



Fan casing - 40 mm insulation type BFA

Acoustically insulated (40 mm/88 kg/m³) centrifugal fan box

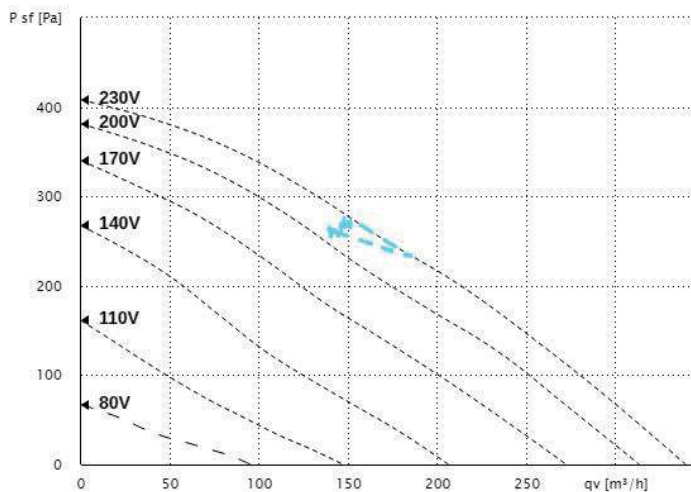
Application

- **BFA** fans are used for ventilation in many applications where low noise levels have to be respected, such as offices, restaurants, hotels or others.

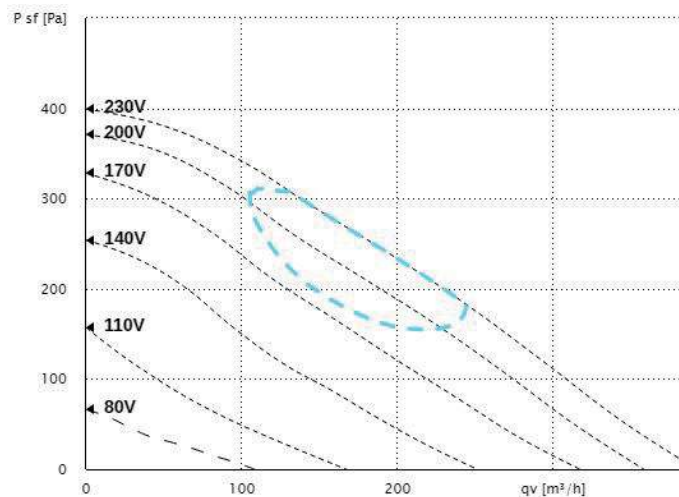
Accessories

- Roof, type **RD-BFA**
- Auto transformer, type **BTRN-1**
- Electronic speed controller, type **MTY**
- Flexible connection, type **BMK**

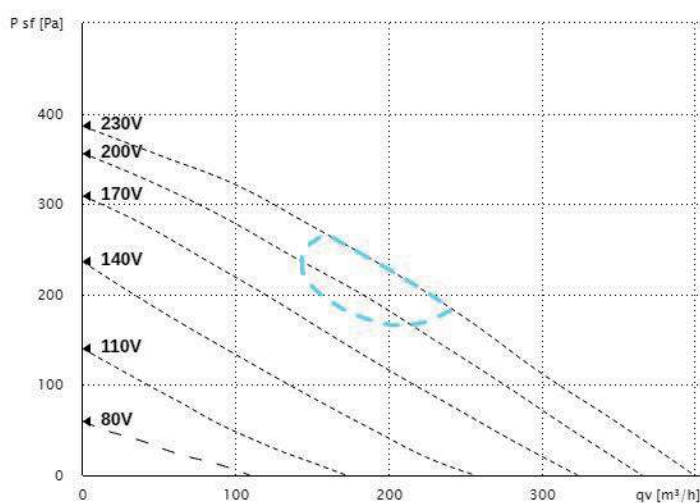
Selection curves



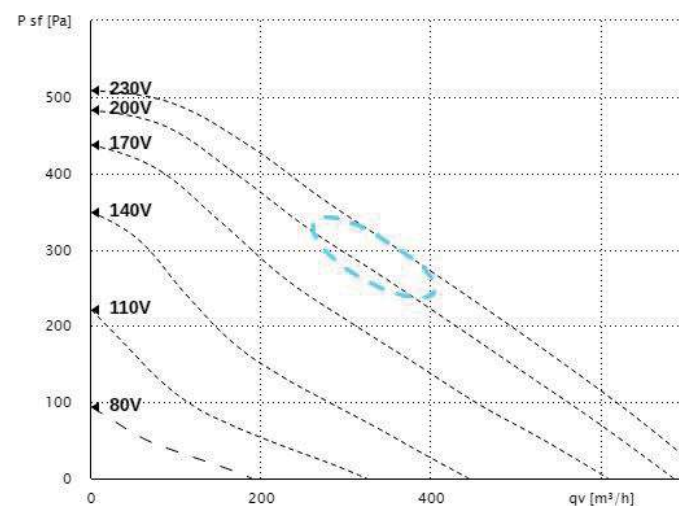
BFA 125 E2 K 01



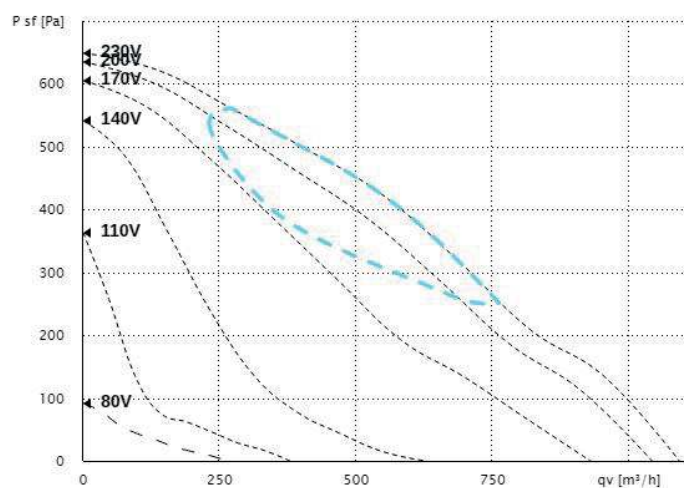
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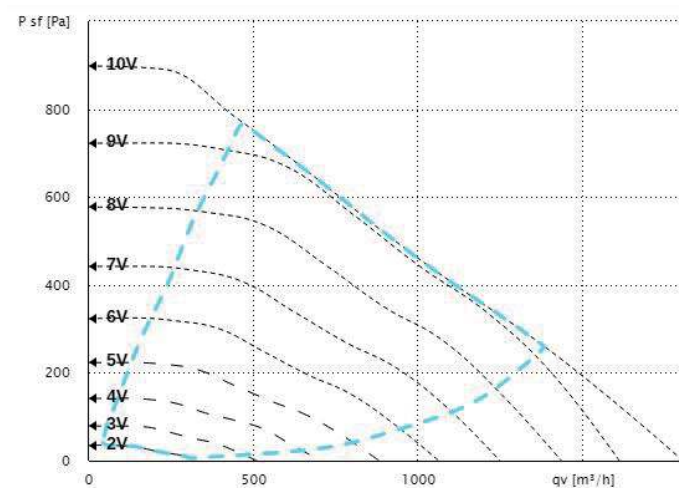
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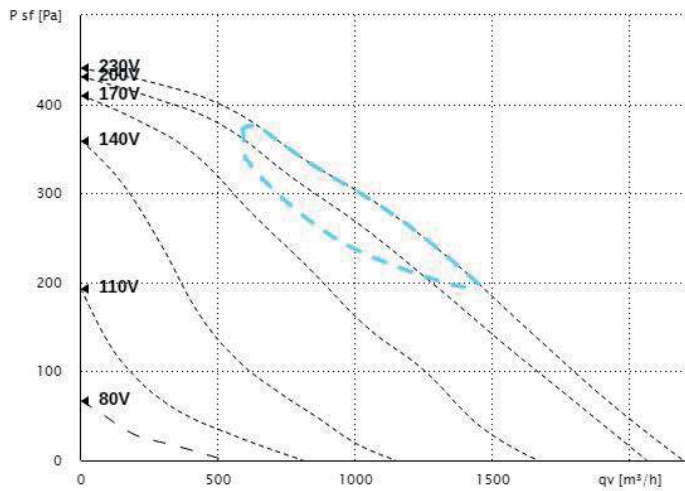
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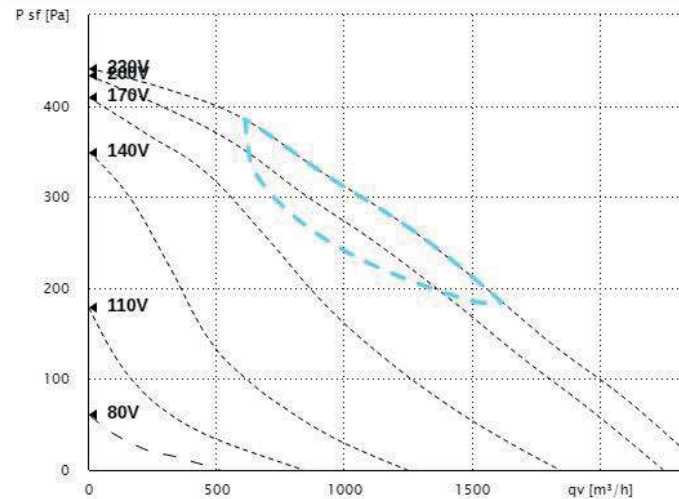
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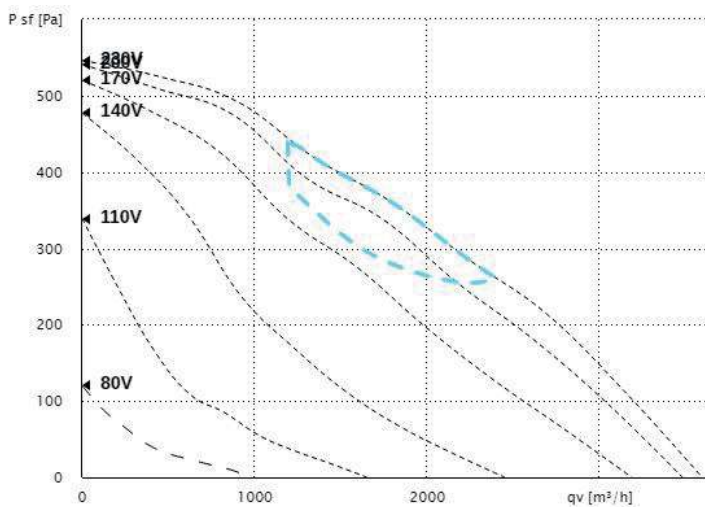
BFA 315 E2 K 01

Selection curves


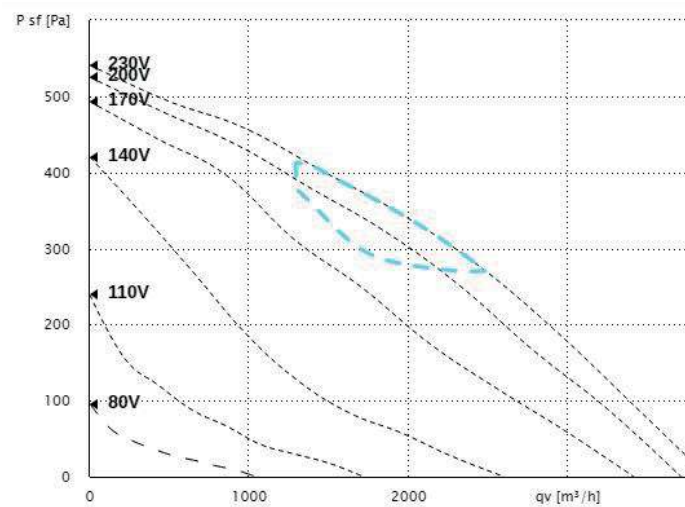
BFA 355 E4 K 01



BFA 400 E4 K 01



BFA 450 E4 K 01



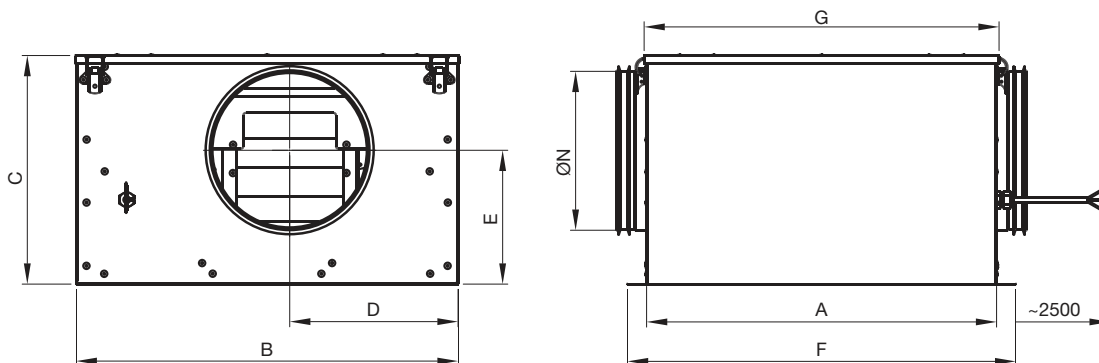
BFA 500 E4 K 01

Air performance data								
	Q [m³/h]							
	50 Pa	100 Pa	150 Pa	200 Pa	250 Pa	300 Pa	400 Pa	500 Pa
BFA 125	307	283	243	211	170	130	-	-
BFA 160	356	310	269	226	173	123	-	-
BFA 200	675	614	550	485	422	361	229	-
BFA 250	1044	991	918	830	765	709	585	385
BFA 355	1982	1786	1640	1422	1253	1017	491	-
BFA 400	2208	1977	1750	1532	1323	1046	462	-
BFA 450	3403	3197	2978	2709	2413	2164	1443	800
BFA 500	3639	3375	3126	2830	2552	2275	1497	481

	Technical data												
	U [V]	P [W]	I [A]	SC _T	SC _E **	η _t [%]	t _m [°C]	t _a [°C]	t _b [°C]	n [rpm]	Lwa [dB (A)]		
											Lwa 5	Lwa 6	Lwa 2
BFA 125	230	50	0.3	BTRN-1-S1	MTY 1,5	24.6	70	70	-25	2386	55	68	54
BFA 160	230	49	0.3	BTRN-1-S1	MTY 1,5	25.5	70	70	-25	2420	57	71	54
BFA 200	230	100	0.5	BTRN-1-S1	MTY 1,5	29.1	80	80	-25	2480	64	76	59
BFA 250	230	171	0.8	BTRN-1-S1	MTY 1,5	39	60	55	-25	2680	66	74	59
BFA 355	230	237	1.3	BTRN-1-1	MTY 2,5	38.5	45	45	-25	1368	66	75	61
BFA 400	230	242	1.3	BTRN-1-1	MTY 2,5	39.5	40	40	-25	1370	67	76	62
BFA 450	230	451	2.6	BTRN-1-3	MTY 4	41.3	65	65	-25	1374	73	82	67
BFA 500	230	466	2.7	BTRN-1-3	MTY 4	41.2	65	65	-25	1382	73	82	67

Fan casings

- SC_T = Transformer speed controller
- SC_E = Electronic speed controller
- **** Caution: an electronic controller can produce a magnetic noise**
- η_t = Maximum total efficiency
- t_m = Maximum air temperature
- t_u = Maximum ambient temperature
- t_o = Minimum operating temperature
- Lwa 2 = Casing sound power level
- Lwa 5 = Sound power level @inlet
- Lwa 6 = Sound power level @outlet
- The sound power levels are measured according to DIN 45635 part 2 & 38



	Dimensions								
	Ø N [mm]	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	[kg]
BFA 125	124	378	380	232	119	136	426	384	11.3
BFA 160	159	378	380	232	137	133	426	384	11.8
BFA 200	199	460	480	287	165	168	508	466	17.7
BFA 250	249	460	480	287	190	148	508	466	18.9
BFA 355	354	650	680	492	234	273	698	656	41.8
BFA 400	399	650	680	492	256	263	698	656	41.0
BFA 450	449	800	780	547	276	283	847	805	67.5
BFA 500	499	800	780	587	302	293	847	805	69.5