

Extra flat fan box - 25 mm insulation and safety switch type BFS-A-I

Acoustically insulated (25 mm rockwool / 50-62 kg/m³) centrifugal fan box with safety switch

Application

- **BFS-A-I** fans are used for ventilation in many applications where there is not a lot of space and low noise levels have to be respected, such as offices, restaurants, technical rooms or other.
- Convenient for air supply and extraction
- Indoor and outdoor installation possible without additional accessories

Composition

- Casing of galvanized steel
- Removable cover by screws for maintenance
- Round connectors in line with double joints
- Integrated thermal protection
- Isolation: 25 mm rockwool (50-62 kg/m³)
- Fire class A1 according to EN13501-1
- Safety switch mounted on the unit
- Equipped with filter carriage for BFS-A-I 125 to 250 for G4 panel filter (filter not included - price on request)
- An additional kit must be provided for the BFS-A-I 315, 355 and 400 (price on request)

Fan

- Non residential ventilation unit with single flow direction
- Single inlet centrifugal fan for models 125-250
- Double inlet centrifugal fan for models 315-400

Motor

- Protection class IP55 of IP 44, insulation class F
- Supply: 230Vac 1ph
- Closed motor

Accessories

- Auto transformer controller, type **TSC-1**
- Electronic speed controller, type **ESC** ou **ESCTK**
- Flexible connection, type **BMK**

Order example

BFSA-I 315-S - 147W + MTY2

BFAS = fan box

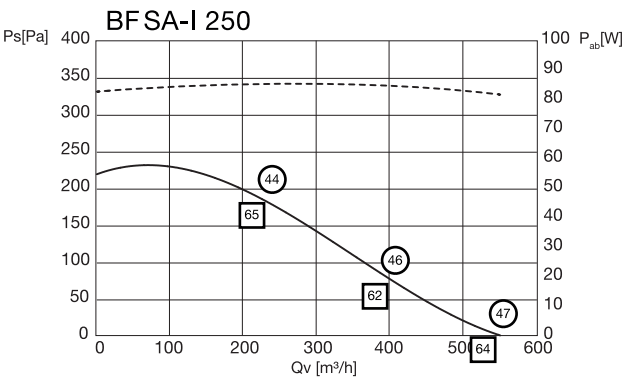
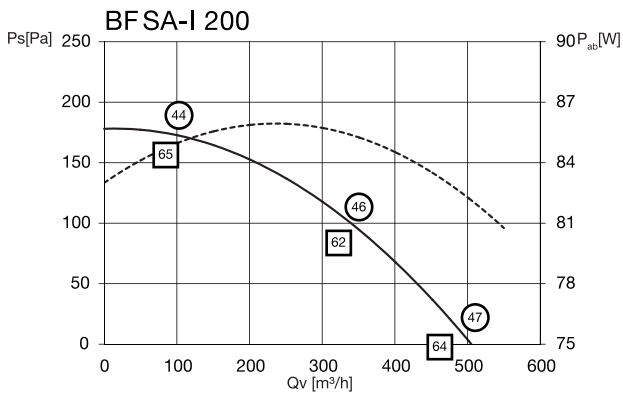
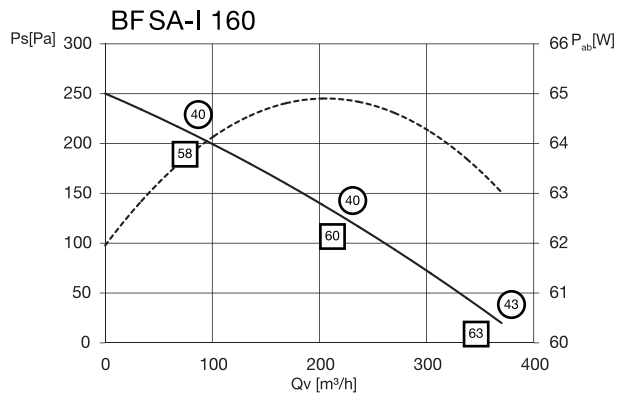
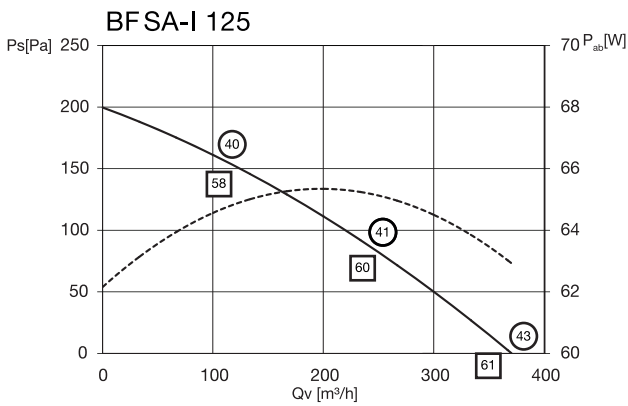
I = Insulated

315 = diameter

MTY2 = speed controller

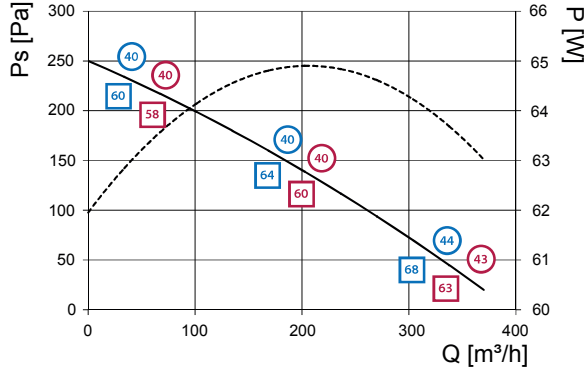
	Air performance data								
	Q [m³/h]								
	50 Pa	100 Pa	150 Pa	200 Pa	250 Pa	300 Pa	350 Pa	400 Pa	450 Pa
BFSAHP-I 125-S	410	340	270	-	-	-	-	-	-
BFSAHP-I 160-S	450	415	370	300	-	-	-	-	-
BFSAHP-I 200-S	610	520	410	300	100	-	-	-	-
BFSAHP-I 250-S	650	550	450	350	240	-	-	-	-
BFSA-I 315	-	-	1650	1450	500	-	-	-	-
BFSA-I 355	-	2350	2125	1750	1025	-	-	-	-
BFSA-I 400	-	-	-	-	3450	3100	2775	2350	900

Selection curves

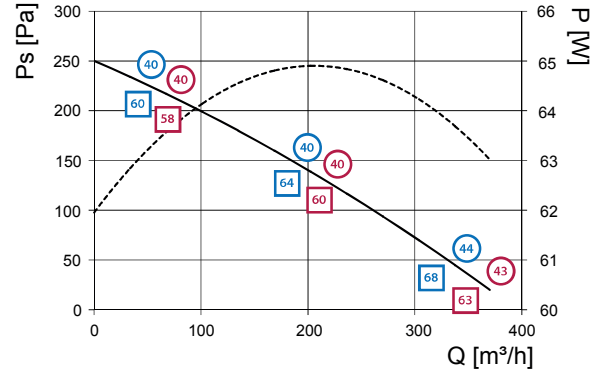


Selection curves

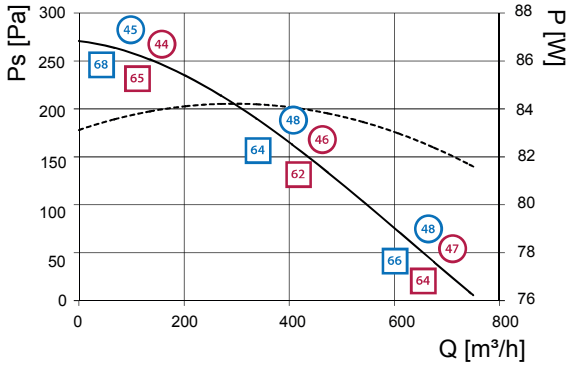
BFSA-I 125 HP



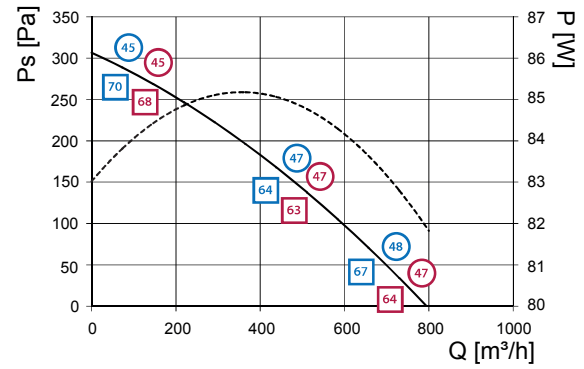
BFSA-I 160 HP



BFSA-I 200 HP

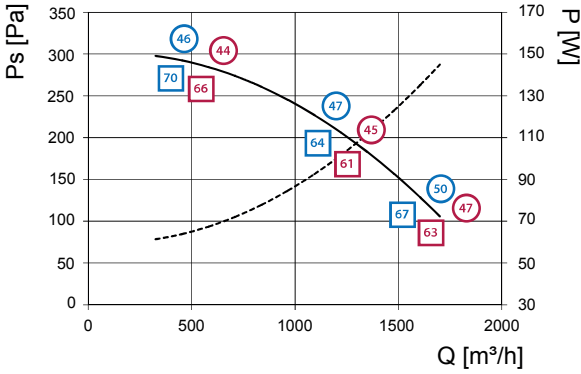


BFSA-I 250 HP

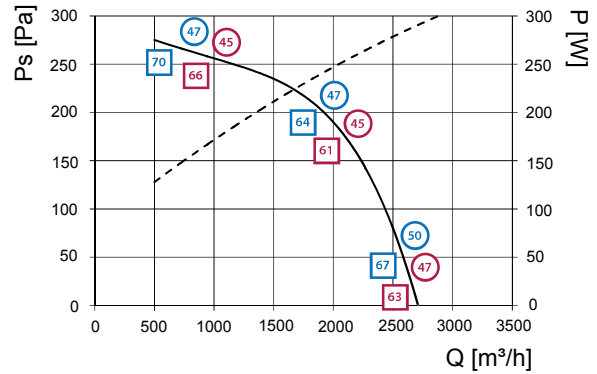


Selection curves

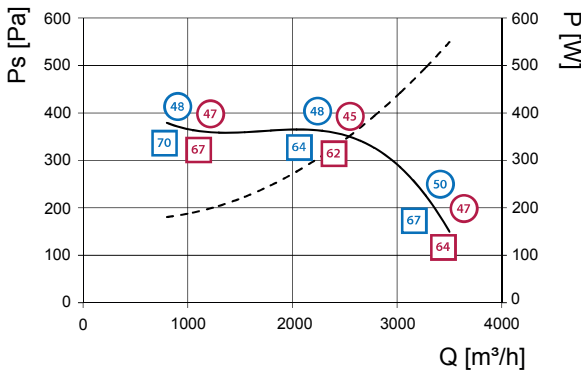
BFSA-I 315



BFSA-I 355



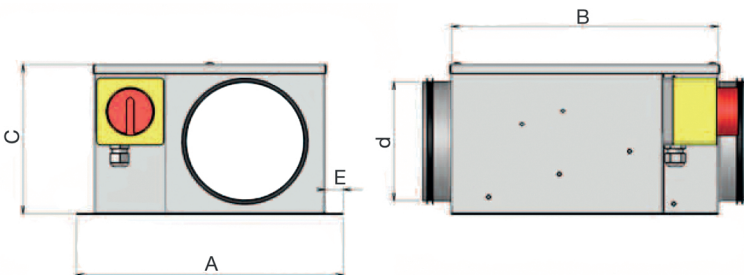
BFSA-I 400



- Q [m³/h] = Air flow
- Ps [Pa] = Static pressure
- P [W] = Absorbed power

	Technical data										
	U [V]	P [W]	I [A]	SC _T	SC _E **	Tu [°C]	To [°C]	IP	Lwa 6 [dB(A)]	Lpa @4m [dB(A)]	
BFSAHP-I 125/160	230	65	0.30	TSC-1-15	ESC-15	40	-20	IP 44 / B	61	43	
BFSAHP-I 200/250	230	75	0.40	TSC-1-15	ESC-15	40	-20	IP 44 / B	64	47	
BFSA-I 315	230	147	1.60	TSC-1-22	ESC-30	40	-20	IP 44 / B	63	47	
BFSA-I 355	230	300	2.70	TSC-1-40	ESC-40	40	-20	IP 44 / B	63	47	
BFSA-I 400	230	550	4.50	TSC-1-50	ESCTK-50	40	-20	IP 44 / B	77	49	

- SC_T = Transformer speed controller
- SC_E = Electronic speed controller
 - ** Caution: an electronic controller can produce a magnetic noise
- Tu = Maximum ambient temperature
- To = Minimum operating temperature
- Lwa 6 = Sound power level at inlet
- Lpa @ 4m = Sound pressure at 4 meters



Dimensions						
	A [mm]	B [mm]	C [mm]	d [mm]	E [mm]	[kg]
BFSAHP-I 125/160	360	360	200	125/160	23	7
BFSAHP-I 200/250	460	460	300	200/250	23	11
BFSA-I 315	500	460	380	315	23	22
BFSA-I 355	600	560	470	355	23	34
BFSA-I 400	600	560	470	400	23	32