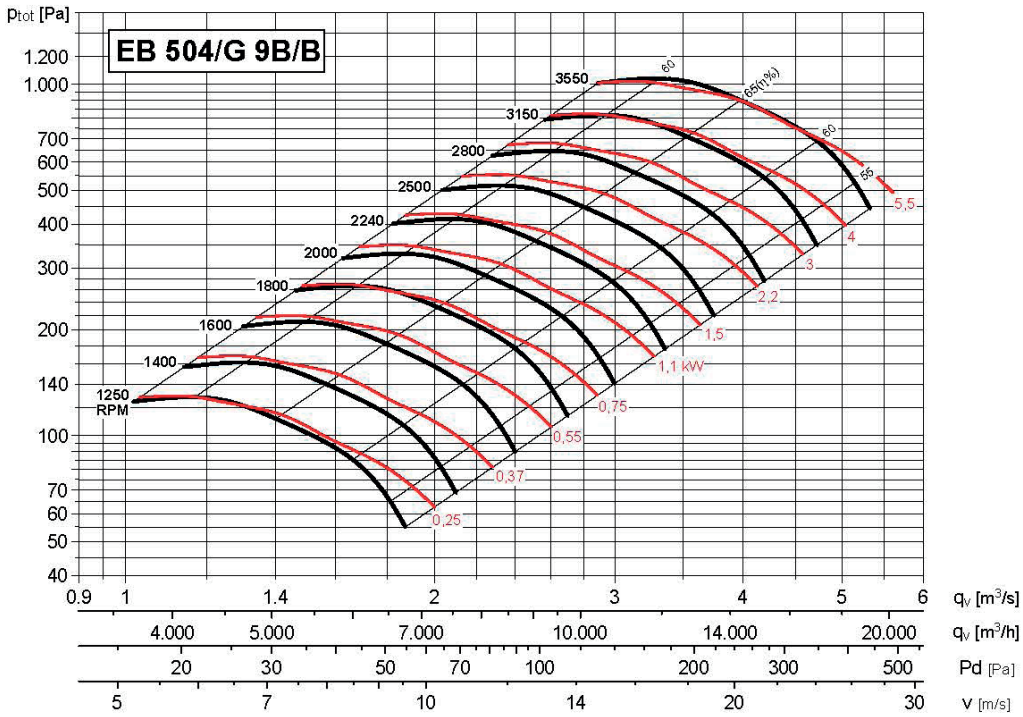



MAX. RPM

≤ 40°C = 3350 rpm
41 ÷ 60°C = 3000 rpm
61 ÷ 180°C = 2360 rpm

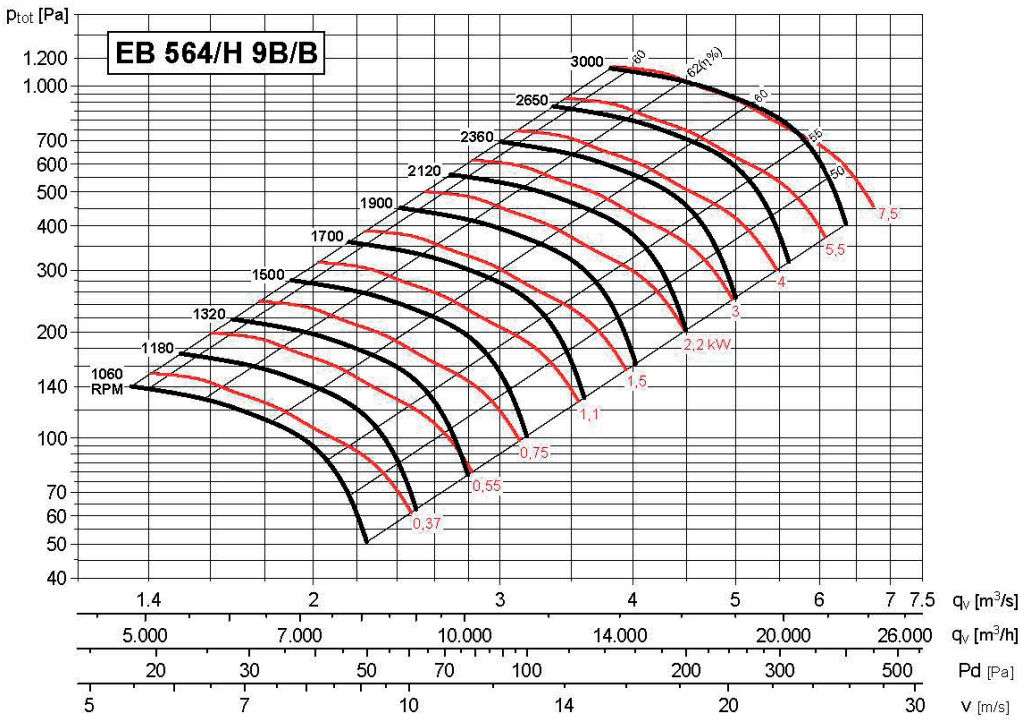
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

⩽ 40°C = 3150 rpm
41 ÷ 60°C = 2800 rpm
61 ÷ 180°C = 2240 rpm

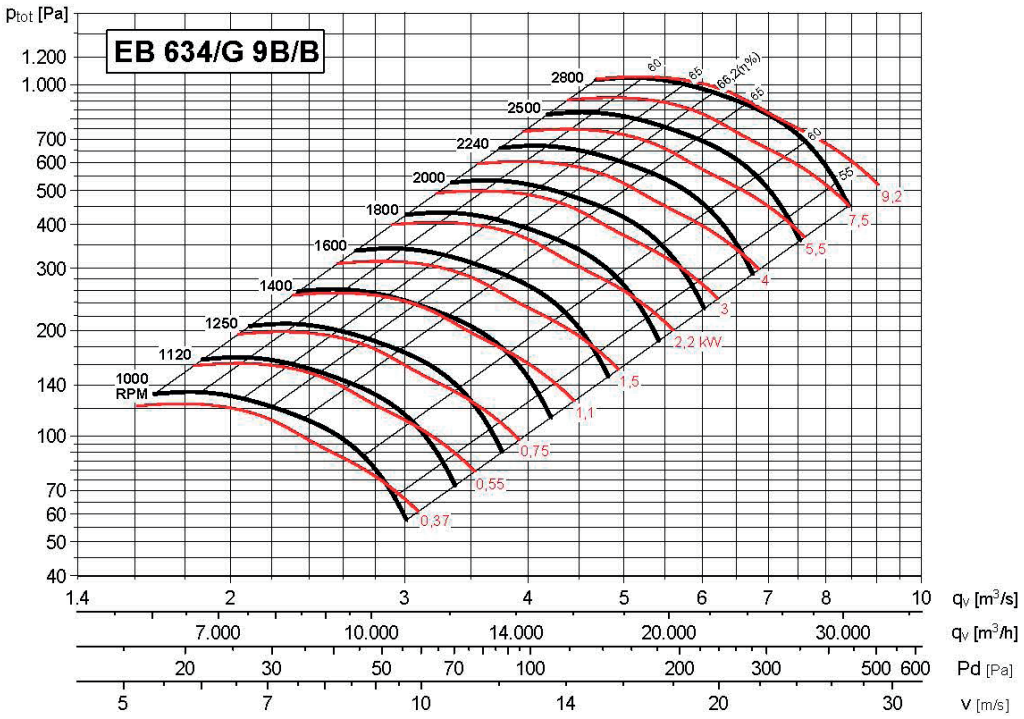



MAX. RPM

⩽ 40°C = 2650 rpm
41 ÷ 60°C = 2360 rpm
61 ÷ 180°C = 1900 rpm

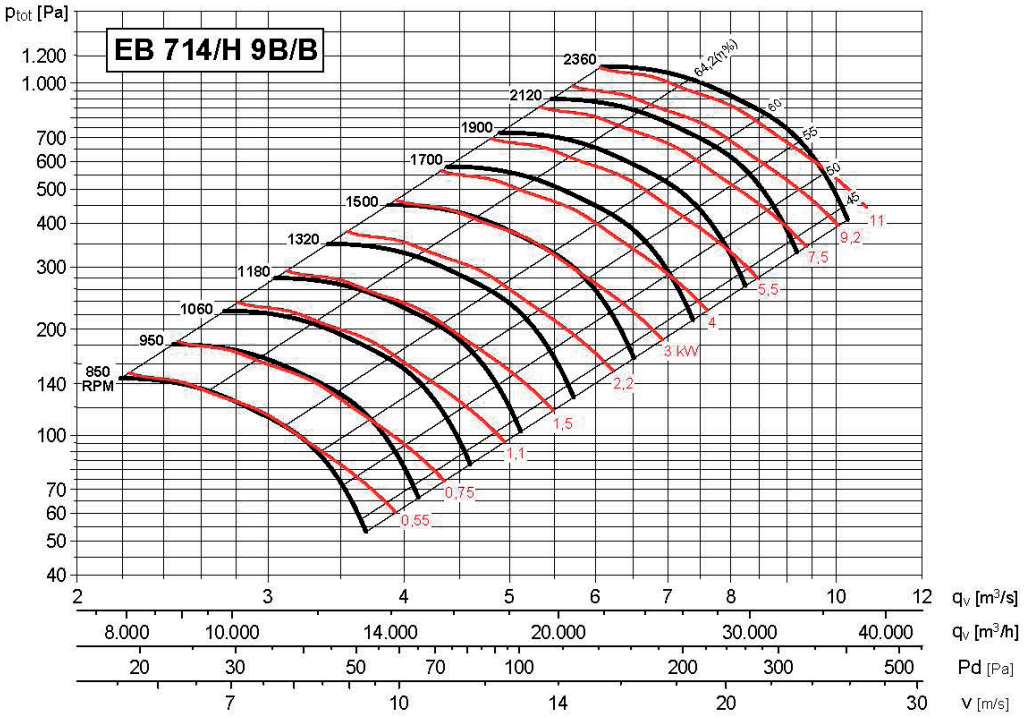
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 40°C = 2500 rpm
41 ÷ 60°C = 2240 rpm
61 ÷ 180°C = 1800 rpm

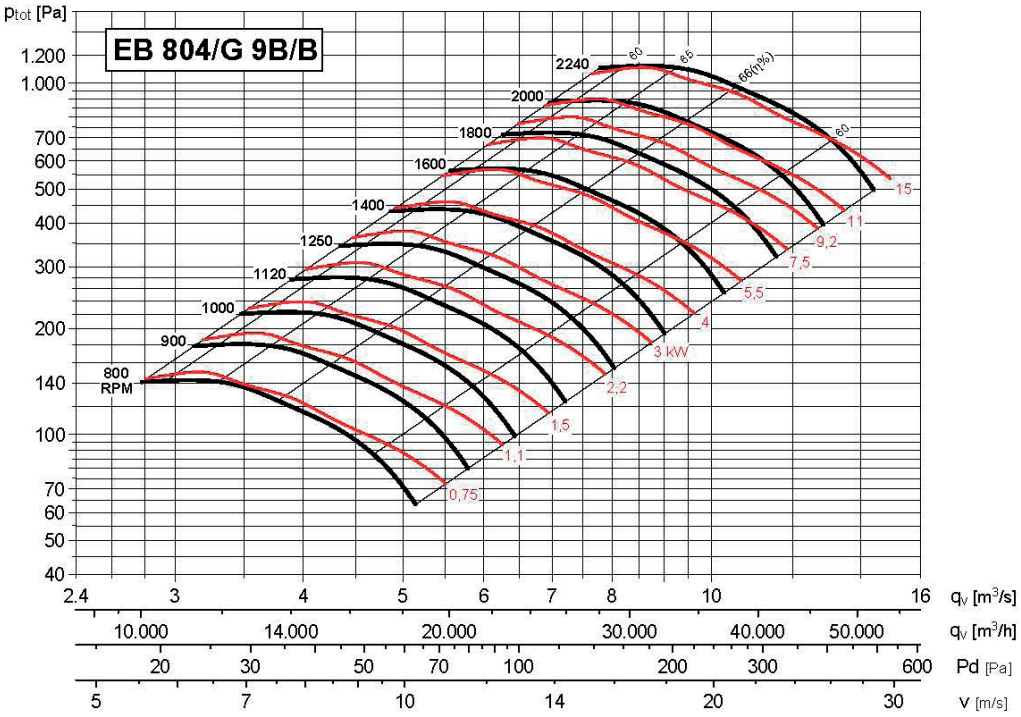



MAX. RPM

≤ 40°C = 2120 rpm
41 ÷ 60°C = 1900 rpm
61 ÷ 180°C = 1500 rpm

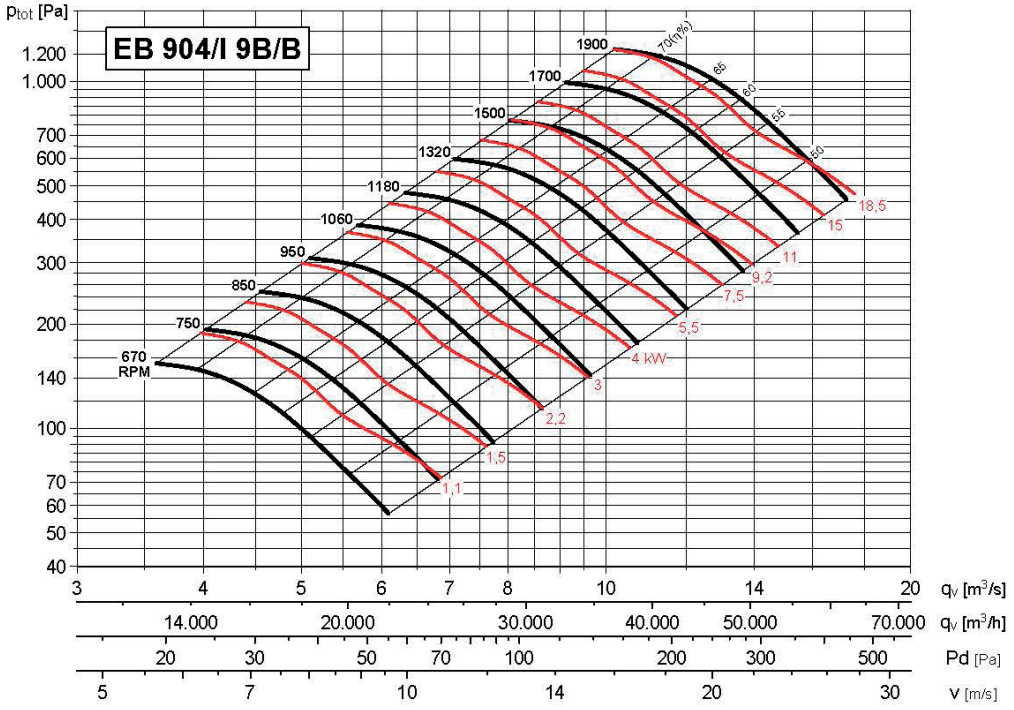
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 40°C = 2000 rpm
41 ÷ 60°C = 1800 rpm
61 ÷ 180°C = 1400 rpm

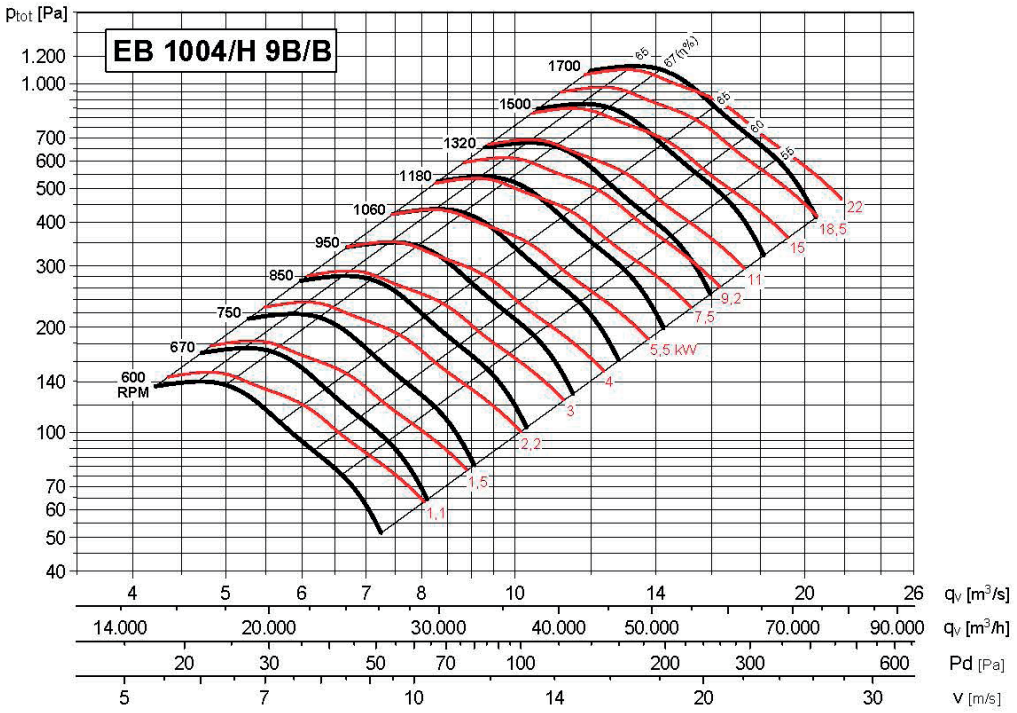



MAX. RPM

≤ 40°C = 1700 rpm
41 ÷ 60°C = 1500 rpm
61 ÷ 180°C = 1180 rpm

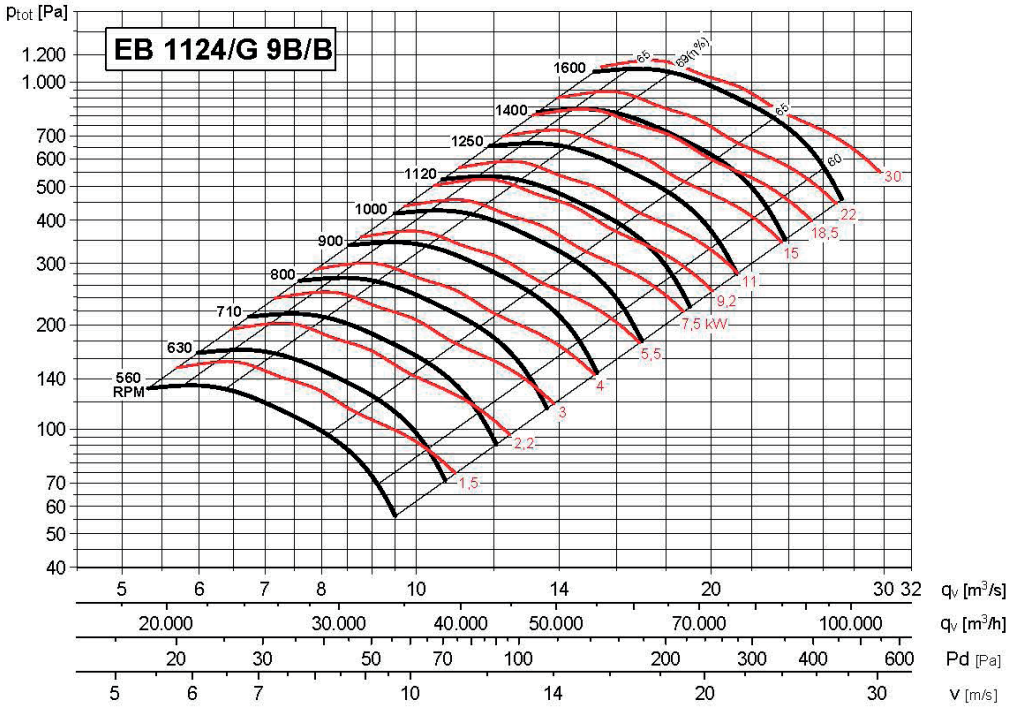
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 40°C = 1500 rpm
41 ÷ 60°C = 1320 rpm
61 ÷ 180°C = 1060 rpm

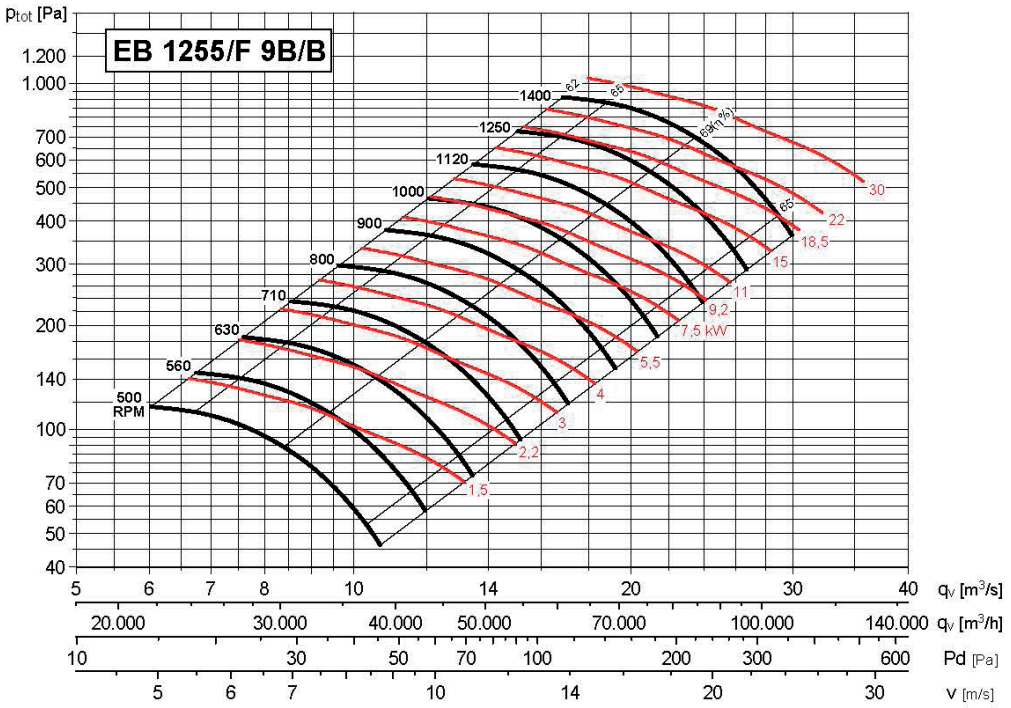



MAX. RPM

≤ 40°C = 1400 rpm
41 ÷ 60°C = 1250 rpm
61 ÷ 180°C = 1000 rpm

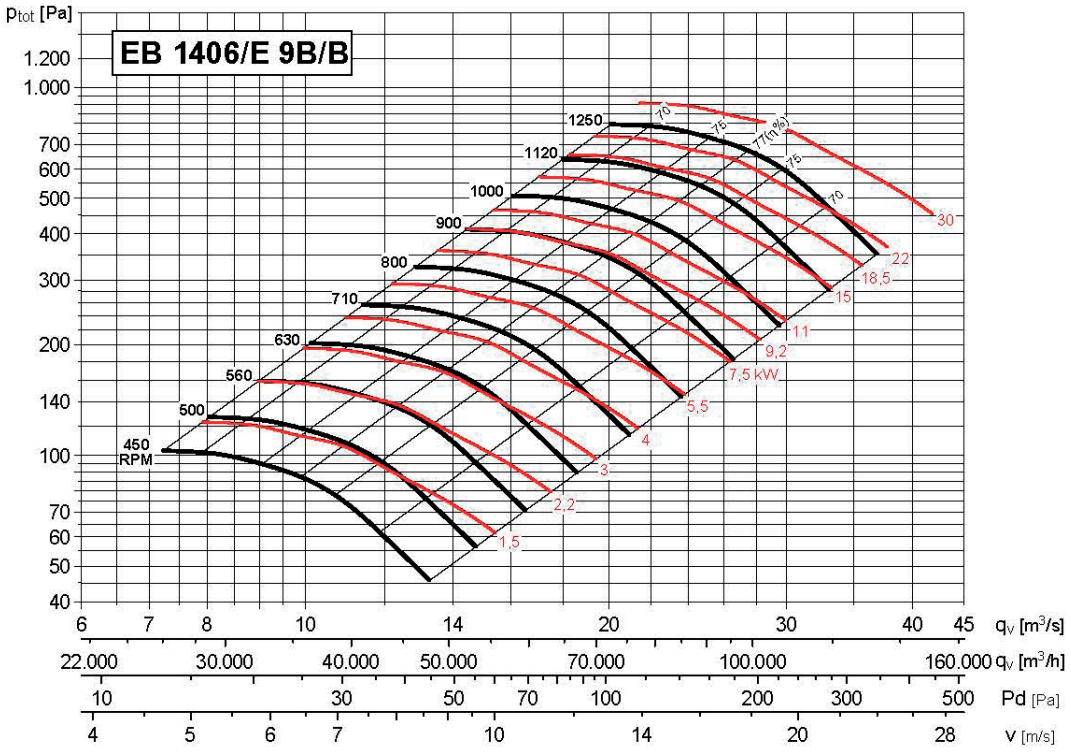
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

≤ 40°C = 1250 rpm
41 ÷ 60°C = 1200 rpm
61 ÷ 180°C = 900 rpm

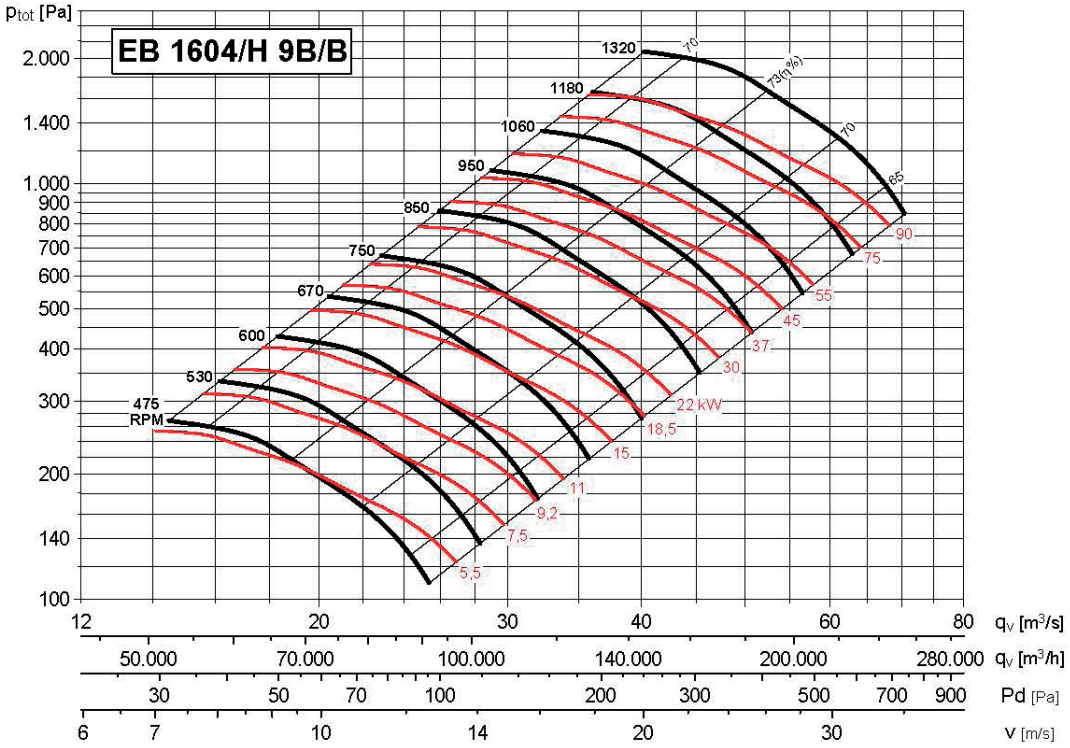



MAX. RPM

≤ 40°C = 1120 rpm
41 ÷ 60°C = 1000 rpm
61 ÷ 180°C = 800 rpm

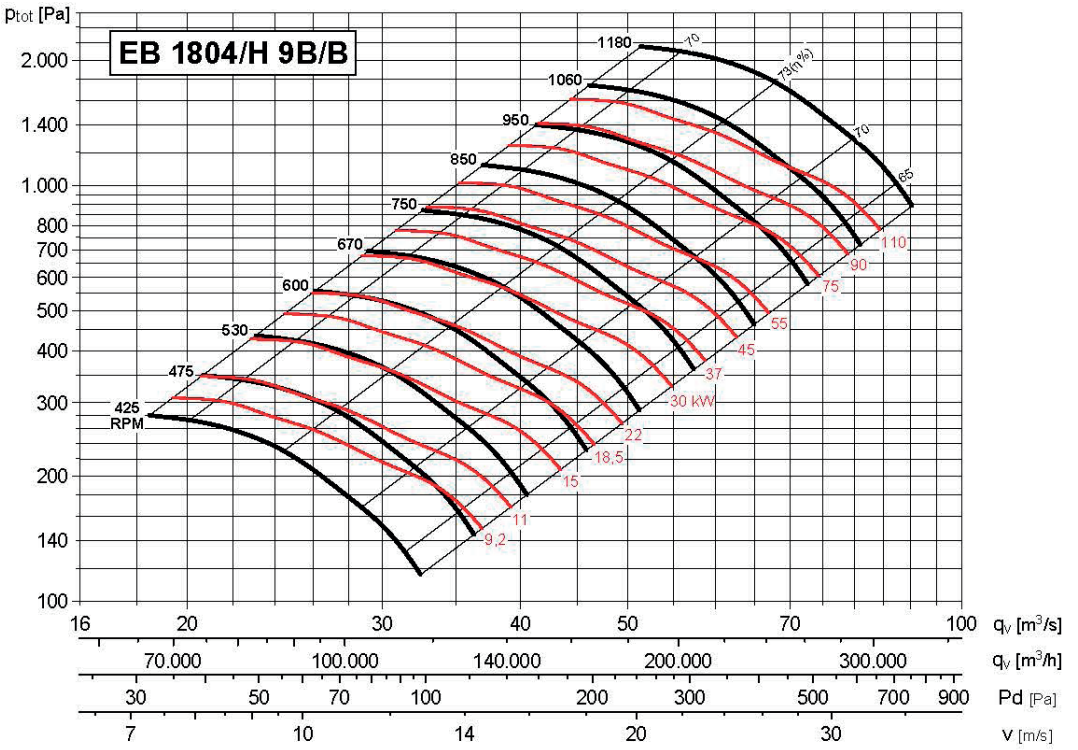
## CURVAS CARACTERÍSTICAS (a la descarga)

**– Ptot: Presión total en Pa**




MAX. RPM

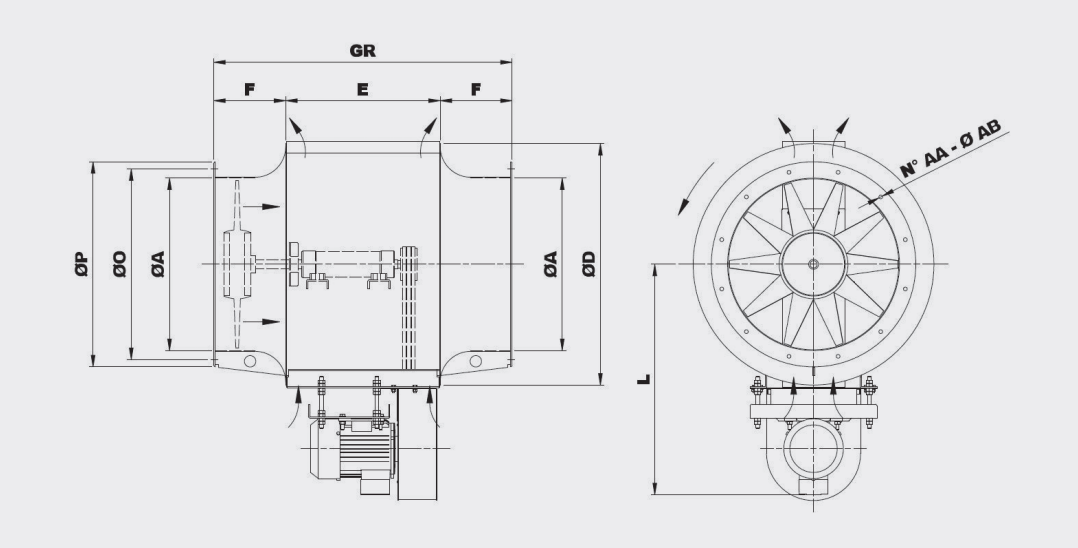
⩽ 40°C = 1180 rpm
41 ÷ 60°C = 1060 rpm
61 ÷ 180°C = 950 rpm




MAX. RPM

⩽ 40°C = 1060 rpm
41 ÷ 60°C = 950 rpm
61 ÷ 180°C = 850 rpm

## DIMENSIONES (mm)




Modelo

| | Motor GR | ØA | ØB | ØP | ØD | E | F | GR | L* | NºAA | ØAB | kg |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EB 354/H 9B/B | 71B2 | 355 | 405 | 440 | 513 | 400 | 170 | 740 | 480 | 8 | 10 | 42 |
| EB 354/H 9B/B | 71B4 | 355 | 405 | 440 | 513 | 400 | 170 | 740 | 480 | 8 | 10 | 42 |
| EB 354/H 9B/B | 80A2 | 355 | 405 | 440 | 513 | 400 | 170 | 740 | 500 | 8 | 10 | 41 |
| EB 354/H 9B/B | 80B2 | 355 | 405 | 440 | 513 | 400 | 170 | 740 | 500 | 8 | 10 | 43 |
| EB 354/H 9B/B | 90L2 | 355 | 405 | 440 | 513 | 400 | 170 | 740 | 540 | 8 | 10 | 42 |
| EB 354/H 9B/B | 90S2 | 355 | 405 | 440 | 513 | 400 | 170 | 740 | 540 | 8 | 10 | 39 |
| EB 404/G 9B/B | 71B4 | 400 | 448 | 485 | 567 | 400 | 180 | 760 | 530 | 12 | 10 | 47 |
| EB 404/G 9B/B | 80A2 | 400 | 448 | 485 | 567 | 400 | 180 | 760 | 530 | 12 | 10 | 46 |
| EB 404/G 9B/B | 80A4 | 400 | 448 | 485 | 567 | 400 | 180 | 760 | 530 | 12 | 10 | 46 |
| EB 404/G 9B/B | 80B2 | 400 | 448 | 485 | 567 | 400 | 180 | 760 | 530 | 12 | 10 | 48 |
| EB 404/G 9B/B | 90L2 | 400 | 448 | 485 | 567 | 400 | 180 | 760 | 570 | 12 | 10 | 47 |
| EB 404/G 9B/B | 90S2 | 400 | 448 | 485 | 567 | 400 | 180 | 760 | 570 | 12 | 10 | 44 |
| EB 454/H 9B/B | 100LA2 | 450 | 497 | 535 | 639 | 400 | 190 | 780 | 625 | 12 | 10 | 52 |
| EB 454/H 9B/B | 112M2 | 450 | 497 | 535 | 639 | 400 | 190 | 780 | 635 | 12 | 10 | 48 |
| EB 454/H 9B/B | 80B4 | 450 | 497 | 535 | 639 | 400 | 190 | 780 | 565 | 12 | 10 | 57 |
| EB 454/H 9B/B | 90L2 | 450 | 497 | 535 | 639 | 400 | 190 | 780 | 605 | 12 | 10 | 56 |
| EB 454/H 9B/B | 90S2 | 450 | 497 | 535 | 639 | 400 | 190 | 780 | 605 | 12 | 10 | 53 |
| EB 454/H 9B/B | 90S4 | 450 | 497 | 535 | 639 | 400 | 190 | 780 | 605 | 12 | 10 | 52 |
| EB 504/G 9B/B | 100LA2 | 500 | 551 | 585 | 708 | 450 | 200 | 850 | 665 | 12 | 10 | 66 |
| EB 504/G 9B/B | 112M2 | 500 | 551 | 585 | 708 | 450 | 200 | 850 | 675 | 12 | 10 | 62 |
| EB 504/G 9B/B | 80B4 | 500 | 551 | 585 | 708 | 450 | 200 | 850 | 605 | 12 | 10 | 70 |
| EB 504/G 9B/B | 90L2 | 500 | 551 | 585 | 708 | 450 | 200 | 850 | 645 | 12 | 10 | 69 |
| EB 504/G 9B/B | 90S2 | 500 | 551 | 585 | 708 | 450 | 200 | 850 | 645 | 12 | 10 | 67 |
| EB 504/G 9B/B | 90S4 | 500 | 551 | 585 | 708 | 450 | 200 | 850 | 645 | 12 | 10 | 65 |
| EB 564/H 9B/B | 100LA2 | 560 | 629 | 665 | 785 | 450 | 212 | 874 | 705 | 12 | 10 | 80 |
| EB 564/H 9B/B | 100LA4 | 560 | 629 | 665 | 785 | 450 | 212 | 874 | 705 | 12 | 10 | 81 |
| EB 564/H 9B/B | 132SA2 | 560 | 629 | 665 | 785 | 450 | 212 | 874 | 715 | 12 | 10 | 59 |
| EB 564/H 9B/B | 132SB2 | 560 | 629 | 665 | 785 | 450 | 212 | 874 | 760 | 12 | 10 | 81 |
| EB 564/H 9B/B | 90L4 | 560 | 629 | 665 | 785 | 450 | 212 | 874 | 685 | 12 | 10 | 82 |
| EB 564/H 9B/B | 90S4 | 560 | 629 | 665 | 785 | 450 | 212 | 874 | 685 | 12 | 10 | 79 |
| EB 634/G 9B/B | 100LA4 | 630 | 698 | 735 | 871 | 630 | 212 | 1054 | 755 | 12 | 10 | 113 |
| EB 634/G 9B/B | 100LB4 | 630 | 698 | 735 | 871 | 630 | 212 | 1054 | 755 | 12 | 10 | 115 |
| EB 634/G 9B/B | 112M4 | 630 | 698 | 735 | 871 | 630 | 212 | 1054 | 765 | 12 | 10 | 109 |
| EB 634/G 9B/B | 132SA2 | 630 | 698 | 735 | 871 | 630 | 212 | 1054 | 810 | 12 | 10 | 113 |
| EB 634/G 9B/B | 90L4 | 630 | 698 | 735 | 871 | 630 | 212 | 1054 | 735 | 12 | 10 | 115 |
| EB 634/G 9B/B | 90S4 | 630 | 698 | 735 | 871 | 630 | 212 | 1054 | 735 | 12 | 10 | 111 |
| EB 714/H 9B/B | 100LA4 | 710 | 775 | 815 | 968 | 630 | 224 | 1078 | 805 | 16 | 12 | 154 |
| EB 714/H 9B/B | 100LB4 | 710 | 775 | 815 | 968 | 630 | 224 | 1078 | 805 | 16 | 12 | 156 |

* Según tamaño motor

## DIMENSIONES (mm)

| Modelo | Motor GR | ØA | ØB | ØP | ØD | E | F | GR | L* | NºAA | ØAB | kg |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EB 714/H 9B/B | 112M4 | 710 | 775 | 815 | 968 | 630 | 224 | 1078 | 815 | 16 | 12 | 150 |
| EB 714/H 9B/B | 132MA4 | 710 | 775 | 815 | 968 | 630 | 224 | 1078 | 860 | 16 | 12 | 167 |
| EB 714/H 9B/B | 132SA4 | 710 | 775 | 815 | 968 | 630 | 224 | 1078 | 860 | 16 | 12 | 156 |
| EB 714/H 9B/B | 90L4 | 710 | 775 | 815 | 968 | 630 | 224 | 1078 | 785 | 16 | 12 | 155 |
| EB 804/G 9B/B | 100LA4 | 800 | 861 | 905 | 1077 | 630 | 250 | 1130 | 865 | 16 | 12 | 182 |
| EB 804/G 9B/B | 100LB4 | 800 | 861 | 905 | 1077 | 630 | 250 | 1130 | 865 | 16 | 12 | 184 |
| EB 804/G 9B/B | 112M4 | 800 | 861 | 905 | 1077 | 630 | 250 | 1130 | 875 | 16 | 12 | 178 |
| EB 804/G 9B/B | 112MA4 | 800 | 861 | 905 | 1077 | 630 | 250 | 1130 | 920 | 16 | 12 | 191 |
| EB 804/G 9B/B | 132MB4 | 800 | 861 | 905 | 1077 | 630 | 250 | 1130 | 920 | 16 | 12 | 195 |
| EB 804/G 9B/B | 90L4 | 800 | 861 | 905 | 1077 | 630 | 250 | 1130 | 845 | 16 | 12 | 184 |
| EB 904/I 9B/B | 100LB4 | 900 | 958 | 1005 | 1210 | 630 | 280 | 1190 | 925 | 16 | 12 | 232 |
| EB 904/I 9B/B | 112M4 | 900 | 958 | 1005 | 1210 | 630 | 280 | 1190 | 935 | 16 | 12 | 226 |
| EB 904/I 9B/B | 132MA4 | 900 | 958 | 1005 | 1210 | 630 | 280 | 1190 | 980 | 16 | 12 | 243 |
| EB 904/I 9B/B | 132MB4 | 900 | 958 | 1005 | 1210 | 630 | 280 | 1190 | 980 | 16 | 12 | 263 |
| EB 904/I 9B/B | 132SA4 | 900 | 958 | 1005 | 1210 | 630 | 280 | 1190 | 980 | 16 | 12 | 232 |
| EB 904/I 9B/B | 160M4 | 900 | 958 | 1005 | 1210 | 630 | 280 | 1190 | 1050 | 16 | 12 | 237 |
| EB 1004/H 9B/B | 100LB4 | 1000 | 1067 | 1107 | 1347 | 750 | 280 | 1310 | 995 | 24 | 12 | 291 |
| EB 1004/H 9B/B | 112M4 | 1000 | 1067 | 1107 | 1347 | 750 | 280 | 1310 | 1005 | 24 | 12 | 285 |
| EB 1004/H 9B/B | 132MA4 | 1000 | 1067 | 1107 | 1347 | 750 | 280 | 1310 | 1050 | 24 | 12 | 302 |
| EB 1004/H 9B/B | 132SA4 | 1000 | 1067 | 1107 | 1347 | 750 | 280 | 1310 | 1050 | 24 | 12 | 291 |
| EB 1004/H 9B/B | 160L4 | 1000 | 1067 | 1107 | 1347 | 750 | 280 | 1310 | 1100 | 24 | 12 | 296 |
| EB 1004/H 9B/B | 160M4 | 1000 | 1067 | 1107 | 1347 | 750 | 280 | 1310 | 1100 | 24 | 12 | 279 |
| EB 1124/G 9B/B | 112M4 | 1120 | 1200 | 1248 | 1490 | 750 | 315 | 1380 | 1085 | 24 | 12 | 346 |
| EB 1124/G 9B/B | 132MA4 | 1120 | 1200 | 1248 | 1490 | 750 | 315 | 1380 | 1130 | 24 | 12 | 363 |
| EB 1124/G 9B/B | 132SA4 | 1120 | 1200 | 1248 | 1490 | 750 | 315 | 1380 | 1130 | 24 | 12 | 352 |
| EB 1124/G 9B/B | 160L4 | 1120 | 1200 | 1248 | 1490 | 750 | 315 | 1380 | 1185 | 24 | 12 | 337 |
| EB 1124/G 9B/B | 160M4 | 1120 | 1200 | 1248 | 1490 | 750 | 315 | 1380 | 1185 | 24 | 12 | 340 |
| EB 1124/G 9B/B | 180M4 | 1120 | 1200 | 1248 | 1490 | 750 | 315 | 1380 | 1245 | 24 | 12 | 394 |
| EB 1255/F 9B/B | 112M4 | 1250 | 1337 | 1380 | 1670 | 850 | 335 | 1560 | 1160 | 24 | 12 | 485 |
| EB 1255/F 9B/B | 132MA4 | 1250 | 1337 | 1380 | 1670 | 850 | 335 | 1560 | 1205 | 24 | 12 | 502 |
| EB 1255/F 9B/B | 132SA4 | 1250 | 1337 | 1380 | 1670 | 850 | 335 | 1560 | 1205 | 24 | 12 | 491 |
| EB 1255/F 9B/B | 160L4 | 1250 | 1337 | 1380 | 1670 | 850 | 335 | 1560 | 1260 | 24 | 12 | 496 |
| EB 1255/F 9B/B | 160M4 | 1250 | 1337 | 1380 | 1670 | 850 | 335 | 1560 | 1260 | 24 | 12 | 479 |
| EB 1255/F 9B/B | 180M4 | 1250 | 1337 | 1380 | 1670 | 850 | 335 | 1560 | 1310 | 24 | 12 | 533 |
| EB 1406/E 9B/B | 132MA4 | 1400 | 1491 | 1540 | 1870 | 800 | 400 | 1600 | 1305 | 32 | 12 | 610 |
| EB 1406/E 9B/B | 132SA4 | 1400 | 1491 | 1540 | 1870 | 800 | 400 | 1600 | 1305 | 32 | 12 | 599 |
| EB 1406/E 9B/B | 160L4 | 1400 | 1491 | 1540 | 1870 | 800 | 400 | 1600 | 1360 | 32 | 12 | 604 |
| EB 1406/E 9B/B | 160MA4 | 1400 | 1491 | 1540 | 1870 | 800 | 400 | 1600 | 1360 | 32 | 12 | 587 |
| EB 1406/E 9B/B | 180L4 | 1400 | 1491 | 1540 | 1870 | 800 | 400 | 1600 | 1400 | 32 | 12 | 656 |
| EB 1406/E 9B/B | 180M4 | 1400 | 1491 | 1540 | 1870 | 800 | 400 | 1600 | 1400 | 32 | 12 | 641 |
| EB 1604/H 9B/B | 160L6 | 1600 | 1663 | 1730 | 2090 | 950 | 450 | 1850 | 1470 | 32 | 14 | 600 |
| EB 1604/H 9B/B | 180L6 | 1600 | 1663 | 1730 | 2090 | 950 | 450 | 1850 | 1470 | 32 | 14 | 579 |

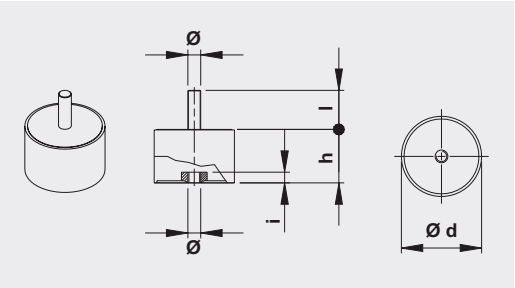
* Según tamaño motor

## AMORTIGUADORES

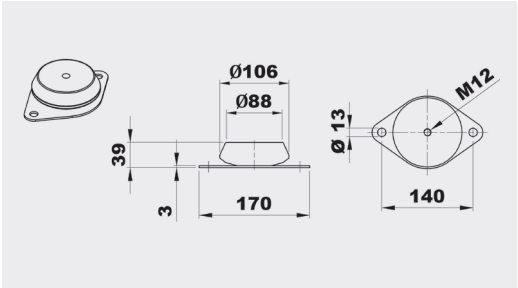
Amortiguadores recomendados

| Ventilador | Ejecución 9 |
|---|---|
| 355/H | 4 x AM 25 - 25x20 |
| 400/G | 4 x AM 25 - 25x20 |
| 450/H | 4 x AM 30 - 30x30 |
| 500/G | 4 x AM 30 - 30x30 |
| 560/H | 4 x AM 40 - 40x30 |
| 630/G | 4 x AM 40 - 40x30 |
| 710/H | 4 x AM 40 - 40x30 |
| 800/G | 4 x AM 50 - 50x40 |
| 900/I | 4 x AM 75 - 75x50 |
| 1000/H | 4 x AM 75 - 75x50 |
| 1120/G | 4 x AM 75 - 75x50 |
| 1250/F | 4 x AZ 39 - 140x39 |
| 1400/E | 4 x AZ 39 - 140x39 |
| 1600/H* | 4 x AZ 39 - 140x39 |

* Versiones con buje de acero

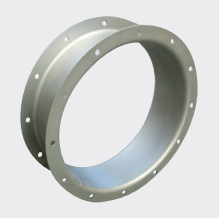



| Tipo | Carga para 4 soportes (kg) | d | h | Ø | l | Peso (kg) |
|---|---|---|---|---|---|---|
| AM 25 | 41÷80 | 25 | 20 | M6 | 18 | 0,03 |
| AM 30 | 81÷140 | 30 | 30 | M8 | 20 | 0,05 |
| AM 40 | 141÷224 | 40 | 30 | M8 | 23 | 0,10 |
| AM 50 | 225÷315 | 50 | 40 | M10 | 28 | 0,20 |
| AM 75 | 316÷630 | 75 | 50 | M12 | 37 | 0,50 |

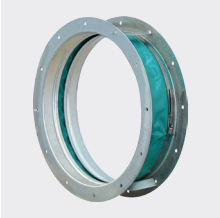



| Tipo | Carga para 4 soportes (kg) | Peso (kg) |
|---|---|---|
| AZ 39 | 631÷1250 | 0,7 |

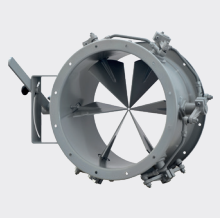
## ACCESORIOS



**CA (CFH1) - CFH2 - CFH3**
Contrabrida - Brida plana circular.



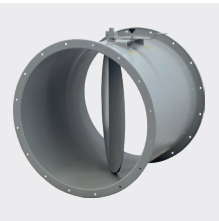
**GA**
Junta flexible aspiración.



**DP**
Regulador de caudal de aspiración.



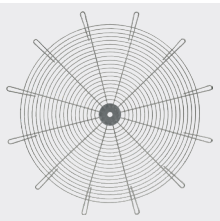
**SAD**
Compuerta de regulación de caudal de descarga.



**SF**
Vávula mariposa.



**DF**
Filtro en la aspiración.



**RC**
Rejilla de protección para la aspiración.



**AM/AZ**
Soportes antivibratorios.



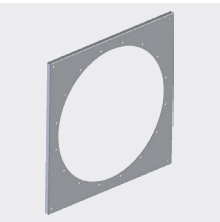
**SCSO**
Silenciador cilíndrico.



**SCCO**
Silenciador cilíndrico con bulbo.



**SG**
Persiana sobrepresión.



**PA**
Panel cuadrado.



**BA**
Embocadura de entrada.

Ver información completa en página **772**.

# Accesorios

Existen combinaciones de accesorios y/o componentes del ventilador que no son técnicamente posibles. En caso de duda rogamos contacte con nuestro servicio de asesoría técnica.

## ACCESORIOS ELÉCTRICOS

**VTM320**
p. 777



**VTM320-IP66-IP55**
p. 778



**CONTROL BOX**
p. 779



**PREDICTSENS**
p. 780



**TRANSMISOR DE TEMPERATURA**
p. 781



**SENSOR DE PROXIMIDAD**
p. 781



**DPS**
p. 782



**TDP-S/TDP-D/TDP-PI**
p. 782



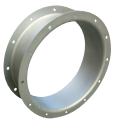
**SENSOR DE VIBRACIONES**
p. 783



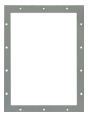
## ACCESORIOS MECÁNICOS

Para ventiladores centrífugos

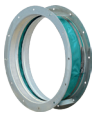
**CA**
p. 787



**CP**
p. 788



**GA**
p. 789

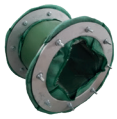


**GP**
p. 790



**ACOPLAMIENTOS ELÁSTICOS**
p. 791

**JUNTAS ESPECIALES**
p. 792



**AM/AZ**
p. 793



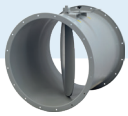
**DP**
p. 794



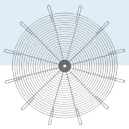
**SA-SAP-SAD-SAPD**
p. 795



**SF**
p. 797



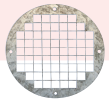
**RC**
p. 799



**DF**
p. 800



**KRJ**
p. 801



**KBA**
p. 801



**KBD**
p. 801



**KAD**
p. 802



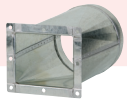
**KMTA**
p. 802



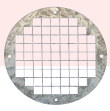
**KMTI**
p. 802



**KMBI**
p. 802



**DEK/KRJ**
p. 803



**CBA/CBS**
p. 803



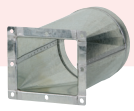
**KMBD**
p. 804



**KBTA/KBTI**
p. 804



**KRBI**
p. 804



Producto S&P  Producto Ferrari  Producto Venture

**FRP** p. 804



**CONTRABRIDA** p. 805



**CONTRABRIDA ROSCADA** p. 805



**ESPIGA** p. 805



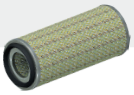
**BRIDA DOBLE** p. 805



**CODO** p. 806



**FILTRO + ADAPTADOR DE FILTRO** p. 806



**SILENCIADOR + BRIDA ACOPLAMIENTO** p. 806



**FILTRO DE CANAL** p. 807



**FILTRO + DEFENSA FILTRO** p. 807



**BRIDA ACOPLAMIENTO VÁLVULA** p. 807



**VÁLVULA DE SOBRECARGA** p. 808



**VÁLVULA DE SOBREPRESIÓN** p. 808



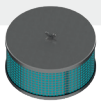
**MANÓMETRO** p. 809



**VÁLVULA DE REGULACIÓN** p. 809



**FILTRO DE ASPIRACIÓN** p. 810



**BRIDA ASPIRACIÓN CON CUELLO** p. 811



**BRIDA ELÁSTICA DE ASPIRACIÓN** p. 811



**DEFENSA DE ASPIRACIÓN** p. 812



**CONTRABRIDA ASPIRACIÓN** p. 812



**ACOPLAMIENTO ELÁSTICO DESCARGA** p. 813



**COMPUERTA** p. 813



**CONTRABRIDA DESCARGA** p. 814



**DEFENSA DESCARGA** p. 814



**BRIDA ACOPLAMIENTO DESCARGA CON CUELLO** p. 815

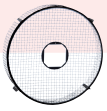


Para ventiladores axiales

**DEF-D** p. 816



**DEF-AN** p. 816



**PER-W** p. 817



**PER-CR** p. 818



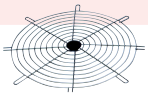
**ARO BRIDA** p. 819



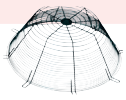
**ACOPEL F400 N** p. 819



**DEFENSA DE ASPIRACIÓN TGT/THGT** p. 820



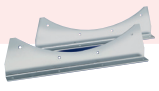
**DEFENSA DE DESCARGA TGT/THGT** p. 820



**AM** p. 821



**PIE SOPORTE TGT** p. 822



**DEF-T**
p. 823



**ARO BRIDA COMPACT**
p. 824



**ARO BRIDA TGT N**
p. 824



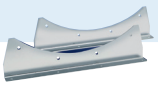
**ACOPEL F400 N**
p. 824



**PIE**
p. 825



**PIE SOPORTE TGT**
p. 825



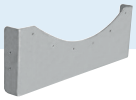
**SG**
p. 826



**PA**
p. 827



**PD**
p. 828



**PD/V**
p. 829



**BA**
p. 830



## ACCESORIOS ACÚSTICOS

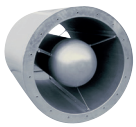
**VENTILADORES INSONORIZADOS**
p. 832



**SILENCIADORES, CIRCULARES, RECTANGULARES Y CAVINAS**
p. 833



**CABINAS DE INSONORIZACIÓN**
p. 840



**SILENT KIT**
p. 841



Producto S&P  Producto Ferrari  Producto Venture

# Accesorios eléctricos

# Variadores

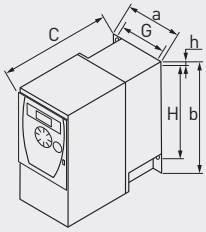
## VFTM320

Convertidores de frecuencia para motores trifasicos de 0.18 a 15kW.
Grado de protección IP20.
Modelos VFTM320 MONO: Tensión de alimentación monofásica 230V-50/60Hz y salida trifásica 230V.
Modelos VFTM320 TRI: Tensión de alimentación trifásica 400V-50/60Hz y salida trifasica 400V.
Pantalla exterior para visualizacion de parametros.
Rueda frontal para regulación manual de velocidad (frecuencia).
Configuración especial plug&play para modos de trabajo presión constante o regulación manual con rueda frontal.
Protección de sobrecargas y cortocircuitos.
Filtro CEM clase 2 integrado.
Protocolos de comunicación Modbus y CANopen integrados de serie.

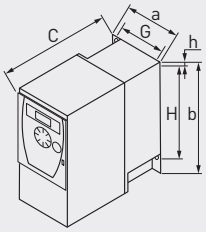




Configuración modelos alimentación trifásica de 5,5 a 15kW.




| Dims. | a | b | c | G | H | h |
|---|---|---|---|---|---|---|
| T1 | 72 | 143 | 109 | 60 | 131 | 6 |
| T2 | 72 | 143 | 128 | 60 | 121,5 | 6 |
| T3 | 72 | 143 | 138 | 60 | 121,5 | 6 |
| T4 | 105 | 142 | 158 | 93 | 118 | 5 |
| T5 | 140 | 184 | 158 | 126 | 157 | 6,5 |
| T6 | 150 | 308 | 232 | 130 | 210 | 5 |
| T7 | 180 | 404 | 232 | 160 | 295 | 7 |

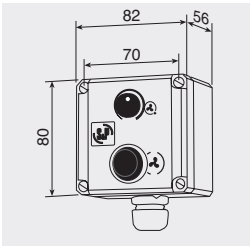



| Dims. | a | b | c | G | H | h |
|---|---|---|---|---|---|---|
| T1 | 72 | 143 | 109 | 60 | 131 | 6 |
| T2 | 72 | 143 | 128 | 60 | 121,5 | 6 |
| T3 | 72 | 143 | 138 | 60 | 121,5 | 6 |
| T4 | 105 | 142 | 158 | 93 | 118 | 5 |
| T5 | 140 | 184 | 158 | 126 | 157 | 6,5 |
| T6 | 150 | 308 | 232 | 130 | 210 | 5 |
| T7 | 180 | 404 | 232 | 160 | 295 | 7 |

**La selección del convertidor de frecuencia debe efectuarse en base a la intensidad máxima absorbida del ventilador o extractor a regular.**

### REB-CVF






Control remoto para convertidores de frecuencia de la gama VFTM320, con interruptor paro/marcha y potenciómetro.

| Modelo | Potencia motor (kW) | Intensidad máxima (A) | Potencia disipada (W) | Dimensiones referencia | Peso (kg) |
|---|---|---|---|---|---|
| Alimentación monofásica 230V-50/60Hz + tierra, salida trifásica 230 V | | | | | |
| VFTM320 MONO 0,18 | 0,18 | 1,5 | 22 | T1 | 0,8 |
| VFTM320 MONO 0,37 | 0,37 | 3,3 | 32 | T2 | 1 |
| VFTM320 MONO 0,55 | 0,55 | 3,7 | 42 | T3 | 1,1 |
| VFTM320 MONO 0,75 | 0,75 | 4,8 | 48 | T3 | 1,1 |
| VFTM320 MONO 1,10 | 1,10 | 6,9 | 66 | T4 | 1,6 |
| VFTM320 MONO 1,5 | 1,5 | 8 | 82 | T4 | 1,6 |
| VFTM320 MONO 2,2 | 2,2 | 11 | 110 | T4 | 1,6 |
| Alimentación trifásica 380/500V-50/60Hz + tierra, salida trifásica 400 V | | | | | |
| VFTM320 TRI 0,37 | 0,37 | 1,5 | 28 | T4 | 1,2 |
| VFTM320 TRI 0,55 | 0,55 | 1,9 | 33 | T4 | 1,2 |
| VFTM320 TRI 0,75 | 0,75 | 2,3 | 38 | T4 | 1,2 |
| VFTM320 TRI 1,10 | 1,10 | 3 | 47 | T4 | 1,3 |
| VFTM320 TRI 1,5 | 1,5 | 4,1 | 61 | T4 | 1,3 |
| VFTM320 TRI 2,2 | 2,2 | 5,5 | 76 | T5 | 2,1 |
| VFTM320 TRI 3 | 3 | 7,1 | 94 | T5 | 2,1 |
| VFTM320 TRI 4 | 4 | 9,5 | 112 | T5 | 2,2 |
| VFTM320 TRI 5,5 | 5,5 | 14,3 | 233 | T6 | 4,4 |
| VFTM320 TRI 7,5 | 7,5 | 17 | 263 | T6 | 4,4 |
| VFTM320 TRI 11 | 11 | 27,7 | 403 | T7 | 6,8 |
| VFTM320 TRI 15 | 15 | 33 | 480 | T7 | 6,9 |

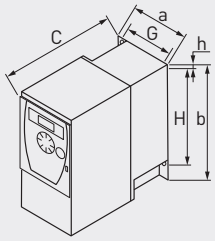
# VFTM320 IP66 / VFTM650 IP55

Convertidores de frecuencia para motores trifásicos de 0.18 a 15kW.
Grado de protección IP66 (IP55 modelos VFTM650 TRI 11 y 15 IP55)
**Modelos VFTM320 MONO IP66:** Tensión de alimentación monofásica 230V-50/60Hz y salida trifásica 230V.
**Modelos VFTM320 TRI IP66 y VFTM650 TRI IP55:** Tensión de alimentacion trifásica 400V-50/60Hz y salida trifásica 400V.
Pantalla exterior para visualización de parámetros.
Rueda frontal interior para regulación manual de velocidad (frecuencia).
Configuración especial plug&play para modos de trabajo presión constante o regulación manual con rueda frontal interna (exceptos modelos VFTM650, sin configuración plug&play de fábrica).
Protección de sobrecargas y cortocircuitos.
Filtro CEM clase 2 integrado.
Protocolos de comunicación Modbus y CANopen integrados de serie (excepto modelos VFTM650 IP55, protocolo Modbus y Ethernet).

**La selección del convertidor de frecuencia debe efectuarse en base a la intensidad máxima absorbida del ventilador o extractor a regular.**

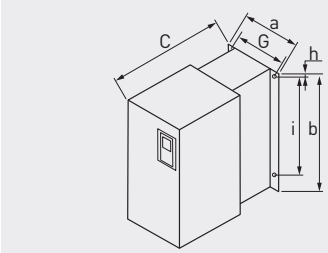







| Dims. | a | b | c | G | H | h |
|---|---|---|---|---|---|---|
| T1 | 250 | 340 | 182 | 231 | 323 | 6,6 |
| T2 | 250 | 340 | 235 | 231 | 323 | 6,6 |
| T3 | 250 | 340 | 200 | 231 | 323 | 6,6 |
| T4 | 320 | 521 | 295 | 300 | 496 | 8 |

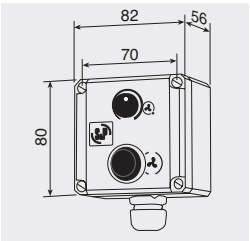
Configuración modelos VFTM650 TRI 11 y 15 IP55




| a | b | c | G | i | H |
|---|---|---|---|---|---|
| 264 | 678 | 299 | 205 | 661 | 8 |

**REB-CVF**






Control remoto para convertidores de frecuencia de la gama VFTM320, con interruptor paro/marcha y potenciómetro.

| Modelo | Potencia motor (kW) | Intensidad máxima (A) | Potencia disipada (W) | Dimensiones referencia | Peso (kg) |
|---|---|---|---|---|---|
| Alimentación monofásica 230V-50/60Hz + tierra, salida trifásica 230 V | | | | | |
| VFTM320 MONO 0,18 IP66 | 0,18 | 1,5 | 22 | T1 | 5 |
| VFTM320 MONO 0,37 IP66 | 0,37 | 3,3 | 32 | T1 | 5,1 |
| VFTM320 MONO 0,55 IP66 | 0,55 | 3,7 | 42 | T1 | 5,1 |
| VFTM320 MONO 0,75 IP66 | 0,75 | 4,8 | 48 | T1 | 5,1 |
| VFTM320 MONO 1,10 IP66 | 1,1 | 6,9 | 66 | T2 | 7,4 |
| VFTM320 MONO 1,5 IP66 | 1,5 | 8 | 82 | T2 | 7,4 |
| VFTM320 MONO 2,2 IP66 | 2,2 | 11 | 110 | T2 | 7,4 |
| Alimentación trifásica 380/500V-50/60Hz + tierra, salida trifásica 400 V | | | | | |
| VFTM320 TRI 0,37 IP66 | 0,37 | 1,5 | 28 | T3 | 5,9 |
| VFTM320 TRI 0,55 IP66 | 0,55 | 1,9 | 33 | T3 | 5,9 |
| VFTM320 TRI 0,75 IP66 | 0,75 | 2,3 | 38 | T3 | 5,9 |
| VFTM320 TRI 1,10 IP66 | 1,1 | 3 | 47 | T3 | 6 |
| VFTM320 TRI 1,5 IP66 | 1,5 | 4,1 | 61 | T3 | 6 |
| VFTM320 TRI 2,2 IP66 | 2,2 | 5,5 | 76 | T2 | 7,7 |
| VFTM320 TRI 3 IP66 | 3 | 7,1 | 94 | T2 | 7,7 |
| VFTM320 TRI 4 IP66 | 4 | 9,5 | 112 | T2 | 7,8 |
| VFTM320 TRI 5,5 IP66 | 5,5 | 14,3 | 233 | T4 | 22 |
| VFTM320 TRI 7,5 IP66 | 7,5 | 17 | 263 | T4 | 22 |
| VFTM650 TRI 11 IP55 | 11 | 23,5 | 371 | Ver tabla | 13,7 |
| VFTM650 TRI 15 IP55 | 15 | 31,7 | 532 | | 19,6 |

# Cuadros eléctricos





## Control box

### CUADRO ELÉCTRICO Y DE CONTROL

Cuadro de control cableado y preparado para realizar diferentes funciones según la aplicación.

### Características

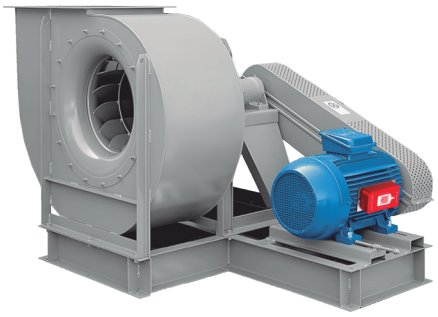
- Armario para ambiente industrial clasificado IP 66 (según IEC 60529).
- Interruptor magnetotérmico y disyuntor magnético para la protección del cuadro y del variador incorporado.
- Variador de frecuencia con protocolo de comunicación Ethernet/ Modbus TCP a través de conector RJ45, adecuado para aplicaciones industriales.
- Potenciómetro de 10 posiciones para fijar una consigna o regulación de la velocidad del ventilador.
- Fuente de alimentación propia con salida 24 V CC.
- Ventilador con termostato incorporado.

### Funcionalidades

- Regulación caudal constante mediante PI a través de sondas de presión (no incluidas).Ejemplo de aplicación industrial: Mantener el caudal constante a través de un filtro. Sistemas de filtración.
- Ajuste de punto de trabajo mediante variador de frecuencia.
- Paro/Marcha manual y de emergencia.
- Estado del ventilador mediante diferentes LEDs

# Monitorización inteligente





## Predictsens

### MANTENIMIENTO PREDICTIVO DE VENTILADORES INDUSTRIALES

**Diagnóstico preciso**
- Saber qué y cuándo priorizar las actividades de mantenimiento.
- Capacidad de diagnosticar fallos mecánicos y eléctricos del motor, incluyendo la gravedad de éstos y las acciones recomendadas.

**Sistema automatizado**
- Realización del mantenimiento de los ventiladores sólo cuando sea necesario.
- Diagnósticos y alarmas generadas automáticamente y personalizados para cada motor.
- No se requieren expertos para el análisis inicial.

**Solución escalable**
- Rápido de configurar, fácil de usar.
- Compatible con todos los motores asíncronos de baja tensión.
- Sin cables ni necesidad de pasarelas adicionales.
- Interfaz user-friendly.

| Código | Modelo | Grupo producto | Precio €/u. |
|---|---|---|---|
| 5416130300 | PREDICTSENS LICENSE 1Y * | E80 | 710,15 |
| 5416095900 | PREDICTSENS SMS | E80 | 934,40 |

*El coste de la licencia es anual y necesario para el mantenimiento de los datos de su PredictSens.

**Mucho más que un sensor**
Una solución de hardware y software basada en IA

El dispositivo envía datos de detección a la nube donde la IA proporciona diagnósticos y ofrece acciones de mantenimiento a través de una plataforma web y una app.

Download on the App Store

Get it on Google Play

### Fallos predecibles

**Excentricidad**
Problema de concentricidad estator / rotor.

**Sistema de alimentación**
Asimetría en corrientes del motor.

**Alineación**
Motor / Carga desalineados.

**Bobinado del estator**
Variación de la resistencia del estator.

**Sistema de refrigeración**
Problema en el sistema de refrigeración del motor.

**Rotor**
Variación de la resistencia del rotor.

**Pata coja / Aflojamiento**
Problema en Sistema de fijación del motor.

**Eje del motor / Equilibrio**
Desplazamiento del centro de gravedad.

**Rodamientos**
Fallos / defectos en rodamientos.

# Controles y sensores

## TEMPERATURA




### Transmisor de temperatura

Transmisor de temperatura apto para sensores PT100, con una sencilla configuración de pulsadores sin PC. Salida de 4-20mA. Alta estabilidad y burnout programable.
Temperatura de trabajo desde 0ºC hasta 100ºC.

## PROXIMIDAD

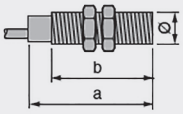


### Sensores inductivos de control de rotación

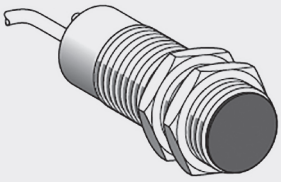
Sensores para control de rotación inductivos, detección de deslizamiento, eje detección de sobrecarga.
Tipo cilíndrico M30.
La unidad proporciona una solución económica para detectar deslizamiento, rotura de la correa, cizallamiento del eje impulsor y sobrecargas, etc.

#### Características

- Temperatura de operación -25ºC hasta 70ºC.
- Distancia nominal respecto al elemento rotante: 10 mm.
- Longitud de cable 2m.
- Grado de protección IP: IP67




a = 81
b = 57
Ø = M30



Longitud (mm)
a = En general
b = Sección roscada

## PRESIÓN



LxAxH (mm): 110 x 57 x 80

# DPS

### PRESOSTATO

Para comprobar el estado de los filtros o verificar
la circulación de aire por los conductos.
Reglaje del valor de consigna.
Protección IP54.
Prensaestopas.
Placa soporte de fijación.
Puede ser usado en exterior.

| Modelo | ΔP |
|---|---|
| PRESOSTATO DPS 2-30 | 20 - 300 Pa |
| PRESOSTATO DPS 10-100 | 100 - 1000 Pa |
| PRESOSTATO DPS 100-500 | 1000 - 5000 Pa |




# TDP-S / TDP-D / TDP-PI

### TRANSMISORES DE PRESIÓN

Transmisores de presión. Se utilizan para controlar la presión
en sistemas DCV del tipo presión constante (COP). Permiten la lectura
de la diferencia de presiones entre dos puntos y la transforman
en una señal analógica apta para los diferentes equipos de control.

### TDP-S

Transmisor de presión estándar.

### TDP-D

Transmisor de presión con display.

### TDP-PI

Transmisor de presión con display y control proporcional integral
mediante punto de consigna. Señal de salida de control directa para
ventiladores ECOWATT o variadores de frecuencia VFTM.

| Modelo | Alimentación | Consumo máximo (VA) | Ø Conectores (mm) | Salida | Índice de protección | Rango de presión | Dimensiones (mm) |
|---|---|---|---|---|---|---|---|
| TDP-S | | | | | | | |
| TDP-D | 24VAC-24VDC | 4 | 6,2 | 0-10 V / 4-20 mA | IP54 | 0-2500 Pa | 91x75x36 |
| TDP-PI | | | | | | | |



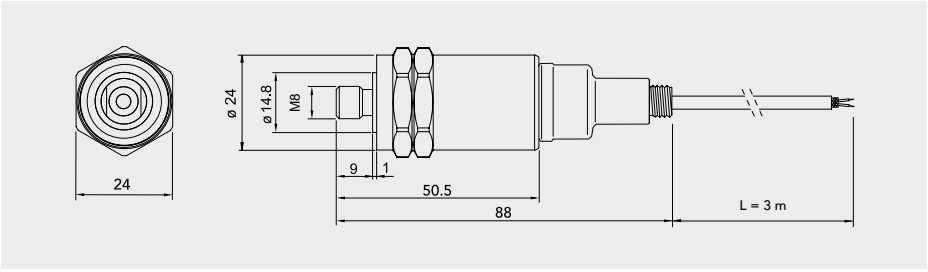


# Sensor de vibraciones

Transmisor de temperatura apto para sensores PT100, con una sencilla configuración de pulsadores sin PC. Salida de 4-20mA. Alta estabilidad y burnout programable.
Temperatura de trabajo desde 0ºC hasta 100ºC.

## Características

- Señal de salida: 4 a 20 mA
- Rango de medición: 0 a 25 mm/s
- Rango de frecuencia: 2 a 1000 Hz
- Tiempo de encendido, bucle de 4-20 mA: < 60 segundos
- Sensibilidad transversal < 10%
- Requisitos de alimentación: 12 a 24 V CC
- Resistencia de bucle a 24 VDC: RL máx. 600Ω
- Material de la carcasa: acero inoxidable a prueba de ácido
- Temperatura de funcionamiento: -40 a 85°C
- Sellado: IP 67
- Aislamiento: caso aislado, > 1 Mohm
- Cable integral: PUR
- Longitud del cable: 3 m (máx. 30m)
- Límite de par: 10 Nm
- Peso: 115 g




*M8 para sensor ATEX

# Accesorios mecánicos

# Accesorios de conexión

## MODELOS DE ACCESORIO PARA LA ASPIRACIÓN SEGÚN VENTILADOR

| Serie Ventilador | | | | | | | | | | | Modelo accesorio aspiración |
|---|---|---|---|---|---|---|---|---|---|---|---|
| FA - K* | FC | KA | FE | KB | FG - VCM | FI | ART - KC | MEC - KM | FP - FQ | FR - FS - DFR - DFM | |
| 311 ÷ 631 | | | | | | | | | | | 50 |
| 711 ÷ 801 | | | | | | | | | | | 63 |
| 901 | | | | | | | | | | | 80 |
| | | | | | | | | | | | 100 |
| | | | | | | | | | | | 112 |
| | 451 | 401 | | | | | | 221 | | | 125 |
| 311 ÷ 631 | 501 | 451 | 401 | | | | | | | | 140 |
| 711 ÷ 801 | 561 | 501 | 451 | | | | | | | | 160 |
| 901 | 631 | 561 | 501 | 401 | 351 | | | 251 | | 181 | 180 |
| | 711 | 631 | 561 | 451 | 401 | | | 281 | 251 | 201 | 200 |
| | 801 | 711 | 631 | 501 | 451 | 401 | | 311 | 281 | 221 | 224 |
| | 901 | 801 | 711 | 561 | 501 | 451 | 401 | 351 | 311 | 251 | 250 |
| | 1001 | 901 | 801 | 631 | 561 | 501 | 451 | 401 | 351 | 281 | 280 |
| | 1121 | 1001 | 901 | 711 | 631 | 561 | 501 | 451 | 401 | 311 | 315 |
| | | 1121 | 1001 | 801 | 711 | 631 | 561 | 501 | 451 | 351 | 355 |
| | | 1251 | 1121 | 901 | 801 | 711 | 631 | 561 | 501 | 401 | 400 |
| | | | 1251 | 1001 | 901 | 801 | 711 | 631 | 561 | 451 | 450 |
| | | | 1401 | 1121 | 1001 | 901 | 801 | 711 | 631 | 501 | 500 |
| | | | | 1251 | 1121 | 1001 | 901 | 801 | 711 | 561 | 560 |
| | | | | 1401 | 1251 | 1121 | 1001 | 901 | 801 | 631 | 630 |
| | | | | | 1401 | 1251 | 1121 | 1001 | 901 | 711 | 710 |
| | | | | | 1601 | 1401 | 1251 | 1121 | 1001 | 801 | 800 |
| | | | | | 1801 | 1601 | 1401 | 1251 | 1121 | 901 | 900 |
| | | | | | 2001 | 1801 | 1601 | 1401 | 1251 | 1001 | 1000 |
| | | | | | | 2001 | 1801 | 1601 | 1401 | 1121 | 1120 |
| | | | | | | | 2001 | 1801 | 1601 | 1251 | 1250 |
| | | | | | | | | 2001 | 1801 | 1401 | 1400 |
| | | | | | | | | | 2001 | 1601 | 1600 |
| | | | | | | | | | | 1801 | 1800 |
| | | | | | | | | | | 2001 | 2000 |

* Para ambas series los accesorios de aspiración y los de descarga son circulares, por lo que se debe utilizar sólo esta tabla

## MODELOS DE ACCESORIO PARA LA DESCARGA SEGÚN VENTILADOR

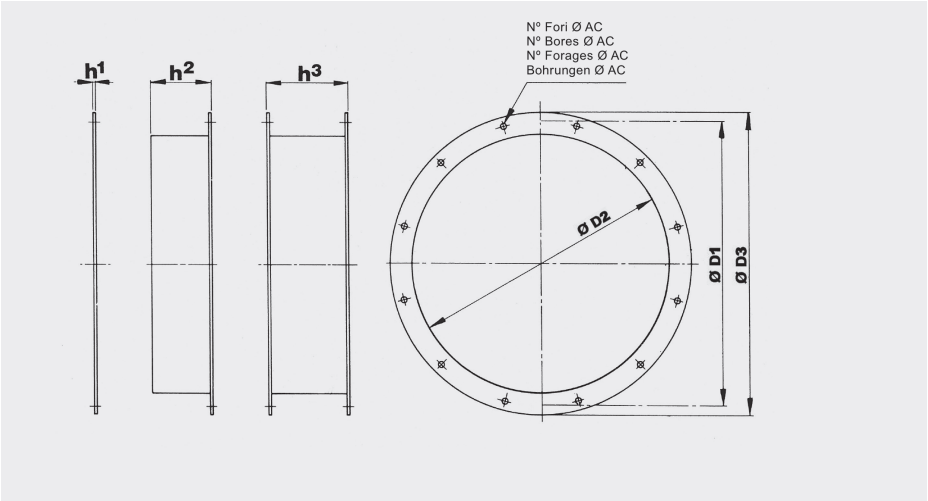
| Serie Ventilador | | | | | | | | | Modelo accesorio descarga |
|---|---|---|---|---|---|---|---|---|---|
| FC | KA | FE | FG - VCM - KB | FI | ART - KC | FP - MEC - KM - FQ | FR - FS - DFM | DFR | |
| | | | | | | | | | 80x56 |
| 451 | 401 | | | | | | | | 90x63 |
| 501 | 451 | 401 | | | | | | | 100x71 |
| 561 | 501 | 451 | | | | | | | 112x80 |
| 631 | 561 | 501 | | | | | | | 125x90 |
| 711 | 631 | 561 | 351 | | | 221 | | | 140x100 |
| 801 | 711 | 631 | 401 | | | | | | 160x112 |
| 901 | 801 | 711 | 451 | | | | 181 | | 180x125 |
| 1001 | 901 | 801 | 501 | 401 | | 251 | 201 | | 200x140 |
| 1121 | 1001 | 901 | 561 | 451 | | 281 | 221 | | 224x160 |
| | 1121 | 1001 | 631 | 501 | 401 | 311 | 251 | | 250x180 |
| | 1251 | 1121 | 711 | 561 | 451 | 351 | 281 | | 280x200 |
| | | 1251 | 801 | 631 | 501 | 401 | 311 | | 315x224 |
| | | 1401 | 901 | 711 | 561 | 451 | 351 | | 355x250 |
| | | | 1001 | 801 | 631 | 501 | 401 | | 400x280 |
| | | | 1121 | 901 | 711 | 561 | 451 | | 450x315 |
| | | | 1251 | 1001 | 801 | 631 | 501 | | 500x355 |
| | | | 1401 | 1121 | 901 | 711 | 561 | 401 | 560x400 |
| | | | 1601 | 1251 | 1001 | 801 | 631 | 451 | 630x450 |
| | | | 1801 | 1401 | 1121 | 901 | 711 | 501 | 710x500 |
| | | | 2001 | 1601 | 1251 | 1001 | 801 | 561 | 800x560 |
| | | | | 1801 | 1401 | 1121 | 901 | 631 | 900x630 |
| | | | | 2001 | 1601 | 1251 | 1001 | 711 | 1000x710 |
| | | | | | 1801 | 1401 | 1121 | 801 | 1120x800 |
| | | | | | 2001 | 1601 | 1251 | 901 | 1250x900 |
| | | | | | | 1801 | 1401 | 1001 | 1400x1000 |
| | | | | | | 2001 | 1601 | 1121 | 1600x1120 |
| | | | | | | | 1801 | 1251 | 1800x1250 |
| | | | | | | | 2001 | 1401 | 2000x1400 |
| | | | | | | | | 1601 | 2240x1600 |
| | | | | | | | | 1801 | 2500x1800 |
| | | | | | | | | 2001 | 2800x2000 |



# CA (CFH1) CFH2 CFH3

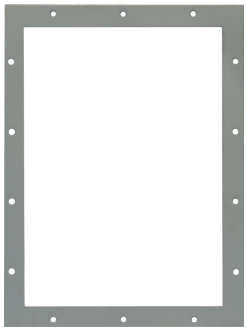
## CONTRABRIDA ACOPLAMIENTO ASPIRACIÓN

Contrabrida disponible en 3 versiones (ver tabla).
H1: Brida plana
H2: Brida plana con cuello
H3: Brida doble



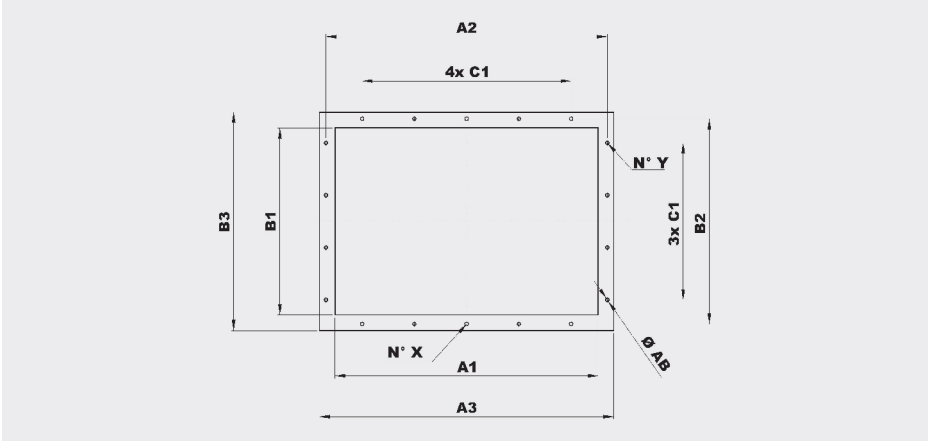

Plano correspondiente a la brida doble CFH3.

| Modelo | Dimensiones (mm) | | | | | | Agujeros | | Peso (kg) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ø D2 | Ø D1 | Ø D3 | h1 | h2 | h3 | n° | Ø AC | kg1 | kg2 | kg3 |
| CA 50 | 54 | 84 | 104 | 4 | – | – | 8 | 4 | 0,19 | – | – |
| CA 63 | 66 | 102 | 126 | 4 | – | – | 8 | 4 | 0,27 | – | – |
| CA 80 | 83 | 118 | 143 | 4 | – | – | 8 | 4 | 0,32 | – | – |
| CA 100 | 103 | 139 | 163 | 4 | – | – | 8 | 4 | 0,38 | – | – |
| CA 112 | 115 | 151 | 175 | 4 | – | – | 8 | 4 | 0,42 | – | – |
| CA 125 | 129 | 165 | 189 | 4 | – | – | 8 | 4 | 0,46 | – | – |
| CA 140 | 144 | 182 | 214 | 8 | – | – | 8 | 4 | 0,60 | – | – |
| CA 160 | 164 | 200 | 234 | 8 | – | – | 8 | 4 | 0,67 | – | – |
| CA 180 | 184 | 219 | 254 | 8 | – | – | 8 | 4 | 0,74 | – | – |
| CA 200 | 204 | 241 | 274 | 8 | – | – | 8 | 4 | 0,81 | – | – |
| CA 224 | 228 | 265 | 298 | 8 | – | – | 8 | 4 | 0,89 | – | – |
| CA 250 | 254 | 292 | 324 | 4 | 50 | – | 8 | 10 | 1,40 | 2,0 | – |
| CA 280 | 285 | 332 | 365 | 4 | 50 | – | 8 | 10 | 2,50 | 2,2 | – |
| CA 315 | 320 | 366 | 400 | 4 | 100 | 160 | 8 | 10 | 2,80 | 2,5 | 5 |
| CA 355 | 360 | 405 | 440 | 4 | 100 | 160 | 8 | 10 | 3,70 | 3,0 | 6 |
| CA 400 | 405 | 448 | 485 | 4 | 100 | 160 | 12 | 10 | 3,40 | 3,5 | 7 |
| CA 450 | 455 | 497 | 535 | 5 | 112 | 160 | 12 | 10 | 3,80 | 4,0 | 8 |
| CA 500 | 505 | 551 | 585 | 5 | 112 | 160 | 12 | 10 | 4,20 | 4,5 | 9 |
| CA 560 | 566 | 629 | 666 | 5 | 112 | 160 | 12 | 10 | 6,00 | 5,5 | 11 |
| CA 630 | 636 | 698 | 736 | 5 | 112 | 160 | 12 | 10 | 6,70 | 6,5 | 13 |
| CA 710 | 716 | 775 | 816 | 5 | 125 | 180 | 16 | 12 | 7,50 | 8,0 | 16 |
| CA 800 | 806 | 861 | 906 | 5 | 125 | 180 | 16 | 12 | 8,30 | 9,5 | 19 |
| CA 900 | 906 | 958 | 1006 | 5 | 125 | 200 | 16 | 12 | 9,30 | 11,5 | 23 |
| CA 1000 | 1007 | 1067 | 1107 | 6 | 125 | 200 | 24 | 12 | 10,30 | 13,5 | 27 |
| CA 1120 | 1128 | 1200 | 1248 | 6 | 140 | 224 | 24 | 12 | 17,00 | 18,0 | 36 |
| CA 1250 | 1260 | 1337 | 1380 | 8 | 140 | 224 | 24 | 12 | 19,00 | 22,0 | 45 |
| CA 1400 | 1420 | 1491 | 1540 | 8 | 140 | 250 | 32 | 14 | 21,00 | 25,0 | 50 |
| CA 1600 | 1610 | 1663 | 1730 | 10 | 140 | 250 | 32 | 14 | 24,00 | 32,0 | 63 |
| CA 1800 | 1810 | 1856 | 1930 | 10 | 160 | 280 | 32 | 14 | 27,00 | 40,0 | 80 |
| CA 2000 | 2010 | 2073 | 2130 | 12 | 160 | 280 | 32 | 14 | 30,00 | 50,0 | 100 |

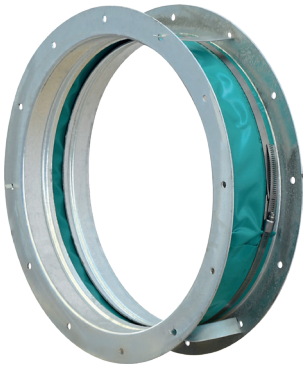


# CP

## BRIDA PLANA RECTANGULAR




| Serie Ventilador | | | | | | | | | Modelo de brida | Dimensiones (mm) | | | | | | | | | | | Peso (kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FC | KA | FE | FG VCM KB | FI | ART KC | FP MEC KM FQ | FR FS DFM | DFR | | A1 | B1 | A2 | B2 | A3 | B3 | C1 | NºX | NºY | ØAB | d x e | |
| | | | | | | | | | 80x56 | 84 | 60 | 118 | 94 | 134 | 110 | - | 1+1 | 1+1 | 10 | 25x4 | 0,30 |
| 451 | 401 | | | | | | | | 90x63 | 95 | 68 | 129 | 102 | 145 | 118 | - | 1+1 | 1+1 | 10 | 25x4 | 0,41 |
| 501 | 451 | 401 | | | | | | | 100x71 | 105 | 76 | 139 | 110 | 165 | 136 | - | 1+1 | 1+1 | 10 | 30x4 | 0,44 |
| 561 | 501 | 451 | | | | | | | 112x80 | 117 | 85 | 151 | 119 | 177 | 145 | - | 1+1 | 1+1 | 10 | 30x4 | 0,48 |
| 631 | 561 | 501 | | | | | | | 125x90 | 131 | 95 | 165 | 129 | 191 | 155 | 100 | 1+1 | 2+2 | 10 | 30x4 | 0,53 |
| 711 | 631 | 561 | 351 | | | 221 | | | 140x100 | 146 | 105 | 182 | 139 | 216 | 175 | 112 | 1+1 | 2+2 | 12 | 35x4 | 0,70 |
| 801 | 711 | 631 | 401 | | | | | | 160x112 | 164 | 117 | 200 | 151 | 234 | 187 | 112 | 1+1 | 2+2 | 12 | 35x4 | 0,76 |
| 901 | 801 | 711 | 451 | | | | 181 | | 180x125 | 183 | 131 | 219 | 165 | 253 | 201 | 112 | 1+1 | 2+2 | 12 | 35x4 | 0,83 |
| 1001 | 901 | 801 | 501 | 401 | | 251 | 201 | | 200x140 | 205 | 146 | 241 | 182 | 275 | 216 | 112 | 2+2 | 2+2 | 12 | 35x4 | 0,91 |
| 1121 | 1001 | 901 | 561 | 451 | | 281 | 221 | | 224x160 | 229 | 164 | 265 | 200 | 299 | 234 | 112 | 2+2 | 2+2 | 12 | 35x4 | 1,00 |
| | 1121 | 1001 | 631 | 501 | 401 | 311 | 251 | | 250x180 | 256 | 183 | 292 | 219 | 326 | 253 | 112 | 2+2 | 3+3 | 12 | 35x4 | 1,10 |
| | 1251 | 1121 | 711 | 561 | 451 | 351 | 281 | | 280x200 | 288 | 205 | 332 | 249 | 368 | 285 | 125 | 2+2 | 3+3 | 12 | 40x5 | 1,77 |
| | | 1251 | 801 | 631 | 501 | 401 | 311 | | 315x224 | 322 | 229 | 366 | 273 | 402 | 309 | 125 | 2+2 | 3+3 | 12 | 40x5 | 1,95 |
| | | 1401 | 901 | 711 | 561 | 451 | 351 | | 355x250 | 361 | 256 | 405 | 300 | 441 | 336 | 125 | 2+2 | 3+3 | 12 | 40x5 | 2,15 |
| | | | 1001 | 801 | 631 | 501 | 401 | | 400x280 | 404 | 288 | 448 | 332 | 484 | 368 | 125 | 3+3 | 4+4 | 12 | 40x5 | 2,38 |
| | | | 1121 | 901 | 711 | 561 | 451 | | 450x315 | 453 | 322 | 497 | 366 | 533 | 402 | 125 | 3+3 | 4+4 | 12 | 40x5 | 2,64 |
| | | | 1251 | 1001 | 801 | 631 | 501 | | 500x355 | 507 | 361 | 551 | 405 | 587 | 441 | 125 | 3+3 | 4+4 | 12 | 40x5 | 2,93 |
| | | | 1401 | 1121 | 901 | 711 | 561 | 401 | 560x400 | 569 | 404 | 629 | 464 | 669 | 504 | 160 | 3+3 | 4+4 | 14 | 50x6 | 5,00 |
| | | | 1601 | 1251 | 1001 | 801 | 631 | 451 | 630x450 | 638 | 453 | 698 | 513 | 738 | 553 | 160 | 3+3 | 4+4 | 14 | 50x6 | 5,55 |
| | | | 1801 | 1401 | 1121 | 901 | 711 | 501 | 710x500 | 715 | 507 | 775 | 567 | 815 | 607 | 160 | 3+3 | 5+5 | 14 | 50x6 | 6,14 |
| | | | 2001 | 1601 | 1251 | 1001 | 801 | 561 | 800x560 | 801 | 569 | 871 | 639 | 921 | 689 | 200 | 3+3 | 4+4 | 14 | 60x8 | 11,10 |
| | | | | 1801 | 1401 | 1121 | 901 | 631 | 900x630 | 898 | 638 | 968 | 708 | 1018 | 758 | 200 | 4+4 | 5+5 | 14 | 60x8 | 12,40 |
| | | | | 2001 | 1601 | 1251 | 1001 | 711 | 1000x710 | 1007 | 715 | 1077 | 785 | 1127 | 835 | 200 | 4+4 | 5+5 | 14 | 60x8 | 13,80 |
| | | | | | 1801 | 1401 | 1121 | 801 | 1120x800 | 1130 | 801 | 1210 | 881 | 1270 | 941 | 200 | 4+4 | 6+6 | 18 | 70x8 | 18,00 |
| | | | | | 2001 | 1601 | 1251 | 901 | 1250x900 | 1267 | 898 | 1347 | 978 | 1407 | 1038 | 200 | 5+5 | 7+7 | 18 | 70x8 | 20,10 |
| | | | | | | 1801 | 1401 | 1001 | 1400x1000 | 1421 | 1007 | 1501 | 1087 | 1561 | 1147 | 200 | 5+5 | 7+7 | 18 | 70x8 | 22,40 |
| | | | | | | 2001 | 1601 | 1121 | 1600x1120 | 1593 | 1130 | 1683 | 1220 | 1753 | 1290 | 200 | 6+6 | 8+8 | 22 | 80x10 | 35,90 |
| | | | | | | | 1801 | 1251 | 1800x1250 | 1786 | 1267 | 1876 | 1357 | 1946 | 1427 | 200 | 7+7 | 9+9 | 22 | 80x10 | 40,00 |
| | | | | | | | 2001 | 1401 | 2000x1400 | 2003 | 1421 | 2093 | 1511 | 2163 | 1581 | 200 | 7+7 | 10+10 | 22 | 80x10 | 44,60 |
| | | | | | | | | 1601 | 2240x1600 | 2248 | 1593 | 2348 | 1693 | 2428 | 1773 | 200 | 8+8 | 12+12 | 22 | 90x10 | 56,30 |
| | | | | | | | | 1801 | 2500x1800 | 2521 | 1786 | 2621 | 1886 | 2701 | 1966 | 200 | 9+9 | 13+13 | 22 | 90x10 | 62,90 |
| | | | | | | | | 2001 | 2800x2000 | 2810 | 2003 | 2910 | 2103 | 2990 | 2183 | 200 | 10+10 | 14+14 | 22 | 90x10 | 70,00 |

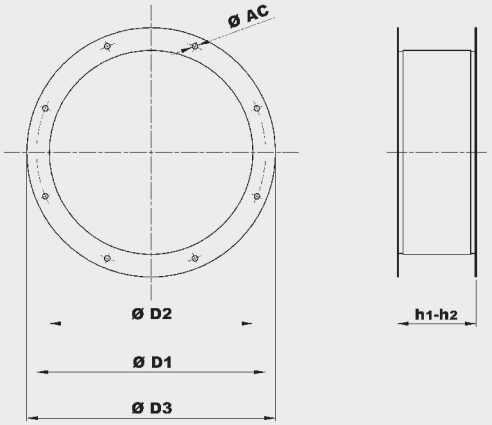


# GA

## JUNTA FLEXIBLE ASPIRACIÓN

Junta antivibrante de aspiración, utilizada para evitar la transmisión de ruidos y vibraciones.

| Tipo | h1 | h2 |
|---|---|---|
| | 2-3 | 5-6 |




| Modelo | Dimensiones (mm) | | | | | | | Peso (kg) |
|---|---|---|---|---|---|---|---|---|
| | ØD2 | ØD1 | ØD3 | ØAC | Agujeros | h1 | h2 | |
| GA 50 | 50 | 84 | 104 | 8 | 4 | 140 | - | 0,7 |
| GA 63 | 62 | 102 | 126 | 8 | 4 | 140 | - | 0,8 |
| GA 80 | 80 | 118 | 143 | 8 | 4 | 140 | - | 1,0 |
| GA 100 | 100 | 139 | 163 | 8 | 4 | 140 | - | 1,3 |
| GA 112 | 112 | 151 | 175 | 8 | 4 | 140 | - | 1,4 |
| GA 125 | 126 | 165 | 189 | 8 | 4 | 140 | 140 | 1,5 |
| GA 140 | 140 | 182 | 215 | 8 | 8 | 140 | 140 | 1,6 |
| GA 160 | 160 | 200 | 235 | 8 | 8 | 140 | 140 | 1,8 |
| GA 180 | 172 | 219 | 252 | 8 | 8 | 140 | 160 | 2,0 |
| GA 200 | 196 | 241 | 274 | 8 | 8 | 140 | 160 | 2,2 |
| GA 224 | 218 | 265 | 298 | 8 | 8 | 140 | 160 | 2,5 |
| GA 250 | 245 | 292 | 324 | 10 | 8 | 140 | 160 | 2,8 |
| GA 280 | 277 | 332 | 365 | 10 | 8 | 140 | 160 | 3,0 |
| GA 315 | 313 | 366 | 400 | 10 | 8 | 140 | 160 | 4,5 |
| GA 355 | 352 | 405 | 440 | 10 | 8 | 140 | 160 | 5,5 |
| GA 400 | 398 | 448 | 485 | 10 | 12 | 140 | 160 | 6,0 |
| GA 450 | 442 | 497 | 535 | 10 | 12 | 140 | 160 | 6,5 |
| GA 500 | 496 | 551 | 585 | 10 | 12 | 160 | 180 | 9,5 |
| GA 560 | 561 | 629 | 666 | 10 | 12 | 160 | 180 | 10,0 |
| GA 630 | 631 | 698 | 736 | 10 | 12 | 160 | 180 | 11,0 |
| GA 710 | 712 | 775 | 816 | 12 | 16 | 160 | 180 | 12,5 |
| GA 800 | 801 | 861 | 906 | 12 | 16 | 160 | 180 | 17,0 |
| GA 900 | 892 | 958 | 1006 | 12 | 16 | 160 | 180 | 19,0 |
| GA 1000 | 1000 | 1067 | 1107 | 12 | 24 | 200 | 200 | 27,0 |
| GA 1120 | 1120 | 1200 | 1248 | 12 | 24 | 200 | 200 | 32,0 |
| GA 1250 | 1250 | 1337 | 1380 | 12 | 24 | 200 | 200 | 37,0 |
| GA 1400 | 1400 | 1491 | 1540 | 12 | 32 | 200 | 200 | 43,0 |
| GA 1600 | 1600 | 1663 | 1730 | 14 | 32 | 200 | 200 | 48,0 |
| GA 1800 | 1800 | 1856 | 1930 | 14 | 32 | 200 | 200 | 66,0 |
| GA 2000 | 2000 | 2073 | 2130 | 14 | 32 | 200 | 200 | 73,0 |

* El peso corresponde a la junta flexible tipo 5

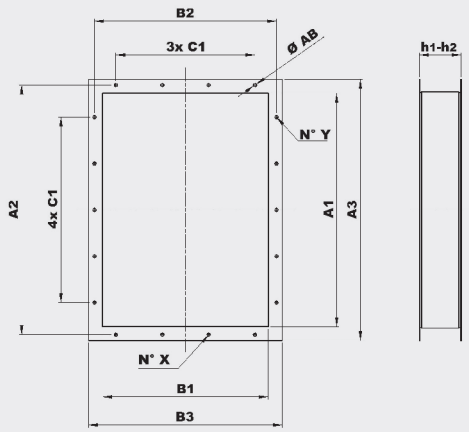


# GP

## JUNTA FLEXIBLE DESCARGA

Junta antivibrante de descarga, utilizada para evitar la transmisión de ruidos y vibraciones.

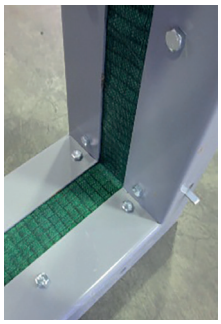
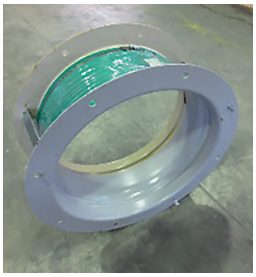
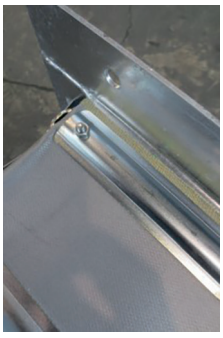
| Tipo | h1 | h2 |
|---|---|---|
| | 2-3 | 5-6 |




| Modelo | Dimensiones (mm) | | | | | | | | | | | | Peso (kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A1 | B1 | A2 | B2 | A3 | B3 | C1 | ØAB | N°X | N°Y | h1 | h2 | |
| GP 90x63 | 95 | 68 | 129 | 102 | 155 | 128 | 100 | 10 | 1+1 | 1+1 | 140 | 140 | 0,4 |
| GP 100x71 | 105 | 76 | 139 | 110 | 165 | 136 | 100 | 10 | 1+1 | 1+1 | 140 | 140 | 0,5 |
| GP 112x80 | 117 | 85 | 151 | 119 | 177 | 145 | 100 | 10 | 1+1 | 1+1 | 140 | 140 | 0,6 |
| GP 125x90 | 131 | 95 | 165 | 129 | 191 | 155 | 100 | 10 | 1+1 | 2+2 | 140 | 140 | 0,7 |
| GP 140x100 | 146 | 105 | 182 | 139 | 216 | 175 | 112 | 12 | 1+1 | 2+2 | 140 | 140 | 0,8 |
| GP 160x112 | 164 | 117 | 200 | 151 | 234 | 187 | 112 | 12 | 1+1 | 2+2 | 140 | 140 | 0,9 |
| GP 180x125 | 183 | 131 | 219 | 165 | 253 | 201 | 112 | 12 | 1+1 | 2+2 | 140 | 140 | 1,0 |
| GP 200x140 | 205 | 146 | 241 | 182 | 275 | 216 | 112 | 12 | 2+2 | 2+2 | 140 | 160 | 1,3 |
| GP 224x160 | 229 | 164 | 265 | 200 | 299 | 234 | 112 | 12 | 2+2 | 2+2 | 140 | 160 | 1,7 |
| GP 250x180 | 256 | 183 | 292 | 219 | 326 | 253 | 112 | 12 | 2+2 | 3+3 | 140 | 160 | 4,8 |
| GP 280X200 | 288 | 205 | 332 | 249 | 368 | 285 | 125 | 12 | 2+2 | 3+3 | 140 | 160 | 5,4 |
| GP 315x224 | 322 | 229 | 366 | 273 | 402 | 309 | 125 | 12 | 2+2 | 3+3 | 140 | 160 | 6,0 |
| GP 355x250 | 361 | 256 | 405 | 300 | 441 | 336 | 125 | 12 | 2+2 | 3+3 | 140 | 160 | 8,0 |
| GP 400x280 | 404 | 288 | 448 | 332 | 484 | 368 | 125 | 12 | 3+3 | 4+4 | 140 | 160 | 8,5 |
| GP 450x315 | 453 | 322 | 497 | 366 | 533 | 402 | 125 | 12 | 3+3 | 4+4 | 140 | 160 | 9,5 |
| GP 500x355 | 507 | 361 | 551 | 405 | 587 | 441 | 125 | 12 | 3+3 | 4+4 | 140 | 160 | 11,0 |
| GP 560x400 | 569 | 404 | 629 | 464 | 669 | 504 | 160 | 14 | 3+3 | 4+4 | 160 | 180 | 12,5 |
| GP 630x450 | 638 | 453 | 698 | 513 | 738 | 553 | 160 | 14 | 3+3 | 4+4 | 160 | 180 | 14,5 |
| GP 710x500 | 715 | 507 | 775 | 567 | 815 | 607 | 160 | 14 | 3+3 | 5+5 | 160 | 180 | 17,0 |
| GP 800X560 | 801 | 569 | 871 | 639 | 921 | 689 | 200 | 14 | 3+3 | 4+4 | 160 | 180 | 23,0 |
| GP 900x630 | 898 | 638 | 968 | 708 | 1018 | 758 | 200 | 14 | 4+4 | 5+5 | 160 | 180 | 24,0 |
| GP 1000x710 | 1007 | 715 | 1077 | 785 | 1127 | 835 | 200 | 14 | 4+4 | 5+5 | 160 | 180 | 25,0 |
| GP 1120x800 | 1130 | 801 | 1210 | 881 | 1270 | 941 | 200 | 18 | 4+4 | 6+6 | 160 | 200 | 31,0 |
| GP 1250x900 | 1267 | 898 | 1347 | 978 | 1407 | 1038 | 200 | 18 | 5+5 | 7+7 | 160 | 200 | 35,0 |
| GP 1400x1000 | 1421 | 1007 | 1501 | 1087 | 1561 | 1147 | 200 | 18 | 5+5 | 7+7 | 160 | 200 | 37,0 |
| GP 1600x1120 | 1593 | 1130 | 1683 | 1220 | 1753 | 1290 | 200 | 22 | 6+6 | 8+8 | 160 | 200 | 40,0 |
| GP 1800x1250 | 1786 | 1267 | 1876 | 1357 | 1946 | 1427 | 200 | 22 | 7+7 | 9+9 | 160 | 200 | 44,0 |
| GP 2000x1400 | 2003 | 1421 | 2093 | 1511 | 2163 | 1581 | 200 | 22 | 7+7 | 10+10 | 160 | 200 | 50,0 |
| GP 2240x1600 | 2248 | 1593 | 2348 | 1693 | 2428 | 1773 | 200 | 22 | 8+8 | 12+12 | 200 | 200 | 60,0 |
| GP 2500x1800 | 2521 | 1786 | 2621 | 1886 | 2701 | 1966 | 200 | 22 | 9+9 | 13+13 | 200 | 200 | 80,0 |
| GP 2800x2000 | 2810 | 2003 | 2910 | 2103 | 2990 | 2183 | 200 | 22 | 10+10 | 14+14 | 200 | 200 | 112,0 |

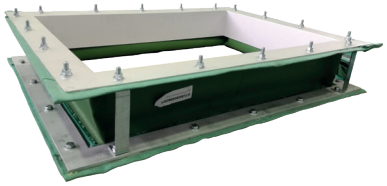
* El peso corresponde a la junta flexible tipo 5

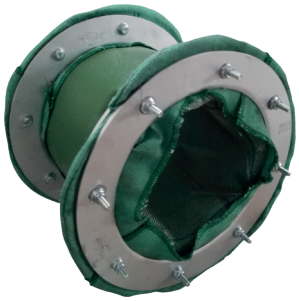
# Acoplamientos elásticos (tipos)

| Tipo | Forma constructiva | Temp. | Ejemplo |
|---|---|---|---|
| 2 | **JUNTA EN P.V.C.**<br>Pegar la junta con cola<br>HENKEL TANGIT PVC-U o equivalente | 60° |   |
| 3 | **JUNTA EN FIBRA DE VIDRIO DE SILICONA**<br>Pegar la junta con cola<br>AREXONS SYSTEM SIL 400 o equivalente | 300° |   |
| 5 | **JUNTA EN P.V.C.**<br>**Junta con pletinas sujeción en chapa antidesgaste**<br>Pegar la junta con cola<br>HENKEL TANGIT PVC-U o equivalente | 60° |   |
| 6 | **JUNTA EN FIBRA DE VIDRIO DE SILICONA**<br>**Junta con pletinas sujeción en chapa antidesgaste**<br>Pegar la junta con cola<br>AREXONS SYSTEM SIL 400 o equivalente | 300° |   |
| 9 | **JUNTA EN FIBRA DE VIDRIO CON ALUMINIO Y LATÓN**<br>**+ DERIVACIÓN A TIERRA MEDIANTE LATÓN TRENZADO**<br>Para aplicaciones ATEX 2G | 60° |   |

Muy importante: Utilizar la cola recomendada para cada tipo de junta elástica





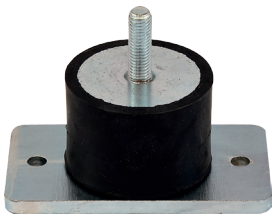


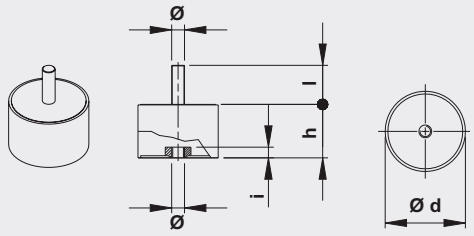
## Juntas especiales

| Modelo | Características | Presión máxima admitida (mmwg) | Temperatura máxima (ºC) | Aplicación |
|---|---|---|---|---|
| GTUB/3 | Multicapa | 2000 | 450 | Junta para aplicaciones de alta temperatura, humos con partículas abrasivas (habitual en acerías y fundiciones). |
| GTUB/4 | Multicapa | 2000 | 260 | Junta insonorizada, para humos o aire. Sector industrial. |
| GTUB/5 | Multicapa | 2000 | 300 | Alternativa a la junta GTUB/3 para aire y humos del sector industrial (no marino ni petroquímico). |
| GTUB/7 | Monocapa | 2000 | 270 | Aplicaciones ATEX |
| GTUB/8T | Multicapa | 2000 | 260 | Junta teflonada, laminada termosaldada para aire y humos con condesación. T min: -60ºC. Garantía de estanqueidad del 90%. Sectores más habituales: petroquímico, marino y residuos. |
| GTUB/12 | Multicapa | 2000 | 70 | Junta con doble revestimiento de poliéster, PVC por ambas caras. Para aire limpio. |

# Amortiguadores

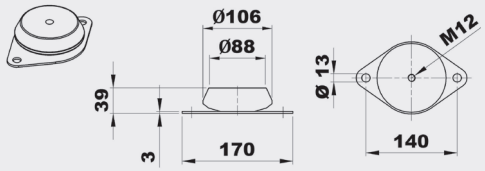
## AM/AZ



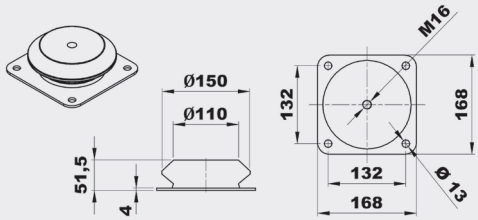



| Tipo | Carga para 4 soportes (kg) | d | h | Ø | l | Peso (kg) |
|---|---|---|---|---|---|---|
| AM 20 | 11÷40 | 20 | 20 | M6 | 15 | 0,02 |
| AM 25 | 41÷80 | 25 | 20 | M6 | 18 | 0,03 |
| AM 30 | 81÷140 | 30 | 30 | M8 | 20 | 0,05 |
| AM 40 | 141÷224 | 40 | 30 | M8 | 23 | 0,10 |
| AM 50 | 225÷315 | 50 | 40 | M10 | 28 | 0,20 |
| AM 75 | 316÷630 | 75 | 50 | M12 | 37 | 0,50 |

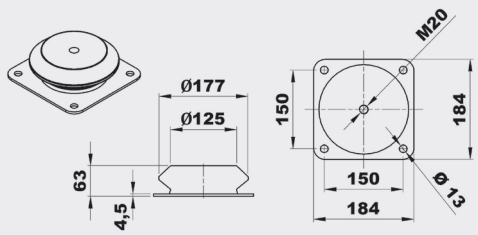





| Tipo | Carga para 4 soportes (kg) | Peso (kg) |
|---|---|---|
| AZ 39 | 631÷1250 | 0,7 |




| Tipo | Carga para 4 soportes (kg) | Peso (kg) |
|---|---|---|
| AZ 51 | 1251÷2500 | 1,8 |




| Tipo | Carga para 4 soportes (kg) | Peso (kg) |
|---|---|---|
| AZ 63 | 2501÷5000 | 2,5 |

# Válvulas y compuertas



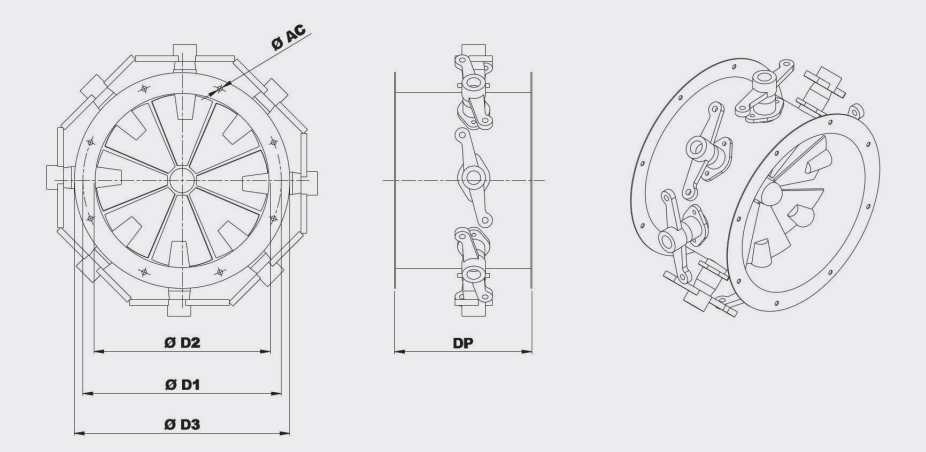
## DP

### REGULADOR DE CAUDAL DE ASPIRACIÓN

Se utiliza para regular el caudal del ventilador manteniendo un elevado rendimiento.

Condiciones y límites de uso:

- Para ventiladores de simple etapa
- Regula tanto el caudal como la presión del ventilador sobre el que se instala
- Temperatura máxima de trabajo: 300ºC (para temperaturas superiores, consultar construcción especial )
- Temperatura ambiental máxima: 40ºC
- Utilizado para aire limpio o con poco polvo (máximo 2 g/m$^3$)




| Modelo | Dimensiones (mm) | | | | | | Peso (kg) |
|---|---|---|---|---|---|---|---|
| | ØD2 | ØD1 | ØD3 | DP | Agujeros | ØAC | |
| DP 315 | 315 | 366 | 400 | 280 | 8 | 10 | 26 |
| DP 355 | 355 | 405 | 440 | 280 | 8 | 10 | 28 |
| DP 400 | 400 | 448 | 485 | 315 | 12 | 10 | 31 |
| DP 450 | 450 | 497 | 535 | 315 | 12 | 10 | 34 |
| DP 500 | 500 | 551 | 585 | 355 | 12 | 10 | 51 |
| DP 560 | 560 | 629 | 666 | 355 | 12 | 10 | 57 |
| DP 630 | 630 | 698 | 736 | 355 | 12 | 10 | 61 |
| DP 710 | 710 | 775 | 816 | 355 | 16 | 12 | 71 |
| DP 800 | 800 | 861 | 906 | 400 | 16 | 12 | 90 |
| DP 900 | 900 | 958 | 1006 | 400 | 16 | 12 | 102 |
| DP 1000 | 1000 | 1067 | 1107 | 400 | 24 | 12 | 124 |
| DP 1120 | 1120 | 1200 | 1248 | 450 | 24 | 12 | 157 |
| DP 1250 | 1250 | 1337 | 1380 | 450 | 24 | 12 | 177 |
| DP 1400 | 1400 | 1491 | 1540 | 450 | 32 | 12 | 205 |
| DP 1600 | 1600 | 1663 | 1730 | 500 | 32 | 14 | 216 |
| DP 1800 | 1800 | 1856 | 1930 | 500 | 32 | 14 | 352 |
| DP 2000 | 2000 | 2073 | 2130 | 500 | 32 | 14 | 425 |



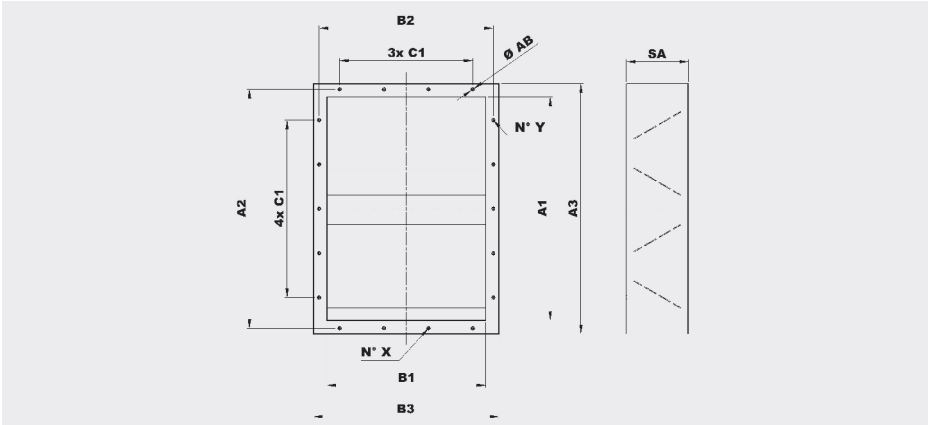
# SA-SAP

## COMPUERTA DE REGULACIÓN DE CAUDAL DE DESCARGA

Se utiliza para reducir el caudal del ventilador de acuerdo con los requisitos del sistema.

Condiciones y límites de uso:

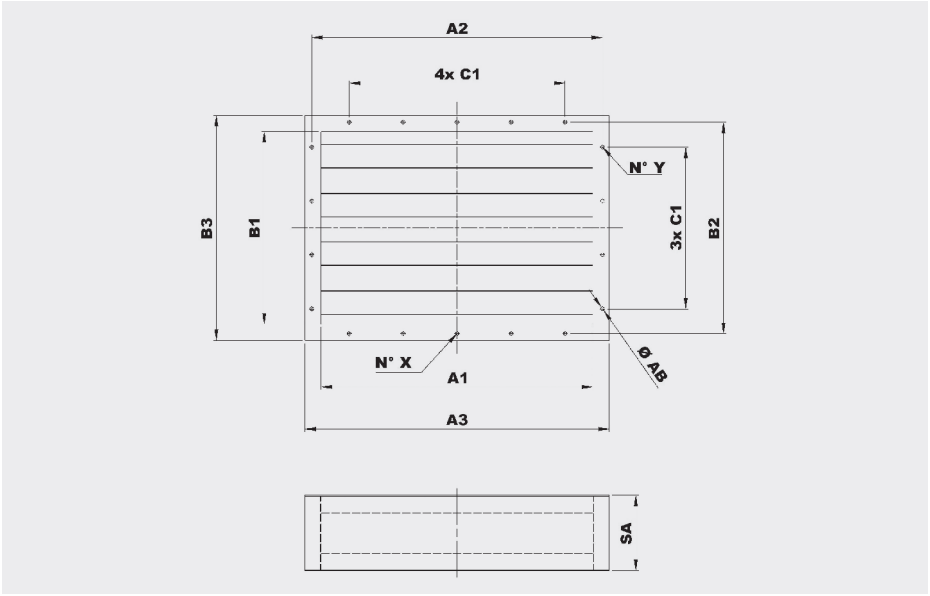
- El montaje en otro punto del sistema implica que la sección del conducto debe ser igual a la de la descarga del ventilador instalado
- Para ventiladores de simple etapa
- Regula tanto el caudal como la presión del ventilador sobre el que se instala
- Temperatura máxima/mínima de trabajo: 300ºC/-20ºC (para temperaturas superiores o inferiores, consultar construcción especial)
- Temperatura ambiental máxima: 40ºC
- Utilizado para aire limpio o con poco polvo (máximo 2 g/m$^3$)



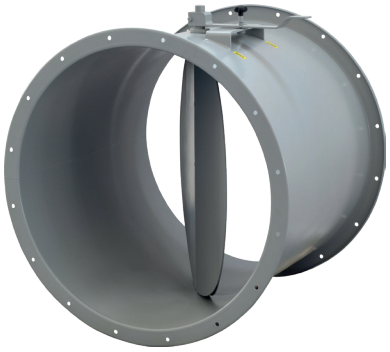

| Modelo | Dimensiones (mm) | | | | | | | | | | | Peso (kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A1 | B1 | A2 | B2 | A3 | B3 | C1 | SA | NºX | NºY | Ø AB | |
| SAP 100x71 | 105 | 76 | 139 | 110 | 165 | 136 | - | 112 | 1+1 | 1+1 | 10 | 2,6 |
| SAP 112x80 | 117 | 85 | 151 | 119 | 177 | 145 | - | 112 | 1+1 | 1+1 | 10 | 2,8 |
| SAP 125x90 | 131 | 95 | 165 | 129 | 191 | 155 | 100 | 125 | 1+1 | 2+2 | 10 | 3,1 |
| SAP 140x100 | 146 | 105 | 182 | 139 | 216 | 175 | 112 | 140 | 1+1 | 2+2 | 12 | 3,5 |
| SAP 160x112 | 164 | 117 | 200 | 151 | 234 | 187 | 112 | 160 | 1+1 | 2+2 | 12 | 4,5 |
| SAP 180x125 | 183 | 131 | 219 | 165 | 253 | 201 | 112 | 180 | 1+1 | 2+2 | 12 | 5,5 |
| SAP 200x140 | 205 | 146 | 241 | 182 | 275 | 216 | 112 | 224 | 2+2 | 2+2 | 12 | 6,5 |
| SAP 224x160 | 229 | 164 | 265 | 200 | 299 | 234 | 112 | 224 | 2+2 | 2+2 | 12 | 7,5 |
| SAP 250x180 | 256 | 183 | 292 | 219 | 326 | 253 | 112 | 224 | 2+2 | 3+3 | 12 | 8,5 |
| SAP 280x200 | 288 | 205 | 332 | 249 | 368 | 285 | 125 | 224 | 2+2 | 3+3 | 12 | 10,0 |
| SAP 315x224 | 322 | 229 | 366 | 273 | 402 | 309 | 125 | 224 | 2+2 | 3+3 | 12 | 11,0 |
| SAP 355x250 | 361 | 256 | 405 | 300 | 441 | 336 | 125 | 224 | 2+2 | 3+3 | 12 | 14 |
| SAP 400x280 | 404 | 288 | 448 | 332 | 484 | 368 | 125 | 224 | 3+3 | 4+4 | 12 | 17 |
| SA 450x315 | 453 | 322 | 497 | 366 | 533 | 402 | 125 | 224 | 3+3 | 4+4 | 12 | 21 |
| SA 500x355 | 507 | 361 | 551 | 405 | 587 | 441 | 125 | 224 | 3+3 | 4+4 | 12 | 24 |
| SA 560x400 | 569 | 404 | 629 | 464 | 669 | 504 | 160 | 224 | 3+3 | 4+4 | 14 | 28 |
| SA 630x450 | 638 | 453 | 698 | 513 | 738 | 553 | 160 | 224 | 3+3 | 4+4 | 14 | 32 |
| SA 710x500 | 715 | 507 | 775 | 567 | 815 | 607 | 160 | 224 | 3+3 | 5+5 | 14 | 37 |
| SA 800x560 | 801 | 569 | 871 | 639 | 921 | 689 | 200 | 224 | 3+3 | 4+4 | 14 | 44 |
| SA 900x630 | 898 | 638 | 968 | 708 | 1018 | 758 | 200 | 224 | 4+4 | 5+5 | 14 | 49 |
| SA 1000x710 | 1007 | 715 | 1077 | 785 | 1127 | 835 | 200 | 280 | 4+4 | 5+5 | 14 | 60 |
| SA 1120x800 | 1130 | 801 | 1210 | 881 | 1270 | 941 | 200 | 280 | 4+4 | 6+6 | 18 | 85 |
| SA 1250x900 | 1267 | 898 | 1347 | 978 | 1407 | 1038 | 200 | 280 | 5+5 | 7+7 | 18 | 100 |
| SA 1400x1000 | 1421 | 1007 | 1501 | 1087 | 1561 | 1147 | 200 | 280 | 5+5 | 7+7 | 18 | 116 |
| SA 1600x1120 | 1593 | 1130 | 1683 | 1220 | 1753 | 1290 | 200 | 280 | 6+6 | 8+8 | 22 | 152 |
| SA 1800x1250 | 1786 | 1267 | 1876 | 1357 | 1946 | 1427 | 200 | 315 | 7+7 | 9+9 | 22 | 189 |
| SA 2000x1400 | 2003 | 1421 | 2093 | 1511 | 2163 | 1581 | 200 | 315 | 7+7 | 10+10 | 22 | 248 |

# SAD - SAPD

Para ventiladores de doble oído: DFR y DFM.




| Modelo | Dimensiones sólo para las series DFR-CFR-DFM (mm) | | | | | | | | | | | Peso (kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A1 | B1 | A2 | B2 | A3 | B3 | C1 | SA | NºX | NºY | Ø AB | |
| SAPD 400x560 | 569 | 404 | 629 | 464 | 669 | 504 | 160 | 224 | 4+4 | 3+3 | 14 | 25,8 |
| SAD 450x630 | 638 | 453 | 698 | 513 | 738 | 553 | -160 | 224 | 4+4 | 3+3 | 14 | 29,2 |
| SAD 500x710 | 715 | 507 | 775 | 567 | 815 | 607 | 160 | 224 | 5+5 | 3+3 | 14 | 33,6 |
| SAD 560x800 | 801 | 569 | 871 | 639 | 921 | 689 | 200 | 224 | 4+4 | 3+3 | 14 | 40,0 |
| SAD 630x900 | 898 | 638 | 968 | 708 | 1018 | 758 | 200 | 224 | 5+5 | 4+4 | 14 | 46,0 |
| SAD 710x1000 | 1007 | 715 | 1077 | 785 | 1127 | 835 | 200 | 280 | 5+5 | 4+4 | 14 | 60,0 |
| SAD 800x1120 | 1130 | 801 | 1210 | 881 | 1270 | 941 | 200 | 280 | 6+6 | 4+4 | 18 | 85,0 |
| SAD 900x1250 | 1267 | 898 | 1347 | 978 | 1407 | 1038 | 200 | 280 | 7+7 | 5+5 | 18 | 97,0 |
| SAD 1000X1400 | 1421 | 1007 | 1501 | 1087 | 1561 | 1147 | 200 | 280 | 7+7 | 5+5 | 18 | 116,0 |
| SAD 1120x1600 | 1593 | 1130 | 1683 | 1220 | 1753 | 1290 | 200 | 280 | 11+11 | 8+8 | 22 | 152,0 |
| SAD 1250x1800 | 1786 | 1267 | 1876 | 1357 | 1946 | 1427 | 200 | 315 | 9+9 | 7+7 | 22 | 189,0 |
| SAD 1400x2000 | 2003 | 1421 | 2093 | 1511 | 2163 | 1581 | 200 | 315 | 10+10 | 7+7 | 22 | 248,0 |
| SAD 1600x2240 | 2248 | 1593 | 2348 | 1693 | 2428 | 1773 | 200 | 315 | 12+12 | 8+8 | 22 | 355,0 |
| SAD 1800x2500 | 2521 | 1786 | 2621 | 1886 | 2701 | 1966 | 200 | 315 | 13+13 | 9+9 | 22 | 500,0 |
| SAD 2000x2800 | 2810 | 2003 | 2910 | 2103 | 2990 | 2183 | 200 | 315 | 14+14 | 10+10 | 22 | 710,0 |

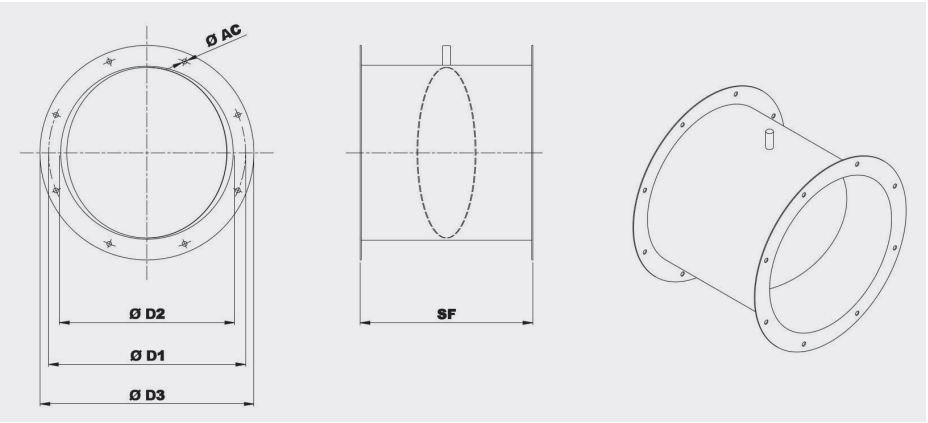


# SF

## VÁLVULA MARIPOSA

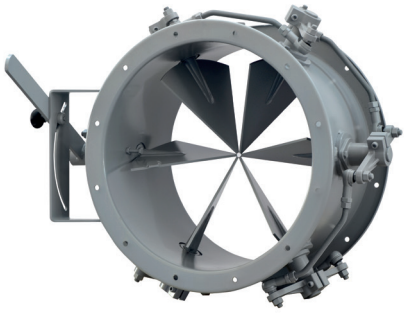
Se utiliza para reducir el caudal del ventilador de acuerdo con los requisitos del sistema.
Condiciones y límites de uso:

- Para ventiladores de simple etapa
- Regula tanto el caudal como la presión del ventilador sobre el que se instala
- Temperatura máxima/mínima de trabajo: 300ºC/-20ºC (para temperaturas superiores o inferiores, consultar construcción especial)
- Temperatura ambiental máxima: 40ºC
- Utilizado para aire limpio o con poco polvo (máximo 2 g/m$^3$)




| Modelo | Dimensiones (mm) | | | | | | | Peso (kg) |
|---|---|---|---|---|---|---|---|---|
| | ØD2 | ØD1 | ØD3 | h | Agujeros | ØAC | SF | |
| SF 180 | 180 | 219 | 254 | 180 | 8 | 8 | 180 | 6,0 |
| SF 200 | 200 | 241 | 274 | 200 | 8 | 8 | 200 | 6,3 |
| SF 224 | 224 | 265 | 298 | 224 | 8 | 8 | 224 | 6,7 |
| SF 250 | 250 | 292 | 324 | 250 | 8 | 10 | 250 | 7,0 |
| SF 280 | 280 | 332 | 365 | 280 | 8 | 10 | 280 | 10,0 |
| SF 315 | 315 | 366 | 400 | 315 | 8 | 10 | 315 | 11,0 |
| SF 355 | 355 | 405 | 440 | 355 | 8 | 10 | 355 | 14,0 |
| SF 400 | 400 | 448 | 485 | 400 | 12 | 10 | 400 | 17,0 |
| SF 450 | 450 | 497 | 535 | 450 | 12 | 10 | 450 | 21,0 |
| SF 500 | 500 | 551 | 585 | 500 | 12 | 10 | 500 | 30,0 |
| SF 560 | 560 | 629 | 666 | 560 | 12 | 10 | 560 | 40,0 |
| SF 630 | 630 | 698 | 736 | 630 | 12 | 10 | 630 | 49,0 |
| SF 710 | 710 | 775 | 816 | 710 | 16 | 12 | 710 | 59,0 |
| SF 800 | 800 | 861 | 906 | 800 | 16 | 12 | 800 | 80,0 |
| SF 900 | 900 | 958 | 1006 | 900 | 16 | 12 | 900 | 99,0 |
| SF 1000 | 1000 | 1067 | 1107 | 1000 | 24 | 12 | 1000 | 154,0 |
| SF 1120 | 1120 | 1200 | 1248 | 1120 | 24 | 12 | 1120 | 192,0 |
| SF 1250 | 1250 | 1337 | 1380 | 1250 | 24 | 12 | 1250 | 237,0 |

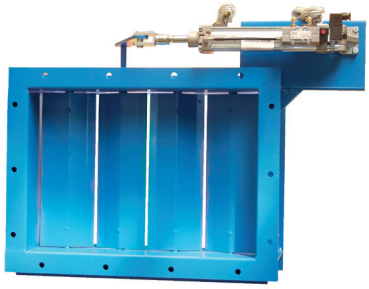
## Accesorios para ventiladores centrífugos Ferrari



Para el control de nuestras válvulas y compuertas DP, SA/SAD y SF, disponemos de las siguientes opciones:

### 1. CONTROL MANUAL

A través de una manivela, el cliente ajusta manualmente la posición de la válvula o compuerta hasta obtener las prestaciones deseadas.



### 2. CONTROL NEUMÁTICO

Control a través de una válvula neumática, que se encarga de realizar el ajuste de la válvula o compuerta en función de una señal externa 0-10V o 4-20mA.



### 3. CONTROL ELÉCTRICO

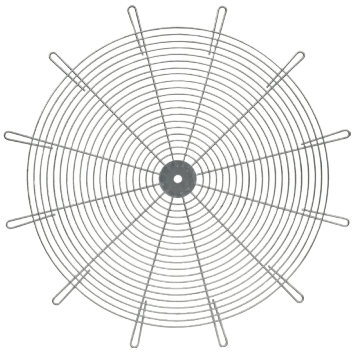
Control a través de un servomotor, que se encarga de realizar el ajuste de la válvula o compuerta en función de una señal externa 0-10V o 4-20mA.Las señales recibidas por el control neumático y eléctrico se pueden obtener de la siguiente manera:

1. A través de un sensor de dos posiciones (ON/OFF). Este tipo de control permitirá al usuario abrir o cerrar totalmente la compuerta.

2. A través de un sensor modulante, que permitirá al usuario regular totalmente la posición de la compuerta según la medición obtenida por el sensor.

Los sensores que se mencionan en esta sección (0-10V o 4-20 mA) se pueden encontrar en el apartado "Controles y sensores" dentro de este mismo catálogo.

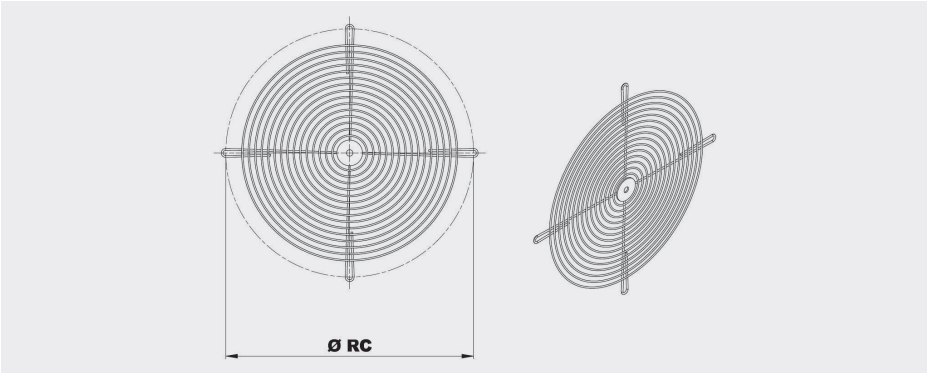
# Accesorios de montaje



## RC

### DEFENSA DE PROTECCIÓN PARA LA ASPIRACIÓN

Defensa tipo RC (paso 12 mm).
Debe ser instalada y utilizada exclusivamente para el ventilador que ha sido diseñada o como recambio de una reja idéntica de nuestra fabricación. Queda prohibido cualquier otro uso.



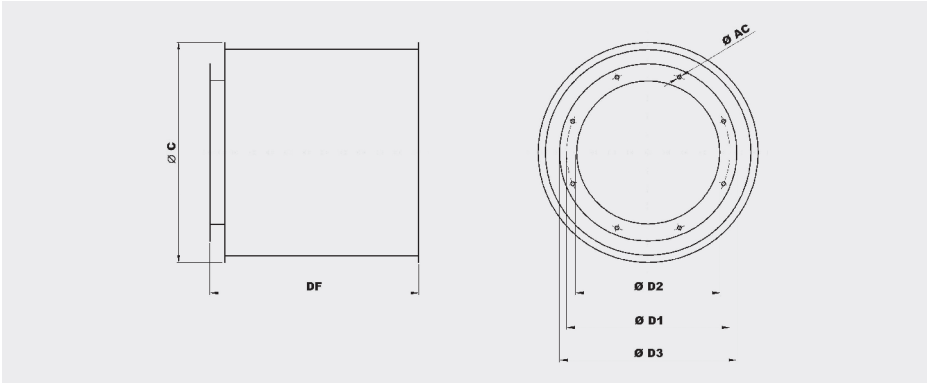

| Modelo | Dimensiones (mm) | Nº Brazos | Peso (kg) |
|---|---|---|---|
| | ØRC | | |
| RC 112 | 161 | 4 | 0,1 |
| RC 125 | 185 | 4 | 0,1 |
| RC 140 | 209 | 4 | 0,1 |
| RC 160 | 233 | 4 | 0,1 |
| RC 180 | 233 | 4 | 0,1 |
| RC 200 | 257 | 4 | 0,2 |
| RC 224 | 281 | 4 | 0,2 |
| RC 250 | 329 | 4 | 0,3 |
| RC 280 | 353 | 4 | 0,3 |
| RC 315 | 377 | 4 | 0,4 |
| RC 355 | 425 | 4 | 0,5 |
| RC 400 | 473 | 4 | 0,6 |
| RC 450 | 521 | 12 | 1,1 |
| RC 500 | 569 | 12 | 1,5 |
| RC 560 | 641 | 12 | 1,8 |
| RC 630 | 713 | 12 | 2,2 |
| RC 710 | 809 | 16 | 4,3 |
| RC 800 | 881 | 16 | 5,1 |
| RC 900 | 977 | 16 | 5,9 |
| RC 1000 | 1097 | 24 | 7,5 |
| RC 1120 | 1230 | 24 | 15,3 |
| RC 1250 | 1360 | 24 | 17,6 |
| RC 1400 | 1520 | 32 | 22,0 |
| RC 1600 | 1700 | 32 | 27,0 |
| RC 1800 | 1900 | 32 | 32,0 |
| RC 2000 | 2110 | 32 | 38,0 |



# DF

## FILTRO EN LA ASPIRACIÓN

Filtro de aire que dispone de panel removible VILEDON P15/500/S.
Eficiencia del filtro: G4 según EN ISO 16890.
Temperatura máxima del aire: + 60ºC.
Velocidad normal: 1 m/s.
Presión máxima aplicable: 400 Pa.

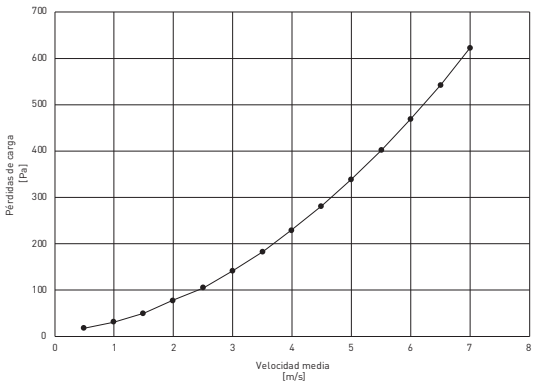



| Modelo | Dimensiones (mm) | | | | | Agujeros | | Superfície filtrante ($m^2$) | Caudal máximo recomendado ($m^3/s$) | Peso (kg) |
|---|---|---|---|---|---|---|---|---|---|---|
| DF Num/Aspiración | DF | ØC | ØD2 | ØD1 | D3 | nº | Ø AC | | | |
| DF 224/140<br>DF 224/160 | 345 | 344 | 140<br>160 | 182<br>200 | 215<br>235 | 8 | 8 | 0,25 | 0,82 | 4,00 |
| DF 250/180 | 370 | 344 | 172 | 219 | 252 | 8 | 8 | 0,28 | 0,92 | 4,25 |
| DF 280/200 | 395 | 344 | 196 | 241 | 274 | 8 | 8 | 0,30 | 0,99 | 4,30 |
| DF 315/224 | 420 | 344 | 218 | 265 | 298 | 8 | 8 | 0,33 | 1,08 | 4,60 |
| DF 355/250 | 445 | 396 | 245 | 292 | 324 | 8 | 10 | 0,41 | 1,35 | 5,40 |
| DF 400/280 | 495 | 456 | 277 | 332 | 365 | 8 | 10 | 0,54 | 1,78 | 7,00 |
| DF 450/315 | 540 | 506 | 315 | 366 | 400 | 8 | 10 | 0,68 | 2,24 | 8,00 |
| DF 500/355 | 570 | 546 | 355 | 405 | 440 | 8 | 10 | 0,77 | 2,54 | 9,10 |
| DF 560/400 | 670 | 614 | 400 | 448 | 485 | 12 | 10 | 1,06 | 3,49 | 11,30 |
| DF 630/450 | 721 | 692 | 450 | 497 | 535 | 12 | 10 | 1,28 | 4,22 | 18,60 |
| DF 710/500 | 796 | 785 | 500 | 551 | 585 | 12 | 10 | 1,61 | 5,31 | 23,80 |
| DF 800/560 | 846 | 880 | 560 | 629 | 665 | 12 | 10 | 1,94 | 6,40 | 34,80 |
| DF 900/630 | 1046 | 980 | 630 | 698 | 736 | 12 | 10 | 2,76 | 9,10 | 48,50 |
| DF 1000/710 | 1158 | 1100 | 710 | 775 | 815 | 16 | 12 | 3,38 | 11,15 | 71,50 |
| DF 1120/800 | 1283 | 1220 | 800 | 861 | 905 | 16 | 12 | 4,23 | 13,95 | 97,50 |
| DF 1250/900<br>DF 1250/1000 | 1376 | 1340 | 900<br>1000 | 958<br>1067 | 1005<br>1107 | 16<br>24 | 12 | 4,98 | 16,43 | 130,50<br>126,50 |

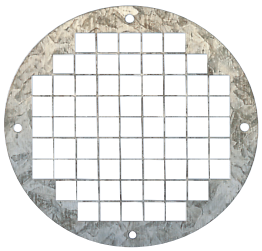
* Los modelos superiores al 800/560 disponen de soporte

## Curva pérdidas de carga filtro

Ejemplo de selección:
Para un ventilador modelo ART 561, el filtro adecuado es un DF 500/355.



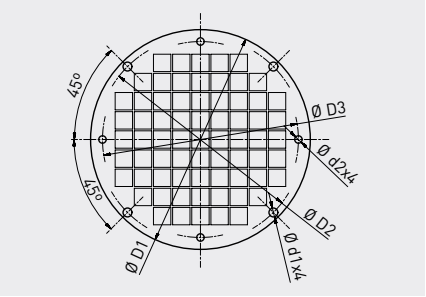
## ACCESORIOS PARA LA SERIE CMT/CMB



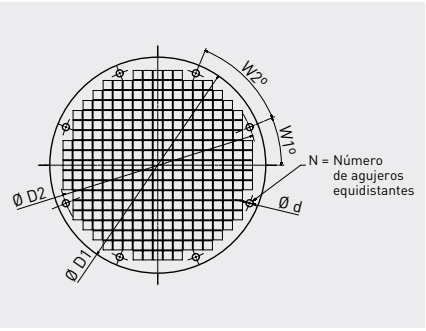
# KRJ

### DEFENSA DE ASPIRACIÓN

| CMT/CTMT | KRJ | D1 | D2 | D3 | d1 | d2 |
|---|---|---|---|---|---|---|
| 120 | KRJ-120 | 148 | 132 | 139 | 5 | 6 |
| 140 | KRJ-140 | 165 | 152 | 147 | 5 | 9 |




| CMT/CTMT | KRJ | D1 | D2 | d | N | W1º | W2º |
|---|---|---|---|---|---|---|---|
| 160 | KRJ-160 | 200 | 180 | 7 | 8 | 0 | 45 |
| 180 | KRJ-180 | 242 | 210 | 7 | 4 | 0 | 90 |
| 200 | KRJ-200 | 254 | 230 | 7 | 4 | 0 | 90 |
| 225 | KRJ-225 | 278 | 256 | 9 | 8 | 22,5 | 45 |
| 250 | KRJ-250 | 305 | 282 | 9 | 8 | 22,5 | 45 |
| 280 | KRJ-280 | 346 | 320 | 9 | 8 | 22,5 | 45 |
| 315 | KRJ-315 | 380 | 354 | 9 | 8 | 22,5 | 45 |
| 355 | KRJ-355 | 420 | 394 | 9 | 8 | 22,5 | 45 |
| 400 | KRJ-400 | 462 | 438 | 9 | 8 | 22,5 | 45 |
| 450 | KRJ-450 | 514 | 485 | 9 | 8 | 22,5 | 45 |
| 500 | KRJ-500 | 564 | 535 | 9 | 8 | 22,5 | 45 |






# KBA

### BRIDA CIRCULAR DE ASPIRACIÓN



# KBD

### BRIDA RECTANGULAR DE DESCARGA



# KAD

## ACOPLAMIENTO ELÁSTICO RECTANGULAR



# KMTA

## SILENCIADOR DE ASPIRACIÓN

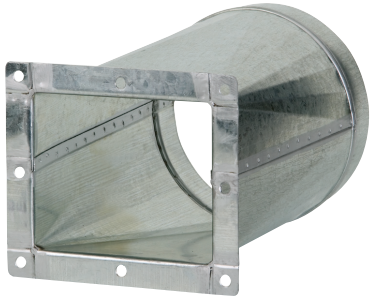
Para montar en la aspiración del ventilador CMT/CTMT.



# KMTI

## SILENCIADOR DE DESCARGA

Para montar en la descarga del ventilador CMT/CTMT.

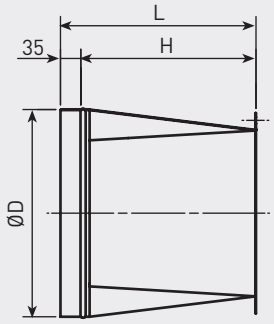


# KMBI

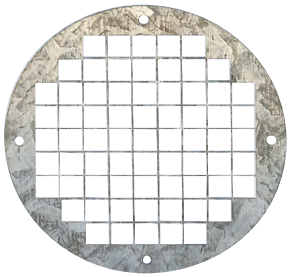
## ACOPLAMIENTO RECTANGULAR

Para montar en la descarga del ventilador CMT/CTMT.

| CMT/CTMT | KMBI | L | H | D |
|---|---|---|---|---|
| 120 | KMBI-120 | 235 | 200 | 125 |
| 140 | KMBI-140 | 235 | 200 | 140 |
| 160 | KMBI-160 | 235 | 200 | 160 |
| 180 | KMBI-180 | 235 | 200 | 180 |
| 200/60 | KMBI-200 | 335 | 300 | 200 |
| 200/80 | KMBI-201 | 335 | 300 | 200 |
| 225 | KMBI-225 | 335 | 300 | 225 |
| 250 | KMBI-250 | 335 | 300 | 250 |
| 280 | KMBI-280 | 335 | 300 | 280 |
| 315 | KMBI-315 | 335 | 300 | 315 |
| 355 | KMBI-355 | 335 | 300 | 355 |
| 400 | KMBI-400 | 335 | 300 | 400 |
| 450 | KMBI-450 | 485 | 450 | 450 |
| 500 | KMBI-500 | 485 | 450 | 500 |



## ACCESORIOS PARA LA SERIE CBT-N



# DEF / KRJ

### REJILLA DE PROTECCIÓN

Se montan a la aspiración de los ventiladores.

| Modelo rejilla | Modelo CBT |
|---|---|
| DEF-100T | 40 |
| KRJ-120 | 60 |
| KRJ-140 | 80 |
| DEF-140T | 100 |
| KRJ-160 | 130 |



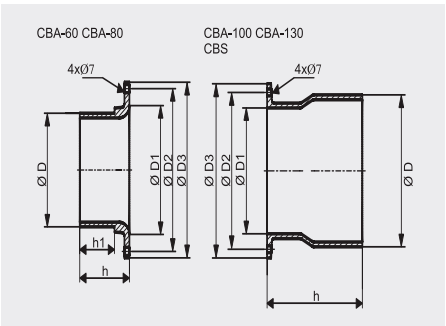


# CBA / CBS

### BRIDA DE CONEXIÓN

| Modelo | Montaje a | Ø mm) |
|---|---|---|
| CBA-60 | Aspiración CBT-60N | 100 |
| CBA-80 | Aspiración CBT-80N | 125 |
| CBA-100 | Aspiración CBT-100N | 160 |
| CBA-130 | Aspiración CBT-130N | 200 |
| CBS-60 | Descarga CBT-60N | 100 |
| CBS-80 | Descarga CBT-80N | 125 |
| CBS-100 | Descarga CBT-100N | 160 |
| CBS-130 | Descarga CBT-130N | 200 |

| Modelo | D | D1 | D2 | D3 | h | h1 |
|---|---|---|---|---|---|---|
| CBA-60 | 97 | 110 | 139 | 150 | 50 | 35 |
| CBA-80 | 122 | 125 | 147 | 165 | 50 | 35 |
| CBA-100 | 157 | 130 | 162 | 180 | 116 | - |
| CBA-130 | 197 | 150 | 180 | 200 | 132 | - |
| CBS-60 | 97 | 60 | 80 | 95 | 104 | - |
| CBS-80 | 122 | 80 | 105 | 123 | 128 | - |
| CBS-100 | 157 | 100 | 130 | 150 | 140 | - |
| CBS-130 | 197 | 130 | 165 | 190 | 146 | - |



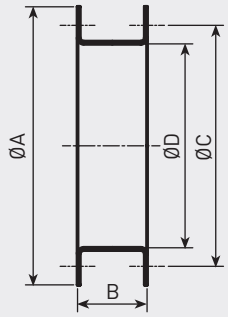


# KMBD

## DOBLE BRIDA DE ASPIRACIÓN

Para montar en la aspiración del ventilador CMT.

| CMT | KMBD | A | B | C | D |
|---|---|---|---|---|---|
| 120 | KMBD-120 | 150 | 60 | 132 | 112 |
| 140 | KMBD-140 | 170 | 80 | 152 | 125 |
| 160 | KMBD-160 | 205 | 80 | 180 | 160 |
| 180 | KMBD-180 | 244 | 80 | 210 | 180 |
| 200 | KMBD-200 | 255 | 80 | 230 | 200 |
| 225 | KMBD-225 | 280 | 80 | 256 | 224 |
| 250 | KMBD-250 | 306 | 80 | 282 | 250 |
| 280 | KMBD-280 | 346 | 100 | 320 | 280 |
| 315 | KMBD-315 | 382 | 100 | 354 | 315 |
| 355 | KMBD-355 | 422 | 100 | 394 | 366 |
| 400 | KMBD-400 | 464 | 100 | 438 | 400 |
| 450 | KMBD-450 | 515 | 100 | 485 | 450 |
| 500 | KMBD-500 | 565 | 100 | 535 | 500 |

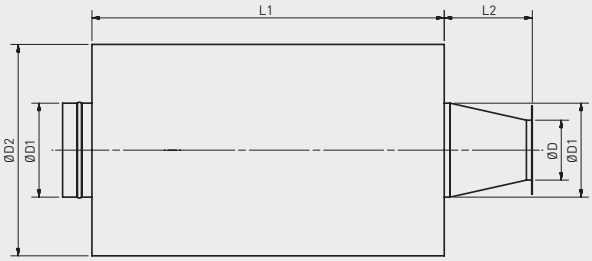




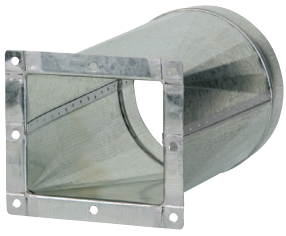

# KBTA / KBTI

## SILENCIADORES

KBTA: Para colocar en la aspiración de los CBT.
KBTI: Para colocar en la descarga de los CBT.




| CBT | KBTA | KBTI | L1 | L2 (KBTA) | L2 (KBTI) | D (KBTI) | D (KBTA) | D1 | D2 |
|---|---|---|---|---|---|---|---|---|---|
| 60 | KBTA-60 | KBTI-60 | 600 | 100 | 100 | 60 | 100 | 100 | 300 |
| 80 | KBTA-80 | KBTI-80 | 600 | 100 | 100 | 80 | 125 | 125 | 325 |
| 100 | KBTA-100 | KBTI-100 | 600 | 100 | 150 | 100 | 160 | 160 | 360 |
| 130 | KBTA-130 | KBTI-130 | 600 | 150 | 150 | 130 | 200 | 200 | 400 |



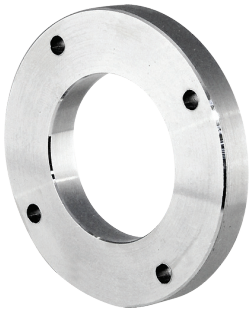
# KRBI

## BRIDA ACOPLAMIENTO RECTANGULAR



# FRP

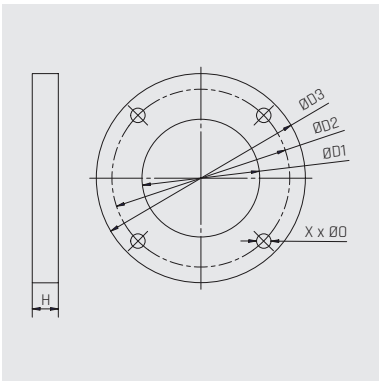
## CODO DESCARGA



## CONTRABRIDA

Dimensiones en mm

| Modelo | ØD1 | ØD2 | ØD3 | H | X | ØO | nº artículo |
|---|---|---|---|---|---|---|---|
| SC10 | 45 | 68 | 80 | 10 | 4 | 5,5 | 45516500 |
| SC20 | 45 | 68 | 80 | 10 | 4 | 5,5 | 45516500 |
| DSC/PSC/SC30 | 58 | 85 | 104 | 10 | 4 | 6,5 | 45516510 |
| DSC/PSC/SC40 | 75 | 110 | 130 | 10 | 4 | 9,0 | 45516520 |
| SC50/SC46 | 100 | 130 | 130 | 10 | 4 | 9,0 | 45516530 |

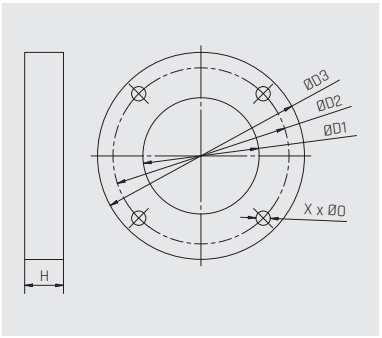


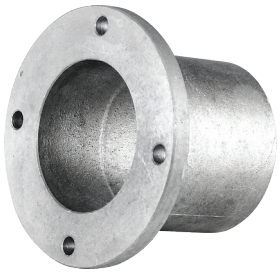



## CONTRABRIDA ROSCADA

Dimensiones en mm

| Modelo | ØD1 | ØD2 | ØD3 | H | X | ØO | nº artículo |
|---|---|---|---|---|---|---|---|
| SC10/20 GALV | R1,5"x15 | 68 | 80 | 15 | 4 | 5,5 | 45516600 |
| SC30 GALV | R2"x15 | 85 | 104 | 15 | 4 | 6,5 | 45516610 |
| SC40 GALV | R2,5"x20 | 110 | 130 | 20 | 4 | 9,0 | 45516620 |
| SC46/50 GALV | R3,5"x20 | 130 | 150 | 20 | 4 | 9,0 | 45516630 |

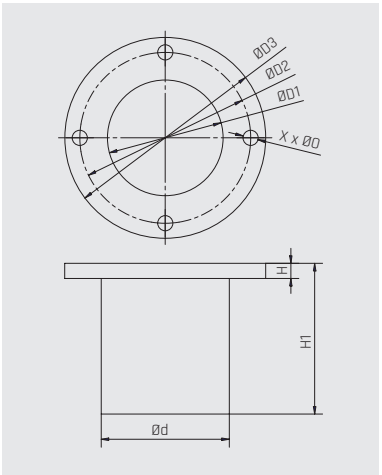


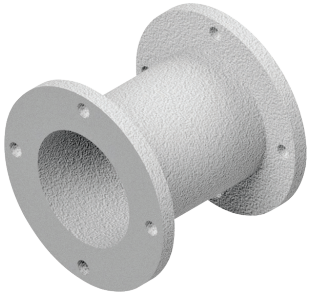



## ESPIGA

Dimensiones en mm

| Modelo | Ød | ØD1 | ØD2 | ØD3 | H | H1 | X | ØO | nº artículo |
|---|---|---|---|---|---|---|---|---|---|
| SC10 | 51 | 46 | 68 | 80 | 6 | 60 | 4 | 6,0 | 46515210 |
| SC20 | 51 | 46 | 68 | 80 | 6 | 60 | 4 | 6,0 | 46515210 |
| DSC/PSC/SC30 | 63 | 57 | 85 | 100 | 6 | 60 | 4 | 7,0 | 46515220 |
| DSC/PSC/SC40 | 76 | 70 | 110 | 130 | 10 | 60 | 4 | 9,0 | 46515230 |
| SC50/SC46 | 102 | 96 | 130 | 145 | 9 | 60 | 4 | 9,0 | 46515240 |

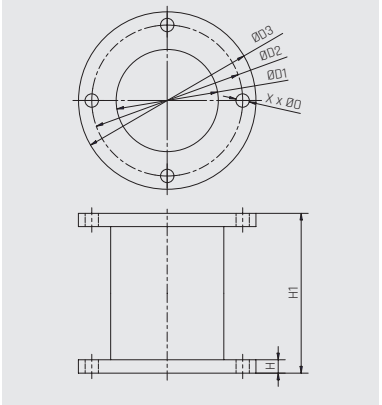


## BRIDA DOBLE

Dimensiones en mm

| Modelo | ØD1 | ØD2 | ØD3 | H | H1 | X | ØO | nº artículo |
|---|---|---|---|---|---|---|---|---|
| SC10 | 46 | 68 | 80 | 6 | 72 | 4 | 6 | 46515160 |
| SC20 | 46 | 68 | 80 | 6 | 72 | 4 | 6 | 46515160 |
| DSC/PSC/SC30 | 57 | 85 | 100 | 6 | 72 | 4 | 6 | 46515170 |
| DSC/PSC/SC40 | 70 | 110 | 130 | 10 | 80 | 4 | 9 | 46515180 |
| SC50/SC46 | 90 | 130 | 145 | 9 | 78 | 4 | 9 | 46515190 |

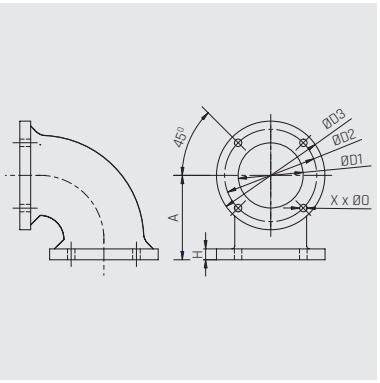


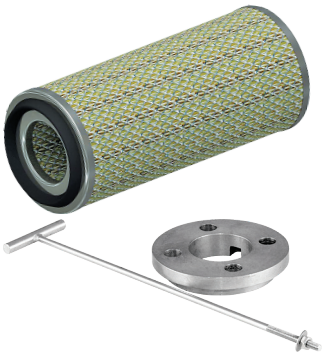


## CODO

Dimensiones en mm

| Modelo | A | ØD1 | ØD2 | ØD3 | H | X | ØO | nº artículo |
|---|---|---|---|---|---|---|---|---|
| SC10 | 67 | 45 | 68 | 80 | 10 | 4 | 6 | 25515285 |
| SC20 | 67 | 45 | 68 | 80 | 10 | 4 | 6 | 25515285 |
| DSC/PSC/SC30 | 86 | 55 | 85 | 100 | 10 | 4 | 7 | 25515286 |
| DSC/PSC/SC40 | 105 | 75 | 110 | 130 | 10 | 4 | 9 | 25515287 |
| SC50/SC46 | 153 | 100 | 130 | 145 | 10 | 4 | 9 | 25515288 |



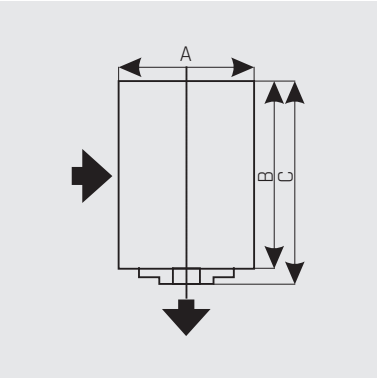



## FILTRO + ADAPTADOR DE FILTRO*

Dimensiones en mm

| Modelo | A | B | C | nº filtro | nº adaptado |
|---|---|---|---|---|---|
| SC10 | 126 | 281 | 294 | 46515039 | 46515110 |
| SC20 | 126 | 281 | 294 | 46515039 | 46515110 |
| DSC/PSC/SC30 | 126 | 281 | 294 | 46515039 | 46515120 |
| DSC/PSC/SC40 | 198 | 363 | 373 | 46515038 | 46515130 |
| SC50/SC46 | 198 | 363 | 373 | 46515038 | 46515140 |

*Utilizar con aspiración de refrigerante ambiente.



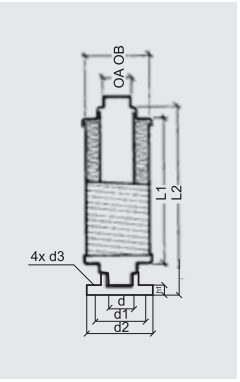



## SILENCIADOR + BRIDA ACOPLAMIENTO

Dimensiones en mm

| Modelo | A | B | d | d1 | d2 | d3 | h1 | L1 | L2 | nº silenciador | nº espiga |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SC10 | 50 | 105 | 45 | 68 | 80 | 6,0 | 6 | 455 | 610 | 46525310 | 46515250 |
| SC20 | 50 | 105 | 45 | 68 | 80 | 6,0 | 6 | 455 | 610 | 46525310 | 46515250 |
| DSC/PSC/SC30 | 70 | 125 | 60 | 85 | 100 | 7,0 | 8 | 455 | 620 | 46525320 | 46515260 |
| DSC/PSC/SC40 | 80 | 125 | 75 | 110 | 130 | 9,0 | 10 | 455 | 630 | 46525330 | 46515270 |
| SC50/SC46 | 100 | 150 | 95 | 130 | 145 | 9,0 | 12 | 455 | 630 | 46525340 | 46515280 |

*Utilizar con aspiración de refrigerante ambiente.

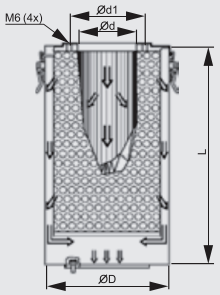




# FILTRO DE CANAL

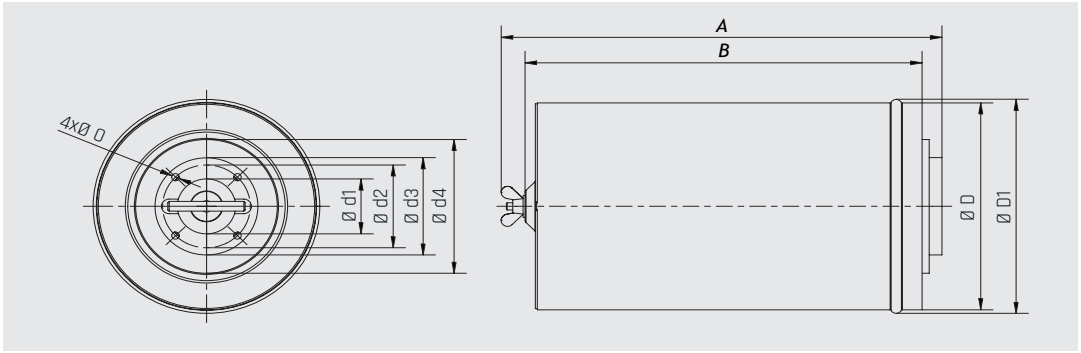
Dimensiones en mm

| Modelo | ØD | Ød | L | Ød1 | nº artículo |
|---|---|---|---|---|---|
| SC10/SC20 | 156 | 51 | 374 | 68 | 46515070 |
| DSC/PSC/SC30 | 156 | 63 | 374 | 68 | 46515075 |
| DSC/PSC/SC40 | 219 | 76 | 394 | 110 | 46515080 |
| SC50/SC46 | 219 | 101 | 394 | 130 | 46515085 |



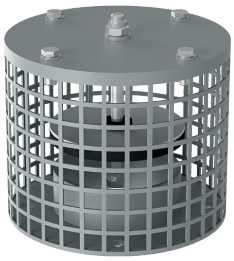



# FILTRO + DEFENSA DE FILTRO

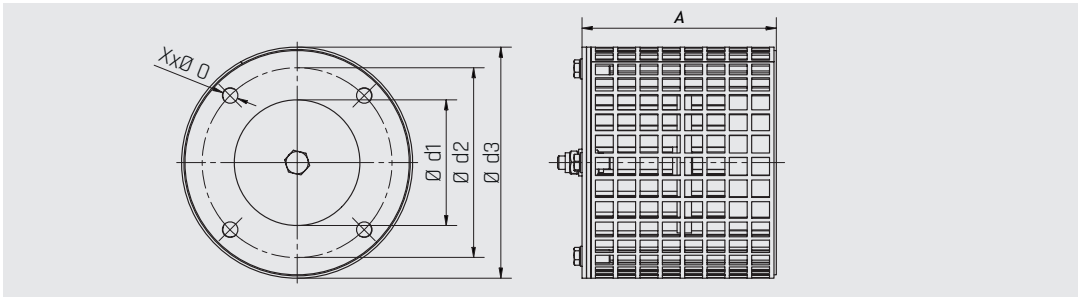



Dimensiones en mm

| Modelo | A | B | ØD | ØD1 | Ød1 | Ød2 | Ød3 | Ød4 | ØO | nº artículo |
|---|---|---|---|---|---|---|---|---|---|---|
| SC10/SC20 | 342 | 308 | 170 | 176 | 45 | 68 | 80 | 110 | 6 | 46515151 |
| SC30/DSC30/PSC30 | 344 | 308 | 170 | 176 | 55 | 85 | 100 | 120 | 7 | 46515152 |
| SC40/DSC40/PSC40 | 434 | 394 | 265 | 271 | 75 | 110 | 130 | 150 | 10 | 46515153 |
| SC46/SC50 | 434 | 394 | 265 | 271 | 100 | 130 | 145 | 200 | 10 | 46515154 |



# BRIDA ACOPLAMIENTO VÁLVULA

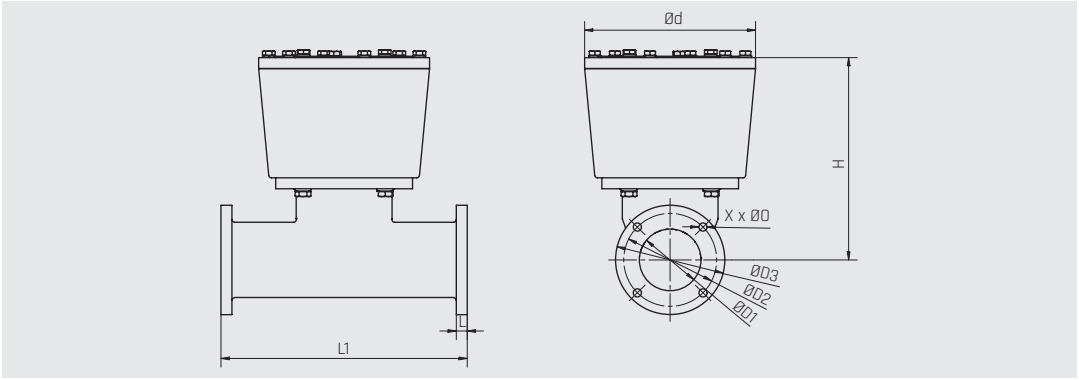



Dimensiones en mm

| Modelo | A | Ød1 | Ød2 | Ød3 | X | ØO | nº artículo |
|---|---|---|---|---|---|---|---|
| SC10/SC20 | 87 | 46 | 68 | 85 | 4 | 6 | 46515511 |
| SC30/DSC30/PSC30 | 87 | 56 | 85 | 104 | 4 | 7 | 46515512 |
| SC40/DSC40/PSC40 | 97 | 76 | 110 | 132 | 4 | 9 | 46515513 |
| SC46/SC50 | 97 | 101 | 130 | 151 | 4 | 9 | 46515514 |

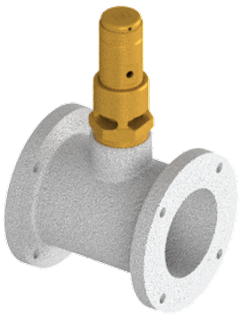


# VÁLVULA DE SOBRECARGA

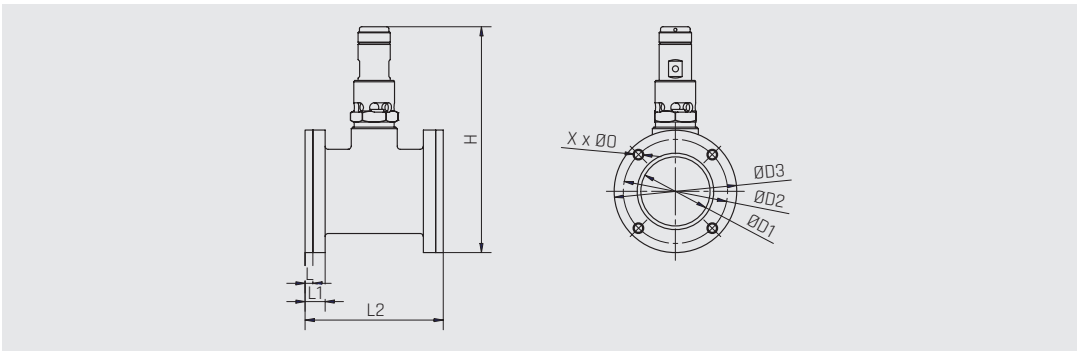



Dimensiones en mm

| Modelo | Ød | ØD1 | ØD2 | ØD3 | H | L | L1 | X | ØO | nº artículo |
|---|---|---|---|---|---|---|---|---|---|---|
| SC10 PARA IMPULSIÓN | 125 | 46 | 68 | 80 | 150 | 8 | 180 | 4 | 6 | 46515520 |
| SC10 PARA SUCCIÓN | 125 | 46 | 68 | 80 | 150 | 8 | 180 | 4 | 6 | 46515522 |
| SC20 PARA IMPULSIÓN | 125 | 46 | 68 | 80 | 150 | 8 | 180 | 4 | 6 | 46515524 |
| SC20 PARA SUCCIÓN | 125 | 46 | 68 | 80 | 150 | 8 | 180 | 4 | 6 | 46515526 |
| SC30/PSC30 PARA IMPULSIÓN | 125 | 57 | 85 | 100 | 150 | 8 | 180 | 4 | 7 | 46515530 |
| SC30/PSC30 PARA SUCCIÓN | 125 | 57 | 85 | 100 | 150 | 8 | 180 | 4 | 7 | 46515532 |
| DSC30 PARA IMPULSIÓN | 125 | 57 | 85 | 100 | 150 | 8 | 180 | 4 | 7 | 46515536 |
| DSC30 PARA SUCCIÓN | 125 | 57 | 85 | 100 | 150 | 8 | 180 | 4 | 7 | 46515534 |
| SC40/PSC40 PARA IMPULSIÓN | 180 | 70 | 110 | 130 | 210 | 8 | 206 | 4 | 9 | 46515540 |
| SC40/PSC40 PARA SUCCIÓN | 180 | 70 | 110 | 130 | 210 | 8 | 206 | 4 | 9 | 46515542 |
| DSC40 PARA IMPULSIÓN | 180 | 70 | 110 | 130 | 210 | 8 | 206 | 4 | 9 | 46515544 |
| DSC40 PARA SUCCIÓN | 180 | 70 | 110 | 130 | 210 | 8 | 206 | 4 | 9 | 46515546 |
| SC46/PSC50 PARA IMPULSIÓN | 180 | 96 | 130 | 145 | 210 | 8 | 206 | 4 | 9 | 46515550 |
| SC46/PSC50 PARA SUCCIÓN | 180 | 96 | 130 | 145 | 210 | 8 | 206 | 4 | 9 | 46515552 |



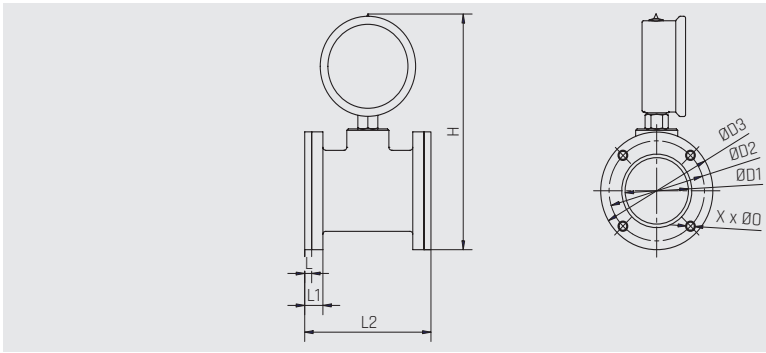
# VÁLVULA DE SOBREPRESIÓN




| Modelo | ØD1 | ØD2 | ØD3 | H | L | L1 | L2 | X | ØO | nº artículo 0-200 bar | nº artículo 0-300 bar | nº artículo 0-400 bar |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SC10 | 45 | 68 | 80 | 148 | 5 | 13 | 90 | 4 | 5,5 | 72000058 | 72000059 | - |
| SC20 | 45 | 68 | 80 | 148 | 5 | 13 | 90 | 4 | 5,5 | 72000058 | 72000059 | - |
| DCS/PSC/SC30 | 58 | 85 | 104 | 172 | 5 | 13 | 90 | 4 | 6,5 | - | 72000060 | - |
| DCS/PSC/SC40 | 75 | 110 | 130 | 197 | 5 | 13 | 90 | 4 | 9 | 72000062 | 72000063 | - |
| SC46/SC50 | 100 | 130 | 150 | 218 | 5 | 13 | 90 | 4 | 9 | 72000064 | 72000065 | 72000066 |



# MANÓMETRO

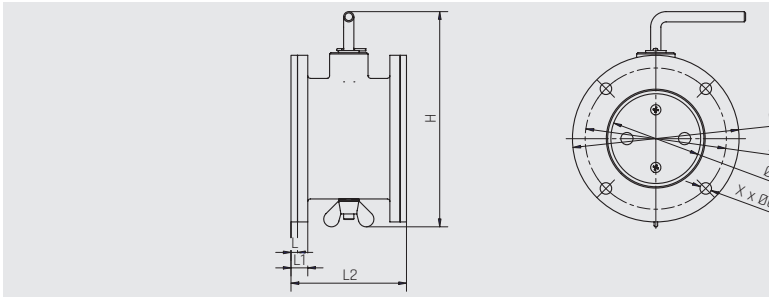



Dimensiones en mm

| Modelo | ØD1 | ØD2 | ØD3 | H | L | L1 | L2 | X | ØO | nº artículo manómetro de presión | nº artículo manómetro de vacío |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SC10 | 45 | 68 | 80 | 122 | 5 | 13 | 90 | 4 | 5,5 | 46515460 | 46515461 |
| SC20 | 45 | 68 | 80 | 122 | 5 | 13 | 90 | 4 | 5,5 | 46515460 | 46515461 |
| DCS/PSC/SC30 | 58 | 85 | 104 | 143 | 5 | 13 | 90 | 4 | 6,5 | 46515470 | 46515471 |
| DCS/PSC/SC40 | 75 | 110 | 130 | 168 | 5 | 13 | 90 | 4 | 9 | 46515480 | 46515481 |
| SC46/SC50 | 100 | 130 | 150 | 189 | 5 | 13 | 90 | 4 | 9 | 46515490 | 46515491 |



# VÁLVULA DE REGULACIÓN

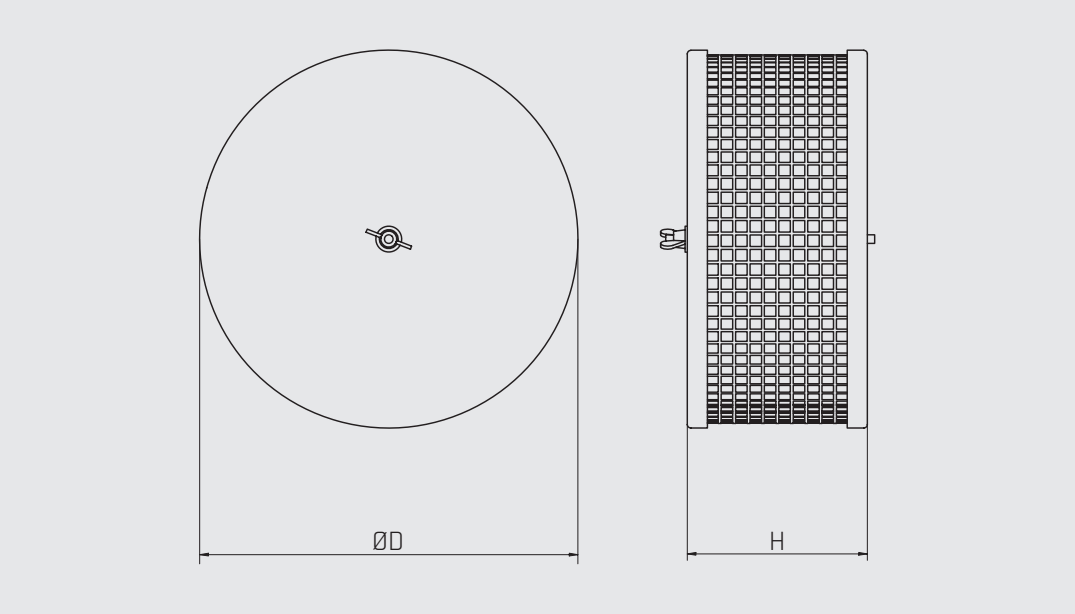



Dimensiones en mm

| Modelo | ØD1 | ØD2 | ØD3 | H | L | L1 | L2 | X | ØO | nº artículo |
|---|---|---|---|---|---|---|---|---|---|---|
| SC10 | 45 | 68 | 80 | 122 | 5 | 13 | 90 | 4 | 5,5 | 46515162 |
| SC20 | 45 | 68 | 80 | 122 | 5 | 13 | 90 | 4 | 5,5 | 46515162 |
| DCS/PSC/SC30 | 58 | 85 | 104 | 143 | 5 | 13 | 90 | 4 | 6,5 | 46515172 |
| DCS/PSC/SC40 | 75 | 110 | 130 | 168 | 5 | 13 | 90 | 4 | 9 | 46515182 |
| SC46/SC50 | 100 | 130 | 150 | 189 | 5 | 13 | 90 | 4 | 9 | 46515192 |



# FILTRO DE ASPIRACIÓN

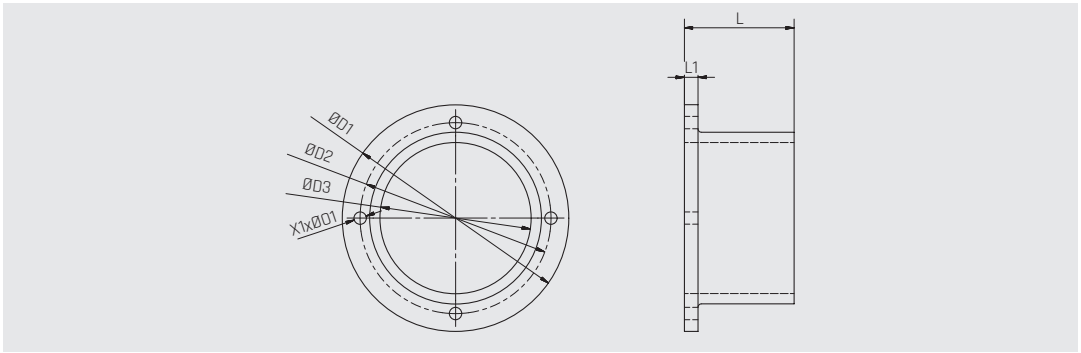



Versión semicircular

| Modelo | ØD | H | nº artículo |
|---|---|---|---|
| MPA 03 / MPA 25 | 260 | 125 | 25511485-20 |
| MPA 40 / MPA 50 | 260 | 175 | 25511485-22 |
| MBA 30 | 260 | 175 | 25511485-22 |
| MBA 75 | 260 | 192 | 25511485 |
| MRA 200 | 260 | 192 | 25511485 |
| HP100 | 260 | 340 | 25511486-20 |
| HPBx 25 / HPB-F-025 | 260 | 230 | 25511486-40 |
| HPBx 30 / HPB-F-030 | 260 | 340 | 25511486-20 |
| HP200 / HPB-F-200 | 350 | 362 | 25511486-22 |
| MBA 40 | 260 | 240 | 25511485-24 |
| HPB-F-040 | 260 | 340 | 25511486-43 |
| MPA 60 / MPA 70 / MPA 80 / MPA 90 | 260 | 280 | 25511485-14 |
| MBA 110 / MRA 260 | 260 | 260 | 25511486-10 |
| MBA 220 / MBA 280 | 260 | 260 | 25511486-12 |
| HP260 /HP360 | 260 | 560 | 25511486-24 |
| HPB-F-260 / HPB-F-360 | 260 | 560 | 25511486-24 |
| MBA 300 | 420 | 270 | 25511486-14 |
| MRA 300 | 420 | 270 | 25511486-14 |
| HP300 | 420 | 460 | 25511486-44 |
| HPB-F-300 | 420 | 460 | 25511486-44 |
| MBA 400 | 560 | 450 | 25511486-16 |
| MRA 400 | 560 | 450 | 25511486-16 |
| HP400 | 560 | 750 | 25511486-30 |
| HPB-F-400 | 560 | 750 | 25511486-30 |
| MPA 160 | 560 | 450 | 25511485-16 |
| MPA 290 / MPA 350 | 560 | 450 | 25511485-18 |
| MPA 600 | 560 | 640 | 25511486-18 |
| MBA 600 | 560 | 640 | 25511486-18 |
| MRA 600 | 560 | 640 | 25511486-18 |

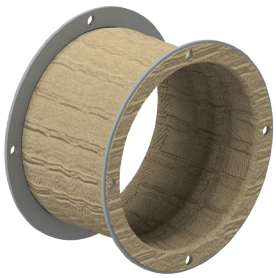


# BRIDA ASPIRACIÓN CON CUELLO

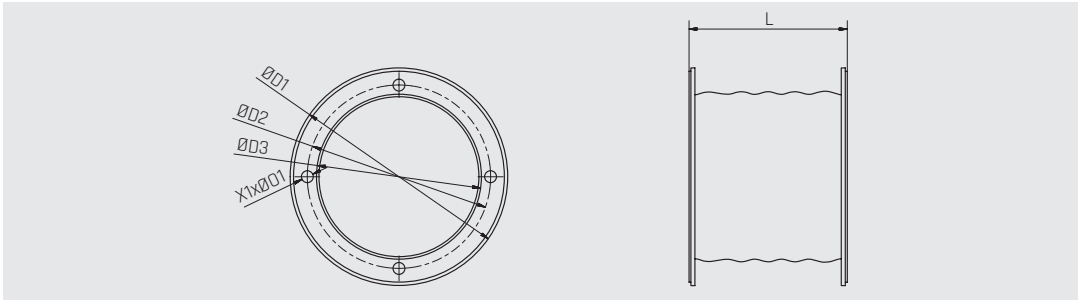



Dimensiones en mm

| Modelo | ØD1 | ØD2 | ØD3 | H | L | L1 | X1 | Ø01 | nº artículo |
|---|---|---|---|---|---|---|---|---|---|
| MPA 03 / MPA 25 / MRA 200 / HPB-F-025 / HPB-F-030 / HPBx-25 / HPBx-30 / HPBx-200 | 165 | 139 | 108 | 122 | 80 | 10 | 4 | 9 | 45510440 |
| MBA 30 / MTA 30 / MTA 75 | 165 | 139 | 108 | 122 | 54 | 10 | 4 | 9 | 45510440-04 |
| MBA 40 / HPB-F-040 | 200 | 165 | 150 | 143 | 80 | 10 | 4 | 8 | 46515053 |
| MBA 75 / MPA 40 / MPA 50 / HPB-F-200 | 165 | 139 | 125 | 168 | 80 | 10 | 4 | 9 | 46515040 |
| MBA 110 / MBA 220 / MBA 300 / MTA 110 / MTA 300 / MPA 60 / MPA 70 / MPA 80 / MPA 90 / MRA 260 / MRA 300 / HPB-F-260 / HPB-F-300 / HPB-F-360 / / HPBx-260 / HPBx-300 | 200 | 182 | 160 | 189 | 80 | 10 | 4 | 9 | 46515050 |
| MPA 160 | 250 | 220 | 180 | 4 | 80 | 10 | 4 | 12 | 25510480 |
| MPA 290 / MPA 350 | 243 | 217 | 180 | 4 | 80 | 10 | 4 | 12 | 25510590 |
| MBA 400 / MTA 310 / MRA 400 / HPB-F-400 | 234 | 200 | 160 | 4 | 80 | 10 | 8 | 7 | 46515052 |
| MBA 600 / MPA 600 / MRA 600 / HPB-F-600 | 280 | 260 | 220 | 4 | 80 | 10 | 8 | 9 | 46515051 |

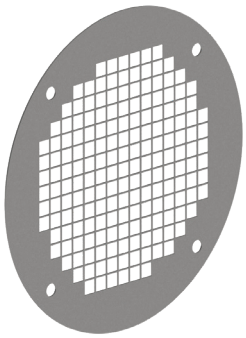


# BRIDA ELÁSTICA DE ASPIRACIÓN

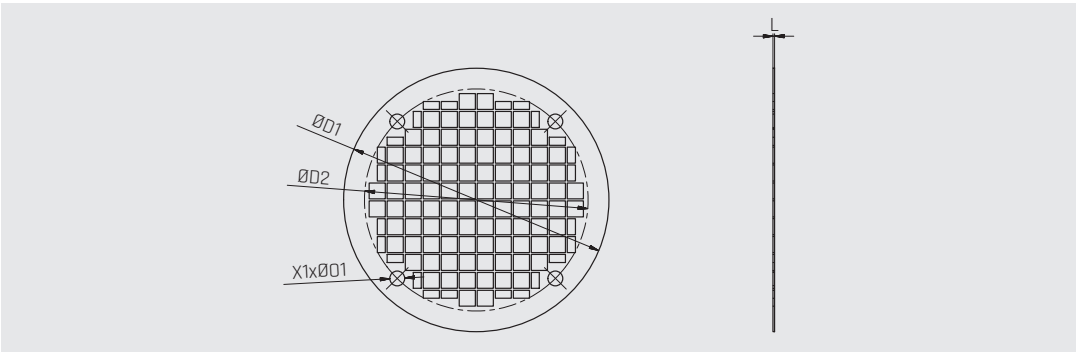



Dimensiones en mm

| Modelo | ØD1 | ØD2 | ØD3 | L | X1 | Ø01 | nº artículo |
|---|---|---|---|---|---|---|---|
| MBA 30 / MBA 75 / MRA 200 / MPA 03 / MPA 25 / MPA 40 / MPA 50 / MRA 200 / HPB-F-025 / HPB-F-030 / HPB-F-200 / HPBx-25 / HPBx-30 / HPBx-200 | 165 | 139 | 125 | ~120 | 4 | 9 | 42519930 |
| MBA 40 / HPB-F-040 | 200 | 165 | 150 | ~120 | 4 | 7 | 42519930-01 |
| MBA 110 / MBA 220 / HPB-F-260 / HPB-F-360 / HPBx-260 | 200 | 182 | 126 | ~120 | 4 | 9 | 42519931 |
| MBA 300 / MTA 110 / MTA 300 / MPA 60 / MPA 70 / MPA 80 / MPA 90 / MRA 260 / MRA 300 / HPB-F-300 / HPBx-300 | 200 | 182 | 140 | ~120 | 8 | 8 | 42519932 |
| MBA 400 / MTA 310 / MRA 400 / HPB-F-400 | 234 | 200 | 162 | ~120 | 8 | 8 | 42519933 |
| MBA 600 / MPA 600 / MRA 600 / HPB-F-600 | 280 | 260 | 212 | ~120 | 8 | 8 | 42519934 |



# DEFENSA DE ASPIRACIÓN

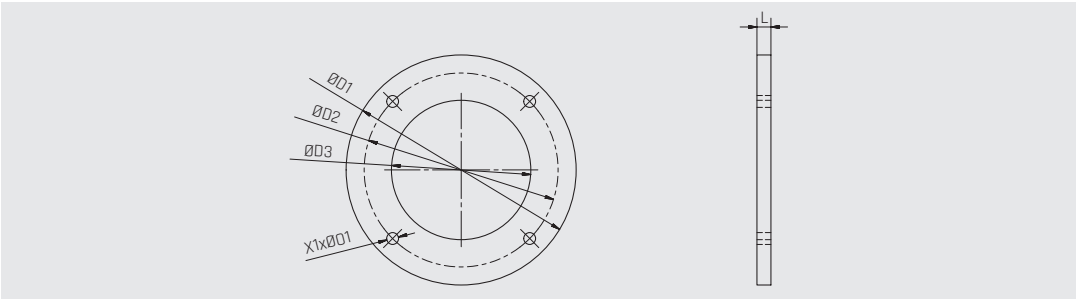



Dimensiones en mm

| Modelo | ØD1 | ØD2 | L | X1 | Ø01 | nº artículo |
|---|---|---|---|---|---|---|
| MPA 03 / MPA 25 / MRA 200 / HPB-F-025 / HPB-F-030 / HPBx-25 / HPBx-30 / HPBx-200 | 165 | 139 | 1 | 4 | M8 | 26510223 |
| MPA 03 / MPA 25 | 164 | 139 | 1 | 4 | 9,2 | 45510500 |
| MPA 40 / MPA 50 | 165 | 139 | 1 | 4 | 7 | 45510510 |
| MBA 40 / HPB-F-040 | 200 | 165 | 1 | 4 | M8 | 26510223-05 |
| MPA 60 / MPA 70 / MPA 80 / MPA 90 | 200 | 182 | 1 | 4 | 9,2 | 45510520 |
| MBA 110 / MTA 110 / MRA 260 / HPB-F-260 | 200 | 182 | 1 | 4 | M8 | 25511384 |
| MBA 220 / HPB-F-360 | 200 | 182 | 1 | 4 | M8 | 25511693 |
| MBA 300 / MTA 300 / MRA 300 / HPB-F-300 | 200 | 182 | 1 | 8 | M8 | 25511508 |
| MBA 400 / MTA 310 / MRA 400 / HPB-F-400 | 234 | 200 | 1 | 8 | M6 | 25511528 |
| MPA 160 | 250 | 220 | 1 | 4 | 12 | 45510530 |
| MPA 290 / MPA 350 | 245 | 217 | 1 | 8 | 10 | 45510540 |
| MBA 600 / MRA 600 / HPB-F-600 | 280 | 260 | 1 | 8 | 9 | 25511547 |



# CONTRABRIDA ASPIRACIÓN

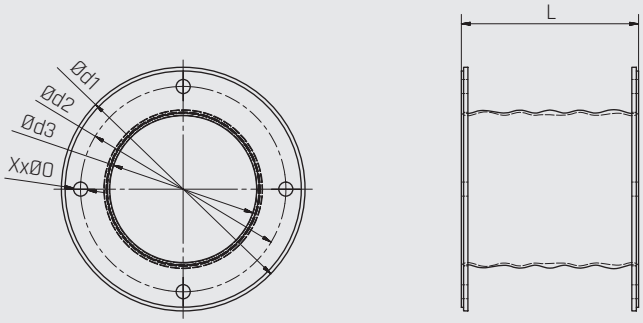



Dimensiones en mm

| Modelo | ØD1 | ØD2 | ØD3 | L | X1 | ØO1 | nº artículo |
|---|---|---|---|---|---|---|---|
| MBA 40 / MPA 03 / MPA 25 / MRA 200 / HPBx-25 / HPBx-30 | 165 | 139 | 100 | 10 | 4 | 8,5 | 45515440 |
| MBA 30 / MBA 75 / MPA 40 / MPA 50 / HPB-F-025 / HPB-F-030 / HPB-F-200 / HPBx-200 | 165 | 139 | 110 | 10 | 4 | 9 | 45515460 |
| MBA 110 / MBA 220 / MBA 300 / MPA 60 / MPA 70 / MPA 80 / MPA 90 / MRA 260 / MRA 300 / HPB-F-260 / HPB-F-300 / HPB-F-360 / HPBx-260 / HPBx-300 | 200 | 182 | 148 | 10 | 4 | 9 | 45515510 |
| MPA 160 | 250 | 220 | 170 | 10 | 4 | 12 | 45515525 |
| MBA 400 / MTA 310 / MRA 400 / HPB-F-400 | 234 | 200 | 162 | 10 | 8 | 10 | 45516588 |
| MPA 290 / MPA 350 | 243 | 217 | 180 | 10 | 8 | 9,5 | 45515595 |
| MBA 600 / MPA 600 / MRA 600 / HPB-F-600 | 280 | 260 | 212 | 10 | 8 | 8,5 | 45516586 |



# ACOPLAMIENTO ELÁSTICO DESCARGA

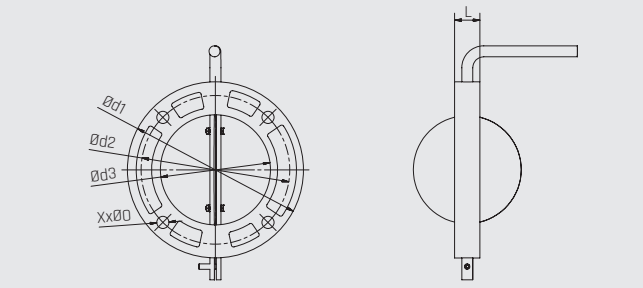



Dimensiones en mm

| Modelo | Ød1 | Ød2 | Ød3 | L | X | ØO1 | nº artículo |
|---|---|---|---|---|---|---|---|
| MBA 30 / MTA 30 / MPA 80 / MPA 90 / HPB-F 030 / HPBx-30 | 160 | 135 | ~100 | ~120 | 4 | 11 | 42519936 |
| MBA 40 / MBA 75 / MBA 110 / MTA 75 / MTA 110 / MPA 60 / MPA 70 / MRA 200 / MRA 260 / HPB-F-040 / HPB-F-200 / HPB-F-260 / HPBx-200 / HPBx-260 | 165 | 139 | ~100 | ~120 | 4 | 9,5 | 42519937 |
| MBA 220 / MTA 310 | 230 | 200 | ~160 | ~120 | 4 | 9,5 | 42519939 |
| MBA 300 / MTA 300 / MRA 300 / HPB-F-300 / HPBx-300 | 191 | 165 | ~125 | ~120 | 4 | 9,5 | 42519940 |
| MBA 400 / MRA 400 / HPB-F-360 / HPB-F-400 | 234 | 200 | ~160 | ~120 | 4 | 11,5 | 42519941 |
| MBA 600 / MPA 600 / MRA 600 / HPB-F-600 | 270 | 240 | ~180 | ~120 | 4 | 14 | 42519938 |



# COMPUERTA

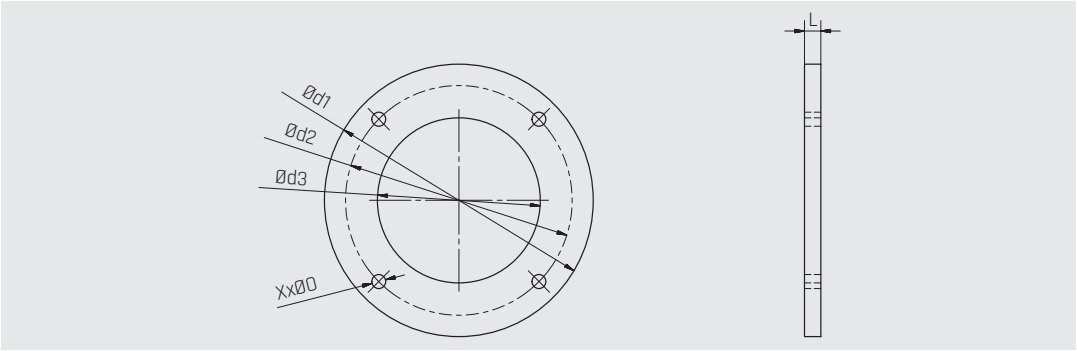



Dimensiones en mm

| Modelo | Ød1 | Ød2 | Ød3 | L | H | X1 | ØO1 | nº artículo |
|---|---|---|---|---|---|---|---|---|
| MBA 30 / MBA 75 / MRA 200 / MPA 03 / MPA 25 / MPA 40 / MPA 50 / MRA 200 / HPB-F-025 / HPB-F-030 / HPB-F-200 / HPBx-25 / HPBx-30 / HPBx-200 | 160 | 135 | 100 | 23 | 212 | 4 | 11 | 45510415 |
| MBA 40 / HPB-F-040 | - | - | - | - | - | - | - | - |
| MBA 110 / MBA 220 / HPB-F-260 / HPB-F-360 / HPBx-260 | - | - | - | - | - | - | - | - |
| MBA 300 / MTA 110 / MTA 300 / MPA 60 / MPA 70 / MPA 80 / MPA 90 / MRA 260 / MRA 300 / HPB-F-300 / HPBx-300 | - | - | - | - | - | - | - | - |
| MBA 400 / MTA 310 / MRA 400 / HPB-F-400 | 234 | 200 | 162 | ~120 | ~120 | 8 | 8 | 25511348 |
| MBA 600 / MPA 600 / MRA 600 / HPB-F-600 | 191 | 165 | 125 | 20 | 235 | 4 | 9,5 | 25511347 |
| MBA 600 | - | - | - | - | - | - | - | - |

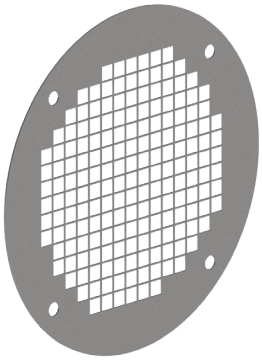


# CONTRABRIDA DESCARGA

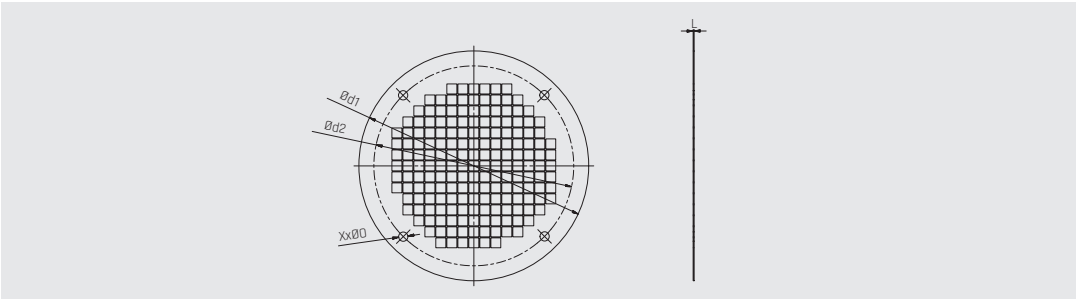



Dimensiones en mm

| Modelo | Ød1 | Ød2 | Ød3 | L | X1 | ØO1 | nº artículo |
|---|---|---|---|---|---|---|---|
| MPA 03 / MPA 25 / HPB-F 025 / HPBx-25 | 115 | 95 | 65 | 10 | 4 | 10 | 45515450 |
| MPA 40 / MPA 50 | 130 | 112 | 80 | 10 | 4 | 11 | 45515465 |
| MBA 30 / MTA 30 / HPB-F 030 / HPBx-30 | 160 | 135 | 100 | 10 | 4 | 9 | 45510510 |
| MBA 40 / MBA 75 / MBA 110 / MTA 75 / MTA 110 / MPA 60 / MPA 70 / MRA 200 / MRA 260 / HPB-F-040 / HPB-F-200 / HPB-F-260 / HPBx-200 / HPBx-260 | 165 | 139 | 100 | 10 | 4 | 9,5 | 45515500 |
| MPA 80 / MPA 90 | 160 | 135 | 100 | 10 | 4 | 11 | 45515470 |
| MBA 220 / MBA 400 / MTA 310 / MRA 400 / HPB-F-360 / HPB-F-400 | 230 | 200 | 160 | 10 | 4 | 9 | 45516587 |
| MPA 160 | 200 | 168 | 125 | 10 | 4 | 12 | 45515520 |
| MBA 300 / MTA 300 / MRA 300 / HPB-F-300 / HPBx-300 | 190 | 165 | 125 | 10 | 8 | 9 | 45516580 |
| MPA 290 / MPA 350 | 260 | 230 | 170 | 10 | 8 | 13 | 45515590 |
| MBA 600 / MRA 600 / MPA 600 / MRA 600 / HPB-F-600 | 270 | 240 | 180 | 10 | 4 | 14 | 45516585 |

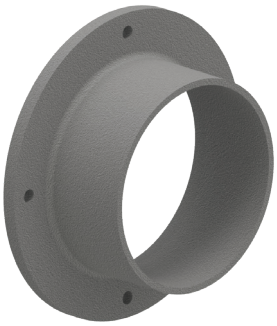


# DEFENSA DESCARGA

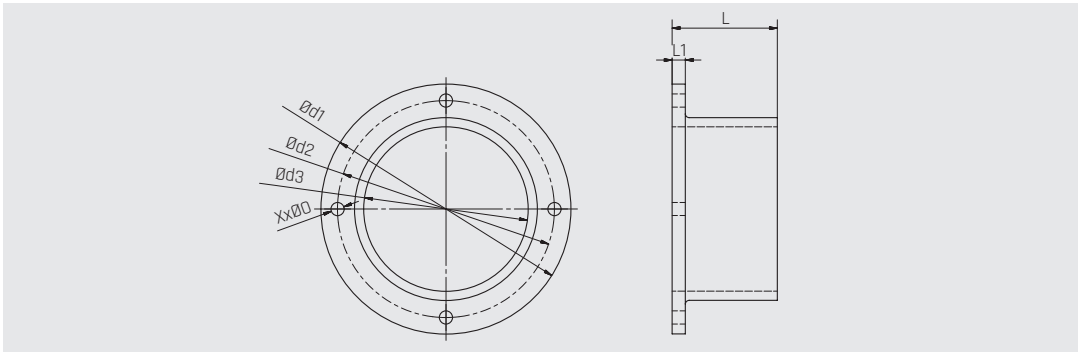



Dimensiones en mm

| Modelo | Ød1 | Ød2 | L | X1 | ØO1 | nº artículo |
|---|---|---|---|---|---|---|
| MPA 03 / MPA 25 / HPB-F 025 | 115 | 95 | 1 | 4 | 10 | 45510550 |
| MPA 40 / MPA 50 | 130 | 112 | 1 | 4 | 11 | 45510560 |
| MBA 30 / MTA 30 / HPB-F-030 | 160 | 135 | 1 | 4 | 11 | 25511536-06 |
| MBA 40 / MBA 75 / MBA 110 / MTA 75 / MTA 110 / MPA 60 / MPA 70 / MRA 200 / MRA 260 / HPB-F-040 / HPB-F-200 / HPB-F-260 | 165 | 139 | 1 | 4 | 9 | 26510224 |
| MPA 80 / MPA 90 | 160 | 135 | 1 | 4 | 11 | 45510570 |
| MBA 220 / MBA 400 / MTA 310 / MRA 400 / HPB-F-360 / HPB-F-400 | 230 | 200 | 1 | 4 | 9 | 26510173 |
| MPA 160 | 200 | 168 | 1 | 4 | 12 | 45510580 |
| MBA 300 / MTA 300 / MRA 300 / HPB-F-300 | 190 | 165 | 1 | 4 | 9 | 25511503 |
| MPA 290 / MPA 350 | 260 | 230 | 1 | 4 | 13 | 45510590 |
| MBA 600 / MRA 600 / HPB-F-600 | 270 | 240 | 1 | 4 | 14 | 26510179 |



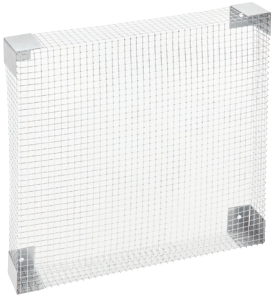
# BRIDA ACOPLAMIENTO DESCARGA CON CUELLO



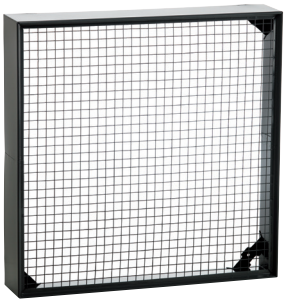

Dimensiones en mm

| Modelo | Ød1 | Ød2 | Ød3 | L | L1 | X1 | Ø01 | nº artículo |
|---|---|---|---|---|---|---|---|---|
| MPA 03/ MPA 25 / HPB-F 025 / HPBx-25 | 115 | 95 | 65 | 80 | 10 | 4 | 10 | 45510450 |
| MPA 40 / MPA 50 | 130 | 112 | 80 | 80 | 10 | 4 | 11 | 45510465 |
| MBA 30 / MTA 30 / MPA 80 / MPA 90 / HPB-F-030 / HPBx-30 | 165 | 135 | 100 | 70 | 10 | 4 | 11 | 45510470 |
| MBA 40 / MBA 75 / MBA 110 / MTA 75 / MTA 110 / MPA 60 / MPA 70 / HPB-F-040 / HPB-F-200 / HPB-F-260 / HPBx-200 / HPBx-260 | 165 | 139 | 100 | 80 | 10 | 4 | 9 | 46515040-01 |
| MBA 220 / MTA 310 / HPBx-300 | 230 | 200 | 160 | 80 | 10 | 4 | 10 | 46515065-01 |
| MPA 160 | 200 | 168 | 125 | 80 | 10 | 4 | 12 | 25510485 |
| MBA 300 / MTA 300 / MRA 300 / HPB-F-300 | 190 | 165 | 125 | 80 | 10 | 4 | 8 | 46515060-10 |
| MBA 400 / MRA 400 / HPB-F-360 / HPB-F-400 | 230 | 200 | 160 | 80 | 11 | 4 | 10 | 46515065-01 |
| MPA 290 / MPA 350 | 260 | 230 | 170 | 80 | 10 | 4 | 13 | 25510595 |
| MPA 600 | 270 | 240 | 190 | 80 | 10 | 4 | 14 | 46515069 |
| MBA 600 / MRA 600 / HPB-F-600 | 270 | 240 | 180 | 80 | 10 | 4 | 14 | 46515065-13 |

## ACCESORIOS PARA LAS SERIES HCFB/HCFT - HCBB/HCBT



Configuración constructiva 250 a 525



Configuración constructiva 630 a 1000

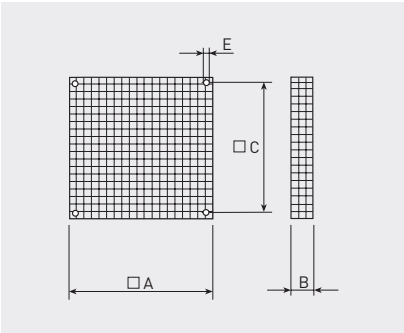
# DEF-D

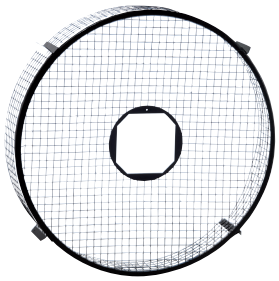
### DEFENSAS DE PROTECCIÓN

Para prevenir contactos con las hélices de los ventiladores.
Para instalar en el lado de descarga.

| Modelo | Ø A | B | Ø C | Ø E |
|---|---|---|---|---|
| DEF-250 D | 332 | 64 | 286 | 8 |
| DEF-325 D | 397 | 64 | 351 | 8 |
| DEF-375 D | 449 | 64 | 403 | 8 |
| DEF-450 D | 501 | 64 | 455 | 8 |
| DEF-525 D | 553 | 64 | 507 | 8 |
| DEF-630 D | 808 | 150 | 735 | 8 |
| DEF-800 D | 1008 | 140 | 935 | 8 |
| DEF-1000 D | 1258 | 155 | 1185 | 8 |

Anchura espacio entre malla (mm):
**10,6 x 10,6** (modelos 250 a 525)
**25 x 25** (modelos 630 a 1000)



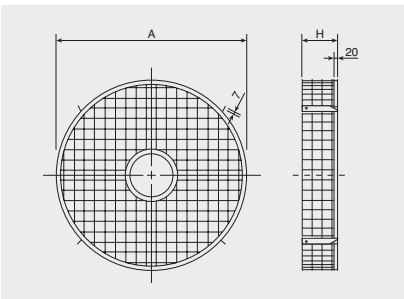
# DEF-AN

### DEFENSAS DE PROTECCIÓN

Para prevenir contactos con las hélices de los ventiladores.
Para instalar en el lado de aspiración.

| Modelo | Ø A | H |
|---|---|---|
| DEF-800 AN | 926 | 178 |
| DEF-900 AN / DEF-901 AN | 1026 | 228 |
| DEF-1000 AN | 1154 | 163 |
| DEF-1001 A | | |

Anchura espacio entre malla (mm): **25 x 25**





Configuración modelos 100 a 500



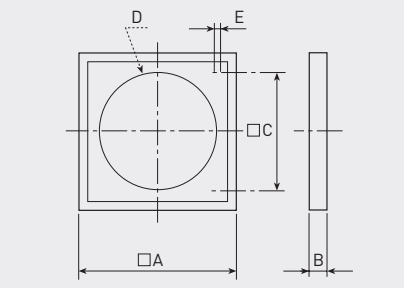
Configuración modelos 560 a 1000

# PER-W

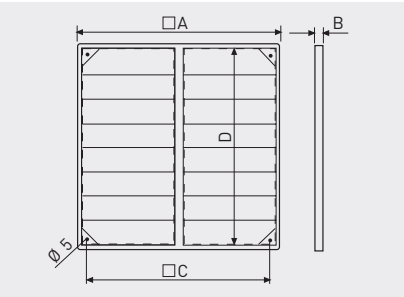
## PERSIANAS DE SOBREPRESIÓN

Persianas de sobrepresión construidas en material termoplástico estabilizado contra los rayos UV.
Color gris RAL7035.

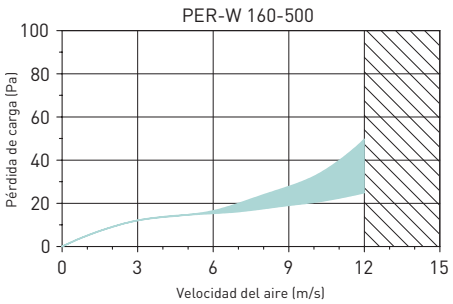
| Modelo | Ø A | B | C | Ø D | Ø E |
|---|---|---|---|---|---|
| PER-100 W | 123 | 12 | 90 | 98 | 4 |
| PER-125 W | 158 | 15 | 110 | 130 | 4 |
| PER-160 W | 178 | 20 | 130 | 152 | 4 |
| PER-200 W | 243 | 21 | 184 | 205 | 5 |
| PER-250 W | 294 | 26 | 233 | 260 | 5 |
| PER-355 W | 394 | 26 | 310 | 360 | 5 |
| PER-400 W | 457 | 26 | 365 | 420 | 5 |
| PER-450 W | 499 | 31 | 395 | 460 | 5 |
| PER-500 W | 548 | 31 | 443 | 510 | 5 |

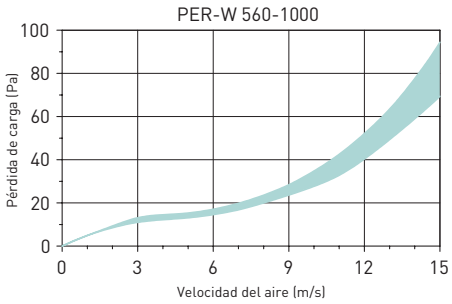



| Modelo | Ø A | D | Ø C | B |
|---|---|---|---|---|
| PER-560 W | 605 | 565 | 522 | 28 |
| PER-630 W | 696 | 655 | 626 | 31 |
| PER-710 W | 760 | 720 | 692 | 40 |
| PER-800 W | 840 | 800 | 772 | 40 |
| PER-1000 W | 1040 | 1000 | 972 | 40 |




### Pérdida de carga



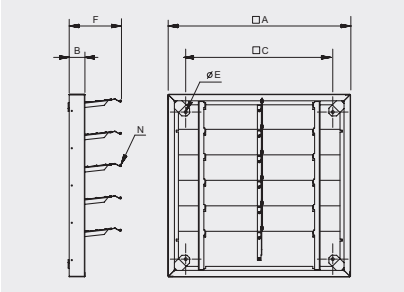


# PER-CR

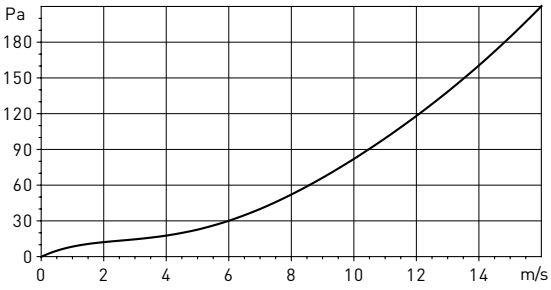
## PERSIANAS DE SOBREPRESIÓN

Con marco de chapa de acero y lamas de aluminio, ligeras y resistentes, con dispositivo que permite una perfecta y coordinada apertura de todas sus lamas. Incorporan malla interior que evita la entrada de cuerpos extraños.
Para instalar en el lado de la descarga.

| Modelo | A | B | C | ØE | F | N |
|---|---|---|---|---|---|---|
| PER-250 CR | 386 | 60 | 287 | 8 | 146 | 4 |
| PER-355 CR | 450 | 60 | 352 | 8 | 146 | 5 |
| PER-400 CR | 503 | 60 | 405 | 8 | 146 | 6 |
| PER-450 CR | 556 | 60 | 458 | 8 | 146 | 7 |
| PER-500 CR | 610 | 60 | 511 | 8 | 146 | 7 |
| PER-630 CR | 700 | 60 | 590 | 10 | 200 | 5 |
| PER-710 CR | 800 | 60 | 690 | 10 | 200 | 6 |
| PER-800 CR | 900 | 60 | 790 | 10 | 200 | 7 |
| PER-1000 CR | 1100 | 60 | 990 | 10 | 200 | 8 |




### Pérdida de carga



ACCESORIOS PARA
LA SERIE TGT/TCT

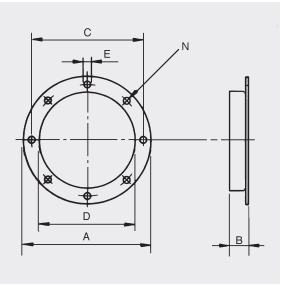
# ARO BRIDA

## BRIDAS DE ACOPLAMIENTO

Para conectar ventiladores helicoidales tubulares TGT/THGT a conducto.



| Modelo | Ø A | B | Ø C | Ø D | Ø E | Nº de aguj. | Peso (kg) |
|---|---|---|---|---|---|---|---|
| ARO BRIDA TGT/THGT-400 N | 487 | 55 | 450 | 400 | 12 | 8 | 1,94 |
| ARO BRIDA TGT/THGT-450 N | 537 | 55 | 500 | 450 | 12 | 8 | 2,17 |
| ARO BRIDA TGT/THGT-500 N | 595 | 55 | 560 | 500 | 12 | 12 | 2,51 |
| ARO BRIDA TGT/THGT-560 N | 655 | 55 | 620 | 560 | 12 | 12 | 2,80 |
| ARO BRIDA TGT/THGT-630 N | 725 | 55 | 690 | 630 | 12 | 12 | 3,14 |
| ARO BRIDA TGT/THGT-710 N | 806 | 60 | 770 | 710 | 12 | 16 | 4,62 |
| ARO BRIDA TGT/THGT-800 N | 896 | 60 | 860 | 800 | 12 | 16 | 5,20 |
| ARO BRIDA TGT/THGT-900 N | 1006 | 60 | 970 | 900 | 12 | 16 | 6,12 |
| ARO BRIDA TGT/THGT-1000 N | 1105 | 60 | 1070 | 1000 | 15 | 16 | 8,00 |
| ARO BRIDA TGT/THGT-1120 N | 1225 | 65 | 1190 | 1120 | 15 | 20 | 9,40 |
| ARO BRIDA TGT/THGT-1250 N | 1355 | 65 | 1320 | 1250 | 15 | 20 | 10,47 |
| ARO BRIDA TGT/THGT-1400 N | 1508 | 65 | 1470 | 1400 | 15 | 20 | 11,88 |
| ARO BRIDA TGT/THGT-1600 N | 1725 | 65 | 1680 | 1600 | 19 | 24 | 14,60 |




# ACOPEL F400 N

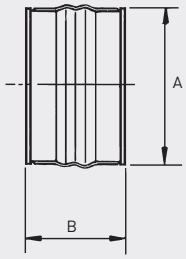
## ACOPLAMIENTOS ELÁSTICOS CIRCULARES

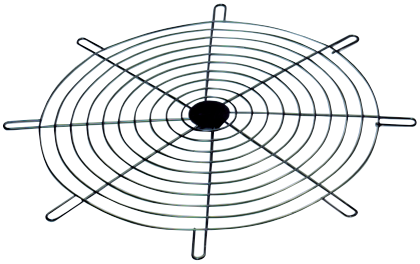
Desenfumage, capacitados para trabajar a 400°C/2h.





| Modelo | Ø A | B |
|---|---|---|
| ACOPEL F400-120/160 N | 115 | 160 |
| ACOPEL F400-140/160 N | 128 | 160 |
| ACOPEL F400-160/160 N | 163 | 160 |
| ACOPEL F400-180/160 N | 190 | 160 |
| ACOPEL F400-200/160 N | 203 | 160 |
| ACOPEL F400-225/160 N | 227 | 160 |
| ACOPEL F400-250/160 N | 260 | 160 |
| ACOPEL F400-280/160 N | 283 | 160 |
| ACOPEL F400-315/160 N | 323 | 160 |
| ACOPEL F400-355/160 N | 365 | 160 |
| ACOPEL F400-400/160 N | 410 | 160 |
| ACOPEL F400-450/160 N | 458 | 160 |
| ACOPEL F400-500/160 N | 510 | 160 |
| ACOPEL F400-560/160 N | 568 | 160 |
| ACOPEL F400-630/160 N | 640 | 160 |
| ACOPEL F400-710/180 N | 721 | 180 |
| ACOPEL F400-800/180 N | 809 | 180 |
| ACOPEL F400-900/180 N | 909 | 180 |
| ACOPEL F400-1000/180 N | 1010 | 180 |
| ACOPEL F400-1120/200 N | 1130 | 200 |
| ACOPEL F400-1250/200 N | 1260 | 200 |
| ACOPEL F400-1400/200 N | 1410 | 200 |
| ACOPEL F400-1600/200 N | 1610 | 200 |



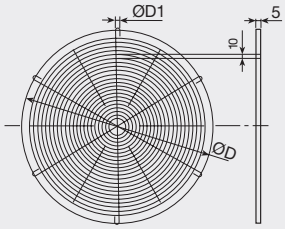


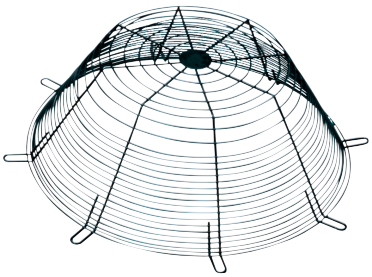
# DEFENSA DE ASPIRACIÓN TGT/THGT

## DEFENSAS DE PROTECCIÓN

Para montarse en la aspiración (lado hélice) de los ventiladores helicoidales tubulares TGT/THGT.

| Modelo | D | D1 | Núm. de agujeros | Peso (kg) |
|---|---|---|---|---|
| DEFENSA DE ASPIRACIÓN TGT/THGT-400 | 450 | 12 | 4 | 1,1 |
| DEFENSA DE ASPIRACIÓN TGT/THGT-450 | 500 | 12 | 4 | 1,2 |
| DEFENSA DE ASPIRACIÓN TGT/THGT-500 | 560 | 12 | 6 | 1,7 |
| DEFENSA DE ASPIRACIÓN TGT/THGT-560 | 620 | 12 | 6 | 2,1 |
| DEFENSA DE ASPIRACIÓN TGT/THGT-630 | 690 | 12 | 6 | 2,6 |
| DEFENSA DE ASPIRACIÓN TGT/THGT-710 | 770 | 12 | 8 | 3,3 |
| DEFENSA DE ASPIRACIÓN TGT/THGT-800 | 860 | 12 | 8 | 4,0 |
| DEFENSA DE ASPIRACIÓN TGT/THGT-900 | 970 | 12 | 8 | 4,9 |
| DEFENSA DE ASPIRACIÓN TGT/THGT-1000 | 1070 | 12 | 8 | 5,9 |
| DEFENSA DE ASPIRACIÓN TGT/THGT-1120 | 1190 | 12 | 10 | 8,0 |
| DEFENSA DE ASPIRACIÓN TGT/THGT-1250 | 1320 | 12 | 10 | 9,2 |
| DEFENSA DE ASPIRACIÓN TGT/THGT-1400 | 1470 | 12 | 10 | 13,0 |
| DEFENSA DE ASPIRACIÓN TGT/THGT-1600 | 1680 | 12 | 12 | 16,0 |

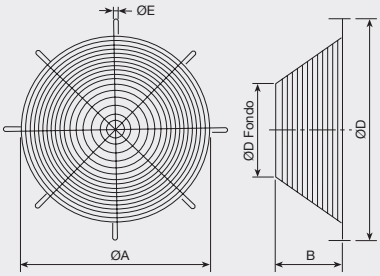


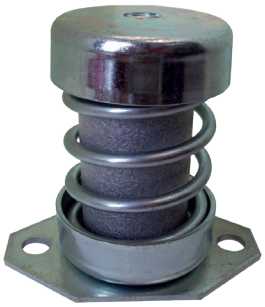
# DEFENSA DE DESCARGA TGT/THGT

## DEFENSAS DE PROTECCIÓN

Para montarse en la descarga (lado motor) de los ventiladores helicoidales tubulares TGT/THGT.




| Modelo | Ø A | Ø B | Fondo Ø D | Ø D | Ø E | Núm. de agujeros | Peso (kg) |
|---|---|---|---|---|---|---|---|
| DEFENSA DE DESCARGA TGT/THGT-400 | 380 | 170 | 365 | 465 | 12 | 4 | 2,2 |
| DEFENSA DE DESCARGA TGT/THGT-450 | 430 | 235 | 385 | 515 | 12 | 4 | 2,7 |
| DEFENSA DE DESCARGA TGT/THGT-500 | 480 | 235 | 480 | 560 | 12 | 6 | 3,5 |
| DEFENSA DE DESCARGA TGT/THGT-560 | 540 | 295 | 510 | 620 | 12 | 6 | 4,2 |
| DEFENSA DE DESCARGA TGT/THGT-630 | 610 | 295 | 382 | 690 | 12 | 6 | 3,4 |
| DEFENSA DE DESCARGA TGT/THGT-710 | 690 | 295 | 420 | 770 | 12 | 8 | 4,4 |
| DEFENSA DE DESCARGA TGT/THGT-800 | 780 | 295 | 460 | 860 | 12 | 8 | 5,2 |
| DEFENSA DE DESCARGA TGT/THGT-900 | 880 | 335 | 540 | 970 | 12 | 8 | 6,4 |
| DEFENSA DE DESCARGA TGT/THGT-1000 | 980 | 335 | 620 | 1070 | 12 | 8 | 8,1 |
| DEFENSA DE DESCARGA TGT/THGT-1120 | 1100 | 455 | 630 | 1190 | 15 | 10 | 15 |
| DEFENSA DE DESCARGA TGT/THGT-1250 | 1230 | 465 | 800 | 1320 | 12 | 10 | 13,5 |
| DEFENSA DE DESCARGA TGT/THGT-1400 | 1380 | 530 | 791 | 1470 | 15 | 12 | 15 |
| DEFENSA DE DESCARGA TGT/THGT-1600 | 1580 | 530 | 995 | 1680 | 20 | 12 | 15 |



# AM

## AMORTIGUADORES DE MUELLE

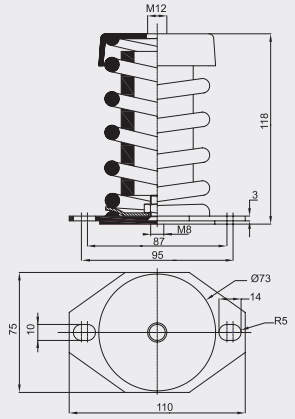
Soportes antivibratorios con base metálica con dos agujeros para fijarse en el suelo.

| Modelo | Carga máxima (kg)/Avm |
|---|---|
| AM-25M | 25 |
| AM-50M | 50 |
| AM-75M | 75 |
| AM-100M | 100 |
| AM-125M | 125 |

| Modelo | Carga máxima (kg)/Avm |
|---|---|
| AM-150M | 150 |
| AM-200M | 200 |
| AM-250M | 250 |
| AM-350M | 350 |
| AM-450M | 450 |
| AM-550M | 550 |

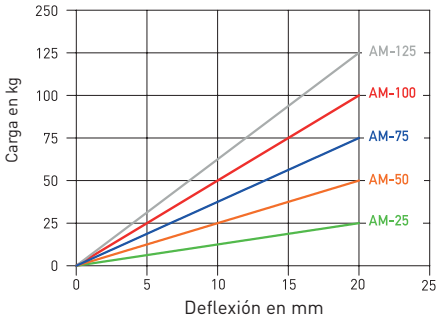
* Dividir el peso total del ventilador entre 4, ya que necesitamos 4 soportes antivibratorios por unidad y después buscar el modelo apropiado de acuerdo con su carga admisible.
Ejemplo: TGT-4-1000, con accesorios, peso 300 kg. 300/4=75 kg. Seleccionar 4 x AM100 con 15 mm de deflexión.

Dimensiones de AM-150 a AM-550

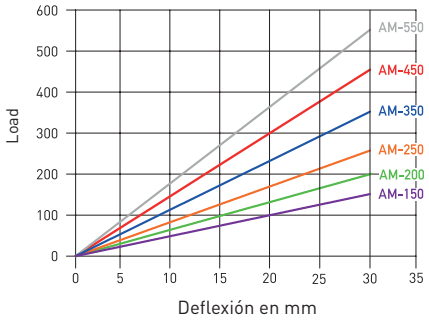



## Deflexión

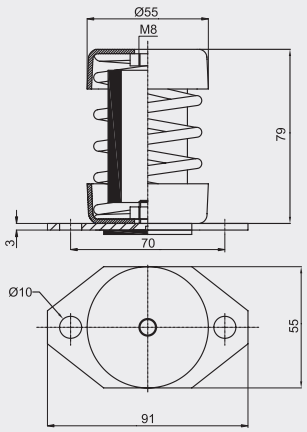
Deflexión AM-25M a 125M




Deflexión AM-150M a 550M



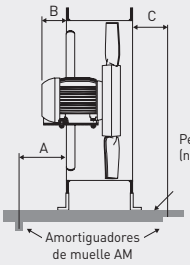

Dimensiones de AM-25 a AM-125



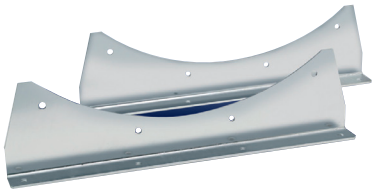

## Montaje de los amortiguadores de muelle AM

Para su correcta instalación con modelos de camisa corta, recomendamos el uso de un perfil-soporte complementario (no suministrado por S&P).

| Modelo TGT, THGT | A (mm) | C (mm) |
|---|---|---|
| 400 | 250 | 60 |
| 450 | 250 | 70 |
| 500 | 250 | 70 |
| 560 | 280 | 80 |
| 630 | 280 | 80 |
| 710 | 380 | 80 |
| 800 | 380 | 90 |
| 900 | 450 | 100 |
| 1000 | 450 | 100 |
| 1250 | 500 | 100 |




Para una correcta instalación, A debe ser mayor que B (A>B)

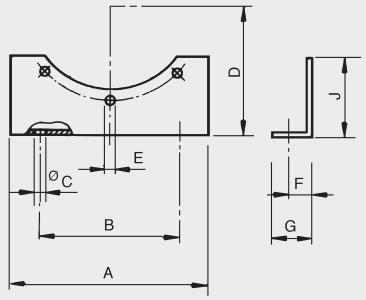


# PIE SOPORTE TGT

## JUEGO DE 2 PIES SOPORTE

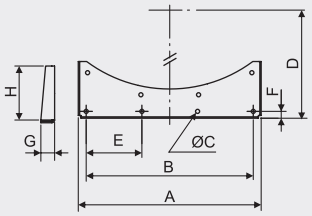
Para montar en la base de los ventiladores helicoidales tubulares TGT/THGT.
Versiones para montaje horizontal y versiones para montaje vertical.

### Pie soporte para montaje horizontal




| Modelo | A | B | Ø C | D | Ø E | F | G | J | Núm. de agujeros | Peso (kg) |
|---|---|---|---|---|---|---|---|---|---|---|
| PIE SOP.TGT/THGT-400 | 446 | 280 | 12,5 | 280 | 12,5 | 14 | 24 | 208 | 4 | 0,9 |
| PIE SOP.TGT/THGT-450 | 492 | 315 | 12,5 | 315 | 12,5 | 14 | 24 | 236 | 4 | 1,4 |
| PIE SOP.TGT/THGT-500 | 425 | 315 | 12,5 | 315 | 12,5 | 14 | 24 | 135 | 4 | 0,8 |
| PIE SOP.TGT/THGT-560 | 475 | 355 | 12,5 | 355 | 12,5 | 17 | 30 | 155 | 4 | 1,3 |
| PIE SOP.TGT/THGT-630 | 520 | 400 | 12,5 | 400 | 12,5 | 17 | 30 | 175 | 4 | 1,6 |
| PIE SOP.TGT/THGT-710 | 560 | 480 | 12,5 | 433 | 12,5 | 22 | 45 | 135 | 4 | 2,3 |
| PIE SOP.TGT/THGT-800 | 600 | 555 | 12,5 | 473 | 12,5 | 32 | 50 | 155 | 4 | 2,5 |
| PIE SOP.TGT/THGT-900 | 950 | 800 | 15 | 540 | 15 | 30 | 60 | 300 | 6 | 9 |
| PIE SOP.TGT/THGT-1000 | 1020 | 880 | 15 | 573 | 15 | 35 | 60 | 300 | 6 | 9,1 |
| PIE SOP.TGT/THGT-1120 | 1050 | 975 | 15 | 637,5 | 15 | 35 | 60 | 260 | 6 | 9,3 |
| PIE SOP.TGT/THGT-1250 | 1100 | 1030 | 15 | 714 | 15 | 35 | 60 | 280 | 6 | 10 |
| PIE SOP.TGT/THGT-1400 | 1300 | 1200 | 15 | 781 | 15 | 60 | 100 | 310 | 6 | 19,2 |
| PIE SOP.TGT/THGT-1600 | 1750 | 1650 | 20 | 910 | 20 | 60 | 100 | 450 | 8 | 33,6 |

### Pie soporte para montaje vertical

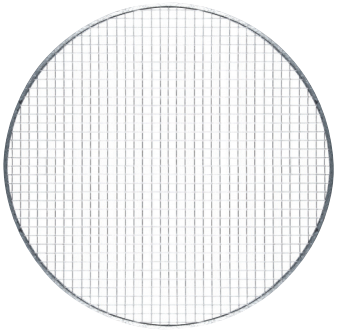


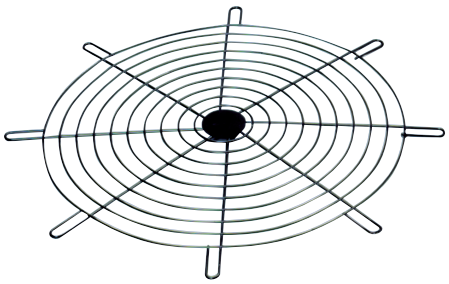

| Modelo | A | B | Ø C | D | E | F | G | H | Peso (kg) |
|---|---|---|---|---|---|---|---|---|---|
| PIE SOP.TGT/THGT-400 V | 477 | 435 | 12,5 | 280 | 4x145 | 20 | 40 | 210 | 1,7 |
| PIE SOP.TGT/THGT-450 V | 523 | 483 | 12,5 | 305 | 4x161 | 20 | 40 | 225 | 1,9 |
| PIE SOP.TGT/THGT-500 V | 486 | 444 | 12,5 | 335 | 4x148 | 20 | 40 | 155 | 1,8 |
| PIE SOP.TGT/THGT-560 V | 523 | 483 | 12,5 | 365 | 4x161 | 20 | 40 | 160 | 2 |
| PIE SOP.TGT/THGT-630 V | 582 | 540 | 12,5 | 400 | 4x180 | 20 | 40 | 175 | 2,3 |
| PIE SOP.TGT/THGT-710 V | 548 | 488 | 12,5 | 468 | 5x122 | 30 | 45 | 165 | 3,2 |
| PIE SOP.TGT/THGT-800 V | 600 | 552 | 12,5 | 490 | 4x184 | 20 | 40 | 150 | 3 |
| PIE SOP.TGT/THGT-900 V | 900 | 836 | 15 | 562 | 5x209 | 40 | 60 | 315 | 10,4 |
| PIE SOP.TGT/THGT-1000 V | 985 | 892 | 15 | 633 | 5x223 | 40 | 60 | 360 | 12,7 |
| PIE SOP.TGT/THGT-1120 V | 1030 | 900 | 15 | 637,5 | 5x225 | 35 | 60 | 280 | 13,1 |
| PIE SOP.TGT/THGT-1250 V | 1130 | 960 | 15 | 702,5 | 5x240 | 35 | 60 | 300 | 14,8 |
| PIE SOP.TGT/THGT-1400 V | 1250 | 1100 | 15 | 781 | 5x275 | 60 | 100 | 320 | 21,3 |
| PIE SOP.TGT/THGT-1600 V | 1530 | 1300 | 20 | 910 | 5x325 | 60 | 100 | 430 | 31,8 |

# DEF-T

## DEFENSAS DE PROTECCIÓN

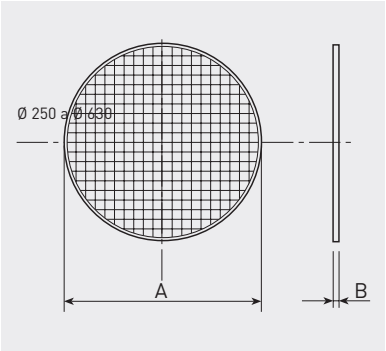
Para prevenir contactos con las hélices de los ventiladores.



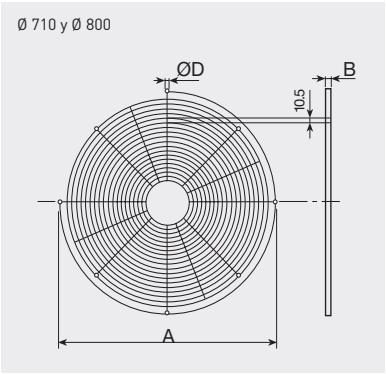


| Modelo | A | B | ØD | Núm. de agujeros |
|---|---|---|---|---|
| Defensas DEF-T (lado aspiración/descarga) | | | | |
| DEF-250 T | 312 | 1,2 | - | - |
| DEF-315 T | 380 | 3 | - | - |
| DEF-355 T | 420 | 3 | - | - |
| DEF-400 T | 475 | 3 | - | - |
| DEF-450 T | 525 | 3 | - | - |
| DEF-500 T | 595 | 3 | - | - |
| DEF-560 T | 655 | 3 | - | - |
| DEF-630 T | 725 | 3 | - | - |

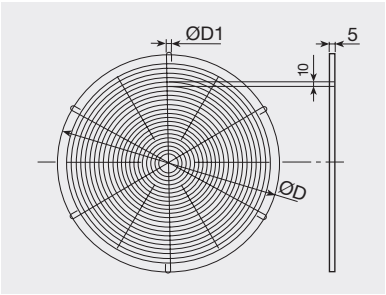
Anchura espacio entre malla (mm): **10,6 x 10,6** (modelos 250 a 630)




| Modelo | A | B | ØD | Núm. de agujeros |
|---|---|---|---|---|
| Defensas DEF-T ASPIRACIÓN (lado hélice) | | | | |
| DEF-710 T ASPIRACIÓN | 770 | 5 | 12 | 8 |
| DEF-800 T ASPIRACIÓN | 860 | 5 | 11 | 8 |




| Modelo | ØD | ØD1 | Núm. de agujeros | Peso (kg) |
|---|---|---|---|---|
| **Defensas aspiración** | | | | |
| DEFENSA DE ASPIRACIÓN TGT/THGT-900 | 970 | 12 | 8 | 4,9 |
| DEFENSA DE ASPIRACIÓN TGT/THGT-1000 | 1070 | 12 | 8 | 5,9 |



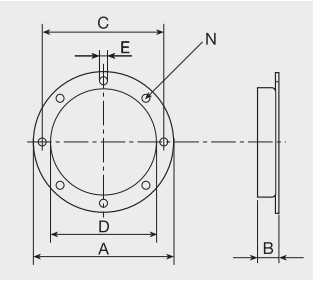


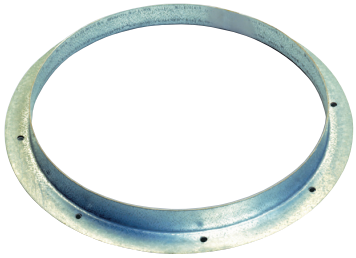
# ARO BRIDA COMPACT

## BRIDAS DE ACOPLAMIENTO

Para conectar ventiladores helicoidales tubulares COMPACT y TTT a conducto.

| Modelo | Ø A | B | Ø C | Ø D | Ø E | Núm. de agujeros |
|---|---|---|---|---|---|---|
| ARO BRIDA COMPACT-450 | 537 | 55 | 500 | 450 | 12 | 8 |
| ARO BRIDA COMPACT-500 | 595 | 55 | 560 | 500 | 12 | 12 |
| ARO BRIDA COMPACT-560 | 655 | 55 | 620 | 560 | 12 | 12 |
| ARO BRIDA COMPACT-630 | 725 | 55 | 690 | 630 | 12 | 12 |
| ARO BRIDA COMPACT-710 | 806 | 60 | 770 | 710 | 12 | 16 |
| ARO BRIDA COMPACT-800 | 896 | 60 | 860 | 800 | 12 | 16 |



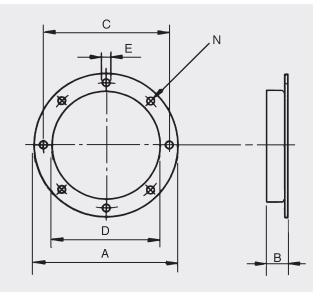



# ARO BRIDA TGT N

## BRIDAS DE ACOPLAMIENTO

Bridas de acoplamiento para conectar ventiladores helicoidales tubulares TGT/THGT a conducto.

| Modelo | Ø A | B | Ø C | Ø D | Ø E | Núm. de agujeros | Peso (kg) |
|---|---|---|---|---|---|---|---|
| ARO BRIDA TGT/THGT-900 N | 1006 | 60 | 970 | 900 | 12 | 16 | 6,12 |
| ARO BRIDA TGT/THGT-1000 N | 1105 | 60 | 1070 | 1000 | 15 | 16 | 8,00 |





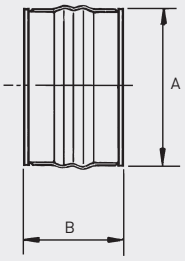



# ACOPEL F400 N

## ACOPLAMIENTOS ELÁSTICOS CIRCULARES

Desenfumage, capacitados para trabajar a 400°C/2h.

| Modelo | Ø A | B |
|---|---|---|
| ACOPEL F400-450/160 N | 458 | 160 |
| ACOPEL F400-500/160 N | 510 | 160 |
| ACOPEL F400-560/160 N | 568 | 160 |
| ACOPEL F400-630/160 N | 640 | 160 |
| ACOPEL F400-710/180 N | 721 | 180 |
| ACOPEL F400-800/180 N | 809 | 180 |
| ACOPEL F400-900/180 N | 909 | 180 |
| ACOPEL F400-1000/180 N | 1010 | 180 |



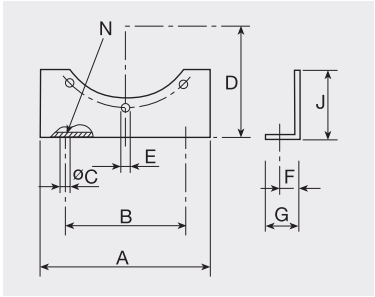


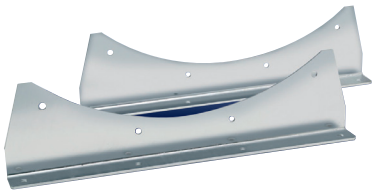
# PIE

## JUEGO DE 2 PIES SOPORTE

Para fijar ventiladores helicoidales tubulares.

| Modelo | A | B | Ø C | D | Ø E | F | G | J | N |
|---|---|---|---|---|---|---|---|---|---|
| PIE-450 | 492 | 315 | 12,5 | 315 | 12,5 | 14 | 24 | 236 | 4 |
| PIE-500 | 425 | 315 | 12,5 | 315 | 12,5 | 14 | 24 | 135 | 4 |
| PIE-560 | 475 | 355 | 12,5 | 355 | 12,5 | 17 | 30 | 155 | 4 |
| PIE-630 | 520 | 400 | 12,5 | 400 | 12,5 | 17 | 30 | 175 | 4 |
| PIE-700/710 | 560 | 480 | 12,5 | 433 | 12,5 | 22 | 45 | 135 | 4 |
| PIE-800 | 600 | 555 | 12,5 | 473 | 12,5 | 32 | 50 | 155 | 4 |

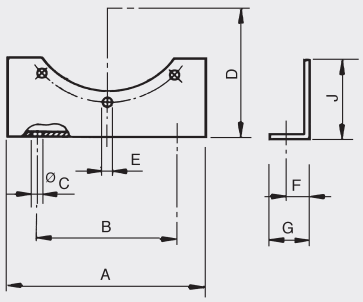


# PIE SOPORTE TGT

## JUEGO DE 2 PIES SOPORTE

Para montar en la base de los ventiladores helicoidales tubulares TGT/THGT.
Versiones para montaje horizontal y versiones para montaje vertical.




| Modelo | A | B | Ø C | D | Ø E | F | G | J | Núm. de agujeros | Peso (kg) |
|---|---|---|---|---|---|---|---|---|---|---|
| PIE SOP.TGT/THGT-900 | 950 | 800 | 15 | 540 | 15 | 30 | 60 | 300 | 6 | 9 |
| PIE SOP.TGT/THGT-1000 | 1020 | 880 | 15 | 573 | 15 | 35 | 60 | 300 | 6 | 9,1 |

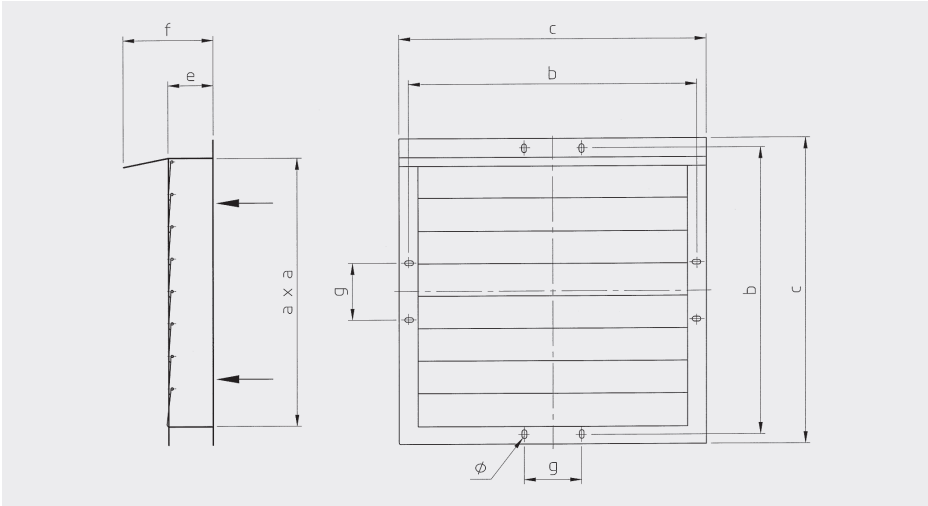
## ACCESORIOS PARA LAS SERIES EB - EF



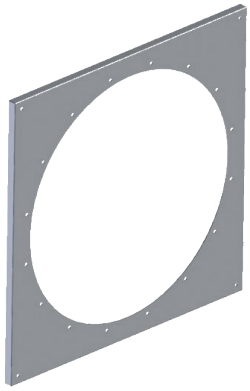
# SG

### PERSIANA SOBREPRESIÓN

Persianas utilizadas en condiciones atmosféricas adversas.



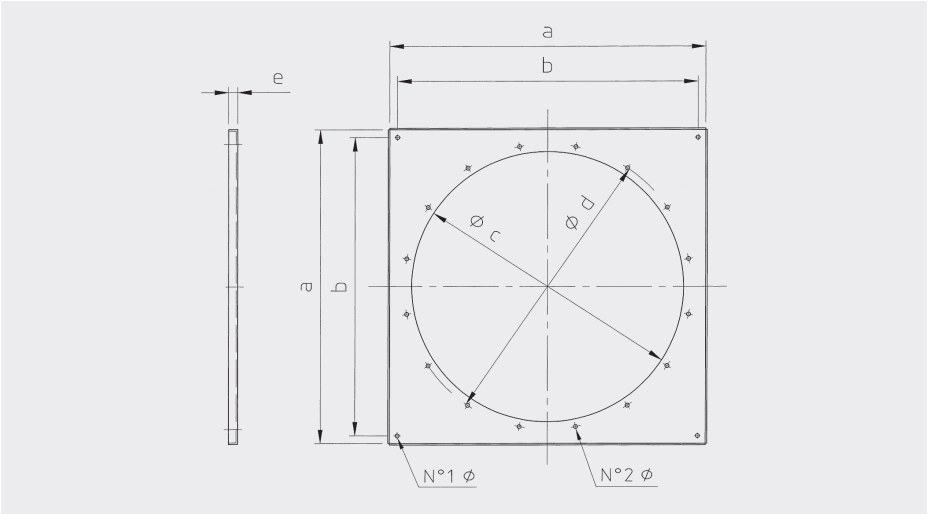

| Modelo | Dimensiones (mm) | | | | | | | Peso (kg) |
|---|---|---|---|---|---|---|---|---|
| | a | b | c | e | f | g | Ø | |
| SG 315 | 315 | 338 | 400 | 80 | 160 | 141 | 10 | 2,6 |
| SG 355 | 355 | 374 | 440 | 80 | 160 | 156 | 10 | 3,0 |
| SG 400 | 400 | 432 | 485 | 80 | 160 | 117 | 10 | 3,5 |
| SG 450 | 450 | 480 | 535 | 80 | 160 | 130 | 10 | 4,0 |
| SG 500 | 500 | 532 | 585 | 90 | 180 | 144 | 10 | 4,3 |
| SG 560 | 560 | 607 | 666 | 90 | 180 | 164 | 10 | 7,5 |
| SG 630 | 630 | 674 | 736 | 100 | 200 | 182 | 10 | 8,6 |
| SG 710 | 710 | 760 | 816 | 100 | 200 | 153 | 12 | 10,6 |
| SG 800 | 800 | 844 | 906 | 112 | 224 | 170 | 12 | 19,2 |
| SG 900 | 900 | 939 | 1006 | 125 | 250 | 188 | 12 | 21,7 |
| SG 1000 | 1000 | 1058 | 1107 | 140 | 280 | 142 | 12 | 25,5 |
| SG 1120 | 1120 | 1190 | 1246 | 160 | 315 | 160 | 12 | 36 |
| SG 1250 | 1250 | 1320 | 1380 | 180 | 355 | 178 | 12 | 46 |
| SG 1400 | 1400 | 1470 | 1540 | 200 | 400 | 149 | 12 | 56 |



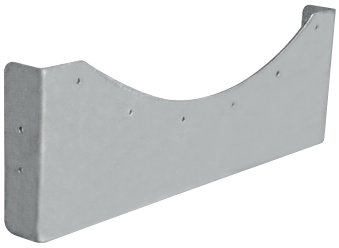
# PA

## PANEL CUADRADO

Solo para ventiladores con buje de aluminio.



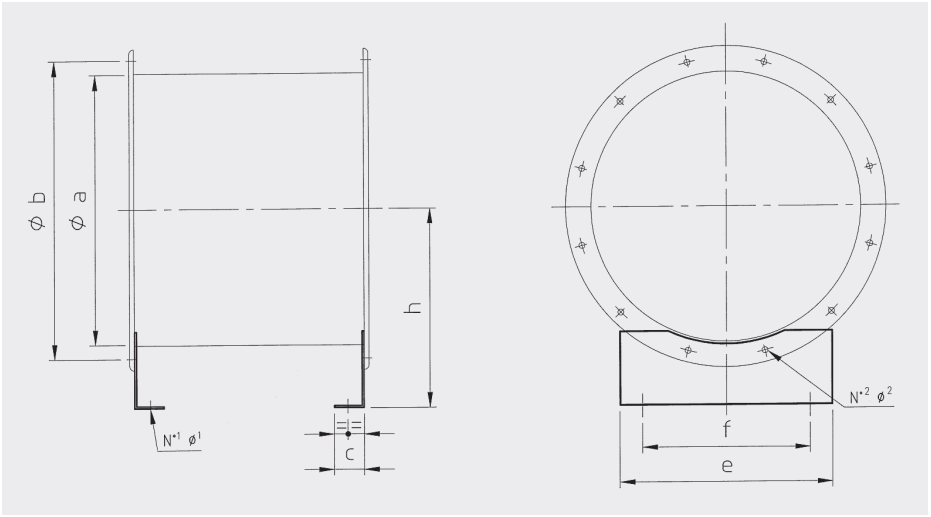

| Modelo | Dimensiones (mm) | | | | | | | | Peso (kg) |
|---|---|---|---|---|---|---|---|---|---|
| | a | b | Ø c | Ø d | e | n°1 | n°2 | Ø | |
| PA 315 | 474 | 440 | 320 | 366 | 15 | 4 | 8 | 10 | 2,0 |
| PA 355 | 474 | 440 | 360 | 405 | 15 | 4 | 8 | 10 | 1,8 |
| PA 400 | 590 | 550 | 405 | 448 | 20 | 4 | 12 | 10 | 4,0 |
| PA 450 | 590 | 550 | 455 | 497 | 20 | 4 | 12 | 10 | 3,5 |
| PA 500 | 710 | 670 | 510 | 551 | 23 | 4 | 12 | 10 | 7,0 |
| PA 560 | 710 | 670 | 570 | 629 | 23 | 4 | 12 | 10 | 6,0 |
| PA 630 | 800 | 750 | 644 | 698 | 25 | 4 | 12 | 10 | 7,5 |
| PA 710 | 900 | 850 | 720 | 775 | 28 | 4 | 16 | 12 | 11,5 |
| PA 800 | 950 | 900 | 815 | 861 | 28 | 4 | 16 | 12 | 11,0 |
| PA 900 | 1080 | 1020 | 914 | 958 | 33 | 4 | 16 | 12 | 15,0 |
| PA 1000 | 1180 | 1120 | 1015 | 1067 | 33 | 4 | 24 | 12 | 17,0 |
| PA 1120 | 1340 | 640 | 1130 | 1200 | 39 | 8 | 24 | 12 | 31,0 |
| PA 1250 | 1480 | 710 | 1260 | 1337 | 39 | 8 | 24 | 12 | 36,0 |
| PA 1400 | 1650 | 790 | 1410 | 1491 | 45 | 8 | 32 | 14 | 56,0 |



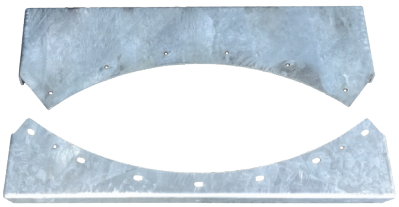
# PD

## PIE SOPORTE PARA EF

Instalados para mantener el ventilador estable, permiten la instalación de juntas antivibratorias y amortizadores.



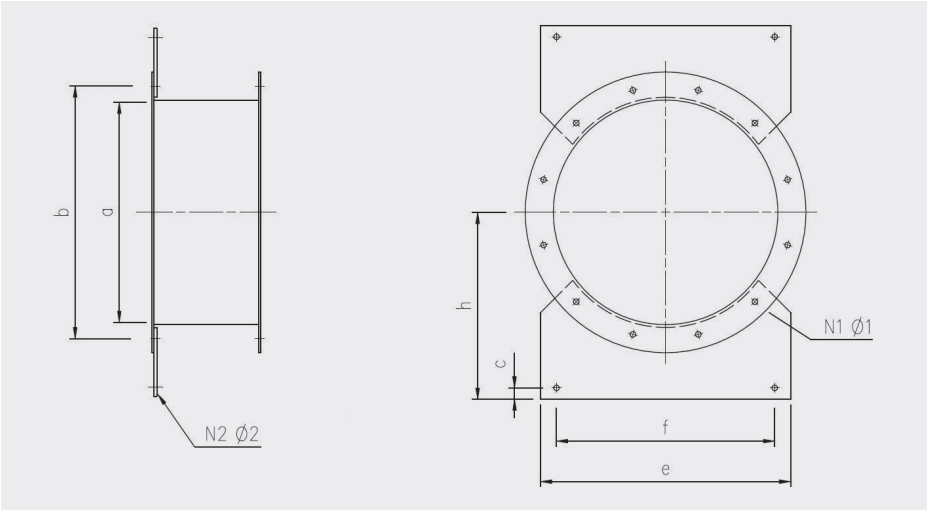

| Modelo | Dimensiones (mm) | | | | | | | | | | Peso (kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | a | b | c | e | f | h | N°2 | Ø 2 | N°1 | Ø 1 | |
| PD 315 | 315 | 366 | 50 | 250 | 200 | 236 | 2 | 8,2 | 2 | 10 | 0,8 |
| PD 355 | 355 | 405 | 50 | 280 | 225 | 265 | 2 | 8,2 | 2 | 10 | 1 |
| PD 400 | 400 | 448 | 50 | 315 | 250 | 300 | 2 | 8,2 | 2 | 10 | 1,2 |
| PD 450 | 450 | 497 | 50 | 355 | 280 | 335 | 2 | 8,2 | 2 | 10 | 1,8 |
| PD 500 | 500 | 551 | 60 | 400 | 315 | 355 | 2 | 8,2 | 2 | 10 | 2,2 |
| PD 560 | 560 | 629 | 60 | 450 | 355 | 400 | 2 | 8,2 | 2 | 10 | 2,7 |
| PD 630 | 630 | 698 | 60 | 500 | 400 | 450 | 2 | 8,2 | 2 | 10 | 4,1 |
| PD 710 | 710 | 775 | 70 | 560 | 450 | 500 | 4 | 10,2 | 2 | 12 | 5,8 |
| PD 800 | 800 | 861 | 70 | 630 | 500 | 560 | 4 | 10,2 | 2 | 12 | 7,4 |
| PD 900 | 900 | 958 | 81 | 710 | 2x280 | 600 | 4 | 10,2 | 3 | 12 | 8,6 |
| PD 1000 | 1000 | 1067 | 81 | 800 | 2x315 | 670 | 6 | 10,2 | 3 | 12 | 10,7 |
| PD 1120 | 1120 | 1200 | 90 | 900 | 2x355 | 750 | 6 | 10,2 | 3 | 12 | 15,7 |
| PD 1250 | 1250 | 1337 | 90 | 1000 | 2x400 | 850 | 6 | 10,2 | 3 | 12 | 19,6 |
| PD 1400 | 1400 | 1491 | 101 | 1122 | 2x450 | 950 | 8 | 10,2 | 3 | 14 | 34,1 |
| PD 1600 | 1600 | 1663 | 101 | 1252 | 2x500 | 1060 | 8 | 12,2 | 3 | 14 | 41,2 |
| PD 1800 | 1800 | 1856 | 111 | 1402 | 2x560 | 1180 | 8 | 12,2 | 3 | 14 | 57,9 |
| PD 2000 | 2000 | 2073 | 111 | 1602 | 2x630 | 1320 | 8 | 12,2 | 3 | 14 | 72,1 |



# PD/V

## PIE SOPORTE MONTAJE VERTICAL PARA EF

Instalados para mantener el ventilador estable, permiten la instalación de juntas antivibratorias y amortizadores.



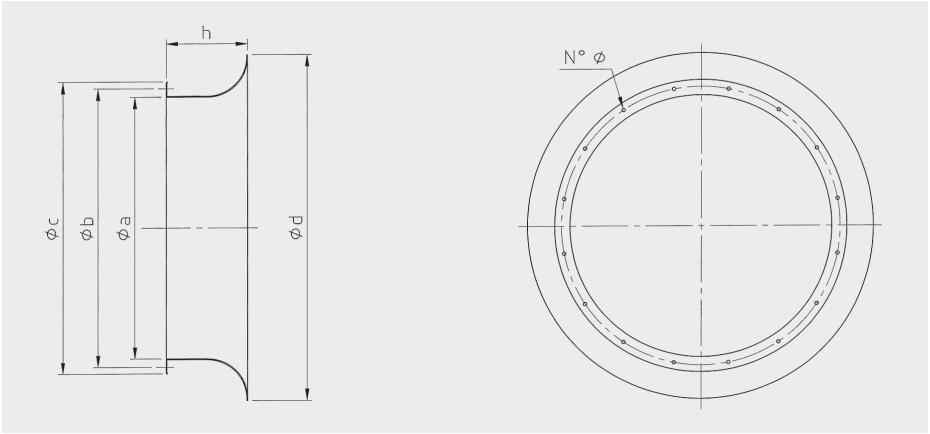

| Modelo | Dimensiones (mm) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | a | b | c | e | f | h | n°1 | Ø 1 | n°2 | Ø 2 |
| PD/V 315 | 322 | 366 | 25 | 250 | 200 | 235 | 2 | 8,5 | 2 | 10 |
| PD/V 355 | 362 | 405 | 25 | 280 | 225 | 260 | 2 | 8,5 | 2 | 10 |
| PD/V 400 | 407 | 448 | 25 | 315 | 250 | 290 | 2 | 8,5 | 2 | 10 |
| PD/V 450 | 457 | 497 | 25 | 355 | 280 | 325 | 2 | 8,5 | 2 | 10 |
| PD/V 500 | 507 | 551 | 30 | 400 | 315 | 355 | 2 | 8,5 | 2 | 10 |
| PD/V 560 | 568 | 629 | 30 | 450 | 355 | 385 | 2 | 8,5 | 2 | 10 |
| PD/V 630 | 638 | 698 | 30 | 500 | 400 | 430 | 2 | 8,5 | 2 | 10 |
| PD/V 710 | 718 | 775 | 40 | 560 | 450 | 475 | 4 | 10,5 | 2 | 12 |
| PD/V 800 | 808 | 861 | 40 | 630 | 500 | 515 | 4 | 10,5 | 2 | 12 |
| PD/V 900 | 910 | 956 | 40 | 710 | 280x2 | 575 | 4 | 10,5 | 3 | 12 |
| PD/V 1000 | 1010 | 1067 | 40 | 800 | 315x2 | 630 | 6 | 10,5 | 3 | 14 |
| PD/V 1120 | 1130 | 1200 | 50 | 900 | 355x2 | 710 | 6 | 10,5 | 3 | 14 |
| PD/V 1250 | 1260 | 1337 | 50 | 1000 | 400x2 | 800 | 6 | 10,5 | 3 | 14 |
| PD/V 1400 | 1415 | 1491 | 50 | 1120 | 450x2 | 900 | 8 | 10,5 | 3 | 14 |
| PD/V 1600 | 1615 | 1663 | 50 | 1250 | 500x2 | 1000 | 8 | 12,5 | 3 | 14 |
| PD/V 1800 | 1815 | 1856 | 60 | 1400 | 560x2 | 1120 | 8 | 12,5 | 3 | 14 |
| PD/V 2000 | 2015 | 2073 | 60 | 1600 | 630x2 | 1250 | 8 | 12,5 | 3 | 14 |



# BA

## EMBOCADURA

Se utiliza para mejorar el rendimiento del ventilador y reducir el nivel de ruido.




| Modelo | Dimensiones (mm) | | | | | | | Peso (kg) |
|---|---|---|---|---|---|---|---|---|
| | a | b | c | d | h | n° | Ø | |
| BA 315 | 315 | 366 | 400 | 464 | 160 | 8 | 10 | 4,2 |
| BA 355 | 355 | 405 | 440 | 513 | 170 | 8 | 10 | 4,7 |
| BA 400 | 400 | 448 | 485 | 567 | 180 | 12 | 10 | 5,7 |
| BA 450 | 450 | 497 | 535 | 639 | 190 | 12 | 10 | 6,8 |
| BA 500 | 500 | 551 | 585 | 700 | 200 | 12 | 10 | 8 |
| BA 560 | 560 | 629 | 666 | 785 | 212 | 12 | 10 | 9,7 |
| BA 630 | 630 | 698 | 736 | 871 | 212 | 12 | 10 | 11,2 |
| BA 710 | 710 | 775 | 816 | 968 | 224 | 16 | 12 | 16,3 |
| BA 800 | 800 | 861 | 906 | 1077 | 250 | 16 | 12 | 20 |
| BA 900 | 900 | 958 | 1006 | 1190 | 280 | 16 | 12 | 25 |
| BA 1000 | 1000 | 1067 | 1107 | 1330 | 280 | 24 | 12 | 28,5 |
| BA 1120 | 1120 | 1200 | 1246 | 1490 | 315 | 24 | 12 | 43 |
| BA 1250 | 1250 | 1337 | 1380 | 1670 | 355 | 24 | 12 | 53 |
| BA 1400 | 1400 | 1491 | 1540 | 1870 | 400 | 32 | 12 | 88 |
| BA 1600 | 1600 | 1663 | 1730 | 2090 | 450 | 32 | 14 | 110 |
| BA 1800 | 1800 | 1856 | 1930 | 2320 | 500 | 32 | 14 | 140 |
| BA 2000 | 2000 | 2073 | 2130 | 2580 | 560 | 32 | 14 | 180 |

# Accesorios acústicos



# Soluciones acústicas

Para reducir el nivel de emisión sonora de un ventilador se puede actuar tanto en la potencia sonora como en la presión sonora. En el primer caso, es necesario modificar las condiciones de funcionamiento de la máquina: por lo tanto, es necesario mejorar las características fluidodinámicas del ventilador o cambiar el punto de trabajo del mismo. Sin embargo, esas intervenciones a veces requieren mucho tiempo, son costosas o sencillamente no se pueden realizar. Actuando en cambio sobre la presión sonora, es posible intervenir de manera sencilla, ya que se trata de bloquear o por lo menos amortiguar las ondas sonoras. Las soluciones más comunes son:

1. Aislamiento acústico de la máquina (ventiladores insonorizados).
2. Silenciadores en impulsión/aspiración.
3. Cabina de insonorización.

## VENTILADORES INSONORIZADOS

El aislamiento termoacústico se realiza con materiales inertes de baja densidad como la lana de vidrio y la lana de roca, esponjas metálicas que, debido a su estructura amorfa, absorben en gran medida las ondas sonoras que se difunden desde el interior del ventilador, disipando energía en su interior. La absorción tiene lugar mediante diferentes mecanismos físicos, dependiendo del material si es de fibra o de estructura celular (espumas o esponjas metálicas). Los materiales fonoabsorbentes se pueden combinar con aislamientos acústicos, es decir, materiales de alta densidad que obstruyen el paso de las ondas sonoras reflejándolas hacia la fuente e impidiendo así su transmisión. El ruido aislado en este tipo de ventiladores es el radiado, pudiendo llegar a alcanzar los 3 dB de reducción.

## TIPOS DE AISLAMIENTOS TERMOACÚSTICOS

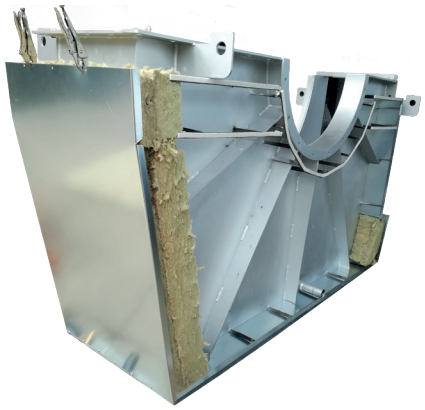
Disponemos de diferentes soluciones de ventiladores insonorizados, dependiendo el espesor del aislamiento:

**I. Ventiladores insonorizados estándar**
Construcción estanca tipo sándwich de doble voluta soldada y material termoacústico fonoabsorbente.
La voluta puede ser construida en acero al carbono o en acero inoxidable.
Espesor de 60 mm.
Dimensiones hasta 1400 mm.



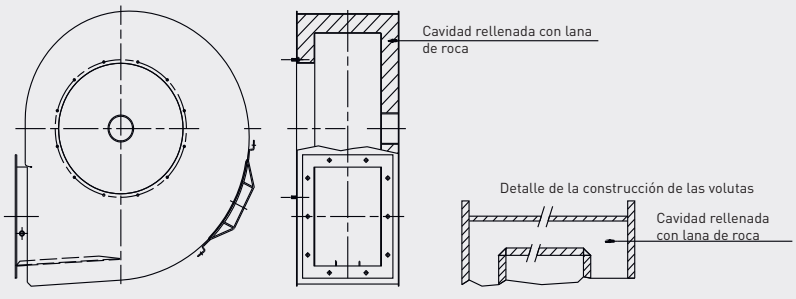
**II. Ventiladores insonorizados especiales**
Construcción tipo sándwich de doble voluta remachada y material termoacústico fonoabsorbente. La voluta externa puede ser construida en aluminio, chapa galvanizada en frío, acero al carbono o acero inoxidable.
Espesores de 100, 150 o hasta 200 mm.
Dimensiones hasta 2000 mm.





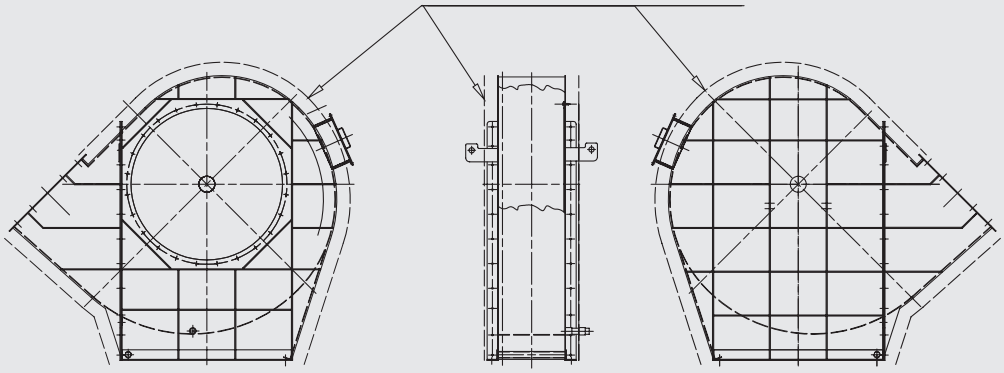
**III. Ventiladores preparados para aislamiento**
Preparación de cualquier ventilador para que pueda ser insonorizado por el cliente.

Ejemplo de carcasa insonorizada



Ejemplo de carcasa preparada para aislamiento

Linea indicativa de la altura del calorifugado



## SILENCIADORES CIRCULARES, RECTANGULARES Y CAVINAS

Los silenciadores son dispositivos para reducir el nivel de emisiones sonoras debidas al caudal de entrada y salida del ventilador.
El silenciador es eficaz en una amplia gama de frecuencias, pero causa pérdidas de carga significativas.

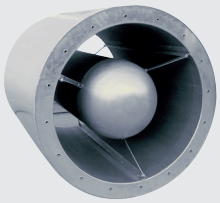
**Tipos de silenciadores**

Se utilizan tres tipos diferentes de silenciadores:

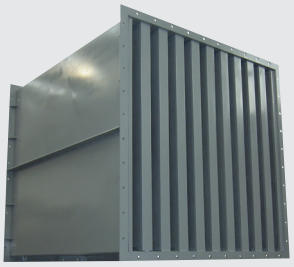
SCSO-KRTO-SIL
Silenciadores cilíndricos sin ojiva (núcleo)



SCCO
Silenciadores cilíndricos con ojiva (núcleo)



SASS
Silenciadores rectangulares con paneles perforados fonoabsorbentes



Como información general, para un ventilador que funciona con aspiración libre, el nivel de ruido puede reducirse hasta unos 3÷5 dB con silenciador de tipo SCSO y 5÷7 dB con los de tipo SCCO y SASS, dependiendo de los distintos modelos de ventilador.
Se pueden suministrar en acero al carbono pintado (estándar), inoxidable e incluso galvanizados en caliente (versión ligera).
La versión estándar, soldada en continuo puede trabajar con temperaturas hasta 300ºC. Consultar con oficina técnica en caso de necesitar silenciadores para temperaturas superiores.
La versión ligera puede alcanzar hasta 60ºC.

**Selección del silenciador adecuado**

El silenciador debe elegirse en función del caudal volumétrico que lo atraviesa, según la siguiente tabla:

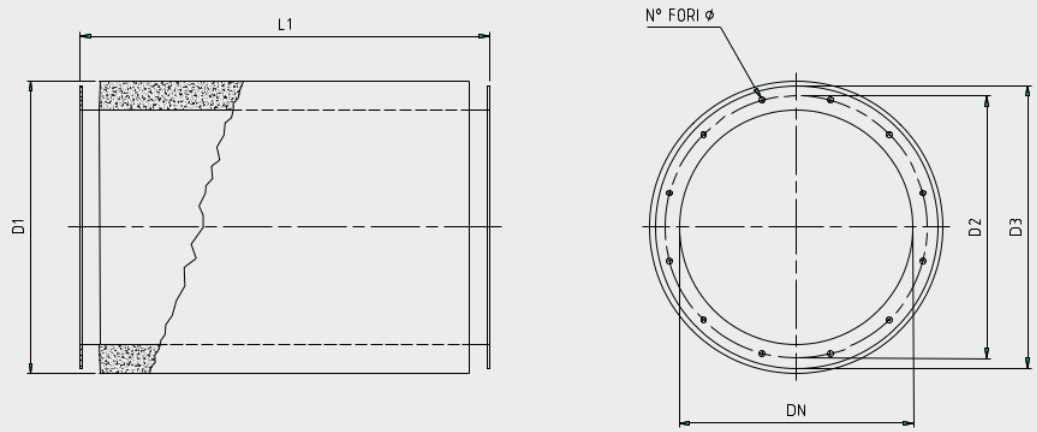
| Caudal (mc/h) | SCSO | | | SCCO | | | SASS 1(1200/1800 mm) | | | SASS 2 (1500/2000 mm) | | | SASS 3 (1800/2400 mm) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Tipo | Longitud (mm) | Pérdida de carga (Pa) | Tipo | Longitud (mm) | Pérdida de carga (Pa) | Tipo | L1/L2 (mm) | Pérdida de carga (Pa) | Tipo | Longitud (mm) | Pérdida de carga (Pa) | Tipo | Longitud (mm) | Pérdida de carga (Pa) |
| 900 | 14 | 600 | 24 | | | | | | | | | | | | |
| 1.200 | 16 | 600 | 20 | 22 | 600 | 84 | | | | | | | | | |
| 1.500 | 18 | 600 | 17 | | | | | | | | | | | | |
| 1.800 | 20 | 600 | 15 | 25 | 600 | 79 | | | | | | | | | |
| 2.000 | 22 | 600 | 13 | 28 | 600 | 76 | | | | | | | | | |
| 2.200 | | | | | | | 50.35 | L1 | 100 | | | | | | |
| 2.400 | 25 | 600 | 11 | 31 | 600 | 72 | | | | | | | | | |
| 2.800 | | | | | | | | | | | | | | | |
| 3.100 | 28 | 600 | 10 | 35 | 700 | 72 | | | | | | | | | |
| 3.500 | | | | | | | | | | | | | | | |
| 3.800 | 31 | 600 | 8 | 40 | 700 | 68 | | | | | | | | | |
| 4.500 | | | | | | | | | | | | | | | |
| 4.900 | 35 | 700 | 8 | | | | | | | | | | | | |
| 5.500 | | | | | | | | | | | | | | | |
| 5.700 | | | | | | | 50.50 | L1 | 100 | | | | | | |
| 6.800 | 40 | 700 | 7 | 45 | 850 | 70 | | | | | | | | | |
| 7.200 | | | | | | | | | | | | | | | |
| 8.500 | | | | 50 | 850 | 67 | | | | | | | | | |
| 9.200 | 45 | 850 | 7 | | | | 50.63 | L1 | 103 | | | | | | |
| 11.000 | | | | 56 | 1100 | 69 | | | | | | | | | |
| 11.300 | 50 | 850 | 6 | | | | 50.80 | L1 | 100 | | | | | | |
| 12.300 | | | | 63 | 1100 | 66 | | | | | | | | | |
| 14.200 | 56 | 1100 | 7 | | | | | | | | | | | | |
| 18.000 | 63 | 1100 | 6 | 71 | 1300 | 66 | 100.63 | L1/L2 | 80/93 | | | | | | |
| 18.400 | | | | | | | | | | | | | | | |
| 22.000 | 71 | 1300 | 6 | 80 | 1300 | 64 | | | | | | | | | |
| 22.600 | | | | | | | | | | | | | | | |
| 22.800 | | | | | | | 100.80 | L1/L2 | 81/95 | | | | | | |
| 28.200 | 80 | 1300 | 5 | 90 | 1600 | 65 | | | | | | | | | |
| 29.000 | | | | | | | | | | | | | | | |
| 29.200 | | | | | | | 100.100 | L1/L2 | 81/94 | 120.80 | L1/L2 | 87/98 | | | |
| 33.900 | 90 | 1600 | 6 | 100 | 1600 | 62 | | | | | | | | | |
| 36.200 | | | | | | | | | | | | | | | |
| 36.700 | | | | | | | 100.112 | L1/L2 | 76/87 | 120.100 | L1/L2 | 86/97 | | | |
| 36.900 | | | | | | | | | | | | | | | |
| 43.100 | 100 | 1600 | 5 | 112 | 1900 | 62 | | | | | | | | | |
| 43.400 | | | | | | | | | | | | | | | |
| 45.200 | | | | | | | 100.125 | L1/L2 | 78/90 | | | | | | |
| 47.000 | | | | | | | | | | | | | | | |
| 47.200 | 112 | 1900 | 5 | | | | | | | 120.112 | L1/L2 | 81/89 | | | |
| 51.700 | | | | 125 | 1900 | 60 | | | | | | | | | |
| 56.400 | | | | | | | | | | 120.125 | L1/L2 | 84/93 | | | |
| 56.700 | | | | | | | | | | | | | | | |
| 59.800 | | | | | | | | | | 120.140 | L1/L2 | 85/96 | | | |
| 62.400 | 125 | 1900 | 4 | | | | | | | | | | | | |
| 65.100 | | | | | | | | | | 180.100 | L1/L2 | 85/95 | | | |
| 70.700 | | | | 140 | 2100 | 59 | | | | | | | | | |
| 72.300 | | | | | | | | | | 180.112 | L1/L2 | 79/88 | 200.100 | L1/L2 | 91/103 |
| 76.200 | | | | | | | | | | | | | | | |
| 77.600 | | | | | | | | | | | | | 200.112 | L1/L2 | 84/94 |
| 84.600 | | | | | | | | | | 180.125 | L1/L2 | 82/91 | | | |
| 86.200 | | | | | | | | | | 180.140 | L1/L2 | 84/94 | | | |
| 93.700 | | | | 160 | 2100 | 57 | | | | | | | 200.125 | L1/L2 | 88/98 |
| 94.000 | | | | | | | | | | | | | | | |
| 101.300 | | | | | | | | | | 180.160 | L1/L2 | 84/93 | 200.140 | L1/L2 | 90/101 |
| 104.000 | | | | | | | | | | | | | | | |
| 108.000 | | | | | | | | | | | | | 200.160 | L1/L2 | 89/101 |
| 120.000 | | | | | | | | | | 180.180 | L1/L2 | 84/93 | | | |
| 122.300 | | | | | | | | | | | | | 200.180 | L1/L2 | 89/100 |
| 135.900 | | | | | | | | | | | | | | | |
| 151.800 | | | | | | | | | | | | | 200.200 | L1/L2 | 89/100 |

Es aconsejable, cuando el caudal volumétrico lo permita, el uso de silenciadores en la aspiración con el mismo diámetro que la sección de entrada del ventilador. En caso contrario, se disponen de reducciones tanto para la aspiración como la descarga, así como pie soporte para los silenciadores de grandes dimensiones.

| Tipo | Modelo | L1/L2 | Frecuencia (Hz) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 63 | | 125 | | 250 | | 500 | | 1000 | | 2000 | | 4000 | | 8000 | |
| SCSO | 14 | 600 | 0.6 | | 1.6 | | 4.9 | | 8.2 | | 10.0 | | 11.0 | | 12.1 | | 11.4 | |
| SCSO | 16 | 600 | 0.5 | | 1.4 | | 4.3 | | 7.2 | | 8.8 | | 9.6 | | 10.6 | | 9.9 | |
| SCSO | 18 | 600 | 0.5 | | 1.2 | | 3.8 | | 6.4 | | 7.8 | | 8.5 | | 9.4 | | 8.8 | |
| SCSO | 20 | 600 | 0.4 | | 1.1 | | 3.4 | | 5.7 | | 7,0 | | 7.7 | | 8.5 | | 8.0 | |
| SCSO | 22 | 600 | 0.4 | | 1.0 | | 3.1 | | 5.2 | | 6.4 | | 7.0 | | 7.7 | | 7.2 | |
| SCSO | 25 | 600 | 0.3 | | 0.9 | | 2.7 | | 4.6 | | 5.6 | | 6.1 | | 6.8 | | 6.4 | |
| SCSO | 28 | 600 | 0.3 | | 0.8 | | 2.5 | | 4.1 | | 5.0 | | 5.5 | | 6.1 | | 5.7 | |
| SCSO | 31 | 600 | 0.3 | | 0.7 | | 2.2 | | 3.6 | | 4.5 | | 4.9 | | 5.4 | | 5.0 | |
| SCSO | 35 | 700 | 0.3 | | 0.8 | | 2.4 | | 3.9 | | 4.8 | | 5.3 | | 5.8 | | 5.5 | |
| SCSO | 40 | 700 | 0.3 | | 0.7 | | 2.1 | | 3.4 | | 4.2 | | 4.6 | | 5.1 | | 4.8 | |
| SCSO | 45 | 850 | 0.6 | | 1.5 | | 3.6 | | 4.5 | | 5.2 | | 5.3 | | 5.7 | | 5.3 | |
| SCSO | 50 | 850 | 0.6 | | 1.4 | | 3.2 | | 4.1 | | 4.7 | | 4.8 | | 5.1 | | 4.8 | |
| SCSO | 56 | 1100 | 0.7 | | 1.7 | | 3.8 | | 4.8 | | 5.6 | | 5.7 | | 6.1 | | 5.7 | |
| SCSO | 63 | 1100 | 0.6 | | 1.5 | | 3.4 | | 4.3 | | 5.0 | | 5.0 | | 5.4 | | 5.0 | |
| SCSO | 71 | 1300 | 0.6 | | 1.6 | | 3.6 | | 4.6 | | 5.3 | | 5.4 | | 5.7 | | 5.4 | |
| SCSO | 80 | 1300 | 0.9 | | 2.1 | | 4.2 | | 4.6 | | 5.0 | | 5.0 | | 5.1 | | 4.8 | |
| SCSO | 90 | 1600 | 1.0 | | 2.3 | | 4.7 | | 5.1 | | 5.6 | | 5.6 | | 5.7 | | 5.3 | |
| SCSO | 100 | 1600 | 0.9 | | 2.1 | | 4.2 | | 4.6 | | 5.0 | | 5.0 | | 5.1 | | 4.8 | |
| SCSO | 112 | 1900 | 1.0 | | 2.2 | | 4.5 | | 4.9 | | 5.4 | | 5.4 | | 5.5 | | 5.1 | |
| SCSO | 125 | 1900 | 0.9 | | 2.0 | | 4.0 | | 4.4 | | 4.8 | | 4.8 | | 4.9 | | 4.6 | |
| SCCO | 22 | 600 | 0.8 | | 2.2 | | 6.9 | | 11.5 | | 14.0 | | 15.4 | | 15.4 | | 15.4 | |
| SCCO | 25 | 600 | 0.8 | | 2.2 | | 6.2 | | 10.4 | | 12.8 | | 14.0 | | 14.0 | | 14.0 | |
| SCCO | 28 | 600 | 0.7 | | 1.8 | | 5.7 | | 9.6 | | 11.7 | | 12.8 | | 12.8 | | 12.8 | |
| SCCO | 31 | 600 | 0.6 | | 1.6 | | 4.9 | | 8.2 | | 10.0 | | 11.0 | | 11.0 | | 11.0 | |
| SCCO | 35 | 700 | 0.7 | | 1.8 | | 5.5 | | 9.2 | | 11.2 | | 12.3 | | 12.3 | | 12.3 | |
| SCCO | 40 | 700 | 0.6 | | 1.6 | | 4.8 | | 8.1 | | 9.9 | | 10.8 | | 10.8 | | 10.8 | |
| SCCO | 45 | 850 | 1.5 | | 3.7 | | 8.6 | | 10.8 | | 12.5 | | 12.7 | | 13.6 | | 12.7 | |
| SCCO | 50 | 850 | 1.4 | | 3.4 | | 7.8 | | 9.8 | | 11.3 | | 11.5 | | 12.3 | | 11.5 | |
| SCCO | 56 | 1100 | 1.6 | | 3.9 | | 9.1 | | 11.5 | | 13.2 | | 13.5 | | 14.4 | | 13.5 | |
| SCCO | 63 | 1100 | 1.4 | | 3.5 | | 8.1 | | 10.1 | | 11.7 | | 11.9 | | 12.8 | | 11.9 | |
| SCCO | 71 | 1300 | 1.5 | | 3.7 | | 8.6 | | 10.9 | | 12.6 | | 12.8 | | 13.6 | | 12.8 | |
| SCCO | 80 | 1300 | 2.2 | | 4.9 | | 10.1 | | 111 | | 12.0 | | 12.0 | | 13.0 | | 12.0 | |
| SCCO | 90 | 1600 | 2.4 | | 5.5 | | 11.2 | | 12.3 | | 13.4 | | 13.4 | | 14.5 | | 13.4 | |
| SCCO | 100 | 1600 | 2.1 | | 4.8 | | 9.9 | | 10.8 | | 11.8 | | 11.8 | | 12.8 | | 11.8 | |
| SCCO | 112 | 1900 | 2.3 | | 5.2 | | 10.6 | | 11.6 | | 12.6 | | 12.6 | | 13.6 | | 12.6 | |
| SCCO | 125 | 1900 | 2.0 | | 4.6 | | 9.4 | | 10.2 | | 11.2 | | 11.2 | | 12.1 | | 11.2 | |
| SCCO | 140 | 2100 | 2.0 | | 4.5 | | 9.3 | | 10.1 | | 11.0 | | 11.0 | | 12.0 | | 11.0 | |
| SCCO | 160 | 2100 | 1.7 | | 3.9 | | 8.0 | | 8.5 | | 9.6 | | 9.6 | | 10.4 | | 9.6 | |
| SASS | 50.35 | 1200 | 1.8 | | 4.6 | | 12.0 | | 17.5 | | 20.8 | | 22.2 | | 22.7 | | 22.1 | |
| SASS | 50.50 | 1200 | 1.8 | | 4.6 | | 12.1 | | 17.6 | | 21.0 | | 22.3 | | 22.9 | | 22.2 | |
| SASS | 50.63 | 1200 | 1.9 | | 4.8 | | 12.7 | | 18.5 | | 22.0 | | 23.5 | | 24.0 | | 23.3 | |
| SASS | 50.80 | 1200 | 1.8 | | 4.5 | | 11.8 | | 17.3 | | 20.6 | | 21.9 | | 22.5 | | 21.8 | |
| SASS | 100.63 | 1200/1800 | 1.2 | 1.8 | 3.0 | 4.6 | 8.0 | 11.9 | 11.6 | 17.4 | 13.8 | 20.7 | 14.7 | 22.1 | 15.1 | 22.6 | 14.6 | 21.9 |
| SASS | 100.80 | 1200/1800 | 1.2 | 1.9 | 3.2 | 4.7 | 8.3 | 12.4 | 12.1 | 18.1 | 14.4 | 21.6 | 15.3 | 23.0 | 15.7 | 23.5 | 15.2 | 22.8 |
| SASS | 100.100 | 1200/1800 | 1.2 | 1.8 | 3.1 | 4.6 | 8.1 | 12.1 | 11.8 | 17.7 | 14.0 | 21.0 | 14.9 | 22.4 | 15.3 | 23.0 | 14.8 | 22.3 |
| SASS | 100.112 | 1200/1800 | 1.0 | 1.5 | 2.6 | 3.9 | 6.8 | 10.2 | 9.9 | 14.8 | 11.8 | 17.7 | 12.5 | 18.8 | 12.8 | 19.3 | 12.5 | 18.7 |
| SASS | 100.125 | 1200/1800 | 1.1 | 1.7 | 2.8 | 4.3 | 7.5 | 11.2 | 10.9 | 16.3 | 12.9 | 19.4 | 13.8 | 20.7 | 14.1 | 21.2 | 13.7 | 20.6 |
| SASS | 120.80 | 1500/2000 | 1.5 | 2.1 | 3.9 | 5.3 | 10.3 | 13.8 | 15.1 | 20.1 | 18.0 | 24.0 | 19.1 | 25.5 | 19.6 | 26.1 | 19.0 | 25.4 |
| SASS | 120.100 | 1500/2000 | 1.5 | 2.0 | 3.8 | 5.1 | 10.1 | 13.5 | 14.7 | 19.6 | 17.5 | 23.4 | 18.7 | 24.9 | 19.1 | 25.5 | 18.5 | 24.7 |
| SASS | 120.112 | 1500/2000 | 1.3 | 1.7 | 3.2 | 4.3 | 8.5 | 11.3 | 12.4 | 16.5 | 14.7 | 19.6 | 15.7 | 20.9 | 16.1 | 21.4 | 15.6 | 20.8 |
| SASS | 120.125 | 1500/2000 | 1.4 | 1.9 | 3.6 | 4.7 | 9.3 | 12.4 | 13.6 | 18.1 | 16.2 | 21.6 | 17.2 | 23.0 | 17.7 | 23.6 | 17.1 | 22.8 |
| SASS | 120.140 | 1500/2000 | 1.5 | 2.0 | 3.7 | 5.0 | 9.8 | 13.1 | 14.3 | 19.1 | 17.0 | 22.7 | 18.2 | 24.2 | 18.6 | 24.8 | 18.0 | 24.0 |
| SASS | 180.100 | 1500/2000 | 1.5 | 2.0 | 3.8 | 5.1 | 10.1 | 13.5 | 14.7 | 19.6 | 17.5 | 23.4 | 18.7 | 24.9 | 19.1 | 25.5 | 18.5 | 24.7 |
| SASS | 180.112 | 1500/2000 | 1.3 | 1.7 | 3.2 | 4.3 | 8.5 | 11.3 | 12.4 | 16.5 | 14.7 | 19.6 | 15.7 | 20.9 | 16.1 | 21.4 | 15.6 | 20.8 |
| SASS | 180.125 | 1500/2000 | 1.4 | 1.9 | 3.6 | 4.7 | 9.3 | 12.4 | 13.6 | 18.1 | 16.2 | 21.6 | 17.2 | 23.0 | 17.7 | 23.6 | 17.1 | 22.8 |
| SASS | 180.140 | 1500/2000 | 1.5 | 2.0 | 3.7 | 5.0 | 9.8 | 13.1 | 14.3 | 19.1 | 17.0 | 22.7 | 18.2 | 24.2 | 18.6 | 24.8 | 18.0 | 24.0 |
| SASS | 180.160 | 1500/2000 | 1.5 | 1.9 | 3.7 | 4.9 | 9.7 | 13.0 | 14.2 | 18.9 | 16.9 | 22.5 | 18.0 | 24.0 | 18.4 | 24.6 | 17.9 | 23.8 |
| SASS | 180.180 | 1500/2000 | 1.4 | 1.9 | 3.7 | 4.9 | 9.7 | 12.9 | 14.1 | 18.8 | 16.8 | 22.4 | 17.9 | 23.9 | 18.3 | 24.4 | 17.8 | 23.7 |
| SASS | 200.100 | 1800/2400 | 1.8 | 2.4 | 4.6 | 6.2 | 12.1 | 16.2 | 17.7 | 23.6 | 21.0 | 28.0 | 22.4 | 29.9 | 23.0 | 30.3 | 22.3 | 29.7 |
| SASS | 200.112 | 1800/2400 | 1.5 | 2.0 | 3.9 | 5.2 | 10.2 | 13.6 | 14.8 | 19.8 | 17.7 | 23.5 | 18.8 | 25.1 | 19.3 | 25.7 | 18.7 | 24.9 |
| SASS | 200.125 | 1800/2400 | 1.7 | 2.2 | 4.3 | 5.7 | 11.2 | 14.9 | 16.3 | 21.8 | 19.4 | 25.9 | 20.7 | 27.6 | 21.2 | 28.3 | 20.6 | 27.4 |
| SASS | 200.140 | 1800/2400 | 1.8 | 2.3 | 4.5 | 6.0 | 11.8 | 15.7 | 17.2 | 22.9 | 20.4 | 27.3 | 21.8 | 29.1 | 22.3 | 29.8 | 21.6 | 28.9 |
| SASS | 200.160 | 1800/2400 | 1.7 | 2.3 | 4.4 | 5.9 | 11.7 | 15.6 | 17.1 | 22.7 | 20.3 | 27.0 | 21.6 | 28.8 | 22.1 | 29.5 | 21.5 | 28.6 |
| SASS | 200.180 | 1800/2400 | 1.7 | 2.3 | 4.4 | 5.9 | 11.6 | 15.5 | 16.9 | 22.6 | 20.1 | 26.9 | 21.5 | 28.6 | 22.0 | 29.3 | 21.3 | 28.4 |
| SASS | 200.200 | 1800/2400 | 1.7 | 2.3 | 4.4 | 5.9 | 11.5 | 15.4 | 16.9 | 22.5 | 20.0 | 26.7 | 21.4 | 28.5 | 21.9 | 29.2 | 21.2 | 28.3 |

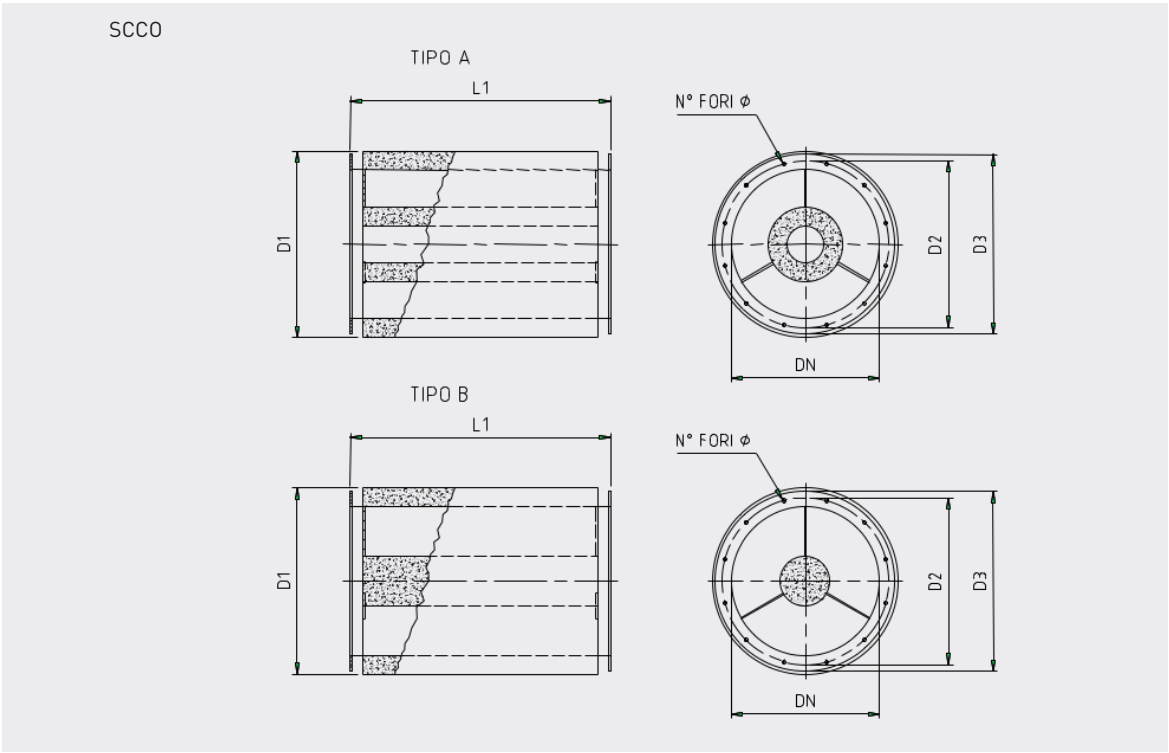
Atenuación sonora en dB por frecuencias

SCSO



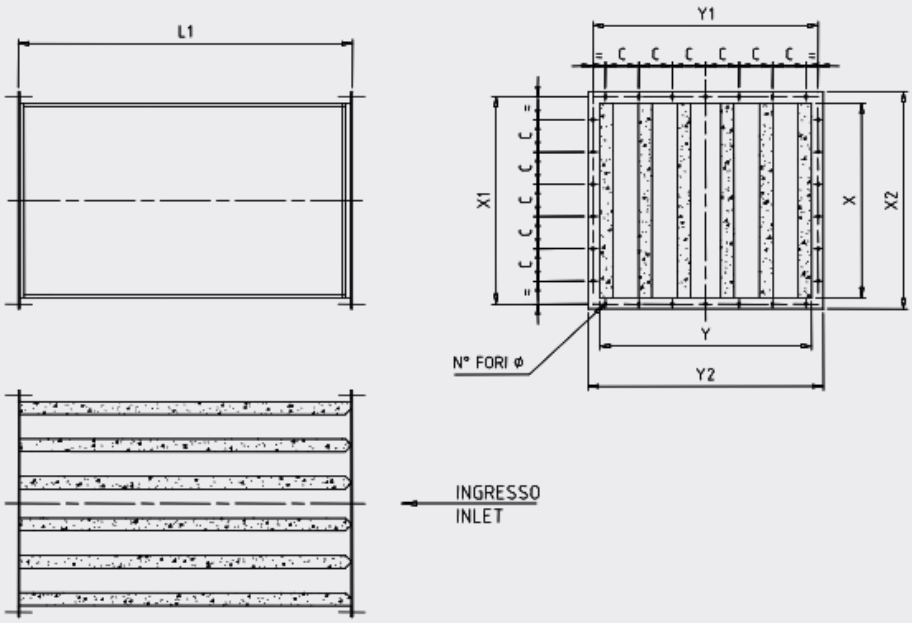

| Modelo | Dn | D1 | D2 | D3 | N° | Ø | L1 |
|---|---|---|---|---|---|---|---|
| 14 | 140 | 240 | 182 | 213 | 8 | 8 | 600 |
| 16 | 160 | 260 | 200 | 233 | 8 | 8 | 600 |
| 18 | 180 | 280 | 219 | 253 | 8 | 8 | 600 |
| 20 | 200 | 300 | 241 | 273 | 8 | 8 | 600 |
| 22 | 225 | 325 | 265 | 298 | 8 | 8 | 600 |
| 25 | 250 | 350 | 292 | 323 | 8 | 10 | 600 |
| 28 | 280 | 380 | 332 | 363 | 8 | 10 | 600 |
| 31 | 315 | 415 | 366 | 398 | 8 | 10 | 600 |
| 35 | 355 | 455 | 405 | 438 | 8 | 10 | 700 |
| 40 | 400 | 500 | 448 | 483 | 12 | 10 | 700 |
| 45 | 450 | 560 | 497 | 533 | 12 | 10 | 850 |
| 50 | 500 | 650 | 551 | 583 | 12 | 10 | 850 |
| 56 | 560 | 710 | 629 | 663 | 12 | 10 | 1100 |
| 63 | 630 | 780 | 698 | 733 | 12 | 10 | 1100 |
| 71 | 710 | 860 | 775 | 813 | 16 | 12 | 1300 |
| 80 | 800 | 1000 | 861 | 903 | 16 | 12 | 1300 |
| 90 | 900 | 1100 | 958 | 1003 | 16 | 12 | 1600 |
| 100 | 1000 | 1200 | 1067 | 1103 | 24 | 12 | 1600 |
| 112 | 1120 | 1320 | 1200 | 1243 | 24 | 12 | 1900 |
| 125 | 1250 | 1450 | 1337 | 1373 | 24 | 12 | 1900 |

SCCO

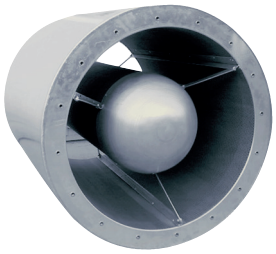



| Modelo | Tipo | DN | D1 | D2 | D3 | N° | Ø | L1 |
|---|---|---|---|---|---|---|---|---|
| 22 | B | 225 | 325 | 265 | 298 | 8 | 8 | 600 |
| 25 | B | 250 | 350 | 292 | 323 | 8 | 10 | 600 |
| 28 | B | 280 | 380 | 332 | 363 | 8 | 10 | 600 |
| 31 | B | 315 | 415 | 366 | 398 | 8 | 10 | 600 |
| 35 | B | 355 | 455 | 405 | 438 | 8 | 10 | 700 |
| 40 | B | 400 | 500 | 448 | 483 | 12 | 10 | 700 |
| 45 | A | 450 | 550 | 497 | 533 | 12 | 10 | 850 |
| 50 | A | 500 | 650 | 551 | 583 | 12 | 10 | 850 |
| 56 | A | 560 | 710 | 629 | 663 | 12 | 10 | 1100 |
| 63 | A | 630 | 780 | 698 | 733 | 12 | 10 | 1100 |
| 71 | A | 710 | 860 | 775 | 813 | 16 | 12 | 1300 |
| 80 | A | 800 | 1000 | 861 | 903 | 16 | 12 | 1300 |
| 90 | A | 900 | 1100 | 958 | 1003 | 16 | 12 | 1600 |
| 100 | A | 1000 | 1200 | 1067 | 1103 | 24 | 12 | 1600 |
| 112 | A | 1120 | 1320 | 1200 | 1243 | 24 | 12 | 1900 |
| 125 | A | 1250 | 1450 | 1337 | 1373 | 24 | 12 | 1900 |
| 140 | A | 1400 | 1600 | 1491 | 1543 | 32 | 12 | 2100 |
| 160 | A | 1600 | 1800 | 1663 | 1723 | 32 | 14 | 2100 |

SASS




| Modelo | X | Y | X1 | Y1 | X2 | Y2 | C | N° | Ø | L1 | L2 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 50.35 | 507 | 361 | 551 | 405 | 587 | 441 | 125 | 8+6 | 12 | 1200 | N.A |
| 50.50 | 507 | 507 | 551 | 551 | 587 | 587 | 125 | 8+8 | 12 | 1200 | N.A |
| 50.63 | 507 | 638 | 551 | 682 | 587 | 718 | 125 | 8+8 | 12 | 1200 | N.A |
| 50.80 | 507 | 801 | 551 | 845 | 587 | 881 | 125 | 8+8 | 12 | 1200 | N.A. |
| 100.63 | 1007 | 638 | 1077 | 708 | 1127 | 758 | 200 | 10+8 | 14 | 1200 | 1800 |
| 100.80 | 1007 | 801 | 1077 | 871 | 1127 | 921 | 200 | 10+8 | 14 | 1200 | 1800 |
| 100.100 | 1007 | 1007 | 1077 | 1077 | 1127 | 1127 | 200 | 10+10 | 14 | 1200 | 1800 |
| 100.112 | 1007 | 1130 | 1077 | 1200 | 1127 | 1250 | 200 | 10+10 | 14 | 1200 | 1800 |
| 100.125 | 1007 | 1267 | 1077 | 1337 | 1127 | 1387 | 200 | 10+12 | 14 | 1200 | 1800 |
| 120.80 | 1207 | 801 | 1287 | 881 | 1347 | 941 | 200 | 12+8 | 18 | 1500 | 2000 |
| 120.100 | 1207 | 1007 | 1287 | 1087 | 1347 | 1147 | 200 | 12+10 | 18 | 1500 | 2000 |
| 120.112 | 1207 | 1130 | 1287 | 1210 | 1347 | 1270 | 200 | 12+10 | 18 | 1500 | 2000 |
| 120.125 | 1207 | 1267 | 1287 | 1347 | 1347 | 1407 | 200 | 12+12 | 18 | 1500 | 2000 |
| 120.140 | 1207 | 1421 | 1287 | 1501 | 1347 | 1561 | 200 | 12+14 | 18 | 1500 | 2000 |
| 180.100 | 1786 | 1007 | 1876 | 1097 | 1980 | 1167 | 200 | 18+10 | 22 | 1500 | 2000 |
| 180.112 | 1786 | 1130 | 1876 | 1220 | 1980 | 1290 | 200 | 18+10 | 22 | 1500 | 2000 |
| 180.125 | 1786 | 1267 | 1876 | 1357 | 1980 | 1427 | 200 | 18+12 | 22 | 1500 | 2000 |
| 180.140 | 1786 | 1421 | 1876 | 1511 | 1980 | 1581 | 200 | 18+14 | 22 | 1500 | 2000 |
| 180.160 | 1786 | 1593 | 1876 | 1683 | 1980 | 1753 | 200 | 18+16 | 22 | 1500 | 2000 |
| 180.180 | 1786 | 1786 | 1876 | 1876 | 2163 | 1960 | 200 | 18+18 | 22 | 1500 | 2000 |
| 200.100 | 2003 | 1007 | 2093 | 1097 | 2163 | 1167 | 200 | 20+10 | 22 | 1800 | 2400 |
| 200.112 | 2003 | 1130 | 2093 | 1220 | 2163 | 1290 | 200 | 20+10 | 22 | 1800 | 2400 |
| 200.125 | 2003 | 1267 | 2093 | 1357 | 2163 | 1427 | 200 | 20+12 | 22 | 1800 | 2400 |
| 200.140 | 2003 | 1421 | 2093 | 1511 | 2163 | 1581 | 200 | 20+14 | 22 | 1800 | 2400 |
| 200.160 | 2003 | 1593 | 2093 | 1683 | 2163 | 1753 | 200 | 20+16 | 22 | 1800 | 2400 |
| 200.180 | 2003 | 1786 | 2093 | 1876 | 2163 | 1960 | 200 | 20+18 | 22 | 1800 | 2400 |
| 200.200 | 2003 | 2003 | 2093 | 2093 | 2163 | 2163 | 200 | 20+20 | 22 | 1800 | 2400 |



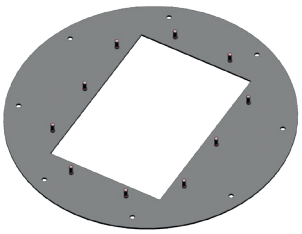


## KRTO / SIL

Silenciadores aspiración/descarga

| Modelo | Caudal ($m^3/h$) | Longitud (mm) | Pérdidas de carga (Pa) |
|---|---|---|---|
| KRTO 140 | 900 | 600 | 24 |
| KRTO 160 | 1.200 | 600 | 20 |
| KRTO 180 | 1.500 | 600 | 17 |
| KRTO 200 | 1.800 | 600 | 15 |
| KRTO 220 | 2.000 | 600 | 13 |
| | 2.200 | | |
| KRTO 250 | 2.400 | 600 | 11 |
| | 2.800 | | |
| KRTO 280 | 3.100 | 600 | 10 |
| | 3.500 | | |
| KRTO 310 | 3.800 | 600 | 8 |
| | 4.500 | | |
| KRTO 350 | 4.900 | 700 | 8 |
| | 5.500 | | |
| KRTO 400 | 5.700 | 700 | 7 |
| | 6.800 | | |
| | 7.200 | | |
| KRTO 450 | 8.500 | 850 | 7 |
| | 9.200 | | |
| | 11.000 | | |
| KRTO 500 | 11.300 | 850 | 6 |
| | 12.300 | | |
| KRTO 560 | 14.200 | 1100 | 7 |
| KRTO 630 | 18.000 | 1100 | 6 |

| Modelo | Caudal ($m^3/h$) | Longitud (mm) | Pérdidas de carga (Pa) |
|---|---|---|---|
| KRTO 710 | 18.400 | 1300 | 6 |
| | 22.000 | | |
| | 22.600 | | |
| | 22.800 | | |
| KRTO 800 | 28.200 | 1300 | 5 |
| | 29.000 | | |
| KRTO 900 | 29.200 | 1600 | 6 |
| | 33.900 | | |
| | 36.200 | | |
| | 36.700 | | |
| KRTO 1000 | 36.900 | 1600 | 5 |
| | 43.100 | | |
| | 43.400 | | |
| | 45.200 | | |
| KRTO 1120 | 47.000 | 1900 | 5 |
| | 47.200 | | |
| | 51.700 | | |
| | 56.400 | | |
| KRTO 1250 | 56.700 | 1900 | 4 |
| | 59.800 | | |
| | 62.400 | | |
| | 65.100 | | |
| | 70.700 | | |



## BDS

Brida descarga silenciador

## CABINAS DE INSONORIZACIÓN

Estructura cerrada, con paredes cubiertas de materiales fonoabsorbentes y/o aislantes de sonido en la que se contiene el ventilador. La reducción del ruido de una cabina, en términos de potencia acústica, puede considerarse entre 15 y 30 dB, siempre que las entradas de ventilación estén adecuadamente protegidas. Las cabinas de insonorización se pueden realizar para el confinamiento tanto de ventiladores de acoplamiento directo, como de ventiladores de acoplamiento a transmisión.



### Selección cabina insonorizada

| Serie ventilador | Mod. cabina |
|---|---|
| FR 251/2 N4A 0,55 | CI-L1 |
| FR 281/2 N4A 1,1 | CI-L1 |
| FR 311/2 N4A 2,2 | CI-L1 |
| FR 351/2 N4A 3 | CI-L1 |
| FR 401/2 N4A 5,5 | CI-L2 |
| FR 451/2 N4A 11 | CI-L2 |
| FR 502/2 N4A 15 | CI-L2 |
| FR 561/4 N4A 4 | CI-L2 |
| FR 632/4 N4A 5,5 | CI-L2 |
| FR 712/4 N4A 11 | CI-L3 |
| FR 802/4 N4A 18,5 | CI-L3 |
| FR 902/4 N4A 37 | CI-L4 |
| FR 1002/4 N4A 55 | CI-L4 |
| FR 1122/6 N4A 30 | CI-L5 |
| FR 1252/6 N4A 55 | CI-L5 |
| FR 1402/6 N4A 90 | CI-L6 |
| FC 501/2 N4A 1,1 | CI-L1 |
| FC 561/2 N4A 2,2 | CI-L2 |
| FC 631/2 N4A 4 | CI-L2 |
| FC 711/2 N4A 7,5 | CI-L2 |
| FC 801/2 N4A 11 | CI-L3 |
| FC 901/2 N4A 18,5 | CI-L3 |
| FC 1001/2 N4A 30 | CI-L4 |
| FC 1121/2 N4A 75 | CI-L4 |
| ART 401/2 N4A 3 | CI-L1 |
| ART 451/2 N4A 5,5 | CI-L2 |
| ART 501/2 N4A 11 | CI-L2 |
| ART 561/2 N4A 15 | CI-L2 |
| ART 631/2 N4A 30 | CI-L2 |

| Serie ventilador | Mod. cabina |
|---|---|
| ART 711/2 N4A 45 | CI-L3 |
| ART 801/2 N4A 90 | CI-L3 |
| ART 901/2 N4A 160 | CI-L4 |
| ART 1001/4 N4A 37 | CI-L4 |
| ART 1121/4 N4A 55 | CI-L5 |
| ART 1251/4 N4A 110 | CI-L5 |
| ART 1401/4 N4A 185 | CI-L6 |
| MEC 221/2 N4A 0,18 | CI-L1 |
| MEC 251/2 N4A 0,37 | CI-L1 |
| MEC 281/2 N4A 0,75 | CI-L1 |
| MEC 311/2 N4A 1,5 | CI-L1 |
| MEC 351/2 N4A 2,2 | CI-L1 |
| MEC 401/2 N4A 4 | CI-L1 |
| MEC 451/2 N4A 7,5 | CI-L2 |
| MEC 501/2 N4A 15 | CI-L2 |
| MEC 561/2 N4A 22 | CI-L2 |
| MEC 631/4 N4A 5,5 | CI-L2 |
| MEC 711/4 N4A 11 | CI-L2 |
| MEC 801/4 N4A 18,5 | CI-L3 |
| MEC 901/4 N4A 37 | CI-L4 |
| MEC 1001/4 N4A 55 | CI-L4 |
| MEC 1121/4 N4A 90 | CI-L5 |
| MEC 1251/6 N4A 45 | CI-L5 |
| MEC 1401/6 N4A 75 | CI-L6 |
| FE 501/2 N4A 2,2 | CI-L1 |
| FE 561/2 N4A 4 | CI-L2 |
| FE 631/2 N4A 7,5 | CI-L2 |
| FE 711/2 N4A 15 | CI-L2 |
| FE 801/2 N4A 22 | CI-L2 |

| Serie ventilador | Mod. cabina |
|---|---|
| FE 901/2 N4A 37 | CI-L3 |
| FE 1001/2 N4A 75 | CI-L4 |
| FE 1121/2 N4A 110 | CI-L4 |
| VCM 351/2 N4A 1,1 | CI-L1 |
| VCM 401/2 N4A 2,2 | CI-L1 |
| VCM 451/2 N4A 4 | CI-L1 |
| VCM 501/2 N4A 5,5 | CI-L1 |
| VCM 561/2 N4A 11 | CI-L2 |
| VCM 631/2 N4A 18,5 | CI-L2 |
| VCM 711/2 N4A 30 | CI-L2 |
| VCM 801/2 N4A 55 | CI-L3 |
| VCM 901/2 N4A 90 | CI-L3 |
| VCM 1001/2 N4A 160 | CI-L4 |
| FI 401/2 N4A 2,2 | CI-L1 |
| FI 451/2 N4A 4 | CI-L1 |
| FI 501/2 N4A 7,5 | CI-L1 |
| FI 561/2 N4A 11 | CI-L2 |
| FI 631/2 N4A 18,5 | CI-L2 |
| FI 711/2 N4A 37 | CI-L2 |
| FI 801/2 N4A 75 | CI-L3 |
| FI 901/2 N4A 110 | CI-L3 |
| FI 1001/2 N4A 200 | CI-L4 |
| FQ 251/2 N4A 0,37 | CI-L1 |
| FQ 281/2 N4A 0,55 | CI-L1 |
| FQ 311/2 N4A 1,1 | CI-L1 |
| FQ 351/2 N4A 2,2 | CI-L1 |
| FQ 401/2 N4A 4 | CI-L1 |
| FQ 451/2 N4A 7,5 | CI-L2 |
| FQ 501/2 N4A 11 | CI-L2 |

| Serie ventilador | Mod. cabina |
|---|---|
| FQ 562/2 N4A 15 | CI-L2 |
| FQ 631/2 N4A 37 | CI-L3 |
| FQ 712/4 N4A 5,5 | CI-L3 |
| FQ 801/4 N4A 15 | CI-L3 |
| FQ 901/4 N4A 30 | CI-L4 |
| FQ 1001/4 N4A 45 | CI-L4 |
| FQ 1121/4 N4A 75 | CI-L5 |
| FQ 1251/4 N4A 132 | CI-L5 |
| FQ 1401/6 N4A 75 | CI-L6 |
| FG 451/2 N4A 2,2 | CI-L1 |
| FG 501/2 N4A 5,5 | CI-L1 |
| FG 561/2 N4A 7,5 | CI-L2 |
| FG 631/2 N4A 15 | CI-L2 |
| FG 711/2 N4A 30 | CI-L2 |
| FG 801/2 N4A 45 | CI-L3 |
| FG 901/2 N4A 90 | CI-L3 |
| FG 1001/2 N4A 132 | CI-L4 |
| FP 351/2 N4A 2,2 | CI-L1 |
| FP 401/2 N4A 4 | CI-L1 |
| FP 451/2 N4A 7,5 | CI-L2 |
| FP 501/2 N4A 11 | CI-L2 |
| FP 561/2 N4A 18,5 | CI-L2 |
| FP 631/2 N4A 37 | CI-L3 |
| FP 711/2 N4A 75 | CI-L3 |
| FP 801/2 N4A 110 | CI-L3 |

## SILENT KIT



**Gamas disponibles**

ART SILENT
VCM SILENT
FC-N SILENT
FE-N SILENT
FI-N SILENT

Conjunto compuesto del ventilador + caja de insonorización + accesorios.

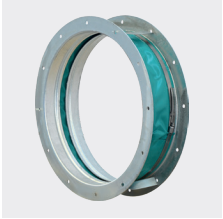
## CAJA DE INSONORIZACIÓN

- Paneles acústicos tipo sándwich compuestos de chapa de acero lisa galvanizada de 1,2 mm. (cara exterior), elementos aislantes y absorbentes + chapa perforada galvanizada de 0,8 mm (interior). Aspiración y descarga insonorizadas.
- Estructura de soporte realizada en tubo estructural de acero.
- Silentblocks, acoplamientos elásticos en aspiración y descarga (interior).
- Aspiración y descarga con tuercas nurse embutidas en la cabina, facilitando la conexión de los conductos de aspiración y/o descarga.
- Paneles intercambiables, desmontables y accesibles.
- Posiciones de montaje LG/RD: 270, 0 y 90.
- Reducción: 15 dB(A).

**Bajo pedido**

- Fabricación en inoxidable AISI-304 o 316.
- Preparación para intemperie.
- Caja pintada.

## ACCESORIOS



**GA/3**
Junta flexible aspiración.



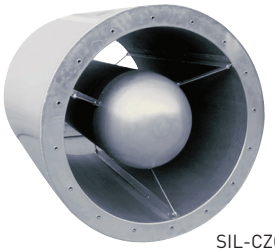
**AM**
Amortiguadores.



**GP/3**
Junta flexible descarga.



SIL-CZ



SIL-CZO

# SIL-CZ / SIL-CZO

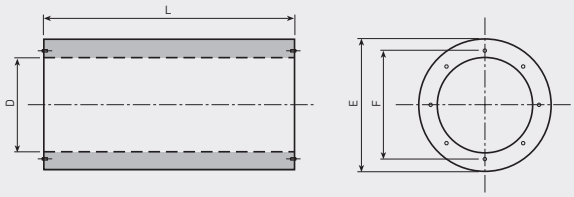
## ATENUADORES ACÚSTICOS

**SIL-CZ**
Atenuadores acusticos para reducir el ruido transmitido.
Fabricados en chapa galvanizada Z200, de 0,8 mm de espesor y brida de montaje con tuercas insertadas. Material fonoabsorbante en lana de roca de 70 kg/m$^3$ de densidad, con velo de protección contra el arrastre de partículas, y resistencia al fuego clase M0.
Bajo pedido, modelos en acero inoxidable.

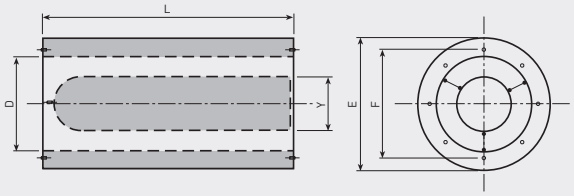
**SIL-CZO**
Atenuadores acústicos SIL-CZ en ejecución con bulbo interno para aumentar la atenuación del silenciador.

Bajo pedido, modelos en acero inoxidable.

SIL-CZ




SIL-CZO




| Ø nominal (mm) | ØD (mm) | ØE (mm) | ØF (mm) | Agujeros | | ØY (mm) | L | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | nº | Tipo | | ØDx1 | ØDx1,5 | ØDx2 |
| 400 | 400 | 540 | 450 | 8 | M10 | 200 | 400 | 600 | 800 |
| 450 | 450 | 610 | 500 | 8 | M10 | 250 | 450 | 675 | 900 |
| 500 | 500 | 660 | 560 | 12 | M10 | 250 | 500 | 750 | 1000 |
| 560 | 560 | 720 | 620 | 12 | M10 | 300 | 560 | 840 | 1120 |
| 630 | 630 | 790 | 690 | 12 | M10 | 300 | 630 | 945 | 1260 |
| 710 | 710 | 870 | 770 | 16 | M10 | 380 | 710 | 1065 | 1420 |
| 800 | 800 | 1000 | 860 | 16 | M10 | 380 | 800 | 1200 | 1600 |
| 900 | 900 | 1100 | 970 | 16 | M12 | 380 | 900 | 1350 | 1800 |
| 1000 | 1000 | 1200 | 1070 | 16 | M12 | 650 | 1000 | 1500 | 2000 |
| 1120 | 1120 | 1320 | 1190 | 20 | M12 | 650 | 1120 | 1680 | 2240 |
| 1250 | 1250 | 1450 | 1320 | 20 | M12 | 650 | 1250 | 1875 | 2500 |
| 1400 | 1400 | 1600 | 1470 | 20 | M12 | 650 | 1400 | 2100 | 2800 |
| 1600 | 1600 | 1800 | 1680 | 24 | M12 | 650 | 1600 | 2400 | 3200 |

## Silenciadores SIL-CZ y SIL-CZO - Pesos en kg

SIL-CZ

| Ø del silenciador | Longitud de los silenciadores | | |
|---|---|---|---|
| | ØDx1 | ØDx1,5 | ØDx2 |
| 400 | 16 | 23 | 29 |
| 450 | 20 | 26 | 34 |
| 500 | 23 | 31 | 40 |
| 560 | 26 | 36 | 47 |
| 630 | 32 | 46 | 60 |
| 710 | 42 | 58 | 75 |
| 800 | 50 | 70 | 90 |
| 900 | 80 | 101 | 122 |
| 1000 | 115 | 137 | 160 |
| 1120 | 134 | 160 | 186 |
| 1250 | 159 | 191 | 223 |
| 1400 | 218 | 270 | 322 |
| 1600 | 290 | 434 | 578 |

SIL-CZO

| Ø del silenciador | Longitud de los silenciadores | | |
|---|---|---|---|
| | ØDx1 | ØDx1,5 | ØDx2 |
| 400 | 20 | 27 | 35 |
| 450 | 24 | 31 | 41 |
| 500 | 29 | 39 | 50 |
| 560 | 33 | 46 | 60 |
| 630 | 44 | 64 | 84 |
| 710 | 57 | 78 | 101 |
| 800 | 66 | 93 | 120 |
| 900 | 107 | 135 | 163 |
| 1000 | 149 | 178 | 208 |
| 1120 | 174 | 208 | 226 |
| 1250 | 206 | 248 | 289 |
| 1400 | 283 | 351 | 418 |
| 1600 | 377 | 564 | 751 |

## Silenciadores SIL-CZO - Pérdidas de carga

| SIL-CZO (ØDx1) | Velocidad del aire | | | | | |
|---|---|---|---|---|---|---|
| | 5 m/s | | 10 m/s | | 15 m/s | |
| Diámetro nominal | Caudal ($m^3/h$) | Pérdida de carga (Pa) | Caudal ($m^3/h$) | Pérdida de carga (Pa) | Caudal ($m^3/h$) | Pérdida de carga (Pa) |
| 400 | 1.700 | 5 | 3.400 | 24 | 5.100 | 64 |
| 450 | 2.000 | 6 | 4.000 | 25 | 6.000 | 66 |
| 500 | 2.700 | 7 | 5.400 | 30 | 8.100 | 65 |
| 560 | 3.200 | 4 | 6.400 | 16 | 9.600 | 42 |
| 630 | 4.400 | 4,5 | 8.800 | 18 | 13.100 | 39 |
| 710 | 5.100 | 3 | 10.200 | 10 | 15.300 | 23 |
| 800 | 7.000 | 4 | 14.000 | 14 | 21.000 | 36 |
| 900 | 9.400 | 3 | 18.800 | 18 | 28.200 | 55 |
| 1000 | 8.200 | 3 | 16.300 | 10 | 24.500 | 27 |
| 1120 | 11.800 | 4 | 23.500 | 16 | 35.300 | 42 |
| 1250 | 16.100 | 5 | 32.200 | 23 | 48.300 | 56 |
| 1400 | 21.700 | 7 | 43.500 | 26 | 65.200 | 54 |
| 1600 | 30.200 | 10 | 60.400 | 32 | 90.700 | 61 |

| SIL-CZO (ØDx2) | Velocidad del aire | | | | | |
|---|---|---|---|---|---|---|
| | 5 m/s | | 10 m/s | | 15 m/s | |
| Diámetro nominal | Caudal ($m^3/h$) | Pérdida de carga (Pa) | Caudal ($m^3/h$) | Pérdida de carga (Pa) | Caudal ($m^3/h$) | Pérdida de carga (Pa) |
| 400 | 1.700 | 10 | 3.400 | 39 | 5.100 | 92 |
| 450 | 2.000 | 11 | 4.000 | 40 | 6.000 | 94 |
| 500 | 2.700 | 12 | 5.400 | 47 | 8.100 | 98 |
| 560 | 3.200 | 6 | 6.400 | 26 | 9.600 | 60 |
| 630 | 4.400 | 7 | 8.800 | 29 | 13.100 | 61 |
| 710 | 5.100 | 4,5 | 10.200 | 16 | 15.300 | 39 |
| 800 | 7.000 | 5,5 | 14.000 | 23 | 21.000 | 61 |
| 900 | 9.400 | 5 | 18.800 | 28 | 28.200 | 85 |
| 1000 | 8.200 | 5 | 16.300 | 15 | 24.500 | 41 |
| 1120 | 11.800 | 5 | 23.500 | 23 | 35.300 | 65 |
| 1250 | 16.100 | 7 | 32.200 | 35 | 48.300 | 89 |
| 1400 | 21.700 | 9 | 43.500 | 41 | 65.200 | 93 |
| 1600 | 30.200 | 14 | 60.400 | 52 | 90.700 | 104 |

## Silenciadores SIL-CZ y SIL-CZO - Atenuación acústica en dB

| | | 125Hz | 250Hz | 500Hz | 1000Hz | 2000Hz | 4000Hz | 8000Hz |
|---|---|---|---|---|---|---|---|---|
| SIL-CZ-400 | 10 | 0 | 4 | 10 | 13 | 8 | 8 | 5 |
| | 15 | 1 | 5 | 14 | 19 | 12 | 10 | 8 |
| | 20 | 2 | 7 | 18 | 24 | 15 | 12 | 9 |
| SIL-CZ-450 | 10 | 1 | 4 | 12 | 12 | 9 | 6 | 6 |
| | 15 | 1 | 6 | 17 | 17 | 13 | 9 | 8 |
| | 20 | 1 | 7 | 21 | 21 | 15 | 10 | 8 |
| SIL-CZ-500 | 10 | 0 | 4 | 13 | 11 | 9 | 6 | 5 |
| | 15 | 1 | 6 | 18 | 17 | 12 | 9 | 7 |
| | 20 | 2 | 8 | 23 | 21 | 14 | 11 | 8 |
| SIL-CZ-560 | 10 | 0 | 4 | 14 | 11 | 8 | 5 | 4 |
| | 15 | 2 | 7 | 20 | 15 | 11 | 8 | 5 |
| | 20 | 1 | 9 | 24 | 19 | 14 | 10 | 7 |
| SIL-CZ-630 | 10 | 1 | 5 | 14 | 10 | 9 | 5 | 5 |
| | 15 | 2 | 7 | 20 | 14 | 12 | 8 | 6 |
| | 20 | 2 | 9 | 25 | 17 | 14 | 10 | 7 |
| SIL-CZ-710 | 10 | 1 | 5 | 12 | 9 | 7 | 5 | 5 |
| | 15 | 2 | 7 | 18 | 11 | 9 | 6 | 7 |
| | 20 | 4 | 9 | 24 | 14 | 11 | 8 | 8 |
| SIL-CZ-800 | 10 | 3 | 7 | 9 | 8 | 6 | 5 | 4 |
| | 15 | 5 | 10 | 13 | 12 | 9 | 7 | 7 |
| | 20 | 6 | 13 | 22 | 14 | 10 | 9 | 7 |
| SIL-CZ-900 | 10 | 3 | 7 | 13 | 8 | 6 | 5 | 4 |
| | 15 | 5 | 11 | 16 | 11 | 7 | 7 | 5 |
| | 20 | 6 | 14 | 23 | 13 | 9 | 7 | 6 |
| SIL-CZ-1000 | 10 | 3 | 8 | 12 | 8 | 4 | 4 | 4 |
| | 15 | 5 | 12 | 17 | 10 | 6 | 6 | 5 |
| | 20 | 6 | 16 | 23 | 12 | 7 | 7 | 6 |
| SIL-CZ-1120 | 10 | 3 | 8 | 13 | 7 | 5 | 4 | 3 |
| | 15 | 5 | 12 | 18 | 8 | 6 | 5 | 4 |
| | 20 | 6 | 15 | 23 | 10 | 7 | 6 | 6 |
| SIL-CZ-1250 | 10 | 3 | 9 | 13 | 7 | 4 | 4 | 3 |
| | 15 | 6 | 12 | 17 | 8 | 5 | 5 | 4 |
| | 20 | 8 | 17 | 22 | 10 | 6 | 6 | 5 |
| SIL-CZ-1400* | 10 | 6 | 12 | 16 | 10 | 8 | 7 | 6 |
| | 15 | 7 | 13 | 17 | 11 | 9 | 8 | 6 |
| | 20 | 8 | 14 | 18 | 12 | 10 | 9 | 7 |
| SIL-CZ-1600* | 10 | 7 | 12 | 16 | 10 | 8 | 7 | 6 |
| | 15 | 7 | 13 | 17 | 11 | 9 | 8 | 6 |
| | 20 | 8 | 15 | 18 | 12 | 10 | 9 | 7 |

* Valor obtenido calculado a ±1dB

| | | 125Hz | 250Hz | 500Hz | 1000Hz | 2000Hz | 4000Hz | 8000Hz |
|---|---|---|---|---|---|---|---|---|
| SIL-CZO-400 | 10 | 1 | 4 | 11 | 20 | 18 | 14 | 11 |
| | 15 | 2 | 6 | 15 | 31 | 27 | 19 | 14 |
| | 20 | 2 | 9 | 20 | 37 | 35 | 23 | 16 |
| SIL-CZO-450 | 10 | 1 | 6 | 14 | 21 | 19 | 13 | 9 |
| | 15 | 2 | 7 | 19 | 31 | 28 | 18 | 12 |
| | 20 | 3 | 10 | 23 | 39 | 36 | 21 | 15 |
| SIL-CZO-500 | 10 | 2 | 5 | 13 | 20 | 16 | 11 | 8 |
| | 15 | 3 | 7 | 19 | 29 | 24 | 14 | 10 |
| | 20 | 3 | 10 | 24 | 38 | 32 | 18 | 12 |
| SIL-CZO-560 | 10 | 1 | 6 | 15 | 21 | 17 | 11 | 8 |
| | 15 | 3 | 9 | 22 | 32 | 27 | 15 | 11 |
| | 20 | 2 | 12 | 27 | 41 | 35 | 18 | 12 |
| SIL-CZO-630 | 10 | 1 | 6 | 15 | 19 | 16 | 10 | 8 |
| | 15 | 2 | 9 | 22 | 29 | 23 | 14 | 10 |
| | 20 | 3 | 11 | 27 | 37 | 29 | 15 | 12 |
| SIL-CZO-710 | 10 | 2 | 7 | 15 | 20 | 18 | 12 | 10 |
| | 15 | 3 | 11 | 22 | 31 | 25 | 13 | 11 |
| | 20 | 5 | 14 | 29 | 41 | 32 | 18 | 15 |
| SIL-CZO-800 | 10 | 3 | 9 | 12 | 17 | 15 | 9 | 8 |
| | 15 | 6 | 13 | 18 | 26 | 22 | 12 | 11 |
| | 20 | 6 | 16 | 29 | 35 | 26 | 15 | 12 |
| SIL-CZO-900 | 10 | 4 | 8 | 15 | 16 | 11 | 8 | 7 |
| | 15 | 5 | 12 | 20 | 24 | 16 | 10 | 9 |
| | 20 | 7 | 17 | 30 | 34 | 20 | 12 | 11 |
| SIL-CZO-1000 | 10 | 8 | 14 | 20 | 24 | 21 | 14 | 10 |
| | 15 | 10 | 22 | 30 | 37 | 29 | 16 | 12 |
| | 20 | 13 | 28 | 39 | 47 | 38 | 19 | 13 |
| SIL-CZO-1120 | 10 | 6 | 13 | 20 | 21 | 14 | 8 | 7 |
| | 15 | 10 | 19 | 29 | 33 | 20 | 11 | 10 |
| | 20 | 14 | 26 | 36 | 42 | 24 | 13 | 11 |
| SIL-CZO-1250 | 10 | 7 | 12 | 18 | 19 | 10 | 6 | 6 |
| | 15 | 10 | 18 | 26 | 29 | 14 | 9 | 7 |
| | 20 | 13 | 25 | 35 | 37 | 17 | 11 | 9 |
| SIL-CZO-1400* | 10 | 7 | 11 | 17 | 16 | 13 | 11 | 8 |
| | 15 | 8 | 13 | 19 | 18 | 15 | 13 | 9 |
| | 20 | 9 | 15 | 21 | 20 | 17 | 14 | 10 |
| SIL-CZO-1600* | 10 | 8 | 12 | 16 | 15 | 13 | 11 | 8 |
| | 15 | 9 | 14 | 19 | 18 | 15 | 13 | 9 |
| | 20 | 10 | 16 | 21 | 20 | 17 | 14 | 10 |

* Valor obtenido calculado a ±1dB

# Información adicional

# Información adicional

## DESCRIPCIÓN VENTILADOR

### Ventiladores de acoplamiento directo

| FR | 451 | / | 4 | N | 4 | A | 11 kW | LG | 270 |
|---|---|---|---|---|---|---|---|---|---|
| A | B | | C | D | E | F | G | H | I |

**A** Modelo

**B** Tamaño ventilador

**C** Número de polos

**D** Tipo de pala:
N: Negativa
P: Positiva
R: Radial

**E** Ejecución ventilador:
4: Directo
5: Motor-brida
8: Acoplamiento junta

**F** A: Versión estándar
B: Rodete de refrigeración

**G** Potencia nominal

**H** Rotación:
RD / LG

**I** Orientación:
0 / 45 / 90 / 135 / 180 / 225 / 270 / 315

### Ventiladores a transmisión

| FR | 451 | N | 12 | A | 11 kW/4 | RPM | W | LG | 270 |
|---|---|---|---|---|---|---|---|---|---|
| A | B | C | D | E | F | G | H | I | J |

**A** Modelo

**B** Tamaño ventilador

**C** Tipo de pala:
N: Negativa
P: Positiva
R: Radial

**D** Ejecución ventilador
1: Eje libre
9: Transmisión sobre base soporte rodamientos
12: Transmisión sobre base bancada general

**E** A: Versión estándar
B: Rodete de refrigeración

**F** Potencia nominal / Nº Polos

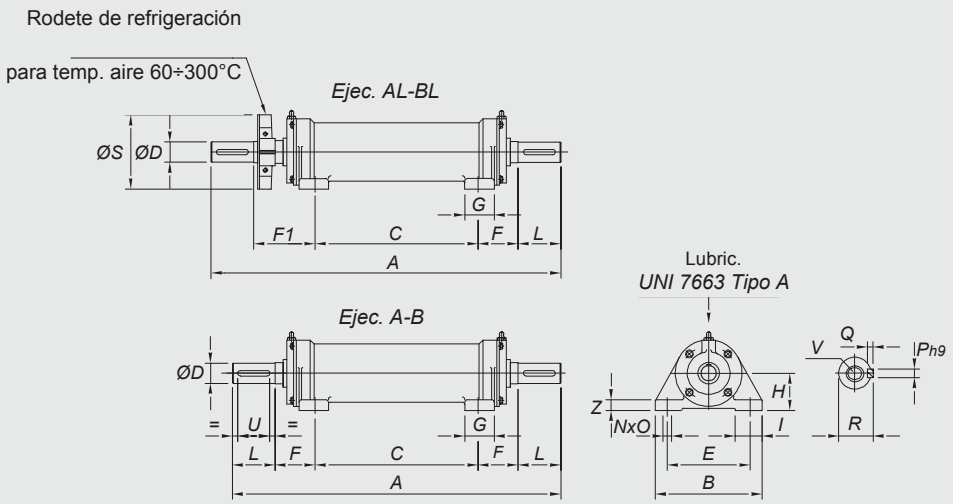
**G** RPM

**H** Posición del motor:
W / X / Y / Z

**I** Rotación:
RD / LG

**J** Orientación:
0 / 45 / 90 / 135 / 180 / 225 / 270 / 315

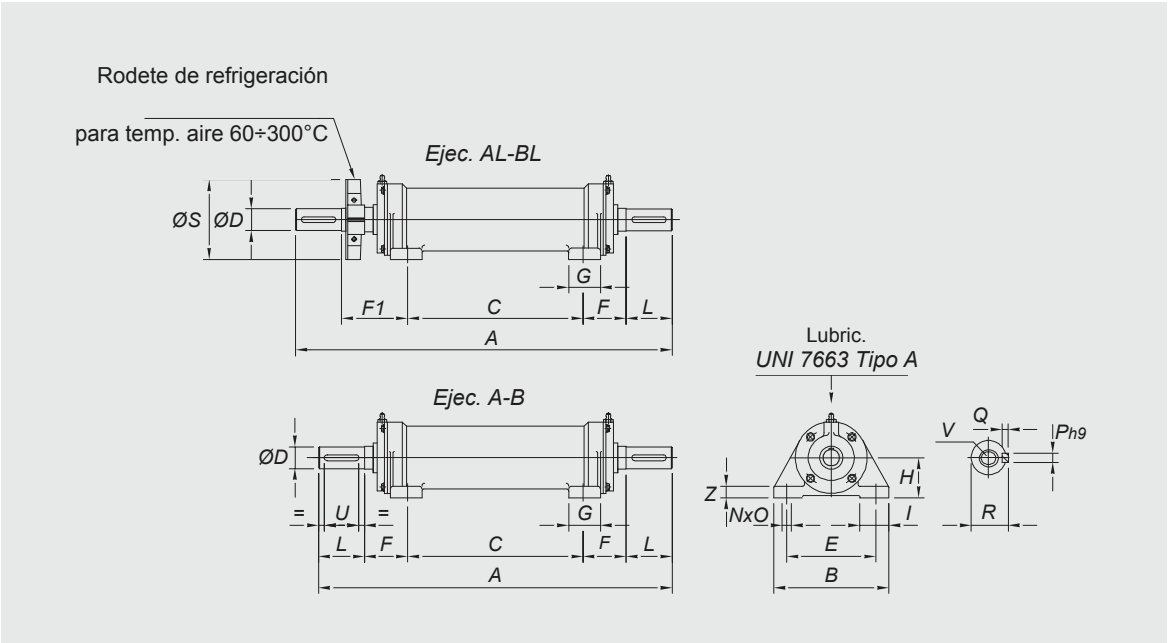
## SOPORTES ST EJECUCIONES A - AL - B - BL




| Soporte tipo | Dimensiones (mm) | | | | | | | | | | | | | | | | | | Peso (kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | D J6 | E | F | F1 | G | H | I | L | NxO | PxQ | R | S | U | V | Z | |
| ST 47 A<br>ST 47 AL | 342<br>369 | 135 | 161 | 19 | 100 | 50.5 | 77.5 | 40 | 40 | 37.5 | 40 | 10x15 | 6x6 | 21.5 | 112 | 30 | M6 | 16 | 5,00<br>5,05 |
| ST 62 A<br>ST 62 AL | 422<br>454 | 160 | 210 | 24 | 125 | 56 | 88 | 45 | 55 | 40 | 50 | 13x18 | 8x7 | 27 | 112 | 40 | M8 | 18 | 9,60<br>9,70 |
| ST 80 A<br>ST 80 AL | 575<br>615 | 200 | 308 | 28 | 155 | 73.5 | 113.5 | 55 | 70 | 50 | 60 | 15x20 | 8x7 | 31 | 140 | 50 | M10 | 21 | 18,00<br>18,30 |
| ST 90 A-B<br>ST 90 AL-BL | 615<br>655 | 200 | 308 | 38 | 155 | 73.5 | 113.5 | 55 | 70 | 50 | 80 | 15x20 | 10x8 | 41 | 140 | 60 | M12 | 21 | 20,00<br>20,40 |
| ST 100 A-B<br>ST 100 AL-BL | 753<br>793 | 230 | 378 | 42 | 175 | 77.5 | 117.5 | 65 | 80 | 60 | 110 | 18x25 | 12x8 | 45 | 160 | 80 | M16 | 24 | 33,00<br>33,50 |
| ST 110 A-B<br>ST 110 AL-BL | 753<br>793 | 230 | 378 | 48 | 175 | 77.5 | 117.5 | 65 | 80 | 60 | 110 | 18x25 | 14x9 | 51.5 | 160 | 80 | M16 | 24 | 34,00<br>34,60 |
| ST 120 A-B<br>ST 120 AL-BL | 823<br>883 | 260 | 423 | 48 | 200 | 90 | 150 | 80 | 95 | 65 | 110 | 20x30 | 14x9 | 51.5 | 200 | 90 | M16 | 26 | 53,00<br>54,00 |
| ST 130 A-B<br>ST 130 AL-BL | 823<br>883 | 260 | 423 | 55 | 200 | 90 | 150 | 80 | 95 | 65 | 110 | 20x30 | 16x10 | 59 | 200 | 90 | M20 | 26 | 54,00<br>55,30 |
| ST 150 A-B<br>ST 150 AL-BL | 974<br>1034 | 290 | 470 | 65 | 210 | 112 | 172 | 90 | 105 | 80 | 140 | 22x35 | 18x11 | 69 | 250 | 120 | M20 | 27 | 100,00<br>101,80 |
| ST 180 A-B<br>ST 180 AL-BL | 1095<br>1165 | 340 | 520 | 80 | 260 | 117.5 | 187.5 | 90 | 125 | 100 | 170 | 25x35 | 22x14 | 85 | 315 | 140 | M20 | 32 | 150,00<br>153,00 |
| ST 200 A-B<br>ST 200 AL-BL | 1164<br>1234 | 370 | 564 | 90 | 290 | 130 | 200 | 100 | 140 | 105 | 170 | 25x35 | 25x14 | 95 | 315 | 140 | M20 | 35 | 260,00<br>264,00 |

* EJECUCIONES DE FABRICACIÓN
Ejecución A: árbol corto, cojinetes de bolas
Ejecución AL: árbol largo, cojinetes de bolas
Ejecución B: árbol corto, cojinete de bolas lado rueda, cojinete de rodillo lado transmisión
Ejecución BL: árbol largo, cojinete de bolas lado rueda, cojinete de rodillo lado transmisión

## SOPORTES SN EJECUCIONES A - AL - B - BL




| Soporte tipo | Dimensiones (mm) | | | | | | | | | | | | | | | | | | Peso (kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | C1 | D j6 | E | F | F1 | F2 | G | H | L | NxO | PxQ | R | S | U | V | |
| SN 507 | 422 | 185 | 211 | 171 | 24 | 150 | 53 | 58 | 98 | 52 | 50 | 50 | 15x20 | 8x7 | 27 | 140 | 40 | M8 | 8 |
| SN 508 | 575 | 205 | 344 | 304 | 28 | 170 | 53 | 58 | 98 | 60 | 60 | 60 | 15x20 | 8x7 | 31 | 140 | 50 | M10 | 12 |
| SN 509 | 615 | 205 | 335 | 295 | 38 | 170 | 57 | 63 | 103 | 60 | 60 | 80 | 15x20 | 10x8 | 41 | 160 | 60 | M12 | 16 |
| SN 510 | 753 | 205 | 413 | 373 | 42 | 170 | 57 | 63 | 103 | 60 | 60 | 110 | 15x20 | 12x8 | 45 | 160 | 90 | M16 | 20 |
| SN 512 | 865 | 255 | 510 | 450 | 48 | 210 | 63 | 72 | 132 | 70 | 70 | 110 | 18x24 | 14x9 | 51.5 | 200 | 90 | M16 | 30 |
| SN 513 | 895 | 275 | 535 | 475 | 55 | 230 | 65 | 75 | 135 | 80 | 80 | 110 | 18x24 | 16x10 | 59 | 200 | 90 | M20 | 35 |
| SN 516 | 995 | 315 | 560 | 500 | 65 | 260 | 75 | 80 | 140 | 90 | 95 | 140 | 22x28 | 18x11 | 69 | 250 | 120 | M20 | 56 |
| SN 518 | 1180 | 345 | 725 | 650 | 75 | 290 | 83 | 92 | 167 | 100 | 100 | 140 | 22x28 | 20x12 | 79.5 | 315 | 120 | M20 | 81 |
| SN 520 | 1285 | 380 | 755 | 680 | 80 | 320 | 90 | 100 | 175 | 110 | 112 | 170 | 26x32 | 22x14 | 85 | 315 | 140 | M20 | 112 |
| SN 522 | 1460 | 410 | 900 | 825 | 90 | 350 | 108 | 112 | 187 | 120 | 125 | 170 | 26x32 | 25x14 | 95 | 400 | 140 | M20 | 150 |
| SN 524 | 1540 | 410 | 900 | 825 | 100 | 350 | 108 | 112 | 187 | 120 | 140 | 210 | 26x32 | 28x16 | 106 | 400 | 180 | M24 | 200 |

## TIPO DE RODAMIENTOS PARA CADA SOPORTE SEGÚN SERIE

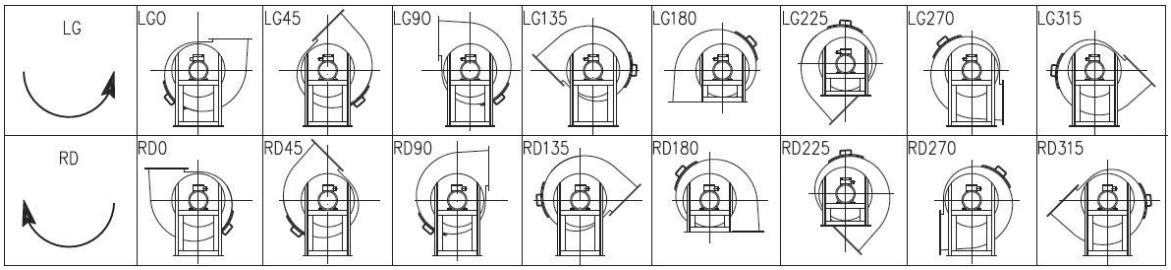
### Soportes y cojinetes de serie instalados en los ventiladores a transmisión

| Soporte | Rodamientos + Taper | FA P[1] K P[1] | FC P[1] FC N[1] | KA P[1] | FE P[1] FE N[1] | KB P[1] | FG P[1] FG N[1] VCM N[1] | FI P[1] FI N[1] | Soporte | Rodamientos + Taper | ART N[1] KC R[1] | FP N[1] FP P[1] | MEC N[1] FQ KM R[1] | FR N[1] | FS P[1] | Soporte | Rodamientos + Taper | DFR N | DFM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 351 | | | | | | | | | | | | | 201 | 28 | H 309 | 1 | |
| ST 47 A 19 | 6204-Z | | | | | | | | ST 47 AL 19 | 6204-Z | | | 251 | 251 | 221 | SN 509 C 42 -- | 2209EK | 401-- | |
| | | 501 | | | | | | | | | | | | | 251 | 38 | 22209EK | 2-3 | |
| | | 631 | | 401 | 401 | | | | | | | | 281 | 281 | 281 | 32 | H 310 | 1 | |
| ST 62 A 24 | 6305-Z | | | | | | 351 | | ST 62 AL 24 | 6305-Z | | | | | | SN 510 C 48 -- | 2210EK | 451-- | |
| | | | | 451 | 451 | | | | | | | | 311 | 311 | 311 | 42 | 22210EK | 2-3 | |
| | | 711 | 501 | 501 | 501 | | | | | | | | | | | 38 | H 311 | 1 | |
| ST 80 A 28 | 6307-Z | | | | | 401 | 401 | 401 | ST 80 AL 28 | 6307-Z | | 351 | 351 | 351 | 351 | SN 511 C 55 -- | 2211EK | 501-- | |
| | | 801 | 561 | 561 | 561 | | | | | | | | | | | 48 | 22211EK | 2-3 | |
| | | 901 | 631 | 631 | 631 | 451 | 451 | 451 | | | 401 | 401 | 401 | 401 | 401 | 38 | H 312 | 1 | |
| ST 90 A 38 | 6308-Z | | | | | | | | ST 90 AL 38 | 6308-Z | | | | | | SN 512 C 60 -- | 2212EK | 561-- | |
| | | | | | | 501 | 501 | 501 | | | 451 | 451 | 451 | 451 | 451 | 48 | 22212EK | 2-3 | 561 |
| | | | 711 | 711 | 711 | | | | | | | | | | | 42 | H 313 | 1 | |
| ST 100 A 42 | 6309-Z | | | | | 561 | 561 | 561 | ST 100 AL 42 | 6309-Z | 501 | 501 | 501 | 501 | 501 | SN 513 C 65 -- | 2213EK | 631-- | |
| | | | 801 | 801 | 801 | | | | | | | | | | | 55 | 22213EK | 2-3 | 631 |
| A | NU 310 ECP | | | | | | | | AL | NU 310 ECP | AL 561 | AL 561 | AL 561 | AL 561 | AL 561 | 48 | H 316 | 1 | |
| ST 110 – 48 | 6310-Z | | B 901 | B 901 | B 901 | B 631 | B 631 | B 631 | ST 110 --- 48 | 6310-Z | | | | | | SN 516 C 75 -- | 2216EK | 711-- | |
| B | | | | | | | | | BL | | AL 631 | AL 631 | AL 631 | AL 631 | AL 631 | 60 | 22216EK | 2-3 | 711 |
| A | NU 311 ECP | | | | | | | | | NU 311 ECP | | | | | | 55 | H 317 | 1 | |
| ST 120 – 48 | 6311-Z | | B 1001 | B 1001 | B 1001 | B 711 | B 711 | B 711 | ST 120 BL 48 | 6311-Z | 711 | 711 | 711 | 711 | 711 | SN 517 C 80 -- | 2217K | 801-- | |
| B | | | | | | | | | | | | | | | | 65 | 22217EK | 2-3 | 801 |
| A | NU 312 ECP | | | | | | | | | NU 312 ECP | 801 | | 801 | 801 | 801 | 60 | H 318 | 1 | |
| ST 130 – 55 | 6312-Z | | B 1121 | B 1121 | B 1121 | B 801 | B 801 | B 801 | ST 130 BL 55 | 6312-Z | | 801 | | | | SN 518 C 90 -- | 2218K | 901-- | |
| B | | | | | | | | | | | 901 | | 901 | 901 | 901 | 75 | 22218EK | 2-3 | 901 |
| | NU 314 ECP[1] | | | | | | | | | NU 314 ECP[1] | | | | | | 65 | H 318 | 1 | |
| ST 150 B 65 | 6314-Z | | | | | 901 | 901 | 901 | ST 150 B 65 | 6314-Z | | 901 | | | | SN 518 CL 90 - | 2218K | 1001-- | |
| | | | | | | | | | | | | | | | | 75 | 22218EK | 2-3 | |
| | NU 317 ECP[1] | | | | | 1001 | 1001 | 1001 | | H316 | | | | | | 75 | H320 | 1 | |
| ST 180 B 80 | 6317-Z | | | | | 1121 | 1121 | 1121 | SN 516 BL 65 | 22216EK | 1001 | | 1001 | 1001 | 1001 | SN 520 C 100- | 22220EK | 1121-- | |
| | | | | | | | | | | | | | | | | 80 | | 2-3 | 1001 |
| | NU 319 ECP[1] | | | | | | 1251 | 1251 | | H318 | 1121 | | 1121 | 1121 | | 80 | H322 | 1 | |
| ST 200 B 90 | 6319-Z | | | | | | | | SN 518 BL 75 | 22218EK | | 1001 | | | | SN 522 C 110- | 22222EK | 1251-- | |
| | | | | | | | | | | | 1251 | | 1251 | 1251 | | 90 | | 2-3 | 1121 |
| | H 320 | | | | | | 1401 | 1401 | | H320 | | 1121 | | | | 90 | H3124 | 1 | |
| SN 520 B 80 | 22220 EK | | | | | | | | SN 520 B 80 | 22220EK | 1401 | | 1401 | 1401 | | SN 524 C 120- | 22224EK | 1401-- | |
| | | | | | | | | | | | | 1251 | | | | 100 | | 2-3 | 1251 |
| | H322 | | | | | | 1601 | 1601 | | H322 | | | | | | 100 | H3126 | 1 | |
| SN 522 B 90 | 22222 EK | | | | | | | | SN 522 B 90 | 22222EK | 1601 | 1401 | 1601 | 1601 | | SN 526 C 130- | 22226EK | 1601-- | |
| | | | | | | | | | | | | | | | | 110 | | 2-3 | |
| | H3124 | | | | | | 1801 | 1801 | | H3124 | 1801 | 1601 | 1801 | 1801 | | 110 | H3128 | 1 | |
| SN 524 B 100 | 22224 EK | | | | | | 2001 | 2001 | SN 524 B 100 | 22224EK | | | | | | SN 528 C 140- | 22228CCK/W33 | 1801-- | |
| | | | | | | | | | | | 2001 | 1801 | 2001 | 2001 | | 120 | | 2-3 | |
| | | | | | | | | | | H3128 | | | | | | 120 | H3130 | 1 | |
| | | | | | | | | | SN 528 B 110 | 22228 CCK/W33 | | 2001 | | | | SN 530 C 160- | 22230CCK/W33 | 2001-- | |
| | | | | | | | | | | | | | | | | 130 | | 2-3 | |

[1] Rodamiento de rodillos con jaula ecp, -20% de la velocidad de giro max. de catálogo – rodamientos de rodillos con jaula ECM, hasta la velocidad de giro max. de catálogo

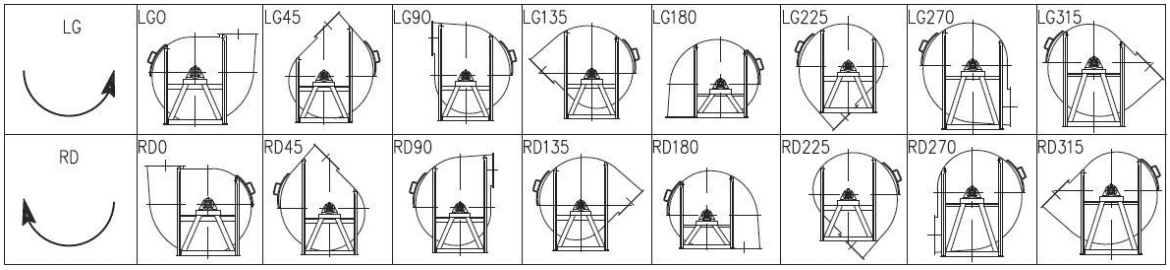
## POSICIÓN PUERTA DE INSPECCIÓN

### A. Voluta orientable




* Posiciones especiales

### B. Voluta no orientable



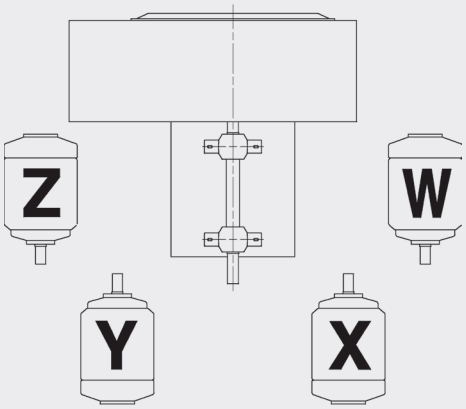

### Las puertas de inspección son de serie para

| Serie | Tamaño |
|---|---|
| ART – KC – FP – FQ – MEC – KM | Del 711 al 2001 |
| FR – DFR - DFM | Del 1401 al 2001 |
| KA – KB – VCM – FS – DFS | Bajo pedido hasta el Ø1250. A partir del Ø1401 es de serie |
| FA – K | No es posible instalar puerta de inspección |

Para el resto de ventiladores, consultar oficina técnica

## POSICIÓN DEL MOTOR EN LAS EJECUCIONES A TRANSMISIÓN

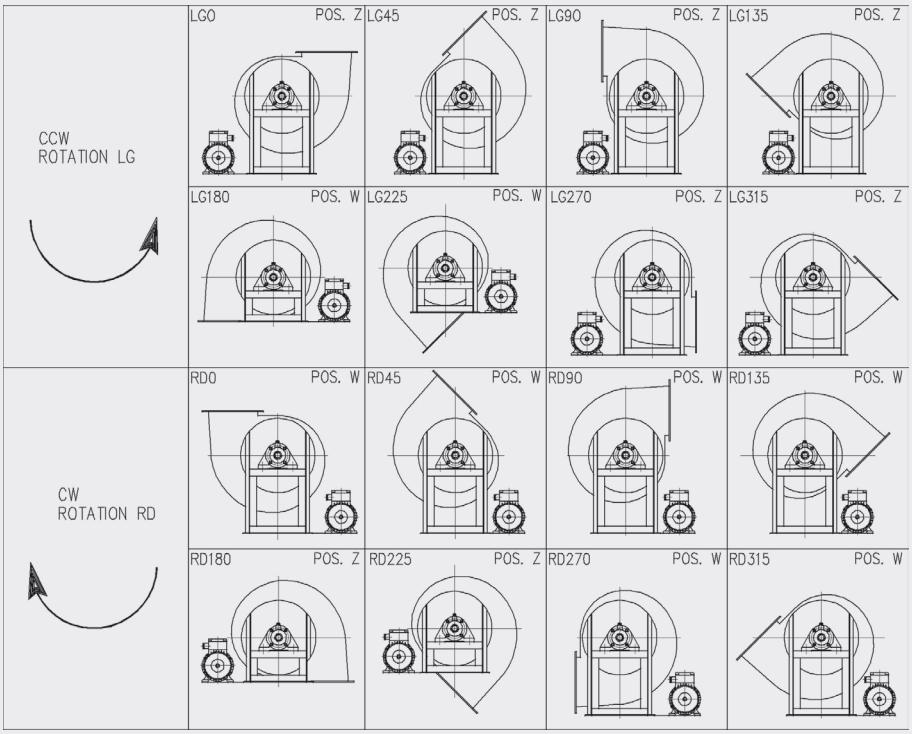
### Ventiladores centrífugos




Posiciones disponibles para el sistema 9: W, Z - Posiciones disponibles para el sistema 12: W, X, Y, Z

**Posiciones estándard del motor en los ventiladores a transmisión**

Si no se indica la posición del motor, las posiciones estándar según la orientación del ventilador se encuentran en la tabla.
Para la gama DFR-DFM con orientación LG90-LG135, la posición del motor será W, mientras que para la orientación RD90-RD135, la posición del motor será Z.
Los ventiladores tipo FA-FC-FE-FG-FI, con orientación LG135 tendrán el motor montado en posición W, y en la orientación RD135, el motor se montará en posición Z.

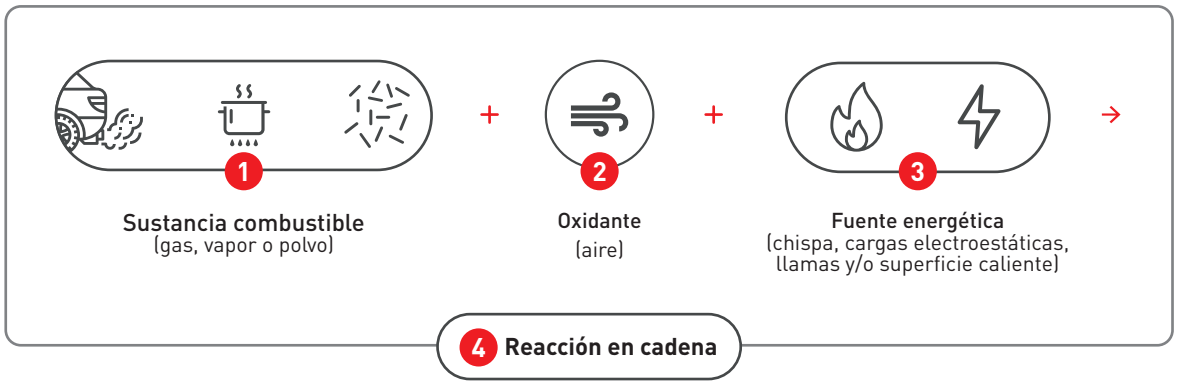



Contactar con oficina técnica la posibilidad de disponer de una posición diferente respecto de las de la tabla.

# Ventiladores ATEX

# Ventiladores ATEX

## ¿CÓMO SE PRODUCE UNA EXPLOSIÓN?




**Para evitar la explosión basta con eliminar uno de estos elementos**

## SUSTANCIAS POTENCIALMENTE EXPLOSIVAS

| Sustancia | ATEX Grupo |
|---|---|
| Metano (Grisú) | I |
| Propano | IIA |
| Etileno | IIB |
| Hidrogeno | IIC |
| Acetileno | IIC |
| Fibras combustibles | IIIA |
| Polvos combustibles | IIB |
| Polvos a base de carbono | IIIB |
| Polvos conductivo | IIIC |

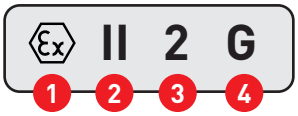
## CLASES DE TEMPERATURA MÁXIMA SUPERFICIAL

| | GAS | POLVO |
|---|---|---|
| T1 | 450 ºC | T295 ºC |
| T2 | < 300 ºC | T195 ºC |
| T3 | < 200 ºC | T135 ºC |
| T4 | < 135 ºC | T125 ºC |
| T5 | < 100 ºC | |
| T6 | < 85 ºC | |

## CATEGORÍAS Y RESPECTIVAS ZONAS DE USO

| Grupo del equipo | Categoría del Equipo (ATEX Directive 2014/34/EU) | Zona | Nivel de protección del equipo | Atmósfera | Nivel de protección | Uso |
|---|---|---|---|---|---|---|
| I (Minas) | M1 | - | Ma | Metano (Grisú) | Muy alto | Es capaz de permanecer en operación ante la presencia de atmósfera explosiva |
| | M2 | - | Mb | | Alto | Debe ser desenergizado ante la presencia de atmósfera explosiva |
| II (Otros) | 1 | 0 | Ga | G - Gases, Vapores D - Polvo | Muy alto | Zonas 0, 1, 2 |
| | | 20 | Da | | | Zonas 20, 21, 22 |
| | 2 | 1 | Gb | | Alto | Zonas 1, 2 |
| | | 21 | Db | | | Zonas 21, 22 |
| | 3 | 2 | Gc | | Mejorado | Zona 2 |
| | | 22 | Dc | | | Zona 22 |

## Marcado según
**Directiva 2014/34/UE**
(Directive part)




**1** Marcado de la Comisión Europea para protección contra explosion

**2** **Conocer el ambiente dónde será instalado el ventilador**
- Grupo aparatos I (Minas)
- Grupo aparatos II (Industria)

**3** **Categoría del Equipo**
1 para Zona 0 o 20
2 para Zona 1 o 21
3 para Zona 2 o 22

**M1 - Minas**: Es capaz de permanecer en operación ante la presencia atmósfera explosiva
**M2 - Minas:** Debe ser desenergizado ante la presencia de atmósfera explosiva

**4** **Atmósfera del ambiente:**
**G**-Gas **D**-Polvo

## Marcado mecánico según
**EN ISO 80079-36**
(Standard part)



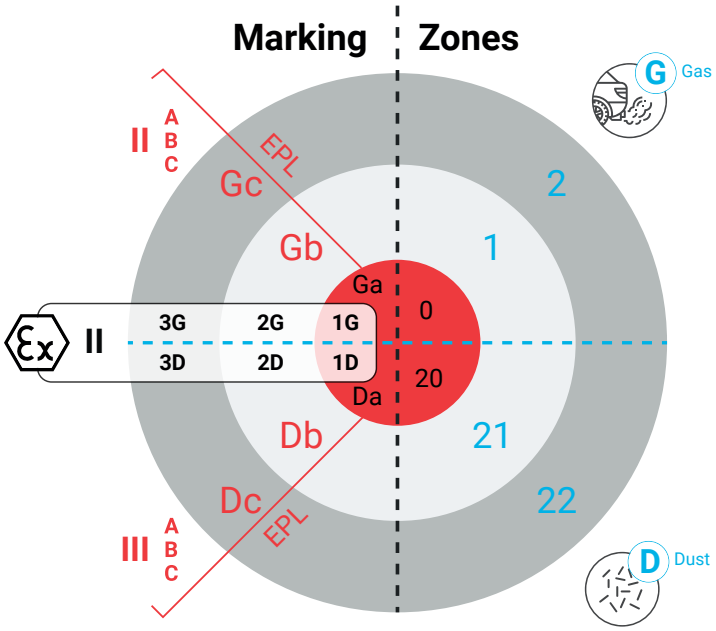

**5** Protegido contra explosión

**6** Modo de protección no-eléctrico, seguridad constructiva h (anteriormente c)

**7** **Grupo de sustancias potencialmente explosivas (Gas/Polvo):** IIA, IIB (IIB+H2), IIIA, IIIB, IIIC

**8** **Temperatura máxima superficial**
**Gas:** (T1,T2,T3,T4,T5,T6)
**Polvo:**
• Acoplamiento directo: (T125ºC, T135ºC)
• Acoplamiento transmisión: (T195ºC, T295ºC)

**9** **EPL (Equipment Protection Level)**
**Gas:** Ga, Gb, Gc
**Polvo:** Da, Db, Dc




## Marcado eléctrico según EN 60079-0
(Standard part)




**5** Protegido contra explosión

**6** **Tipo de protección:**
**"db" -** A prueba de explosión
**"db eb" -** A prueba de explosión con caja de conexión y terminales de tipo seguridad aumentada
**"eb" -** Seguridad Aumentada - Zona 1
**"ec" -** Seguridad Aumentada - Zona 2
**"tb" -** Por envoltorio - Zona 21
**"to" -** Por envoltorio - Zona 22

**7** **Grupo de sustancias potencialmente explosivas (Gas/Polvo)**
**IIA:** Propano
**IIB:** Etileno
**IIC:** Acetileno, Hidrógeno
**Polvos combustibles:**
**IIIA, IIIB:** (polvo no conductor)
**IIIC:** (polvo conductor, motor IP65)

**8** **Temperatura máxima superficial**
**Gas:** (T1,T2,T3,T4,T5,T6)
**Polvo:**
• Acoplamiento directo: (T125ºC, T135ºC)
• Acoplamiento transmisión: (T195ºC, T295ºC)

**9** **EPL (Equipment Protection Level)**
**Gas:** Ga, Gb, Gc
**Polvo:** Da, Db, Dc

# Formulario ATEX

**FORMULARIO A ENVIAR ADJUNTO A LA PETICIÓN DE OFERTA PARA VENTILADORES EX QUE CUMPLEN CON LA DIRECTIVA 2014/34/UE (ATEX)**

Agradeceremos cumplimenten el formulario siguiente marcando una de las posibilidades. Leer también junto a la solicitud la nota de detalle correspondiente. Para las preguntas 5, 7, 8 y 9 indicar el valor de las magnitudes solicitadas.

| | |
|---|---|
| Fecha | Cliente |
| Referencia | Artículo |

**Quién rellena la solicitud**

Apellidos y nombre

Cargo

Sello y firma

1. ¿El ventilador se instalará en una zona con peligro de explosión[1]? ☐ SI ☐ NO

2. De ser así, ¿cómo se ha clasificado la zona[2]?

| DENTRO DEL VENTILADOR | |
|---|---|
| No clasificado | |
| Zona 1 (2G) | |
| Zona 2 (3G) | |
| Zona 3 (2D) | |
| Zona 22 (3D) | |

| AL EXTERIOR DEL VENTILADOR | |
|---|---|
| No clasificado | |
| Zona 1 (2G) | |
| Zona 2 (3G) | |
| Zona 3 (2D) | |
| Zona 22 (3D) | |

3. Si el riesgo de explosión está determinado por gas (G) indiquese de que grupo ☐ IIB ☐ IBB+H2

   Si el riesgo de explosión está determinado por polvo (D) indicar si el mismo es conductor[3] ☐ SI ☐ NO

4. Indicar la posición del eje del ventilador ☐ HORIZONTAL ☐ VERTICAL

5. Indicar el tipo de servicio del motor eléctrico: de S1 (continuo) a S8 (continuo con variaciones periódicas de velocidad) y el número de puestas en marcha por hora del ventilador (cuando haya sido previsto). (Se aconseja el uso de dispositivos de coeficiente de temperatura positivo PTC) S ☐ No. ☐ p.m./hora

6. ¿El motor eléctrico está controlado por un variador de frecuencia? ☐ SI ☐ NO

7. Máxima temperatura superficial admisible en las zonas clasificadas INTERIOR ☐ ºC EXTERIOR ☐ ºC

8. Temperatura máxima del fluido aspirado por el ventilador[4] ☐ ºC

9. Temperatura máxima del ambiente de instalación del ventilador[5] ☐ ºC

Véanse las notas de la página siguiente
Este formulario se puede descargar en pdf en www.solerpalau.com

**Notas de detalle**

1. Si el ventilador se instala en un lugar que presenta peligro de explosión, la ejecución antichispa de tipo "C" no está permitida.

2. Si el ventilador se instala en una zona sin riesgo de explosión (tanto en el exterior como en el interior), o bien fuera de la Unión Europea, entonces no está incluido en el campo de aplicación de la directiva ATEX.
   Las zonas 0, 1 y 2 indican la presencia de gases, vapores o nieblas inflamables mezclados con aire.
   Las zonas 20, 21 y 22 indican la presencia de polvo combustible mezclado con aire.
   El valor entre paréntesis indica la correspondencia con la categoría indicada en la directiva ATEX.
   Los ventiladores de Ferrari se pueden instalar sólo en la zona 2 (3G) o en la zona 22 (3D), o bien en la zona 1 (2G) o en la zona 21 (2D).
   Por lo tanto, si la zona clasificada es de otro tipo, los ventiladores no pueden ser suministrados. Los ventiladores para las zonas 1 (2G) y 2 (3G) están indicados para gases del grupo IIB o bien para atmósferas explosivas con presencia de hidrógeno (IIB + H2) y con un tipo de temperatura T3*.
   Los ventiladores para las zonas 21 (2D) y 22 (3D) podrán desarrollar una temperatura máxima superficial de 195°C*.
   Es necesario precisar dónde se encuentra la atmósfera potencialmente explosiva para poder definir con exactitud las medidas a adoptar.
   Si la atmósfera potencialmente explosiva se encuentra presente incluso en el exterior del ventilador, hay que adoptar precauciones adicionales.
   Todos los ventiladores están acompañados por una junta de silicona; en la petición rogamos indicar eventuales incompatibilidades de dicha junta con las características de la instalación.

3. Se considera conductor el polvo que tenga una resistividad eléctrica ≤ 103 Ω.m.
   Para todos los ventiladores de la zona 21 (2D) y para los de la zona 22 (3D) con polvos conductores, los equipos eléctricos deberán ser de categoría III Db (2D) y tener un grado de protección IP 6X (EN 61241-14 - EN60529).

4. La Directiva y las normas relacionadas establecen también las características ambientales, la temperatura del ambiente externo al ventilador no debe ser inferior a -20°C ni superior a 60°C, a menos que sea especificado lo contrario por el constructor.
   Una presión en la aspiración no inferior a 80 kPa (0,8 bar) o superior a 110 kPa (1,1 bar).
   La temperatura se tiene que medir a la salida del ventilador, pues han de tenerse en cuenta también los efectos de la compresión del fluido debida al ventilador.

5. Tienen vigor las mismas consideraciones hechas en el apartado 4 y que se refieren a la temperatura ambiente del lugar en el que ha sido prevista la instalación del ventilador.

En los casos en los que la temperatura del fluido que rodea el motor supere los 40°C, es necesario verificar con el proveedor del motor si la certificación Atex sigue siendo válida, y si lo es, cuales son los limites de aplicación.

PARA VENTILADORES AXIALES DIRECTOS:
temperatura del fluido que rodea al motor = temperatura del fluido transportado

PARA VENTILADORES CENTRÍFUGOS Y PARA VENTILADORES AXIALES A TRANSMISIÓN:
temperatura del fluido que rodea al motor = temperatura del ambiente externo al ventilador

*Ocasionalmente se pueden construir ventiladores con unas temperaturas superficiales máximas superiores o inferiores a las indicadas. En cualquier caso las temperaturas superficiales máximas del producto se declararán explícitamente en la placa de identificación y en la correspondiente declaración de conformidad 2014/34/UE.

# Construcciones especiales



# Construcciones especiales



## Swing out

Compuerta especial con bisagra para poder realizar un correcto mantenimiento y limpieza del rodete sin necesidad de desmontar el ventilador completo.
Aplicaciones habituales donde existe gran cantidad de suciedad o partículas que se adhieren al rodete, como por ejemplo cabinas de pintura.



## Roll out

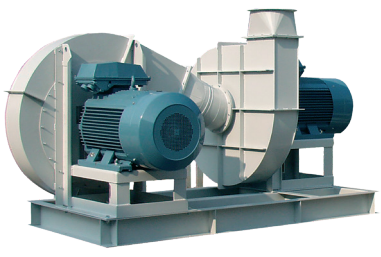
Construcción con el mismo objetivo que la Swing out, usada en aplicaciones donde se requiere un constante mantenimiento del rodete. Roll out permite extraer el rodete mediante ruedas en la base del ventilador, facilitando aún más la tarea de montaje y desmontaje del mismo.



## Ventilador alta temperatura *(T<600ºc)*

Construcción, bajo estudio previo, de ventiladores centrífugos en ejecución 12 para poder alcanzar hasta 600ºC en continuo.
Los materiales utilizados, así como las opciones de sellado y accesorios son totalmente especiales y diseñados por nuestra oficina técnica para cada caso particular.





## Ventiladores en serie

En ciertas aplicaciones se requiere conseguir presiones muy elevadas. Es por ello que contamos con las soluciones de ventiladores en serie, donde conseguimos prácticamente duplicar la presión manteniendo el mismo caudal.

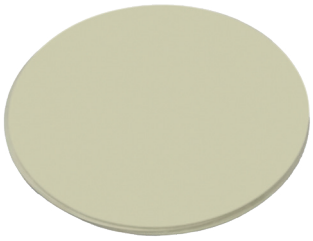
# Opciones de estanqueidad

Mecanismos que tienen como objetivo evitar o reducir en gran medida las fugas que se pueda producir a través del paso del eje del ventilador. Las fugas que se puedan producir en el ventilador podrían ocasionar daños graves, en este caso, sobre el motor y su correcto funcionamiento.

La elección del nivel de estanqueidad no es trivial y requiere de un conocimiento de la aplicación. Particularmente debemos conocer:

- Composición química del fluido trasegado.
- Temperatura del fluido.
- Zona ATEX.

Sin olvidar el mantenimiento y el coste de cada sello.
Se dispone de diferentes soluciones para poder satisfacer todas las aplicaciones en las que aplicamos nuestros ventiladores.



Teflon



Grafito

## SELLO SIMPLE

El sello más sencillo pero que ya supone un primer impedimento para que el aire no se escape con facilidad. Se trata básicamente de un anillo con un diámetro central algo superior al eje del motor o del soporte. Existen diferentes propuestas, pero básicamente trabajamos con dos alternativas, dónde uso varía exclusivamente en función de la temperatura del aire trasegado:

- Sello simple en Teflon, para T < 100ºC.
  Apto para ventiladores ATEX.
- Sello simple en grafito, para T > 100ºC.

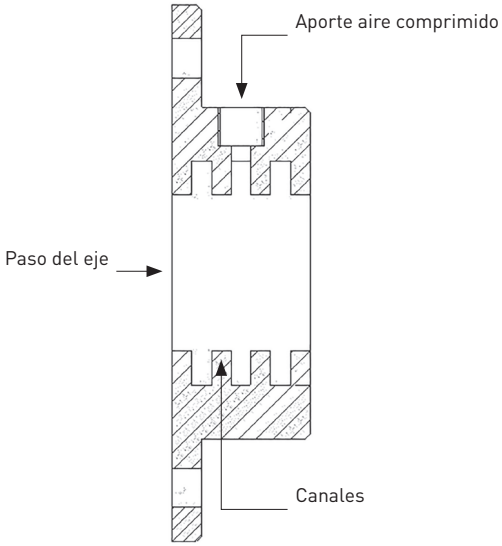
Su principal ventaja es el coste, relativamente bajo en comparación con otros mecanismos.





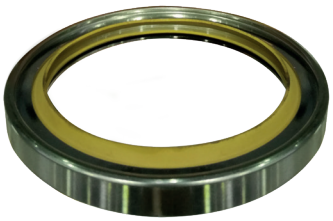
## SELLO LABERINTO

Para aplicaciones donde se requiere un nivel alto de estanqueidad, el sello laberinto puede ser una buena solución. Su funcionamiento se basa en generar una gran pérdida de carga en el propio aire de fuga, a través de unos canales, para evitar que éste se escape al exterior. En casos donde sea necesario un nivel de estanqueidad muy elevado, se puede además aportar aire comprimido u otro fluido para generar aún mayor pérdida de carga.



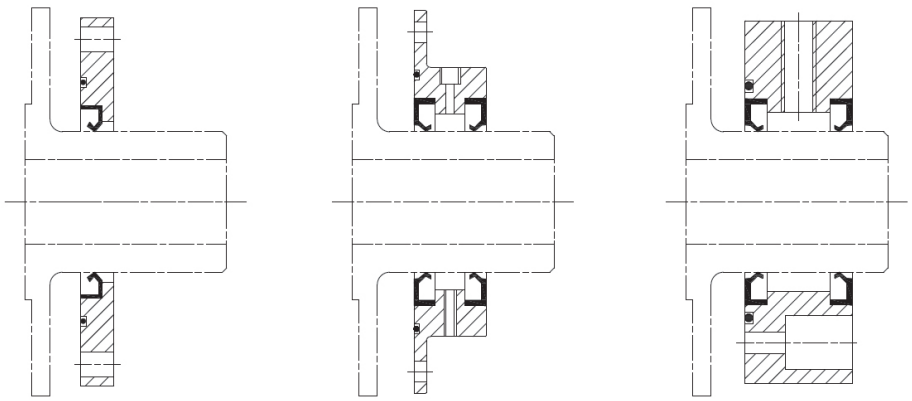

Igualmente existen 2 tipos de material en función, de nuevo, de la temperatura del aire trasegado:

- Sello laberinto en Teflon, para T hasta 250ºC.
- Sello laberinto en bronce, para T hasta 350ºC.



## SELLO RADIAL

Temperatura de funcionamiento: -30 hasta 90ºC
Material del anillo: Viton
Según el nivel de estanqueidad que se requiera, existen 3 tipos de sellos:



Tipo 1 Tipo 2 Tipo 3



## SELLO MECÁNICO

Para obtener altos niveles de estanqueidad, una de las mejores alternativas suele ser utilizar sellos mecánicos tipo Espey.

## PAQUETES DE ESTANQUEIDAD

Disponemos de dos tipos de paquetes de estanqueidad para asegurar el menor nivel de fugas en todo el conjunto del ventilador.
Consultar con nuestra red de ventas para más información.

- Conjunto simple de estanqueidad grado 0
- Conjunto complejo de estanqueidad grado 3

# Notas

**S&P SISTEMAS DE VENTILACIÓN, S.L.U.**

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