

# Serie CBM Grande



Ventiladores centrífugos de doble aspiración con motor incorporado, fabricados en **chapa de acero galvanizado** y rodete de álabes hacia adelante, **equilibrado dinámicamente**.

## Motores

Con condensador permanente.  
De 4 ó 6 polos según versiones.  
De velocidad variable, bajo demanda.  
Tensión de alimentación  
Monofásicos 230V-50Hz  
Trifásicos 230/400V-50Hz  
(Ver cuadro de características)

## Otros datos

Con brida de descarga, bajo demanda.  
Los pies soporte (accesorio), permiten cuatro posiciones de la boca de descarga.



## Silent-block antivibraciones



**Silent-block** acoplado directamente al motor que **evita la transmisión de vibraciones** al conjunto, con lo que se **reduce sensiblemente el ruido** transmitido a la instalación

## Rodete equilibrado dinámicamente



Rodete **equilibrado dinámicamente** según norma ISO 1940, para **reducir el ruido** y evitar vibraciones



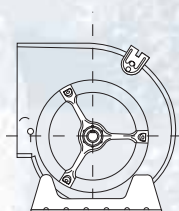
Incorporación en cajas de ventilación



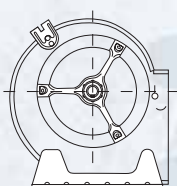
Grupos de climatización  
Aire acondicionado

## A P L I C A C I O N E S

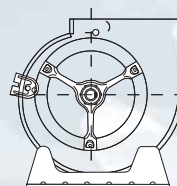
## O R I E N T A C I O N E S



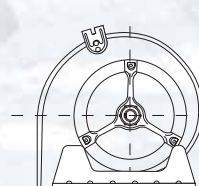
LG 90



LG 270



LG 0



LG 180

Los pies soporte (accesorio) permiten cuatro posiciones de la boca de descarga.

## ■ 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                      | Potencia motor útil |             | Equiv. en pulgadas | Polos | Velocidad (r.p.m.) | Condensador (µF / V) | Intensidad máxima absorbida 230/1/50 (A) | Intensidad máxima absorbida 230-400/3/50 (A) | Caudal (m³/h) | Nivel de presión sonora* (dB(A)) | Peso (kg) |
|-----------------------------|---------------------|-------------|--------------------|-------|--------------------|----------------------|------------------------------------------|----------------------------------------------|---------------|----------------------------------|-----------|
|                             | (W)                 | (CV)        |                    |       |                    |                      |                                          |                                              |               |                                  |           |
| CBM-180/180-N-72W           | 72                  | 1/10        | 7/7                | 6     | 960                | 4/400                | 1,0                                      | –                                            | 1400          | 56                               | 9         |
| CBM/4-180/180-N-150W        | 150                 | 1/5         | 7/7                | 4     | 1350               | 6/400                | 1,5                                      | –                                            | 1565          | 59                               | 10        |
| CBM-240/180-N-120W          | 120                 | 1/6         | 9/7                | 6     | 900                | 8/500                | 2,1                                      | –                                            | 2430          | 63                               | 15        |
| CBM-240/180-N-250W          | 250                 | 1/3         | 9/7                | 6     | 920                | 10/450               | 2,45                                     | –                                            | 2680          | 65                               | 16        |
| CBM-240/240-N-120W          | 120                 | 1/6         | 9/9                | 6     | 850                | 8/500                | 2,1                                      | –                                            | 2500          | 61                               | 16        |
| CBM-240/240-N-250W          | 250                 | 1/3         | 9/9                | 6     | 900                | 10/450               | 2,75                                     | –                                            | 2900          | 63                               | 17        |
| CBM/4-240/240-N-370W        | 370                 | 1/2         | 9/9                | 4     | 1350               | 10/400               | 3,8                                      | –                                            | 2650          | 65                               | 19        |
| CBM-270/200-N-250W          | 250                 | 1/3         | 10/8               | 6     | 900                | 10/400               | 3,0                                      | –                                            | 3480          | 65                               | 18        |
| CBM-270/200-N-370W          | 370                 | 1/2         | 10/8               | 6     | 970                | 15/400               | 4,0                                      | –                                            | 4000          | 68                               | 19        |
| CBM/4-270/200-N-370W        | 370                 | 1/2         | 10/8               | 4     | 1300               | 12/400               | 5,0                                      | –                                            | 3150          | 66                               | 21        |
| CBM-270/270-N-250W          | 250                 | 1/3         | 10/10              | 6     | 900                | 10/400               | 3,0                                      | –                                            | 3550          | 63                               | 20        |
| CBM-270/270-N-370W          | 370                 | 1/2         | 10/10              | 6     | 900                | 15/400               | 4,0                                      | –                                            | 4500          | 67                               | 21        |
| CBM/4-270/270-N-550W        | 550                 | 3/4         | 10/10              | 4     | 1400               | 15/400               | 5,9                                      | –                                            | 3540          | 66                               | 23        |
| CBM-320/240-N-550W          | 550                 | 3/4         | 12/9               | 6     | 900                | 18/400               | 5,8                                      | –                                            | 4700          | 67                               | 28        |
| CBM-320/240-N-1100W (trif.) | 1100                | 1,5 (trif.) | 12/9               | 6     | 900                | –                    | –                                        | 7,0/4,2                                      | 7000          | 75                               | 28        |
| CBM-320/320-N-550W          | 550                 | 3/4         | 12/12              | 6     | 900                | 18/400               | 5,8                                      | –                                            | 5250          | 66                               | 30        |
| CBM-320/320-N-1100W (trif.) | 1100                | 1,5 (trif.) | 12/12              | 6     | 900                | –                    | –                                        | 7,0/4,0                                      | 7900          | 78                               | 30        |
| CBM-380/380-T-2200W (trif.) | 2200                | 3 (trif.)   | 15/15              | 6     | 940                | –                    | –                                        | 10,4/6,0                                     | 11900         | 76                               | 45        |

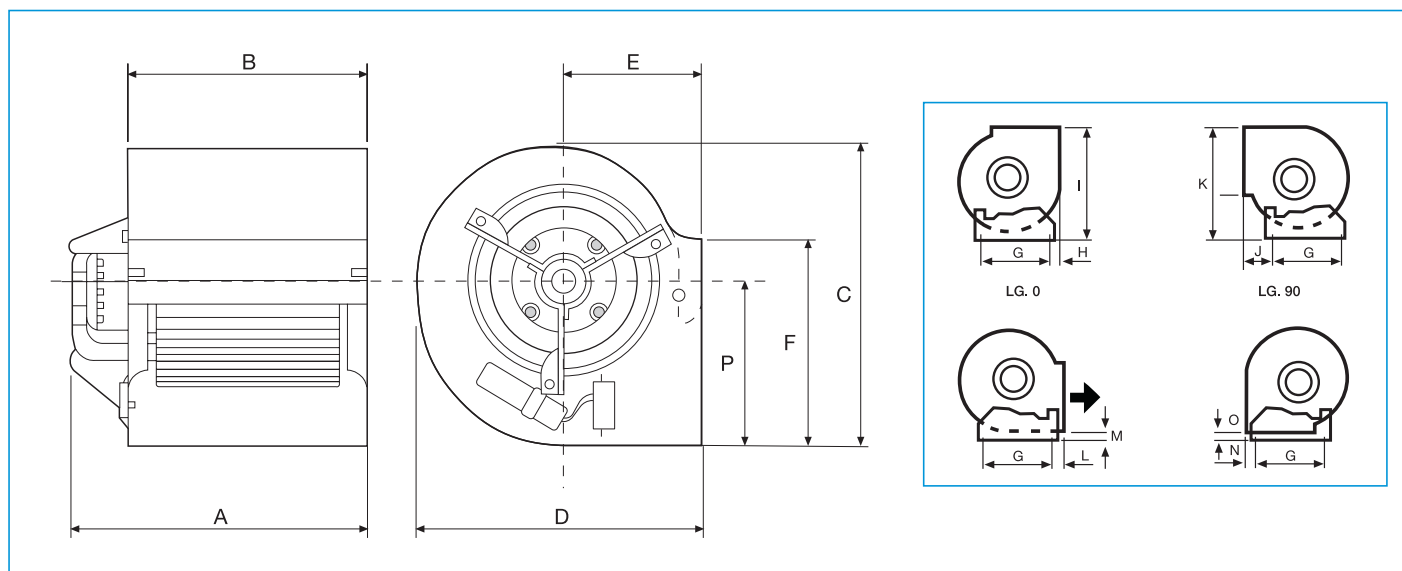
\* Medida en campo libre a 1,5 metros.

CBM Grande

Ventiladores centrífugos de baja presión

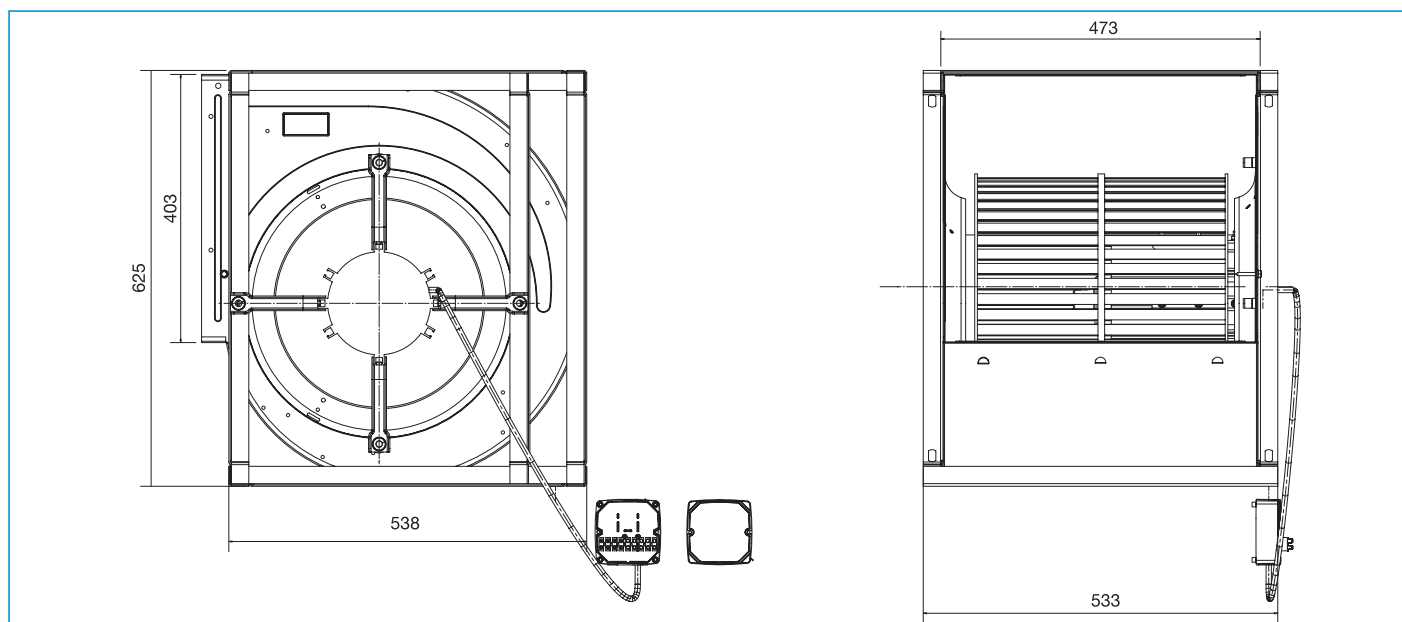


## ■ Dimensiones (mm)



| Model       | A   | B   | C   | D   | E   | F   | G   | H  | I   | J    | K     | L    | M  | N    | O | P   |
|-------------|-----|-----|-----|-----|-----|-----|-----|----|-----|------|-------|------|----|------|---|-----|
| CBM-180/180 | 269 | 233 | 328 | 309 | 145 | 210 | 225 | 49 | 314 | 57   | 333   | 28   | 15 | 10   | 6 | 188 |
| CBM-240/180 | 289 | 234 | 393 | 381 | 183 | 256 | 298 | 33 | 383 | 67   | 393   | 67   | 40 | 33   | 7 | 217 |
| CBM-240/240 | 345 | 300 | 392 | 380 | 184 | 260 | 296 | 35 | 382 | 68,5 | 395,5 | 68,5 | 39 | 34,5 | 6 | 218 |
| CBM-270/200 | 344 | 265 | 440 | 421 | 202 | 288 | 339 | 40 | 424 | 67   | 444   | 67   | 38 | 40   | 7 | 246 |
| CBM-270/270 | 379 | 334 | 440 | 421 | 202 | 288 | 339 | 40 | 424 | 67   | 444   | 67   | 38 | 40   | 7 | 246 |
| CBM-320/240 | 389 | 309 | 521 | 490 | 230 | 341 | 407 | 52 | 489 | 55   | 528,5 | 55   | 35 | 52   | 9 | 293 |
| CBM-320/320 | 433 | 396 | 521 | 490 | 230 | 341 | 407 | 52 | 489 | 55   | 528,5 | 55   | 35 | 52   | 9 | 293 |

## ■ Dimensiones modelo CBM 380/380 (mm)



## ■ Accesorios de montaje



Brida descarga CBM



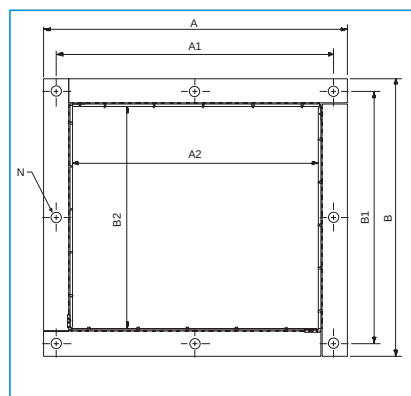
Pie soporte



Rejillas de protección

| Modelo                | Brida descarga CBM      | Pie soporte               | Rejillas de protección |
|-----------------------|-------------------------|---------------------------|------------------------|
| CBM-180/180-N         | Brida desc. CBM-180/180 | PIE SOPORTE CBM 7/7       | DEF-CBM-180            |
| CBM-240/180-N         | Brida desc. CBM-240/180 | PIE SOPORTE CBP/CBM 9/9   | DEF-CBM-240            |
| CBM/4-240/240-N-1/2CV | Brida desc. CBM-240/240 | PIE SOPORTE CBP/CBM 9/9   | DEF-CBM-240            |
| CBM/6-240/240-N-1/6CV | Brida desc. CBM-240/240 | PIE SOPORTE CBP/CBM 9/9   | DEF-CBM-240            |
| CBM/6-240/240-N-1/3CV | Brida desc. CBM-240/240 | PIE SOPORTE CBP/CBM 9/9   | DEF-CBM-240            |
| CBM/4-270/200-N-1/2CV | Brida desc. CBM-270/200 | PIE SOPORTE CBP/CBM 10/10 | DEF-CBM-270            |
| CBM/6-270/200-N-1/3CV | Brida desc. CBM-270/200 | PIE SOPORTE CBP/CBM 10/10 | DEF-CBM-270            |
| CBM/6-270/200-N-1/2CV | Brida desc. CBM-270/200 | PIE SOPORTE CBP/CBM 10/10 | DEF-CBM-270            |
| CBM/4-270/270-N-3/4CV | Brida desc. CBM-270/270 | PIE SOPORTE CBP/CBM 10/10 | DEF-CBM-270            |
| CBM/6-270/270-N-1/3CV | Brida desc. CBM-270/270 | PIE SOPORTE CBP/CBM 10/10 | DEF-CBM-270            |
| CBM/6-270/270-N-1/2CV | Brida desc. CBM-270/270 | PIE SOPORTE CBP/CBM 10/10 | DEF-CBM-270            |
| CBM-320/240-N         | Brida desc. CBM-320/240 | PIE SOPORTE CBP/CBM 12/12 | DEF-CBM-320            |
| CBM-320/320-N         | Brida desc. CBM-320/320 | PIE SOPORTE CBP/CBM 12/12 | DEF-CBM-320            |
| CBM-380/380-N         | —                       | —                         | DEF-CBM-380            |

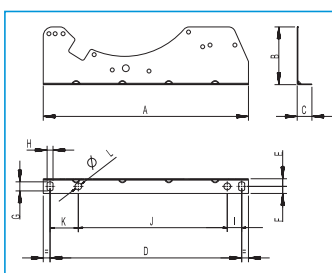
## ■ Dimensiones accesorios (mm)



| Brida descarga CBM      | A   | A1  | A2  | B   | B1  | B2  | N | NL |
|-------------------------|-----|-----|-----|-----|-----|-----|---|----|
| Brida desc. CBM-180/180 | 289 | 264 | 235 | 265 | 240 | 211 | 3 | 3  |
| Brida desc. CBM-240/180 | 289 | 264 | 235 | 311 | 286 | 257 | 3 | 3  |
| Brida desc. CBM-240/240 | 355 | 330 | 301 | 311 | 286 | 257 | 3 | 3  |
| Brida desc. CBM-270/200 | 320 | 295 | 266 | 343 | 318 | 289 | 3 | 3  |
| Brida desc. CBM-270/270 | 389 | 364 | 335 | 343 | 318 | 289 | 3 | 3  |
| Brida desc. CBM-320/240 | 364 | 332 | 310 | 399 | 374 | 345 | 3 | 3  |
| Brida desc. CBM-320/320 | 450 | 425 | 396 | 399 | 374 | 345 | 3 | 3  |



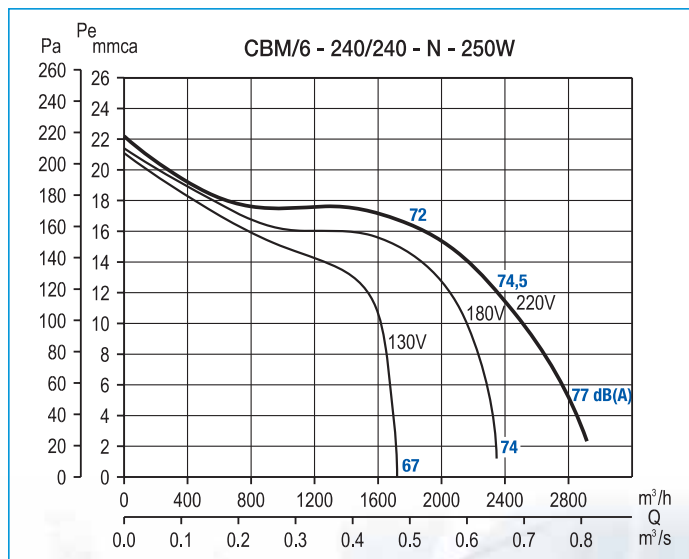
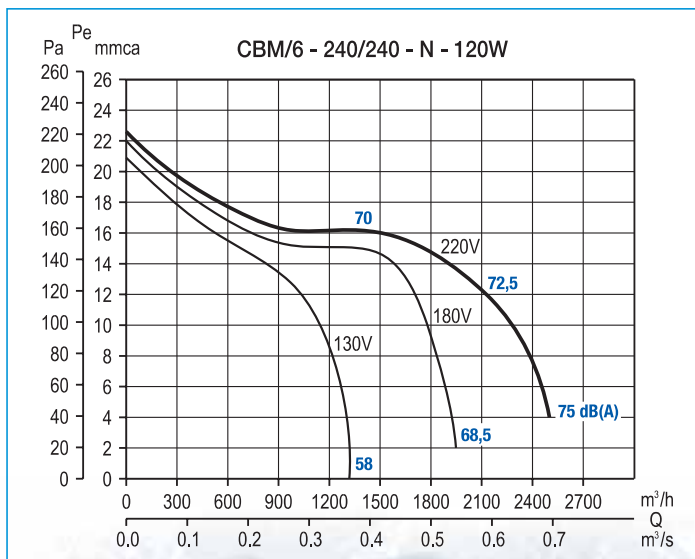
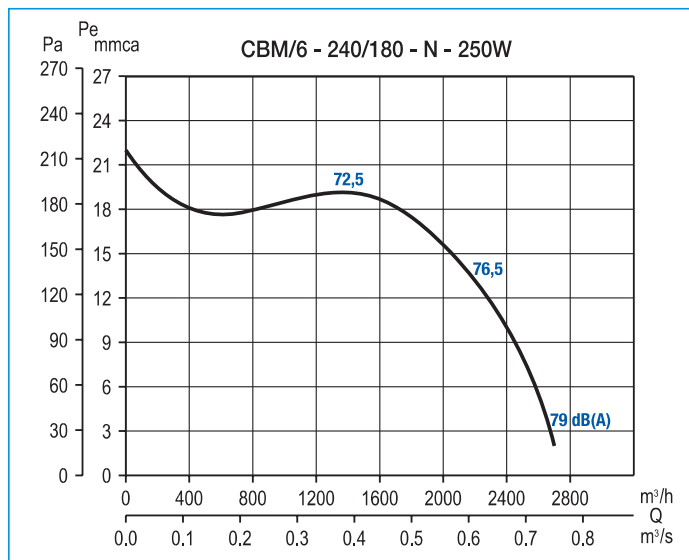
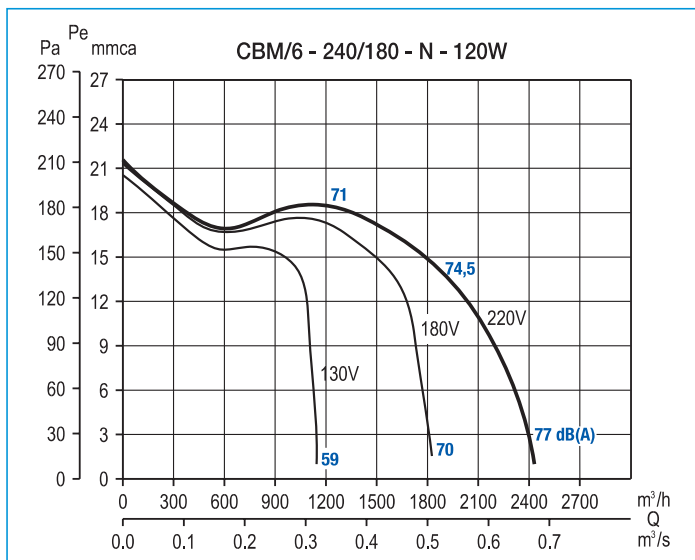
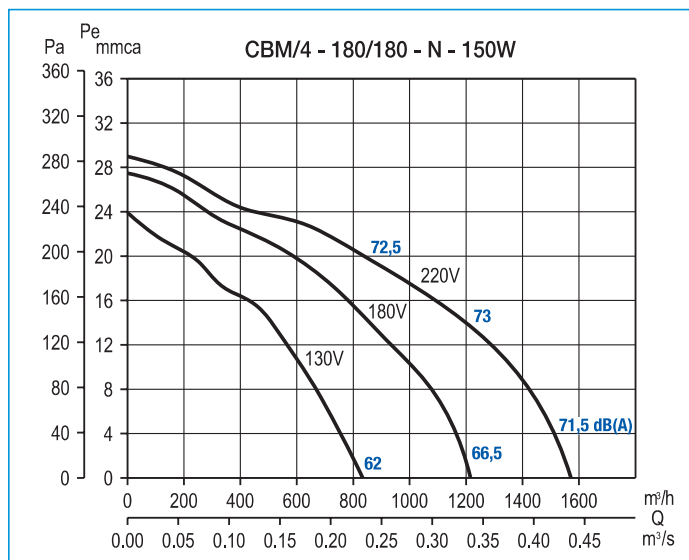
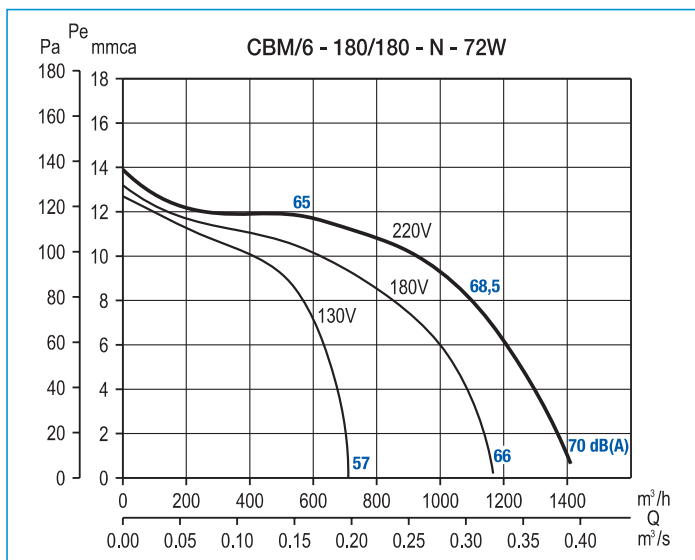
Pie soporte



| Modelo | A   | B   | C  | D   | E    | F    | G  | H    | I    | J     | K    | L    |
|--------|-----|-----|----|-----|------|------|----|------|------|-------|------|------|
| 7/     | 254 | 47  | 26 | 227 | 13,5 | 12,5 | 16 | 10,5 | 15   | 195   | 15   | 12   |
| 9/     | 325 | 102 | 26 | 297 | 13,5 | 12,5 | 16 | 10,5 | -    | -     | 35,7 | 10,5 |
| 10/    | 363 | 102 | 26 | 339 | 13,5 | 12,5 | 16 | 10,5 | 37,5 | 263,5 | 62   | 12   |
| 12/    | 434 | 144 | 26 | 407 | 13,5 | 12,5 | 16 | 10,5 | 48   | 333,5 | 25,5 | 12   |

## Curvas características

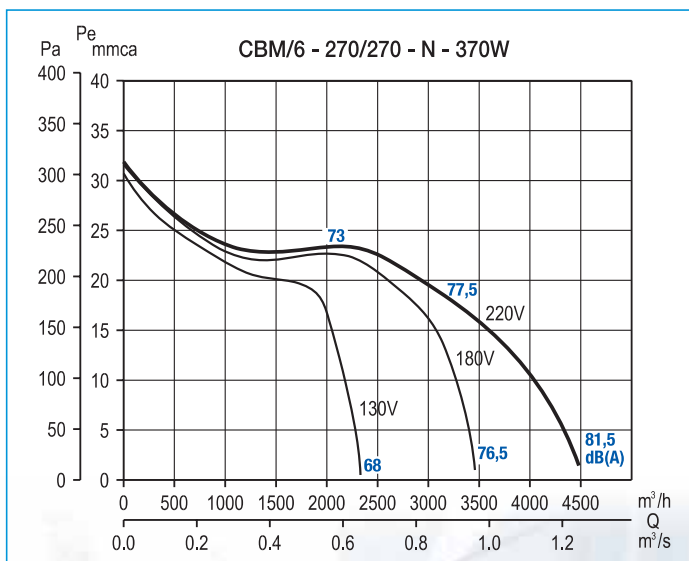
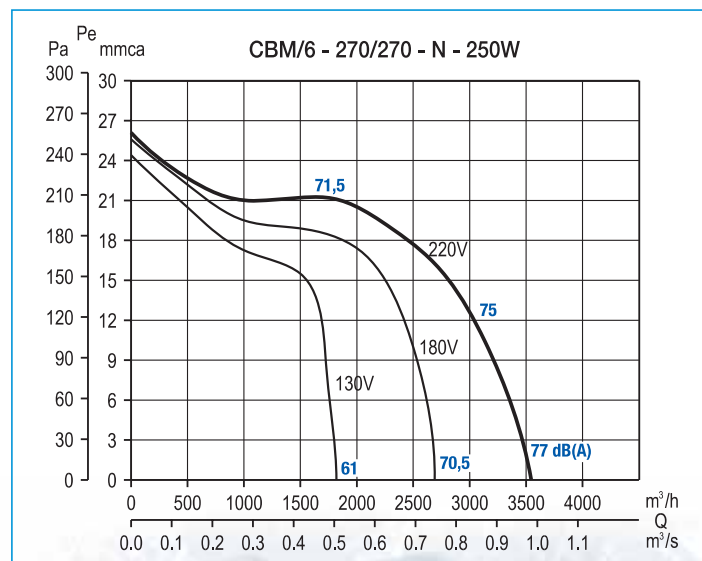
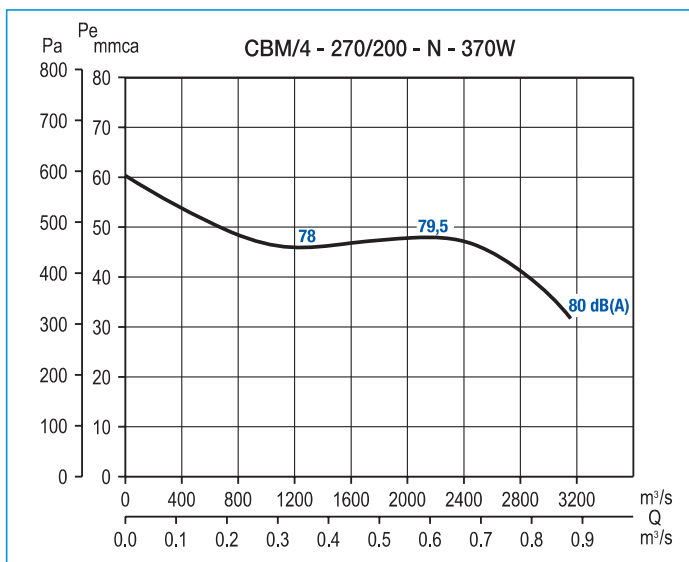
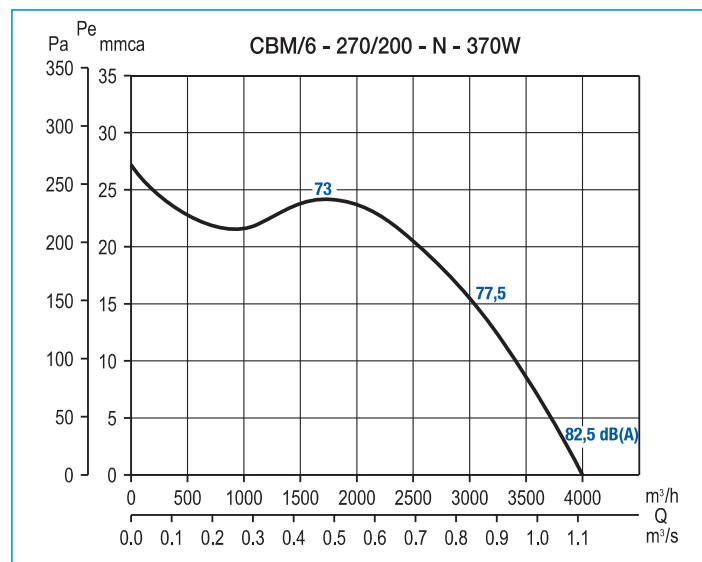
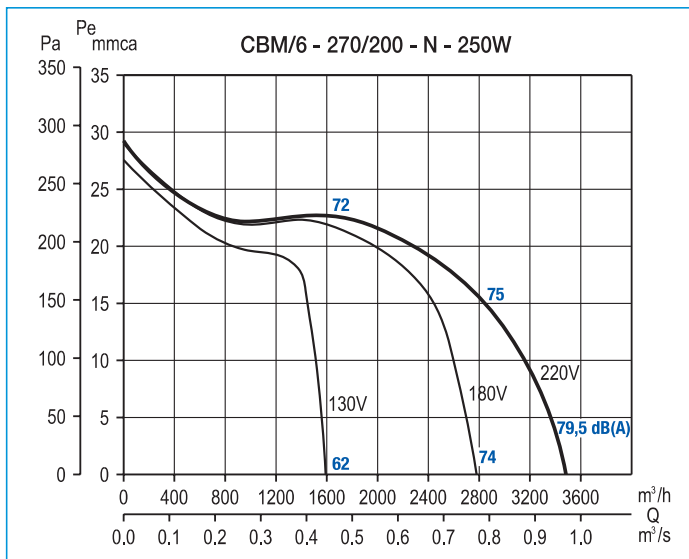
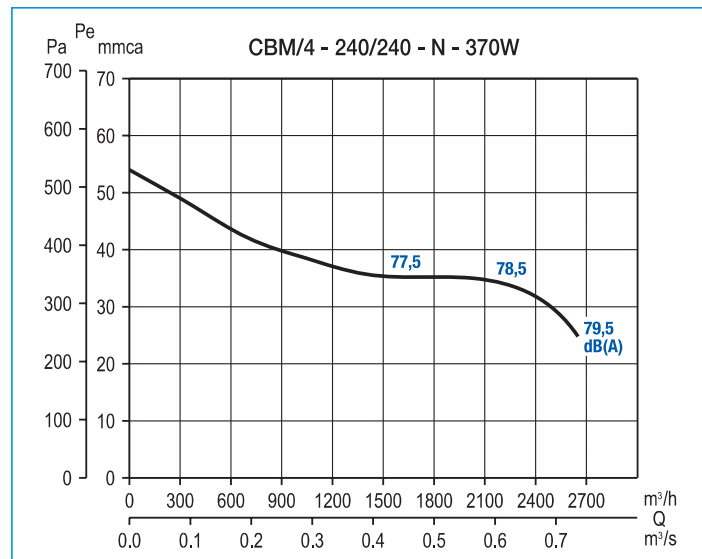
- Q = Caudal en m<sup>3</sup>/h y m<sup>3</sup>/s.
- Pe = Presión estática en mm.c.d.a y Pa.
- Aire seco normal a 20 °C y 760 mm c.d. Hg.
- Ensayos realizados de acuerdo a Normas UNE 100-212-89 BS 848, Part 1; AMCA 210-85 y ASHRAE 51-1985.



Curvas a diferentes tensiones obtenidas con un regulador electromecánico por transformador.

## ■ Curvas características - Serie CBM

- Q = Caudal en m<sup>3</sup>/h y m<sup>3</sup>/s.
- Pe = Presión estática en mm.c.d.a y Pa.
- Aire seco normal a 20 °C y 760 mm c.d. Hg.
- Ensayos realizados de acuerdo a Normas UNE 100-212-89 BS 848, Part 1; AMCA 210-85 y ASHRAE 51-1985.

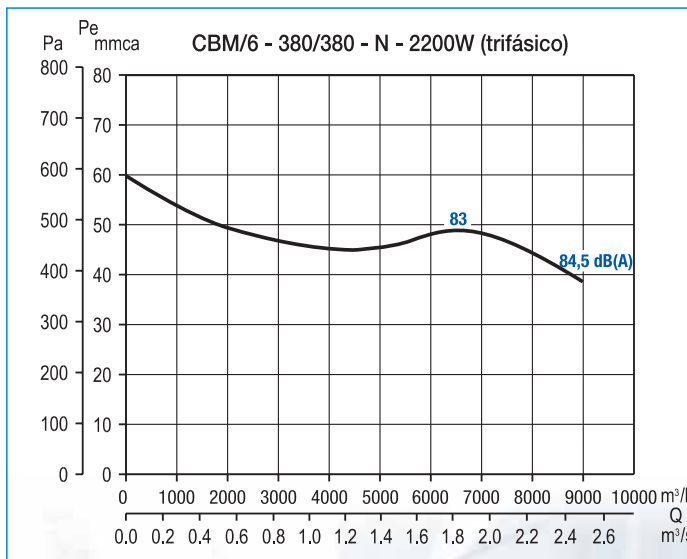
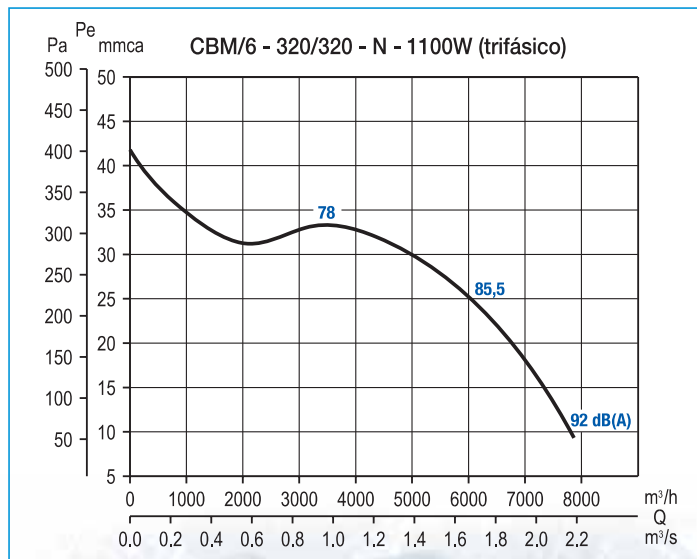
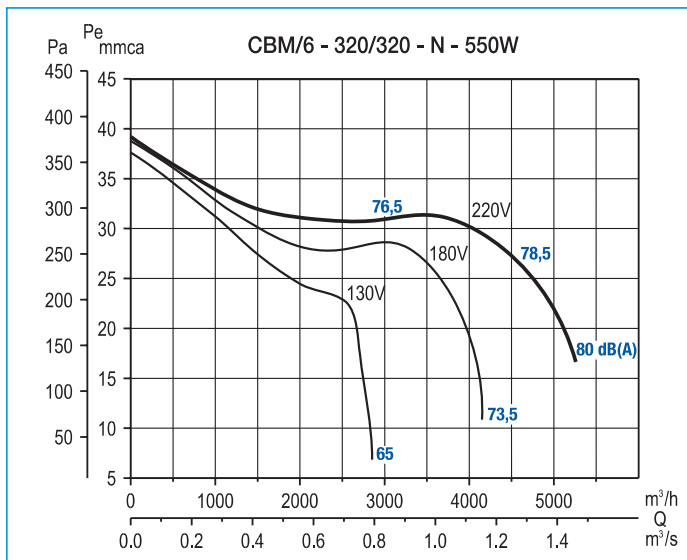
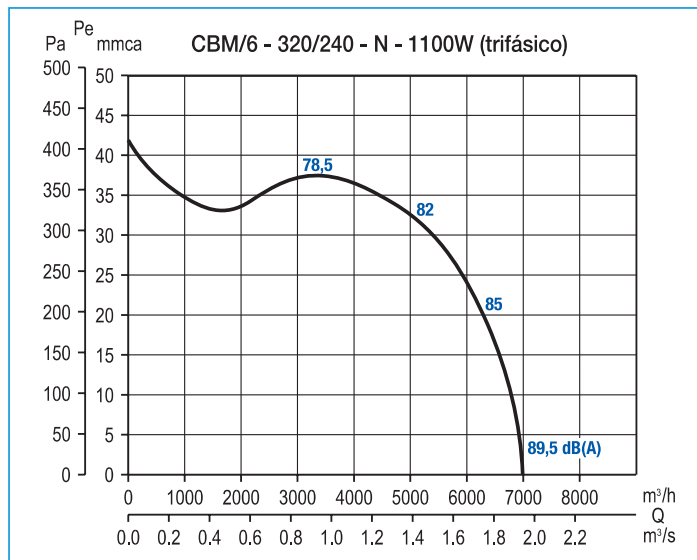
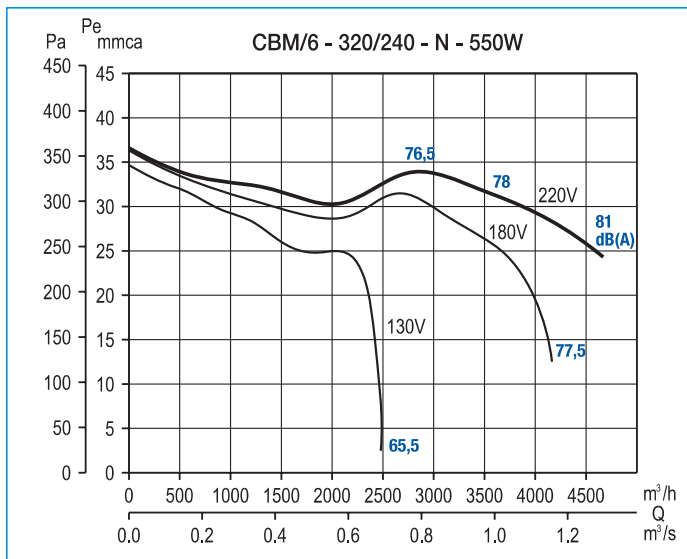
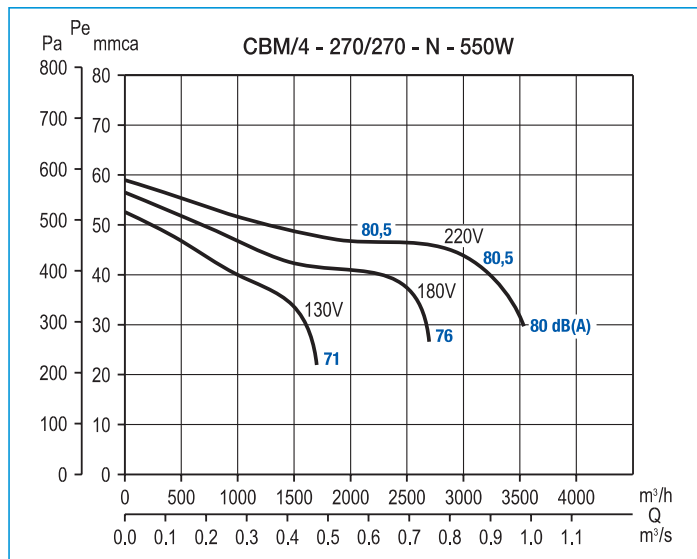


Curvas a diferentes tensiones obtenidas con un regulador electromecánico por transformador.



## Curvas características - Serie CBM

- Q = Caudal en m<sup>3</sup>/h y m<sup>3</sup>/s.
- Pe = Presión estática en mm.c.d.a y Pa.
- Aire seco normal a 20 °C y 760 mm c.d. Hg.
- Ensayos realizados de acuerdo a Normas UNE 100-212-89 BS 848, Part 1; AMCA 210-85 y ASHRAE 51-1985.



Curvas a diferentes tensiones obtenidas con un regulador electromecánico por transformador.