

# BOX LINE Q

Centrífugos de baja presión



Caja in-line con turbina centrífuga a reacción, aislada con panel sandwich. Dos versiones, Box Line Q para trasegar aire ambiente y Box Line Q HT para instalaciones de seguridad contra incendios según EN 12101-3 ("desenfumage") 400° 2 h.

### Características generales

- Caja de chapa galvanizada.
- Rodete, álabes hacia atrás, en chapa galvanizada.
- Panel aislante de lana mineral de 50 mm de grosor con material aislante de densidad 70 kg/m<sup>3</sup>.
- Paneles intercambiables que permiten ubicar la descarga en cuatro laterales distintos.

### Características específicas BOX LINE Q

- Motores con aislamiento clase F y protección IP55.

### Características específicas BOX LINE Q HT

- Motores trifásicos clase H, IP55, certificados EN 12101-3, funcionamiento S1 y S2. Categoría EX II 3G Eex Na IIA T3.

### Opciones:

- Conjuntos especiales según demanda.



## BOX LINE Q

400V 50Hz (III~) 1.400 r.p.m. (n: min-1)

|                          |            |                   |       |       |        | ERP2015               |          |        |       |               |
|--------------------------|------------|-------------------|-------|-------|--------|-----------------------|----------|--------|-------|---------------|
|                          |            | m <sup>3</sup> /h | kW    | Amp.  | dB (A) | Q [m <sup>3</sup> /s] | Psf [Pa] | Pe [W] | η [%] | η ERP2015 [%] |
| <b>BOX LINE Q 4-315T</b> | BOXLQ4314  | 2.147             | 0,18  | 0,80  | 45     | 0,48                  | 169      | 185    | 43,9  | 43,8          |
| <b>BOX LINE Q 4-350T</b> | BOXLQ4350T | 2.953             | 0,37  | 1,14  | 50     | 0,67                  | 263      | 300    | 58,9  | 46,0          |
| <b>BOX LINE Q 4-400T</b> | BOXLQ4400T | 4.400             | 0,55  | 1,60  | 56     | 0,97                  | 293      | 491    | 57,9  | 48,3          |
| <b>BOX LINE Q 4-450T</b> | BOXLQ4450T | 5.683             | 0,75  | 2,49  | 60     | 1,30                  | 331      | 733    | 59,0  | 50,1          |
| <b>BOX LINE Q 4-500T</b> | BOXLQ4500T | 8.031             | 1,10  | 5,02  | 63     | 1,59                  | 481      | 1.242  | 61,6  | 52,5          |
| <b>BOX LINE Q 4-560T</b> | BOXLQ4560T | 11.278            | 2,20  | 5,02  | 67     | 2,23                  | 603      | 2.124  | 63,5  | 54,9          |
| <b>BOX LINE Q 4-630T</b> | BOXLQ4630T | 18.146            | 4,00  | 8,32  | 71     | 3,29                  | 829      | 4.335  | 63,0  | 58,2          |
| <b>BOX LINE Q 4-710T</b> | BOXLQ4710T | 26.752            | 7,50  | 14,10 | 74     | 4,57                  | 1.147    | 7.961  | 65,9  | 61,0          |
| <b>BOX LINE Q 4-800T</b> | BOXLQ4800T | 37.754            | 15,00 | 28,70 | 78     | 6,72                  | 1.411    | 14.194 | 66,8  | 62,3          |

400V 50Hz (III~) 1.000 r.p.m. (n: min-1)

|                          |            |                   |      |      |        | ERP2015               |          |        |       |               |
|--------------------------|------------|-------------------|------|------|--------|-----------------------|----------|--------|-------|---------------|
|                          |            | m <sup>3</sup> /h | kW   | Amp. | dB (A) | Q [m <sup>3</sup> /s] | Psf [Pa] | Pe [W] | η [%] | η ERP2015 [%] |
| <b>BOX LINE Q 6-500T</b> | BOXLQ6500T | 5.354             | 0,37 | 1,91 | 54     | 1,05                  | 219      | 452    | 50,6  | 47,9          |
| <b>BOX LINE Q 6-560T</b> | BOXLQ6560T | 7.518             | 0,75 | 2,93 | 58     | 1,45                  | 280      | 712    | 57,0  | 50,0          |
| <b>BOX LINE Q 6-630T</b> | BOXLQ6630T | 12.097            | 1,10 | 3,91 | 62     | 2,19                  | 369      | 1.392  | 58,1  | 53,0          |
| <b>BOX LINE Q 6-710T</b> | BOXLQ6710T | 17.834            | 2,20 | 6,25 | 65     | 3,05                  | 510      | 2.517  | 61,8  | 55,7          |
| <b>BOX LINE Q 6-800T</b> | BOXLQ6800T | 25.169            | 4,00 | 9,96 | 69     | 4,48                  | 627      | 4.513  | 62,3  | 58,4          |

## BOX LINE Q HT

400V 50Hz (III~) 1.400 r.p.m. (n: min-1)

|                             |              | m <sup>3</sup> /h | kW   | Amp. | dB (A) |
|-----------------------------|--------------|-------------------|------|------|--------|
| <b>BOX LINE Q HT 4-315T</b> | BOXLQHT4314T | 2.147             | 0,18 | 0,80 | 45     |
| <b>BOX LINE Q HT 4-350T</b> | BOXLQHT4350T | 2.953             | 0,37 | 1,14 | 50     |
| <b>BOX LINE Q HT 4-400T</b> | BOXLQHT4400T | 4.400             | 0,55 | 1,60 | 56     |
| <b>BOX LINE Q HT 4-450T</b> | BOXLQHT4450T | 5.683             | 1,10 | 2,49 | 60     |

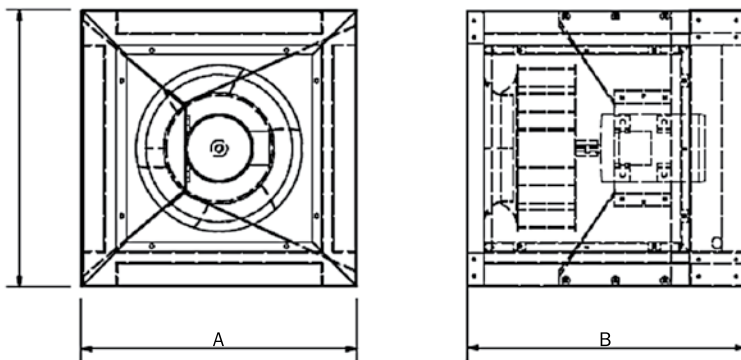
400V 50Hz (III~) 900 r.p.m. (n: min-1)

|                             |              | m <sup>3</sup> /h | kW   | Amp. | dB (A) |
|-----------------------------|--------------|-------------------|------|------|--------|
| <b>BOX LINE Q HT 6-560T</b> | BOXLQHT6560T | 7.518             | 1,10 | 2,93 | 58     |
| <b>BOX LINE Q HT 6-630T</b> | BOXLQHT6630T | 12.097            | 1,50 | 3,91 | 62     |
| <b>BOX LINE Q HT 6-710T</b> | BOXLQHT6710T | 17.834            | 2,20 | 6,25 | 65     |
| <b>BOX LINE Q HT 6-800T</b> | BOXLQHT6800T | 25.169            | 4,00 | 9,96 | 69     |

Octave band

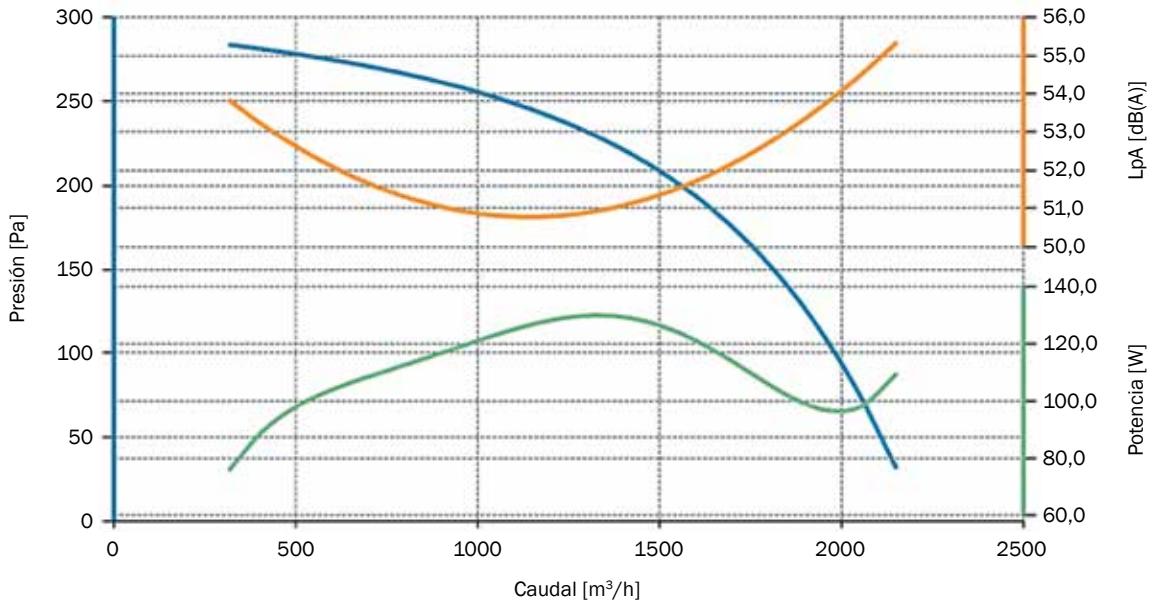
| Hz         | 63   | 125  | 250   | 500   | 1000  | 2000  | 4000  | 8000  |
|------------|------|------|-------|-------|-------|-------|-------|-------|
| <b>315</b> | -6,5 | -2,4 | -9,0  | -11,4 | -15,4 | -19,4 | -23,4 | -26,4 |
| <b>350</b> | -6,5 | -2,4 | -9,1  | -11,5 | -15,5 | -19,5 | -23,5 | -26,4 |
| <b>400</b> | -6,6 | -2,4 | -9,3  | -11,7 | -15,8 | -19,8 | -23,7 | -26,7 |
| <b>450</b> | -6,6 | -2,5 | -9,4  | -11,9 | -16,0 | -20,0 | -23,9 | -26,9 |
| <b>500</b> | -6,8 | -2,6 | -9,7  | -12,3 | -16,4 | -20,4 | -24,3 | -27,2 |
| <b>560</b> | -6,8 | -2,6 | -9,7  | -12,3 | -16,4 | -20,4 | -24,3 | -27,2 |
| <b>630</b> | -7,1 | -2,8 | -10,4 | -13,2 | -17,4 | -21,4 | -25,2 | -28,2 |
| <b>710</b> | -7,3 | -3,0 | -10,8 | -13,8 | -18,0 | -22,0 | -25,8 | -28,8 |
| <b>800</b> | -7,6 | -3,2 | -11,4 | -14,6 | -18,8 | -22,8 | -26,6 | -29,6 |

## DIMENSIONES

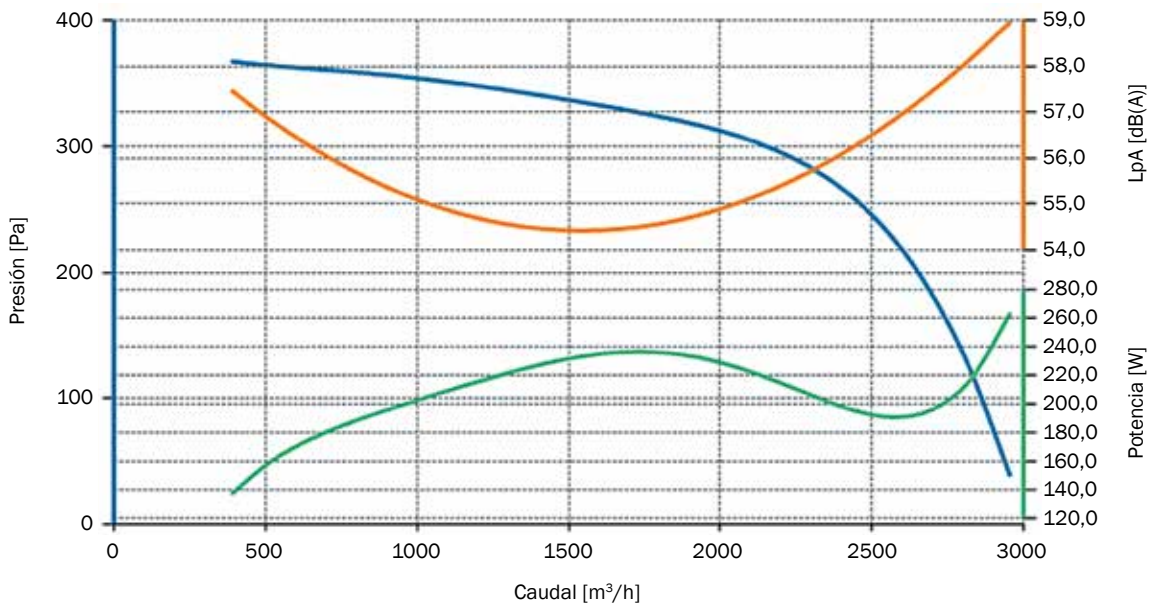


| Modelo     | Ø Turbina [mm] | A [mm] | B [mm] |
|------------|----------------|--------|--------|
| <b>315</b> | 315            | 600    | 600    |
| <b>355</b> | 355            | 620    | 620    |
| <b>400</b> | 400            | 666    | 671    |
| <b>450</b> | 450            | 706    | 710    |
| <b>500</b> | 560            | 768    | 772    |
| <b>560</b> | 560            | 768    | 772    |
| <b>630</b> | 630            | 920    | 920    |
| <b>710</b> | 710            | 1000   | 1000   |
| <b>800</b> | 800            | 1099   | 1103   |

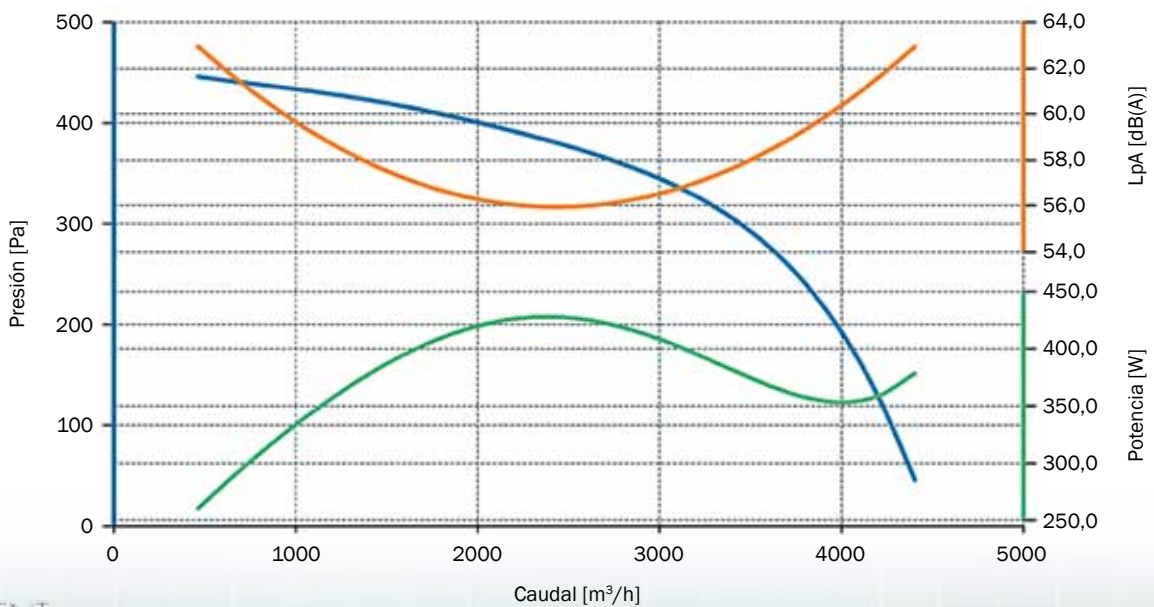
**4-315**

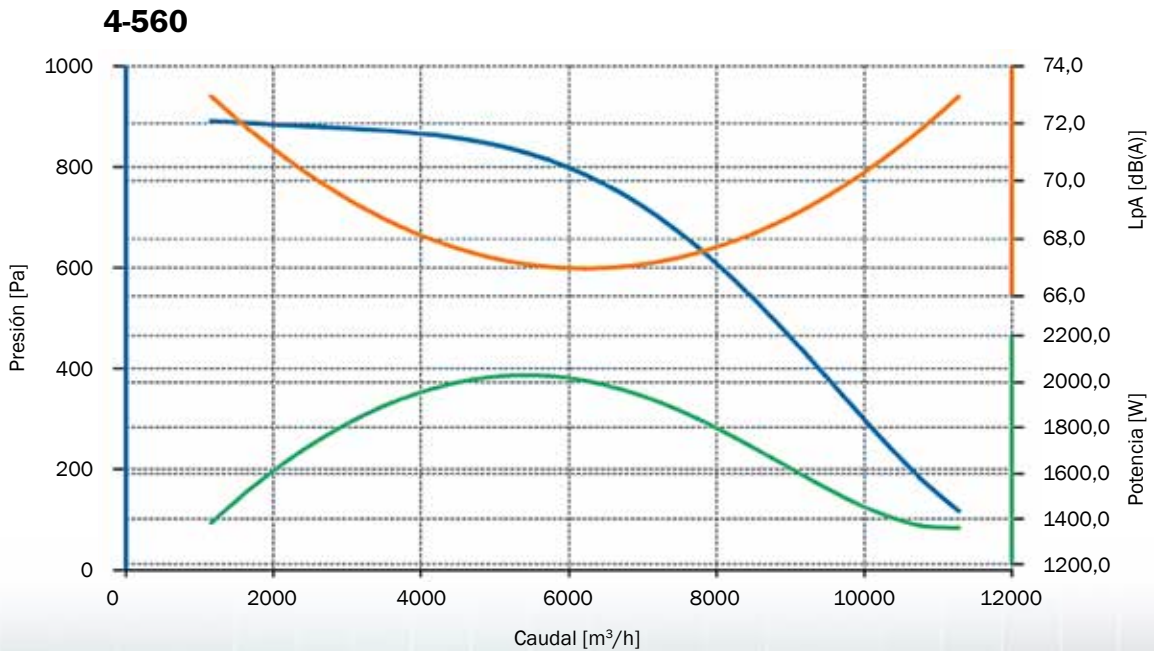
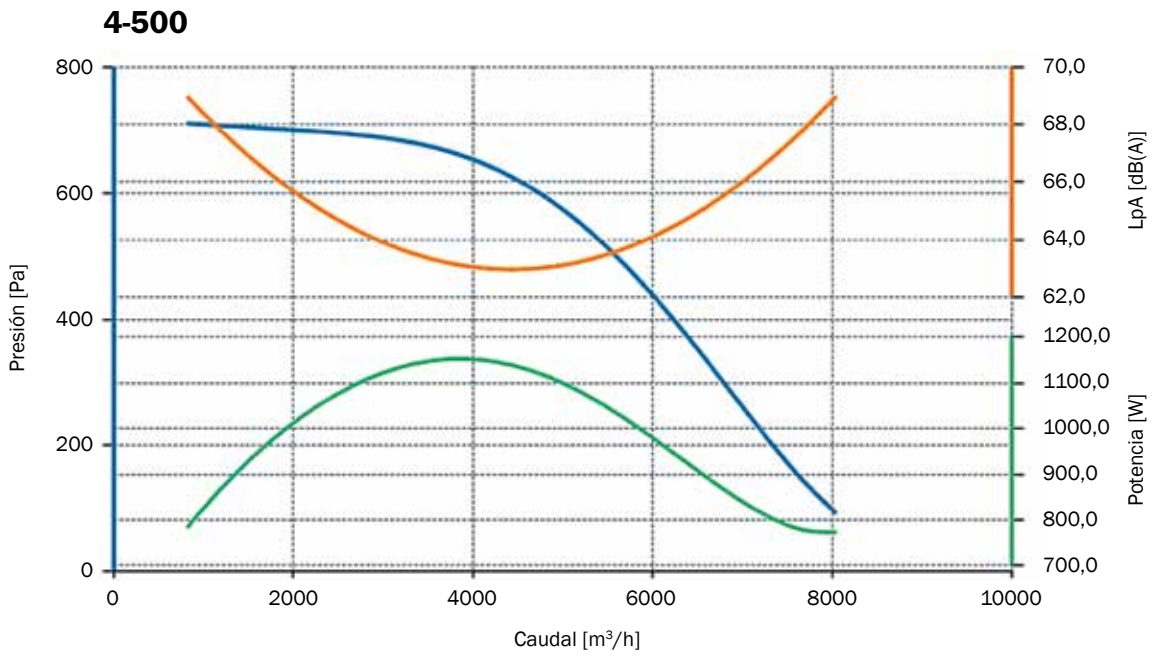
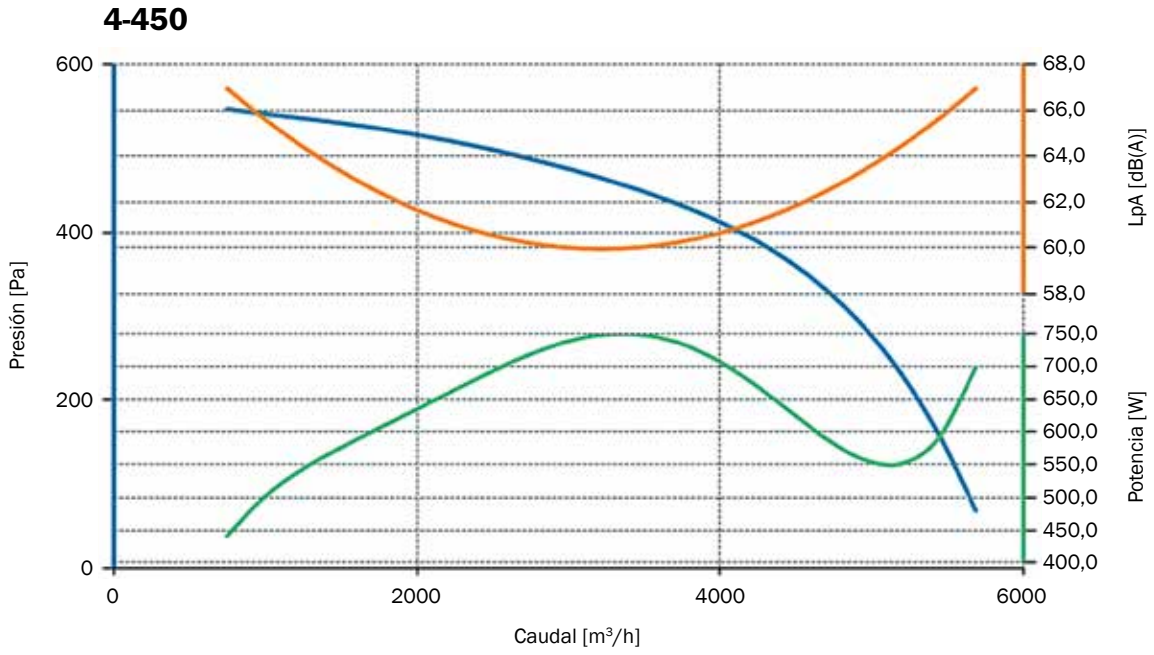


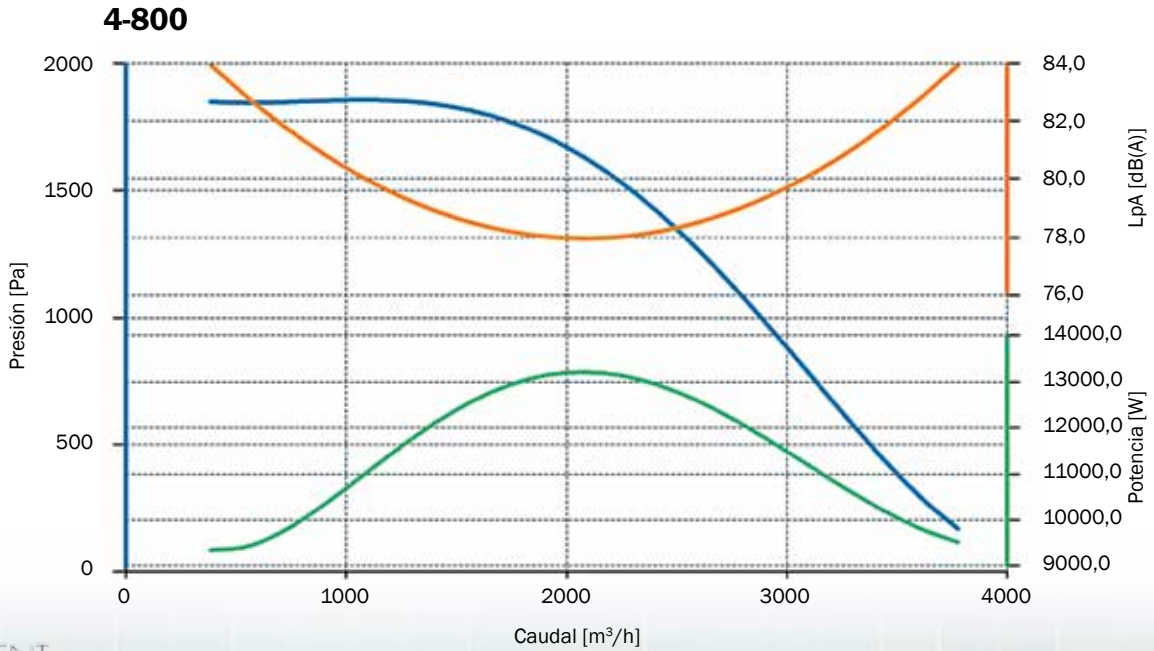
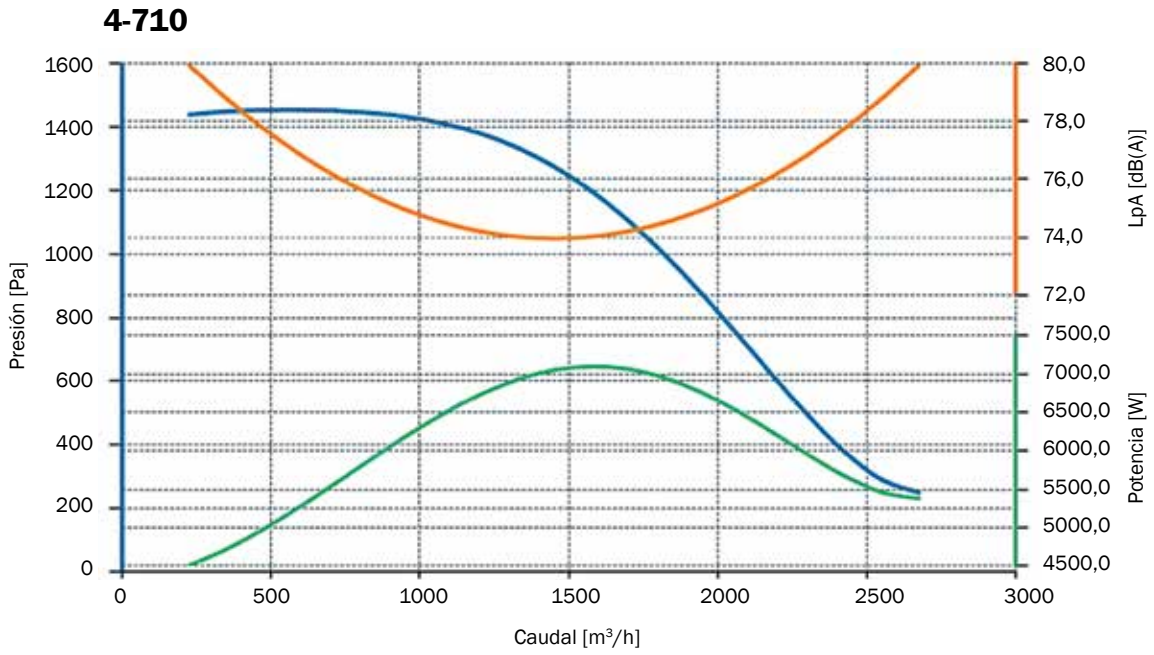
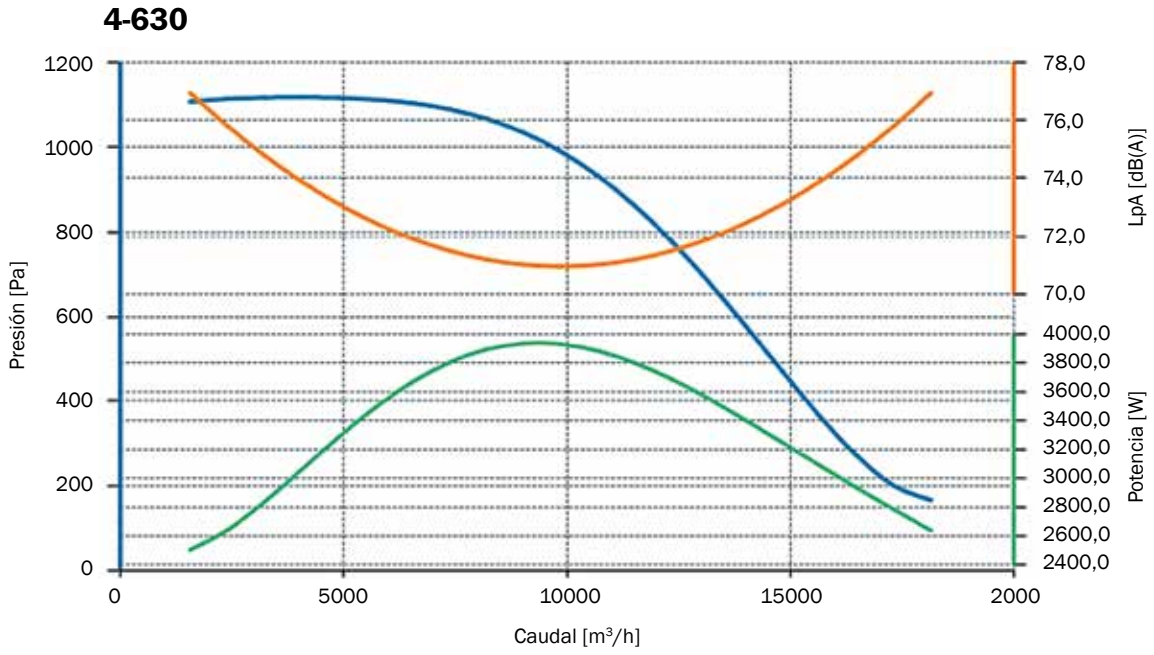
**4-355**

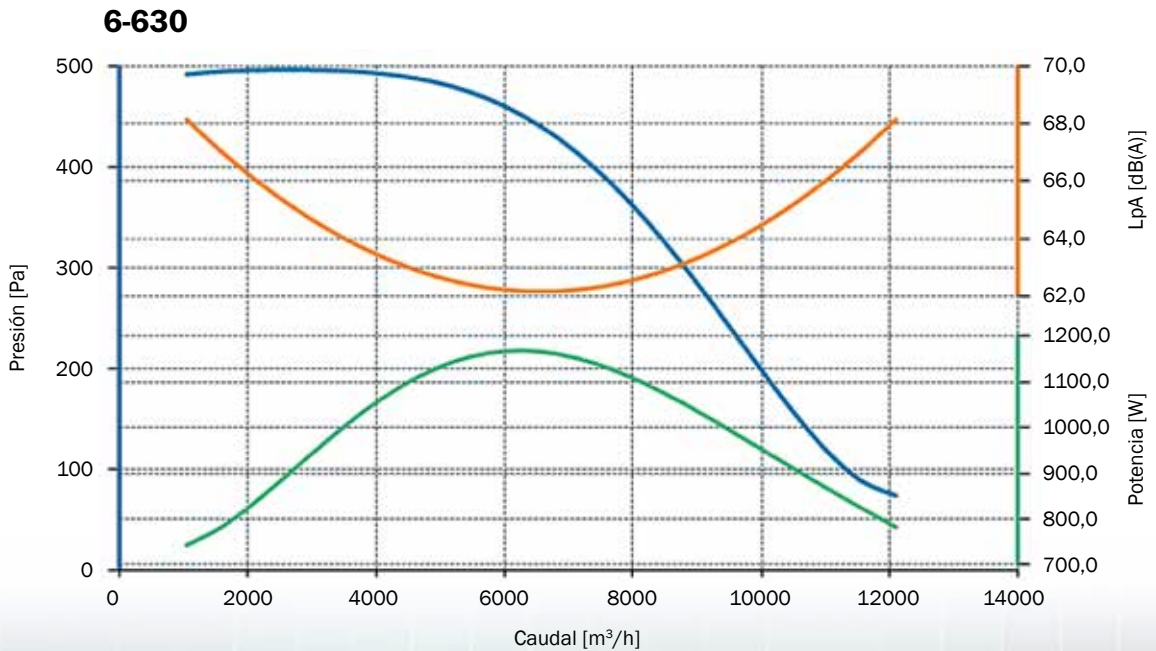
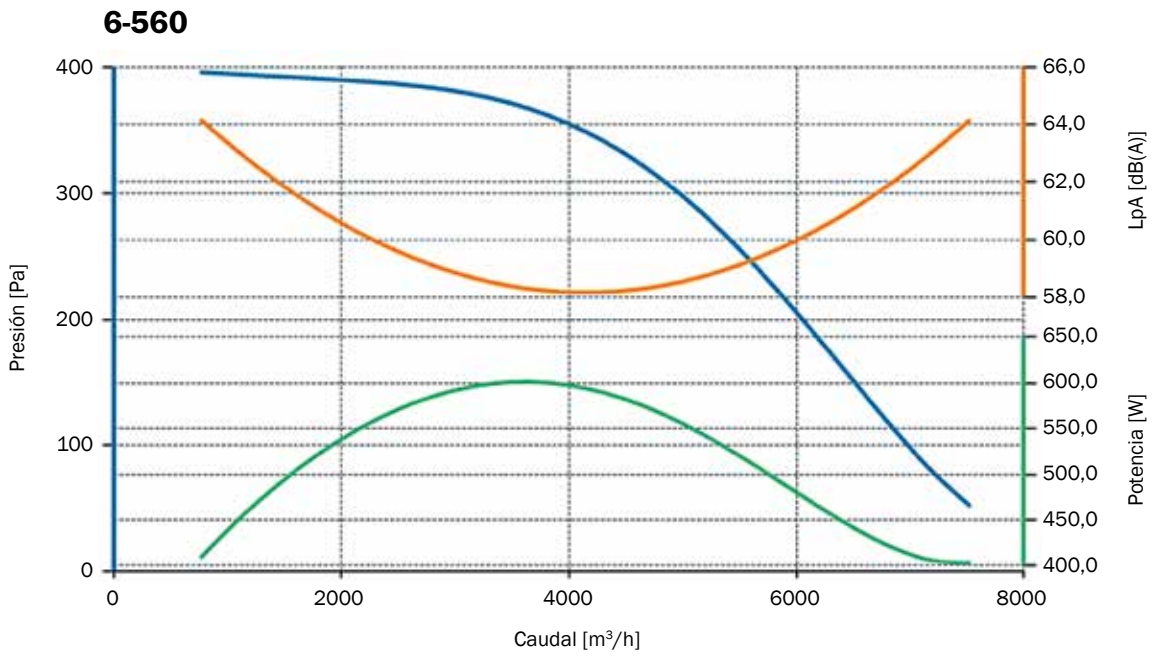
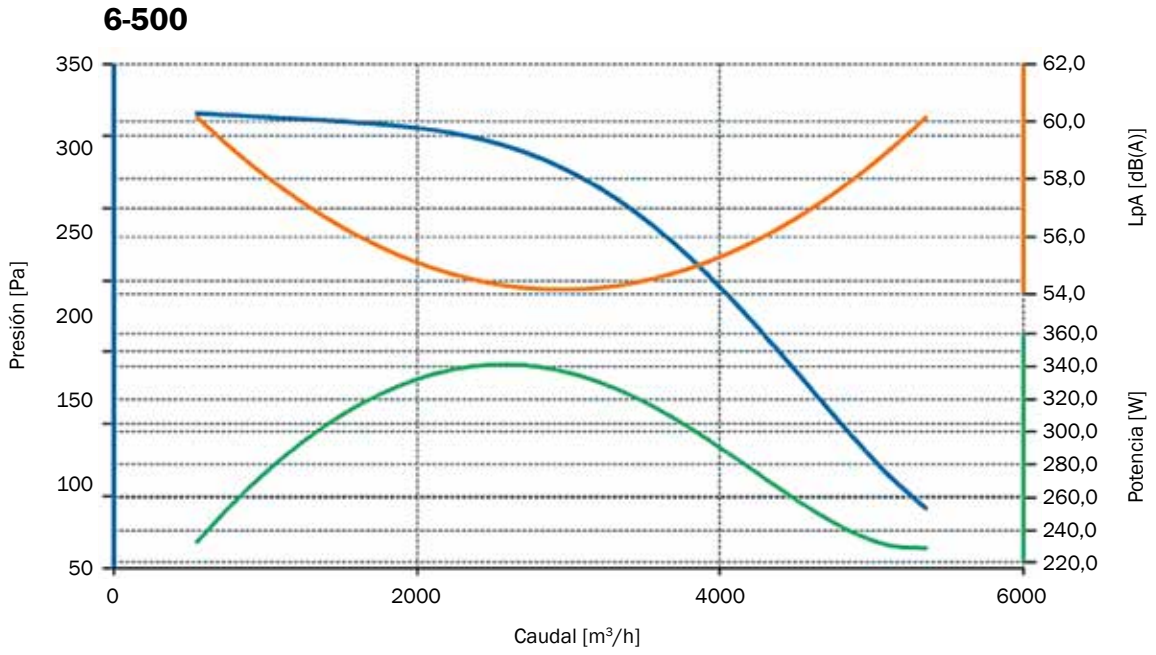


**4-400**

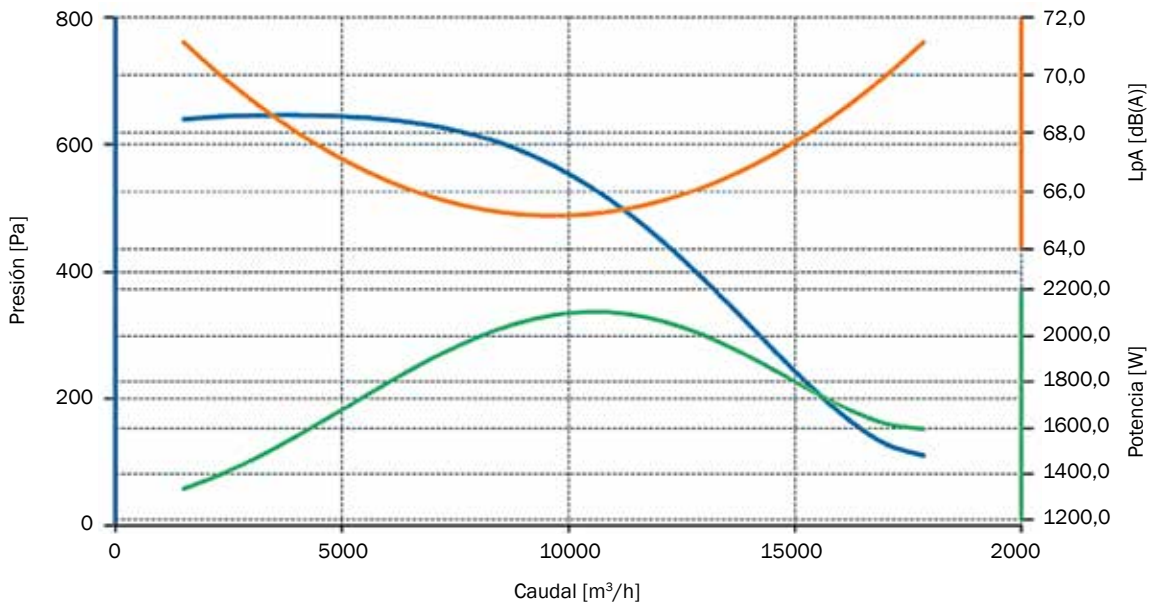








**6-710**



**6-800**

