

Extra flat fan box with EC motor type BFS-A-I EC

Sound-dampening centrifugal fan box with EC motor and safety switch, with or without pressure controlled or constant flow regulation (Regulo)

Application

- Ventilation in rooms with little available space that require a low noise level, such as offices, restaurants, hotels,...
- Convenient for indoor or outdoor mounting
- Convenient for air supply and extraction

Composition

- Housing in galvanized plate steel
- Removable cover by screws for maintenance
- Integrated thermal protection
- Isolation: 25 mm rockwool (50-62 kg/m³)
- Fire class A1 according to EN13501-1
- Mounting feet with fastening
- Round connections with sealing on the air supply and extraction
- Integrated operating switch IP65 with lock standardly provided
- Equipped with built-in potentiometer for one-off speed setting
- Turnbuckle for electric supply of the motor directly on the operation switch

Fan

- Non residential ventilation unit with single flow direction
- Housing and spiral casing in galvanized plate steel 10/10
- Centrifugal ventilator with backward curved impeller
- Electric supply: mono phased 230V
- Integrated thermal safety device
- Soft start
- Modulating flow rate:
 - Constant flow regulation (regulation by 0-10V signal) for model BFS-A-I EC
 - Constant pressure or constant flow regulation (to decide on-site) for model BFS-A-I EC REGULO
- Integrated speed controller on the fan (only models with REGULO)

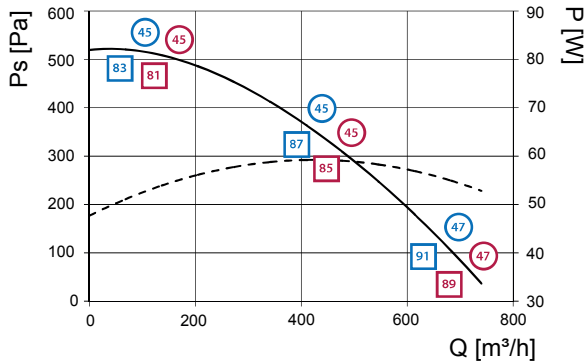
Accessories

- Potentiometer, type **ESCP010** (for model without REGULO)
- Supple connection pieces, type **MTS**

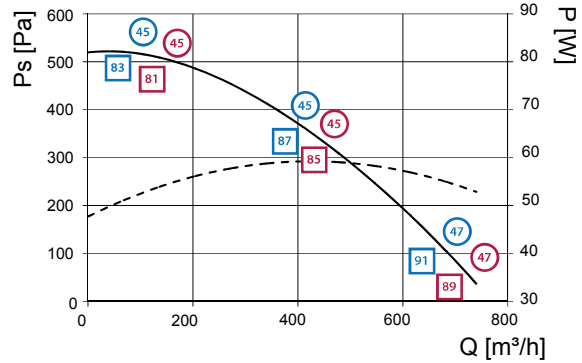
Air performance data					
	Q [m³/h]				
	100Pa	200Pa	300Pa	400Pa	500Pa
BFSAHP-I EC 125 - 160	-	460	328	298	186
BFSAHP-I EC 200 - 250	-	1050	919	788	588
BFSA-I EC 315	1544	1320	981	254	-
BFSA-I EC 355	1797	1721	1566	1419	1296
BFSA-I EC 400	2925	2849	2601	2219	1782

Selection curves

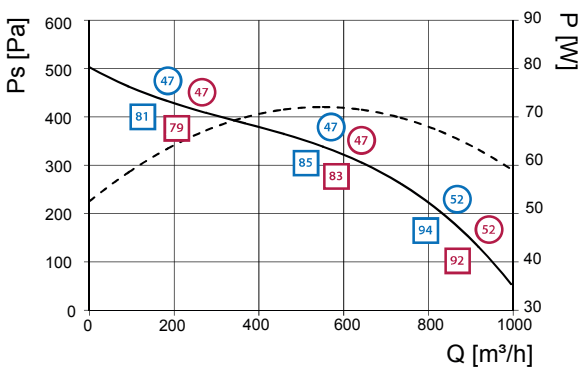
BFSA-I EC 125



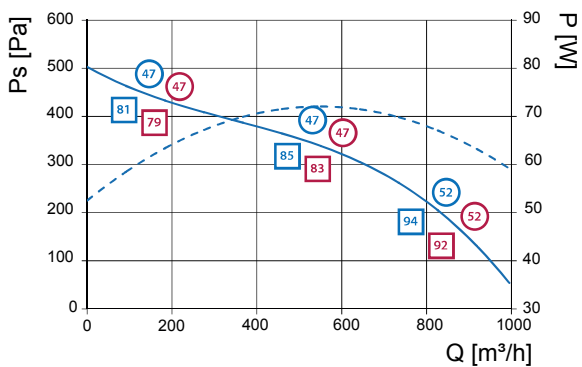
BFSA-I EC 160



BFSA-I EC 200



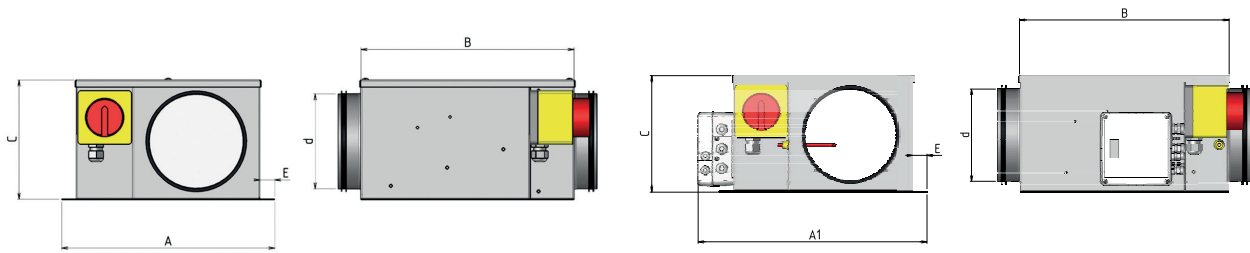
BFSA-I EC 250



- Value in circle = Sound pressure Lpa in dB (A) at a distance of 4 m in the free field, suction connected
- Value in square = Sound power Lwa in dB (A) on the suction
- Q [m³/h] = Air flow
- Ps [Pa] = Static pressure
- P [W] = Absorbed power

	Technical data								Lwa [dB(A)]		
	U [V]	P [W]	I [A]	SCp**	Tu [°C]	To [°C]	IP	Lwa 5	Lwa 6	Lwa 2	
BFSAHP-I EC 125-160	230	95	0.73	ESCP010	40°C	-20°C	IP 44 / B	64	58	64	
BFSAHP-I EC 200-250	230	180	1.6	ESCP010	40°C	-20°C	IP 44 / B	64	60	65	
BFSA-I EC 315	230	105	0.75	ESCP010	40°C	-20°C	IP 44 / B	66	64	67	
BFSA-I EC 355	230	400	1.9	ESCP010	40°C	-20°C	IP 44 / B	67	65	67	
BFSA-I EC 400	230	1074	4.62	ESCP010	40°C	-20°C	IP 44 / B	79	74	75	

- SCp = Potentiometer 0-10V
 - ** Potentiometer only applicable to models without REGULO
- Tu = Maximum ambient temperature
- To = Minimum operating temperature
- Lwa 2 = Casing sound power level
- Lwa 5 = Sound power level @inlet
- Lwa 6 = Sound power level @outlet



	Dimensions						
	A [mm]	A1 [mm]	B [mm]	C [mm]	d [mm]	E [mm]	[kg]
BFSAHP-I EC 125-160	400	400	360	200	125/160	23	11
BFSAHP-I EC 200-250	500	400	360	300	200/250	23	14.5
BFSA-I EC 315	540	550	510	380	315	23	17
BFSA-I EC 355	640	600	560	420	355	23	20
BFSA-I EC 400	640	600	560	470	400	23	26.5