

# SB / SBC-3 PLUS EEC

Centrifugal fan in soundproof low profile box, external rotor EC motor  
Centrífugo en caja aislada de bajo perfil, motor EC de rotor exterior



### MANUFACTURING FEATURES

- Inline ventilation box made of galvanized steel with rectangular (SB-3 PLUS EEC) or circular (SBC-3 PLUS EEC) connection flanges. 40mm thick rock wool insulation.
- Self-cleaning impeller with back curved (backward) blades of high performance and single inlet, direct driven. Dynamically balanced to minimize noise and vibrations. Polyamide reinforced impeller for models 3015 and 4020 (SB-3 PLUS EEC) and for models 125, 150 and 160 (SBC-3 PLUS EEC) and aluminum plate for the rest.
- High-efficiency, low-noise external rotor EC motor. Speed control through a 0-10V or PWM signal. Single-phase 230V 50/60Hz power supply for models with circular inlet (SBC-3 PLUS EEC) from Ø125 to Ø355, and for models with rectangular inlet (SB-3 PLUS EEC) from 3015 to 6040. Three-phase power supply 400V 50/60Hz for circular inlet models from Ø400 to Ø560, and for models with rectangular inlet from 7050 to 8060mm. IP44 motor and class B insulation.

### APPLICATIONS

- Designed for duct installation, they are indicated for:
- Air renovations in bathrooms and small rooms.
  - Perfect for false ceiling installation.
  - Working temperature range from -20°C to 60°C.

### CARACTERÍSTICAS CONSTRUCTIVAS

- Caja de ventilación inline construida en acero galvanizado con bridas de conexión rectangulares (SB-3 PLUS EEC) o circulares (SBC-3 PLUS EEC). Aislamiento de lana de roca de 40mm de espesor.
- Turbina autolimpiante de álabes curvados hacia atrás (a reacción) de alto rendimiento y simple oído, accionamiento directo. Equilibrada dinámicamente para minimizar el ruido y las vibraciones. Turbina de poliamida reforzada para los modelos 3015 y 4020 (SB-3 PLUS EEC) y para los modelos 125, 150 y 160 (SBC-3 PLUS EEC) y chapa de aluminio para el resto.
- Motor EC de rotor exterior de alta eficiencia y bajo nivel sonoro. Control de velocidad a través de una señal 0-10V o PWM. Alimentación monofásica 230V 50/60Hz para modelos con boca circular (SBC-3 PLUS EEC) de Ø125 a Ø355, y para modelos con boca rectangular (SB-3 PLUS EEC) de 3015 hasta 6040. Alimentación trifásica 400V 50/60Hz para tamaños de boca circular Ø400 a Ø560, y para modelos con boca rectangular de 7050 a 8060mm. Motor IP44 y aislamiento clase B.

### APLICACIONES

- Diseñados para la instalación en conducto, son indicados para:
- Renovaciones de aire en baños y locales pequeños.
  - Perfectos para montaje en falso techo.
  - Rango de temperatura de trabajo de -20°C a 60°C.

## ACCESSORIES / accesorios



## SB-3 PLUS EEC

### SINGLE PHASE RANGE / serie monofásica

Code	Model	R.P.M.	Rated I (A) 230V	Rated Power kW	Air flow m³/h	Sound dB (A)	Weight Kg	Connect. diagram
240150444	SB-3 PLUS 3015 EEC	3950	0,25	0,06	445	43	8	1
240190444	SB-3 PLUS 4020 EEC	3570	0,73	0,1	715	46	11,5	1
240250444	SB-3 PLUS 5035 EEC	2500	1	0,15	1.600	48	17	1
240310444	SB-3 PLUS 6040 EEC	2350	1,7	0,36	3.070	52	25,5	1

### THREE PHASE RANGE / serie trifásica

Code	Model	Rated R.P.M.	Rated I (A) 400V	Rated Power kW	Air flow m³/h	Sound dB (A)	Weight Kg	Connect. diagram
240350444	SB-3 PLUS 7050 EEC	2100	1,63	0,99	4.920	52	42	2
240450444	SB-3 PLUS 8060 EEC	1450	1,67	1,01	6.790	45	54	2

### SBC-3 PLUS EEC

#### SINGLE PHASE RANGE / serie monofásica

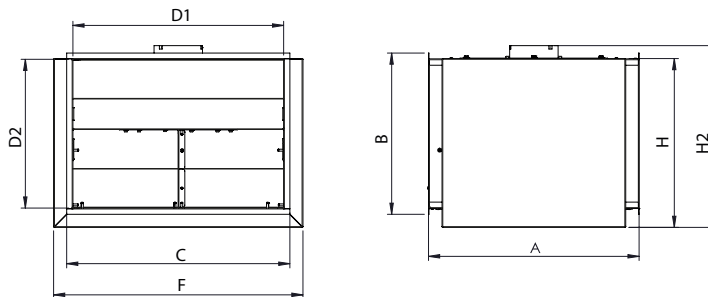
Code	Model	R.P.M.	Rated I (A) 230V	Rated Power kW	Air flow m <sup>3</sup> /h	Sound dB (A)	Weight Kg	Connect. diagram
SBCP3125EC	SBC-3 PLUS 125 EEC	3950	0,25	0,06	400	43	9	1
SBCP3150EC	SBC-3 PLUS 150 EEC	3570	0,73	0,1	610	45	13,5	1
SBCP3160EC	SBC-3 PLUS 160 EEC	3570	0,73	0,1	640	46	13,5	1
SBCP3200EC	SBC-3 PLUS 200 EEC	2500	1	0,15	1.300	46	20	1
SBCP3250EC	SBC-3 PLUS 250 EEC	2500	1	0,15	1.370	47	20	1
SBCP3315EC	SBC-3 PLUS 315 EEC	2500	1	0,15	1.440	48	20	1
SBCP3355EC	SBC-3 PLUS 355 EEC	2350	1,7	0,36	2.760	52	30,5	1

#### THREE PHASE RANGE / serie trifásica

Code	Model	Rated R.P.M.	Rated I (A) 400V	Rated Power kW	Air flow m <sup>3</sup> /h	Sound dB (A)	Weight Kg	Connect. diagram
SBCP3400EC	SBC-3 PLUS 400 EEC	2100	1,63	0,99	4.210	51	52	2
SBCP3450EC	SBC-3 PLUS 450 EEC	2100	1,63	0,99	4.430	52	52	2
SBCP3500EC	SBC-3 PLUS 500 EEC	1450	1,67	1,01	5.800	44	72	2
SBCP3560EC	SBC-3 PLUS 560 EEC	1450	1,67	1,01	6.110	45	72	2

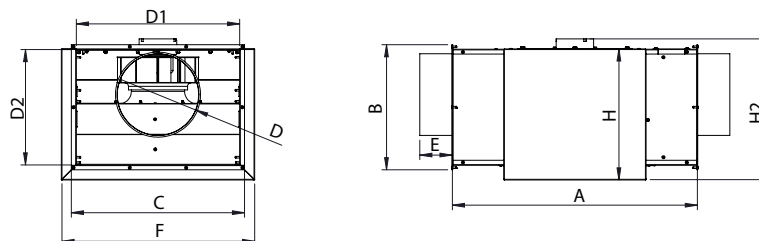
### DIMENSIONS / dimensiones (mm)

#### SB-3 PLUS EEC



MODEL	A1	B	C	D1	D2	H	H2
SB-3 PLUS 3015 EEC	300	180	330	300	150	199	225
SB-3 PLUS 4020 EEC	400	230	430	400	200	249	274,5
SB-3 PLUS 5035 EEC	500	383	530	500	353	402	431
SB-3 PLUS 6040 EEC	600	430	630	600	400	450	491
SB-3 PLUS 7050 EEC	700	530	730	700	500	550	605
SB-3 PLUS 8060 EEC	900	631	830	800	601	651	706

#### SBC-3 PLUS EEC



MODEL	A1	B	C	D1	D2	H	H2
SBC-3 PLUS 125 EEC	520	180	330	125	98	199	225
SBC-3 PLUS 150 EEC	620	230	430	150	98	249	274,5
SBC-3 PLUS 160 EEC	620	230	430	160	98	249	274,5
SBC-3 PLUS 200 EEC	750	383	530	200	98	402	431
SBC-3 PLUS 250 EEC	750	383	530	250	98	402	431
SBC-3 PLUS 315 EEC	750	383	530	315	98	402	431
SBC-3 PLUS 355 EEC	900	430	630	355	98	450	491
SBC-3 PLUS 400 EEC	1050	530	730	400	98	550	605
SBC-3 PLUS 450 EEC	1050	530	730	450	98	550	605
SBC-3 PLUS 500 EEC	1350	631	830	500	98	651	706
SBC-3 PLUS 560 EEC	1350	631	830	560	98	651	706

**CONNECTION DIAGRAMS / esquema de conexiones**

**SB-3 & SBC-3 PLUS EEC**

**1 SINGLE PHASE / monofásica**

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

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

**2 THREE PHASE / trifásica**

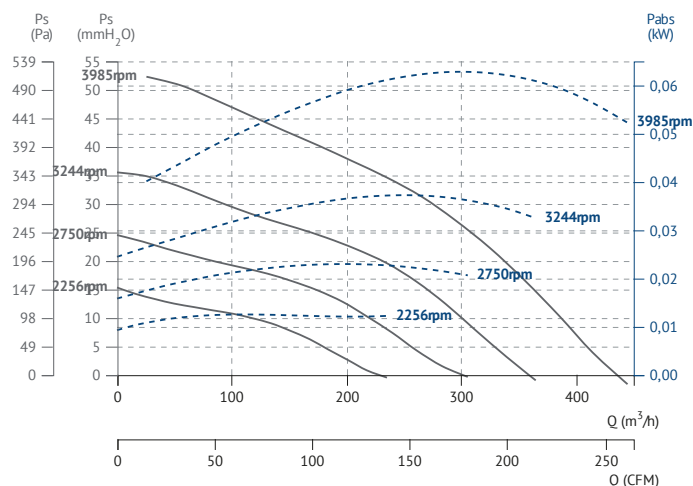
Nº	Signal Señal	Colour Color	Specification Especificación
1	L1	Black Negro	AC380V-50/60Hz
2	L2	Black Negro	AC380V-50/60Hz
3	L3	Black Negro	AC380V-50/60Hz
4	Pe	Yellow-Green Amarillo-Verde	

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

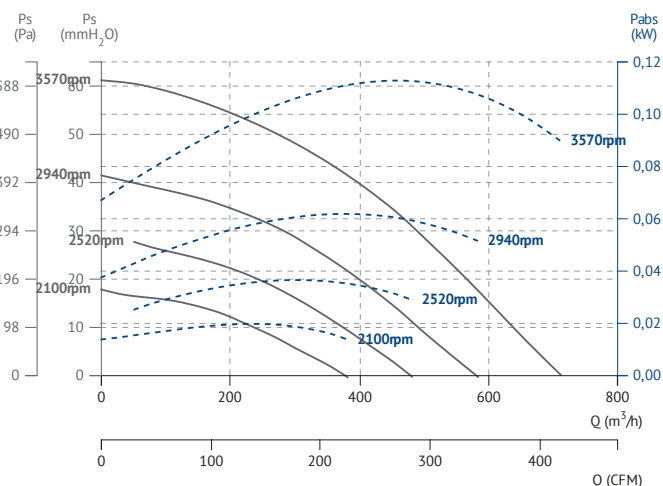
**CHARACTERISTIC CURVES / curvas características**

**SB-3 PLUS EEC**

**SB-3 PLUS 3015 EEC**



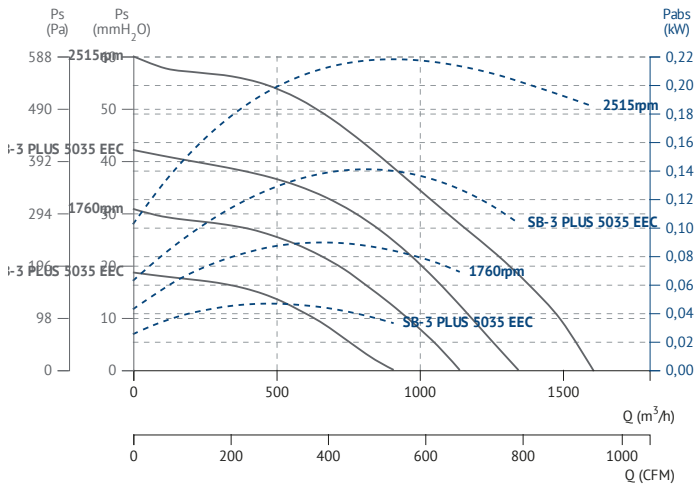
**SB-3 PLUS 4020 EEC**



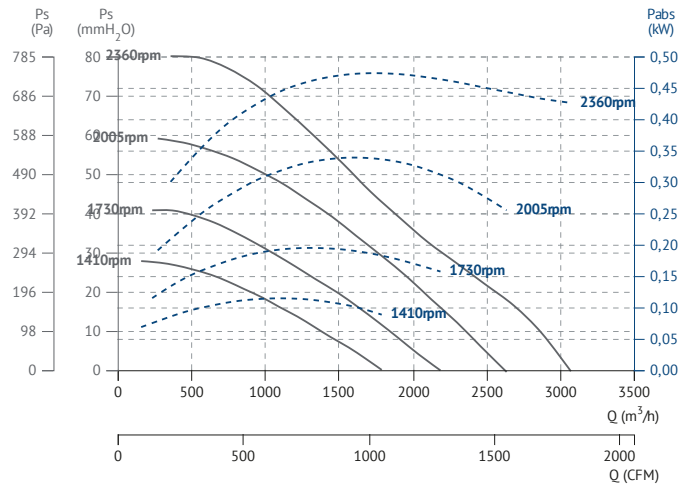


Cajas de ventilación inline

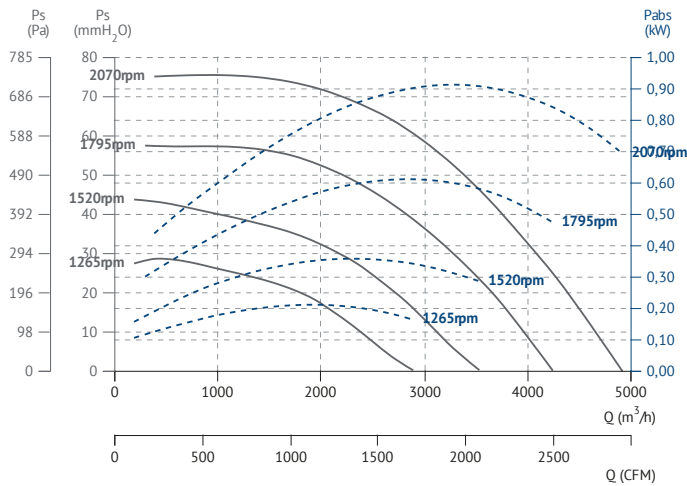
**SB-3 PLUS 5035 EEC**



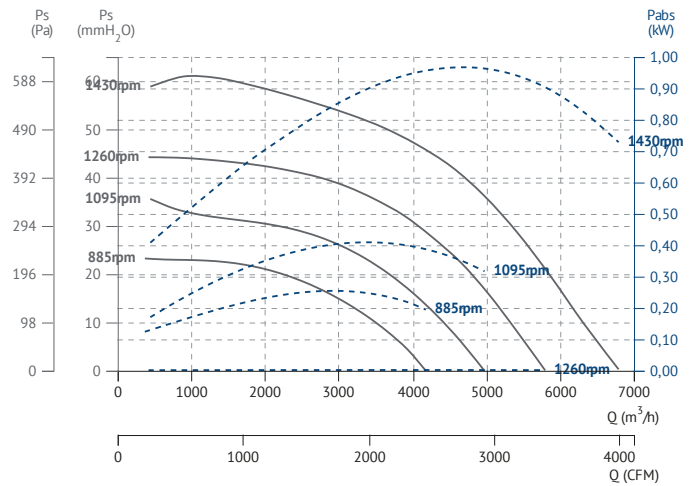
**SB-3 PLUS 6040 EEC**



**SB-3 PLUS 7050 EEC**



**SB-3 PLUS 8060 EEC**



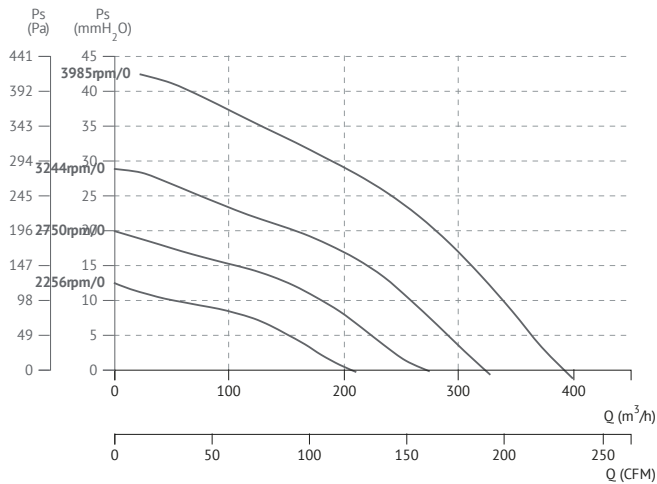


Cajas de ventilación inline

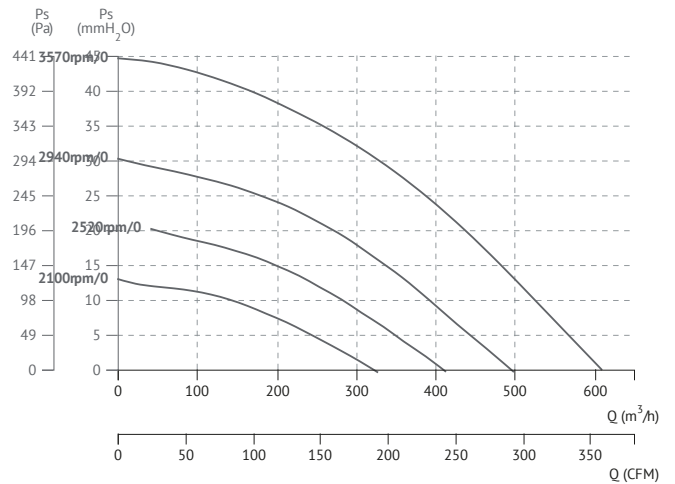
CHARACTERISTIC CURVES / curvas características

SBC-3 PLUS EEC

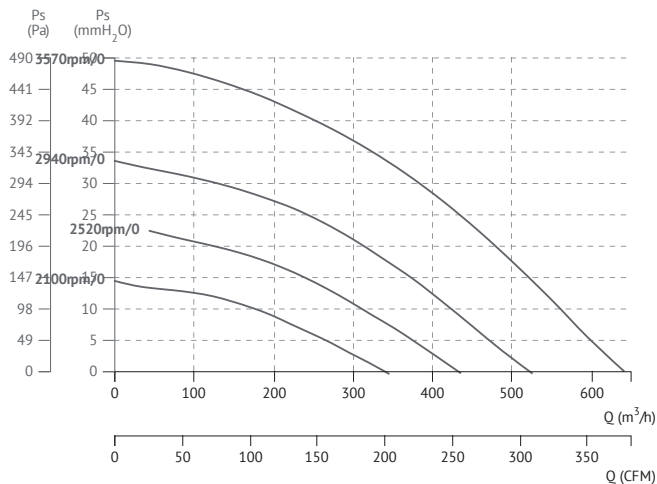
SBC-3 PLUS 125 EEC



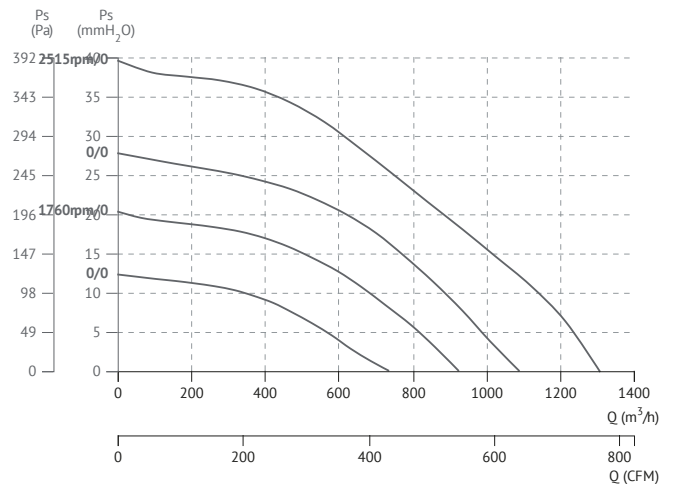
SBC-3 PLUS 150 EEC



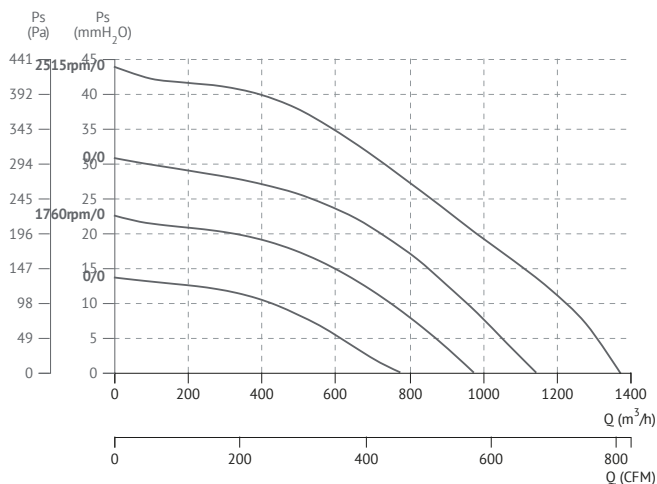
SBC-3 PLUS 160 EEC



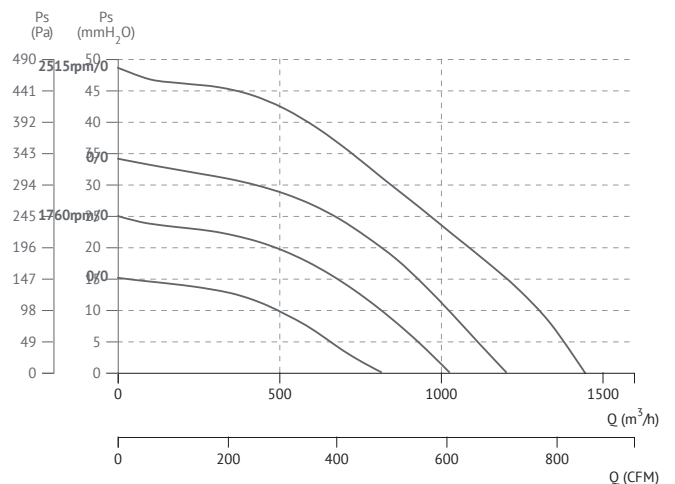
SBC-3 PLUS 200 EEC



SBC-3 PLUS 250 EEC



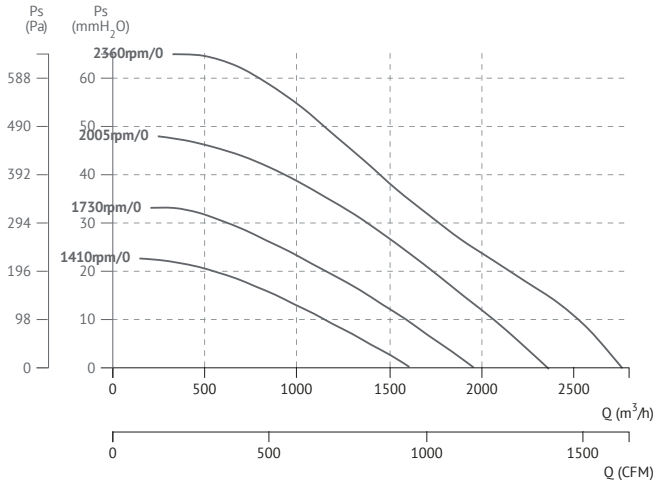
SBC-3 PLUS 315 EEC



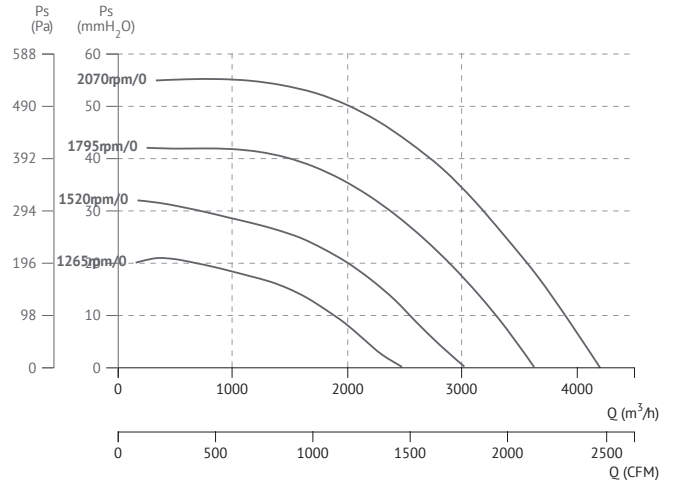


Cajas de ventilación inline

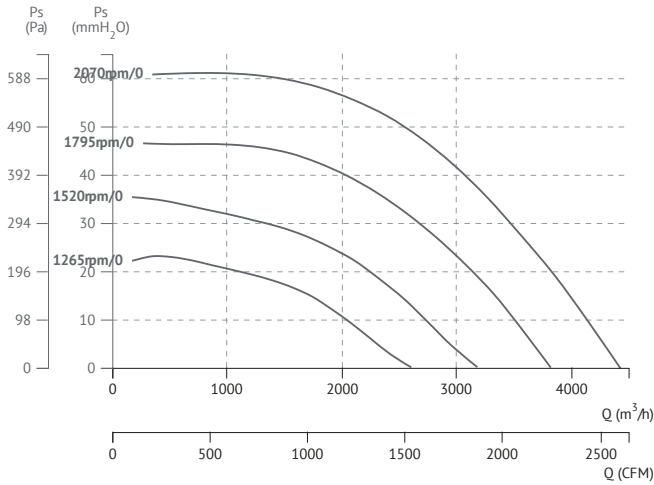
SBC-3 PLUS 355 EEC



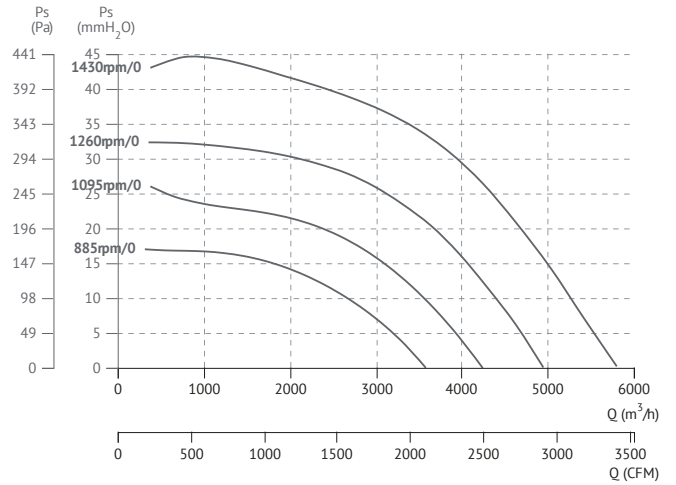
SBC-3 PLUS 400 EEC



SBC-3 PLUS 450 EEC



SBC-3 PLUS 500 EEC



SBC-3 PLUS 560 EEC

