



## Isolated fan casing with EC motor type BFIL-EC

Centrifugal fan casing with an insulation of 25 mm (120 kg/m<sup>3</sup>), equipped with an EC motor

### Application

- **BFIL-EC** fans are used for ventilation in places that require a low noise level, such as offices, restaurants, hotels,... and a low energy consumption
- May be used for extract air or supply air
- Possibility to mount filter G4 in the casing (from type 200)
- May be placed indoors and outdoors

### Composition

- Galvanised steel plate housing, thickness 10/10
- Sound attenuating glass wool insulation (25 mm) avec high volume mass (120 kg/m<sup>3</sup>)
- Fire classe A1 according to En13501-1
- Removable cover fixed with 4 screws
- Round connectors in line with double joints
- Potentiometer for adapted regulation and optimal air flow
- Safety switch mounted on the unit
- Direct driven high efficiency EC fanmotor with integrated thermal protection
- Type **BFIL-EC** 125 and 160 with sinle inlet back curved blades
- Type **BFIL-EC** 200 till 400 with double inlet forward curved blades

### Accessories

- Filter G4, type **BFIL-SP**
- Flexible connection, type **MTS**

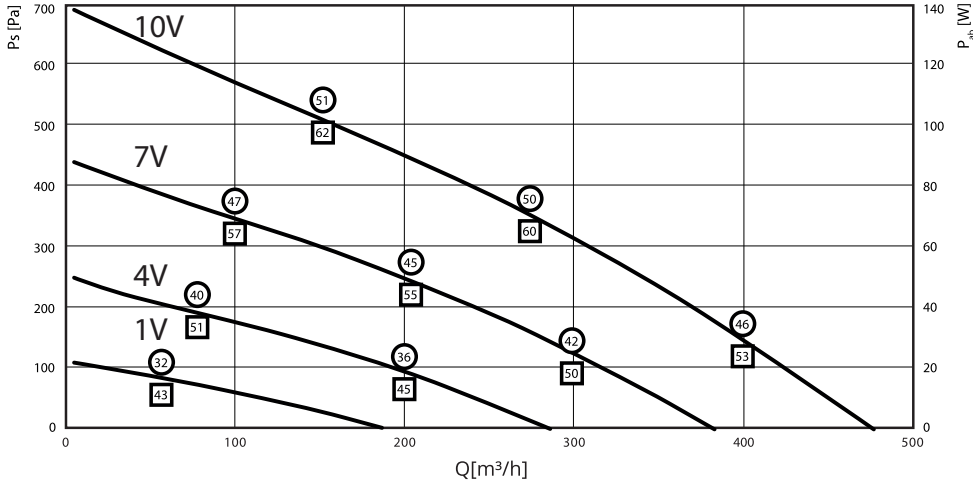
### Options

- Filter slide for **BFIL-SP**, price on request

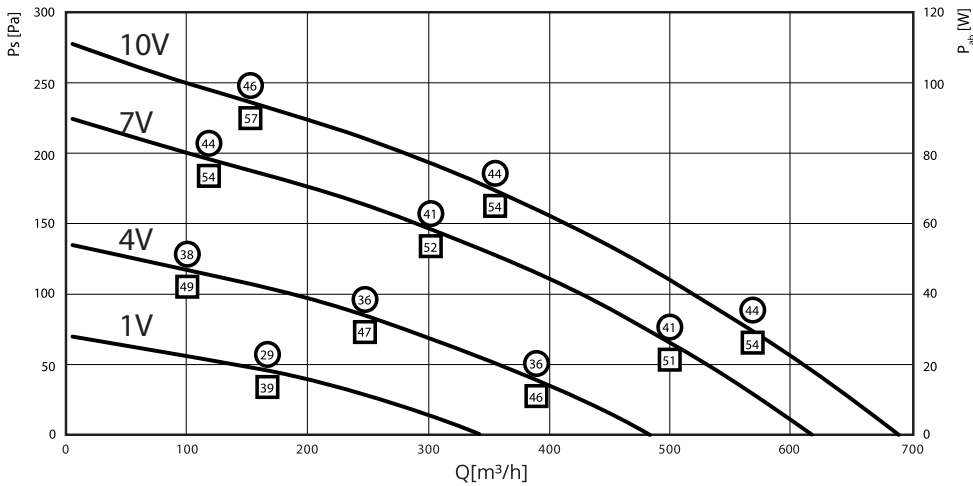
Air performance data										
	Q [m <sup>3</sup> /h]									
	50Pa	100Pa	150Pa	200Pa	250Pa	300Pa	400Pa	500Pa	600Pa	700Pa
BFIL EC 125	445	420	390	365	345	310	235	155	-	-
BFIL EC 160	445	420	390	365	345	310	235	155	-	-
BFIL EC 200	615	522	420	280	110	-	-	-	-	-
BFIL EC 250	1035	980	925	870	820	735	445	-	-	-
BFIL EC 315	-	2820	2730	2500	2250	1920	2650	2095	-	-
BFIL EC 355	-	-	-	-	-	-	2750	2630	2460	2250
BFIL EC 400	-	-	-	-	-	-	3000	2860	2650	2540

Selection curves

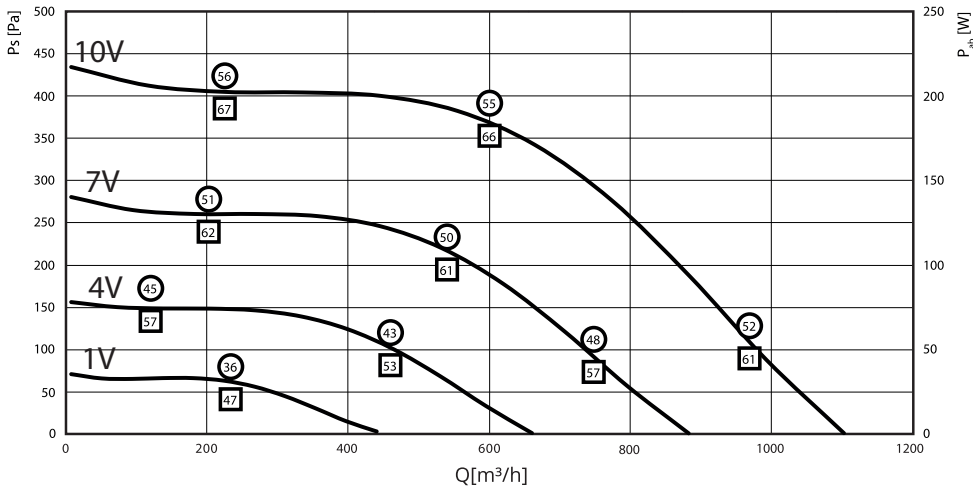
BFIL-EC 125-160



BFIL-EC 200

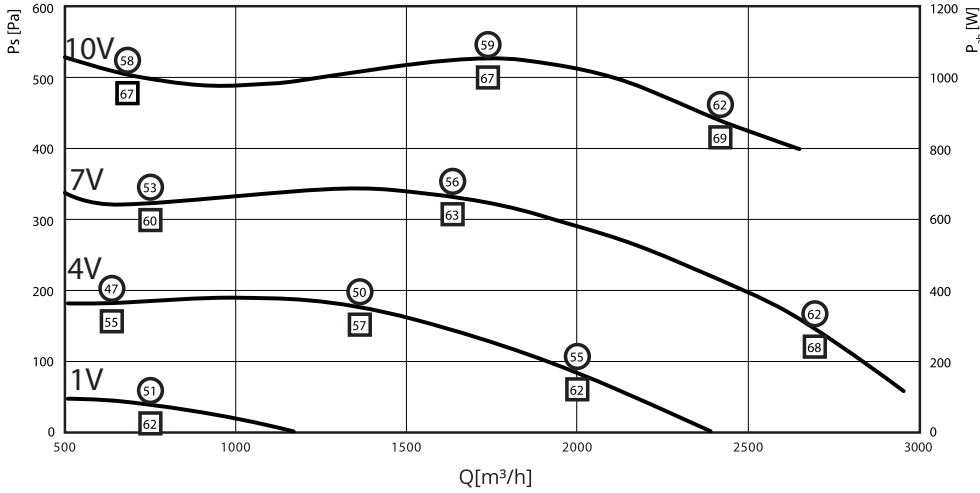


BFIL-EC 250

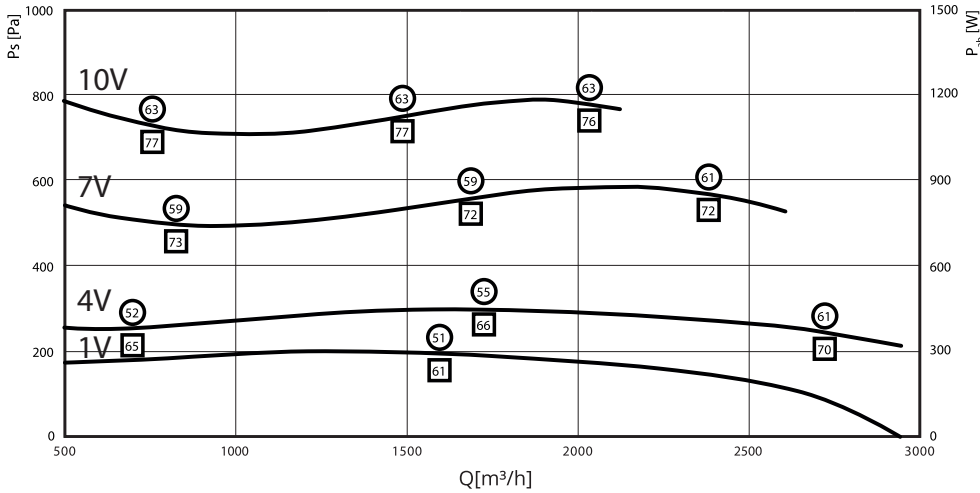


Selection curves

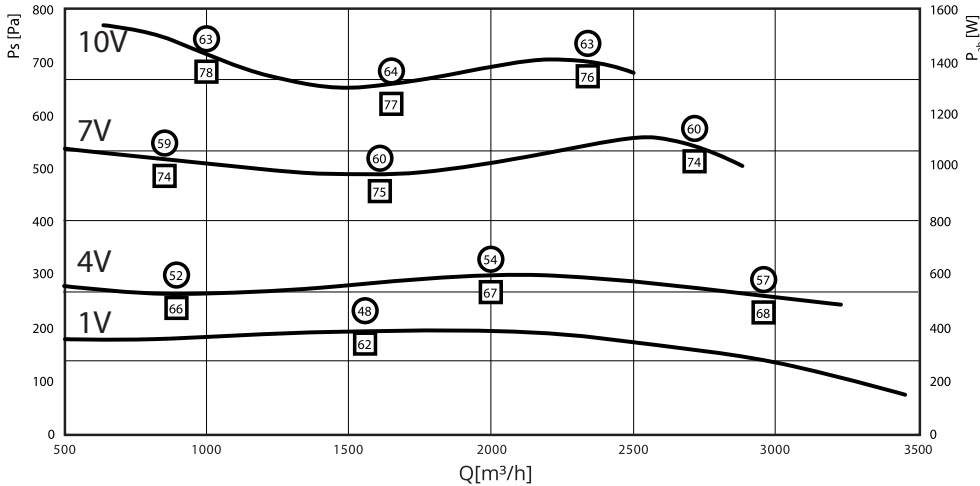
BFIL-EC 315



BFIL-EC 355

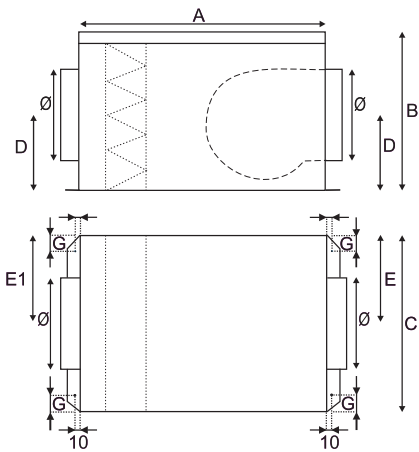


BFIL-EC 400



Technical data								
	U [V]	P [W]	I [A]	Tm [°C]	To [°C]	Lwa 5 [dB(A)]	Lp @ 4 m [dB(A)]	IP
BFIL EC 125	230	83	0.75	60	-25	62	51	IP54 / B
BFIL EC 160	230	83	0.75	60	-25	62	51	IP54 / B
BFIL EC 200	230	86	1.64	40	-25	57	46	IP54 / B
BFIL EC 250	230	165	1.2	60	-25	67	56	IP54 / B
BFIL EC 315	230	1070	4.3	40	-25	69	62	IP44 / F
BFIL EC 355	230	1040	4.5	40	-25	77	63	IP44 / F
BFIL EC 400	230	1040	4.5	40	-25	78	63	IP44 / F

- Tm = Maximum air temperature
- To = Minimum operating temperature
- Lwa 5 = Sound power level @inlet
- Lpa = Sound pressure level



	Dimensions								[kg]
	A [mm]	B [mm]	C [mm]	Ø [mm]	D [mm]	E1 [mm]	E [mm]	G [mm]	
BFIL EC 125	515	260	370	125	120	185	185	50	12
BFIL EC 160	515	260	370	160	120	185	185	50	12
BFIL EC 200	590	290	420	200	125	210	210	60	16
BFIL EC 250	540	360	450	250	165	225	225	60	19
BFIL EC 315	470	385	450	315	205	225	225	60	23
BFIL EC 355	570	475	550	355	275	275	275	60	30
BFIL EC 400	570	475	550	400	250	275	275	60	31