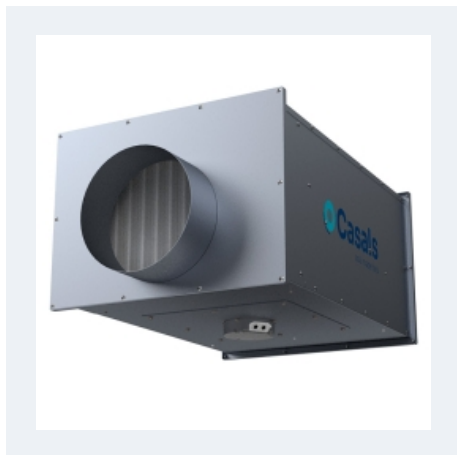


## SBC-3 FILTER EEC



### CENTRIFUGAL FAN IN LOW PROFILE BOX WITH CIRCULAR FLANGES AND FILTER(S), WITH EXTERNAL ROTOR EC MOTOR

#### MANUFACTURING FEATURES

Inline ventilation box made of galvanized steel with circular connection flanges. Self-cleaning impeller with back curved (reaction) blades of high performance and single inlet, direct driven. Dynamically balanced to minimize noise and vibrations. Polyamide reinforced impeller for models 125, 150 and 160 and aluminum plate for the rest.

High efficiency (IE4 for three phase motors and IE5 for single motors), low noise external rotor EC motor. Speed control through a 0-10V or PWM signal. Single-phase 230V 50 / 60Hz power supply for models 125 to 355 and three-phase 400V 50/60Hz for sizes 400 to 560. IP44 motor and class B insulation. Supplied with a filtration stage ISO COARSE $\geq$ 60% (G4) or 2 stages ISO COARSE $\geq$ 60% (G4) and ISO ePM1 $\geq$ 50% (F7).

Easily accessible inspection and cleaning register.

## Accessories



**BA-400**



**BDC**



**CFF**



**CFGF**



**CHEF**



**INT**



**PMR**



**REGC**



**TEJ  
SB-3**



**VISC**

#### APPLICATIONS

Designed for installation in ducts, they are indicated for:

- Air renovations in bathrooms and small rooms.
- Perfect for false ceiling mounting.

Working temperature range from -20°C to 60°C.

## Technical data

### Single-phase motor

| Code          | Model                                                | R.P.M. | Rated I.<br>A 230V | Rated<br>power<br>kW | Max.<br>Airflow<br>m <sup>3</sup> /h | Sound<br>db (A)** | Weight<br>kg | Connect.<br>diagram |
|---------------|------------------------------------------------------|--------|--------------------|----------------------|--------------------------------------|-------------------|--------------|---------------------|
| SBC3125ECG4   | SBC-3 FILTER (ISO Coarse≥60%)<br>125 EEC             | 3950   | 0,25               | 0,06                 | 320                                  | -                 | 7            | 1                   |
| SBC3150ECG4   | SBC-3 FILTER (ISO Coarse≥60%)<br>150 EEC             | 3570   | 0,6                | 0,09                 | 525                                  | -                 | 11,50        | 1                   |
| SBC3160ECG4   | SBC-3 FILTER (ISO Coarse≥60%)<br>160 EEC             | 3570   | 0,6                | 0,09                 | 570                                  | -                 | 11,50        | 1                   |
| SBC3200ECG4   | SBC-3 FILTER (ISO Coarse≥60%)<br>200 EEC             | 2500   | 1,00               | 0,15                 | 1.060                                | -                 | 19           | 1                   |
| SBC3250ECG4   | SBC-3 FILTER (ISO Coarse≥60%)<br>250 EEC             | 2500   | 1,00               | 0,15                 | 1.340                                | -                 | 19           | 1                   |
| SBC3315ECG4   | SBC-3 FILTER (ISO Coarse≥60%)<br>315 EEC             | 2500   | 1,00               | 0,15                 | 1.480                                | -                 | 19           | 1                   |
| SBC3355ECG4   | SBC-3 FILTER (ISO Coarse≥60%)<br>355 EEC             | 2350   | 1,7                | 0,36                 | 2.600                                | -                 | 29,50        | 2                   |
| SBC3125ECG4F7 | SBC-3 FILTER (ISO<br>Coarse≥60%+ePM1≥50%) 125<br>EEC | 3950   | 0,25               | 0,06                 | 255                                  | -                 | 9            | 1                   |
| SBC3150ECG4F7 | SBC-3 FILTER (ISO<br>Coarse≥60%+ePM1≥50%) 150<br>EEC | 3570   | 0,6                | 0,09                 | 455                                  | -                 | 15,50        | 1                   |
| SBC3160ECG4F7 | SBC-3 FILTER (ISO<br>Coarse≥60%+ePM1≥50%) 160<br>EEC | 3570   | 0,6                | 0,09                 | 490                                  | -                 | 15,50        | 1                   |
| SBC3200ECG4F7 | SBC-3 FILTER (ISO<br>Coarse≥60%+ePM1≥50%) 200<br>EEC | 2500   | 1,00               | 0,15                 | 880                                  | -                 | 25           | 1                   |
| SBC3250ECG4F7 | SBC-3 FILTER (ISO<br>Coarse≥60%+ePM1≥50%) 250<br>EEC | 2500   | 1,00               | 0,15                 | 1.050                                | -                 | 25           | 1                   |
| SBC3315ECG4F7 | SBC-3 FILTER (ISO<br>Coarse≥60%+ePM1≥50%) 315<br>EEC | 2500   | 1,00               | 0,15                 | 1.115                                | -                 | 25           | 1                   |
| SBC3355ECG4F7 | SBC-3 FILTER (ISO<br>Coarse≥60%+ePM1≥50%) 355<br>EEC | 2350   | 1,7                | 0,36                 | 2.180                                | -                 | 37,50        | 2                   |

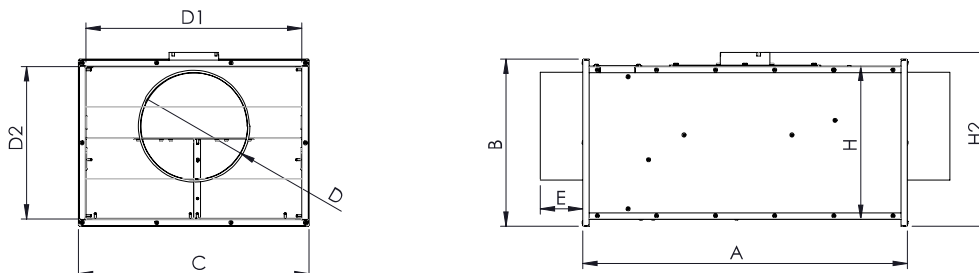
### Three-phase motor

| Code          | Model                                                | R.P.M. | Rated I.<br>A 400V | Rated power<br>kW | Max.<br>Airflow<br>m³/h | Sound<br>db<br>(A)** | Weight<br>kg | Connect.<br>diagram |
|---------------|------------------------------------------------------|--------|--------------------|-------------------|-------------------------|----------------------|--------------|---------------------|
| SBC3400ECG4   | SBC-3 FILTER (ISO Coarse≥60%)<br>400 EEC             | 2100   | 1,63               | 0,99              | 3.925                   | -                    | 49           | 3                   |
| SBC3450ECG4   | SBC-3 FILTER (ISO Coarse≥60%)<br>450 EEC             | 2100   | 1,63               | 0,99              | 4.580                   | -                    | 49           | 3                   |
| SBC3500ECG4   | SBC-3 FILTER (ISO Coarse≥60%)<br>500 EEC             | 1450   | 1,67               | 1,01              | 5.450                   | -                    | 66           | 3                   |
| SBC3560ECG4   | SBC-3 FILTER (ISO Coarse≥60%)<br>560 EEC             | 1450   | 1,67               | 1,01              | 5.620                   | -                    | 66           | 3                   |
| SBC3400ECG4F7 | SBC-3 FILTER (ISO<br>Coarse≥60%+ePM1≥50%) 400<br>EEC | 2100   | 1,63               | 0,99              | 3.420                   | -                    | 59           | 3                   |
| SBC3450ECG4F7 | SBC-3 FILTER (ISO<br>Coarse≥60%+ePM1≥50%) 450<br>EEC | 2100   | 1,63               | 0,99              | 3.950                   | -                    | 59           | 3                   |
| SBC3500ECG4F7 | SBC-3 FILTER (ISO<br>Coarse≥60%+ePM1≥50%) 500<br>EEC | 1450   | 1,67               | 1,01              | 4.770                   | -                    | 78           | 3                   |
| SBC3560ECG4F7 | SBC-3 FILTER (ISO<br>Coarse≥60%+ePM1≥50%) 560<br>EEC | 1450   | 1,67               | 1,01              | 4.930                   | -                    | 78           | 3                   |

**Notes:**

\*\* Total sound pressure level at the point of maximum flow measured in dB(A) in the suction measured in free field at a distance of 6m from the source

## Dimensions



| Model                                                        | A    | B   | C   | D   | D1  | D2  | E  | H   | H2    |
|--------------------------------------------------------------|------|-----|-----|-----|-----|-----|----|-----|-------|
| SBC-3 FILTER (ISO Coarse $\geq$ 60%) 125 EEC                 | 522  | 184 | 334 | 125 | 300 | 150 | 98 | 154 | 196   |
| SBC-3 FILTER (ISO Coarse $\geq$ 60%) 150 EEC                 | 622  | 234 | 434 | 150 | 400 | 200 | 98 | 204 | 245.5 |
| SBC-3 FILTER (ISO Coarse $\geq$ 60%) 160 EEC                 | 622  | 234 | 434 | 160 | 400 | 200 | 98 | 204 | 245.5 |
| SBC-3 FILTER (ISO Coarse $\geq$ 60%) 200 EEC                 | 752  | 387 | 534 | 200 | 500 | 353 | 98 | 357 | 402.5 |
| SBC-3 FILTER (ISO Coarse $\geq$ 60%) 250 EEC                 | 752  | 387 | 534 | 250 | 500 | 353 | 98 | 357 | 402.5 |
| SBC-3 FILTER (ISO Coarse $\geq$ 60%) 315 EEC                 | 752  | 387 | 534 | 315 | 500 | 353 | 98 | 357 | 402.5 |
| SBC-3 FILTER (ISO Coarse $\geq$ 60%) 355 EEC                 | 902  | 434 | 634 | 355 | 600 | 400 | 98 | 405 | 463   |
| SBC-3 FILTER (ISO Coarse $\geq$ 60%) 400 EEC                 | 1052 | 534 | 734 | 400 | 700 | 500 | 98 | 505 | 576   |
| SBC-3 FILTER (ISO Coarse $\geq$ 60%) 450 EEC                 | 1052 | 534 | 734 | 450 | 700 | 500 | 98 | 505 | 576   |
| SBC-3 FILTER (ISO Coarse $\geq$ 60%) 500 EEC                 | 1352 | 635 | 834 | 500 | 800 | 601 | 98 | 606 | 677   |
| SBC-3 FILTER (ISO Coarse $\geq$ 60%) 560 EEC                 | 1352 | 635 | 834 | 560 | 800 | 601 | 98 | 606 | 677   |
| SBC-3 FILTER (ISO Coarse $\geq$ 60%+ePM1 $\geq$ 50%) 125 EEC | 522  | 184 | 334 | 125 | 300 | 150 | 98 | 154 | 196   |
| SBC-3 FILTER (ISO Coarse $\geq$ 60%+ePM1 $\geq$ 50%) 150 EEC | 622  | 234 | 434 | 150 | 400 | 200 | 98 | 204 | 245.5 |

| Model                                                        | A    | B   | C   | D   | D1  | D2  | E  | H   | H2    |
|--------------------------------------------------------------|------|-----|-----|-----|-----|-----|----|-----|-------|
| SBC-3 FILTER (ISO Coarse $\geq$ 60%+ePM1 $\geq$ 50%) 160 EEC | 622  | 234 | 434 | 160 | 400 | 200 | 98 | 204 | 245.5 |
| SBC-3 FILTER (ISO Coarse $\geq$ 60%+ePM1 $\geq$ 50%) 200 EEC | 752  | 387 | 534 | 200 | 500 | 353 | 98 | 357 | 402.5 |
| SBC-3 FILTER (ISO Coarse $\geq$ 60%+ePM1 $\geq$ 50%) 250 EEC | 752  | 387 | 534 | 250 | 500 | 353 | 98 | 357 | 402.5 |
| SBC-3 FILTER (ISO Coarse $\geq$ 60%+ePM1 $\geq$ 50%) 315 EEC | 752  | 387 | 534 | 315 | 500 | 353 | 98 | 357 | 402.5 |
| SBC-3 FILTER (ISO Coarse $\geq$ 60%+ePM1 $\geq$ 50%) 355 EEC | 902  | 434 | 634 | 355 | 600 | 400 | 98 | 405 | 463   |
| SBC-3 FILTER (ISO Coarse $\geq$ 60%+ePM1 $\geq$ 50%) 400 EEC | 1052 | 534 | 734 | 400 | 700 | 500 | 98 | 505 | 576   |
| SBC-3 FILTER (ISO Coarse $\geq$ 60%+ePM1 $\geq$ 50%) 450 EEC | 1052 | 534 | 734 | 450 | 700 | 500 | 98 | 505 | 576   |
| SBC-3 FILTER (ISO Coarse $\geq$ 60%+ePM1 $\geq$ 50%) 500 EEC | 1352 | 635 | 834 | 500 | 800 | 601 | 98 | 606 | 677   |
| SBC-3 FILTER (ISO Coarse $\geq$ 60%+ePM1 $\geq$ 50%) 560 EEC | 1352 | 635 | 834 | 560 | 800 | 601 | 98 | 606 | 677   |

## Wiring diagram

### Wiring diagram N° 1

| Nº | Signal<br>Señal | Colour<br>Color                | Specification<br>Especificación                                                   |
|----|-----------------|--------------------------------|-----------------------------------------------------------------------------------|
| 1  | L               | Brown<br>Marrón                | AC 220V/50Hz                                                                      |
| 2  | N               | Blue<br>Azul                   | AC 220V/50Hz                                                                      |
| 3  | Pe              | Yellow-Green<br>Amarillo-Verde |  |

| Nº | Signal<br>Señal | Colour<br>Color    | Specification<br>Especificación                                                     |
|----|-----------------|--------------------|-------------------------------------------------------------------------------------|
| 1  | GND             | Blue<br>Azul       |  |
| 2  | Vsp             | Yellow<br>Amarillo | 0-10 V/PWM                                                                          |
| 3  | Vcc             | Red<br>Rojo        | DC 10V                                                                              |
| 4  | FG              | White<br>Blanco    | 1 Pulse/R                                                                           |

### Wiring diagram N° 2

| Nº | Signal<br>Señal | Colour<br>Color                | Specification<br>Especificación                                                     |
|----|-----------------|--------------------------------|-------------------------------------------------------------------------------------|
| 1  | L               | Brown<br>Marrón                | AC 220V-50/60 Hz                                                                    |
| 2  | N               | Blue<br>Azul                   | AC 220V-50/60 Hz                                                                    |
| 3  | Pe              | Yellow-Green<br>Amarillo-Verde |  |

| Nº | Signal<br>Señal | Colour<br>Color    | Specification<br>Especificación                                                       |
|----|-----------------|--------------------|---------------------------------------------------------------------------------------|
| 1  | GND             | Blue<br>Azul       |  |
| 2  | Vsp             | Yellow<br>Amarillo | 0-10 V/PWM                                                                            |
| 3  | Vcc             | Red<br>Rojo        | DC 10V                                                                                |
| 4  | FG              | White<br>Blanco    | 12 Pulse/R                                                                            |

## Wiring diagram Nº 3

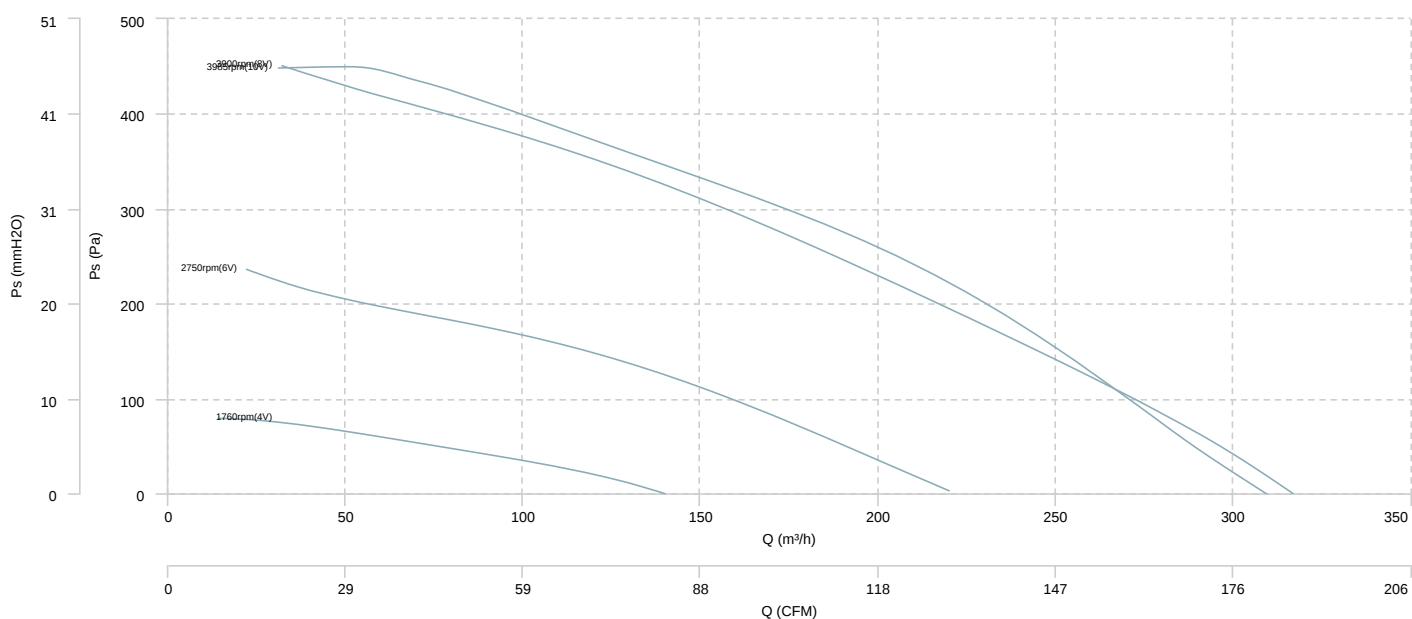
| Nº | Signal<br>Señal | Colour<br>Color                | Specification<br>Especificación                                                   |
|----|-----------------|--------------------------------|-----------------------------------------------------------------------------------|
| 1  | L1              | Black<br>Negro                 | AC380V-50/60Hz                                                                    |
| 2  | L2              | Black<br>Negro                 | AC380V-50/60Hz                                                                    |
| 3  | L3              | Black<br>Negro                 | AC380V-50/60Hz                                                                    |
| 4  | Pe              | Yellow-Green<br>Amarillo-Verde |  |

| Nº | Signal<br>Señal | Colour<br>Color    | Specification<br>Especificación                                                     |
|----|-----------------|--------------------|-------------------------------------------------------------------------------------|
| 1  | Vcc             | Red<br>Rojo        | DC10V                                                                               |
| 2  | Vsp             | Yellow<br>Amarillo | 0-10VDC/PWM                                                                         |
| 3  | GND             | Blue<br>Azul       |  |
| 4  | FG              | White<br>Blanco    | 12 Pulse/R                                                                          |

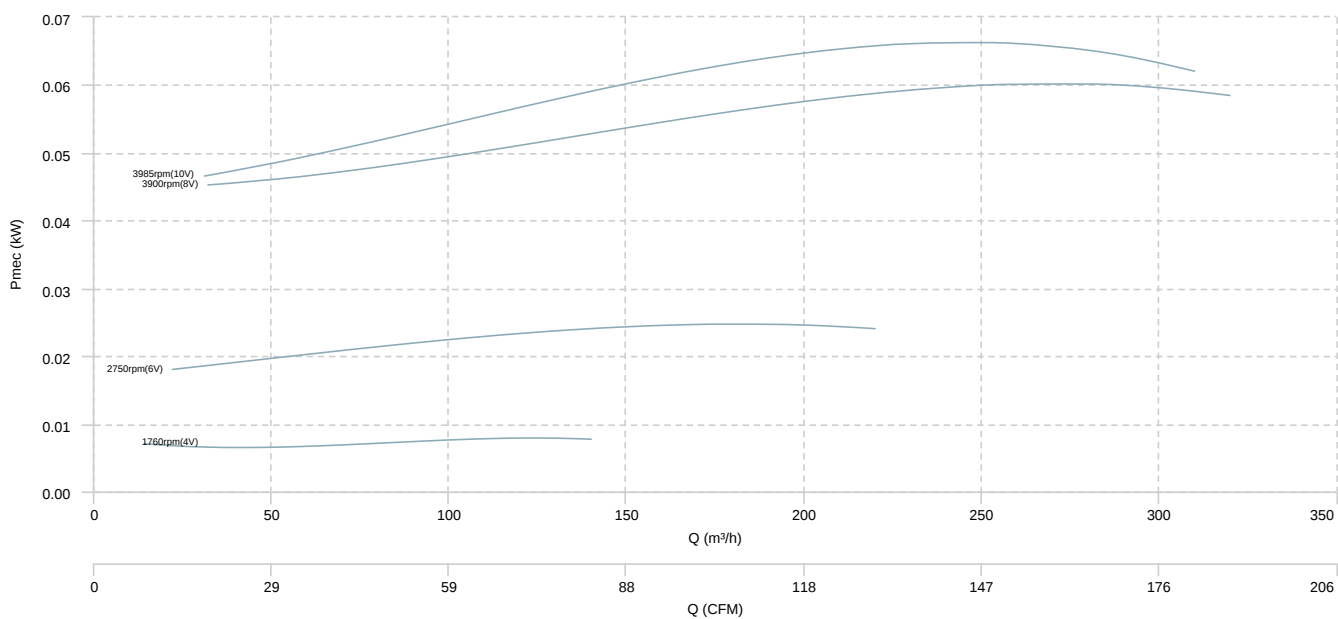
## CHARACTERISCTIC CURVE

SBC-3 FILTER (ISO  
Coarse $\geq$ 60%) 125 EEC

### AIR FLOW - PRESSURE

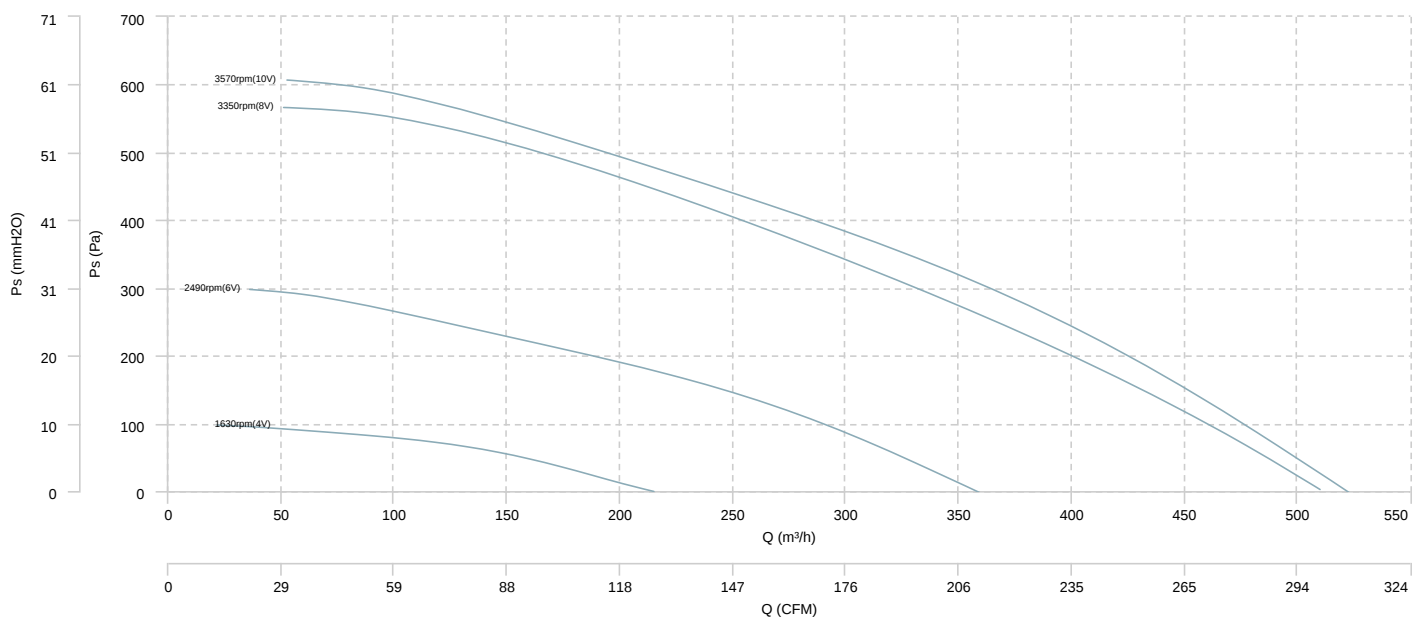


### AIR FLOW - MECHANICAL POWER

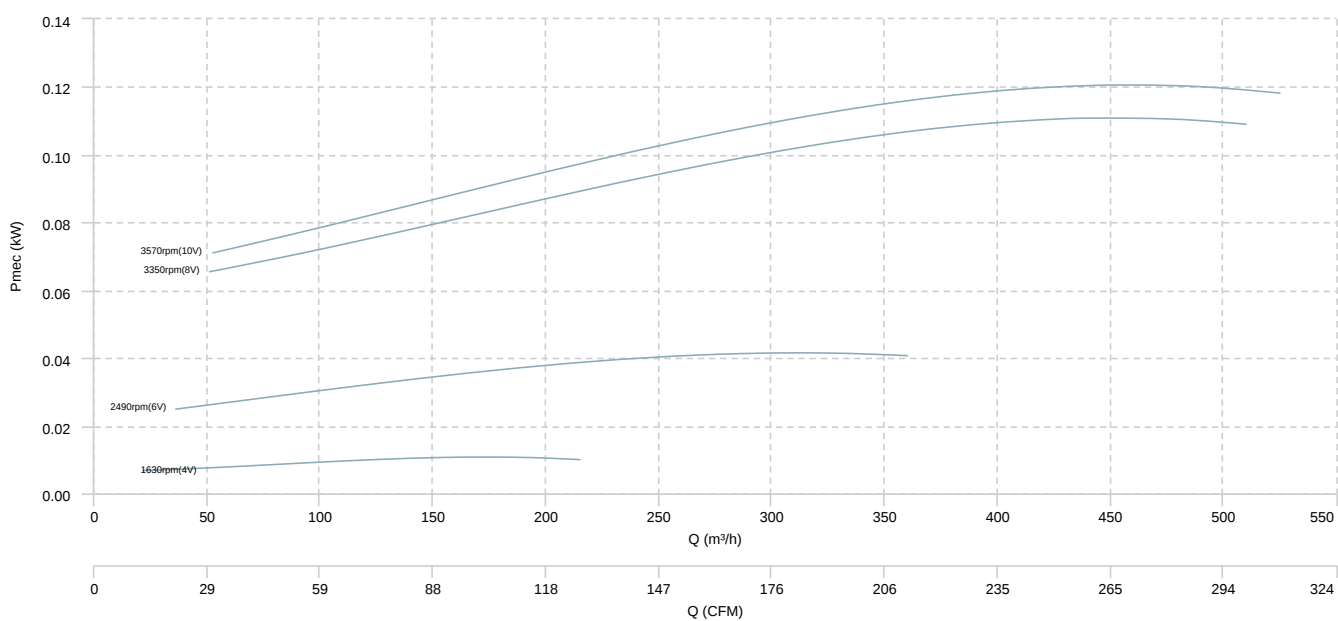


SBC-3 FILTER (ISO  
Coarse $\geq$ 60%) 150 EEC

## AIR FLOW - PRESSURE

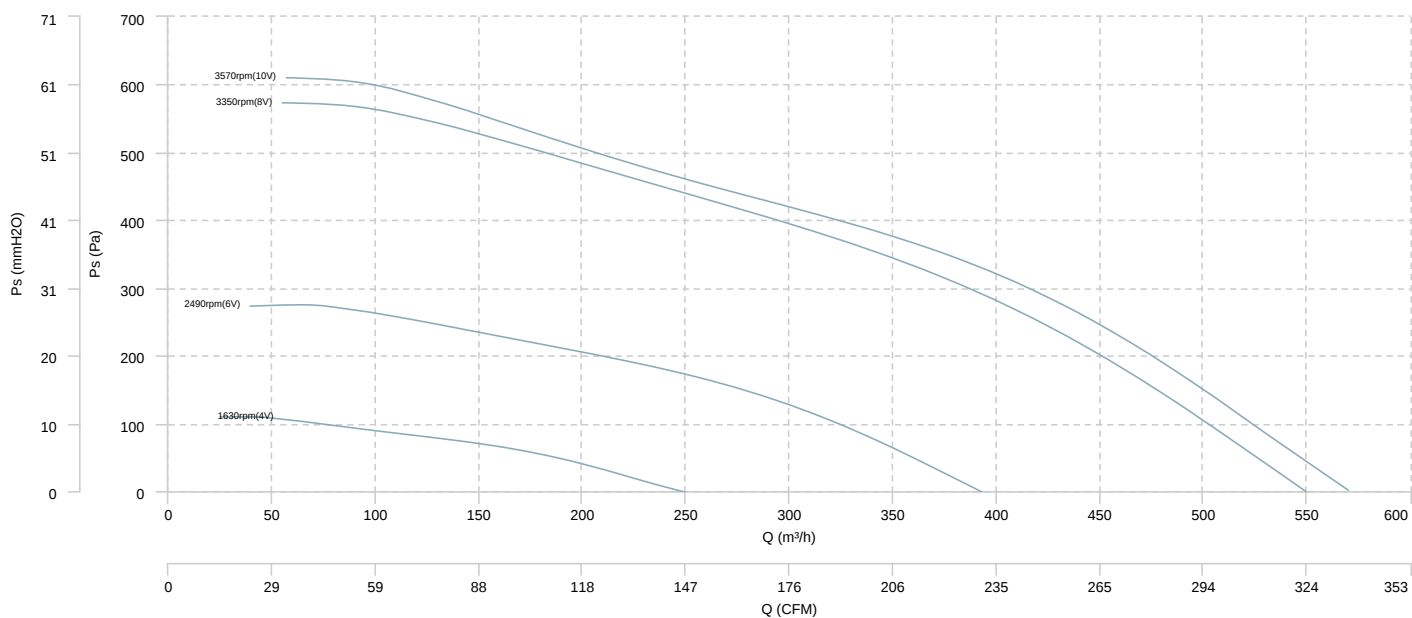


## AIR FLOW - MECHANICAL POWER

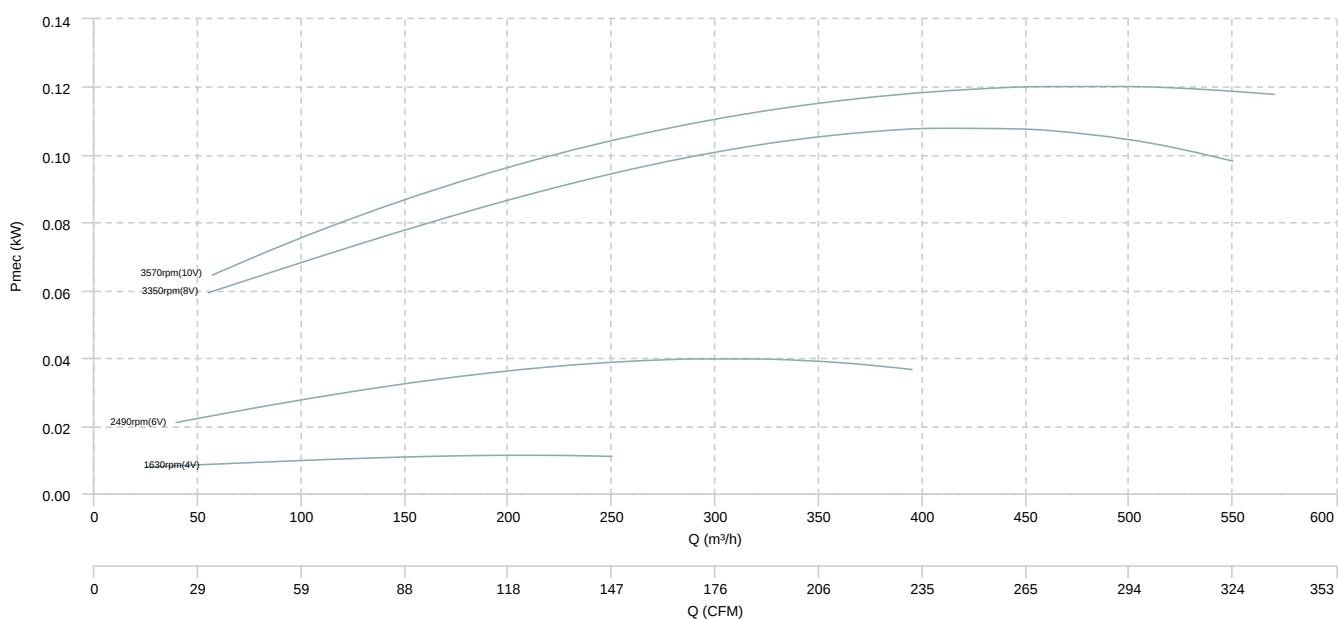


SBC-3 FILTER (ISO  
Coarse $\geq$ 60%) 160 EEC

## AIR FLOW - PRESSURE

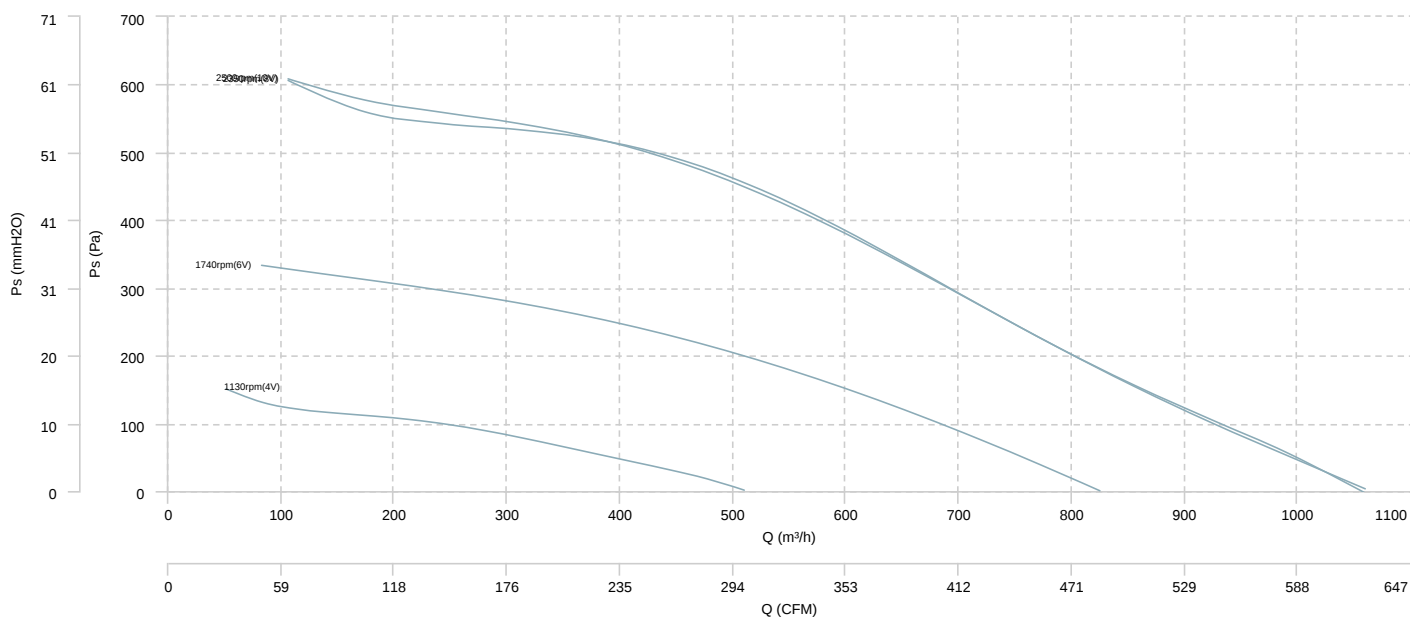


## AIR FLOW - MECHANICAL POWER

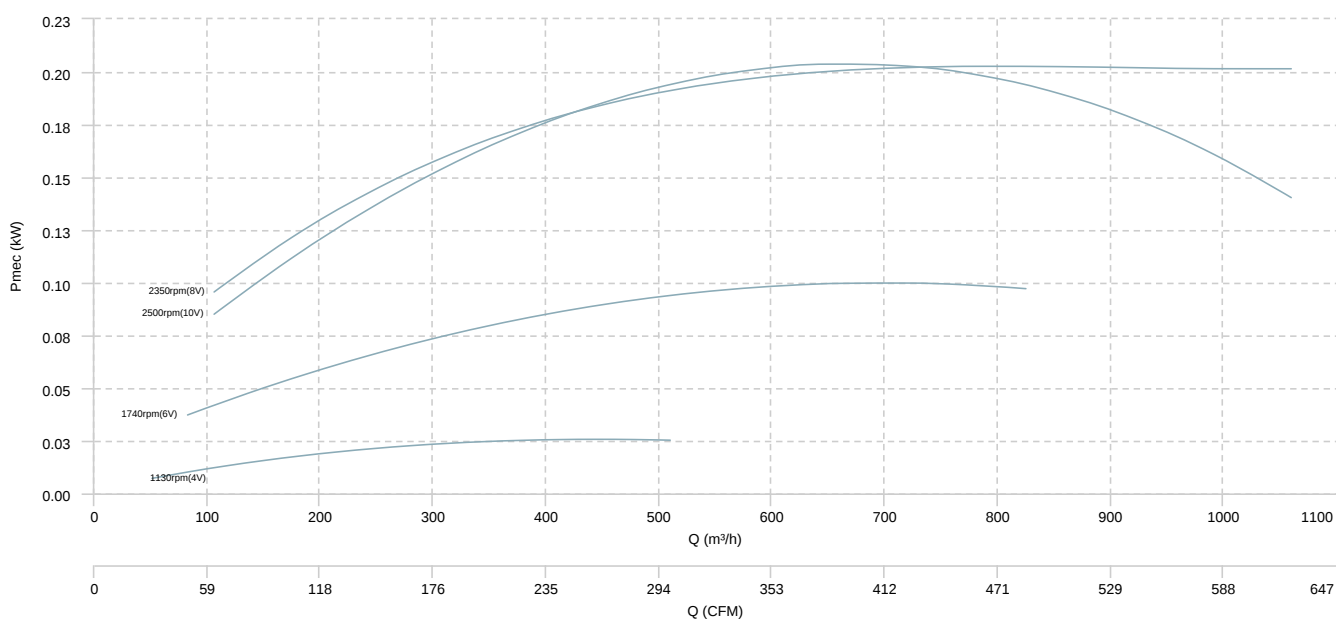


SBC-3 FILTER (ISO  
Coarse $\geq$ 60%) 200 EEC

## AIR FLOW - PRESSURE

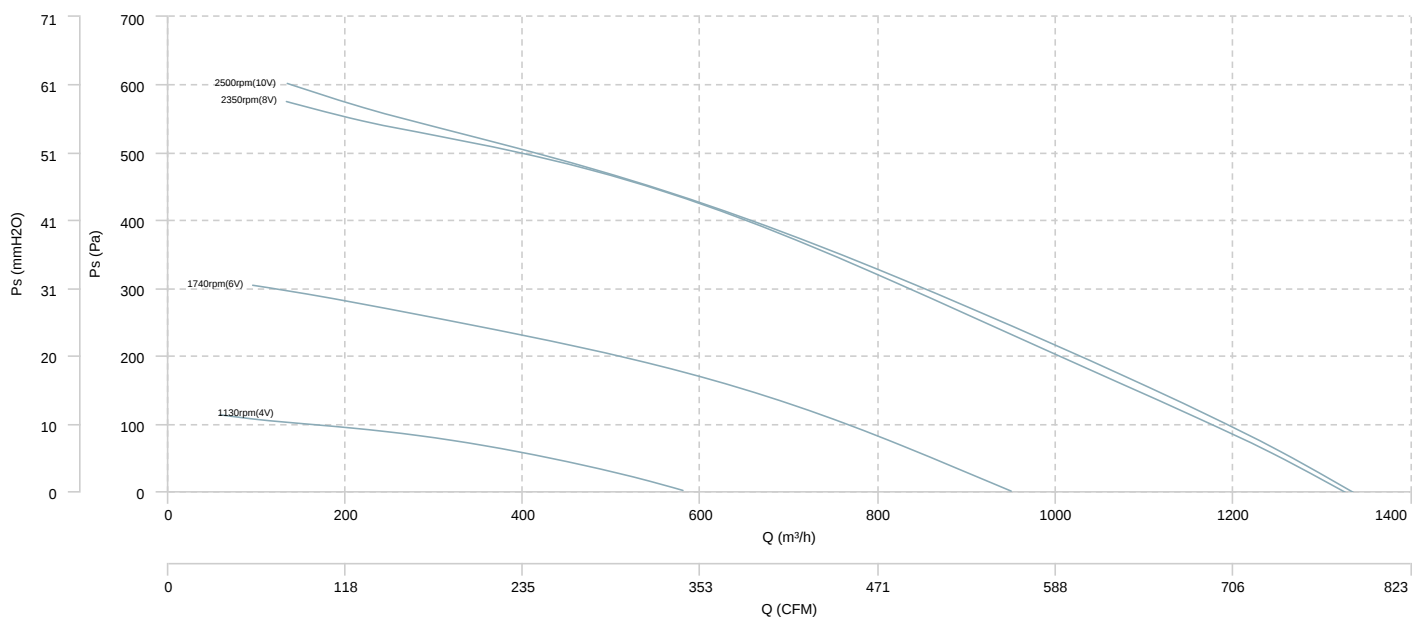


## AIR FLOW - MECHANICAL POWER

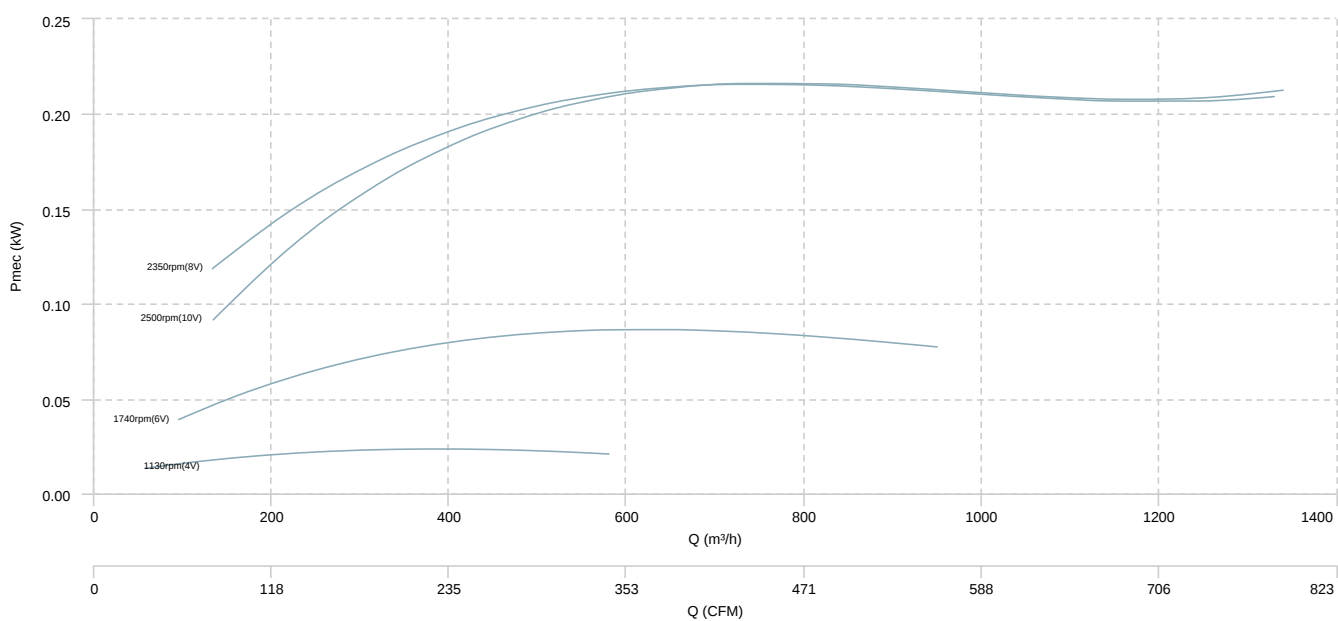


SBC-3 FILTER (ISO  
Coarse $\geq$ 60%) 250 EEC

## AIR FLOW - PRESSURE

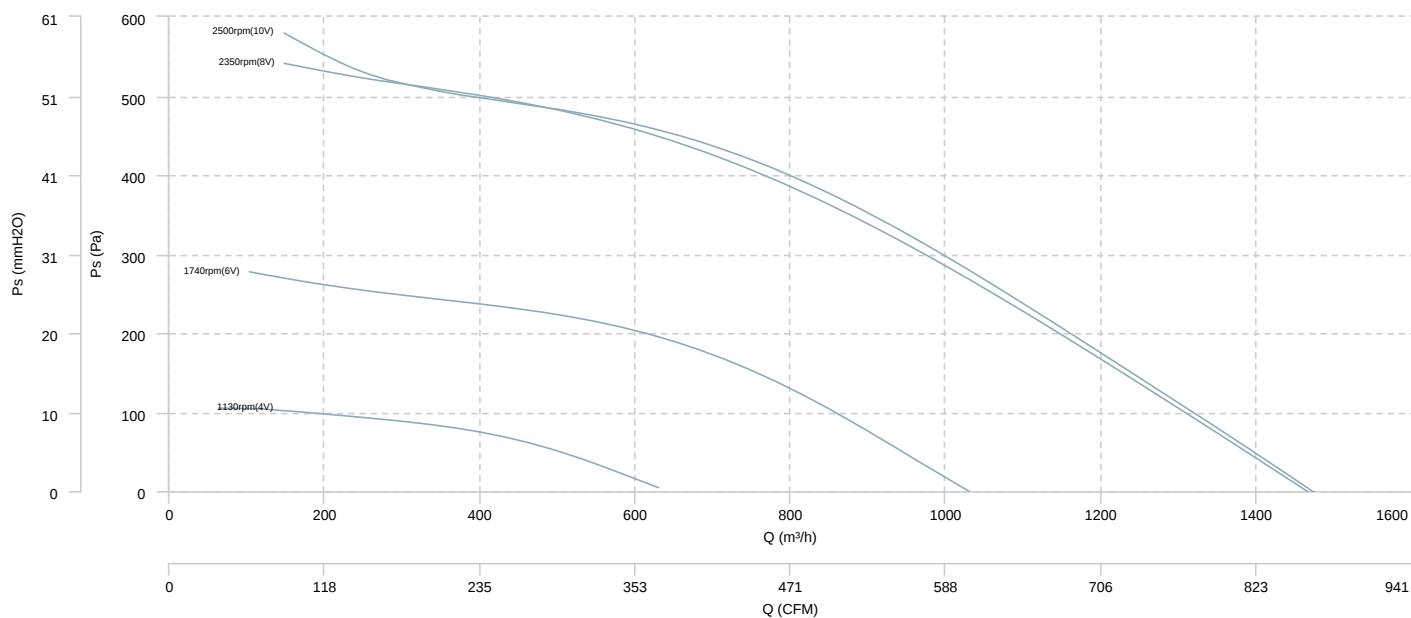


## AIR FLOW - MECHANICAL POWER

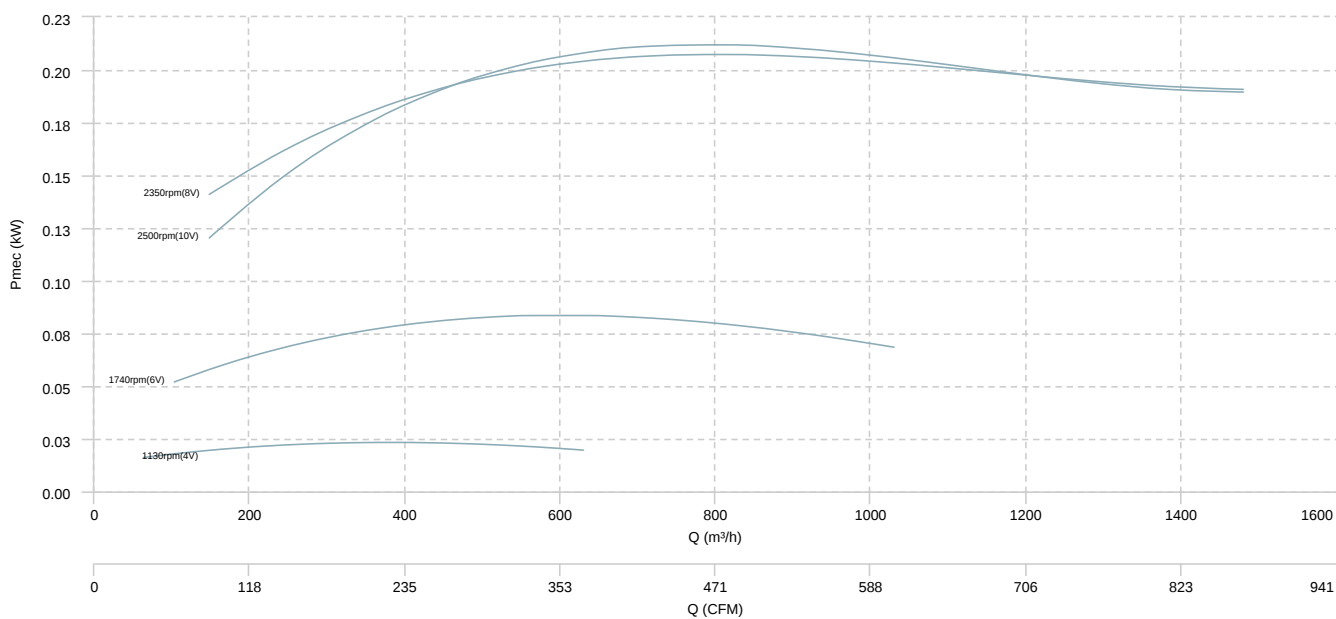


SBC-3 FILTER (ISO  
Coarse $\geq$ 60%) 315 EEC

## AIR FLOW - PRESSURE

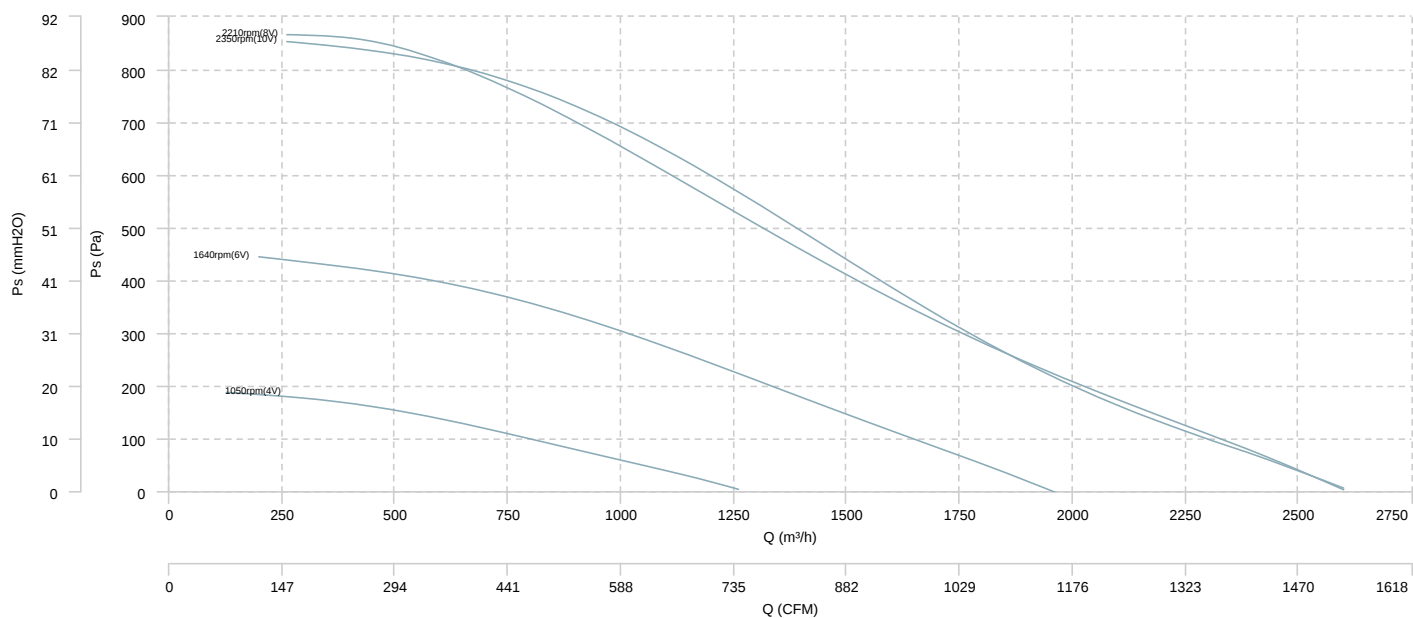


## AIR FLOW - MECHANICAL POWER

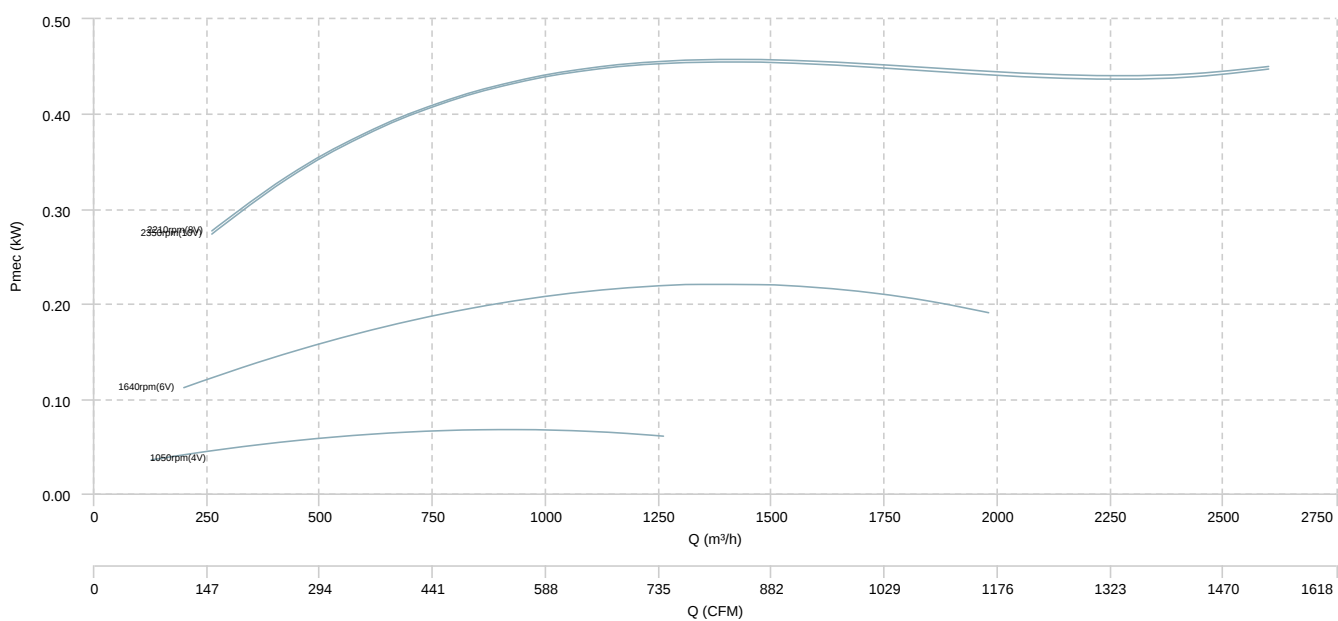


SBC-3 FILTER (ISO  
Coarse≥60%) 355 EEC

## AIR FLOW - PRESSURE

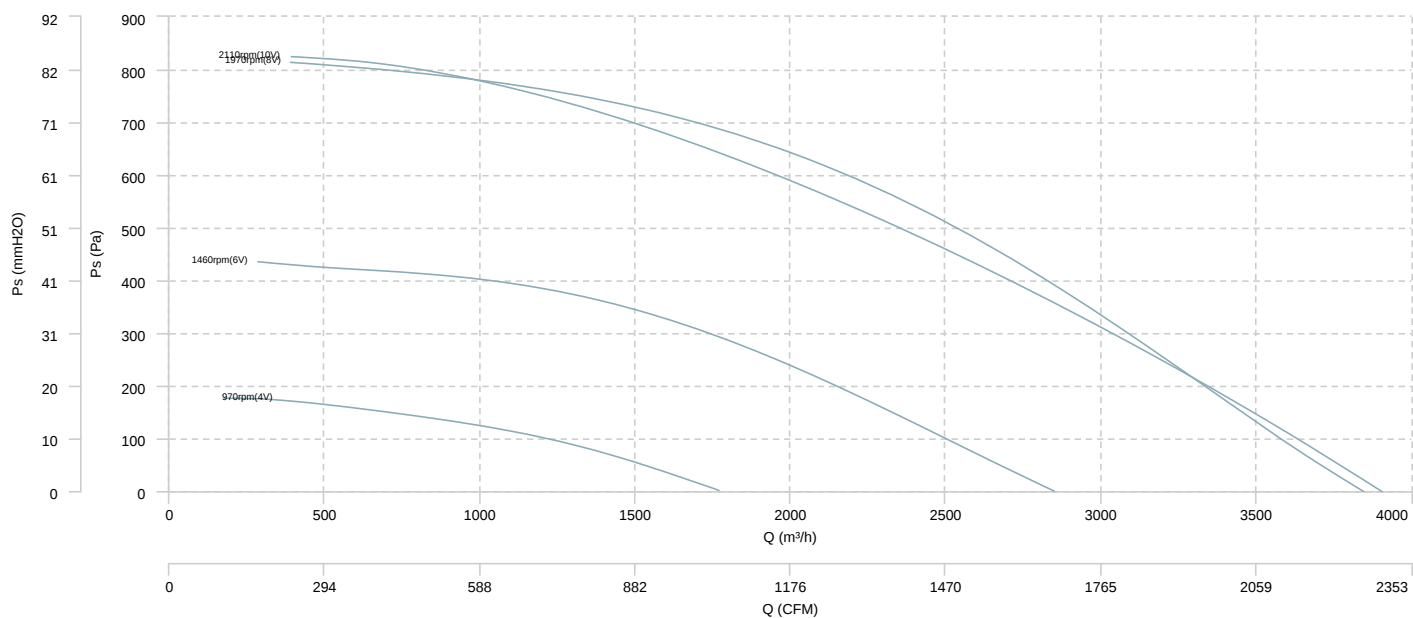


## AIR FLOW - MECHANICAL POWER

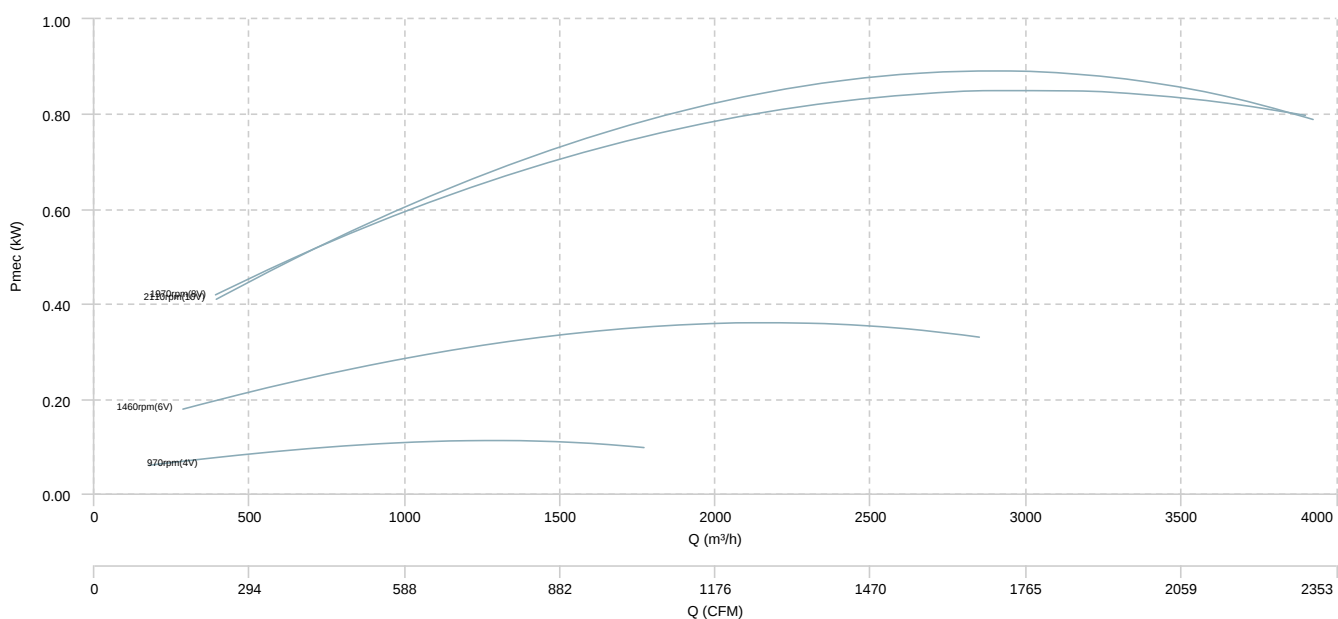


SBC-3 FILTER (ISO  
Coarse $\geq$ 60%) 400 EEC

## AIR FLOW - PRESSURE

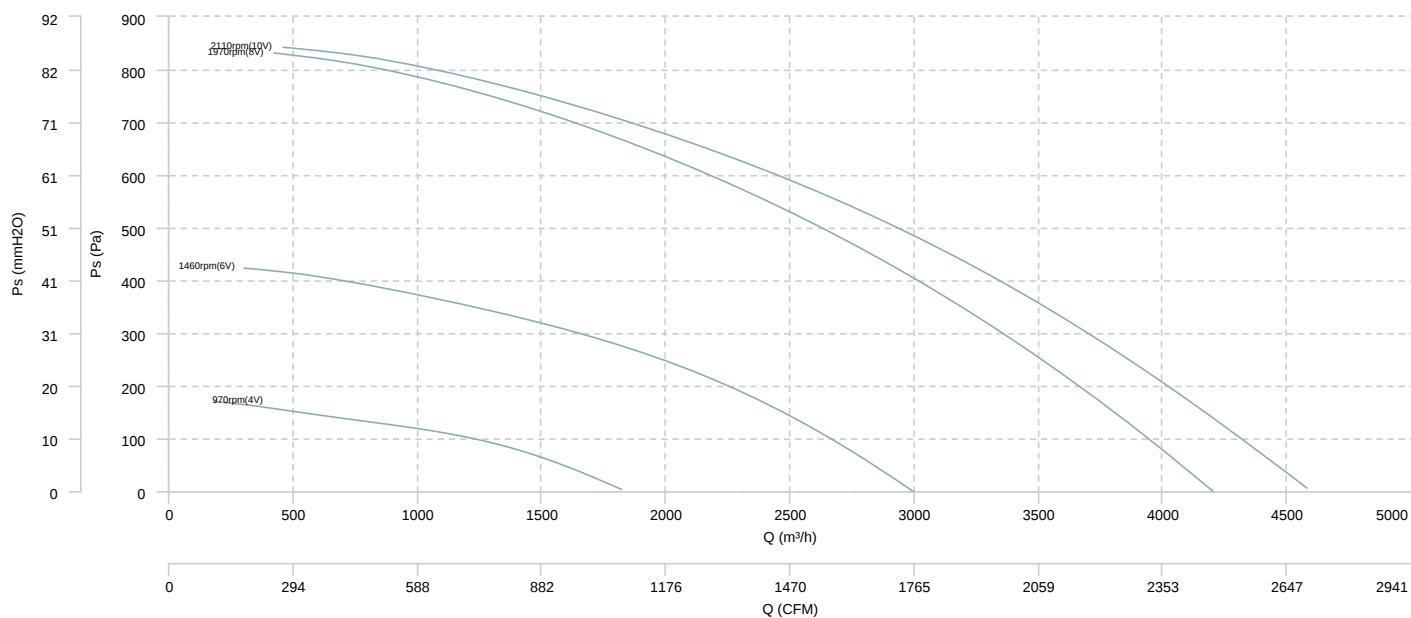


## AIR FLOW - MECHANICAL POWER

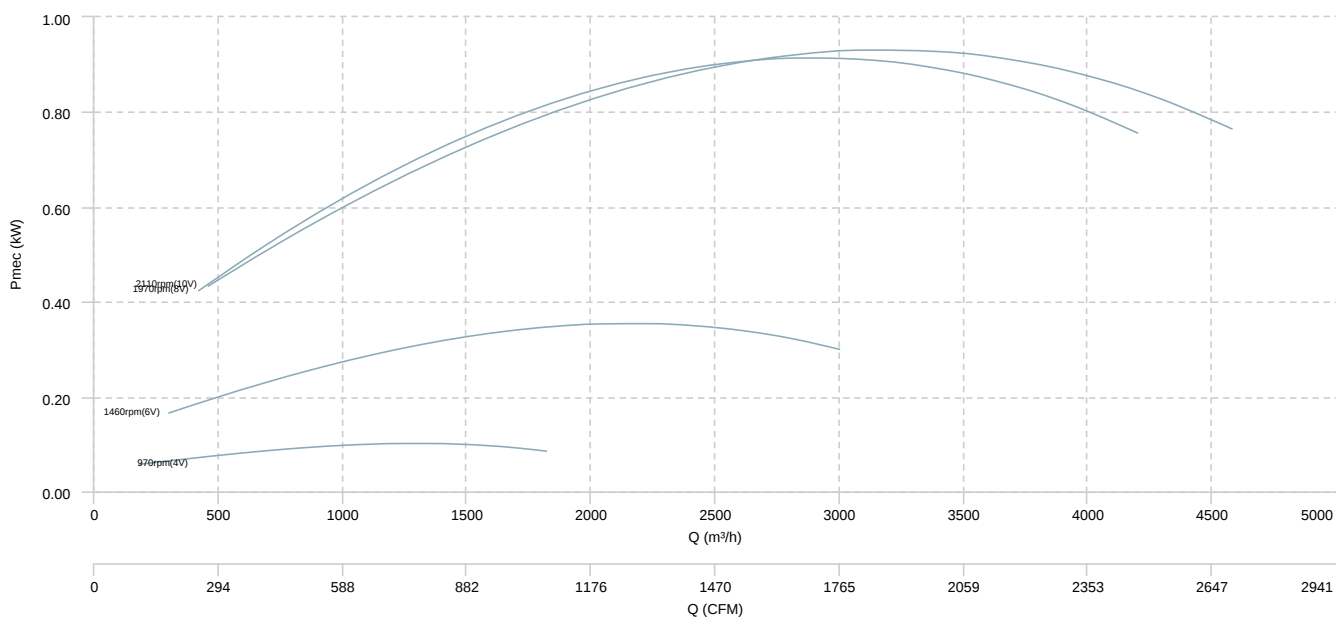


SBC-3 FILTER (ISO  
Coarse $\geq$ 60%) 450 EEC

### AIR FLOW - PRESSURE

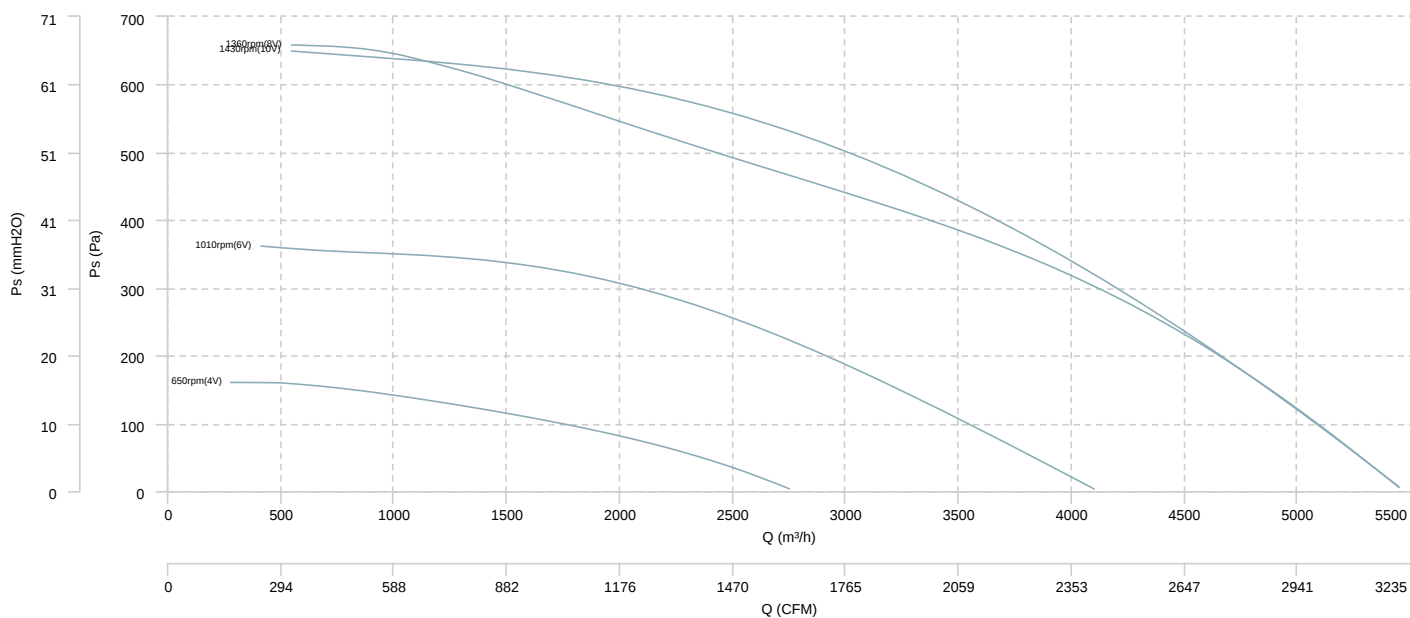


### AIR FLOW - MECHANICAL POWER

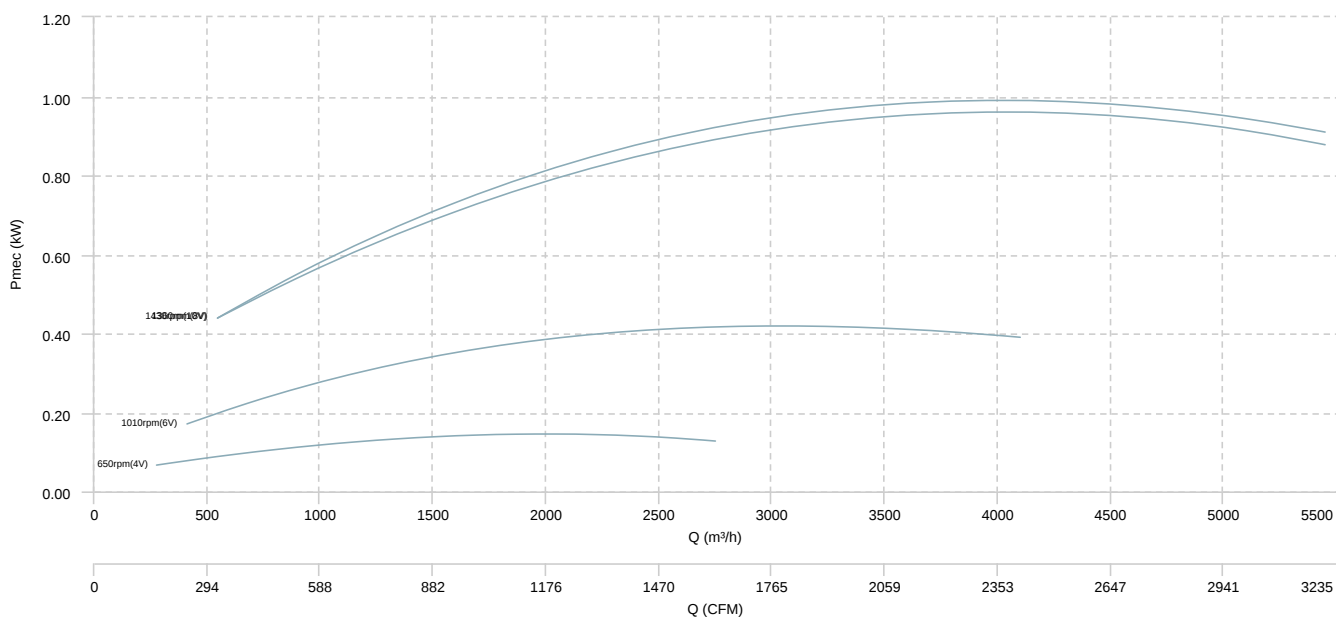


SBC-3 FILTER (ISO  
Coarse $\geq$ 60%) 500 EEC

## AIR FLOW - PRESSURE

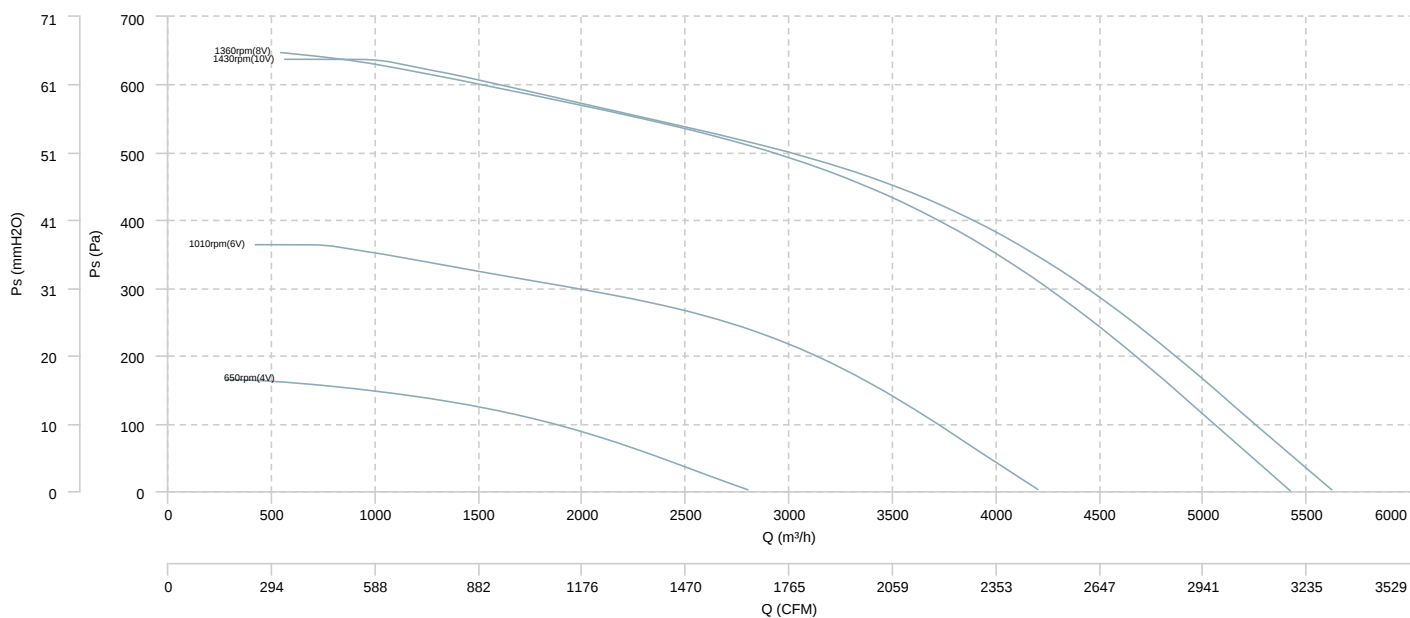


## AIR FLOW - MECHANICAL POWER

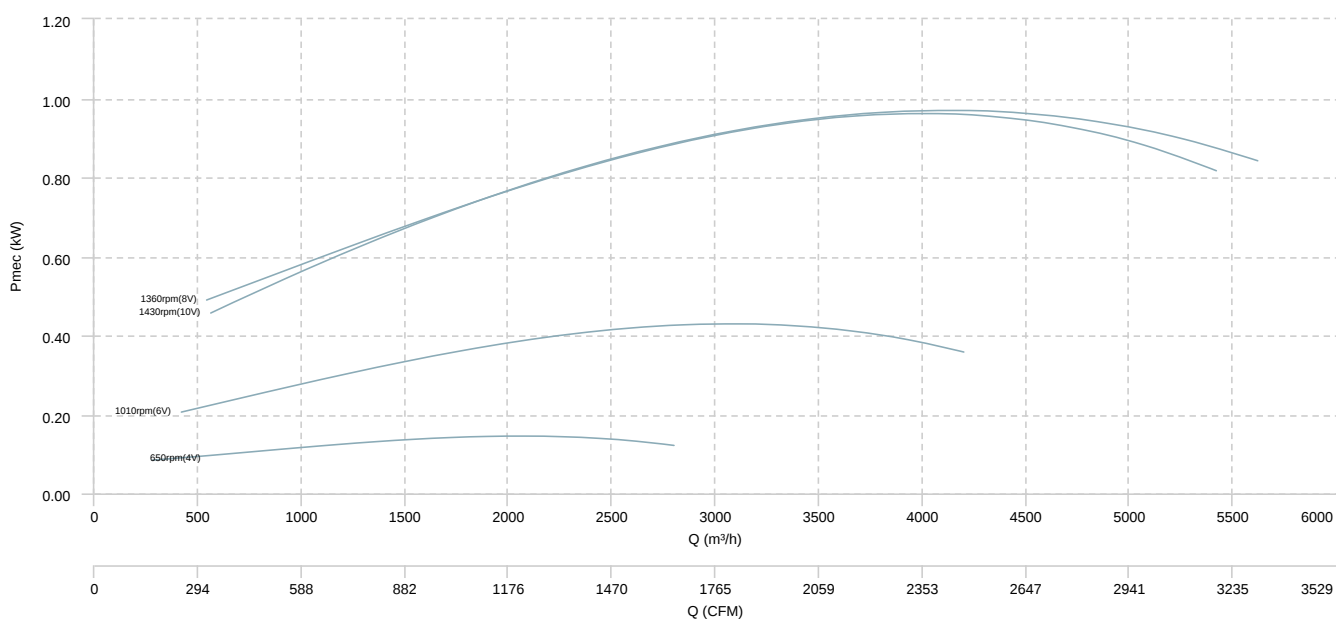


SBC-3 FILTER (ISO  
Coarse $\geq$ 60%) 560 EEC

## AIR FLOW - PRESSURE

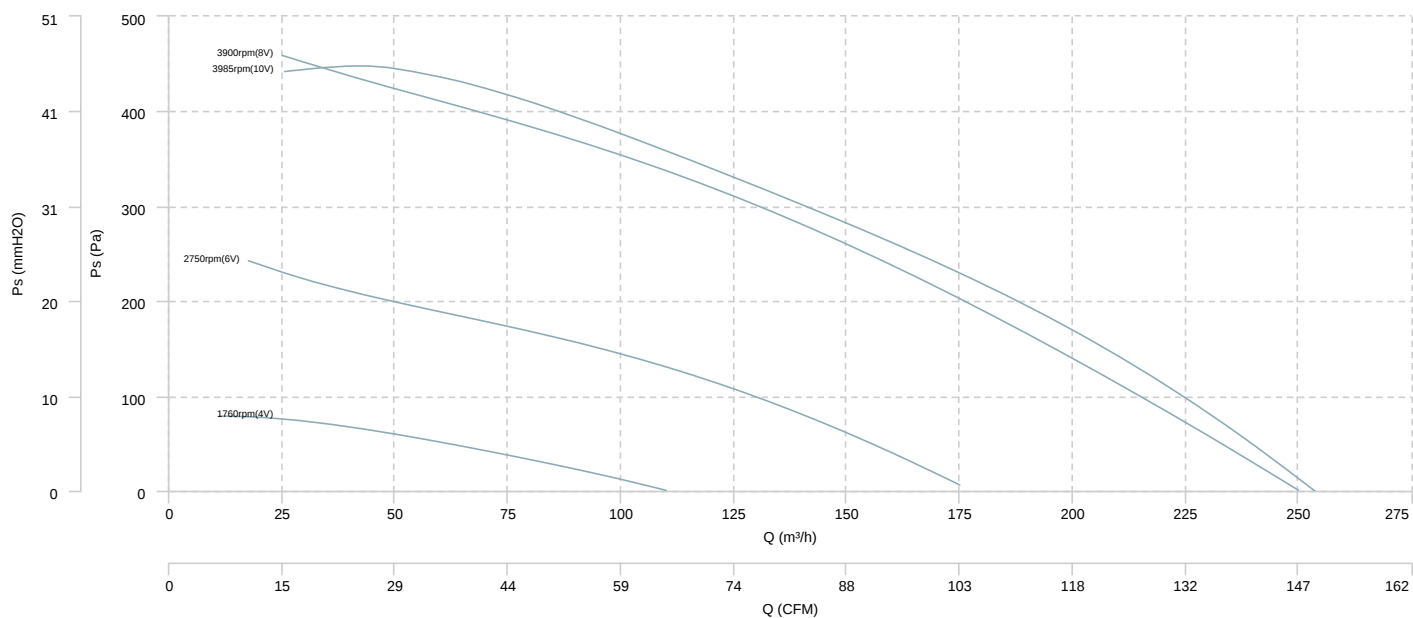


## AIR FLOW - MECHANICAL POWER

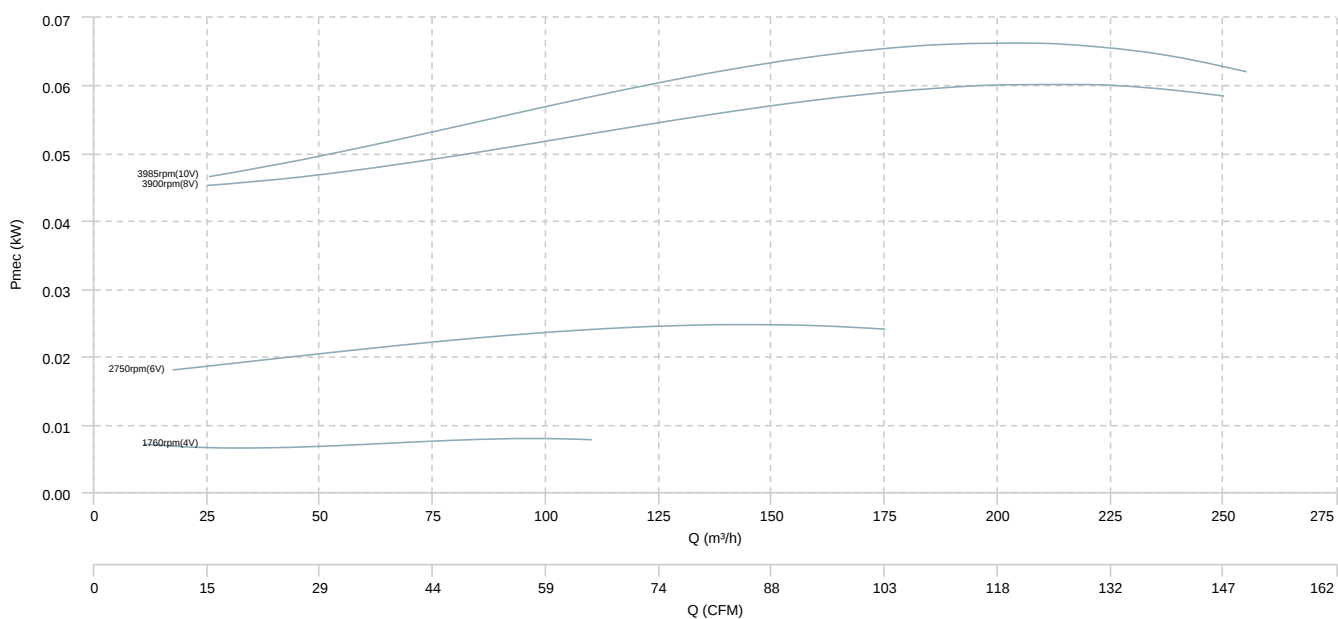


SBC-3 FILTER (ISO  
Coarse $\geq$ 60%+ePM1 $\geq$ 50%  
) 125 EEC

## AIR FLOW - PRESSURE

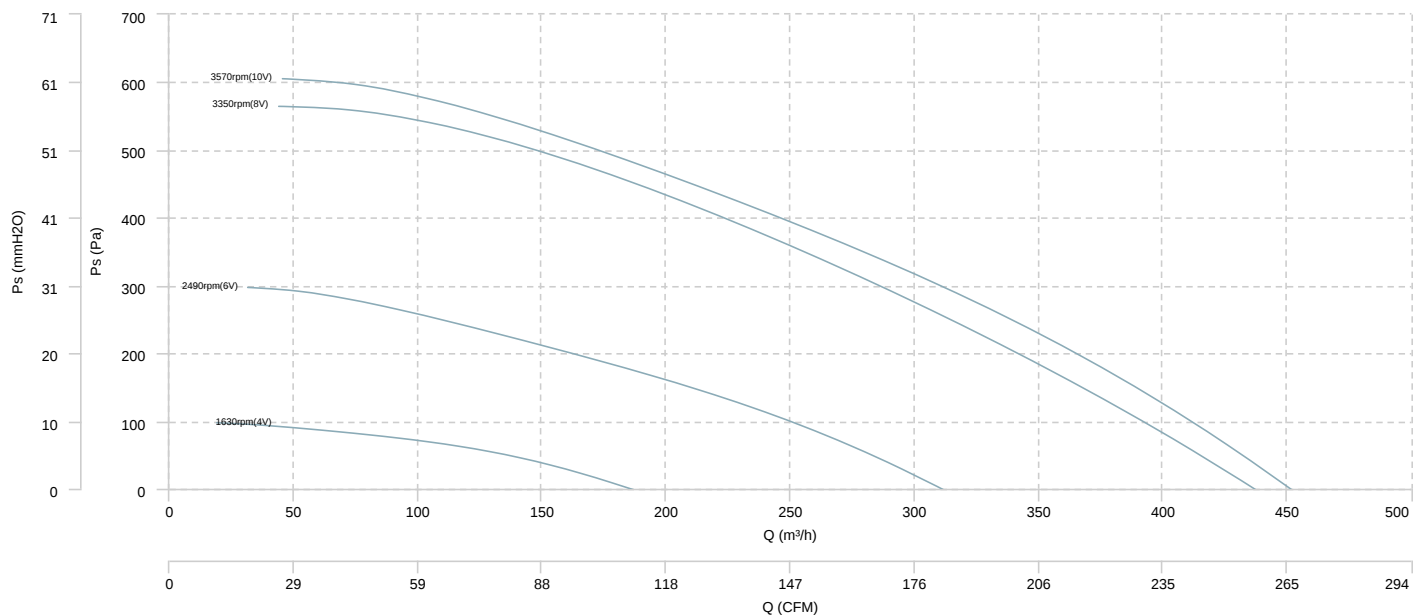


## AIR FLOW - MECHANICAL POWER

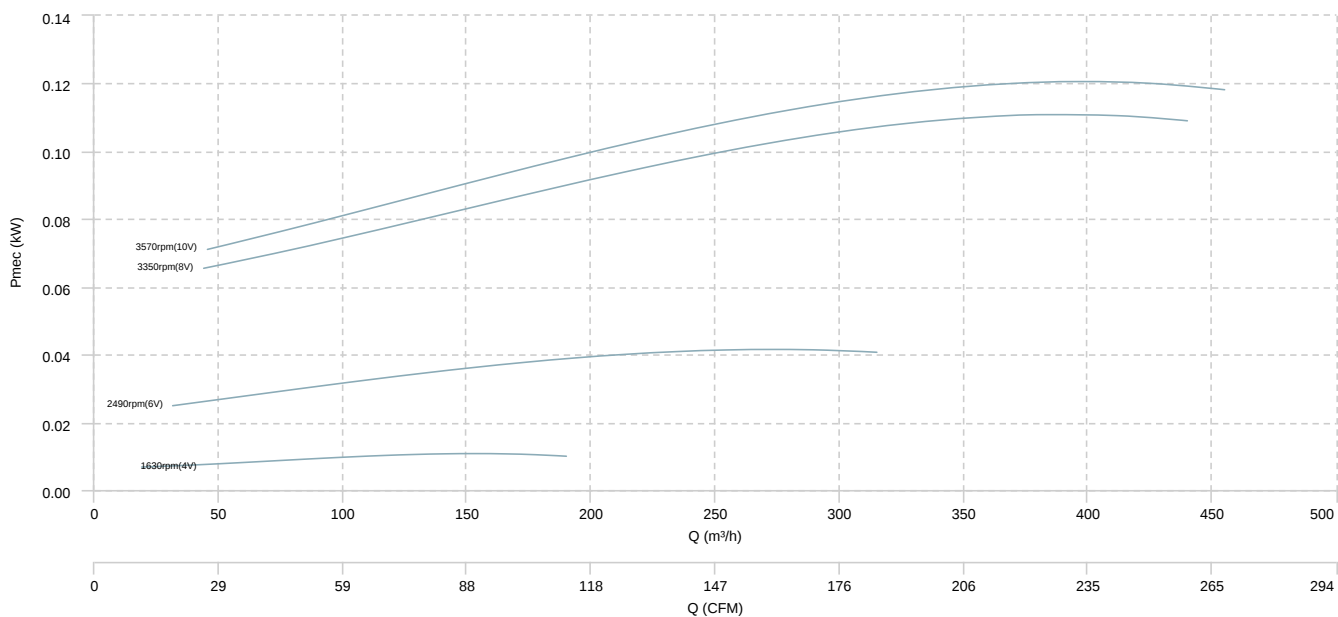


SBC-3 FILTER (ISO  
Coarse $\geq$ 60%+ePM1 $\geq$ 50%  
) 150 EEC

## AIR FLOW - PRESSURE

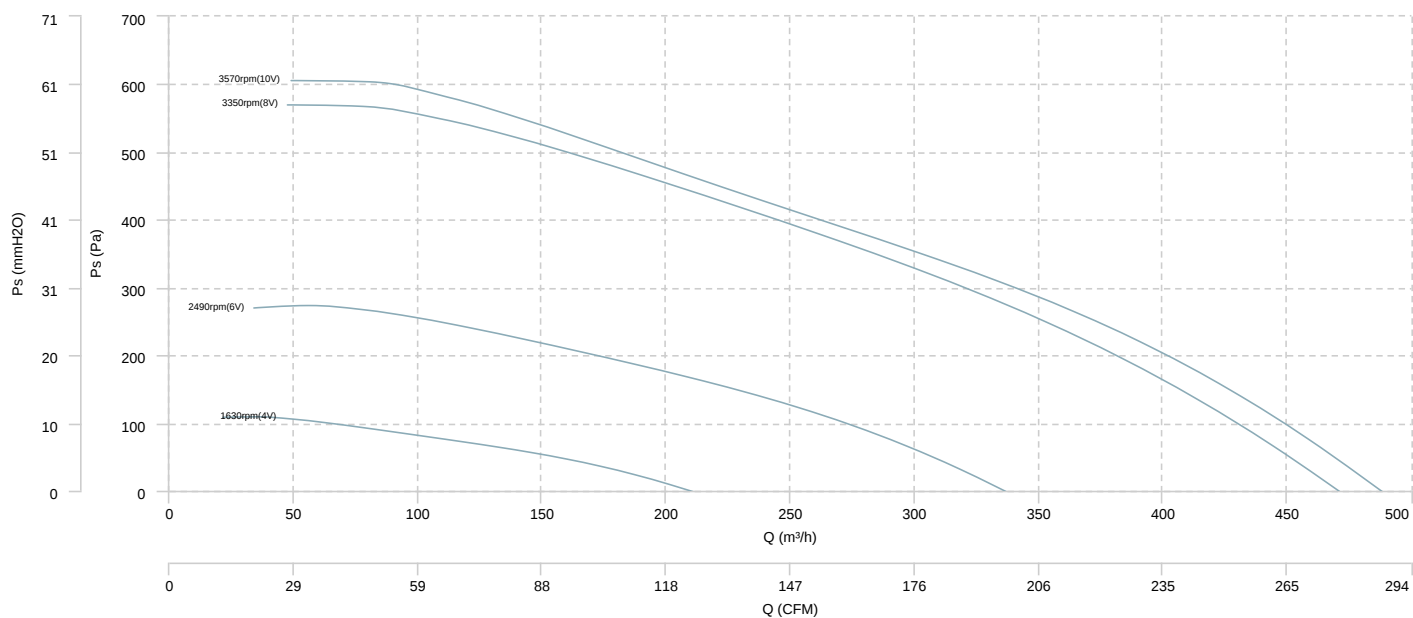


## AIR FLOW - MECHANICAL POWER

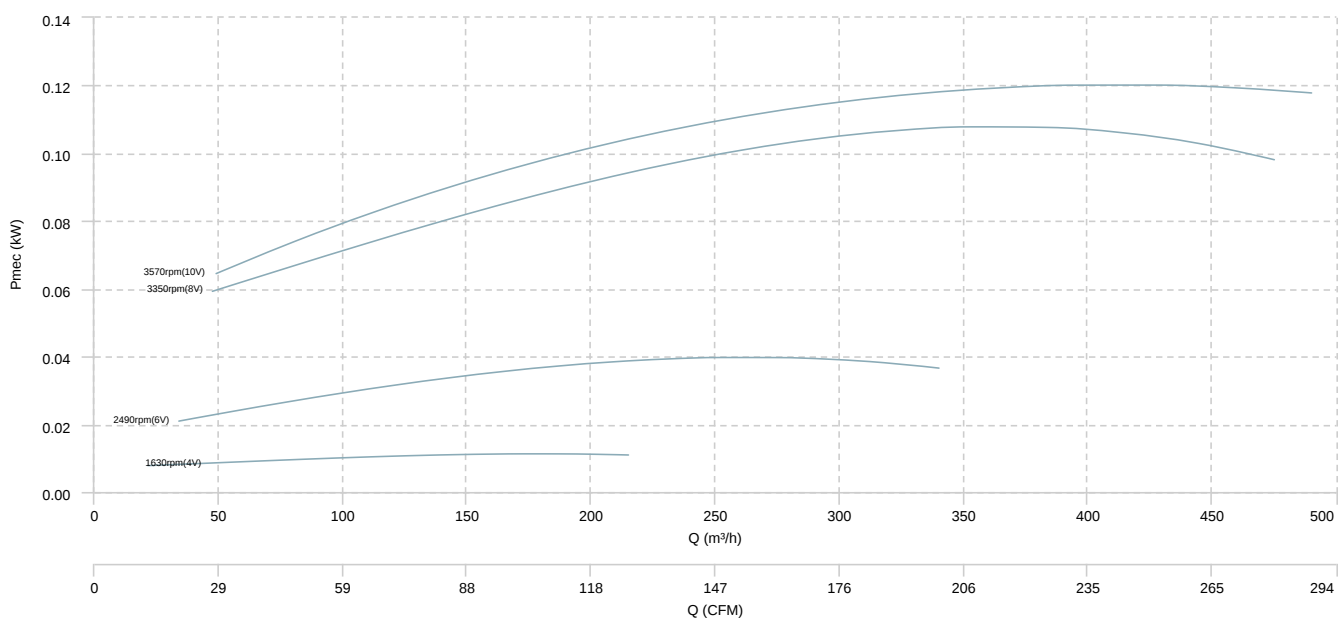


SBC-3 FILTER (ISO  
Coarse $\geq$ 60%+ePM1 $\geq$ 50%  
) 160 EEC

## AIR FLOW - PRESSURE

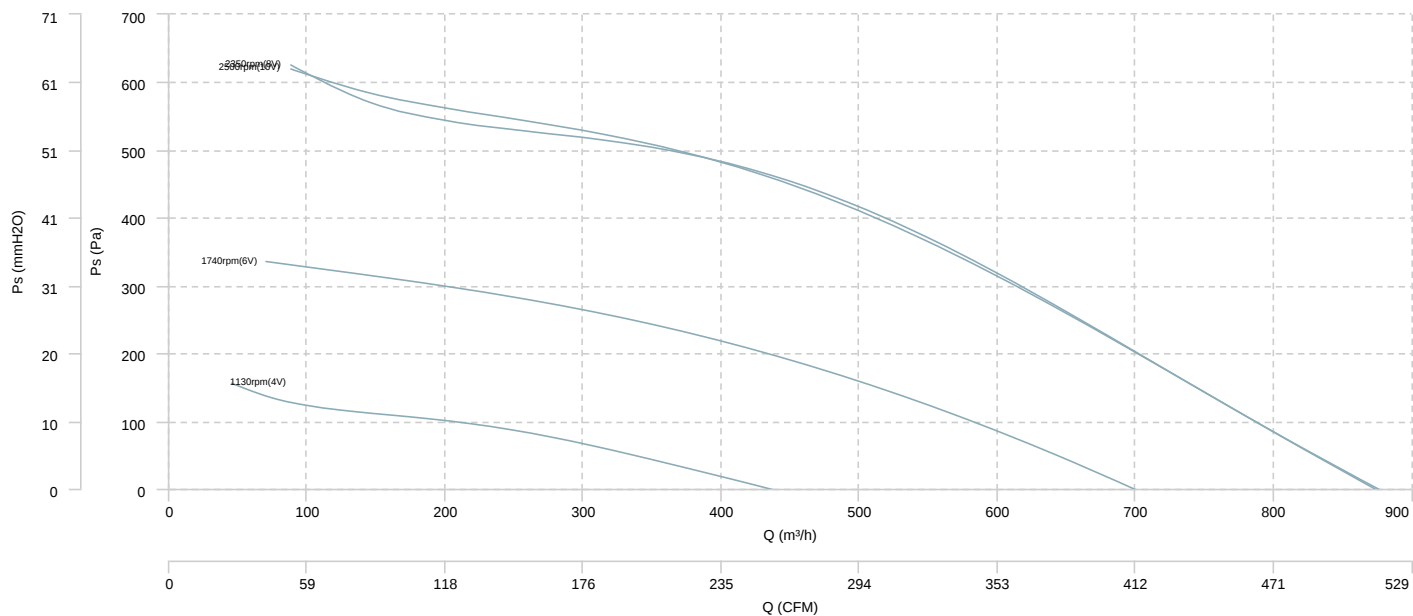


## AIR FLOW - MECHANICAL POWER

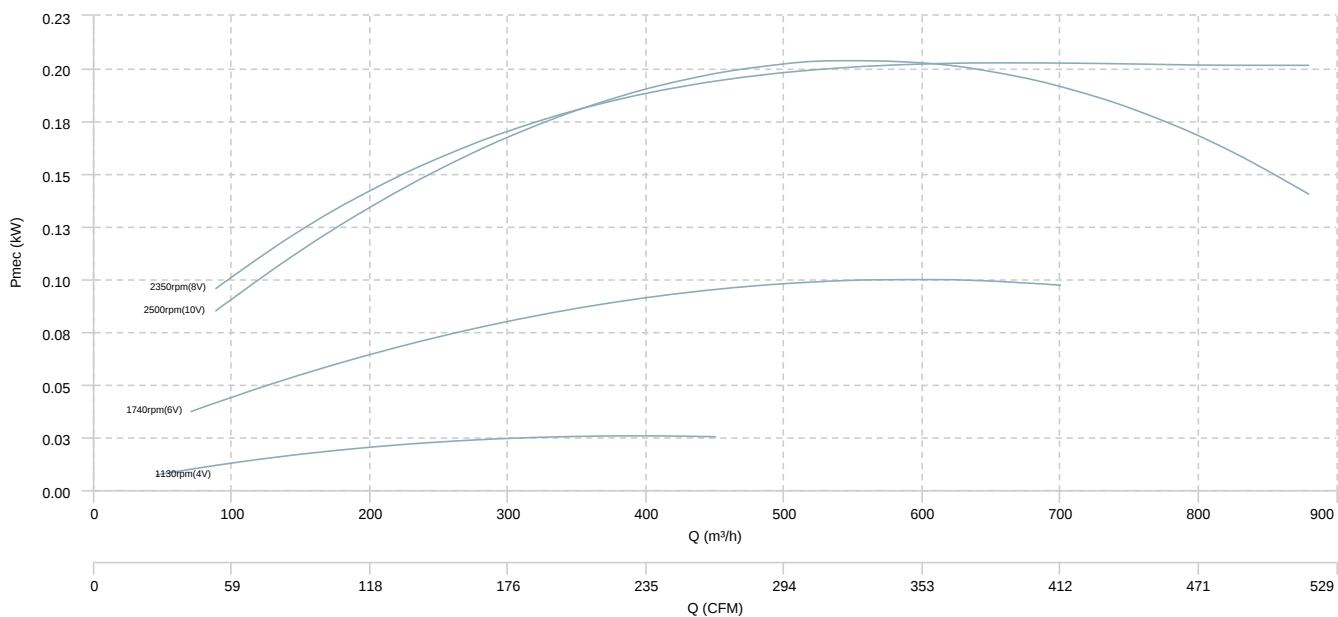


SBC-3 FILTER (ISO  
Coarse $\geq$ 60%+ePM1 $\geq$ 50%  
) 200 EEC

## AIR FLOW - PRESSURE

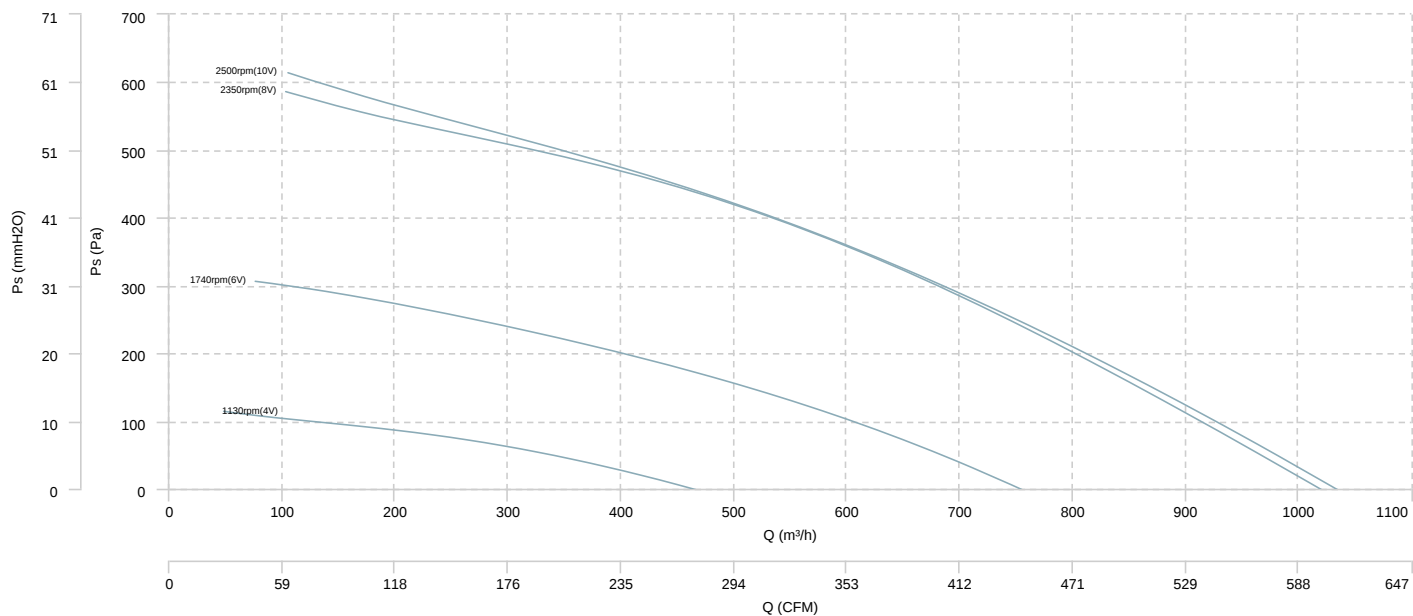


## AIR FLOW - MECHANICAL POWER

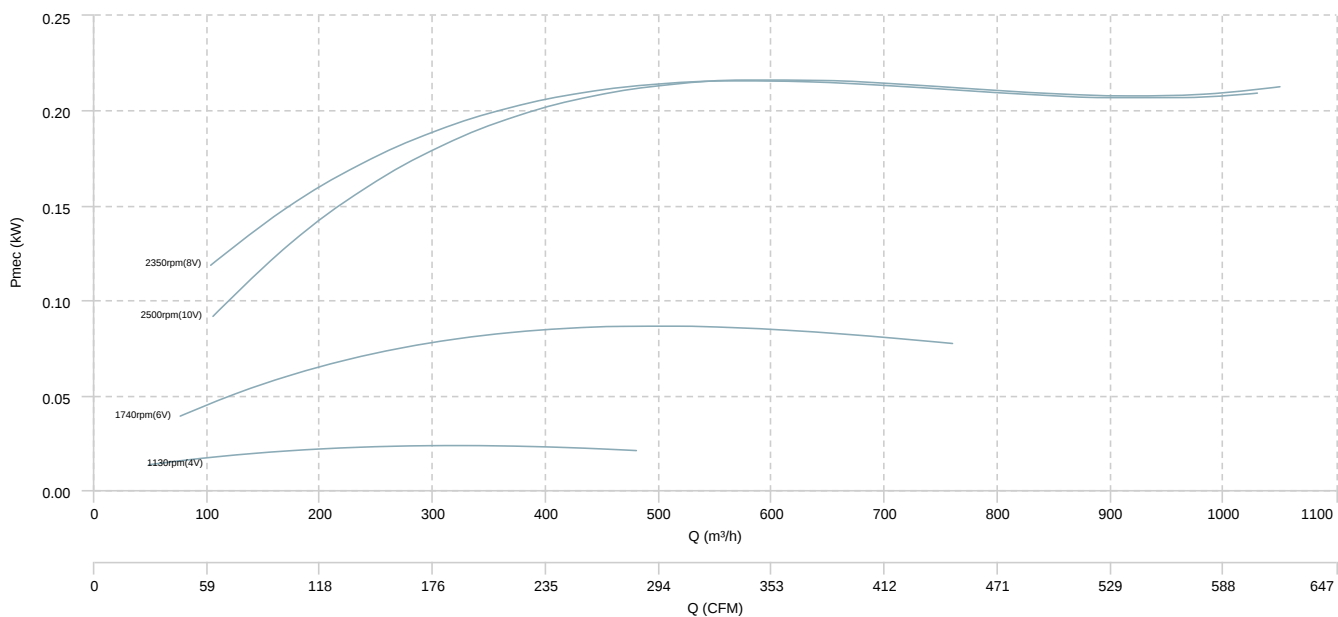


SBC-3 FILTER (ISO  
Coarse $\geq$ 60%+ePM1 $\geq$ 50%  
) 250 EEC

## AIR FLOW - PRESSURE

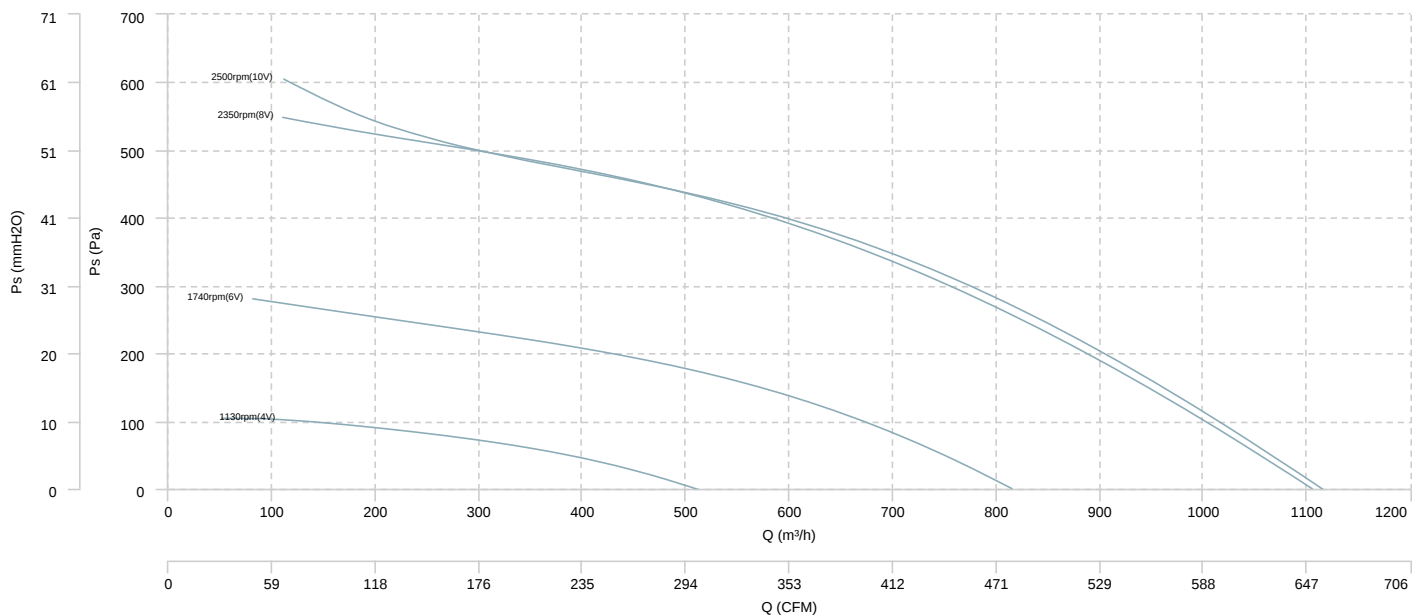


## AIR FLOW - MECHANICAL POWER

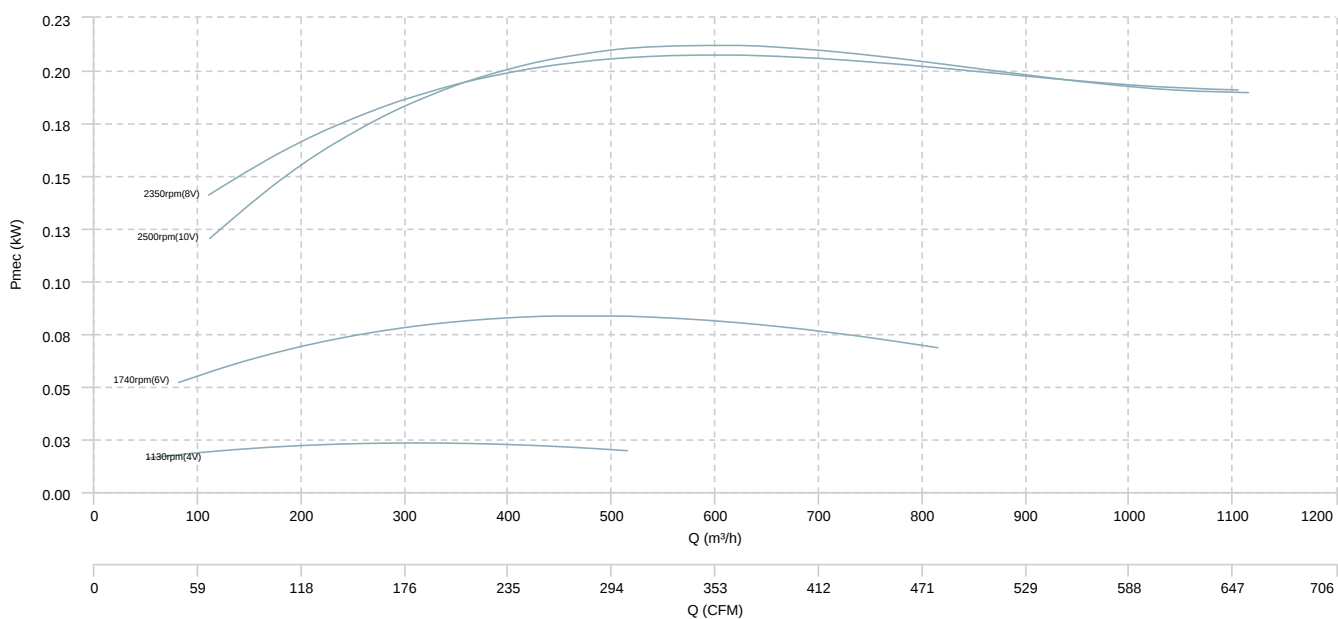


SBC-3 FILTER (ISO  
Coarse $\geq$ 60%+ePM1 $\geq$ 50%  
) 315 EEC

## AIR FLOW - PRESSURE

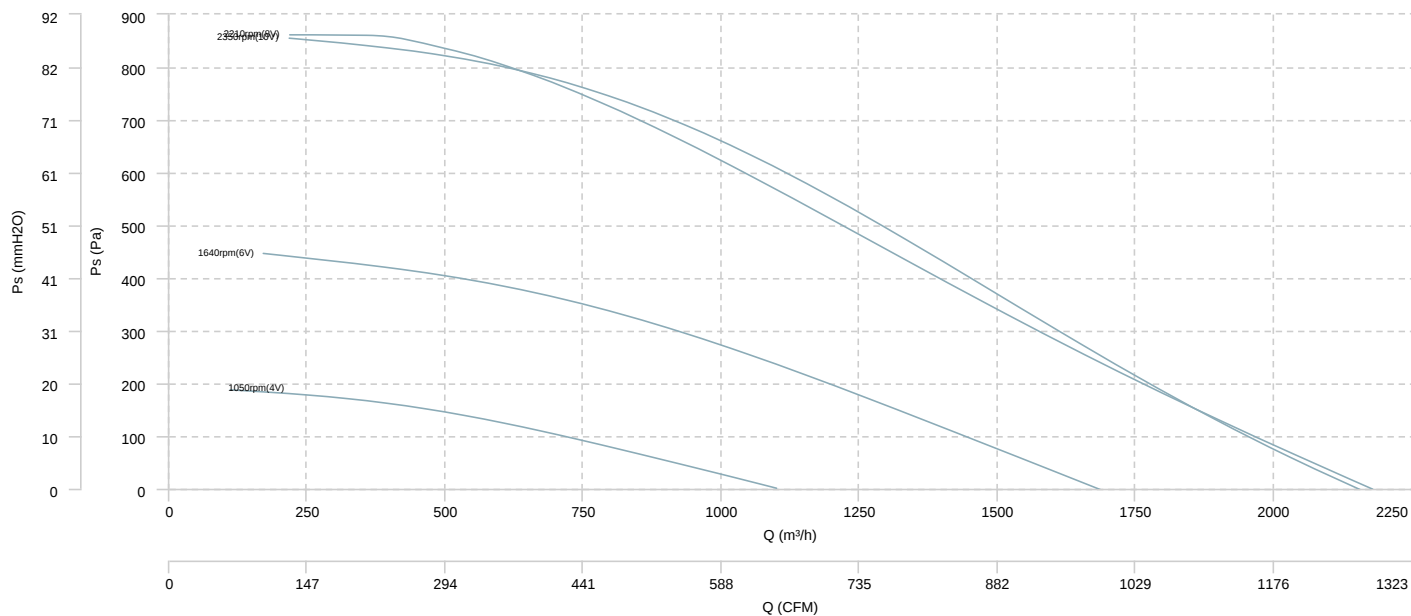


## AIR FLOW - MECHANICAL POWER

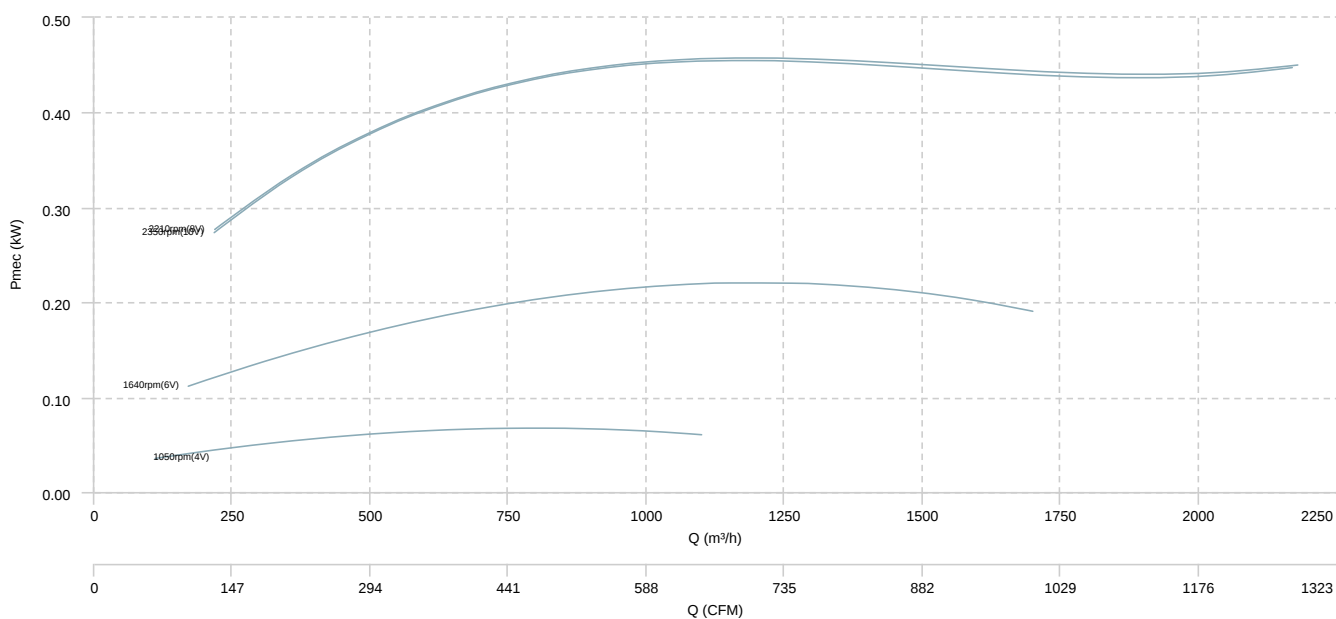


SBC-3 FILTER (ISO  
Coarse $\geq$ 60%+ePM1 $\geq$ 50%  
) 355 EEC

## AIR FLOW - PRESSURE

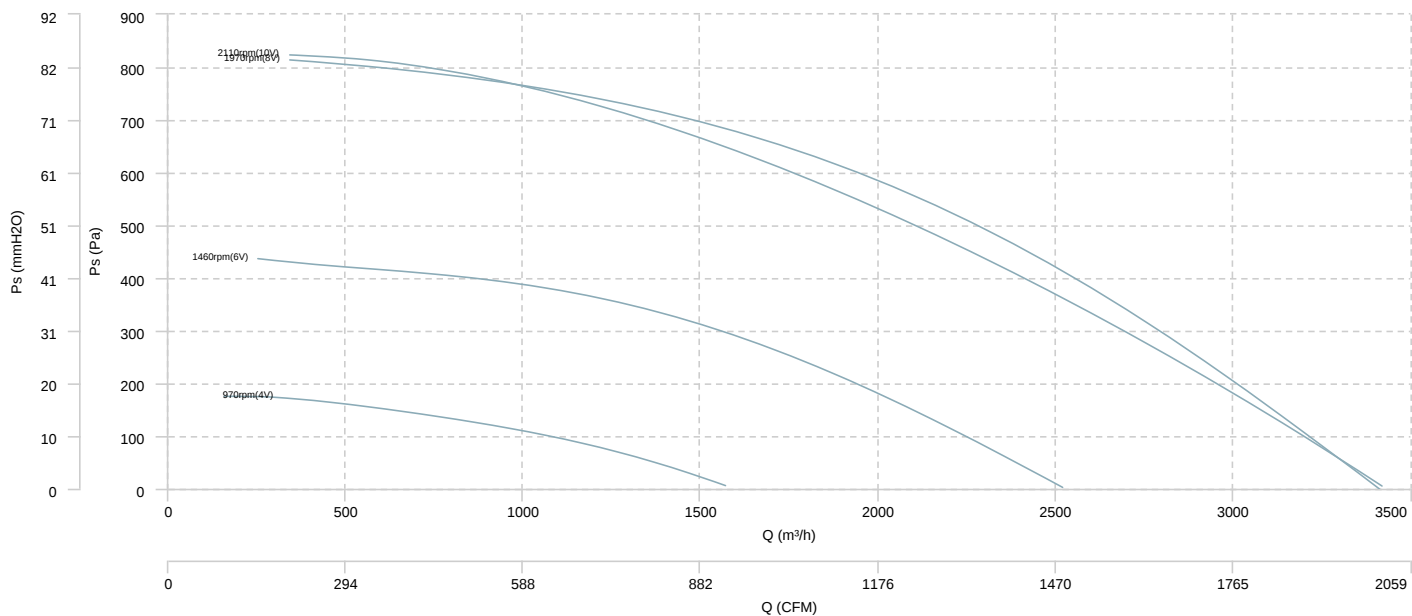


## AIR FLOW - MECHANICAL POWER

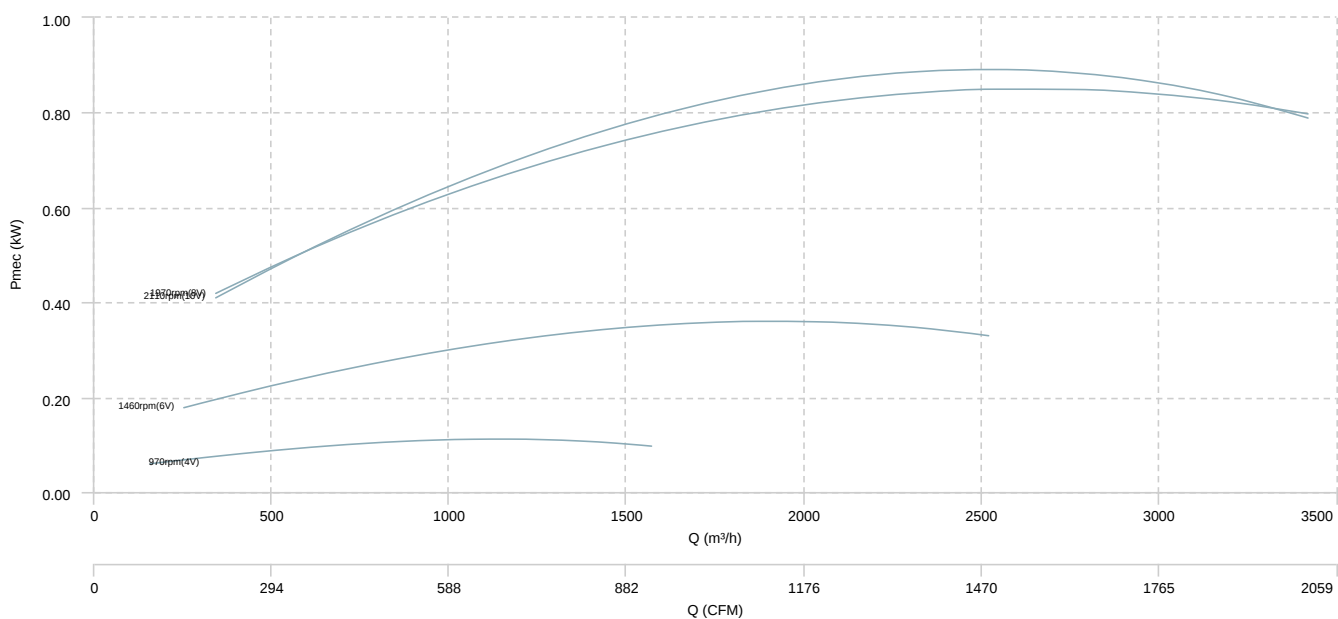


SBC-3 FILTER (ISO  
Coarse $\geq$ 60%+ePM1 $\geq$ 50%  
) 400 EEC

## AIR FLOW - PRESSURE

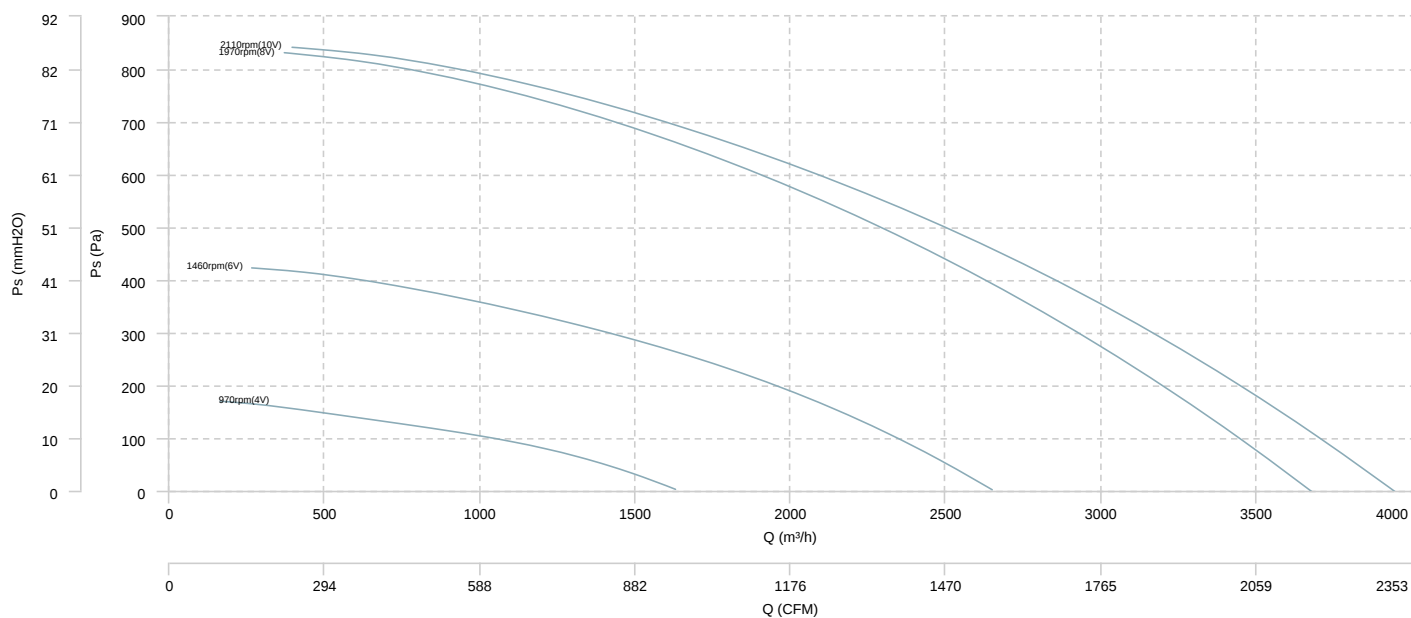


## AIR FLOW - MECHANICAL POWER

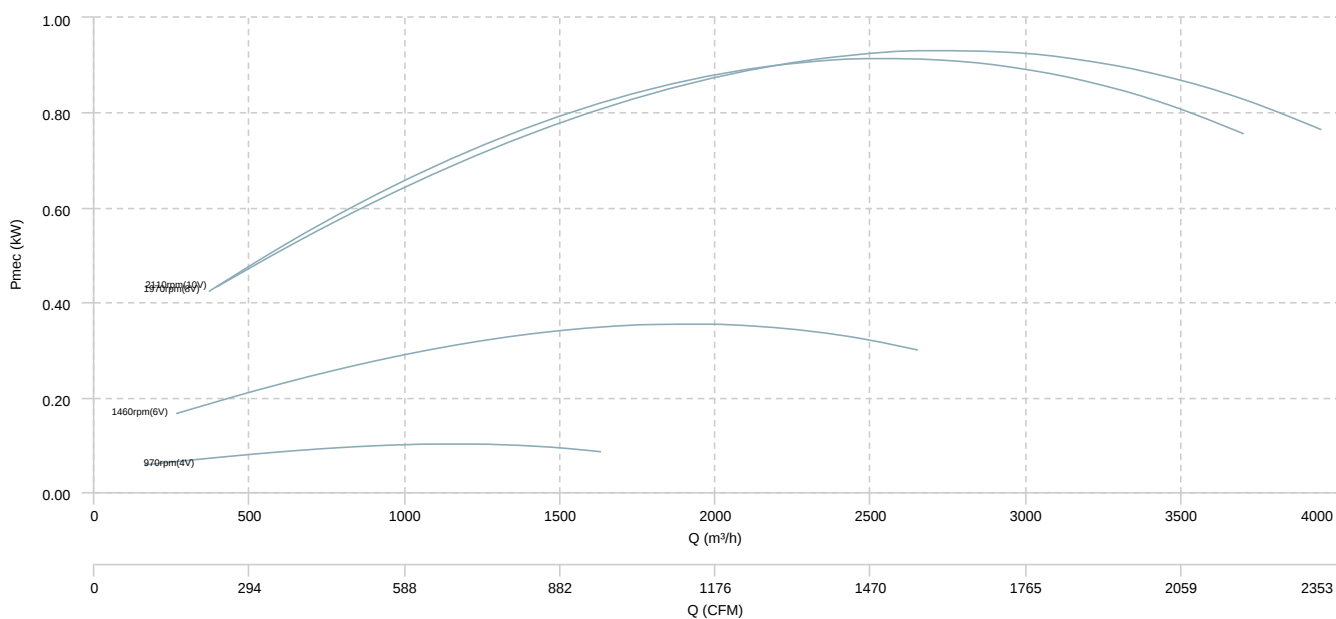


SBC-3 FILTER (ISO  
Coarse $\geq$ 60%+ePM1 $\geq$ 50%  
) 450 EEC

## AIR FLOW - PRESSURE

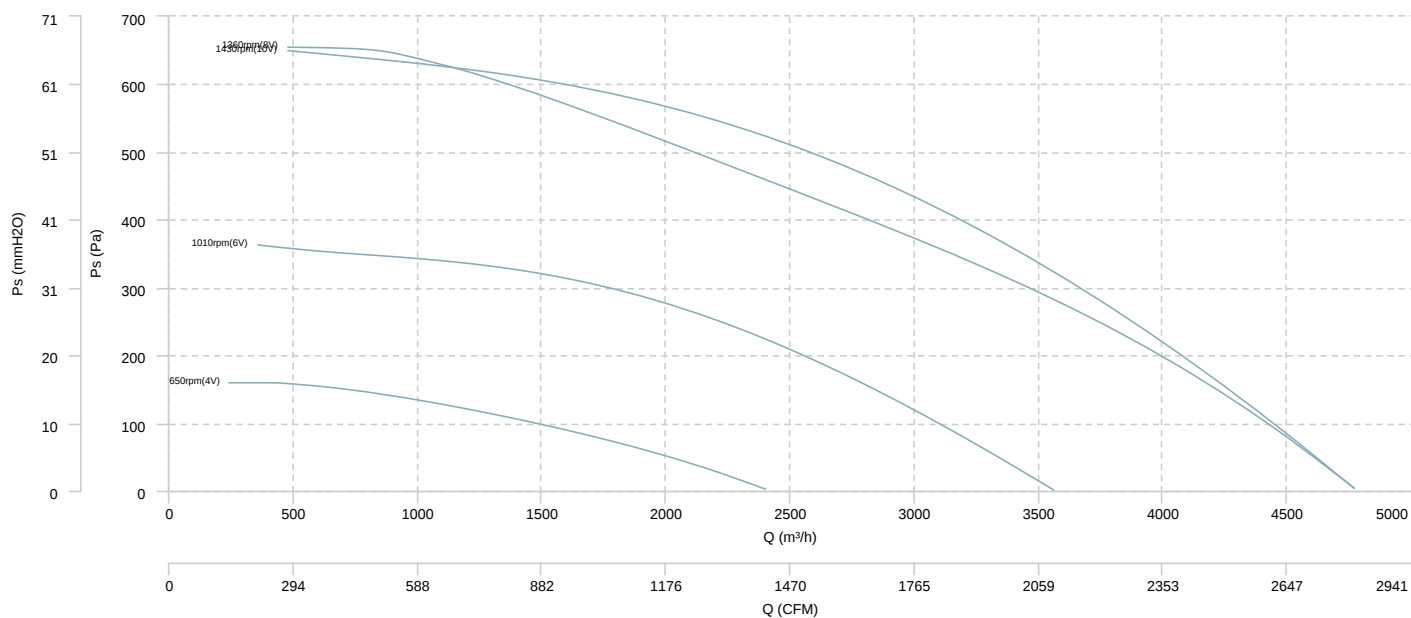


## AIR FLOW - MECHANICAL POWER

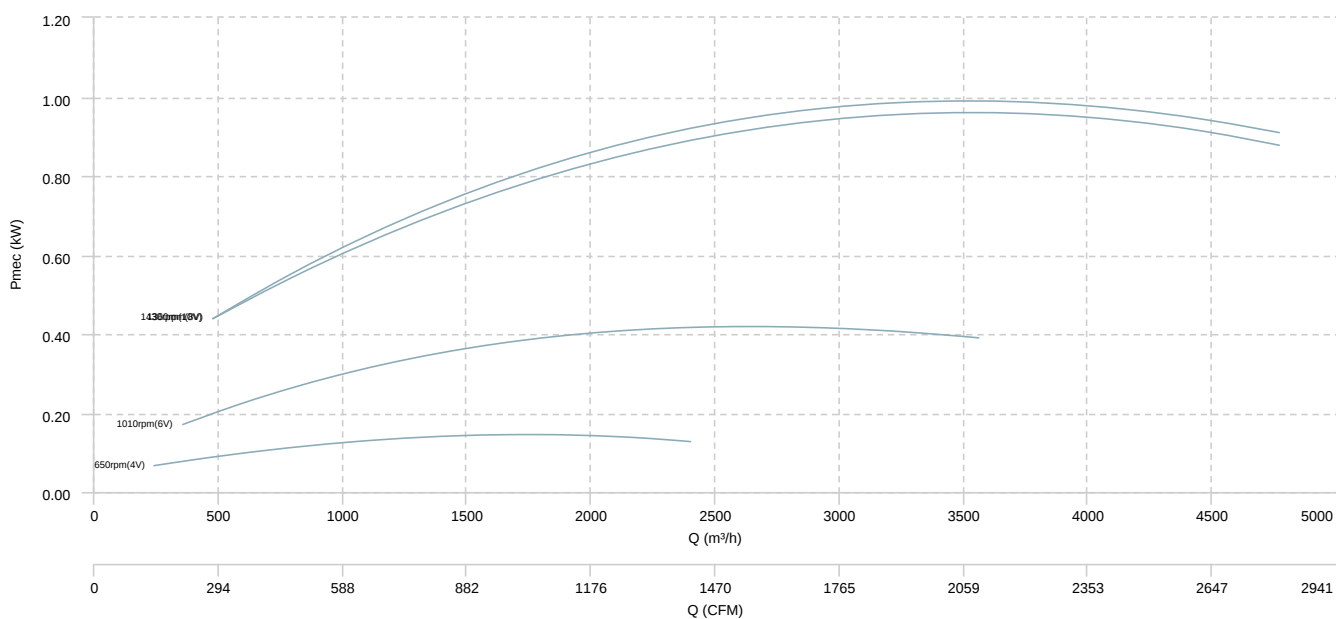


SBC-3 FILTER (ISO  
Coarse $\geq$ 60%+ePM1 $\geq$ 50%  
) 500 EEC

## AIR FLOW - PRESSURE

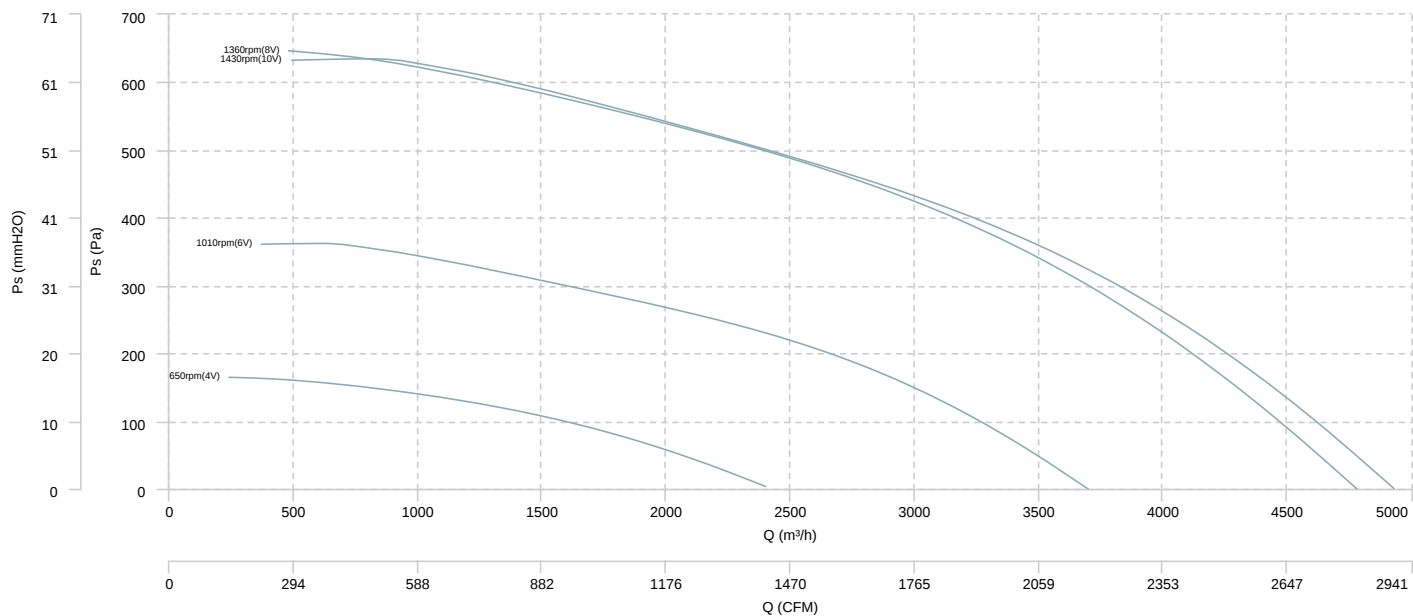


## AIR FLOW - MECHANICAL POWER

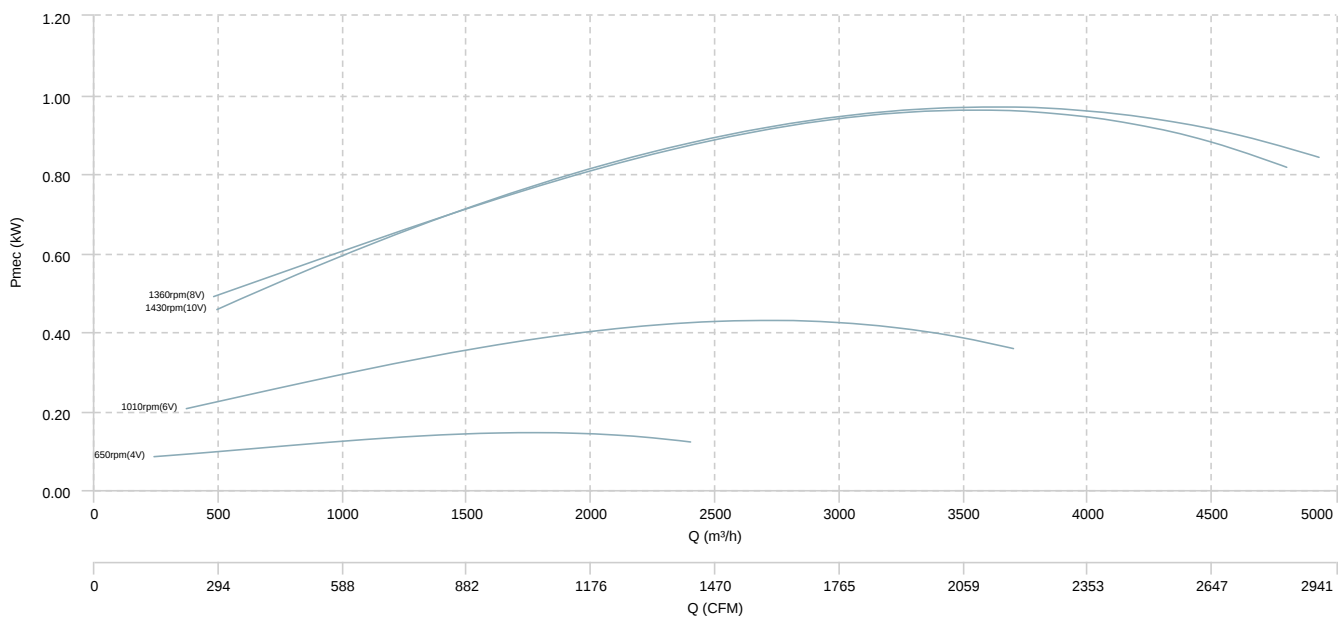


SBC-3 FILTER (ISO  
Coarse $\geq$ 60%+ePM1 $\geq$ 50%  
) 560 EEC

### AIR FLOW - PRESSURE



### AIR FLOW - MECHANICAL POWER



## Sound data

| Sound power Lw dB (A)                                                             |          |       |        |        |        |         |         |         |         |       |
|-----------------------------------------------------------------------------------|----------|-------|--------|--------|--------|---------|---------|---------|---------|-------|
| Model                                                                             |          | 63 Hz | 125 Hz | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz | 8000 Hz | Total |
| SBC-3 FILTER (ISO Coarse $\geq$ 60%)<br>125 EEC (3325rpm (7V))                    | Radiated | 33    | 23     | 40     | 52     | 57      | 62      | 52      | 45      | 64    |
| SBC-3 FILTER (ISO Coarse $\geq$ 60%)<br>150 EEC (2050rpm (5V))                    | Radiated | 9     | 16     | 31     | 44     | 52      | 55      | 48      | 40      | 58    |
| SBC-3 FILTER (ISO Coarse $\geq$ 60%)<br>160 EEC (2920rpm (7V))                    | Radiated | 18    | 25     | 40     | 53     | 61      | 64      | 57      | 49      | 66    |
| SBC-3 FILTER (ISO Coarse $\geq$ 60%)<br>200 EEC (1130rpm(4V))                     | Radiated | 3     | 17     | 41     | 48     | 51      | 50      | 42      | 28      | 55    |
| SBC-3 FILTER (ISO Coarse $\geq$ 60%)<br>250 EEC (1130rpm(4V))                     | Radiated | 3     | 17     | 41     | 48     | 51      | 50      | 42      | 28      | 55    |
| SBC-3 FILTER (ISO Coarse $\geq$ 60%)<br>315 EEC (1130rpm(4V))                     | Radiated | 3     | 17     | 41     | 48     | 51      | 50      | 42      | 28      | 55    |
| SBC-3 FILTER (ISO Coarse $\geq$ 60%)<br>355 EEC (1920rpm (7V))                    | Radiated | 14    | 33     | 49     | 59     | 60      | 55      | 47      | 39      | 64    |
| SBC-3 FILTER (ISO Coarse $\geq$ 60%)<br>400 EEC (1720rpm (7V))                    | Radiated | 29    | 45     | 62     | 67     | 69      | 63      | 55      | 45      | 72    |
| SBC-3 FILTER (ISO Coarse $\geq$ 60%)<br>450 EEC (1210rpm (5V))                    | Radiated | 21    | 37     | 54     | 59     | 61      | 55      | 47      | 37      | 64    |
| SBC-3 FILTER (ISO Coarse $\geq$ 60%)<br>500 EEC (830rpm (5V))                     | Radiated | 23    | 39     | 43     | 53     | 55      | 48      | 38      | 30      | 58    |
| SBC-3 FILTER (ISO Coarse $\geq$ 60%)<br>560 EEC (1190rpm (7V))                    | Radiated | 31    | 47     | 51     | 61     | 63      | 56      | 46      | 38      | 66    |
| SBC-3 FILTER (ISO<br>Coarse $\geq$ 60%+ePM1 $\geq$ 50%) 125<br>EEC (2270rpm (5V)) | Radiated | 25    | 15     | 32     | 44     | 49      | 54      | 44      | 37      | 56    |
| SBC-3 FILTER (ISO<br>Coarse $\geq$ 60%+ePM1 $\geq$ 50%) 150<br>EEC (2050rpm (5V)) | Radiated | 9     | 16     | 31     | 44     | 52      | 55      | 48      | 40      | 58    |
| SBC-3 FILTER (ISO<br>Coarse $\geq$ 60%+ePM1 $\geq$ 50%) 160<br>EEC (2920rpm (7V)) | Radiated | 18    | 25     | 40     | 53     | 61      | 64      | 57      | 49      | 66    |
| SBC-3 FILTER (ISO<br>Coarse $\geq$ 60%+ePM1 $\geq$ 50%) 200<br>EEC (1130rpm(4V))  | Radiated | 3     | 17     | 41     | 48     | 51      | 50      | 42      | 28      | 55    |
| SBC-3 FILTER (ISO<br>Coarse $\geq$ 60%+ePM1 $\geq$ 50%) 250<br>EEC (1130rpm(4V))  | Radiated | 3     | 17     | 41     | 48     | 51      | 50      | 42      | 28      | 55    |
| SBC-3 FILTER (ISO<br>Coarse $\geq$ 60%+ePM1 $\geq$ 50%) 315<br>EEC (1130rpm(4V))  | Radiated | 3     | 17     | 41     | 48     | 51      | 50      | 42      | 28      | 55    |
| SBC-3 FILTER (ISO<br>Coarse $\geq$ 60%+ePM1 $\geq$ 50%) 355<br>EEC (1920rpm (7V)) | Radiated | 14    | 33     | 49     | 59     | 60      | 55      | 47      | 39      | 64    |

| Sound power Lw dB (A)                                         |          |       |        |        |        |         |         |         |         |       |
|---------------------------------------------------------------|----------|-------|--------|--------|--------|---------|---------|---------|---------|-------|
| Model                                                         |          | 63 Hz | 125 Hz | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz | 8000 Hz | Total |
| SBC-3 FILTER (ISO Coarse≥60%+ePM1≥50%) 400 EEC (1210rpm (5V)) | Radiated | 21    | 37     | 54     | 59     | 61      | 55      | 47      | 37      | 64    |
| SBC-3 FILTER (ISO Coarse≥60%+ePM1≥50%) 450 EEC (1720rpm (7V)) | Radiated | 29    | 45     | 62     | 67     | 69      | 63      | 55      | 45      | 72    |
| SBC-3 FILTER (ISO Coarse≥60%+ePM1≥50%) 500 EEC (1190rpm (7V)) | Radiated | 31    | 47     | 51     | 61     | 63      | 56      | 46      | 38      | 66    |
| SBC-3 FILTER (ISO Coarse≥60%+ePM1≥50%) 560 EEC (1190rpm (7V)) | Radiated | 31    | 47     | 51     | 61     | 63      | 56      | 46      | 38      | 66    |

## Notes:

\* To calculate the sound power level at different rpm from those indicated above, use the following formula:

$$Lw \text{ dB(A)}_{rpmA} = Lw \text{ dB(A)}_{rpmB} + 52.5 \cdot \log_{10} \frac{rpmA}{rpmB}$$

## erp data

| ERP            |                                              |
|----------------|----------------------------------------------|
| Fan type       | Unit for non-residential ventilation (LOT 6) |
| Typology       | Static                                       |
| Others         | Outlet and Inlet free discharge              |
| Type of driver | -                                            |

| Model                                                | Motor power (kW) | Maximum efficiency point data |                     |           |                 |         |             |              |
|------------------------------------------------------|------------------|-------------------------------|---------------------|-----------|-----------------|---------|-------------|--------------|
|                                                      |                  | Eff.Heat recovery (%)         | Max. efficiency (%) | Pabs (kW) | Air Flow (m³/h) | Ps (Pa) | Speed (m/s) | SFP (W/m³/s) |
| SBC-3 FILTER (ISO Coarse≥60%) 200 EEC (2350rpm(8V))  | 0                | -                             | 32,84               | 0,19      | 489,33          | 468,79  | 4.33        | 1.435,26     |
| SBC-3 FILTER (ISO Coarse≥60%) 200 EEC (2500rpm(10V)) | 0                | -                             | 32,70               | 0,19      | 474,47          | 472,31  | 4.2         | 1.435,26     |
| SBC-3 FILTER (ISO Coarse≥60%) 250 EEC (2350rpm(8V))  | 0                | -                             | 33,89               | 0,22      | 691,28          | 379,17  | 3.91        | 1.098,83     |
| SBC-3 FILTER (ISO Coarse≥60%) 250 EEC (2500rpm(10V)) | 0                | -                             | 34,39               | 0,22      | 706,40          | 375,49  | 4           | 1.098,83     |
| SBC-3 FILTER (ISO Coarse≥60%) 315 EEC (2350rpm(8V))  | 0                | -                             | 41,28               | 0,21      | 820,42          | 376,18  | 2.92        | 902,12       |
| SBC-3 FILTER (ISO Coarse≥60%) 315 EEC (2500rpm(10V)) | 0                | -                             | 41,66               | 0,21      | 844,27          | 379,40  | 3.01        | 902,12       |
| SBC-3 FILTER (ISO Coarse≥60%) 355 EEC (1640rpm(6V))  | 0                | -                             | 41,53               | 0,20      | 888,88          | 334,46  | 2.49        | 1.463,21     |
| SBC-3 FILTER (ISO Coarse≥60%) 355 EEC (2210rpm(8V))  | 0                | -                             | 41,37               | 0,45      | 1.112,19        | 599,40  | 3.12        | 1.463,21     |
| SBC-3 FILTER (ISO Coarse≥60%) 355 EEC (2350rpm(10V)) | 0                | -                             | 43,81               | 0,45      | 1.098,62        | 647,42  | 3.08        | 1.463,21     |
| SBC-3 FILTER (ISO Coarse≥60%) 400 EEC (1460rpm(6V))  | 0                | -                             | 43,12               | 0,33      | 1.448,79        | 352,61  | 3.2         | 1.555,07     |
| SBC-3 FILTER (ISO Coarse≥60%) 400 EEC (1970rpm(8V))  | 0                | -                             | 45,72               | 0,78      | 1.955,46        | 652     | 4.32        | 1.555,07     |
| SBC-3 FILTER (ISO Coarse≥60%) 400 EEC (2110rpm(10V)) | 0                | -                             | 40,90               | 0,80      | 1.850,52        | 624,35  | 4.09        | 1.555,07     |
| SBC-3 FILTER (ISO Coarse≥60%) 450 EEC (1460rpm(6V))  | 0                | -                             | 42,31               | 0,34      | 1.613,77        | 304,28  | 2.82        | 1.333,29     |
| SBC-3 FILTER (ISO Coarse≥60%) 450 EEC (1970rpm(8V))  | 0                | -                             | 42,98               | 0,87      | 2.173,99        | 600,14  | 3.8         | 1.333,29     |
| SBC-3 FILTER (ISO Coarse≥60%) 450 EEC (2110rpm(10V)) | 0                | -                             | 47,33               | 0,88      | 2.380,70        | 612,21  | 4.16        | 1.333,29     |
| SBC-3 FILTER (ISO Coarse≥60%) 500 EEC (650rpm(4V))   | 0                | -                             | 36,06               | 0,14      | 1.459,45        | 117,06  | 2.06        | 1.121,67     |
| SBC-3 FILTER (ISO Coarse≥60%) 500 EEC (1010rpm(6V))  | 0                | -                             | 44,58               | 0,39      | 2.133,42        | 294,92  | 3.02        | 1.121,67     |

| Model                                                         | Motor power (kW) | Maximum efficiency point data |                     |           |                 |         |             |              |
|---------------------------------------------------------------|------------------|-------------------------------|---------------------|-----------|-----------------|---------|-------------|--------------|
|                                                               |                  | Eff.Heat recovery (%)         | Max. efficiency (%) | Pabs (kW) | Air Flow (m³/h) | Ps (Pa) | Speed (m/s) | SFP (W/m³/s) |
| SBC-3 FILTER (ISO Coarse≥60%) 500 EEC (1430rpm(10V))          | 0                | -                             | 46,40               | 0,91      | 2.910,35        | 512,72  | 4.12        | 1.121,67     |
| SBC-3 FILTER (ISO Coarse≥60%) 560 EEC (1360rpm(8V))           | 1,01             | -                             | 46,61               | 0,91      | 3.003,30        | 491,69  | 3.39        | 1.052,09     |
| SBC-3 FILTER (ISO Coarse≥60%) 560 EEC (650rpm(4V))            | 0                | -                             | 38,94               | 0,14      | 1.465,73        | 126,16  | 1.65        | 1.052,09     |
| SBC-3 FILTER (ISO Coarse≥60%) 560 EEC (1010rpm(6V))           | 0                | -                             | 46,23               | 0,41      | 2.345,77        | 277,07  | 2.65        | 1.052,09     |
| SBC-3 FILTER (ISO Coarse≥60%) 560 EEC (1430rpm(10V))          | 0                | -                             | 47,74               | 0,93      | 3.164,27        | 485,72  | 3.57        | 1.052,09     |
| SBC-3 FILTER (ISO Coarse≥60%+ePM1≥50%) 315 EEC (2500rpm(10V)) | 0                | -                             | 32,41               | 0,21      | 674,76          | 361,03  | 2.41        | 1.123,25     |
| SBC-3 FILTER (ISO Coarse≥60%+ePM1≥50%) 355 EEC (1640rpm(6V))  | 0                | -                             | 37,17               | 0,20      | 807,65          | 334,47  | 2.27        | 1.544,10     |
| SBC-3 FILTER (ISO Coarse≥60%+ePM1≥50%) 355 EEC (2210rpm(8V))  | 0                | -                             | 38,32               | 0,45      | 1.010,70        | 617,16  | 2.84        | 1.544,10     |
| SBC-3 FILTER (ISO Coarse≥60%+ePM1≥50%) 355 EEC (2350rpm(10V)) | 0                | -                             | 40,52               | 0,45      | 1.057,18        | 631,55  | 2.97        | 1.544,10     |