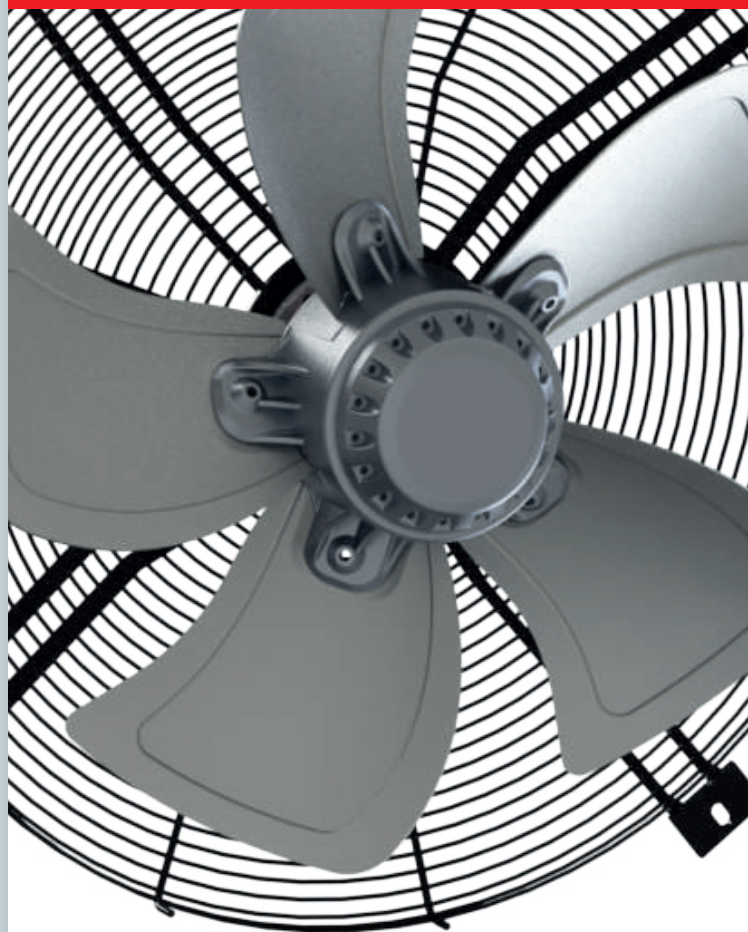


PRODUCT CATALOGUE



www.bvnair.com





BDTX

ROUND DUCT TYPE FANS / Backward Curved

Device Components and Material Properties

The case and fan are made of high quality galvanized sheet metal which is pressed against corrosion. All models have an external rotor motor with a closed structure and have air transport at max.40°C. On request, the motor can be produced as thermally protected against high temperature. The terminal box and mounting legs are supplied with the product as standard. Suction and discharge nozzles are compatible with duct diameters and can be connected by clamp.

Fan Structure

Designed to work between round ducts. The fan blades are aerodynamically curved and provide regular flow. The fans are composed of backward sloping and infrequently arranged fins.

Benefits

The rotation of the fan on the motor housing saves efficiency and space. It works at optimum sound levels while providing strong air suction. It can be operated in any position. If necessary, it can be mounted on the wall thanks to the mounting legs. Speed can be adjusted with speed control devices.

Speed Control

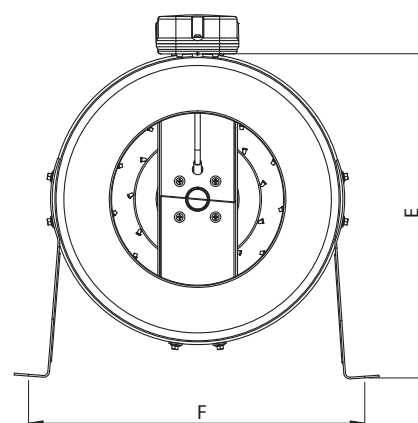
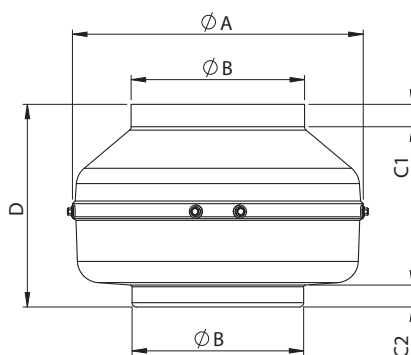
Optional control devices can be provided.

* Linear voltage regulator speed control can be done. (see BSC accessory)

Usage Areas

Round duct fans are used in low and medium volume ventilation requirements in duct systems where the application area is limited. It should be used with oil holding filter in oily environments.

Accessories

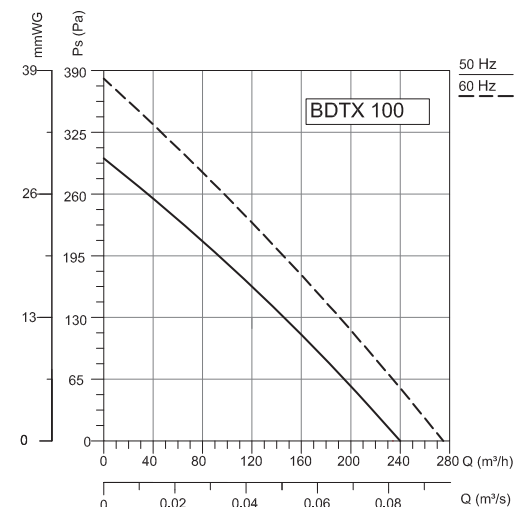


TYPE	A	B	C1	C2	D	E	F
BDTX 100	245	97	20	20	197	273	268
BDTX 125	245	122	20	20	188	273	268
BDTX 150	272	147	23	25	192	286	295
BDTX 160	272	157	23	25	192	286	295
BDTX 200	330	196	30	28	230	380	352
BDTX 250	330	247	30	28	227	380	352
BDTX 315	400	313	30	30	285	415	422
BDTX 355	400	352	30	30	378	415	422

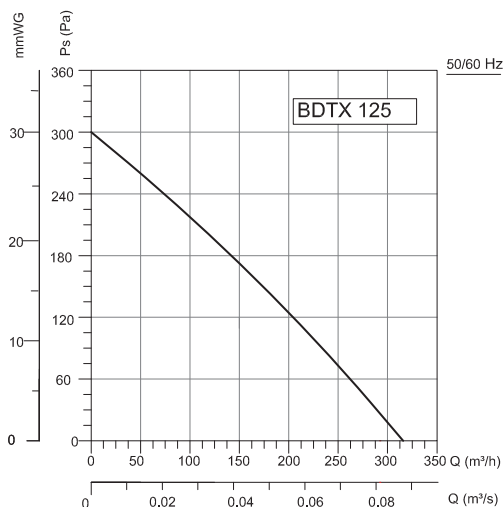
Dimensions are in (mm)

TYPE	VOLTAGE V	FREQUENCY Hz	POWER W	CURRENT (A)	CAPACITOR (μF)	SPEED r.p.m	AIR FLOW m³/h	SOUND PRESSURE dB(A)	INSULATION CLASS Ins.cl.	PROTECTION CLASS IP	WEIGHT kg
BDTX 100	230	50/60	60	0,3	2	2610/2960	240/275	44	B	44	2,6
BDTX 125	230	50/60	80	0,4	2,5	2325	315	43	B	44	2,7
BDTX 150	230	50/60	78	0,4	2,5	2450	420	46	B	44	3
BDTX 160	230	50/60	85	0,4	2,5	2550	440	45	B	44	3,2
BDTX 200-A	230	50/60	90	0,43	2,5	2300	735	46	B	44	4,4
BDTX 200-B	230	50/60	100/130	0,51/0,68	4	2530/2720	870/935	48	B	44	4,8
BDTX 250-A	230	50/60	140	0,69	4	2400	1010	45	B	44	4,9
BDTX 250-B	230	50/60	145/200	0,74/1,04	6	2650	1150	47	B	44	5,3
BDTX 315-A	230	50/60	160/210	0,8/1,1	6	2400	1450	48	B	44	6,8
BDTX 315-B	230	50/60	180/245	0,87/1,23	7	2500/2700	1750/1890	49	B	44	6,9
BDTX 355-A	230	50/60	135/165	0,73	3	1400/1650	1300/1530	45	F	44	9
BDTX 355-B	230	50	445	1,94	8	2450	2620	54	F	44	10

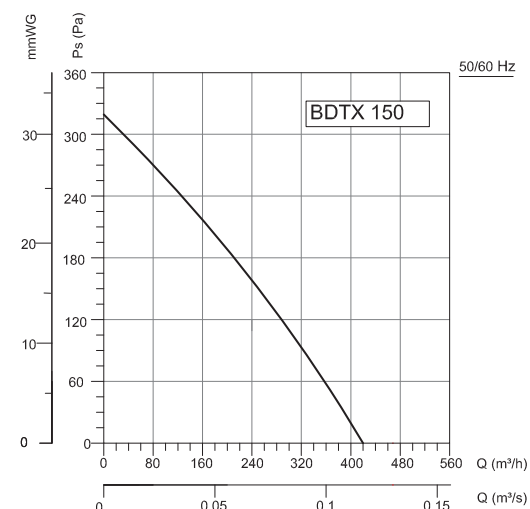
Sound Level Measured from 3m distance in room condition.



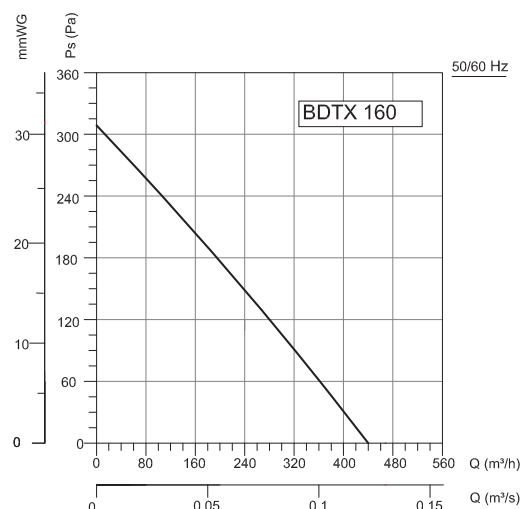
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{WA} Inlet	71	53	65	62	65	64	60	52	42	dB(A)
L_{WA} Outlet	68	54	64	58	62	61	58	50	40	dB(A)
L_{WA} Surrounding	51	29	17	30	47	46	45	39	27	dB(A)



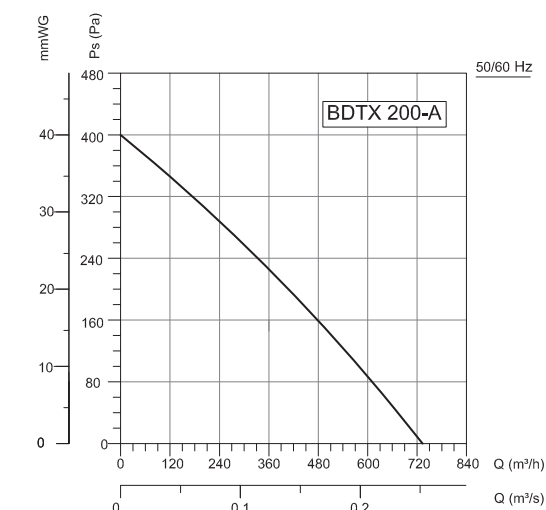
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{WA} Inlet	70	47	63	64	65	63	60	55	45	dB(A)
L_{WA} Outlet	68	49	62	59	62	61	58	52	43	dB(A)
L_{WA} Surrounding	50	20	20	39	45	44	43	36	30	dB(A)



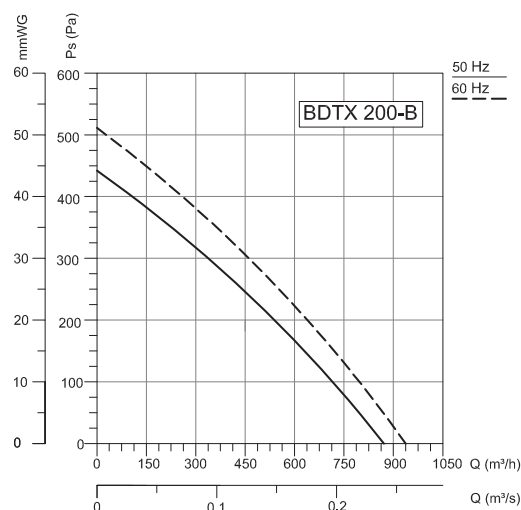
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{WA} Inlet	76	52	73	65	69	67	62	60	50	dB(A)
L_{WA} Outlet	74	55	71	62	68	64	62	55	50	dB(A)
L_{WA} Surrounding	53	20	35	37	50	45	46	44	32	dB(A)



Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{WA} Inlet	75	50	70	66	71	68	45	58	48	dB(A)
L_{WA} Outlet	76	56	74	61	69	66	62	56	48	dB(A)
L_{WA} Surrounding	52	10	32	36	48	46	45	42	28	dB(A)

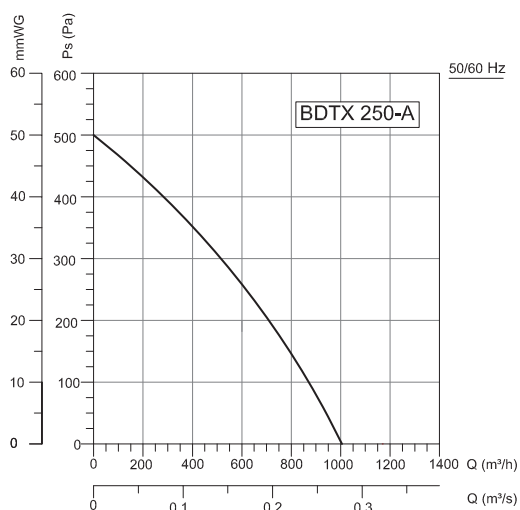


Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{WA} Inlet	70	42	61	64	63	64	63	56	54	dB(A)
L_{WA} Outlet	71	49	59	62	65	64	64	58	53	dB(A)
L_{WA} Surrounding	53	8	25	32	45	49	47	42	38	dB(A)

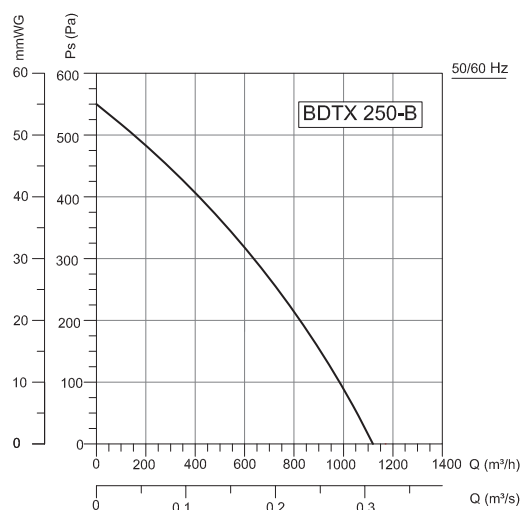


Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{WA} Inlet	71	42	61	64	64	64	63	56	54	dB(A)
L_{WA} Outlet	72	49	60	63	66	64	66	58	53	dB(A)
L_{WA} Surrounding	54	8	35	40	47	50	47	45	40	dB(A)

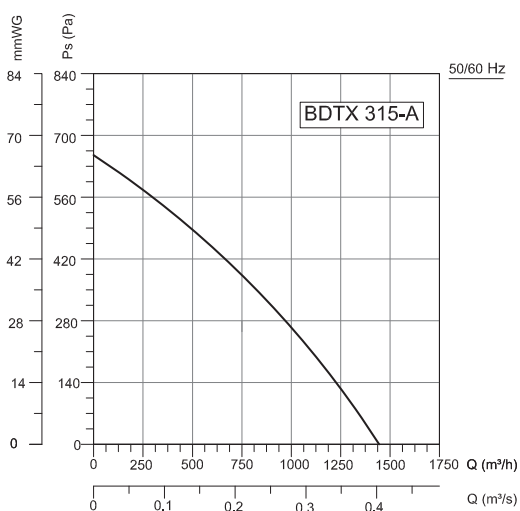
DUCT FANS / CIRCULAR DUCT FANS



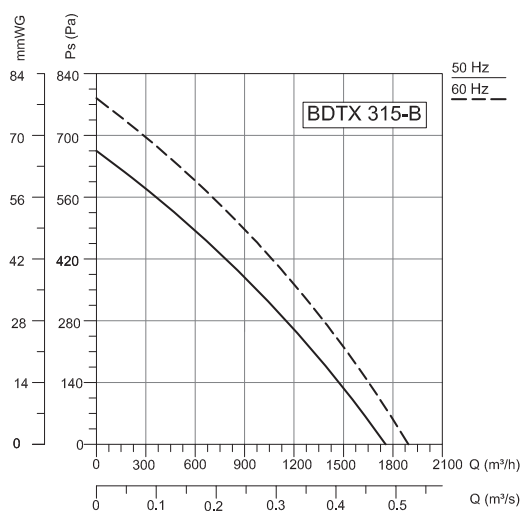
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{WA} Inlet	70	49	59	65	61	64	61	60	50	dB(A)
L_{WA} Outlet	71	48	60	65	61	65	63	61	51	dB(A)
L_{WA} Surrounding	52	27	28	46	45	47	45	42	30	dB(A)



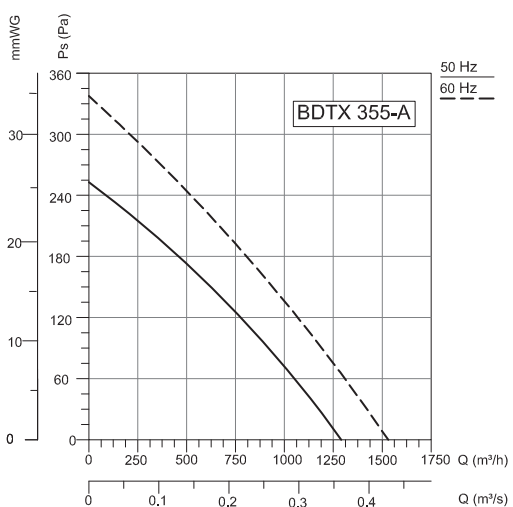
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{WA} Inlet	70	49	59	65	62	65	61	60	50	dB(A)
L_{WA} Outlet	71	48	60	65	61	65	63	61	51	dB(A)
L_{WA} Surrounding	54	28	29	47	47	49	45	43	30	dB(A)



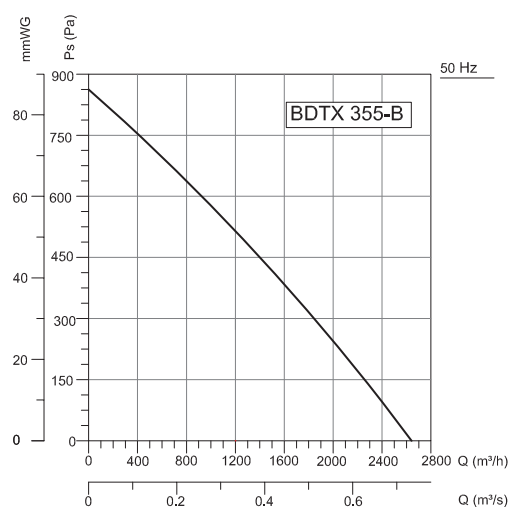
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{WA} Inlet	72	46	60	65	64	66	63	64	53	dB(A)
L_{WA} Outlet	73	52	60	64	63	66	67	65	55	dB(A)
L_{WA} Surrounding	54	18	25	43	47	47	50	46	34	dB(A)



Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{WA} Inlet	75	55	66	68	70	68	66	63	58	dB(A)
L_{WA} Outlet	76	62	67	71	69	68	69	63	57	dB(A)
L_{WA} Surrounding	56	22	35	45	51	47	50	46	45	dB(A)



Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{WA} Inlet	70	49	59	65	61	64	61	60	50	dB(A)
L_{WA} Outlet	71	48	60	65	61	65	63	61	51	dB(A)
L_{WA} Surrounding	52	27	28	46	45	47	45	42	30	dB(A)



Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{WA} Inlet	75	55	66	68	70	68	66	63	58	dB(A)
L_{WA} Outlet	76	62	67	71	69	68	69	63	57	dB(A)
L_{WA} Surrounding	60	25	35	51	56	54	50	46	45	dB(A)



BORAX

ROUND DUCT TYPE FANS / Axial

Fan Components and Material Properties

The frame and propeller are made of electrostatic powder coated sheet metal and electrostatic powder coated from protective wire mesh. The motor and fan impeller are connected to the main body by steel carriers. It has an external rotor motor with closed structure.

Benefits

Thanks to their ideal wing angles, they achieve high air flow at minimum sound levels despite their small size. It can be easily mounted to the round duct.

Speed Control

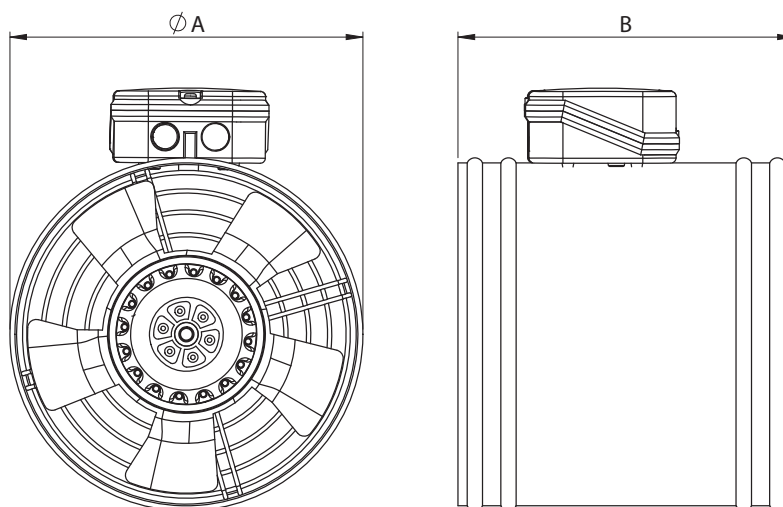
Optional control devices can be provided.

* Linear voltage regulator speed control can be done. (see BSC accessory)

Usage Areas

BORAX axial duct fans are ideal for applications where ventilation and ventilation are required in air and industrial areas. It is also used for air circulation by machine manufacturers.

Technical Drawing and Tables



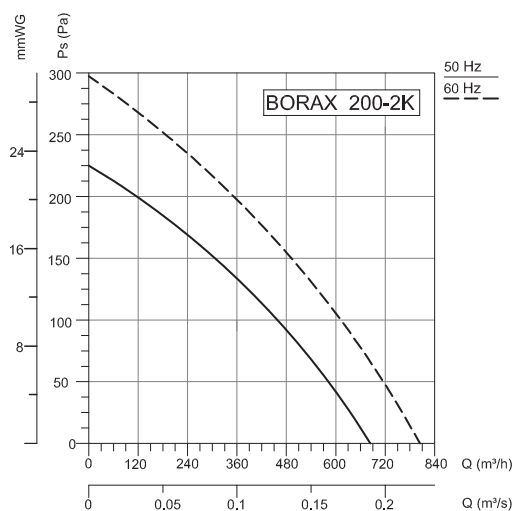
TYPE	A	B
BORAX 200-2K	200	200
BORAX 250-2K	250	250
BORAX 300-2K	300	250
BORAX 350-2K	355	250

Dimensions are in (mm)

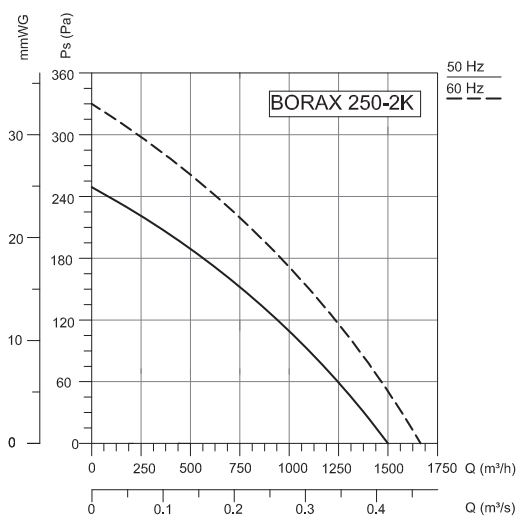
TYPE	VOLTAGE	FREQUENCY	POWER	CURRENT	CAPACITOR	SPEED	AIR FLOW	SOUND PRESSURE	INSULATION CLASS	PROTECTION CLASS	WEIGHT
TYPE	V	Hz	W	(A)	(μF)	r.p.m	m³/h	dB(A)	Ins.cl.	IP	kg
BORAX 200-2K	230	50/60	63	0,28	2	2750/3200	680/790	50	B	44	2,7
BORAX 250-2K	230	50/60	100	0,5	4	2700/3100	1500/1700	55	B	44	3,6
BORAX 300-2K	230	50/60	140/190	0,6/0,85	5	2600/2800	2020/2175	57	B	44	4,6
BORAX 350-2K	230	50/60	200	0,9	5	2050	3110	62	B	44	5,6

The sound level is measured at a distance of 3 m in open field condition.

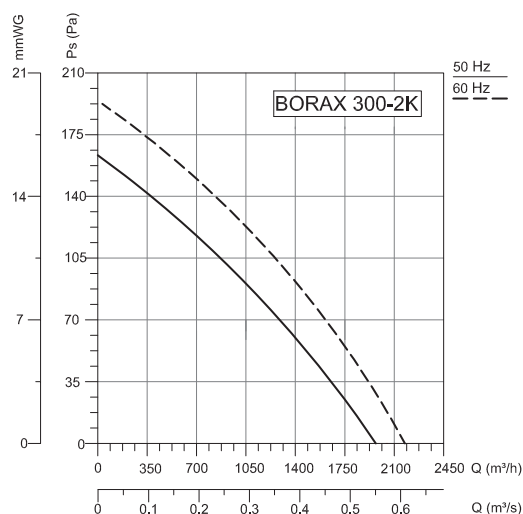
DUCT FANS / CIRCULAR DUCT FANS



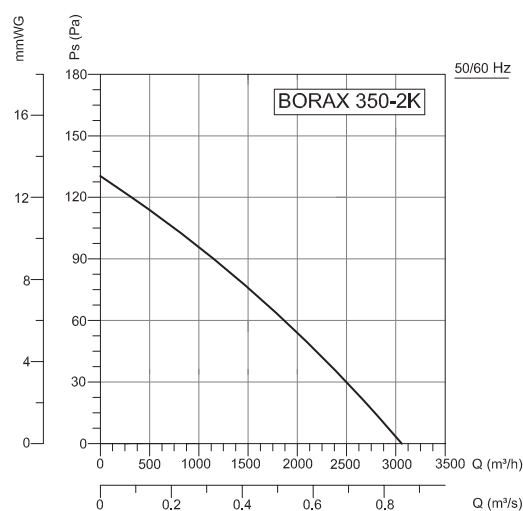
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L _{WA} Surrounding	71	38	43	64	64	65	64	58	50	dB(A)



Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L _{WA} Surrounding	76	44	51	66	66	70	71	67	62	dB(A)



Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L _{WA} Surrounding	78	46	53	68	68	72	73	69	64	dB(A)



Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L _{WA} Surrounding	83	48	64	68	74	80	78	73	60	dB(A)

Accessories



BSC



BYF



BESB



BYH



BYKS



BASP



B6PA

INDUSTRIAL AXIAL FANS / 6 Blade

Fan Components and Material Properties

Body and protective wire cage are made of electro-static powder coated steel. The motor and fan impeller are connected to the main body by steel carriers. The device is capable of handling air at max.40°C.

Fan Structure

The wings made of fiber glass composite materials are manufactured in airfoil structure to provide regular flow. Thanks to its aerodynamic wing structure, it works quietly.

Benefits

It works with low noise levels and is designed to be maintenance-free for long periods of time. It is manufactured with square frame which facilitates direct installation on the wall.

Speed can be adjusted with speed control devices. Propellers are manufactured in the most ideal angle according to their size and maximum performance is ensured.

Speed Control

Optional control devices can be provided.

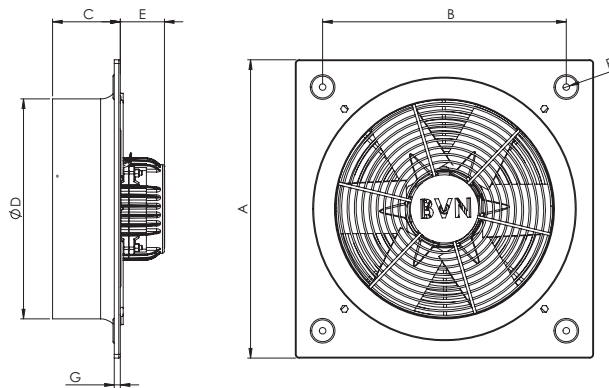
1~phase products with linear voltage regulator speed control can be done. (see BSC accessory)

3~phase products can be controlled by frequency inverter (see BSC-F accessory).

Usage Areas

It is also used in the ventilation of high volume factories, paint shops, warehouses and hangars. It provides the ideal solution for large areas with its high flow rate.

Technical Drawing and Tables



TYPE	A	B	C	D	E	F	G
B6PA 250	333	275	80	261	80	8.25	10
B6PA 300	412	336	80	307	80	8.25	10
B6PA 350	465	390	90	365	80	8.25	10
B6PA 400	500	420	100	403	80	8.25	10
B6PA 450	560	480	105	462	80	8.25	10
B6PA 500	630	561	110	513	90	8.25	10

Dimensions are in (mm)

	VOLTAGE	FREQUENCY	POWER	CURRENT	CAPACITOR	SPEED	AIR FLOW	SOUND PRESSURE	INSULATION CLASS	PROTECTION CLASS	WEIGHT
TYPE	V	Hz	W	(A)	(μF)	r.p.m	m³/h	dB(A)	Ins.cl.	IP	kg
B6 PAM 250	230	50/60	70/80	0,4/0,35	3	1450/1750	1500/1810	54	B	44	7,3
B6 PAM 300	230	50/60	85/110	0,45/0,48	3	1450/1700	2400/2800	57	B	44	8,5
B6 PAM 350	230	50/60	250/310	1,22/1,38	6	1400/1550	3200/3550	60	B	44	9,9
B6 PAM 400	230	50/60	255/310	1,24/1,39	6	1375/1500	4500/4900	63	B	44	10,4
B6 PAM 450	230	50/60	360/432	1,6/1,92	8	1250/1500	6300/7560	61	B	44	11,4
B6 PAM 500	230	50/60	440/530	2/2,4	8	1250/1500	8500/10200	66	B	44	13,6
B6 PAT 250	380	50/60	120/100	0,75/0,61	-	1450/1745	1500/1800	54	B	44	7,3
B6 PAT 300	380	50/60	150/180	0,65	-	1450/1700	2400/2800	57	B	44	8,5
B6 PAT 350	380	50/60	190/230	0,80/0,70	-	1400/1550	3200/3550	60	B	44	9,9
B6 PAT 400	380	50/60	255/320	0,8/0,76	-	1375/1600	4500/4900	63	B	44	10,4
B6 PAT 450	380	50/60	290/350	0,82/0,78	-	1250/1500	6300/7560	61	B	44	11,4
B6 PAT 500	380	50/60	370/450	0,84/0,88	-	1375	8500/10200	66	B	44	13,6

Sound Level Measured from 3m distance in room condition.

Accessories



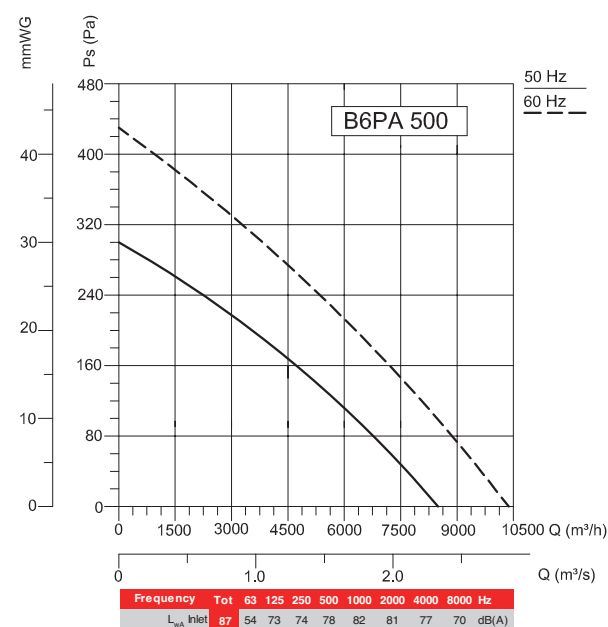
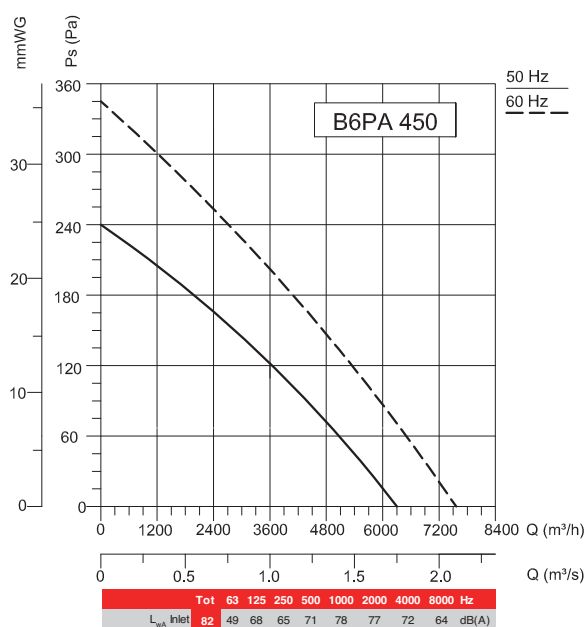
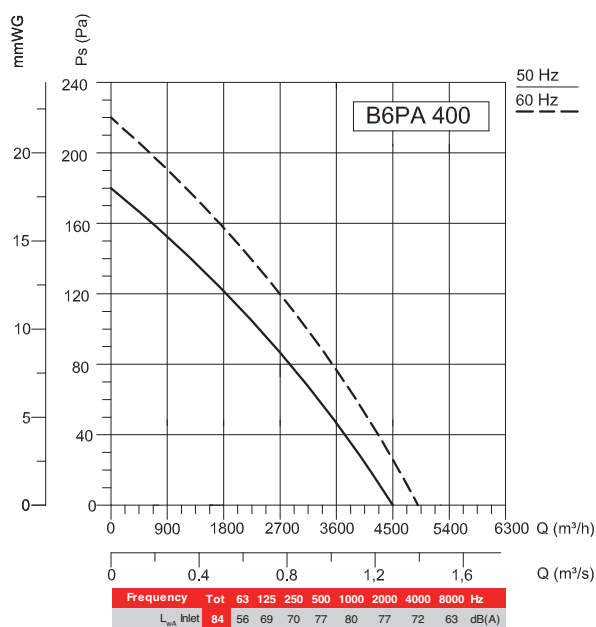
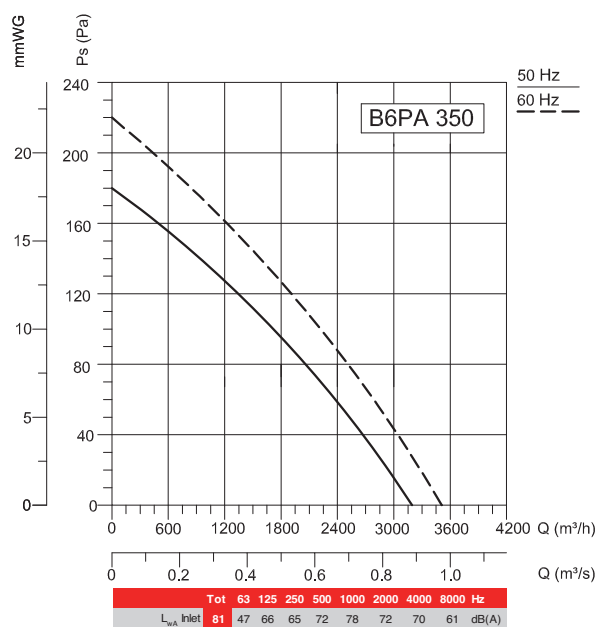
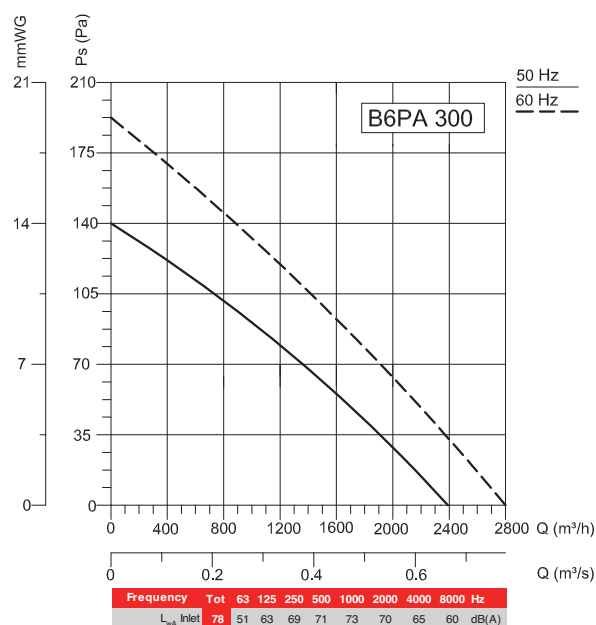
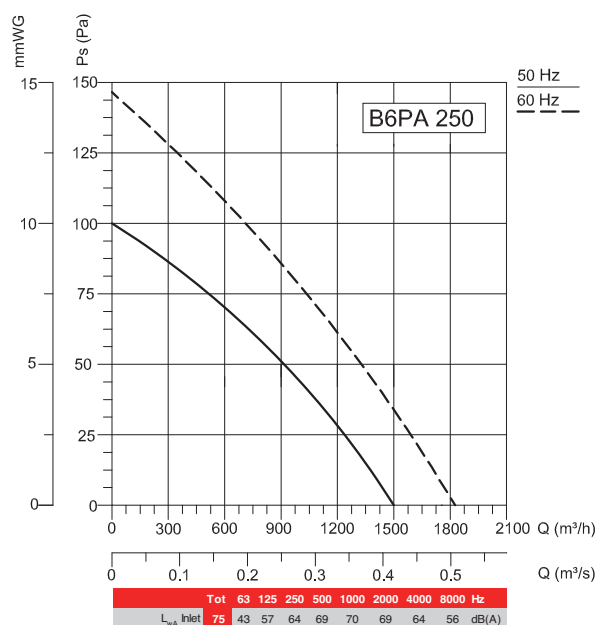
BSC



BASP



BTEK





B5PA

INDUSTRIAL AXIAL FANS / 5 Blade

Fan Components and Material Properties

Body and protective wire cage are made of electro-static powder coated steel. The motor and fan impeller are connected to the main body by steel carriers. The device is capable of handling air at max.40°C.

Fan Structure

The wings made of fiber glass composite materials are manufactured in airfoil structure to provide regular flow. Thanks to its aerodynamic wing structure, it works quietly.

Benefits

It works with low noise levels and is designed to be maintenance-free for long periods of time. It is manufactured with square frame which facilitates

direct installation on the wall. Speed can be adjusted with speed control devices. Propellers are manufactured in the most ideal angle according to their size and maximum performance is ensured.

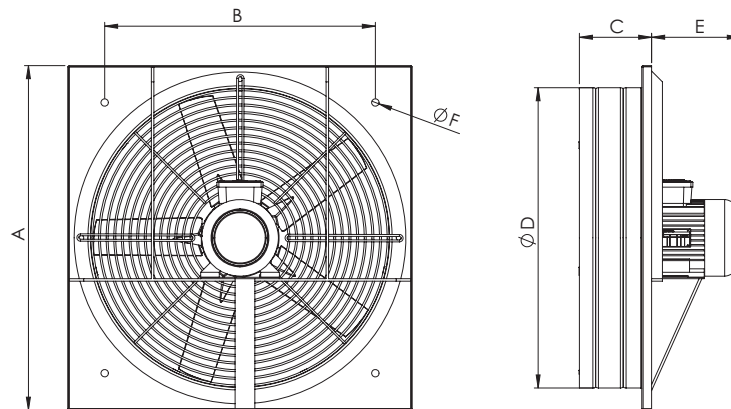
Speed Control

Optional control devices can be provided. Speed control can be done with frequency inverter in 3-phase products. (see BSC-F accessory)

Usage Areas

It is also used in the ventilation of high volume factories, paint shops, warehouses and hangars. It provides the ideal solution for large areas with its high flow rate.

Technical Drawing and Tables



TYPE	A	B	C	D	E	F
B5PA 500	600	460	140	520	190	10
B5PA 600	700	550	140	610	190	15
B5PA 700	800	640	200	735	200	15
B5PA 800	950	770	235	835	250	15
B5PA 900	1100	900	260	935	250	15
B5PA 1000	1200	960	275	1035	275	15

Dimensions are in (mm)

TYPE	VOLTAGE	FREQUENCY	POWER	CURRENT	CAPACITOR	SPEED	AIR FLOW	SOUND PRESSURE	INSULATION CLASS	PROTECTION CLASS	WEIGHT
TYPE	V	Hz	kW	(A)	(µF)	r.p.m	m³/h	dB(A)	Ins.cl.	IP	kg
B5PAM 500	230	50	0,55	3,3	20	1365	8500	68	F	55	16,6
B5PAM 600	230	50	0,75	4,6	30	1405	14000	70	F	55	20,5
B5PAM 700	230	50	1,1	7,1	35	1410	18000	75	F	55	33
B5PAM 800	230	50	2,2	13,4	60	1425	24500	80	F	55	52
B5PAT 500	380	50	0,55	1,6	-	1365	10500	68	F	55	16,6
B5PAT 600	380	50	0,75	2,1	-	1405	14000	70	F	55	20,5
B5PAT 700	380	50	1,1	2,6	-	1410	18000	75	F	55	33
B5 PAT 800	380	50	2,2	5,0	-	1425	24500	80	F	55	52
B5PAT 900	380	50	4	8,4	-	1440	32000	82	F	55	61
B5PAT 1000	380	50	5,5	11,2	-	1465	38000	85	F	55	90

Sound Level Measured from 3m distance in room condition.

Accessories



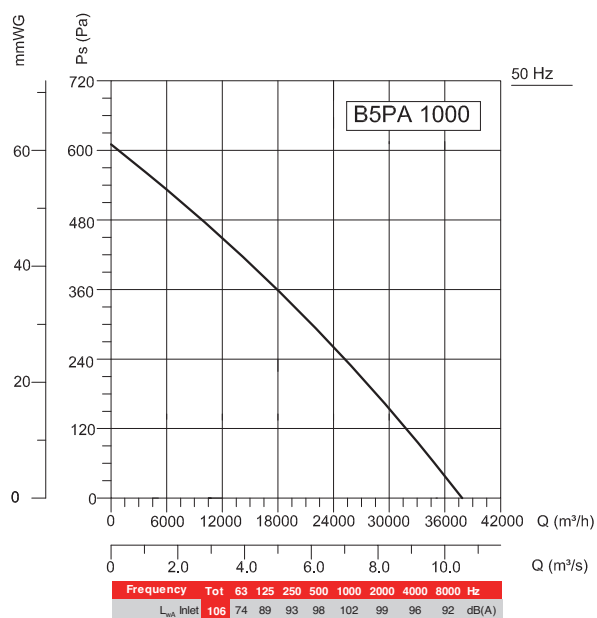
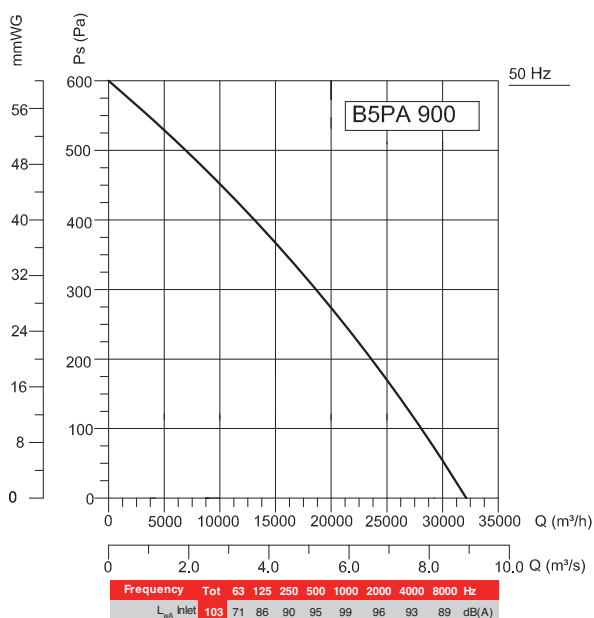
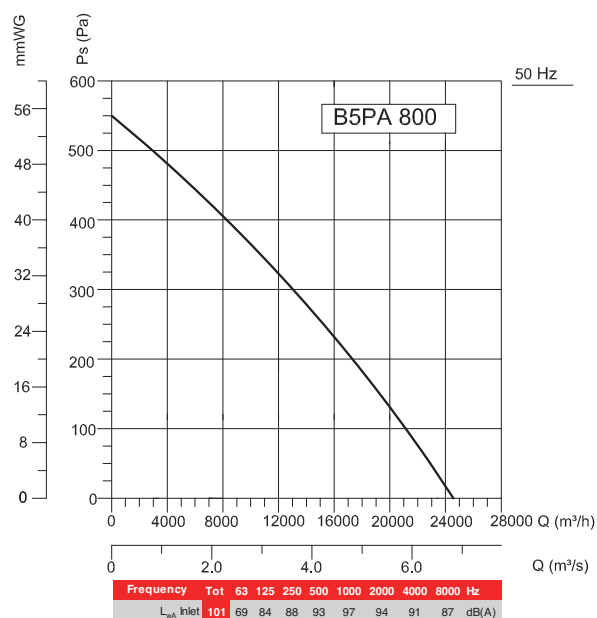
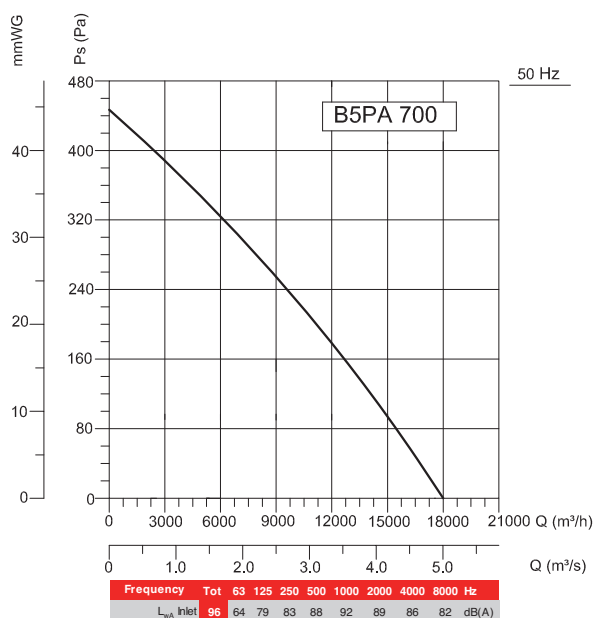
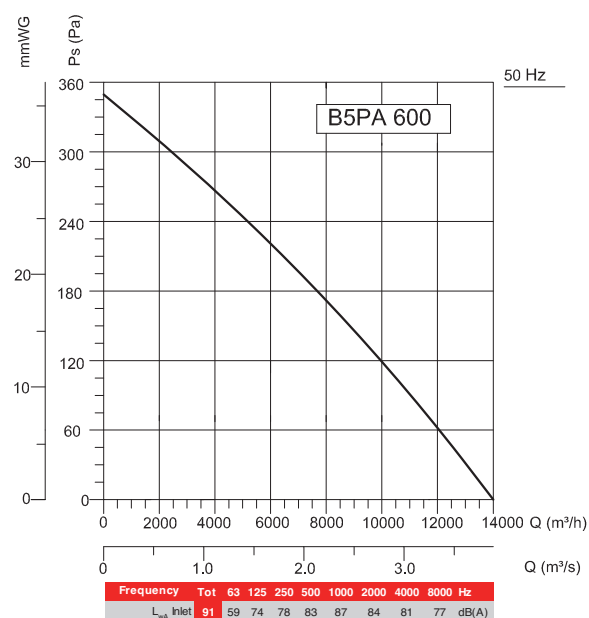
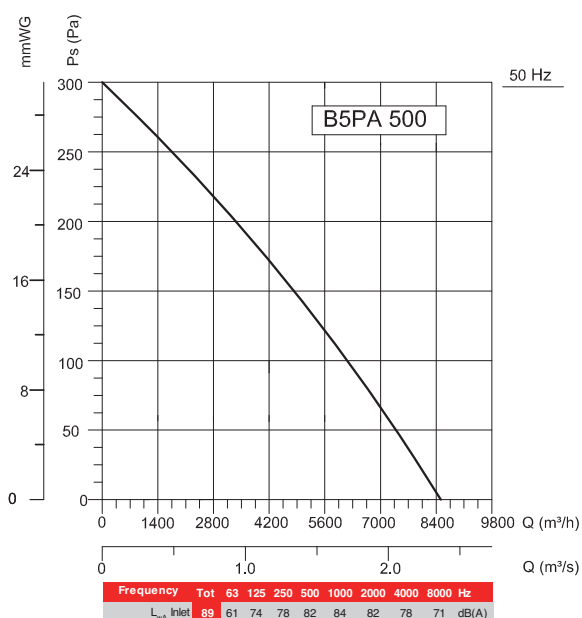
BSC-F



BASP



BTEK





BDRAX-K

COOLING FANS

Fan Components and Material Properties

The case and propeller are made of electrostatic powder coated sheet metal and electrostatic powder coated from protective wire mesh strip steel. The motor and fan impeller are connected to the main body by steel carriers. It has an external rotor motor with closed structure.

Benefits

Thanks to their ideal wing angles, they achieve high air flow at minimum sound levels despite their small size. Easily mounted on wall.

Speed Control

Optional control devices can be provided.

* Speed control can be done with linear voltage regulator. (see BSC accessory)

Usage Areas

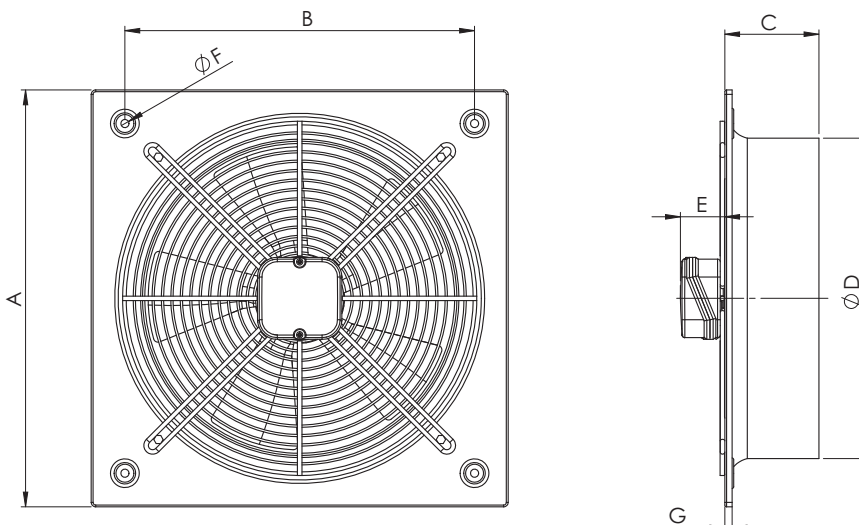
It is used for exhausting indoor air or for the need for fresh air. It is also used for air circulation by machine manufacturers.

Accessories



BSC

Technical Drawing and Tables

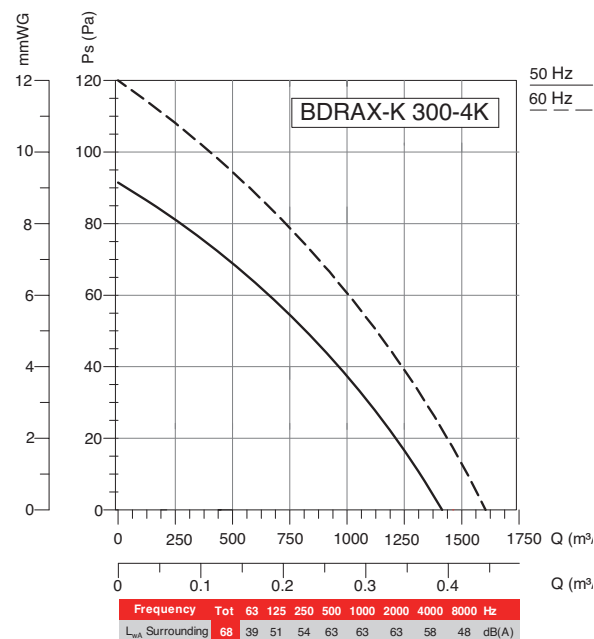
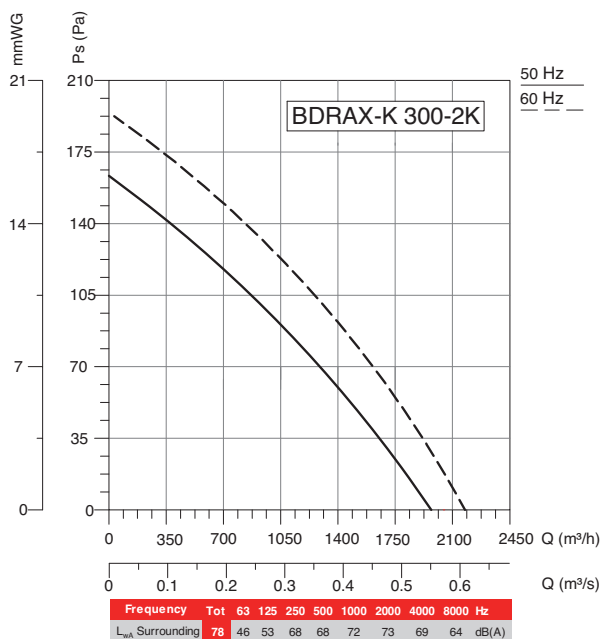
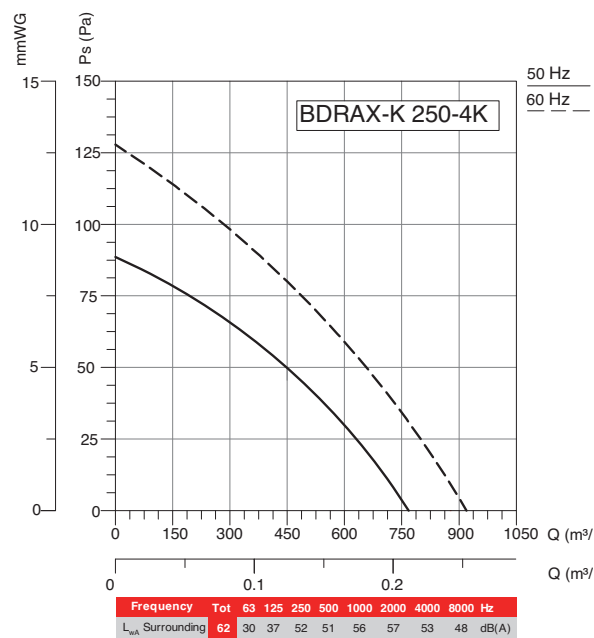
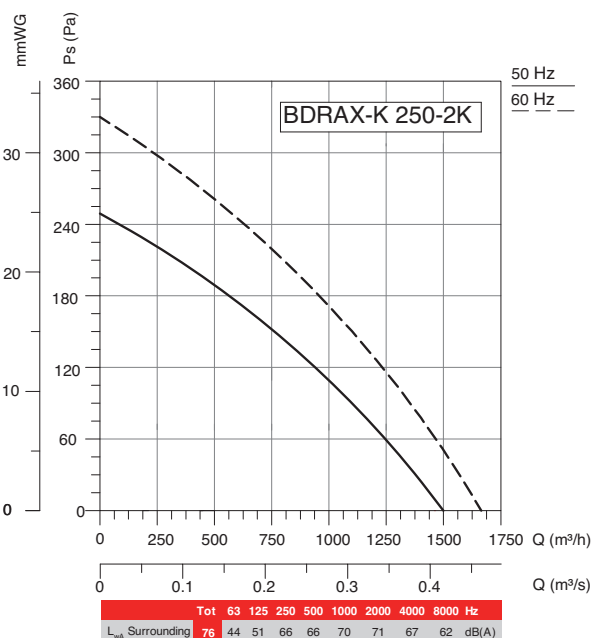
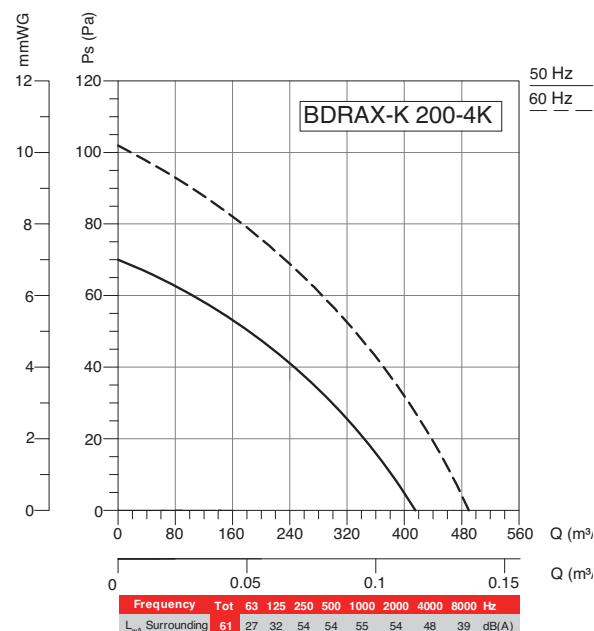
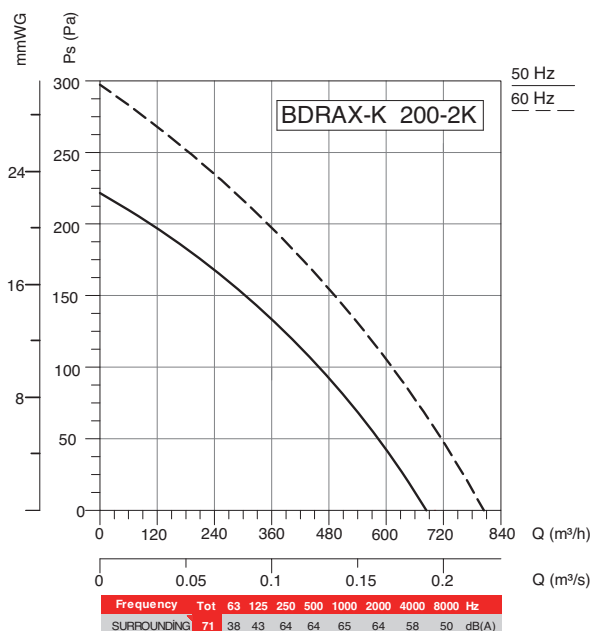


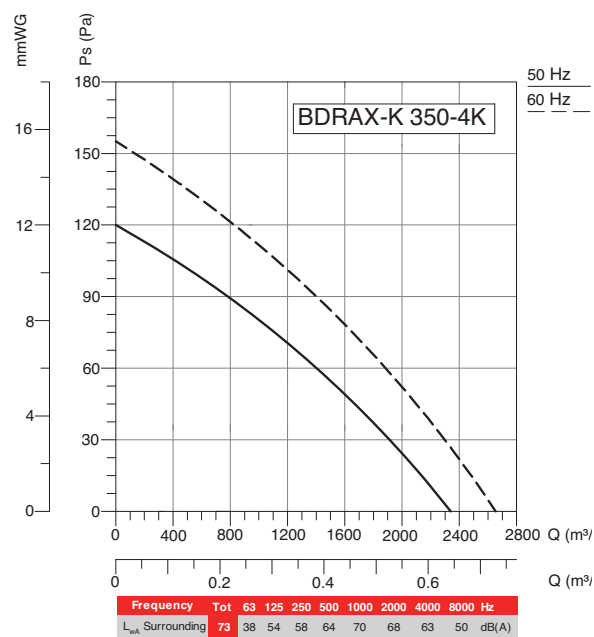
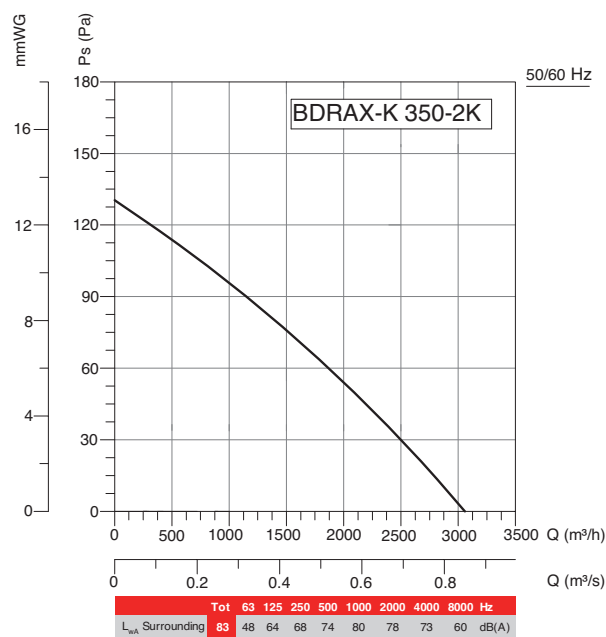
TYPE	A	B	C	D	E	F	G
BDRAX-K 200	300	242	95	200	50	8	12
BDRAX-K 250	333	275	80	261	50	8	10
BDRAX-K 300	412	336	80	307	50	8	10
BDRAX-K 350	560	480	105	462	50	8	10

Dimensions are in (mm)

TYPE	VOLTAGE	FREQUENCY	POWER	CURRENT	CAPACITOR	SPEED	AIR FLOW	SOUND PRESSURE	INSULATION CLASS	PROTECTION CLASS
	V	Hz	W	(A)	(μF)	r.p.m	m³/h	dB(A)	Ins.cl.	IP
BDRAX-K 200-2K	230	50/60	63	0,28	2	2750/3200	680/790	50	B	44
BDRAX-K 200-4K	230	50/60	55	0,26	2	1450/1750	407/490	40	B	44
BDRAX-K 250-2K	230	50/60	100	0,5	4	2700/3100	1500/1700	55	B	44
BDRAX-K 250-4K	230	50/60	55	0,28	1,5	1400/1680	760/910	41	B	44
BDRAX-K 300-2K	230	50/60	140/190	0,6/0,85	5	2600/2800	2020/2175	57	B	44
BDRAX-K 300-4K	230	50/60	65	0,29	2	1360/1550	1410/1600	47	B	44
BDRAX-K 350-2K	230	50/60	200	0,9	5	2050	3110	62	B	44
BDRAX-K 350-4K	230	50/60	75/100	0,32/0,45	3	1330/1500	2340/2640	52	B	44

The sound level is measured at a distance of 3 m in open field condition.







BB

AXIAL FANS

Fan Components and Material Properties

Body and fan are made of electrostatic powder coated sheet steel. The motor and fan impeller are connected to the main body by steel carriers. Easily mounted on windows and wall. Provides strong airflow thanks to ideal blade angles.

Benefits

Provides strong airflow thanks to ideal blade angles. It has a compact design.

Speed Control

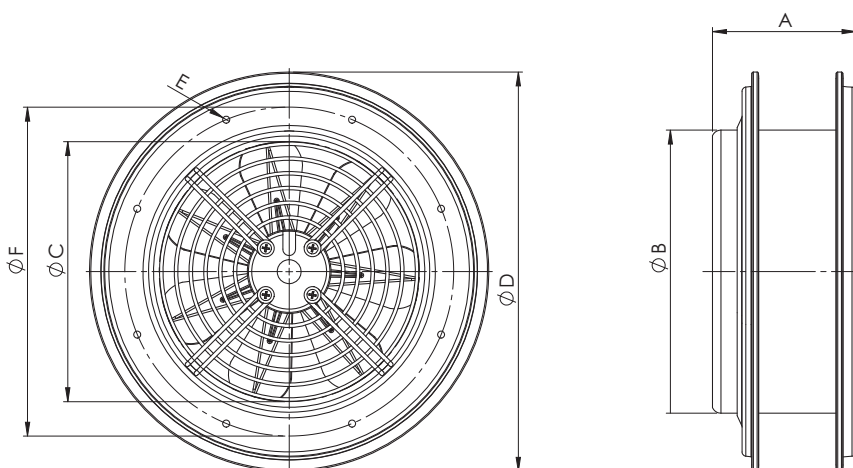
Optional control devices can be provided.

* Speed control can be done with linear voltage regulator. (see BSC accessory)

Usage Areas

It is used in the kitchen, bathroom, office and workplaces where smelly, smoke-like air is required to be discharged.

Technical Drawing and Tables



TYPE	A (± 2)	B	C	D	E	F
BB 160	100	162	148	236	5	194
BB 200	100	202	178	282	5	234
BB 250	100	248	234	332	5	284
BB 300	100	298	284	380	5	334

Dimensions are in (mm)

TYPE	VOLTAGE	FREQUENCY	POWER	CURRENT	SPEED	AIR FLOW	SOUND PRESSURE	INSULATION CLASS	PROTECTION CLASS	WEIGHT	PIECES IN BOX
	V	Hz	W	(A)	r.p.m	m³/h	dB(A)	Ins.cl.	IP	kg	AD
BB 160	230	50/60	32	0,14	2500	450	40	H	54	1,5	8
BB 200	230	50/60	35	0,15	1550	780	42	H	54	1,7	8
BB 250	230	50/60	48	0,22	1450	890	46	H	54	2,5	8
BB 300	230	50/60	50	0,23	1325	1150	50	H	54	2,8	8

The sound level is measured at a distance of 3 m in open field condition.

Accessories



BSC



BK

AXIAL FANS

Fan Components and Material Properties

Body and fan are made of electrostatic powder coated sheet steel. The motor and fan impeller are connected to the main body by steel carriers. Easily mounted on windows and wall. Provides strong airflow thanks to ideal blade angles.

Benefits

Provides strong airflow thanks to ideal blade angles. Covered structure with unwanted air, dust, rain, etc. prevents entry. It has a compact design.

Speed Control

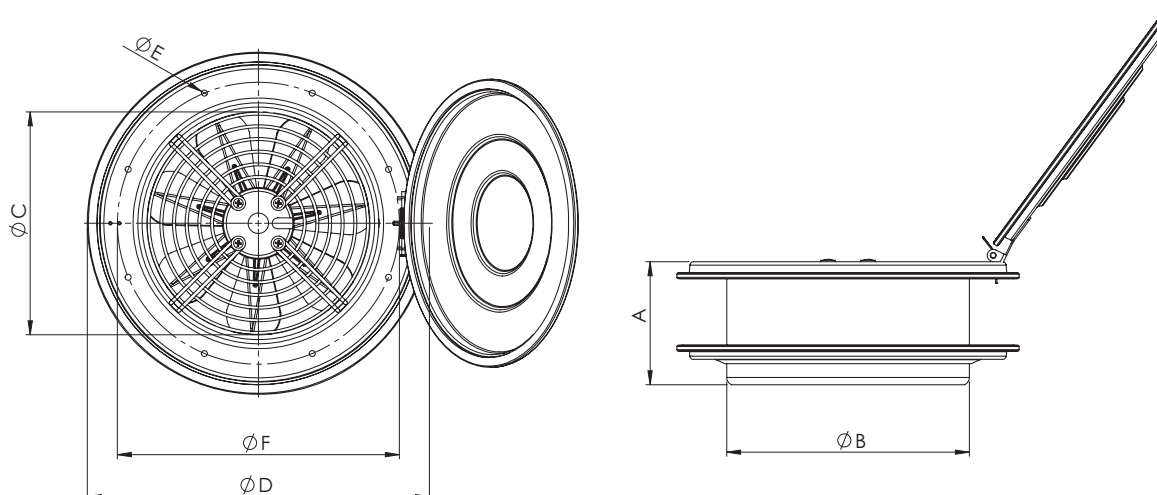
Optional control devices can be provided.

* Speed control can be done with linear voltage regulator. (see BSC accessory)

Usage Areas

It is used in the kitchen, bathroom, office and workplaces where smelly, smoke-like air is required to be discharged.

Technical Drawing and Tables



TYPE	A (± 2)	B	C	D	E	F
BK 160	100	162	148	236	5	194
BK 200	100	202	178	282	5	234
BK 250	100	248	234	332	5	284
BK 300	100	298	284	380	5	334

Dimensions are in (mm)

TYPE	VOLTAGE	FREQUENCY	POWER	CURRENT	SPEED	AIR FLOW	SOUND PRESSURE	INSULATION CLASS	PROTECTION CLASS	WEIGHT	PIECES IN BOX
	V	Hz	W	(A)	r.p.m	m ³ /h	dB(A)	Ins.cl.	IP	kg	AD
BK 160	230	50/60	32	0,14	2500	450	40	H	54	1,8	8
BK 200	230	50/60	35	0,15	1550	780	42	H	54	2,1	8
BK 250	230	50/60	48	0,22	1450	890	46	H	54	3,1	8
BK 300	230	50/60	50	0,23	1325	1150	50	H	54	2,8	8

The sound level is measured at a distance of 3 m in open field condition.

Accessories



BSC



BPP

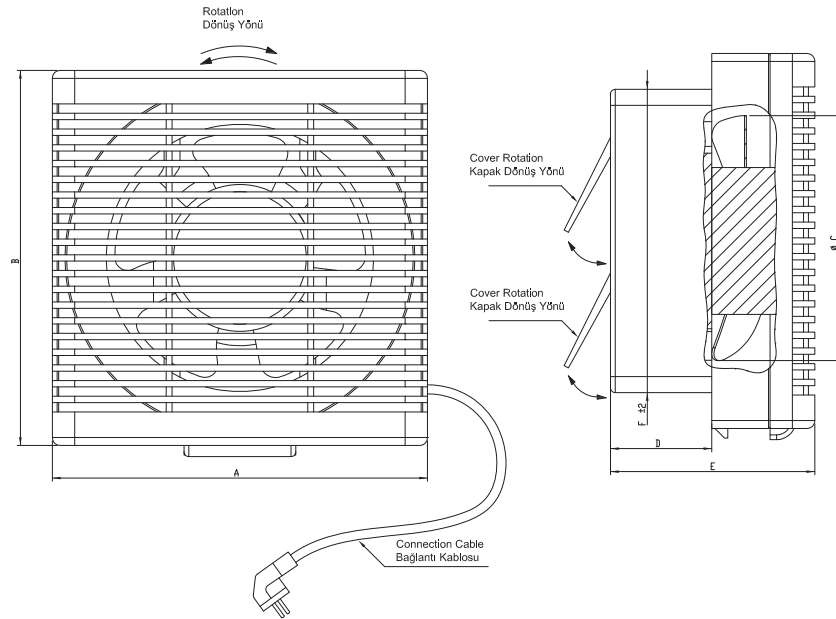
AXIAL BATHROOM FANS / Wall Mounted

The front panel is larger and tighter. This feature provides a robust mounting design. It is silent and corrosion resistant. Long life of the motor against environmental factors. It has two-way operation. Meets the need for fresh air for indoor places;

in the other direction, exudes dirty air in the interior. Electrical control structure does not require external control or panel.

Used in offices such as offices, meeting rooms, schools, smoking rooms.

Technical Drawing and Tables

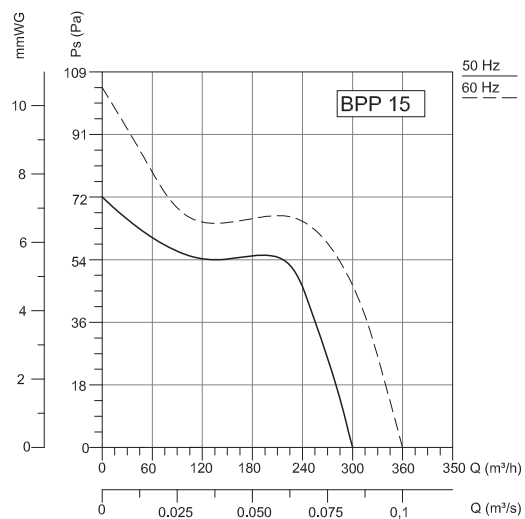


TYPE	A	B	C	D	E	F
BPP 15	235	235	160	65	130	190
BPP 20	290	290	200	65	140	240
BPP 25	340	340	250	70	145	290
BPP 30	395	395	300	80	155	335

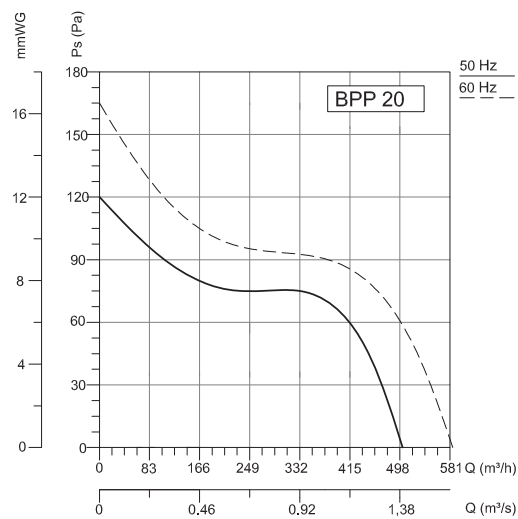
Dimensions are in (mm)

TYPE	VOLTAGE	FREQUENCY	POWER	CURRENT	CAPACITOR	SPEED	AIR FLOW	SOUND PRESSURE	INSULATION CLASS	PROTECTION CLASS	WEIGHT	PIECES IN BOX
TYPE	V	Hz	W	(A)	(μF)	r.p.m	m ³ /h	dB(A)	Ins.cl.	IP	kg	AD
BPP 15	230	50/60	25	0,10	-	1350/1620	300/360	40	B	20	1,8	5
BPP 20	230	50/60	30	0,12	-	1250/1450	500/580	41	B	20	2,6	5
BPP 25	230	50/60	35	0,15	-	1250/1375	735/810	43	B	20	2,8	5
BPP 30	230	50/60	40	0,19	-	1100	1100	44	B	20	3,2	5

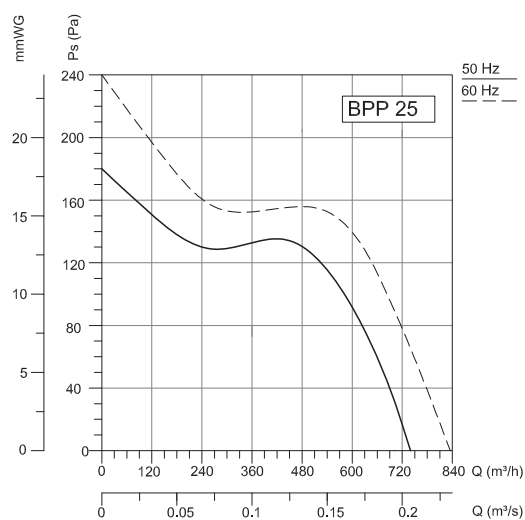
Sound Level Measured from 3m distance in room condition.



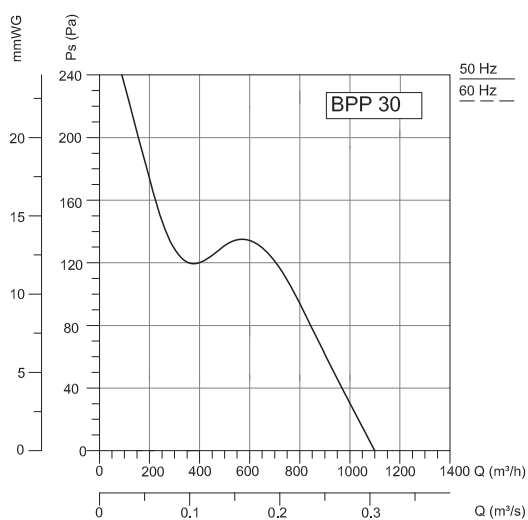
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L _{WA} Surrounding	47	24	43	36	41	36	34	31	29	dB(A)



Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L _{WA} Surrounding	48	25	44	37	42	37	35	32	30	dB(A)



Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L _{WA} Surrounding	50	25	39	41	47	41	39	34	39	dB(A)



Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L _{WA} Surrounding	51	23	35	39	49	43	41	35	28	dB(A)

Accessories



BSC



BTM

PRESSURATION FANS / Tube

Fan Components and Material Properties

Cylindrical tube casing, airfoil wing structure and direct coupled motor fans with 3500 m³ / h flow rate of 115000 m³ / h and Ø400 mm - Ø1250 mm 16 models are available in the range options. Body is made of steel with electrostatic powder coating. The motor and fan impeller are connected to the main body by steel carriers. It can be manufactured with foot on request.

Fan Structure

Axial wings are produced in pressurized aluminum casting and airfoil structure. The aerodynamically optimized wings provide high efficiency.

Benefits

It works with low noise levels and is designed to be maintenance-free for long periods of time. Speed can be adjusted with speed control devices. The wings are manufactured at the ideal angle and in the form of wings and provide maximum performance.

Speed Control

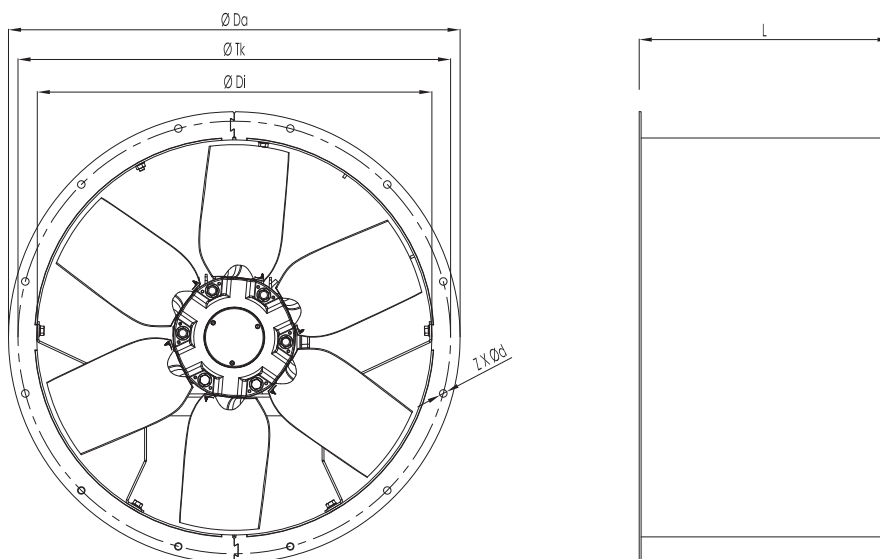
Optional control devices can be provided.

3 ~ phase products can be controlled by frequency inverter (see BSC-F accessory).

Usage Areas

BTM type axial fans are used for stair pressurization, lift pressurization, ambient pressurization and ambient exhaust applications. They are manufactured from durable metal alloy body by using high efficiency aluminum fins.

Technical Drawing and Tables



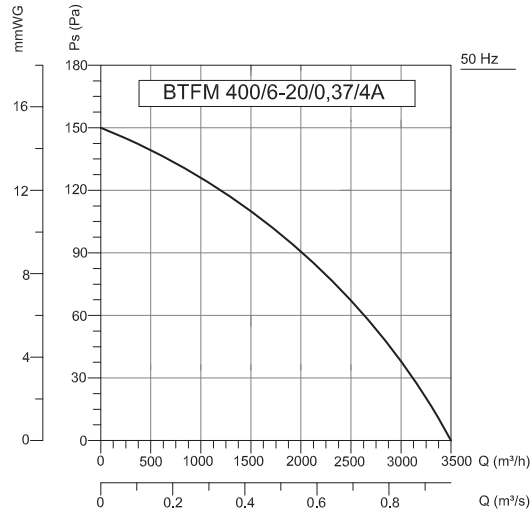
TYPE	ØDi	ØDa	ØTk	ØL	ZXØD
BTM 400	400	480	450	350	8X12
BTM 450	450	530	500	350	8X12
BTM 500	500	590	560	400	12X12
BTM 560	560	650	620	400	12X12
BTM 630	630	720	690	400	12X12
BTM 710	710	800	770	450	16X12
BTM 800	800	890	860	500	16X12
BTM 900	900	1005	970	550	16X15
BTM 1000	1000	1105	1070	700	16X15
BTM 1250	1250	1390	1320	850	20X15

Dimensions are in (mm)

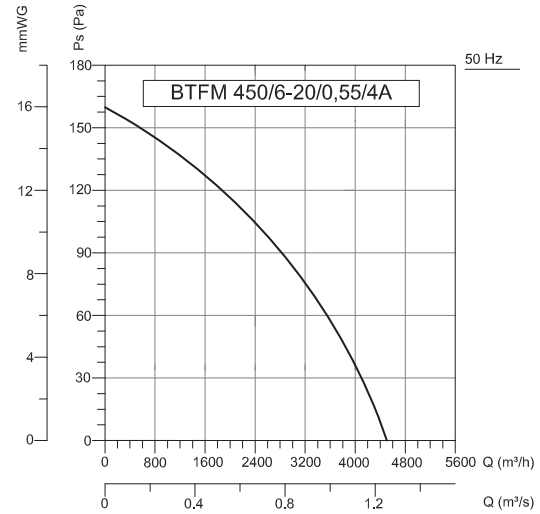
TYPE	VOLTAGE	FREQUENCY	POWER	CURRENT	CAPACITOR	SPEED	AIR FLOW	SOUND PRESSURE	INSULATION CLASS	PROTECTION CLASS
	V	Hz	kW	(A)	(μF)	r.p.m	m³/h	dB(A)	Ins.cl.	IP
BTfM 400-M/6-20/0,37/4A	230	50	0,37	2,6	15	1390	3500	60	F	55
BTfM 450-M/6-20/0,55/4A	230	50	0,55	3,3	20	1365	4500	62	F	55
BTfM 500-M/6-20/0,55/4A	230	50	0,55	3,3	20	1365	7000	66	F	55
BTfM 560-M/6-18/0,75/4A	230	50	0,75	4,6	30	1405	10000	63	F	55
BTfM 630-M/6-16/1,1/4A	230	50	1,1	7,1	35	1410	14000	70	F	55
BTfM 710-M/6-14/1,5/4A	230	50	1,5	3,5	50	1410	17500	71	F	55
BTfM 800-M/6-10/2,2/4A	230	50	2,2	13,4	60	1425	23000	74	F	55
BTfM 800-M/6-14/3/4A	230	50	3	19,0	60	1425	25000	76	F	55
BTfM 400-T/6-20/0,37/4A	380	50	0,37	1,2	-	1390	3500	60	F	55
BTfM 450-T/6-20/0,55/4A	380	50	0,55	1,6	-	1365	4500	62	F	55
BTfM 500-T/6-20/0,55/4A	380	50	0,55	1,6	-	1365	7000	66	F	55
BTfM 560-T/6-18/0,75/4A	380	50	0,75	2,1	-	1405	10000	63	F	55
BTfM 630-T/6-16/1,1/4A	380	50	1,1	2,6	-	1410	14000	70	F	55
BTfM 710-T/6-14/1,5/4A	380	50	1,5	3,5	-	1410	17500	71	F	55
BTfM 800-T/6-10/2,2/4A	380	50	2,2	5,0	-	1425	23000	74	F	55
BTfM 800-T/6-14/3/4A	380	50	3	6,6	-	1425	25000	76	F	55
BTfM 900-T/6-12/4/4A	380	50	4	8,4	-	1440	35000	79	F	55
BTfM 900-T/6-16/5,5/4A	380	50	5,5	11,2	-	1465	40000	81	F	55
BTfM 1000-T/6-14/7,5/4A	380	50	7,5	15,4	-	1465	50000	84	F	55
BTfM 1000-T/6-20/11/4A	380	50	11	21,3	-	1465	60000	86	F	55
BTfM 1000-T/6-24/15/4A	380	50	15	29,4	-	1465	70000	87	F	55
BTfM 1000-T/6-28/18,5/4A	380	50	18,5	34,5	-	1470	80000	88	F	55
BTfM 1250-T/6-14/22/4A	380	50	22	42,5	-	1470	100000	94	F	55
BTfM 1250-T/6-20/30/4A	380	50	30	55,0	-	1470	115000	94	F	55

Sound Level Measured from 3m distance in room condition.

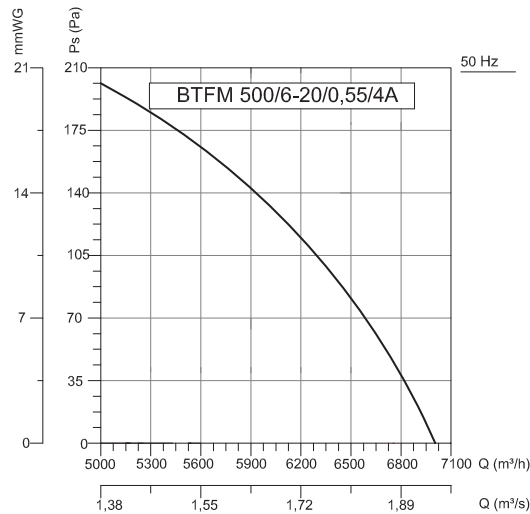




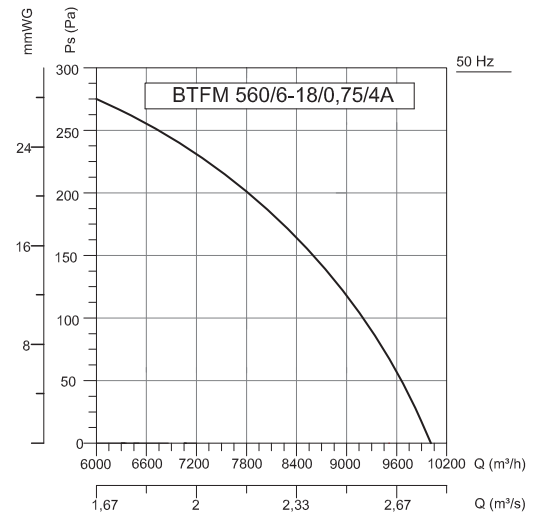
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{WA} Outlet	78	50	60	68	74	73	70	65	58	dB(A)
L_{WA} In-duct	80	50	63	71	75	75	72	68	62	dB(A)
(3m-Free Field)	60	35	42	51	55	54	53	49	45	dB(A)



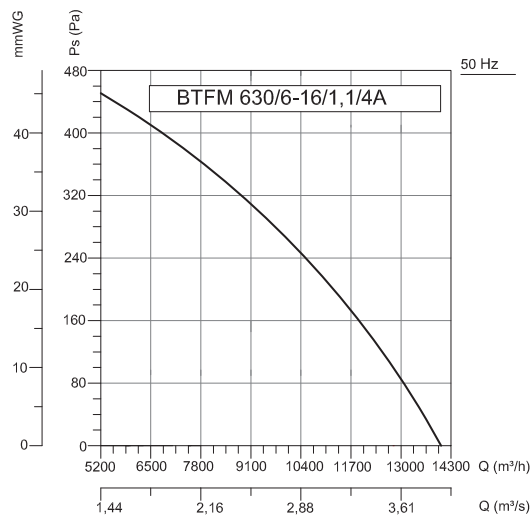
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{WA} Outlet	80	51	62	70	74	75	73	65	60	dB(A)
L_{WA} In-duct	82	53	64	73	76	77	74	71	65	dB(A)
(3m-Free Field)	62	35	45	52	58	57	54	50	44	dB(A)



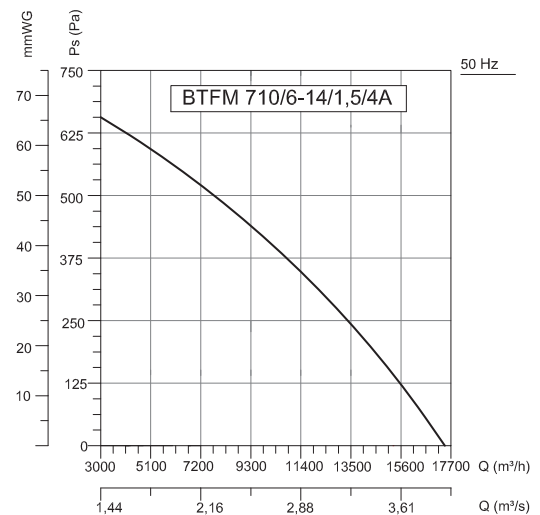
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{WA} Outlet	83	55	65	74	78	78	76	71	64	dB(A)
L_{WA} In-duct	85	57	67	76	80	80	77	73	66	dB(A)
(3m-Free Field)	66	40	48	56	62	61	58	54	49	dB(A)



Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{WA} Outlet	81	52	62	71	75	76	73	68	61	dB(A)
L_{WA} In-duct	82	52	64	72	77	77	74	70	63	dB(A)
(3m-Free Field)	63	35	45	53	58	58	55	51	44	dB(A)

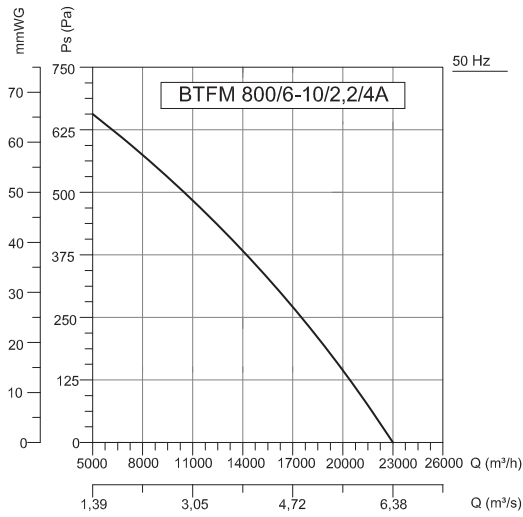


Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{WA} Outlet	88	59	70	79	82	83	79	76	68	dB(A)
L_{WA} In-duct	89	62	71	79	84	84	81	77	70	dB(A)
(3m-Free Field)	70	43	52	61	65	65	63	58	52	dB(A)

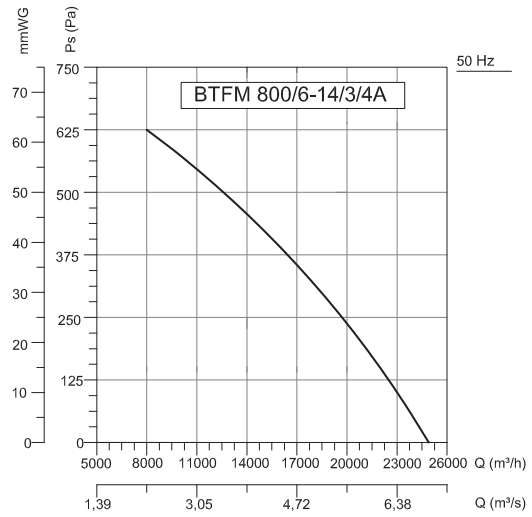


Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{WA} Outlet	88	60	70	78	83	83	80	76	69	dB(A)
L_{WA} In-duct	89	61	71	80	84	84	82	77	70	dB(A)
(3m-Free Field)	71	42	52	61	65	66	63	59	51	dB(A)

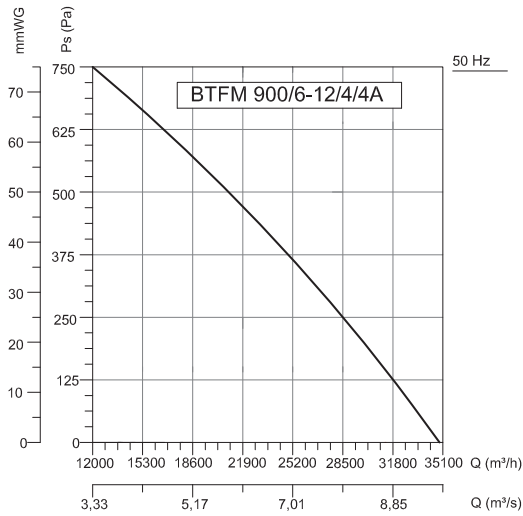
AXIAL FANS / PRESSURATION FANS



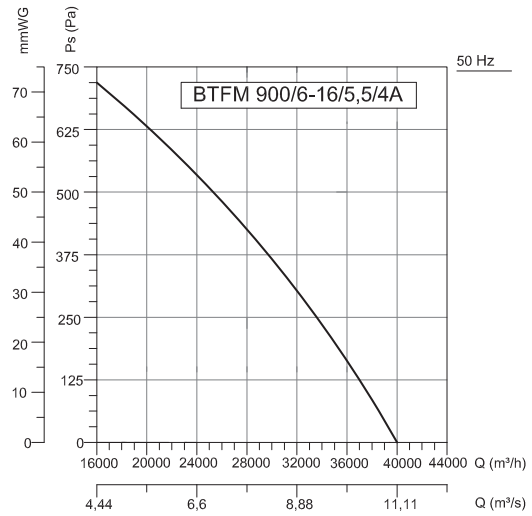
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{WA} Outlet	91	63	73	82	86	86	83	79	72	dB(A)
L_{WA} In-duct	92	65	74	83	87	87	85	80	74	dB(A)
(3m-Free Field)	74	44	55	64	68	69	66	63	54	dB(A)



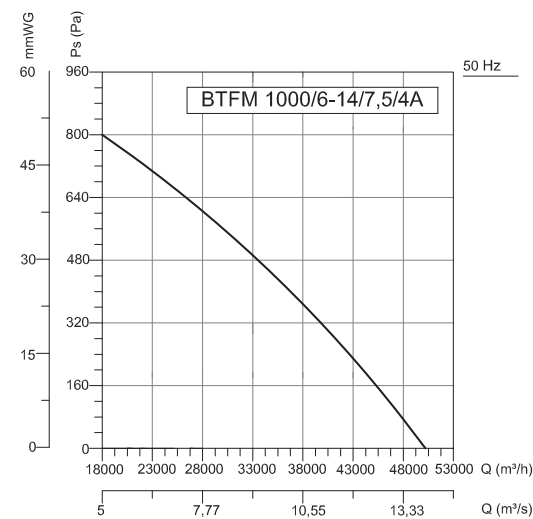
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{WA} Outlet	93	66	76	84	88	88	86	81	73	dB(A)
L_{WA} In-duct	95	64	75	85	89	90	87	82	74	dB(A)
(3m-Free Field)	76	49	58	66	71	71	68	65	58	dB(A)



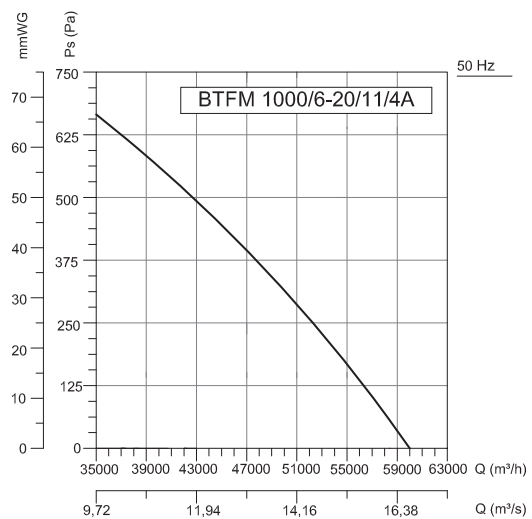
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{WA} Outlet	96	67	78	87	91	91	89	84	78	dB(A)
L_{WA} In-duct	97	69	79	89	92	92	90	84	77	dB(A)
(3m-Free Field)	79	52	61	69	74	74	71	67	61	dB(A)



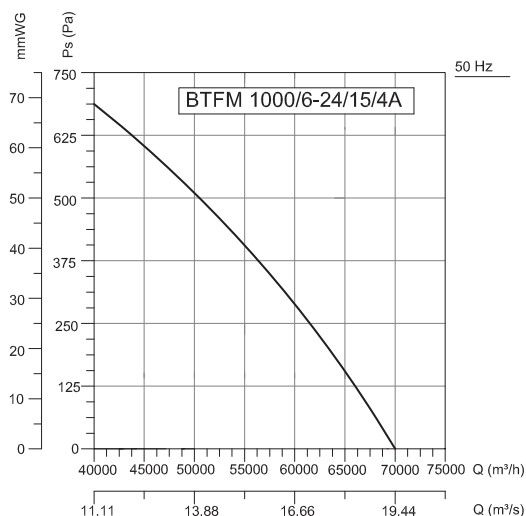
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{WA} Outlet	98	70	80	89	93	93	91	86	79	dB(A)
L_{WA} In-duct	99	70	88	90	94	94	91	87	79	dB(A)
(3m-Free Field)	81	54	63	71	76	76	73	69	61	dB(A)



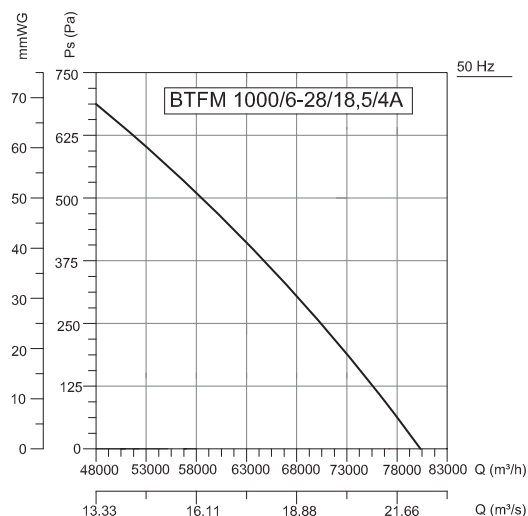
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{WA} Outlet	102	75	83	92	96	97	93	91	82	dB(A)
L_{WA} In-duct	102	75	84	93	96	97	95	90	82	dB(A)
(3m-Free Field)	84	55	66	74	79	78	76	72	64	dB(A)



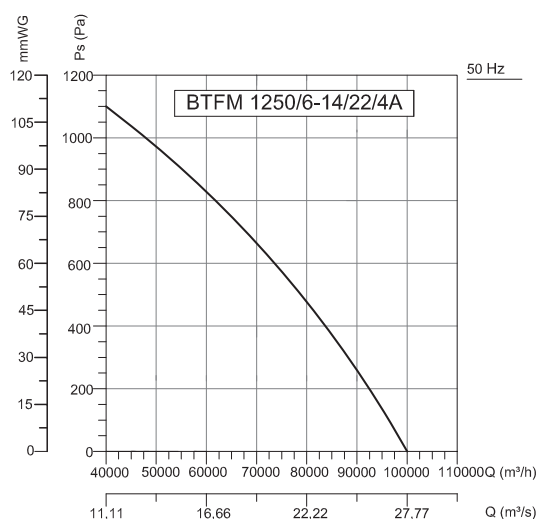
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{WA} Outlet	103	76	85	94	98	98	96	92	84	dB(A)
L_{WA} In-duct	104	76	86	95	99	98	96	93	85	dB(A)
(3m-Free Field)	86	58	68	76	81	82	78	74	68	dB(A)



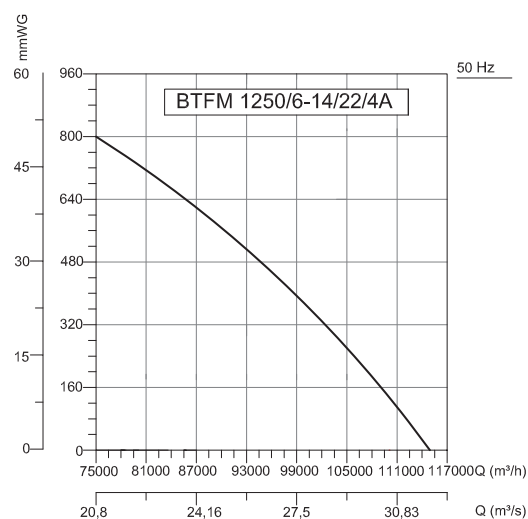
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L _{WA} Outlet	105	78	87	95	99	100	97	94	86	dB(A)
L _{WA} In-duct	106	78	87	96	100	101	99	94	85	dB(A)
(3m-Free Field)	87	60	69	78	82	81	79	75	65	dB(A)



Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L _{WA} Outlet	106	77	88	96	101	101	98	94	86	dB(A)
L _{WA} In-duct	107	78	88	97	101	102	99	95	88	dB(A)
(3m-Free Field)	88	59	70	79	83	84	80	76	69	dB(A)



Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L _{WA} Outlet	112	83	94	102	107	106	104	100	92	dB(A)
L _{WA} In-duct	112	85	94	103	108	107	104	100	93	dB(A)
(3m-Free Field)	94	65	76	86	89	89	87	82	74	dB(A)



Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L _{WA} Outlet	112	83	94	102	107	106	104	99	92	dB(A)
L _{WA} In-duct	113	85	94	104	107	108	105	102	93	dB(A)
(3m-Free Field)	94	65	76	85	89	88	87	82	76	dB(A)

Accessories



BSC-F



BESB



BKFB



BSST



BTEK



BTY



BBDD



BTFM-EX

PRESSURATION FANS / Exproof

Fan Components and Material Properties

Cylindrical tube casing, airfoil wing structure and direct coupled motor fans with 3500 m³ / h flow rate of 115000 m³ / h and Ø400 mm - Ø1250 mm 16 models are available in the range options. Body is made of steel with electrostatic powder coating. The motor and fan impeller are connected to the main body by steel carriers. In the case of friction due to the body around the propeller, aluminum sheet is used to prevent sparks. Asynchronous ex-proof motor is used in all models. The motor is out of airflow. It can be manufactured with foot on request.

Fan Structure

Axial wings are produced in pressurized aluminum casting and airfoil structure. The aerodynamically optimized wings provide high efficiency.

Benefits

It works with low noise levels and is designed to be maintenance-free for long periods of time. Speed can be adjusted with speed control devices. The wings are manufactured at the ideal angle and in the form of wings and provide maximum performance.

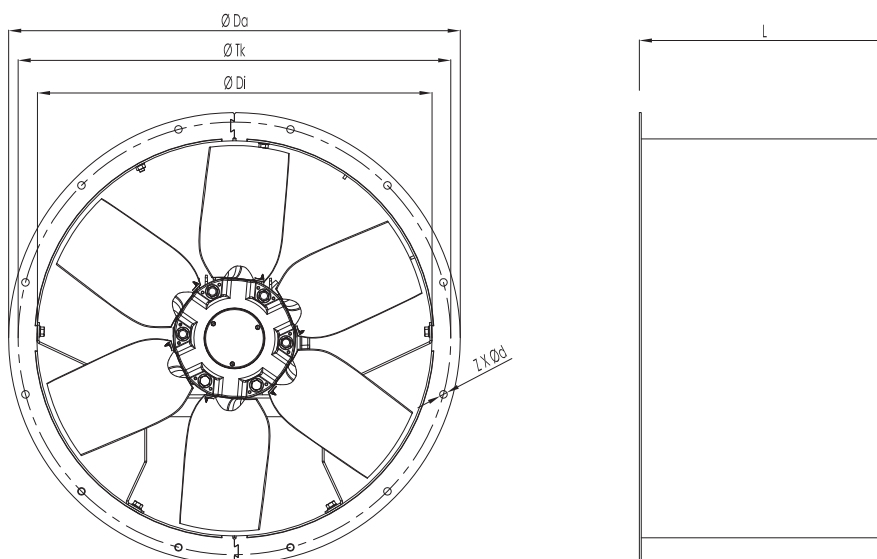
Speed Control

Optional control devices can be provided. 3~phase products with frequency inverter speed control can be done. (see BSC-F accessory)

Usage Areas

Ex-proof fans or ex-proof fans are one of the preferred fan types for the ventilation of high-risk environments. It is designed to be non-sparking. Usage areas are determined according to the degree of Atex directive.

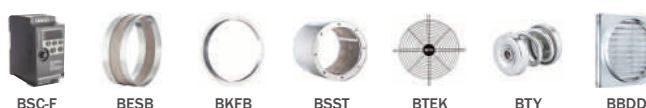
Technical Drawing and Tables



TYPE	ØDi	ØDa	ØTk	ØL	ZXØD
BTFM 400	400	480	450	350	8X12
BTFM 450	450	530	500	350	8X12
BTFM 500	500	590	560	400	12X12
BTFM 560	560	650	620	400	12X12
BTFM 630	630	720	690	400	12X12
BTFM 710	710	800	770	450	16X12
BTFM 800	800	890	860	500	16X12
BTFM 900	900	1005	970	550	16X15
BTFM 1000	1000	1105	1070	700	16X15
BTFM 1250	1250	1390	1320	850	20X15

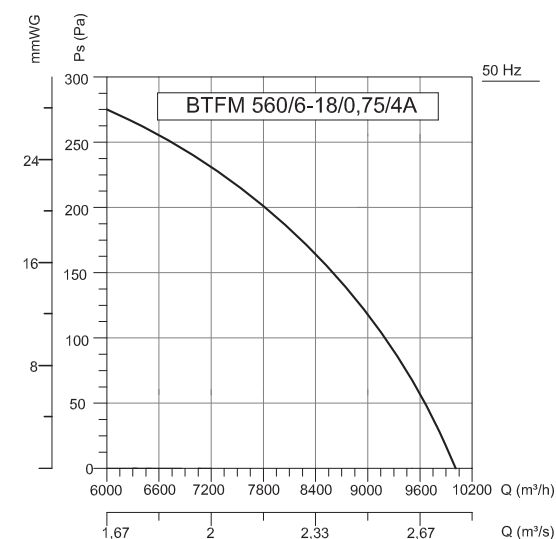
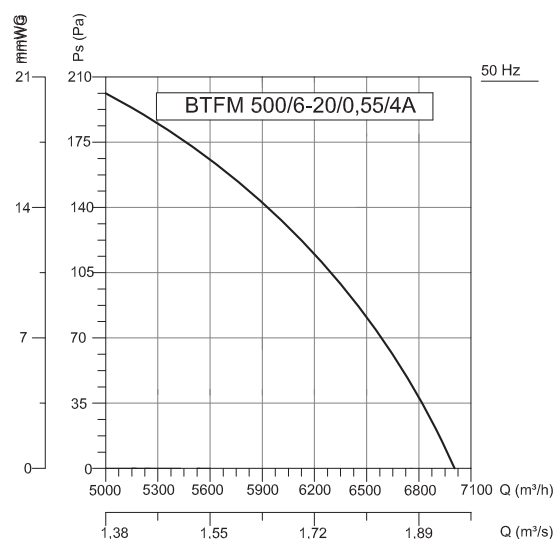
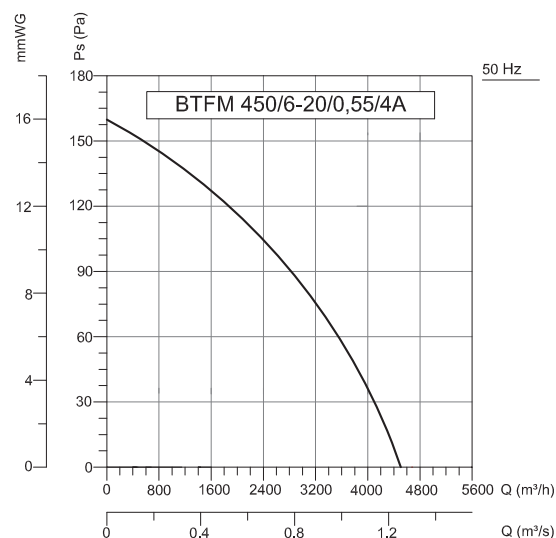
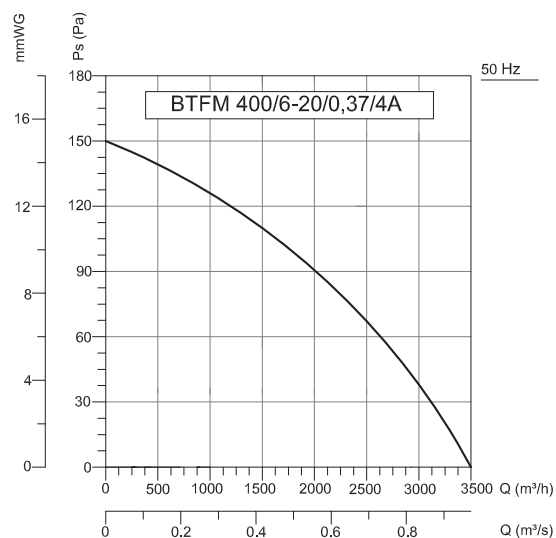
Dimensions are in (mm)

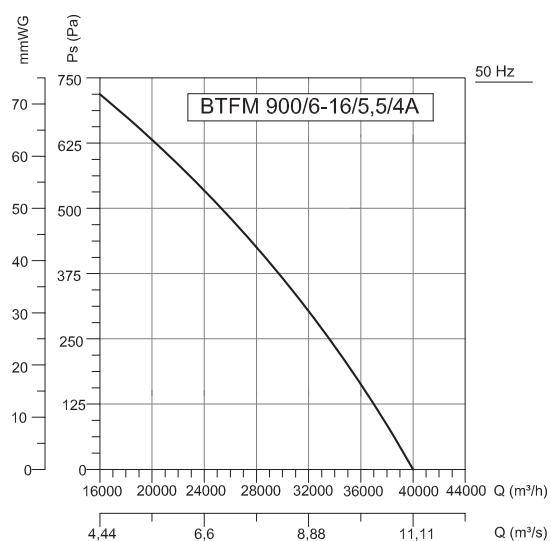
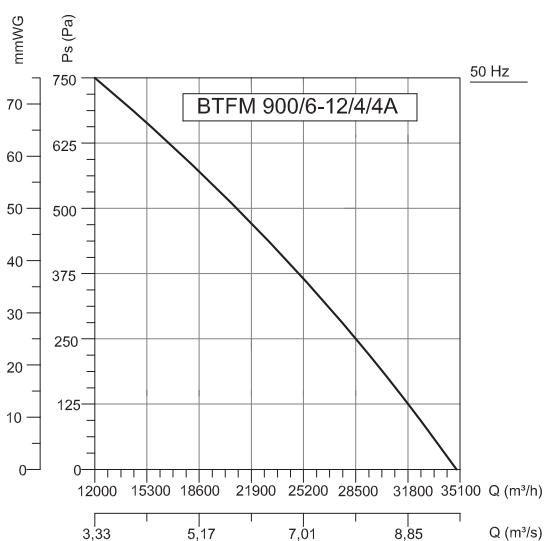
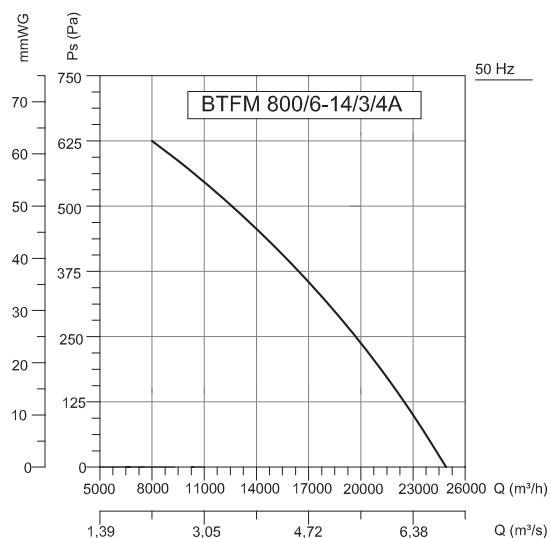
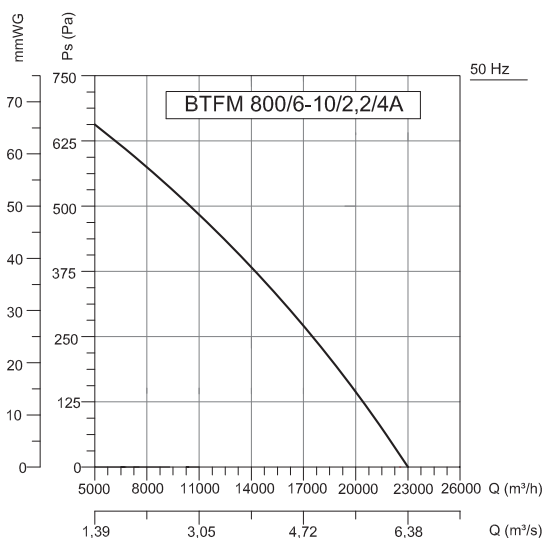
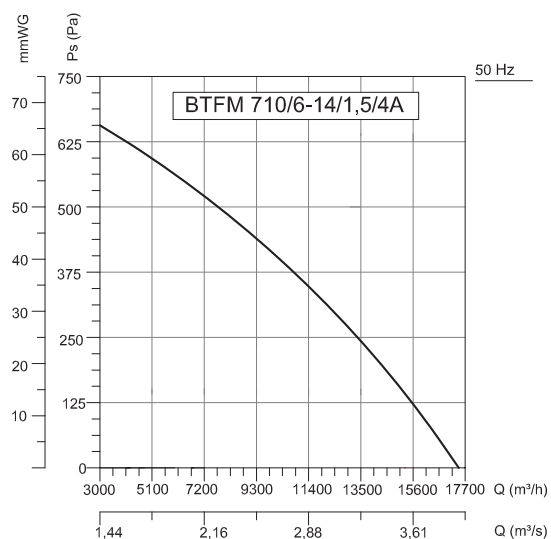
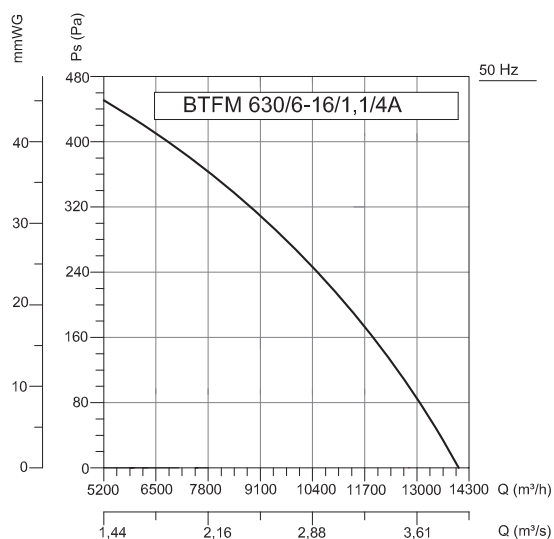
Accessories

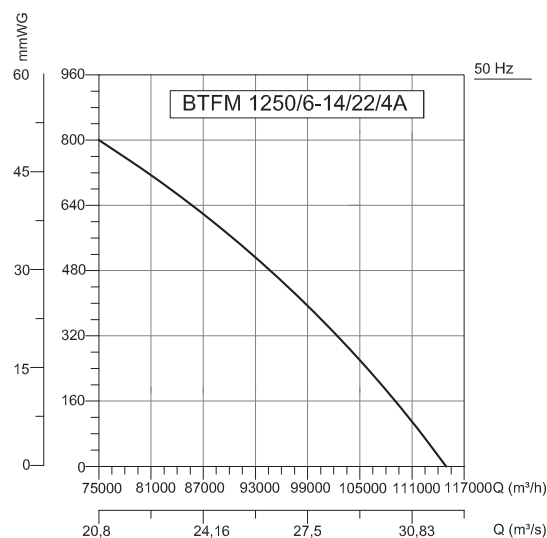
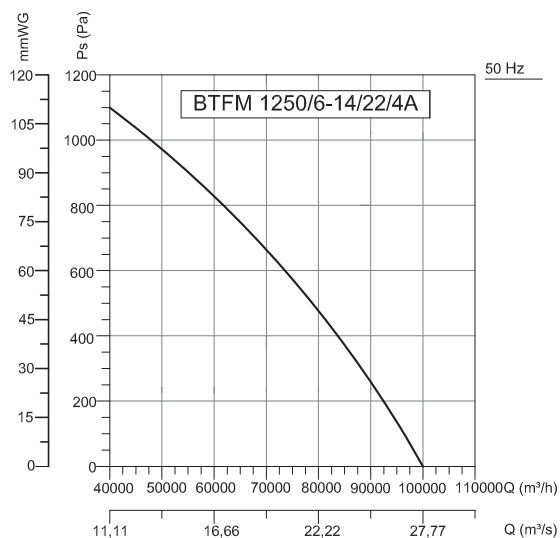
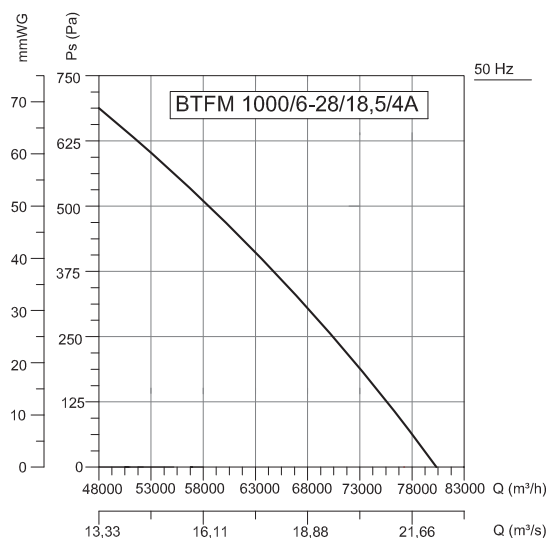
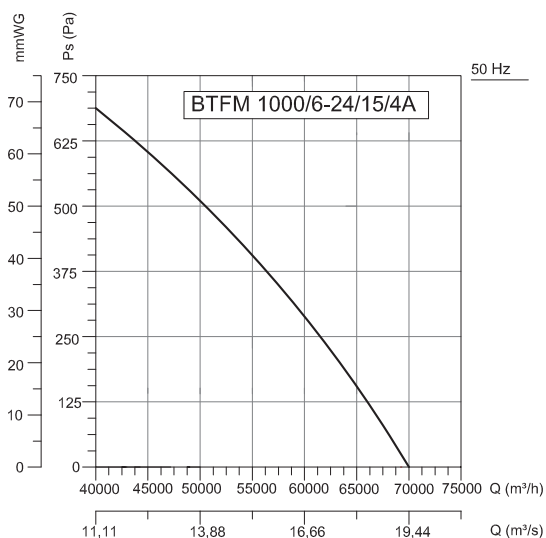
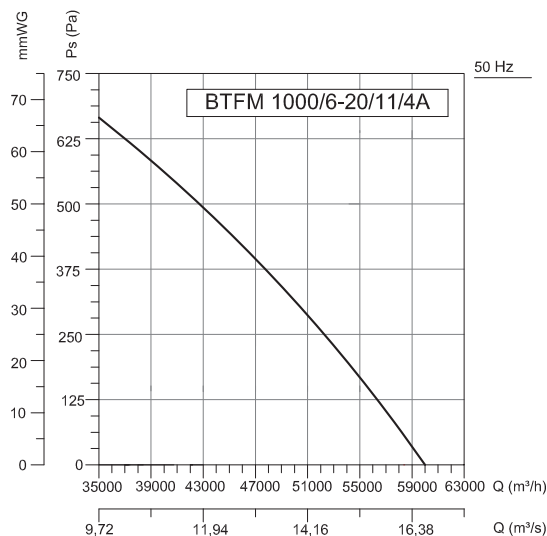
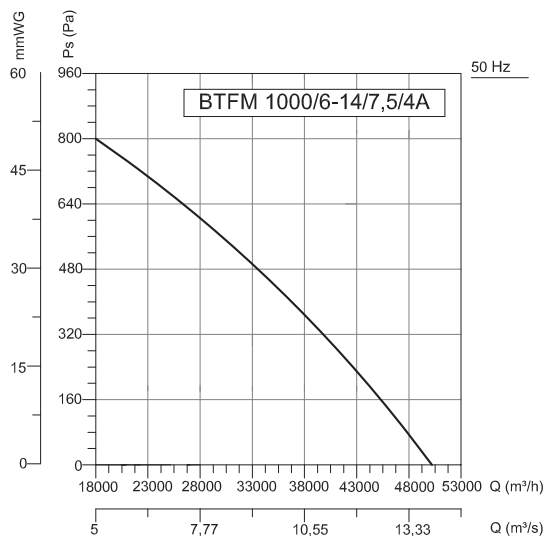


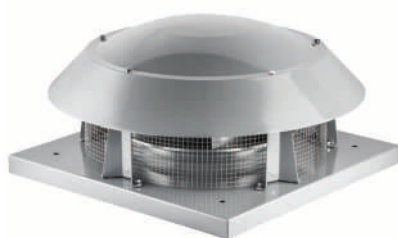
TYPE	VOLTAGE	FREQUENCY	POWER	CURRENT	CAPACITOR	SPEED	AIR FLOW	SOUND PRESSURE	INSULATION CLASS	PROTECTION CLASS
	V	Hz	kW	(A)	(μF)	r.p.m	m³/h	dB(A)	Ins.cl.	IP
BTFM 400-T/6-20/EX	380	50	0,37	1,2	-	1390	3500	60	F	55
BTFM 450-T/6-20/EX	380	50	0,55	1,6	-	1365	4500	62	F	55
BTFM 500-T/6-20/EX	380	50	0,55	1,6	-	1365	7000	66	F	55
BTFM 560-T/6-18/EX	380	50	0,75	2,1	-	1405	10000	63	F	55
BTFM 630-T/6-16/EX	380	50	1,1	2,6	-	1410	14000	70	F	55
BTFM 710-T/6-14/EX	380	50	1,5	3,5	-	1410	17500	71	F	55
BTFM 800-T/6-10/EX	380	50	2,2	5,0	-	1425	23000	74	F	55
BTFM 800-T/6-14/EX	380	50	3	6,6	-	1425	25000	76	F	55
BTFM 900-T/6-12/EX	380	50	4	8,4	-	1440	35000	79	F	55
BTFM 900-T/6-16/EX	380	50	5,5	11,2	-	1465	40000	81	F	55
BTFM 1000-T/6-14/EX	380	50	7,5	15,4	-	1465	50000	84	F	55
BTFM 1000-T/6-20/EX	380	50	11	21,3	-	1465	60000	86	F	55
BTFM 1000-T/6-24/EX	380	50	15	29,4	-	1465	70000	87	F	55
BTFM 1000-T/6-28/EX	380	50	18,5	34,5	-	1470	80000	88	F	55
BTFM 1250-T/6-14/EX	380	50	22	42,5	-	1470	100000	94	F	55
BTFM 1250-T/6-20/EX	380	50	30	55,0	-	1470	115000	94	F	55

Sound Level Measured from 3m distance in room condition.









BRF

HORIZONTAL OUTLET ROOF FANS / Backward Curved

Fan Components and Material Properties

The mounting plate and fan cap of the BRF series horizontal discharge centrifugal fans are made of electrostatic powder coated sheet metal. The fan are made of high quality galvanized sheet steel which is resistant to corrosion. All models have an external rotor motor with closed structure. The device is capable of handling air at max.40°C.

Fan Structure

The fan blades are aerodynamically curved and provide regular flow. The fans are composed of backward sloping and infrequently arranged fins.

Benefits

Lightweight and compact housing for easy installation. Thanks to the aerodynamic wing structure, they work quietly. Speed can be adjusted with speed control devices.

Speed Control

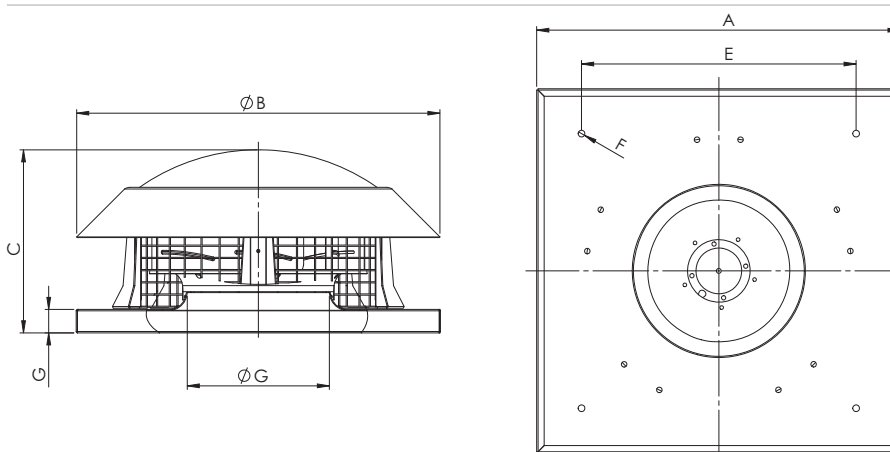
Optional control devices can be provided. Speed control can be done with linear voltage regulator in 1 ~ phase products (see BSC accessory).

Speed control with frequency inverter can be done in 3 ~ phase products (see BSC-F accessory)

Usage Areas

In order to improve the indoor air quality, BRF roof fans operate at low noise level with an external rotor motor. It is used on the roofs of the places where the air is to be refreshed and the chimneys on the roofs of the bathrooms and wc's which are opened to the common shaft of the buildings.

Technical Drawing and Tables

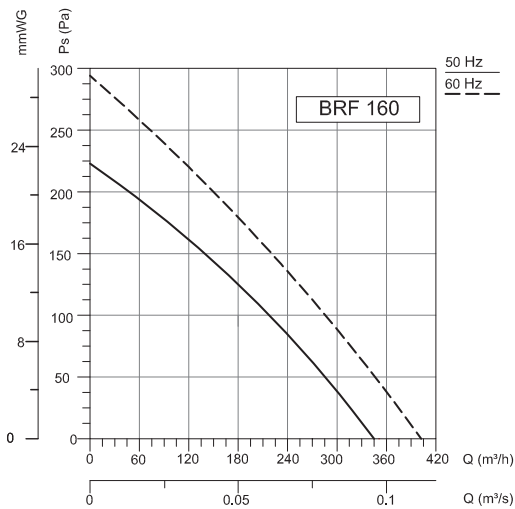


TYPE	A	B	C	D	E	F	G
BRF 160	252	260	140	25	210	6	99
BRF 180	252	260	140	25	210	6	99
BRF 225	336	386	212	35	274	11	144
BRF 250	370	386	225	35	290	11	162
BRF 315	454	443	293	40	333	11	198
BRF 355	595	595	285	40	450	11	234
BRF 400	595	685	355	40	450	12	268
BRF 450	664	685	400	40	450	12	303
BRF 500	798	824	385	40	600	12	342
BRF 560	798	824	400	40	600	12	380

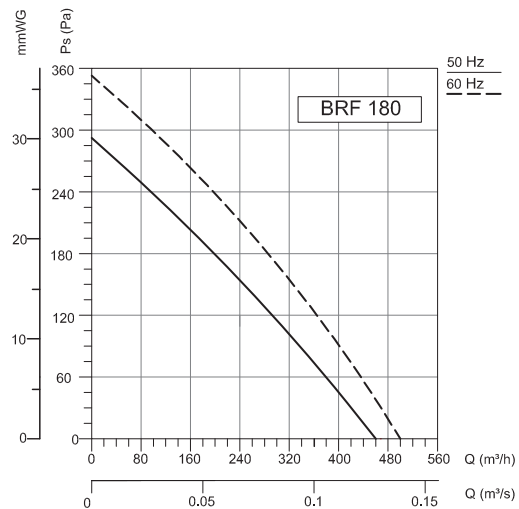
Dimensions are in (mm)

TYPE	VOLTAGE	FREQUENCY	POWER	CURRENT	CAPACITOR	SPEED	AIR FLOW	SOUND PRESSURE	INSULATION CLASS	PROTECTION CLASS	WEIGHT
	V	Hz	W	(A)	(μF)	r.p.m	m³/h	dB(A)	Ins.cl.	IP	kg
BRF 160	230	50/60	60	0,3	2	2600/3000	346/400	44-36	B	44	3,5
BRF 180	230	50/60	70/90	0,35/0,43	2,5	2500/2750	460/500	49-41	B	44	3,7
BRF 225	230	50/60	80/100	0,40/0,50	3	2750/3100	902/1020	50-42	B	44	7
BRF 250	230	50/60	125/175	0,61/0,91	6	2800/3180	1212/1375	52-44	B	44	8
BRF 315	230	50/60	130/155	0,72	3	1425/1650	2000/2315	47-39	F	44	12,8
BRF 355	230	50/60	200/245	1,05	6	1400/1680	2900/3500	46-38	F	44	18
BRF 400	230	50/60	310/460	1,56/2,27	10	1380/1560	4100/4600	51-43	F	44	22
BRF 450	230	50/60	430/655	2,2/3,2	10	1370/1525	5400/6000	52-44	F	44	28
BRF 500	400 Δ	50	880	2,1	-	1400	7550	54-46	F	54	45,5
BRF 560	400 Δ	50	1350	2,6	-	1400	9600	66-58	F	54	48

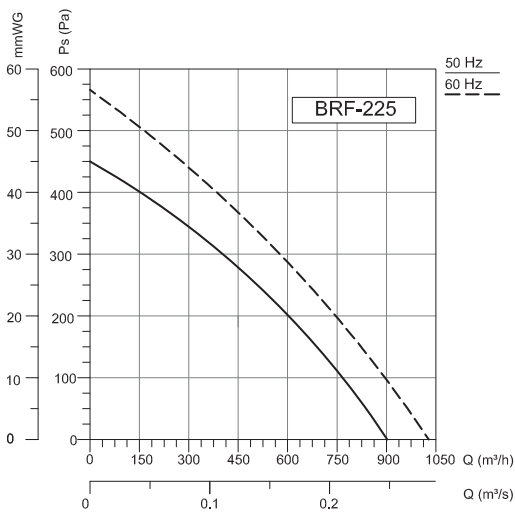
The sound level is measured at a distance of 4-10 m in open field condition.



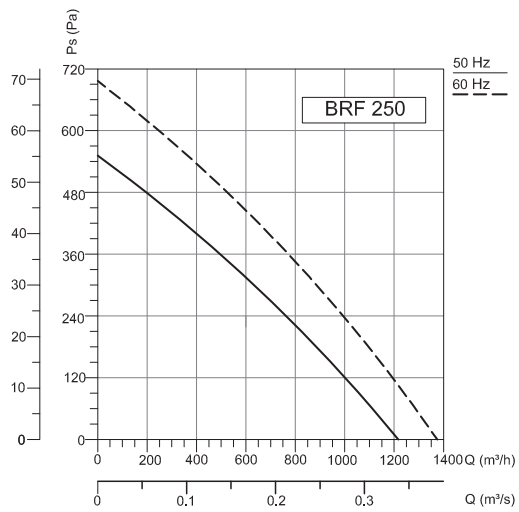
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{WA} Inlet	66	37	55	59	61	60	57	52	45	dB(A)
L_{WA} Surrounding	67	38	56	60	62	61	58	53	46	dB(A)



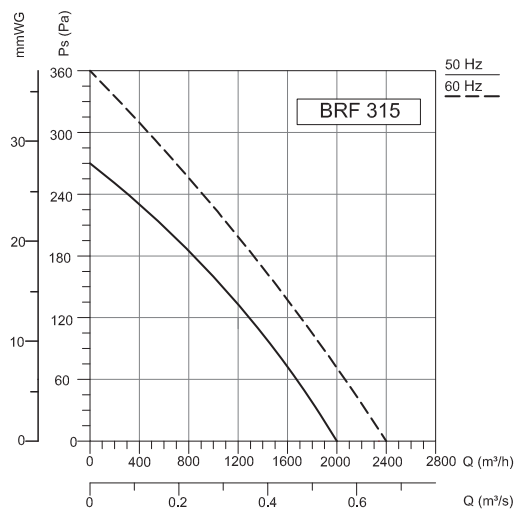
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{WA} Inlet	70	41	59	63	65	64	61	56	49	dB(A)
L_{WA} Surrounding	71	42	60	64	66	65	62	57	50	dB(A)



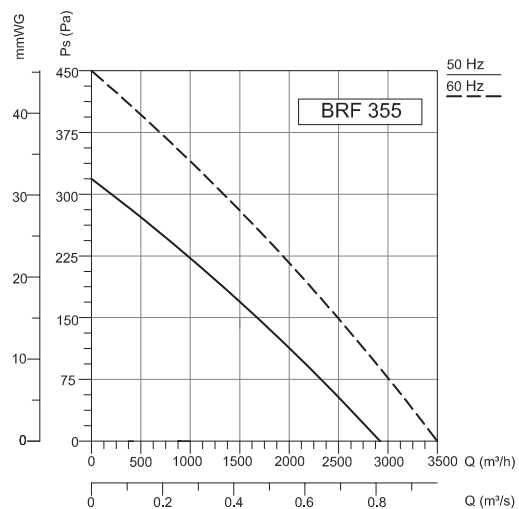
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{WA} Inlet	72	43	61	65	67	66	63	58	51	dB(A)
L_{WA} Surrounding	73	44	60	66	68	67	64	59	52	dB(A)



Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{WA} Inlet	74	45	63	67	69	68	65	60	53	dB(A)
L_{WA} Surrounding	75	46	62	68	70	69	66	61	54	dB(A)

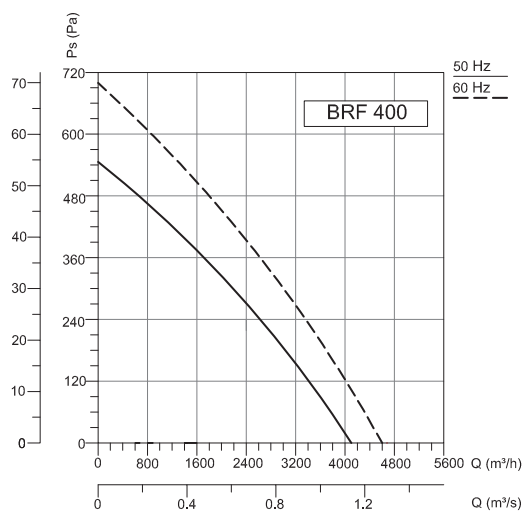


Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{WA} Inlet	68	55	57	61	63	62	59	54	47	dB(A)
L_{WA} Surrounding	70	57	59	63	65	64	61	56	49	dB(A)

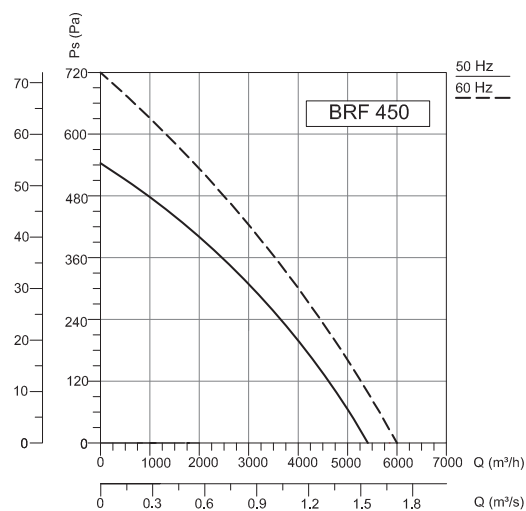


Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{WA} Inlet	67	54	56	60	62	61	58	53	46	dB(A)
L_{WA} Surrounding	69	56	58	62	64	63	60	55	48	dB(A)

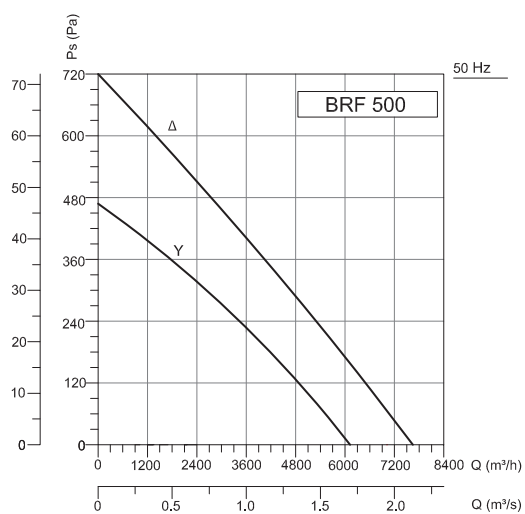
ROOF FANS / HORIZONTAL OUTLET ROOF FANS



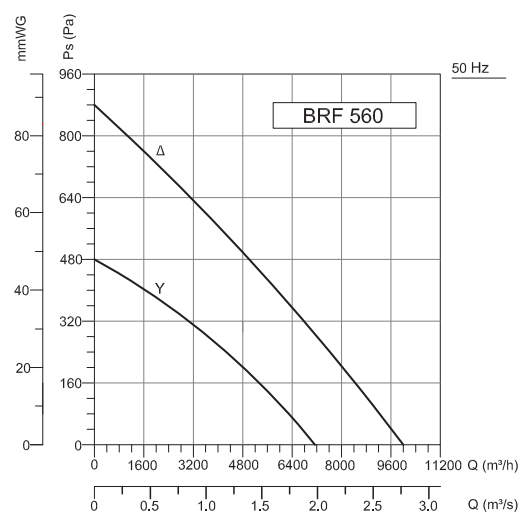
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L _{WA} Inlet	75	43	62	70	65	71	58	54	51	dB(A)
L _{WA} Surrounding	74	47	67	66	70	68	61	56	52	dB(A)



Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L _{WA} Inlet	70	43	58	65	64	61	59	54	55	dB(A)
L _{WA} Surrounding	75	45	64	66	70	69	64	59	57	dB(A)



Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L _{WA} Inlet	75	48	62	72	70	66	63	58	56	dB(A)
L _{WA} Surrounding	77	46	64	68	73	70	68	61	57	dB(A)



Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L _{WA} Inlet	85	58	74	78	80	79	75	70	63	dB(A)
L _{WA} Surrounding	87	58	75	79	81	82	78	72	65	dB(A)

Accessories





BRF-V

VERTICAL OUTLET ROOF FANS

Fan Components and Material Properties

The BRF-V series of vertical-centric roof-type radial fans are made of galvanized sheet steel with the body, mounting plate and fan wheels of the models BRF-V 225-400. The fan wheels of the BRF 450-500-560 models are made of aluminum sheet. All models have an external rotor motor with closed structure. The device is capable of handling air at max.40°C.

Fan Structure

The fan blades are aerodynamically curved and provide regular flow. The fans are composed of backward sloping and infrequently arranged fins.

Benefits

BRF-V roof fans are particularly advantageous in vertical applications due to the fact that air cannot be absorbed horizontally. Thanks to the aerodynamic wing structure, they work quietly. Speed can be adjusted with speed control devices.

Since the rainwater is easily evacuated, water ingress is prevented from entering the chimney.

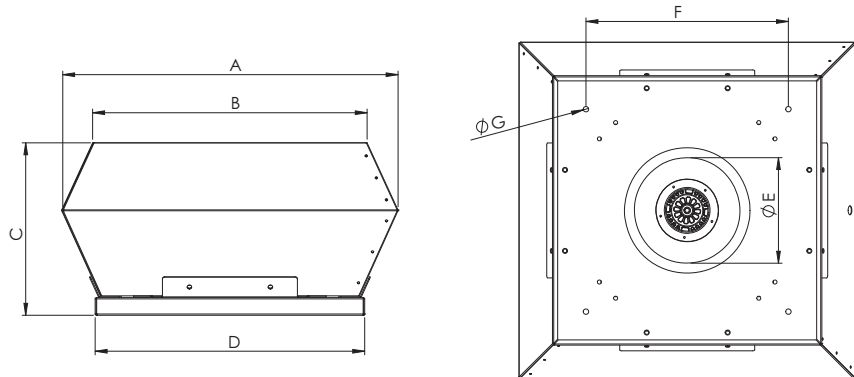
Speed Control

Optional control devices can be provided. Speed control can be done with linear voltage regulator in 1~phase products (see BSC accessory). Speed control with frequency inverter can be done in 3~phase products (see BSC-F accessory)

Usage Areas

In order to increase the air quality of indoor spaces, it is used in situations where vertical shot is required under conditions where air cannot be disposed horizontally. The BRF-V roof fans operate at low volume with an external rotor motor. It is used on the roofs of the places where the air is to be refreshed and the chimneys on the bathroom and wc roofs of the buildings which are opened to the common shaft.

Technical Drawing and Tables



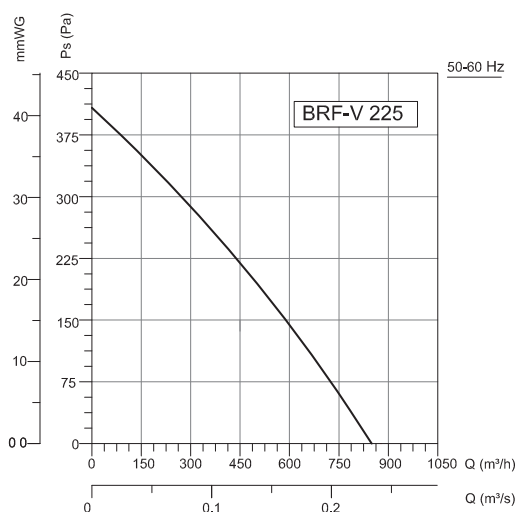
TYPE	A	B	C	D	E	F	G
BRF-V 225	350	295	190	335	146	245	10
BRF-V 315	552	450	330	505	198	450	10
BRF-V 355	745	607	385	595	234	450	10
BRF-V 400	745	607	385	595	268	450	10
BRF-V 450	900	742	512	665	303	535	10
BRF-V 500	900	742	512	665	342	535	12
BRF-V 560	1190	955	595	946	380	740	12

Dimensions are in (mm)

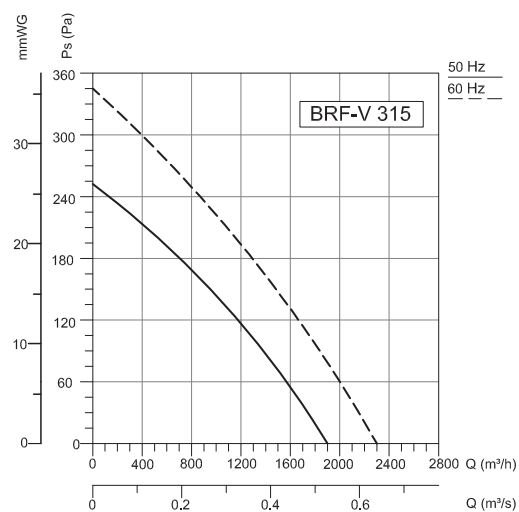
	VOLTAGE	FREQUENCY	POWER	CURRENT	CAPACITOR	SPEED	AIR FLOW	SOUND PRESSURE	INSULATION CLASS	PROTECTION CLASS	WEIGHT
TYPE	V	Hz	W	(A)	(μF)	r.p.m	m³/h	dB(A)	Ins.cl.	IP	kg
BRF-V 225	230	50/60	160/220	0,71/0,99	6	2650	850	43-35	B	44	7
BRF-V 315	230	50/60	130/155	0,73	3	1425/1650	1900/2200	45-37	F	44	22
BRF-V 355	230	50/60	200/255	1,1/1,25	8	1400/1600	2850/3250	46-38	F	44	34
BRF-V 400	230	50/60	310/460	1,56/2,27	10	1380/1560	4000/4521	47-39	F	44	39
BRF-V 450	230	50/60	425/630	2,17/3,15	10	1390/1550	5400/6000	50-42	F	44	51
BRF-V 500	400 Δ	50	880	2,1	-	1400	7550	52-44	F	54	60
BRF-V 560	400 Δ	50	1350	2,6	-	1400	9600	60-52	F	54	99

The sound level is measured at a distance of 4-10 m in open field condition.

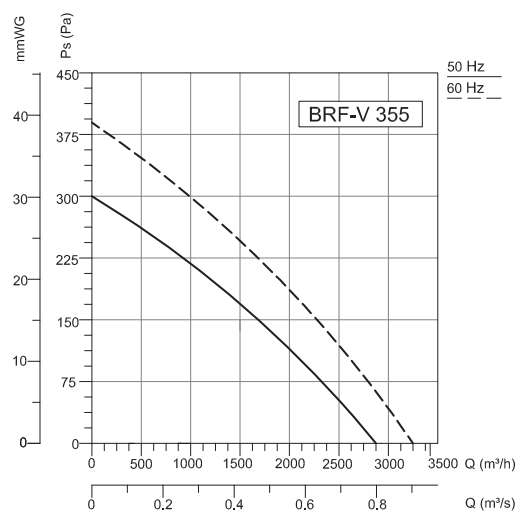
ROOF FANS / VERTICAL ROOF FANS



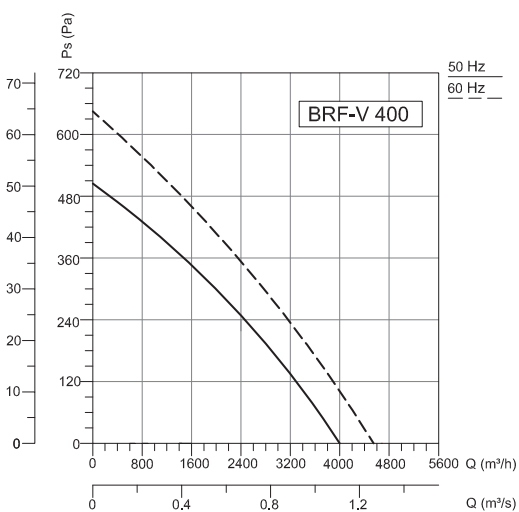
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{WA} Inlet	65	36	54	58	60	59	56	51	44	dB(A)
L_{WA} Surrounding	66	37	53	59	61	60	57	52	45	dB(A)



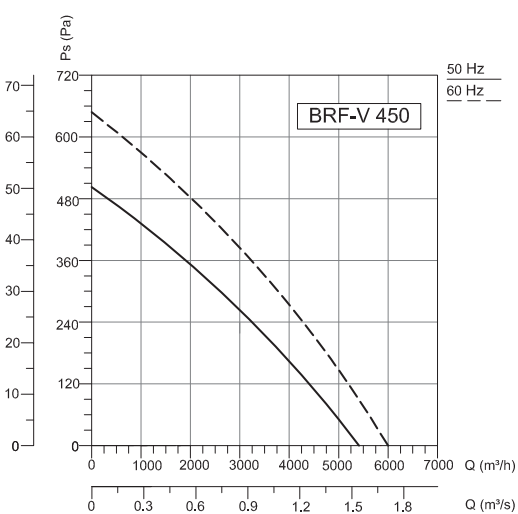
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{WA} Inlet	68	55	57	61	63	62	59	54	47	dB(A)
L_{WA} Surrounding	70	57	59	63	65	64	61	56	49	dB(A)



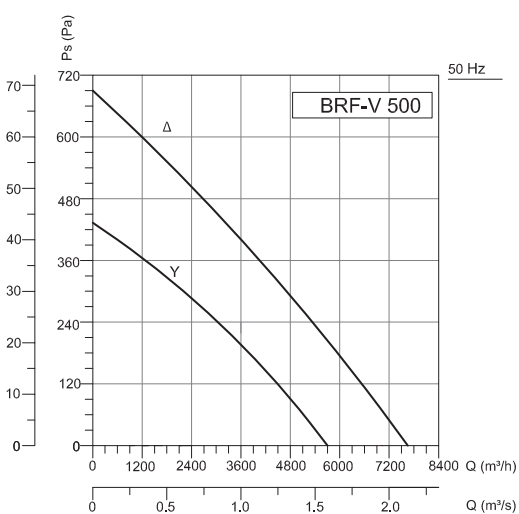
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{WA} Inlet	67	54	56	60	62	61	58	53	46	dB(A)
L_{WA} Surrounding	69	56	58	62	64	63	60	55	48	dB(A)



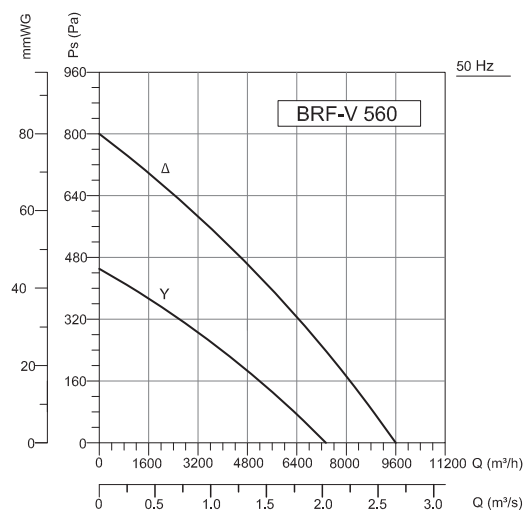
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{WA} Inlet	71	39	58	66	61	67	54	50	47	dB(A)
L_{WA} Surrounding	70	43	63	62	66	64	57	52	48	dB(A)



Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{WA} Inlet	68	51	56	63	62	59	57	52	53	dB(A)
L_{WA} Surrounding	73	43	62	64	68	67	62	57	55	dB(A)



Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{WA} Inlet	73	46	60	70	68	64	61	56	54	dB(A)
L_{WA} Surrounding	75	44	62	66	71	68	66	59	55	dB(A)



Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L _{WA} Inlet	81	54	70	74	76	75	71	66	59	dB(A)
L _{WA} Surrounding	83	54	71	75	77	78	74	68	61	dB(A)

Accessories





BDD

DOUBLE INLET RADIAL FANS / Forward Curved

Fan Components and Material Properties

Fan Body and fan are made of high quality galvanized steel which is resistant to corrosion. DD double suction centrifugal fans operate at high efficiency. It has a self-asynchronous motor and is connected to the motor frame by steel carriers.

Fan Structure

Double suction, forward-curved low pressure radial type fan. The fan wheel is made of high quality galvanized steel which is resistant to corrosion and is manufactured in aerodynamic structure to ensure regular flow. Thanks to its aerodynamic wing structure, it works quietly.

Benefits

It produces high flow rate with its frequent wing structure. It takes less space than fans with belt-pulley mechanisms; it is easy to assemble. With the mounting legs, the air shot directions can be adjusted. Adjustable with speed control devices.

Speed Control

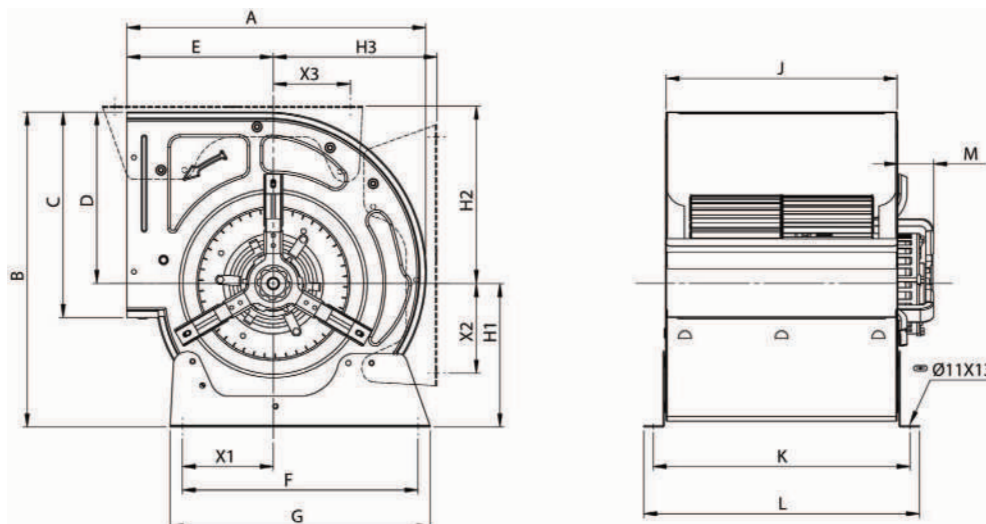
Optional control devices can be provided.

1~phase products with linear voltage regulator speed control can be done. (see BSC accessory)
 3~phase products with frequency inverter speed control can be done. (see BSC-F accessory)

Usage Areas

Box fans, air handling units, fancoils, heat recovery devices and so on. silence, comfort and space saving is preferred.

Technical Drawing and Tables



TYPE	A	B	C	D	E	F	G	J	K	L	M	H1	H2	H3	X1	X2	X3
BDD 7-7	313	333	207	190	154	225	250	236	265	288	55	143	195	167	81	93	73
BDD 9-9	381	400	261	218	186	300	330	296	325	350	45	182	245	209	115	115	98
BDD 10-10	425	455	290	250	197	339	370	333	361	386	40	206	258	238	139	145	178
BDD 12-12	490	535	336	292	229	410	440	398	429	454	35	243	292	270	152	140	186

Dimensions are in (mm)

TYPE	VOLTAGE	FREQUENCY	POWER	CURRENT	CAPACITOR	SPEED	AIR FLOW	SOUND PRESSURE	INSULATION CLASS	PROTECTION CLASS	WEIGHT
	V	Hz	W	(A)	(μF)	r.p.m	m³/h	dB(A)	Ins.cl.	IP	kg
BDD 7-7	230	50	147	2,2	10	1300	1800	60	B	54	9
BDD 9-9	230	50	370	3,6	20	1300	2875	62	B	54	13
BDD 10-10	230	50	600	4,2	20	1380	3425	66	B	54	15
BDD 12-12	230	50	1100	5,8	30	900	5180	62	B	54	26

The sound level is measured at a distance of 3 m in open field condition.

Accessories



BSC-F

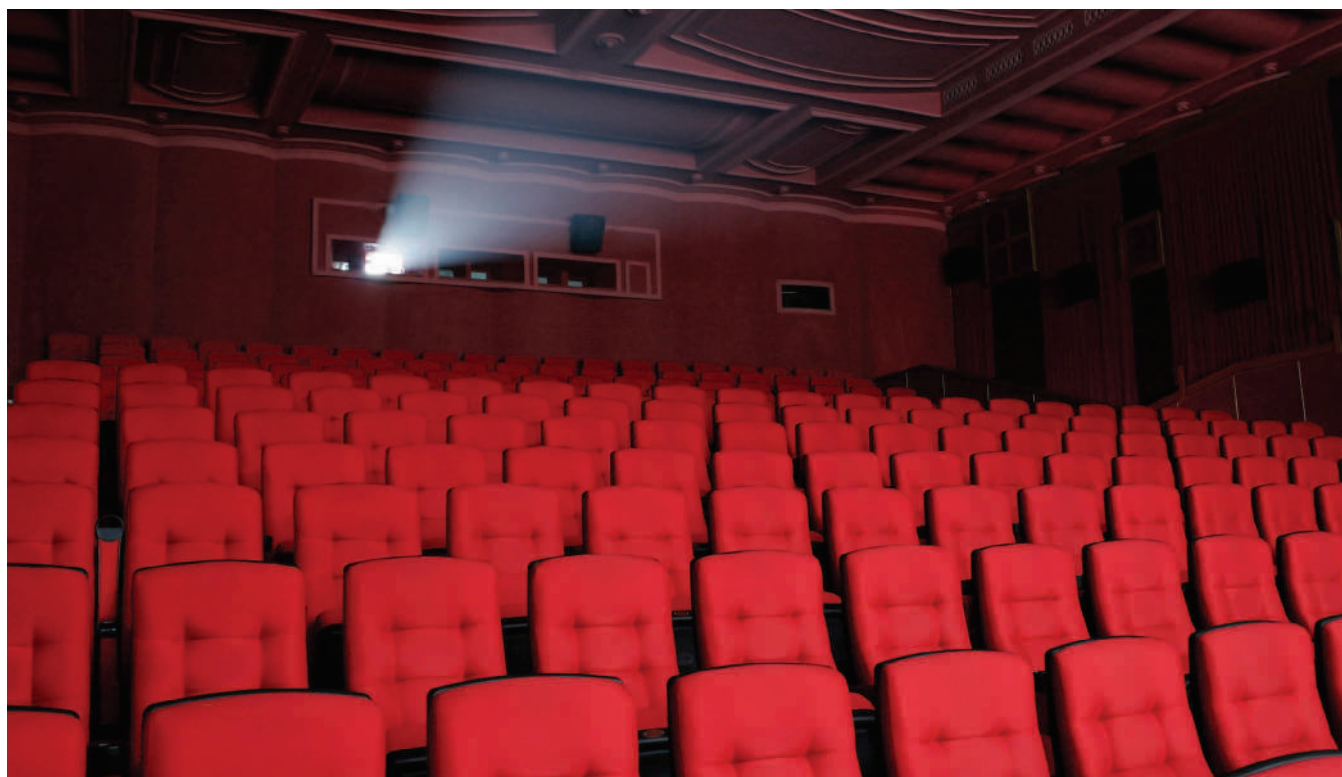
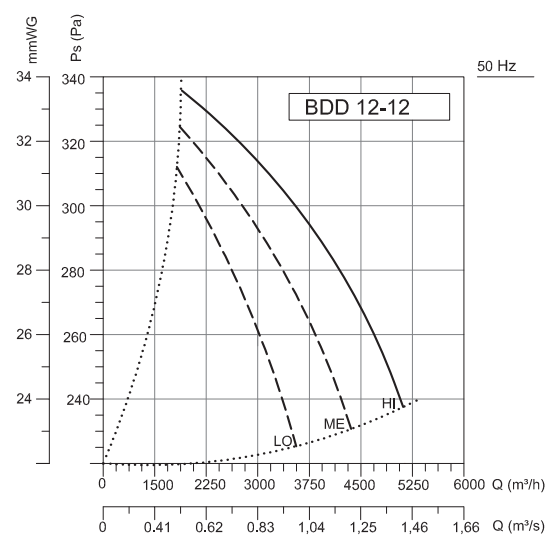
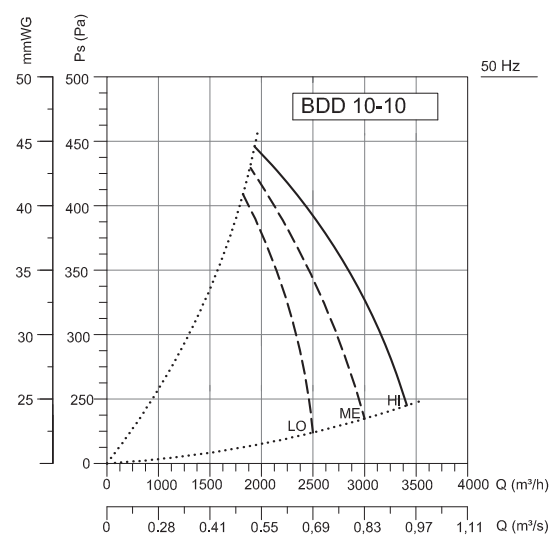
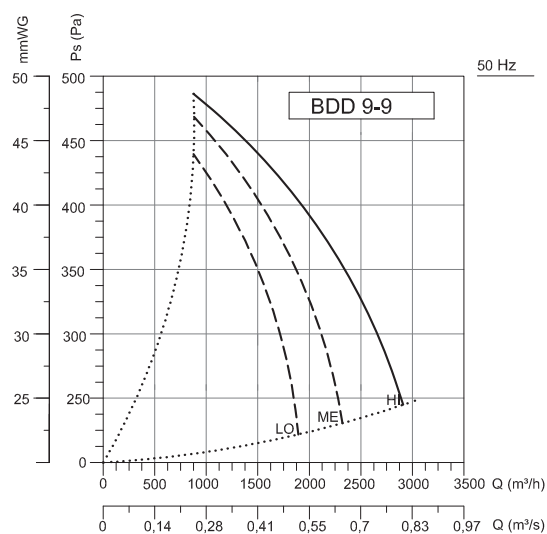
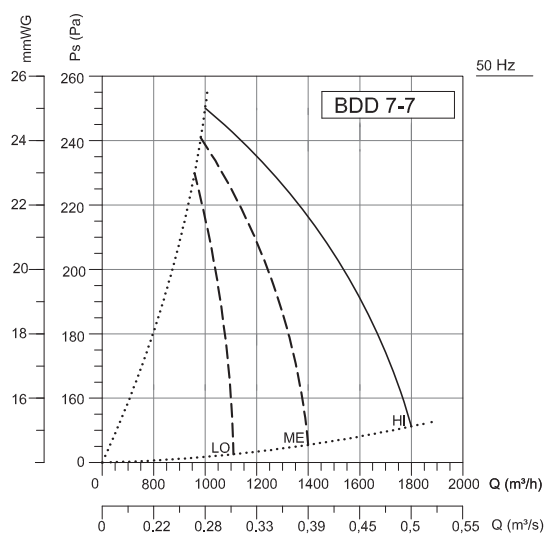


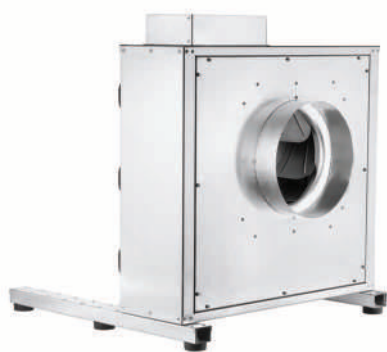
BDEB



BDH

RADIAL FANS / DOUBLE INLET RADIAL FANS





BKEF

KITCHEN EXHAUST FANS / Backward Curved

Fan Components and Material Properties

The body with heat and sound insulation is manufactured from galvanized sheet metal. The Fans are made of high quality galvanized steel that is resistant to corrosion. Asynchronous motor is used in all models. The motor is out of airflow. The device is capable of carrying air at max. 120°C.

Fan Structure

The fan blades are aerodynamically curved and provide regular flow. The fans are composed of backward sloping and infrequently arranged fins.

Benefits

Since the motor is out of airflow, it is resistant to

high temperature. The opening cover allows for effortless maintenance of the product. Water drainage feature. They work quietly thanks to isolation. Speed can be adjusted with speed control devices.

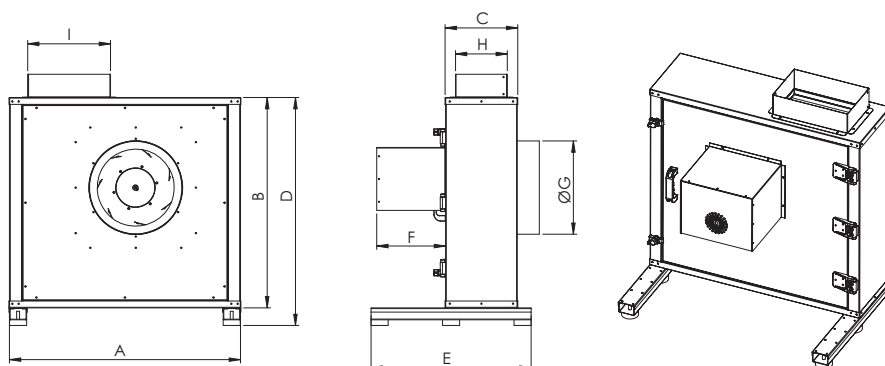
Speed Control

Optional control devices can be provided. Speed control can be done with frequency inverter in 3 ~ phase products. (see BSC-F accessory)

Usage Areas

They are used for smoke evacuation with grease trap filter in dense oily environments such as restaurant kitchens. It is able to carry air at higher temperatures due to the motor being out of airflow.

Technical Drawing and Tables



TYPE	A	B	C	D	E	F	G	H	J
BKEF 315	650	605	220	665	480	245	250	160	230
BKEF 355	730	655	230	715	480	245	280	170	260
BKEF 400	815	740	255	800	580	245	330	185	295
BKEF 450	905	810	270	870	580	245	350	210	325
BKEF 500	1005	900	335	990	635	280	400	280	355
BKEF 560	1105	1000	365	1090	715	330	455	310	455

Dimensions are in (mm)

TYPE	VOLTAGE	FREQUENCY	POWER	CURRENT	CAPACITOR	SPEED	AIR FLOW	SOUND PRESSURE	INSULATION CLASS	PROTECTION CLASS	WEIGHT
	V	Hz	kW	(A)	(µF)	r.p.m	m³/h	dB(A)	Ins.cl.	IP	kg
BKEF 315M	230	50	0,25	2,1	10	1390	1800	37-29	F	55	51
BKEF 355M	230	50	0,25	2,1	10	1390	2800	41-33	F	55	63
BKEF 400M	230	50	0,37	3,4	15	1400	4000	42-34	F	55	78
BKEF 450M	230	50	0,55	4,5	20	1410	5200	45-37	F	55	87
BKEF 500M	230	50	1,1	7,5	35	1400	8000	49-42	F	55	120
BKEF 560M	230	50	2,2	14,2	50	1430	10000	52-44	F	55	145
BKEF 315T	380	50	0,25	0,87	-	1380	1800	37-29	F	55	51
BKEF 355T	380	50	0,25	0,87	-	1380	2800	41-33	F	55	63
BKEF 400T	380	50	0,37	1,2	-	1390	4000	42-34	F	55	78
BKEF 450T	380	50	0,55	1,6	-	1365	5200	45-37	F	55	87
BKEF 500T	380	50	1,1	2,6	-	1410	8000	49-42	F	55	120
BKEF 560T	380	50	2,2	4,9	-	1420	10000	52-44	F	55	145

The sound level is measured at a distance of 4-10 m in open field condition.

Accessories



BSC-F

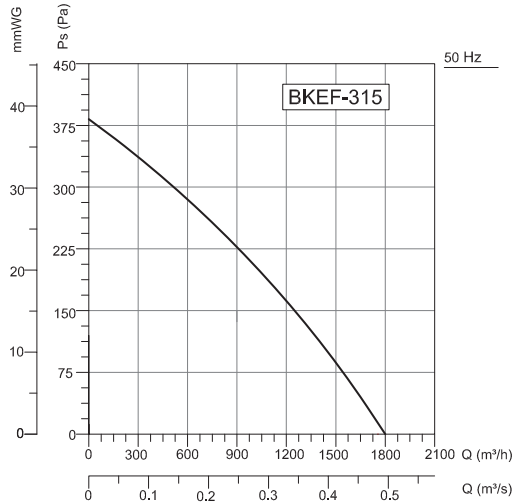
BYH

BESB

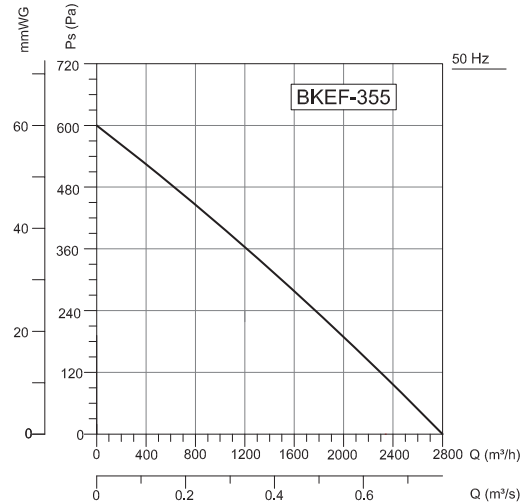
BYF

BTY

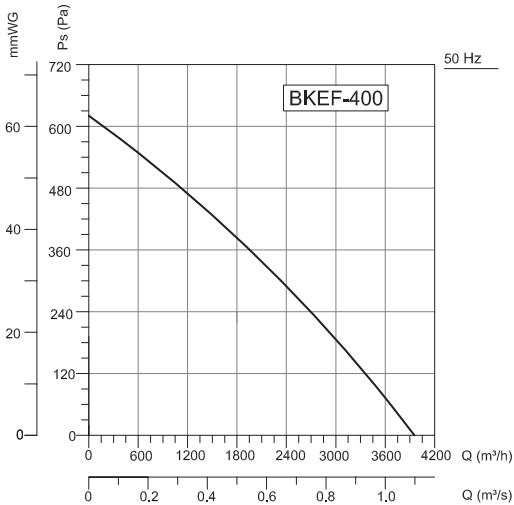
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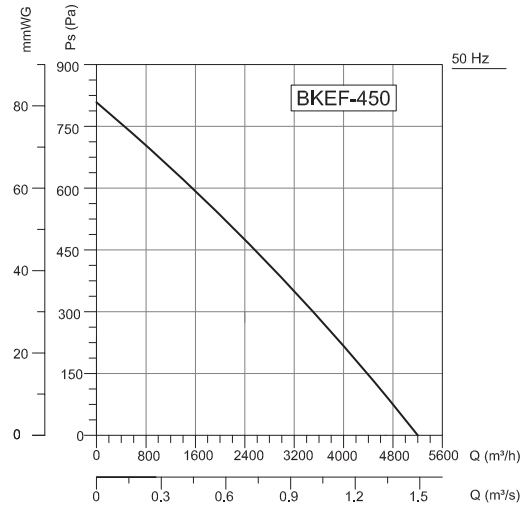
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{WA} Inlet	78	74	73	68	66	62	56	53		dB(A)
L_{WA} Outlet	80	76	75	70	67	64	58	55		dB(A)
L_{WA} Surrounding	60	56	55	50	48	44	38	35		dB(A)



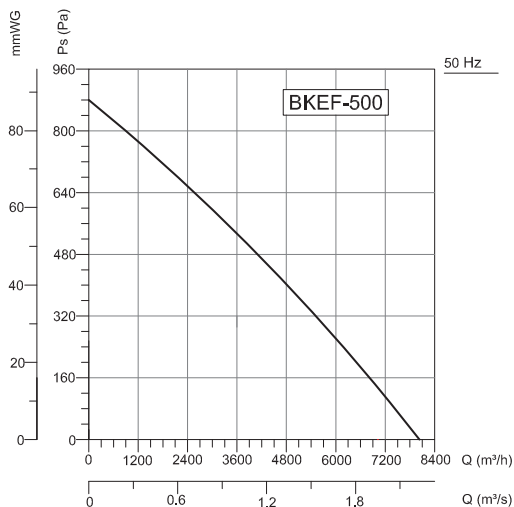
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{WA} Inlet	82	78	77	72	70	66	60	57		dB(A)
L_{WA} Outlet	84	80	79	74	72	68	62	59		dB(A)
L_{WA} Surrounding	64	60	59	54	52	48	42	39		dB(A)



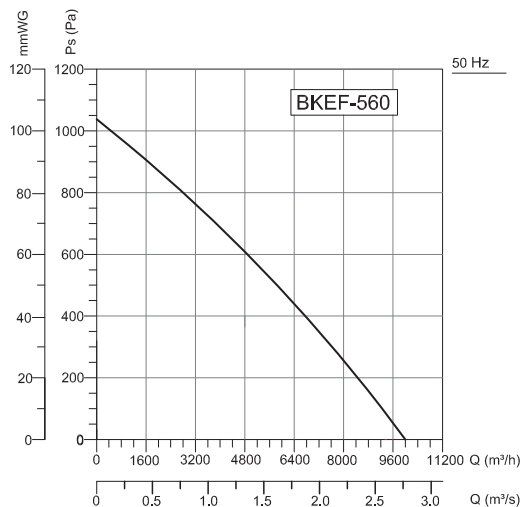
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{WA} Inlet	83	79	78	73	71	67	61	58		dB(A)
L_{WA} Outlet	85	81	80	75	73	69	63	60		dB(A)
L_{WA} Surrounding	65	61	60	55	53	49	43	40		dB(A)



Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{WA} Inlet	86	82	81	76	74	70	64	61		dB(A)
L_{WA} Outlet	88	84	83	78	76	72	66	63		dB(A)
L_{WA} Surrounding	68	64	63	58	56	52	46	43		dB(A)



Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{WA} Inlet	88	85	84	79	75	73	67	64		dB(A)
L_{WA} Outlet	91	87	86	81	79	78	69	66		dB(A)
L_{WA} Surrounding	71	67	66	61	59	55	49	46		dB(A)



Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{WA} Inlet	91	88	87	82	78	76	70	67		dB(A)
L_{WA} Outlet	94	90	89	84	82	81	72	69		dB(A)
L_{WA} Surrounding	74	70	69	64	62	58	52	49		dB(A)



BKEF-T

KITCHEN FANS / Forward Curved

Fan Components and Material Properties

The rectangular body and the impellers of the fans are made of high quality galvanized steel which is resistant to corrosion. Motor protection cover. The BKEF-T is equipped with an asynchronous motor outside the air flow. The device is capable of carrying air at max.120°C.

Fan Structure

Double-walled galvanized body and galvanized forward inclined fan impeller. The fan blades are forward-curved, combined with the plug-in technique and produced in an aerodynamic manner to ensure regular flow. It is designed to work between the rectangular channel. Opening direction interchangeable cover is available.

Benefits

Since the motor is out of airflow, it is resistant to high temperature. The swing-out lid allows the product to

be maintained effortlessly without removing the fan.

The housing with fan connection and anti-vibration mountings are included in the isolated base frame. Thanks to the aerodynamic wing structure, they work quietly. Speed can be adjusted with speed control devices. 50 mm thick mineral wool was applied for sound and heat insulation. Water drainage feature.

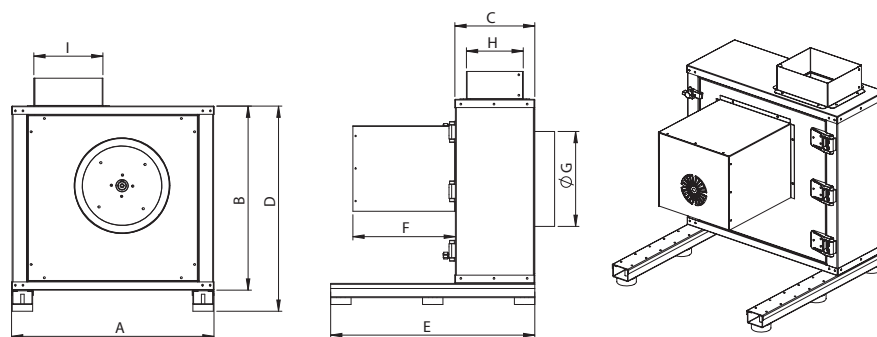
Speed Control

Optional control devices can be provided. 3 ~ phase products can be controlled with frequency inverter speed control. (see BSC-F accessory)

Usage Areas

It is able to carry air at higher temperatures due to the motor being out of airflow. It should be used with a filter in kitchens that do not contain oil particles. The kitchen can also be used for ambient air ventilation. In order to achieve long service life, fan blade cleaning should be considered.

Technical Drawing and Tables



TYPE	A	B	C	D	E	F	G	H	I
BKEF-T 200	460	415	210	475	500	240	200	145	145
BKEF-T 225	495	460	210	520	500	240	210	145	165
BKEF-T 250	535	480	230	545	550	300	250	165	180
BKEF-T 280	595	540	235	605	600	300	280	170	205
BKEF-T 315	650	600	265	660	650	340	335	188	225
BKEF-T 355	730	660	310	820	650	405	340	210	256

Dimensions are in (mm)

TYPE	VOLTAGE	FREQUENCY	POWER	CURRENT	CAPACITOR	SPEED	AIR FLOW	SOUND PRESSURE	INSULATION CLASS	PROTECTION CLASS	WEIGHT
	V	Hz	kW	(A)	(μF)	r.p.m	m³/h	dB(A)	Ins.cl.	IP	kg
BKEF-T 200M	230	50	0,55	4,5	20	1365	1750	40	F	55	40
BKEF-T 225M	230	50	0,75	4,6	30	1405	2250	42	F	55	43
BKEF-T 250M	230	50	1,5	9,3	50	1410	3500	45	F	55	52
BKEF-T 280M	230	50	1,5	9,3	50	1410	4200	48	F	55	63
BKEF-T 315M	230	50	3	19	60	1425	5000	50	F	55	78
BKEF-T 200T	380	50	0,55	1,6	-	1365	1750	40	F	55	40
BKEF-T 225T	380	50	0,75	2,1	-	1405	2250	42	F	55	43
BKEF-T 250T	380	50	1,5	3,5	-	1410	3500	45	F	55	52
BKEF-T 280T	380	50	1,5	3,5	-	1410	4200	48	F	55	63
BKEF-T 315T	380	50	3	6,9	-	1425	5000	50	F	55	78
BKEF-T 355T	380	50	3	6,9	-	960	6000	45	F	55	85

The sound level is measured at a distance of 4-10 m in open field condition.

Accessories



BSC-F

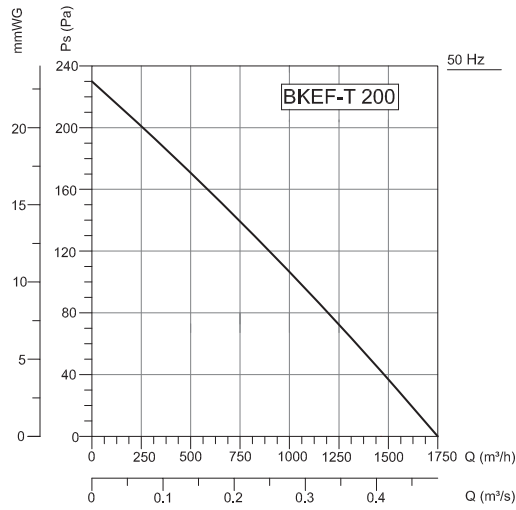
BYH

BESB

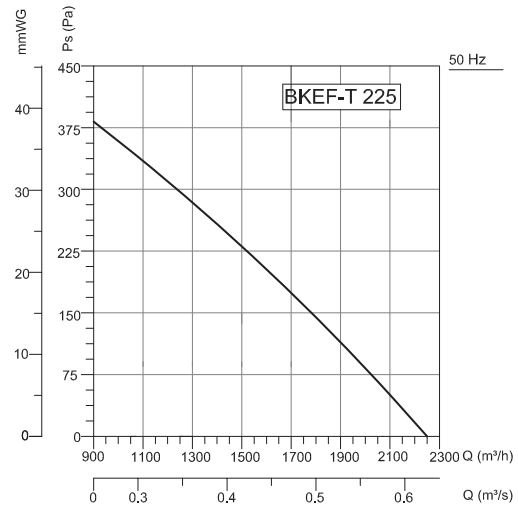
BYF

BTY

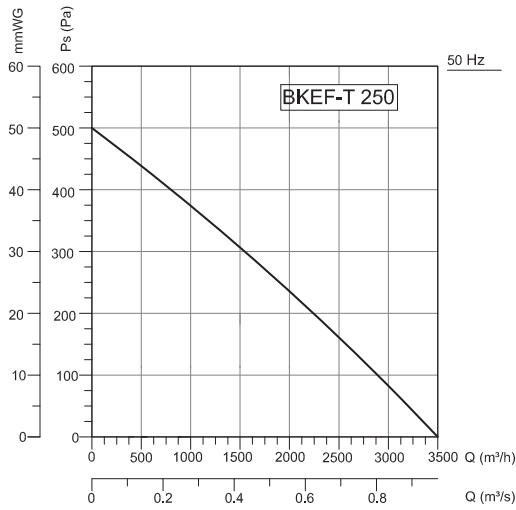
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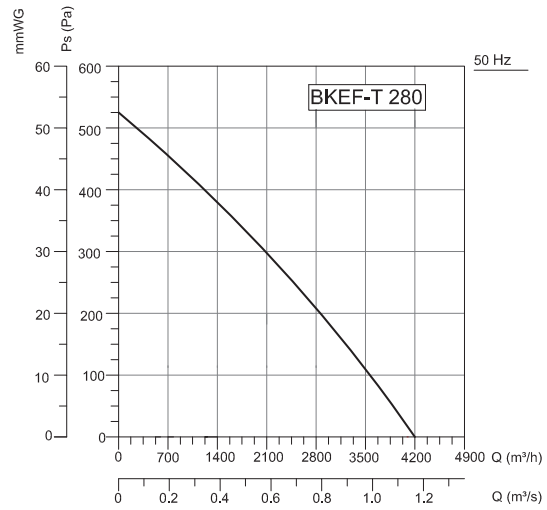
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{WA} Inlet	81	79	75	72	68	66	62	58	58	dB(A)
L_{WA} Outlet	83	81	77	74	70	68	64	60	60	dB(A)
L_{WA} Surrounding	63	61	57	54	50	48	44	40	40	dB(A)



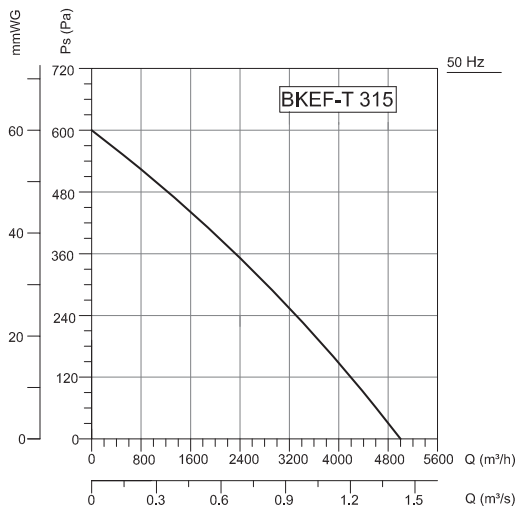
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{WA} Inlet	83	81	77	74	70	68	64	60	60	dB(A)
L_{WA} Outlet	85	83	79	76	72	70	66	62	62	dB(A)
L_{WA} Surrounding	65	63	59	56	52	50	46	42	42	dB(A)



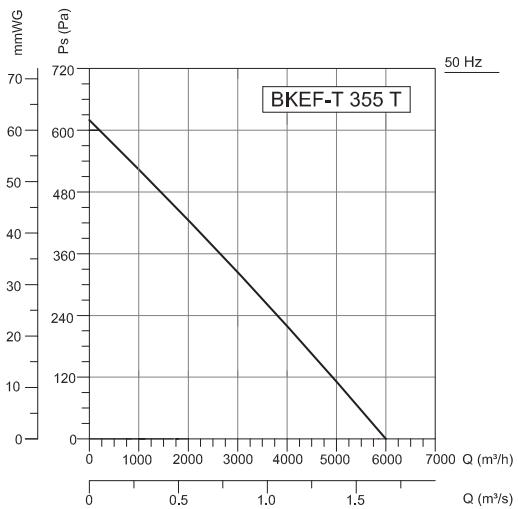
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{WA} Inlet	89	84	86	75	73	72	68	64	64	dB(A)
L_{WA} Outlet	88	86	81	80	75	74	69	64	64	dB(A)
L_{WA} Surrounding	68	65	61	60	56	54	49	45	45	dB(A)



Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{WA} Inlet	89	87	83	80	76	74	70	66	66	dB(A)
L_{WA} Outlet	91	89	85	82	78	76	72	68	68	dB(A)
L_{WA} Surrounding	71	69	65	62	58	56	52	46	46	dB(A)



Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{WA} Inlet	91	89	85	82	78	76	72	68	68	dB(A)
L_{WA} Outlet	93	91	87	84	80	78	74	70	70	dB(A)
L_{WA} Surrounding	73	71	67	64	60	58	54	48	48	dB(A)



Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{WA} Inlet	88	84	85	76	72	73	68	64	64	dB(A)
L_{WA} Outlet	87	85	80	79	74	73	68	63	63	dB(A)
L_{WA} Surrounding	68	65	61	60	56	54	49	45	45	dB(A)



BPS 140-60

PLASTIC HOUSING / Forward Curved

Fan Components and Material Properties

It has plastic injection body and corrosion resistant plastic fan. The external rotor motor is used to create a compact structure and the device is max. It is capable of carrying air at a temperature of 40°C.

Fan Structure

The forward inclined fan wheel is manufactured from corrosion-resistant plastic and aerodynamically designed to provide regular flow. Thanks to its aerodynamic wing structure, it works quietly, protection grille in fan suction. The fan is made of high quality galvanized steel resistant to corrosion.

Benefits

It works with low noise levels and is designed to be maintenance-free for long periods of time. It can be mounted at desired angle and it has circular section output. In the fan suction, there is a

protection grill in one piece with the body. BPS fans are preferred in applications where acidic or humid air is present. It is lightweight due to its plastic structure. The body has rectangular section output. Speed can be adjusted with speed control devices.

Speed Control

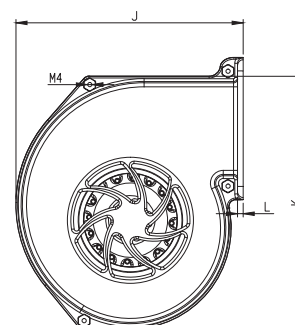
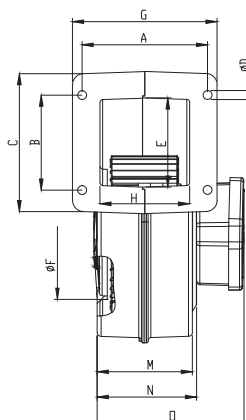
Optional control devices can be provided.

* Speed control can be done with linear voltage regulator. (see BSC accessory)

Usage Areas

BPS fans are preferred in applications where acidic or humid air is present. Due to the plastic structure of the material is light, does not bring large loads where used. Not affected by corrosive air currents.

Technical Drawing and Tables

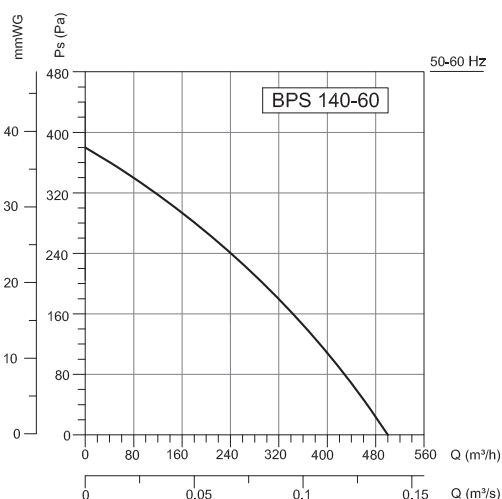


Dimensions are in (mm)

TYPE	A	B	C	D	E	F	G	H	J	K	L	M	N	O
BPS 140-60	110,5	83,5	123	6	76	110	128,5	79,5	201	225	5	85,5	90	130

TYPE	VOLTAGE	FREQUENCY	POWER	CURRENT	CAPACITOR	SPEED	AIR FLOW	SOUND PRESSURE	INSULATION CLASS	PROTECTION CLASS	WEIGHT
TYPE	V	Hz	W	(A)	(μF)	r.p.m	m³/h	dB(A)	Ins.cl.	IP	kg
BPS 140-60	230	50/60	150/200	0,66/0,87	4	2500	500	48	B	44	2,4

Sound Level Measured from 3m distance in room condition.



Accessories



BSC



BPS-B 140-60

PLASTIC HOUSING / Forward Curved

Fan Components and Material Properties

It has a plastic injection body and corrosion resistant galvanized steel fan. The external rotor motor is used to create a compact structure and the device is max. It is capable of carrying air at a temperature of 40°C.

Fan Structure

The forward sloped fan wheel is made of high quality galvanized steel which is resistant to corrosion and they are manufactured in aerodynamic structure to ensure regular flow. Thanks to its aerodynamic wing structure, it works quietly. The fan is made of high quality galvanized steel resistant to corrosion.

Benefits

It works with low noise levels and is designed to be maintenance-free for long periods of time. It can be mounted at desired angle and it has circular section output. Speed can be adjusted with speed control devices.

Speed Control

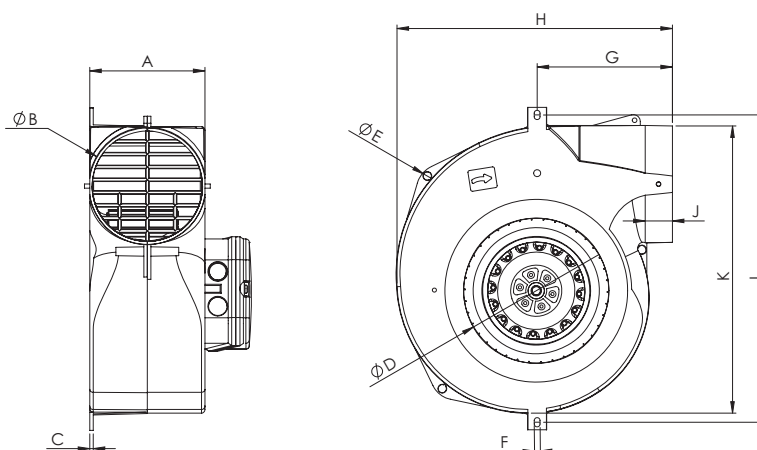
Optional control devices can be provided.

* Speed control can be done with linear voltage regulator. (see BSC accessory)

Usage Areas

Due to the plastic structure of the material is light, does not bring large loads where used. Not affected by corrosive air currents.

Technical Drawing and Tables

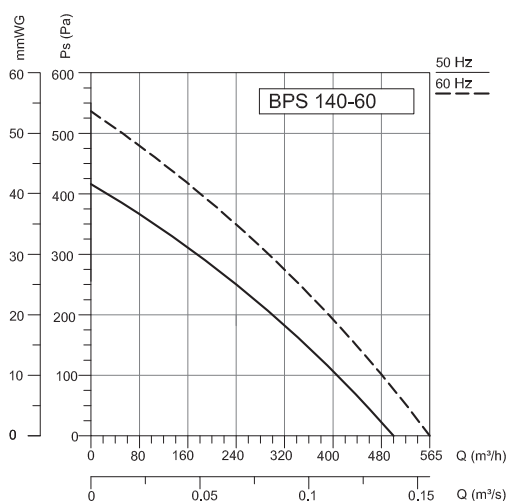


Dimensions are in (mm)

TYPE	A	B	C	D	E	F	G	H	J	K	L
BPS-B 140-60	96	100	3	126	7	5	113	239	22	246	264

TYPE	VOLTAGE	FREQUENCY	POWER	CURRENT	CAPACITOR	SPEED	AIR FLOW	SOUND PRESSURE	INSULATION CLASS	PROTECTION CLASS	WEIGHT
	V	Hz	W	(A)	(μF)	r.p.m	m³/h	dB(A)	Ins.cl.	IP	kg
BPS-B 140-60	230	50/60	110/140	049/0,63	4	2570/2900	500/565	48	B	44	2,8

Sound Level Measured from 3m distance in room condition.



Accessories



BSC



BPS-B 150-100

PLASTIC HOUSING / Double Inlet

Fan Components and Material Properties

It has a plastic injection body and corrosion resistant galvanized steel fan. The external rotor motor is used to create a compact structure and the device is max. It is capable of carrying air at a temperature of 40°C.

Fan Structure

The forward sloped fan wheel is made of high quality galvanized steel which is resistant to corrosion and they are manufactured in aerodynamic structure to ensure regular flow. Thanks to its aerodynamic wing structure, it works quietly. The fan is made of high quality galvanized steel resistant to corrosion.

Benefits

It works with low noise levels and is designed to be maintenance-free for long periods of time. It can be mounted at desired angle and it has circular section output. Speed can be adjusted with speed control devices.

Speed Control

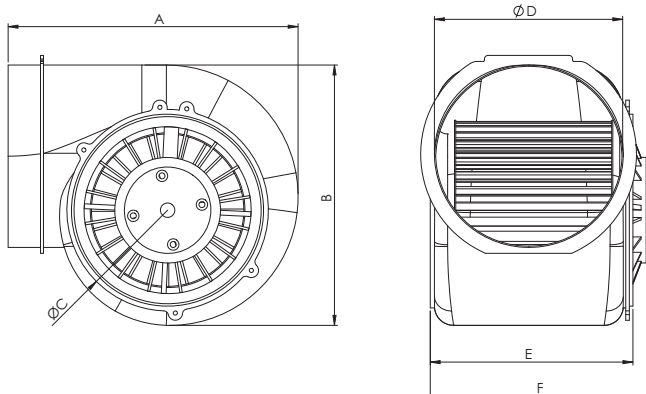
Optional control devices can be provided.

* Speed control can be done with linear voltage regulator. (see BSC accessory)

Usage Areas

Due to the plastic structure of the material is light, does not bring large loads where used. Not affected by corrosive air currents.

Technical Drawing and Tables

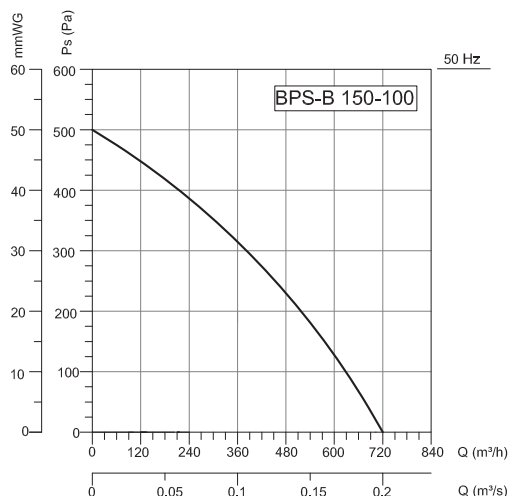


TYPE	A	B	C	D	E	F
BPS-B 150-100	241	217	156	150	165	185

Dimensions are in (mm)

TYPE	VOLTAGE	FREQUENCY	POWER	CURRENT	CAPACITOR	SPEED	AIR FLOW	SOUND PRESSURE	INSULATION CLASS	PROTECTION CLASS	WEIGHT
	V	Hz	W	(A)	(μF)	r.p.m	m³/h	dB(A)	Ins.cl.	IP	kg
BPS-B 150-100	230	50	180	0,9	6	1450	720	55	B	44	3,2

Sound Level Measured from 3m distance in room condition.



Accessories



BSC



OBR 140

SHEET METAL HOUSING / Forward Curved

Fan Components and Material Properties

Fan body is made of DKP sheet metal with electrostatic powder coating. The fans operate at high efficiency and low noise level. In centrifugal fans, higher air transfer is possible due to the fact that the motor is out of airflow. Uses asynchronous motor.

Fan Structure

Single suction, forward curved radial fan type. The fan wheel is made of high quality galvanized steel which is resistant to corrosion and is manufactured in aerodynamic structure to ensure regular flow. Thanks to its aerodynamic wing structure, it works quietly.

Benefits

It works with low noise levels and is designed to

be maintenance-free for long periods of time. Due to its frequent wing structure and efficient motor, it produces high flow rate and pressure compared to its dimensions. Provides advantages in areas where space is limited. Speed adjustable with speed control devices.

Speed Control

Optional control devices can be provided.

1~Phase products can be controlled with linear voltage regulator. (see BSC accessory)

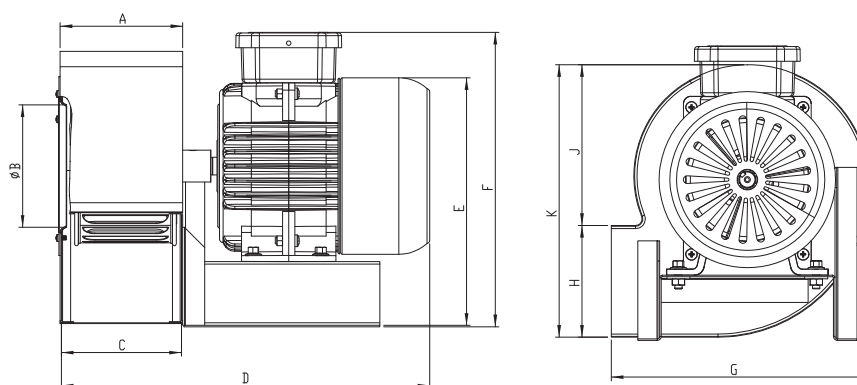
Usage Areas

Greenhouses, factories, warehouses, paint shops, shopping centers, factories, plastic and packaging machines etc. The machine is also used by machine manufacturers, except for the use of the space ventilation.

Accessories



Technical Drawing and Tables

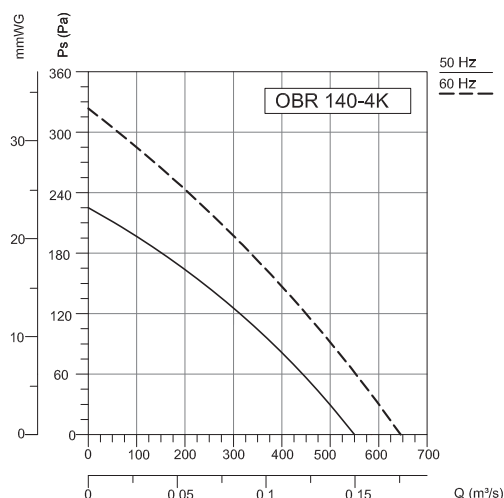
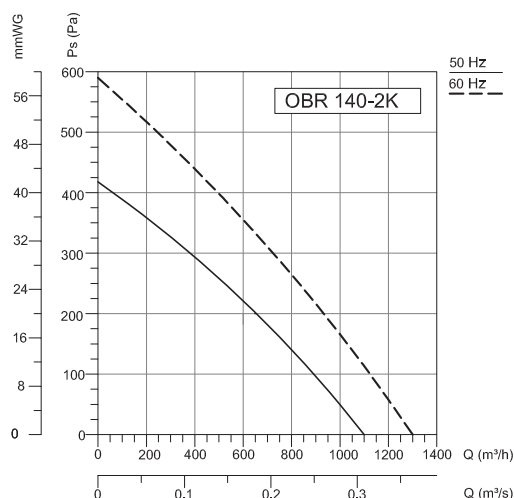


TYPE	A	B	C	D	E	F	G	H	J	K
OBR 140M	103	106	102	294	200	240	204	91	125	216

Dimensions are in (mm)

TYPE	VOLTAGE	FREQUENCY	POWER	CURRENT	CAPACITOR	SPEED	AIR FLOW	SOUND PRESSURE	INSULATION CLASS	PROTECTION CLASS	WEIGHT
	V	Hz	W	(A)	(μF)	r.p.m	m³/h	dB(A)	Ins.cl.	IP	kg
OBR 140M-2K	230	50/60	200/285	1,1/1,25	8	2930/3460	1100/1300	53	B	44	7,7
OBR 140M-4K	230	50/60	175	1,05/0,83	8	1480/1720	550/640	45	B	44	7,7

Sound Level Measured from 3m distance in room condition.





OBR 200

SHEET METAL HOUSING / Forward Curved

Fan Components and Material Properties

Fan body is made of DKP sheet metal with electrostatic powder coating. The fans operate at high efficiency and low noise level. In centrifugal fans, higher air transfer is possible due to the fact that the motor is out of airflow. Uses asynchronous motor.

Fan Structure

Single suction, forward curved radial fan type. The fan wheel is made of high quality galvanized steel which is resistant to corrosion and is manufactured in aerodynamic structure to ensure regular flow. Thanks to its aerodynamic blade structure, it works silently (200M-2K * model has aluminum cast sparse wings).

Benefits

It works with low noise levels and is designed to be maintenance-free for long periods of time. Due

to its frequent wing structure and efficient motor, it produces high flow rate and pressure compared to its dimensions. Provides advantages in areas where space is limited. Speed adjustable with speed control devices.

Speed Control

Optional control devices can be provided.

1~phase products with linear voltage regulator speed control can be done. (see BSC accessory)

3~phase products with frequency inverter speed control can be done. (see BSC-F accessory)

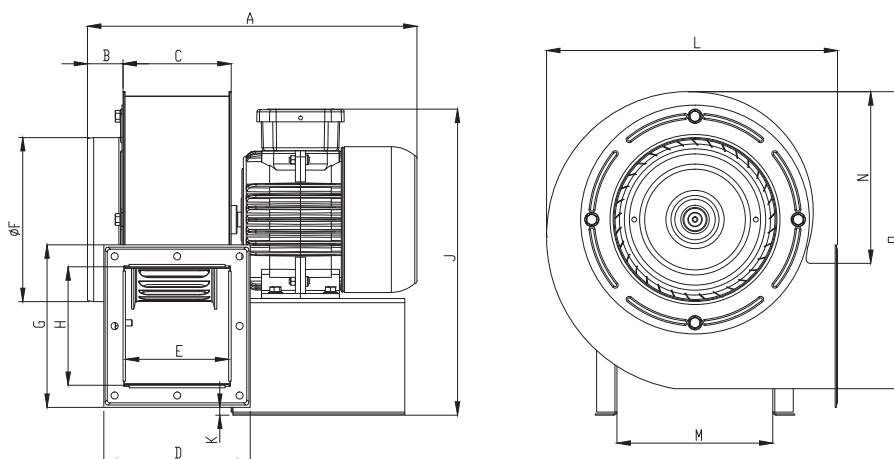
Usage Areas

Greenhouses, factories, warehouses, paint shops, shopping centers, factories, plastic and packaging machines etc. The machine is also used by machine manufacturers, except for the use of the space ventilation.

Accessories



Technical Drawing and Tables

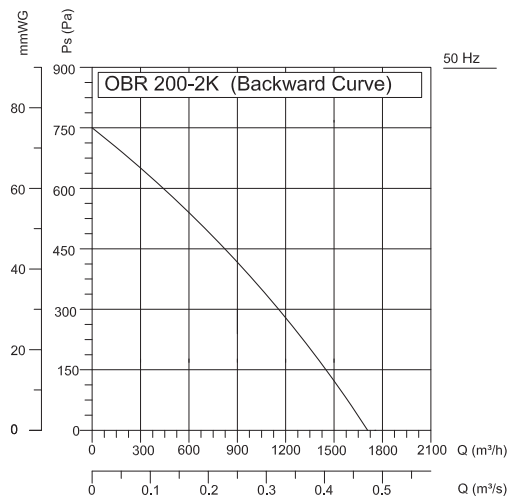
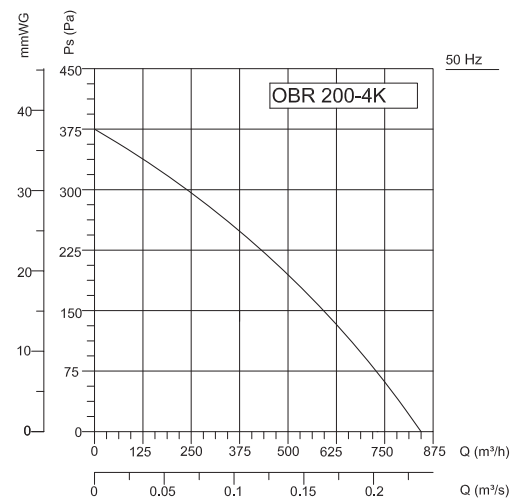
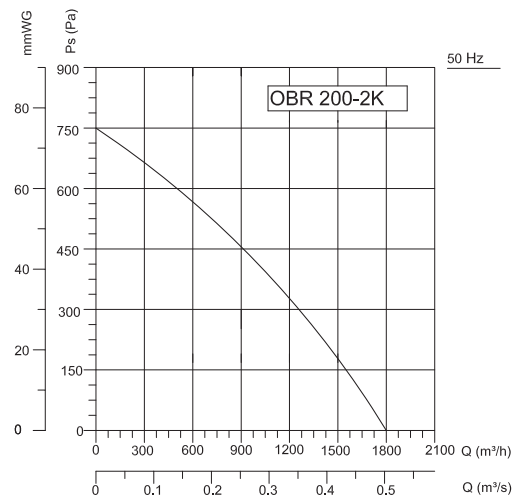


TYPE	A	B	C	D	E	F	G	H	J	K	L	M	N	O
OBR 200	322	34	109	146	102	163	161	115	310	17	288	150	170	295

Dimensions are in (mm)

TYPE	VOLTAGE	FREQUENCY	POWER	CURRENT	CAPACITOR	SPEED	AIR FLOW	SOUND PRESSURE	INSULATION CLASS	PROTECTION CLASS	WEIGHT
TYPE	V	Hz	W	(A)	(μF)	r.p.m	m³/h	dB(A)	Ins.cl.	IP	kg
OBR 200M-2K	230	50	450	2	8	2770	1800	55	B	44	9
OBR 200M-4K	230	50	190	1,1	8	1450	850	50	B	44	8,4
OBR 200M-2K*	230	50	260	1,5	8	2900	1700	55	B	44	9,3
OBR 200T-2K	380	50	140	0,7	-	2950	1800	60	B	44	8,3
OBR 200T-4K	380	50	190	0,9	-	1465	850	55	B	44	8,4

*Backward Curved Fans / The sound level is measured at a distance of 3 m in open field condition.





OBR 260

SHEET METAL HOUSING / Forward Curved

Fan Components and Material Properties

Fan body is made of DKP sheet metal with electrostatic powder coating. The fans operate at high efficiency and low noise level. In centrifugal fans, higher air transfer is possible due to the fact that the motor is out of airflow. Uses asynchronous motor.

Fan Structure

Single suction, forward curved radial fan type. The fan wheel is made of high quality galvanized steel which is resistant to corrosion and is manufactured in aerodynamic structure to ensure regular flow. Thanks to its aerodynamic wing structure, it works quietly.

Benefits

It works with low noise levels and is designed to be maintenance-free for long periods of time. Due to its frequent wing structure and efficient motor,

it produces high flow rate and pressure compared to its dimensions. Provides advantages in areas where space is limited. Speed adjustable with speed control devices.

Speed Control

Optional control devices can be provided.

1~phase products with linear voltage regulator speed control can be done. (see BSC accessory)

3~phase products with frequency inverter speed control can be done. (see BSC-F accessory)

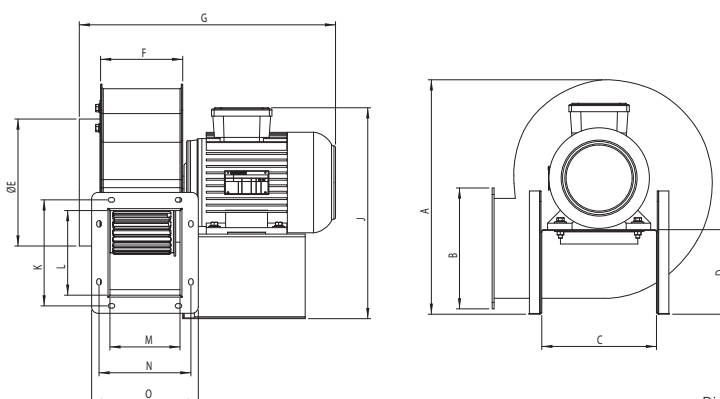
Usage Areas

Greenhouses, factories, warehouses, paint shops, shopping centers, factories, plastic and packaging machines, olive screening machines, hot and dusty air circulation etc. The machine is also used by machine manufacturers, except for the use of the space ventilation.

Accessories



Technical Drawing and Tables

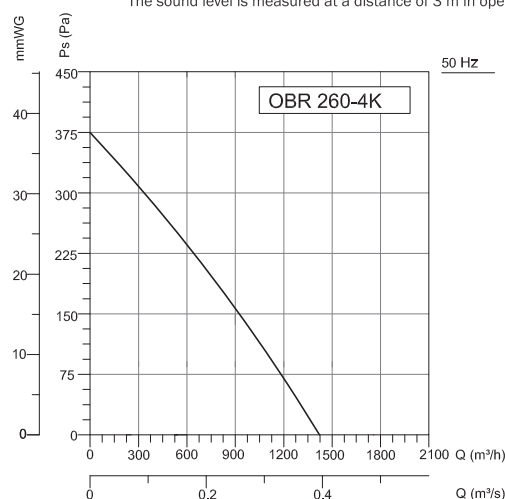
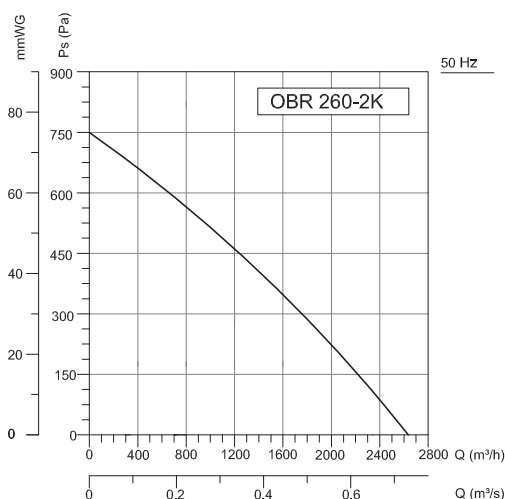


Dimensions are in (mm)

TYPE	A	B	C	D	E	F	G	J	K	L	M	N	O
OBR 260	361	194	155	119	197	128	405	327	162	137	115	140	163

TYPE	VOLTAGE	FREQUENCY	POWER	CURRENT	CAPACITOR	SPEED	AIR FLOW	SOUND PRESSURE	INSULATION CLASS	PROTECTION CLASS	WEIGHT
TYPE	V	Hz	kW	(A)	(μF)	r.p.m	m ³ /h	dB(A)	Ins.cl.	IP	kg
OBR 260M-2K	230	50	1,5	9,8	40	2820	2700	72	F	55	9,5
OBR 260M-4K	230	50	0,25	2,1	10	1380	1450	66	F	55	12,8
OBR 260T-2K	380	50	1,5	3,3	-	2820	2700	72	F	55	11,2
OBR 260T-4K	380	50	0,25	0,81	-	1380	1450	66	F	55	9,8

The sound level is measured at a distance of 3 m in open field condition.





BDRAS

ALUMINIUM HOUSING / Forward Curved

Fan Components and Material Properties

BDRAS centrifugal fans have low noise level, high pressure properties. They save space thanks to their compact structure. The body is made of die-cast aluminum and is resistant to corrosion and corrosion. The motor and fan impeller are connected to the main body by steel carriers. The device is capable of handling air at max.40°C.

Fan Structure

The forward inclined fan wheel is made of high-quality galvanized steel that is resistant to corrosion and is manufactured in an aerodynamic manner to ensure regular flow. Thanks to its aerodynamic wing structure, it works quietly.

Benefits

It works with low noise levels and is designed to be maintenance-free for long periods of time. Because of both suction and shooting capability, it

is possible to dispose of the polluted air in the environment and fresh air to the environment. Can be installed in the desired pain. Speed can be adjusted with speed control devices. There is a protection grid in the fan suction and has a rigid body caused by the Aluminium die-cast body.

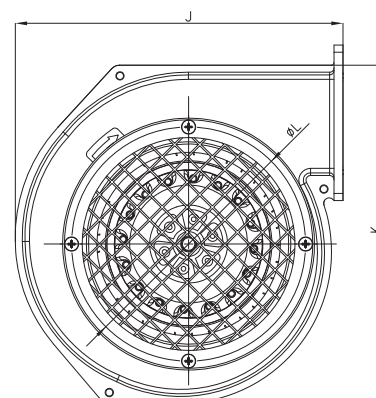
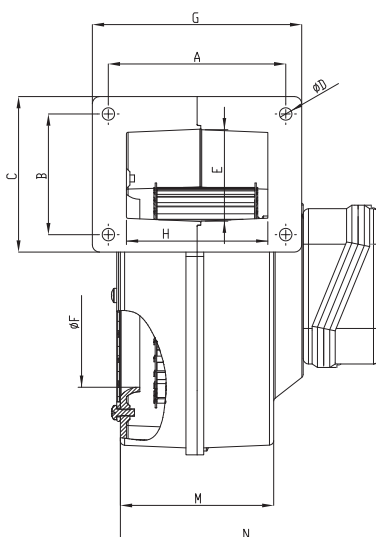
Speed Control

Optional control devices can be provided. * Speed control can be done with linear voltage regulator. (see BSC accessory)

Usage Areas

BDRAS series fans are mainly used in industrial and commercial areas; In general, it is used in local cooling applications and heating systems. It is preferred when the advantages of the aluminum rigid body such as cooling of machines, air supply in solid fuel boilers, yacht air conditioners and electrical panels can be used.

Technical Drawing and Tables

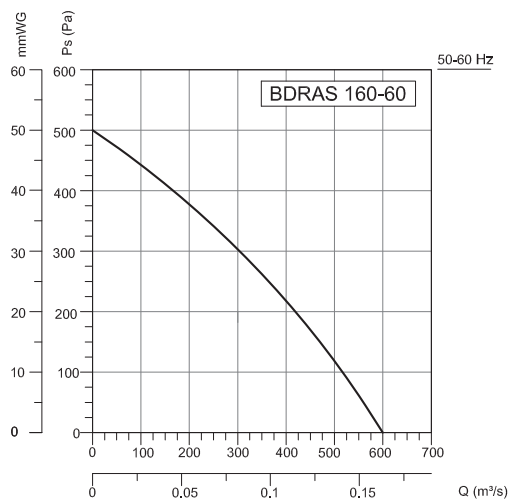
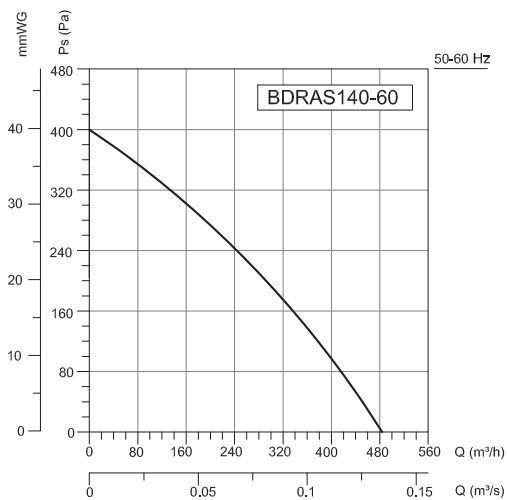
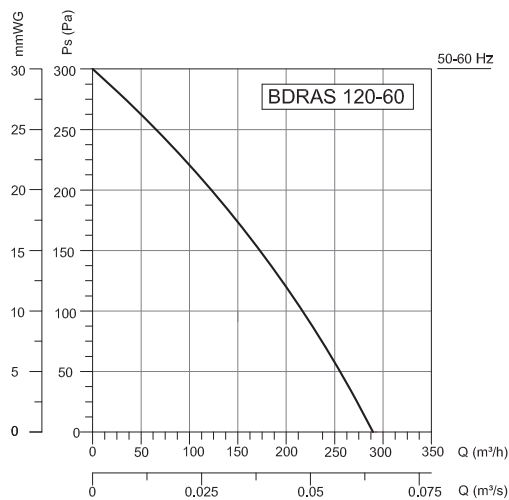
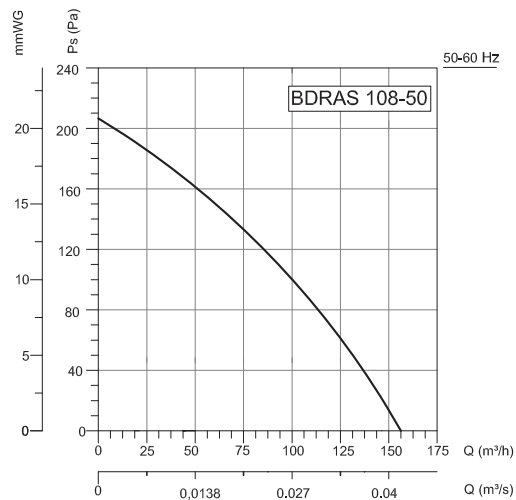
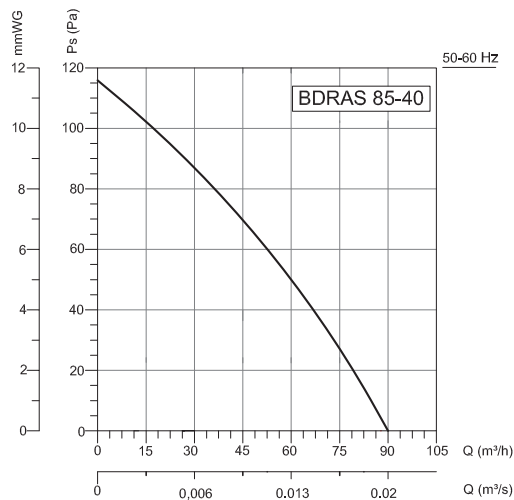


TYPE	A	B	C	D	E	F	G	H	J	K	L	M	N
BDRAS 85-40	66	58	70	5,5	42	63	76	56	117,5	127,5	84	80	120
BDRAS 108-50	96,5	65	85	7	50	87	115	76	159	183	118	82	122
BDRAS 120-60	99	67,5	88	7	49	103,5	118,5	80	190	184	122	87	145
BDRAS 140-60	123	84	122	7	78	110	154	79	197	203	147	100	151
BDRAS 160-60	114	105	123	7	90	117,5	130	93,5	229	248	164	100	135

Dimensions are in (mm)

TYPE	VOLTAGE	FREQUENCY	POWER	CURRENT	CAPACITOR	SPEED	AIR FLOW	SOUND PRESSURE	INSULATION CLASS	PROTECTION CLASS	WEIGHT
	V	Hz	W	(A)	(μF)	r.p.m	m³/h	dB(A)	Ins.cl.	IP	kg
BDRAS 85-40	230	50/60	30	0,13	1	2500	90	40	B	44	1,2
BDRAS 108-50	230	50/60	40	0,19	1,5	1900	155	42	B	44	1,7
BDRAS 120-60	230	50/60	85/105	0,38/0,46	2,5	2400	290	45	B	44	2,8
BDRAS 140-60	230	50/60	138/175	0,61/0,77	4	2300	485	47	B	44	3,4
BDRAS 160-60	230	50/60	200/255	0,88/1,12	6	2250	600	50	B	44	4,3

Sound Level Measured from 3m distance in room condition.

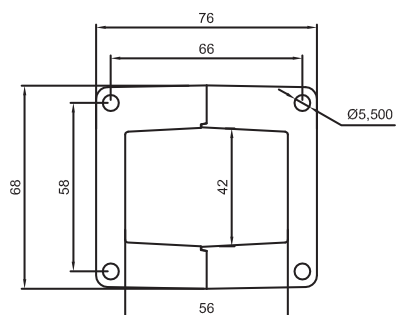


Accessories

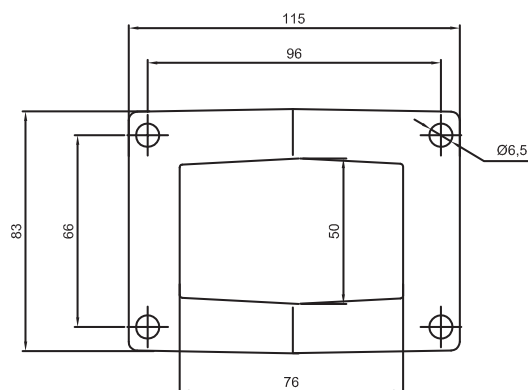


BSC

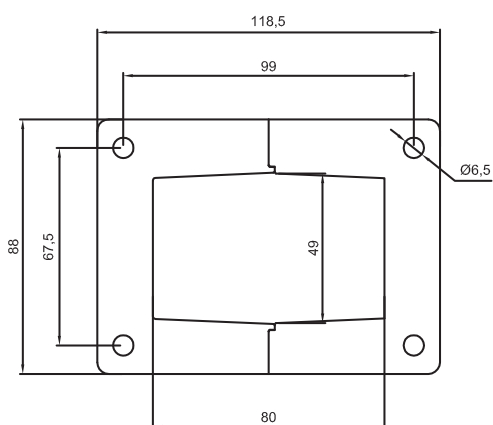
BDRAS FLANGE TYPES



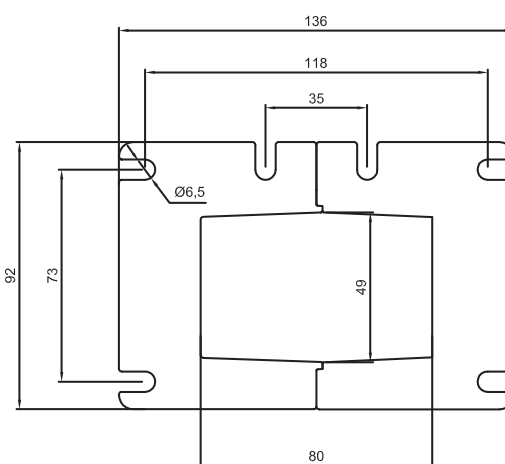
BDRAS 85-40



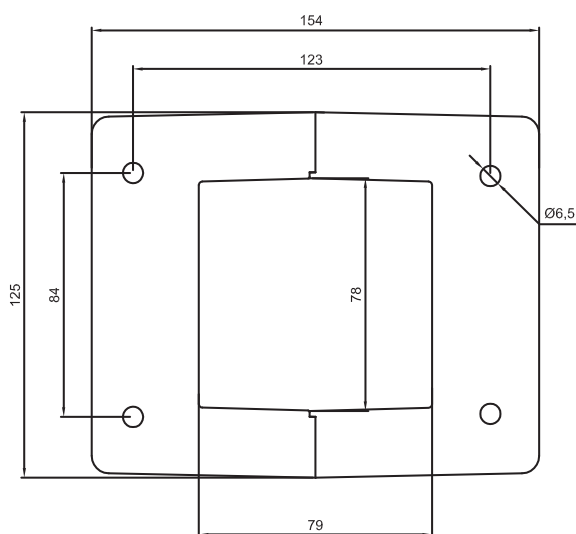
BDRAS 108-50



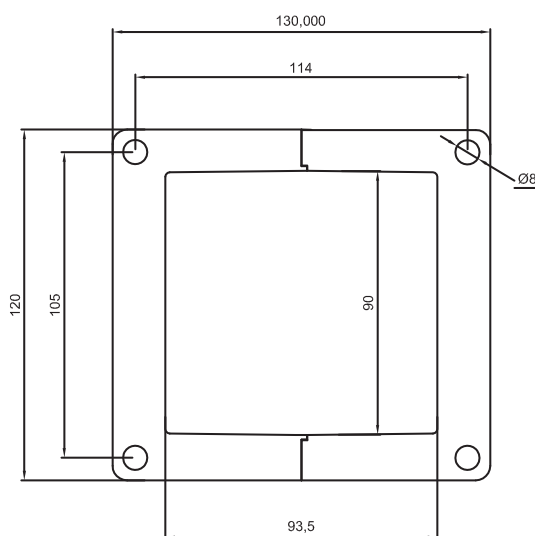
BDRAS 120-60



BDRAS 120-60



BDRAS 140-60



BDRAS 160-60



BDRS

SHEET METAL HOUSING / Forward Curved

Fan Components and Material Properties

Body and hat are made of electrostatic powder coated sheet metal. The protective wire cage is made of electrostatic powder coated steel. The motor and fan impeller are connected to the main body by steel carriers. The device is capable of handling air at max.40°C.

Fan Structure

The wings made of galvanized and manufactured in aerodynamic structure to provide airfoil and regular flow. Thanks to its aerodynamic wing structure, it works quietly.

Benefits

It works with low noise levels and is designed to be maintenance-free for long periods of time. Because of both suction and shooting capability, it is possible to dispose of the polluted air in the environment and fresh air to the environment. Can be installed in the desired pain. Speed can be adjusted with speed control devices.

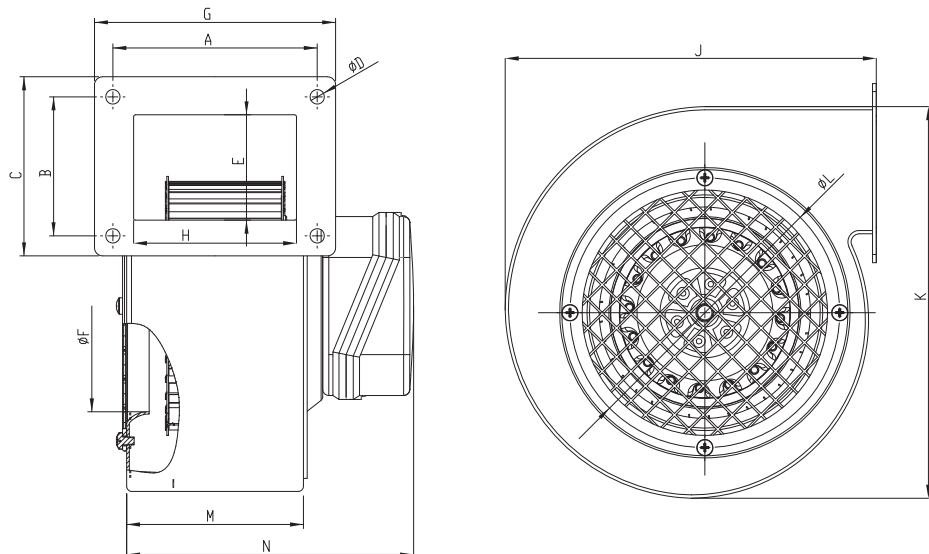
Speed Control

Optional control devices can be provided. With 1~phase products, speed control can be done with linear voltage regulator. (see BSC accessory) 3~phase products can be controlled by frequency inverter (see BSC-F accessory).

Usage Areas

BDRS centrifugal fans have low noise level, high pressure properties. They save space thanks to their compact structure. It is lightweight and easy to assemble. It is resistant to corrosion by its electrostatic painted outer body. It is installed in solid fuel boilers and transmits the fresh air required for combustion to the combustion chamber.

Technical Drawing and Tables



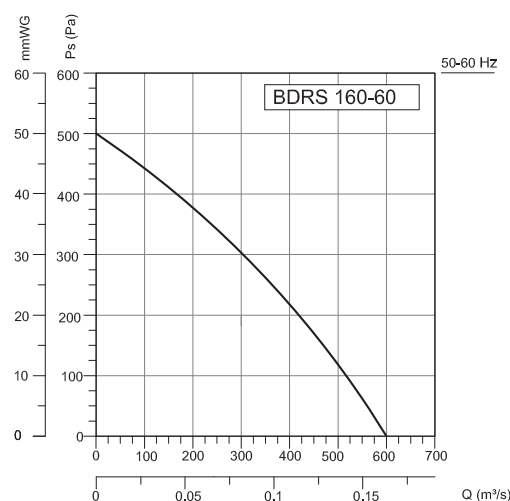
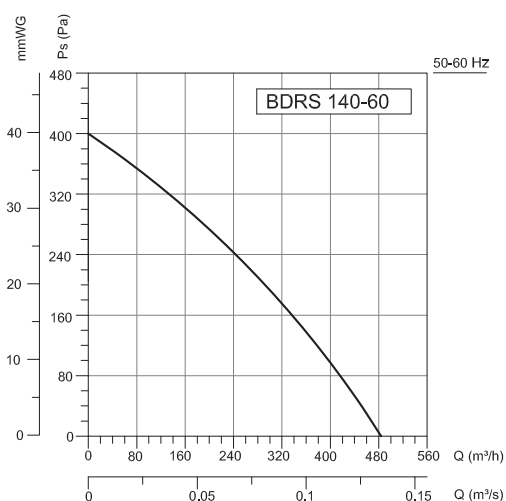
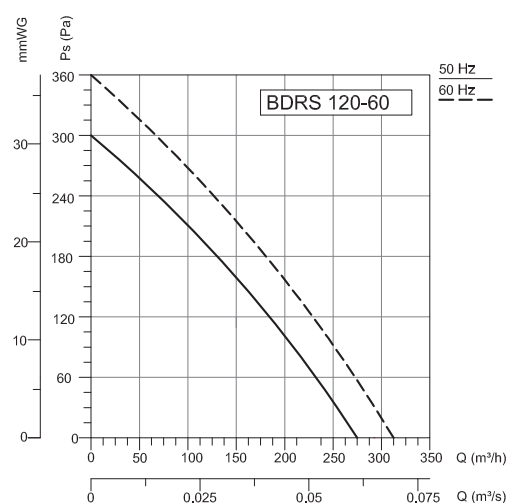
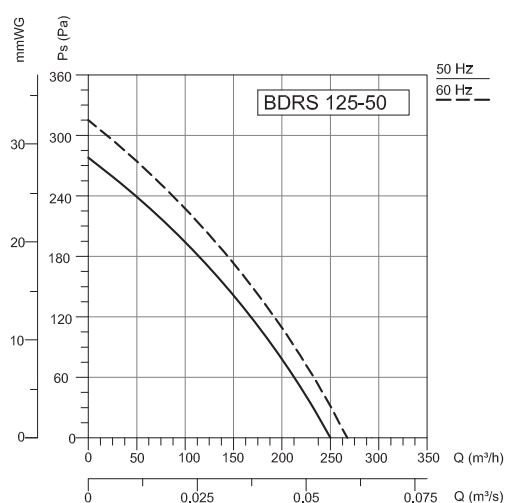
TYPE	A	B	C	D	E	F	G	H	J	K	L	M	N
BDRS 125-50	77	72	88	5	62	98	86	66	170	180	128	68	142
BDRS 120-60	98,5	68,5	100	5	68,5	97,5	115,5	81	173	183	133	86	145
BDRS 140-60	112	112	129,3	5	91,5	112	129	83,5	206	216	151	91	148
BDRS 160-60	112	112	129,3	5	92,5	130	129	84	270	260	165	93	152

Dimensions are in (mm)

RADIAL FANS / SINGLE INLET RADIAL FANS

TYPE	VOLTAGE	FREQUENCY	POWER	CURRENT	CAPACITOR	SPEED	AIR FLOW	SOUND PRESSURE	INSULATION CLASS	PROTECTION CLASS	WEIGHT
	V	Hz	W	(A)	(μ F)	r.p.m	m ³ /h	dB(A)	Ins.cl.	IP	kg
BDRS 125-50	230	50/60	80/100	0,35/0,44	2,5	2450/2600	250/265	42	B	44	2,3
BDRS 120-60	230	50/60	85/105	0,38/0,46	2,5	2250/2550	275/310	46	B	44	2,5
BDRS 140-60	230	50/60	138/175	0,61/0,77	4	2300	485	48	B	44	3,2
BDRS 160-60	230	50/60	200/255	0,88/1,12	6	2250	600	52	B	44	4,3

Sound Level Measured from 3m distance in room condition.



Accessories



BSC



BFC

FANCOIL / Forward Curved

Fan Components and Material Properties

BFC double suction crossflow fans operate at high efficiency and low noise level. Manufactured from high quality galvanized steel resistant to corrosion. The motor and fan impeller are connected to the main body by aluminum carriers. The external rotor motor is used to create a compact structure and the device is max. It is capable of carrying air at a temperature of 40°C.

Fan Structure

The forward sloped fan wheel is made of high quality galvanized steel which is resistant to corrosion and they are manufactured in aerodynamic structure to ensure regular flow. Thanks to its aerodynamic wing structure, it works quietly.

Benefits

It works with low noise levels and is designed to be maintenance-free for long periods of time. It offers space saving according to its capacity. Due to its frequent wing structure and efficient motor, it produces high flow rate and pressure compared to its dimensions. Provides advantages in areas where space is limited. Speed can be adjusted with speed control devices.

Speed Control

Optional control devices can be provided.

* Speed control can be done with linear voltage regulator. (see BSC accessory)

Usage Areas

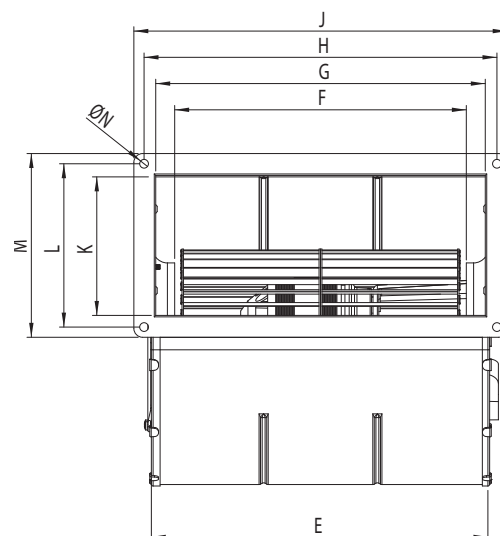
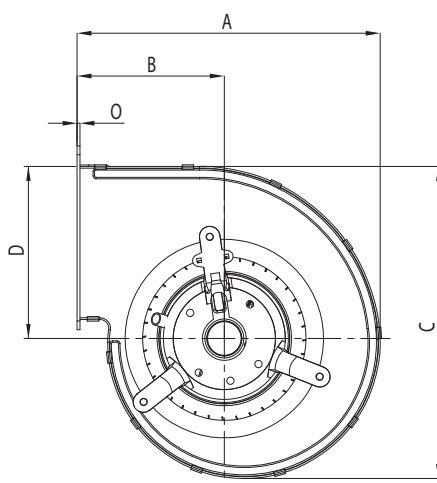
Fancoil devices, local cooling applications, low noise where desired and air conditioning devices are used for air circulation.

Accessories



BSC

Technical Drawing and Tables

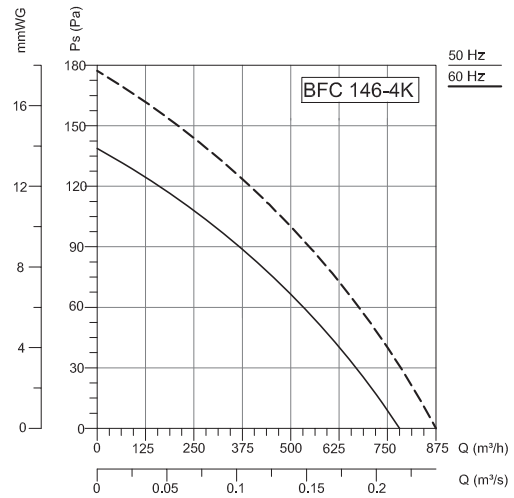
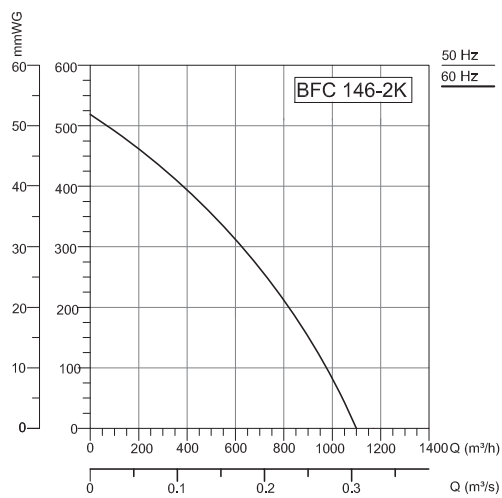
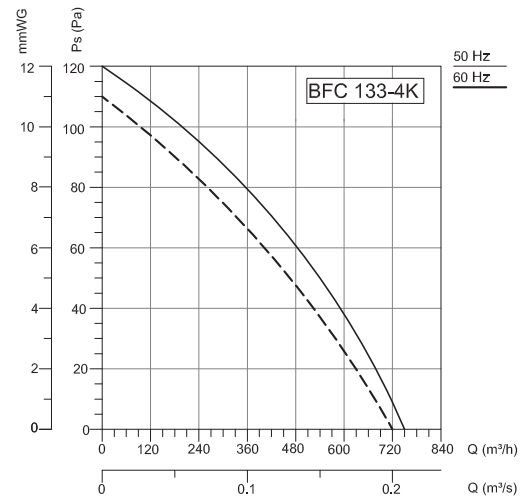
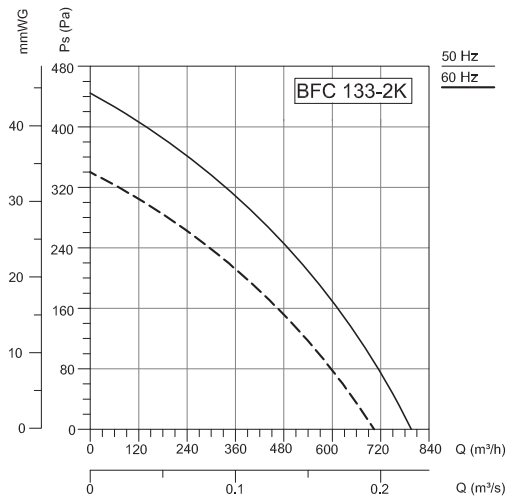


TYPE	A	B	C	D	E	F	G	H	J	K	L	M	N	O
BFC 133-146	208	101	214	118	231	200	226	242	256	95	112	126	06	2

Dimensions are in (mm)

TYPE	VOLTAGE	FREQUENCY	POWER	CURRENT	CAPACITOR	SPEED	AIR FLOW	SOUND PRESSURE	INSULATION CLASS	PROTECTION CLASS	WEIGHT
	V	Hz	W	(A)	(μF)	r.p.m	m ³ /h	dB(A)	Ins.cl.	IP	kg
BFC 133-2K	230	50/60	200/210	0,95/1	4	1300/1150	810/715	56	B	44	4,7
BFC 133-4K	230	50/60	95/110	0,42/0,49	3	1200/1150	750/720	55	B	44	4,7
BFC 146-2K	230	50/60	300/355	1,3/1,45	7	2000	1100	63	B	44	5
BFC 146-4K	230	50/60	95/115	0,42/0,50	3	1000/1130	775/875	62	B	44	5

Sound Level Measured from 3m distance in room condition.





BDKF

RECTANGULAR DUCT FANS / Backward Curved

Fan Components and Material Properties

Rectangular body is manufactured from galvanized steel sheet. The Fans are made of high quality galvanized steel which is resistant to corrosion. All models have an external rotor motor with a closed structure and have air transport at max.40°C.

Fan Structure

It is designed to work between the rectangular channel. The fan blades are aerodynamically curved and provide regular flow. The fans are composed of backward sloping and infrequently arranged fins.

Benefits

The swing-out lid allows the product to be maintained effortlessly without removing the fan.

Thanks to the aerodynamic wing structure, they work quietly. Speed can be adjusted with speed control devices.

Speed Control

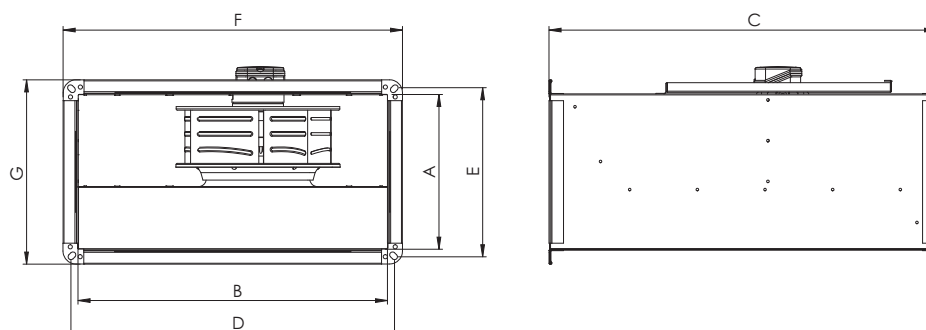
Optional control devices can be provided. Speed control can be done with linear voltage regulator in 1 ~ phase products (see BSC accessory).

Speed control with frequency inverter can be done in 3 ~ phase products (see BSC-F accessory)

Usage Areas

It is designed to meet medium and high volume ventilation requirements in rectangular duct systems where the application area is limited.

Technical Drawing and Tables

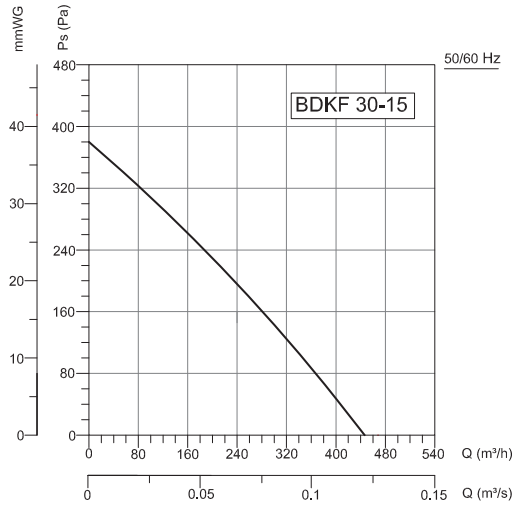


TYPE	A	B	C	D	E	F	G
BDKF 30-15	150	300	400	320	170	350	200
BDKF 40-20A	200	400	500	420	220	450	250
BDKF 40-20B	200	400	500	420	220	450	250
BDKF 50-25	250	500	565	520	270	550	300
BDKF 60-30	300	600	750	620	320	660	360
BDKF 60-35A	350	600	750	620	370	660	410
BDKF 60-35B	350	600	750	620	370	660	410
BDKF 70-40A	400	700	800	720	420	770	470
BDKF 70-40B	400	700	800	720	420	770	470
BDKF 80-50	500	800	920	820	520	870	570
BDKF 100-50	500	1000	1050	1030	530	1070	570

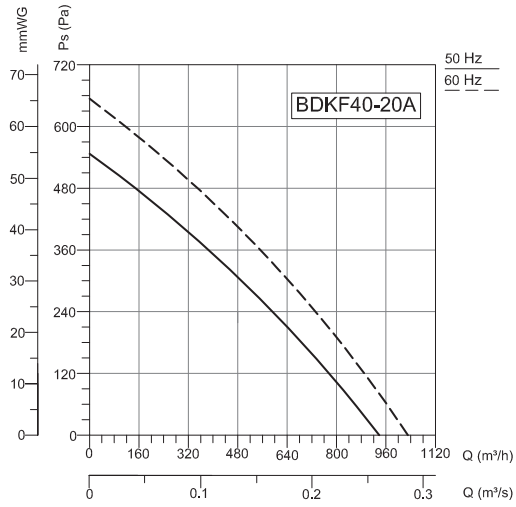
Dimensions are in (mm)

TYPE	VOLTAGE	FREQUENCY	POWER	CURRENT	CAPACITOR	SPEED	AIR FLOW	SOUND PRESSURE	INSULATION CLASS	PROTECTION CLASS	WEIGHT
	V	Hz	W	(A)	(μF)	r.p.m	m³/h	dB(A)	Ins.cl.	IP	kg
BDKF 30-15	230	50/60	75/95	0,37/0,47	2,5	2450	450	43	B	44	7
BDKF 40-20A	230	50/60	100/135	0,49/0,68	4	2650/2870	950/1030	48	B	44	10,5
BDKF 40-20B	230	50/60	130/180	0,64/0,9	5	2650	1150	54	B	44	11
BDKF 50-25	230	50/60	180/240	0,82/1,17	6	2600/2750	1610/1700	58	B	44	15
BDKF 60-30	230	50/60	130/155	0,71	3	1400/1650	1850/2180	50	F	44	29
BDKF 60-35A	230	50/60	130/155	0,7	3	1425/1650	2500/2895	53	F	44	31
BDKF 60-35B	230	50/60	200/270	1/1,4	8	1400/1680	3300/3900	58	F	44	32
BDKF 70-40A	230	50/60	310/440	1,55/2,2	10	1350/1550	4000/4600	56	F	44	44
BDKF 70-40B	230	50/60	500/775	2,5/3,7	10	1350/1450	5400/5800	58	F	44	46
BDKF 80-50	400 Δ	50	1150	2,25	-	1400	7550	64	F	54	66
BDKF 100-50	400Δ	50	1900	3,4	-	1300	9600	66	F	54	84

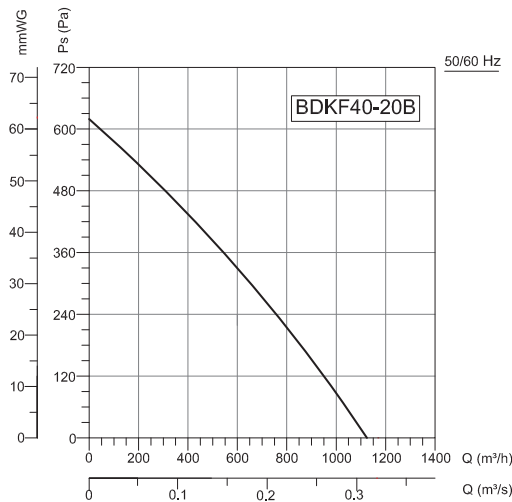
Sound Level Measured from 3m distance in room condition.



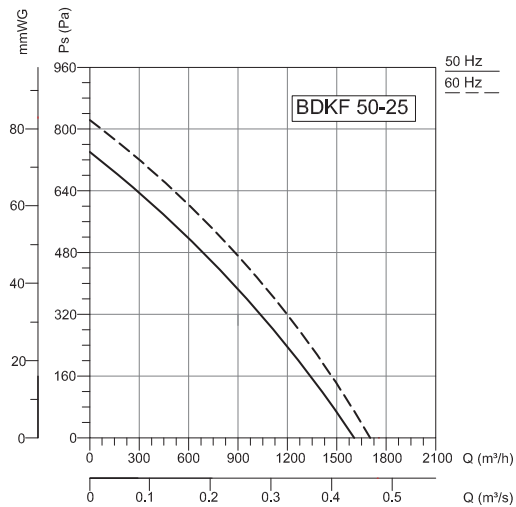
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{WA} Inlet	66	44	56	64	56	55	53	47	38	dB(A)
L_{WA} Outlet	69	48	53	66	63	61	58	51	43	dB(A)
L_{WA} Surrounding	50	26	33	47	44	42	41	35	27	dB(A)



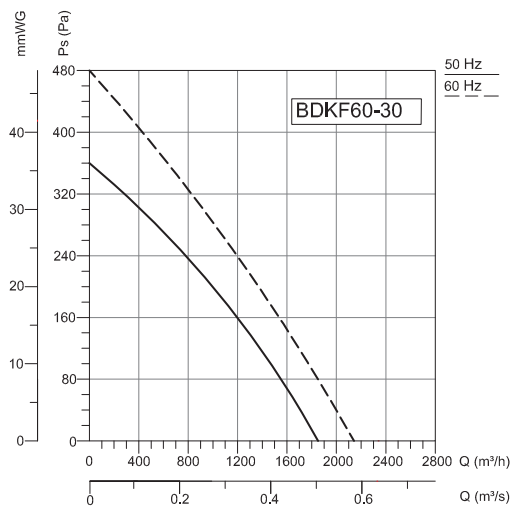
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{WA} Inlet	69	44	54	66	58	61	59	55	47	dB(A)
L_{WA} Outlet	72	44	53	67	64	63	66	61	58	dB(A)
L_{WA} Surrounding	55	20	34	53	45	44	44	38	35	dB(A)



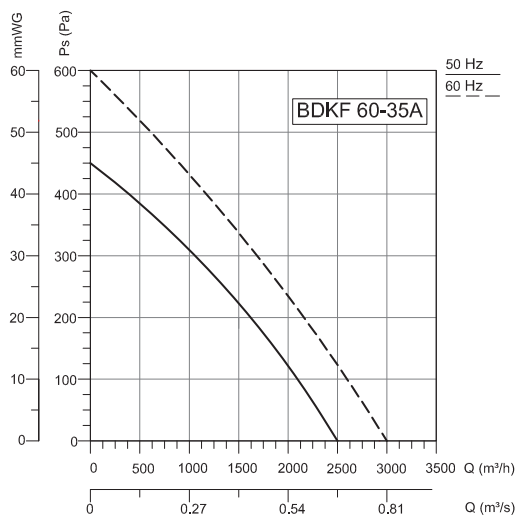
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{WA} Inlet	74	50	61	69	63	67	65	63	60	dB(A)
L_{WA} Outlet	78	51	61	70	69	70	73	67	69	dB(A)
L_{WA} Surrounding	61	31	35	55	54	54	55	47	45	dB(A)



Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{WA} Inlet	74	50	61	67	65	68	66	63	60	dB(A)
L_{WA} Outlet	78	51	61	69	71	71	73	67	70	dB(A)
L_{WA} Surrounding	65	33	40	59	57	59	58	50	47	dB(A)

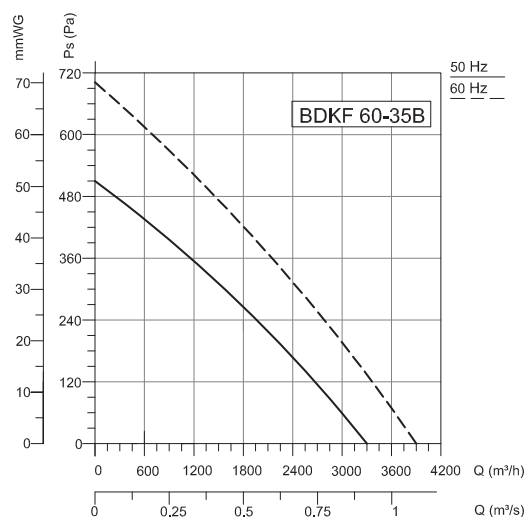


Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{WA} Inlet	69	50	62	64	61	62	57	52	44	dB(A)
L_{WA} Outlet	72	49	60	65	68	65	63	58	46	dB(A)
L_{WA} Surrounding	57	35	47	54	52	47	44	39	32	dB(A)

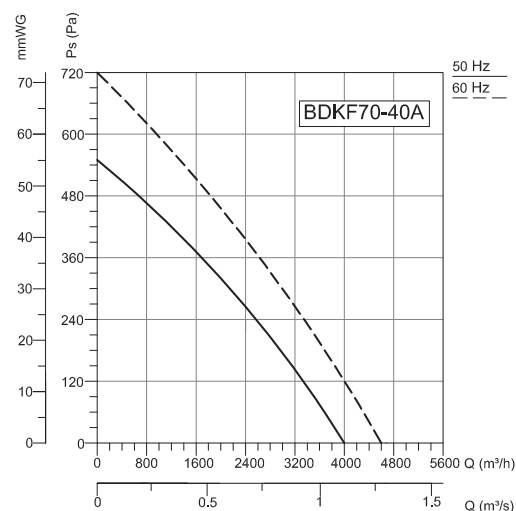


Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{WA} Inlet	70	50	65	61	63	60	61	56	48	dB(A)
L_{WA} Outlet	76	54	72	68	69	68	67	62	54	dB(A)
L_{WA} Surrounding	60	27	57	53	50	49	48	49	37	dB(A)

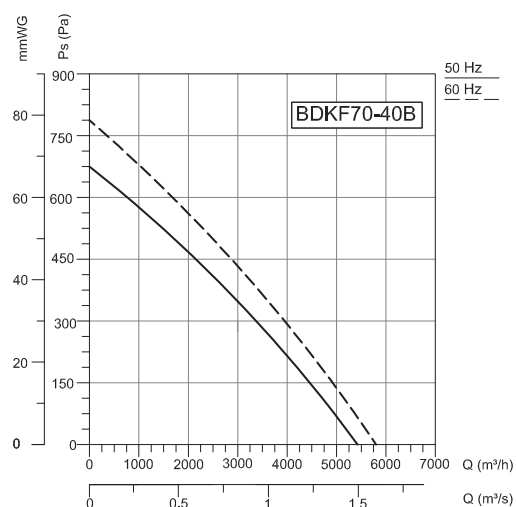
DUCT FANS / RECTANGULAR AND SQUARE DUCT FANS



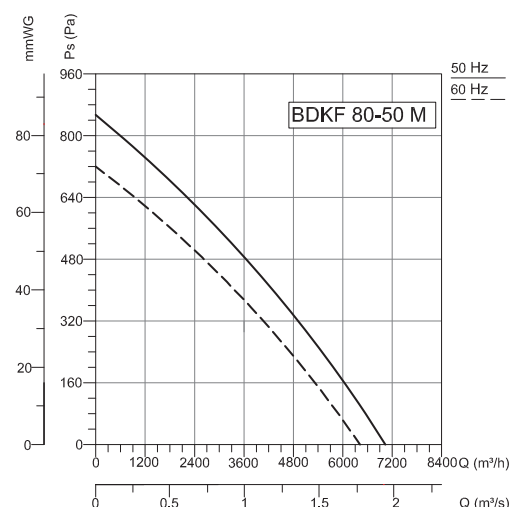
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{WA} Inlet	75	60	70	66	68	66	65	62	53	dB(A)
L_{WA} Outlet	80	60	71	72	74	73	71	67	58	dB(A)
L_{WA} Surrounding	65	41	63	59	54	53	48	41	35	dB(A)



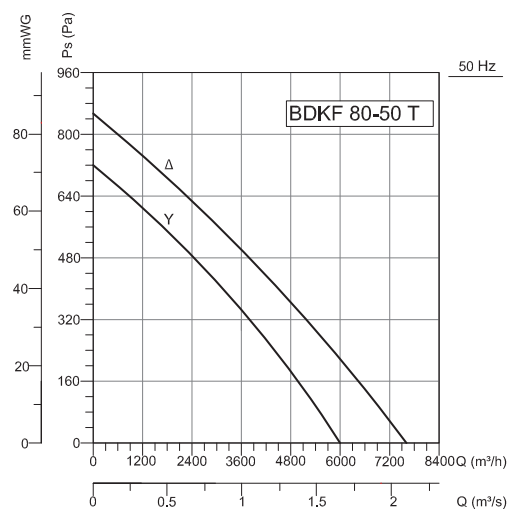
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{WA} Inlet	73	58	68	64	66	66	62	56	50	dB(A)
L_{WA} Outlet	77	62	68	70	71	71	69	61	55	dB(A)
L_{WA} Surrounding	63	40	60	57	52	51	46	38	35	dB(A)



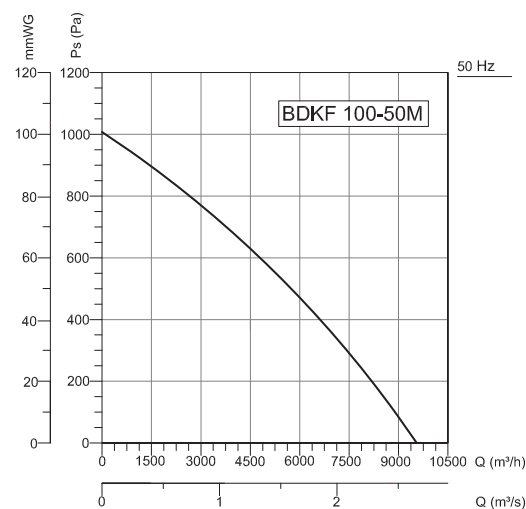
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{WA} Inlet	75	60	70	68	69	66	66	62	52	dB(A)
L_{WA} Outlet	79	60	71	71	73	74	71	38	55	dB(A)
L_{WA} Surrounding	65	41	62	58	56	56	49	42	36	dB(A)



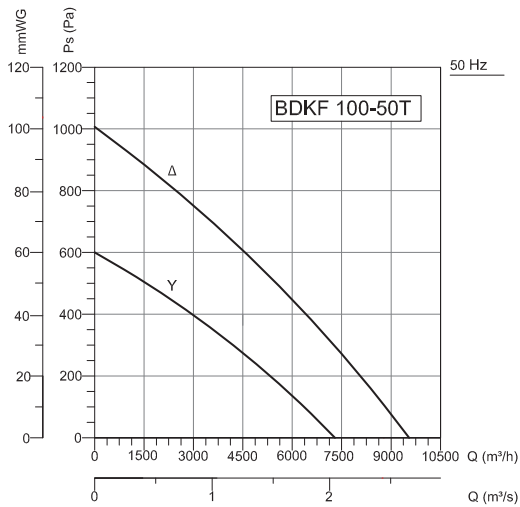
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{WA} Inlet	79	61	72	71	73	71	71	66	58	dB(A)
L_{WA} Outlet	84	66	75	76	77	79	75	70	61	dB(A)
L_{WA} Surrounding	71	45	68	64	61	61	60	54	43	dB(A)



Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{WA} Inlet	79	61	72	71	73	71	71	66	58	dB(A)
L_{WA} Outlet	84	66	75	76	77	79	75	70	61	dB(A)
L_{WA} Surrounding	71	45	68	64	61	61	60	54	43	dB(A)

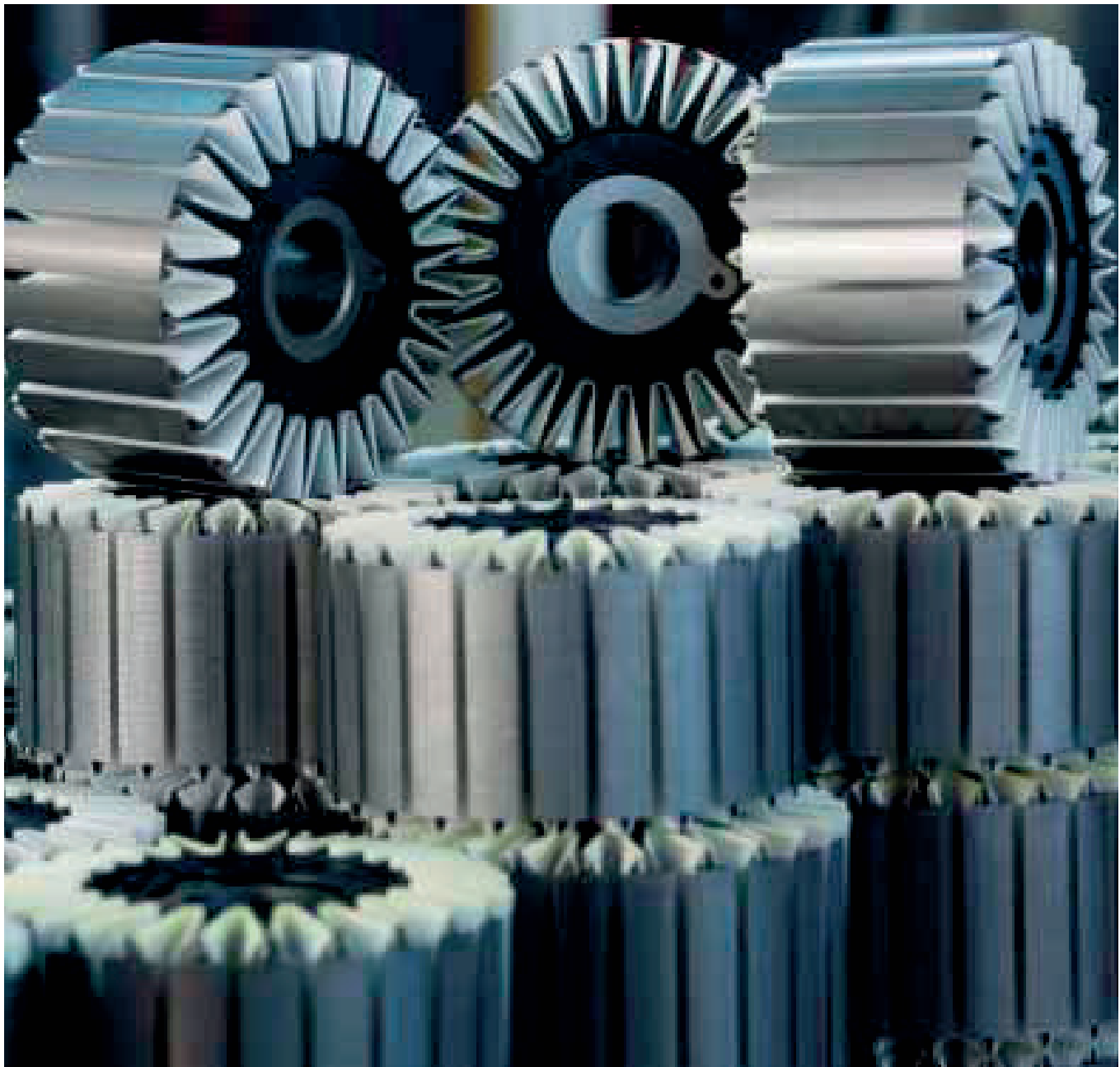
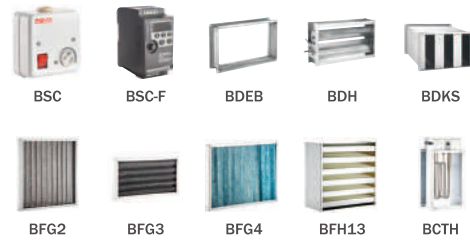


Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{WA} Inlet	84	70	77	76	78	78	75	71	65	dB(A)
L_{WA} Outlet	89	71	80	81	82	83	80	74	65	dB(A)
L_{WA} Surrounding	72	58	69	64	62	60	56	52	50	dB(A)



Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L _{WA} Inlet	84	70	77	76	78	78	75	71	65	dB(A)
L _{WA} Outlet	89	71	80	81	82	83	80	74	65	dB(A)
L _{WA} Surrounding	72	58	69	64	62	60	56	52	50	dB(A)

Accessories





BDKF-R

RECTANGULAR DUCT FANS / Backward Curved

Fan Components and Material Properties

Rectangular body is manufactured from galvanized steel sheet. The Fans are made of high quality galvanized steel which is resistant to corrosion. All models use an asynchronous motor and the motor is out of airflow. The device is capable of carrying air at max. 120°C.

Fan Structure

It is designed to work between the rectangular channel. The fan blades are aerodynamically curved and provide regular flow. The fans are composed of backward sloping and infrequently arranged fins.

Benefits

Since the motor is out of airflow, it is resistant to high temperature. The swing-out lid allows the

product to be maintained effortlessly without removing the fan. Thanks to the aerodynamic wing structure, they work quietly. Speed can be adjusted with speed control devices.

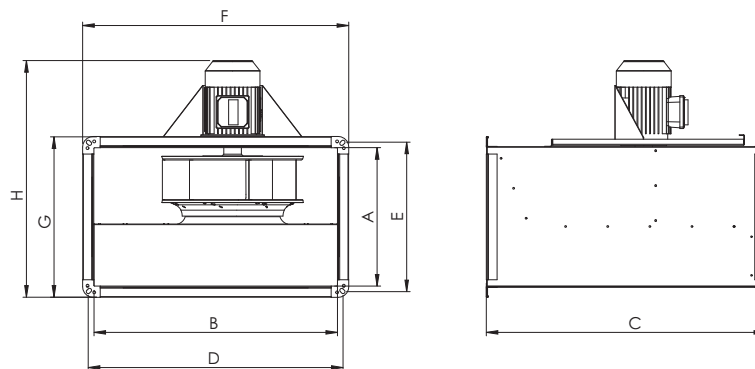
Speed Control

Optional control devices can be provided. Speed control with frequency inverter can be done in 3-phase products (see BSC-F accessory)

Usage Areas

It is designed to meet medium and high volume ventilation requirements in rectangular duct systems where the application area is limited. It is able to carry air at higher temperatures due to the motor being out of airflow.

Technical Drawing and Tables



TYPE	A	B	C	D	E	F	G	H
BDKF-R 315	350	600	750	620	370	660	410	550
BDKF-R 355	350	600	750	620	370	660	410	550
BDKF-R 400	400	700	800	720	420	770	470	630
BDKF-R 450	400	700	800	720	420	770	470	630
BDKF-R 500	500	800	920	820	520	870	570	780
BDKF-R 560	500	1000	1050	1030	530	1070	570	780

Dimensions are in (mm)

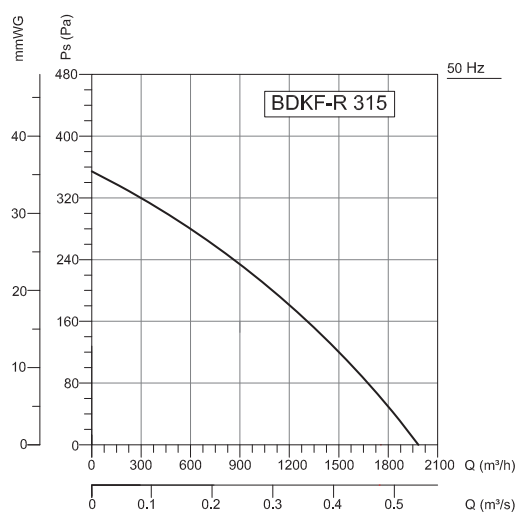
TYPE	VOLTAGE	FREQUENCY	POWER	CURRENT	CAPACITOR	SPEED	AIR FLOW	SOUND PRESSURE	INSULATION CLASS	PROTECTION CLASS	WEIGHT
	V	Hz	kW	(A)	(µF)	r.p.m	m³/h	dB(A)	Ins.cl.	IP	kg
BDKF-R 315 M	230	50	0,25	2,1	10	1380	2000	53	F	55	35
BDKF-R 355 M	230	50	0,25	2,1	10	1380	3000	58	F	55	36
BDKF-R 400 M	230	50	0,37	3,4	15	1390	4100	56	F	55	49
BDKF-R 450 M	230	50	0,55	4,5	20	1395	5500	58	F	55	52
BDKF-R 500 M	230	50	1,1	7,5	35	1410	8100	64	F	55	74
BDKF-R 560 M	230	50	2,2	14,2	50	1420	10500	66	F	55	91
BDKF-R 315 T	380	50	0,25	0,87	-	1380	2000	53	F	55	35
BDKF-R 355 T	380	50	0,25	0,87	-	1380	3000	58	F	55	36
BDKF-R 400 T	380	50	0,37	1,2	-	1390	4100	56	F	55	49
BDKF-R 450 T	380	50	0,55	1,6	-	1395	5500	58	F	55	52
BDKF-R 500 T	380	50	1,1	2,6	-	1410	8100	64	F	55	74
BDKF-R 560 T	380	50	2,2	4,9	-	1420	10500	66	F	55	91

Sound Level Measured from 3m distance in room condition.

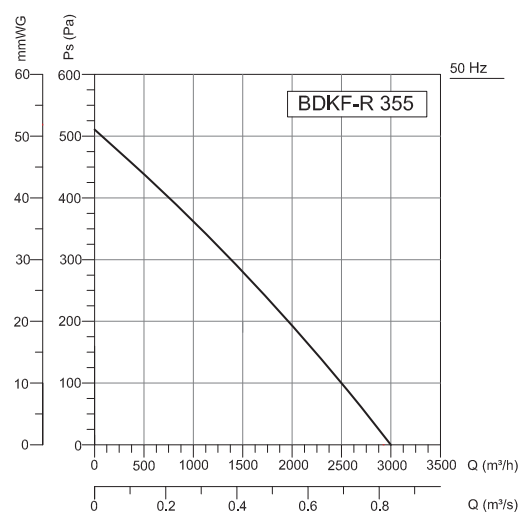
Accessories



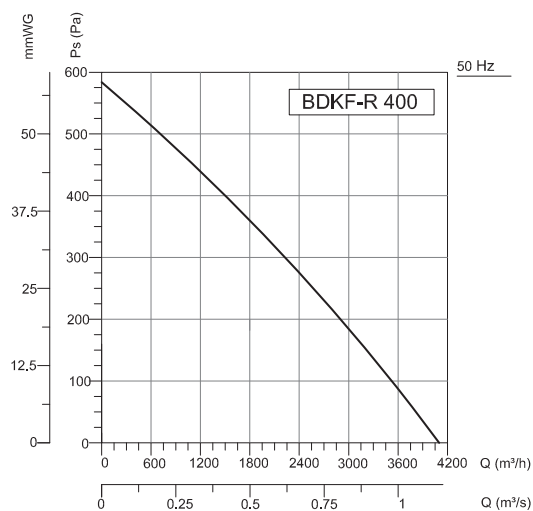
DUCT FANS / RECTANGULAR AND SQUARE DUCT FANS



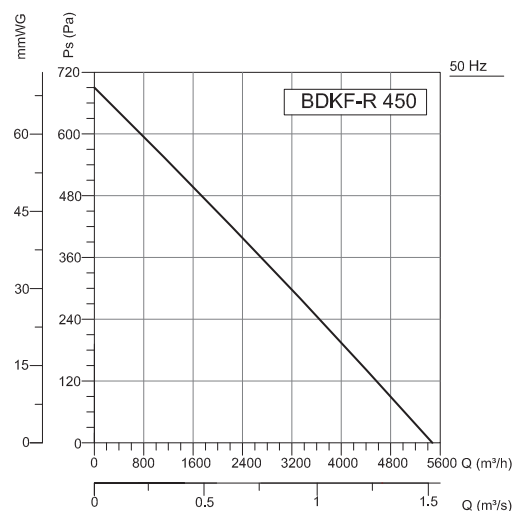
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{wA} Inlet	70	50	65	61	63	60	61	56	48	dB(A)
L_{wA} Outlet	76	54	72	68	69	68	67	62	54	dB(A)
L_{wA} Surrounding	60	27	57	53	50	49	48	49	37	dB(A)



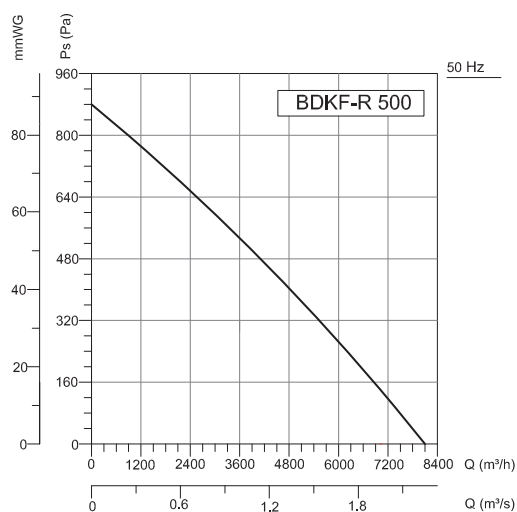
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{wA} Inlet	74	50	61	67	65	68	66	63	60	dB(A)
L_{wA} Outlet	78	51	61	69	71	71	73	67	70	dB(A)
L_{wA} Surrounding	65	33	40	59	57	59	58	50	47	dB(A)



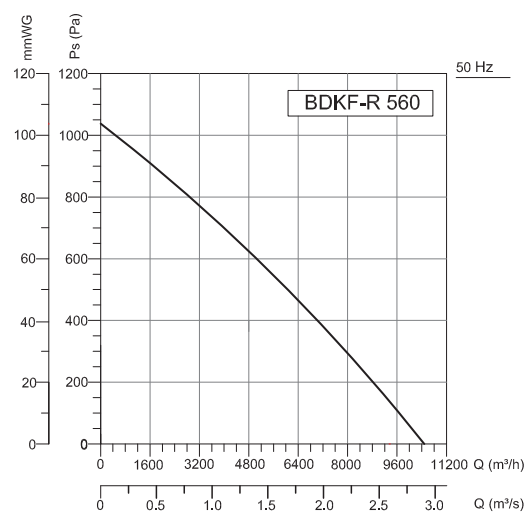
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{wA} Inlet	73	58	68	64	66	66	62	56	50	dB(A)
L_{wA} Outlet	77	62	68	70	71	71	69	61	55	dB(A)
L_{wA} Surrounding	63	40	60	57	52	51	46	38	35	dB(A)



Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{wA} Inlet	70	50	65	61	63	60	61	56	48	dB(A)
L_{wA} Outlet	76	54	72	68	69	68	67	62	54	dB(A)
L_{wA} Surrounding	60	27	57	53	50	49	48	49	37	dB(A)



Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{wA} Inlet	79	61	72	71	73	71	71	66	58	dB(A)
L_{wA} Outlet	84	66	75	76	77	79	75	70	61	dB(A)
L_{wA} Surrounding	71	45	68	64	61	61	60	54	43	dB(A)



Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{wA} Inlet	84	70	77	76	78	78	75	71	65	dB(A)
L_{wA} Outlet	89	71	80	81	82	83	80	74	65	dB(A)
L_{wA} Surrounding	73	58	70	65	63	61	58	54	50	dB(A)



BDKF-R EX PROOF

RECTANGULAR DUCT FANS / Backward Curved

Fan Components and Material Properties

Rectangular body is manufactured from galvanized steel sheet. The Fans are made of high quality galvanized steel which is resistant to corrosion. All models are equipped with Ex Proof asynchronous motor. Suction flange is made of copper material. The motor is out of airflow.

Fan Structure

It is designed to work between the rectangular channel. The fan blades are aerodynamically curved and provide regular flow. The fans are composed of backward sloping and infrequently arranged fins.

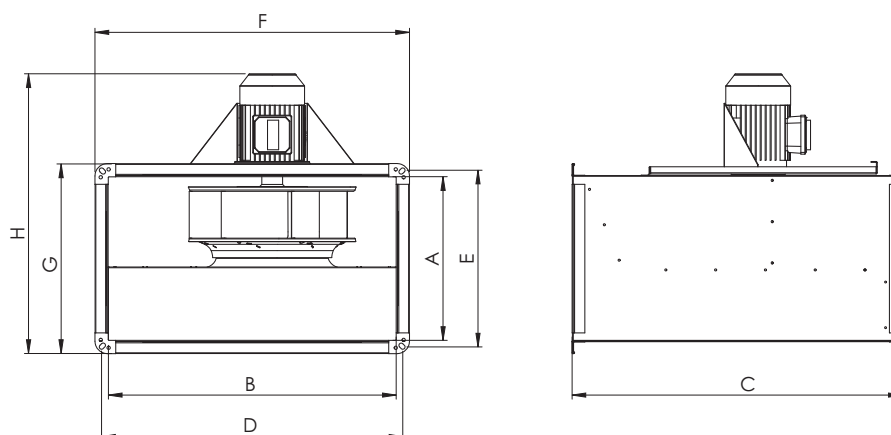
Benefits

Designed to be non-sparking. Since the motor is out of airflow, it is resistant to high temperature. The swing-out lid allows the product to be maintained effortlessly without removing the fan. Thanks to the aerodynamic wing structure, they work quietly. Speed can be adjusted with speed control devices.

Usage Areas

Ex-proof fans are one of the preferred fan types for the ventilation of high-risk environments. It is designed to be non-sparking. Usage areas are determined according to the degree of Atex directive.

Technical Drawing and Tables



TYPE	A	B	C	D	E	F	G	H
BDKF-R-EX 315 T	350	600	750	620	370	660	410	550
BDKF-R-EX 355 T	350	600	750	620	370	660	410	650
BDKF-R-EX 400 T	400	700	800	720	420	770	470	630
BDKF-R-EX 450 T	400	700	800	720	420	770	470	630
BDKF-R-EX 500 T	500	800	920	820	520	870	570	780
BDKF-R-EX 560 T	500	1000	1050	1030	530	1070	570	780

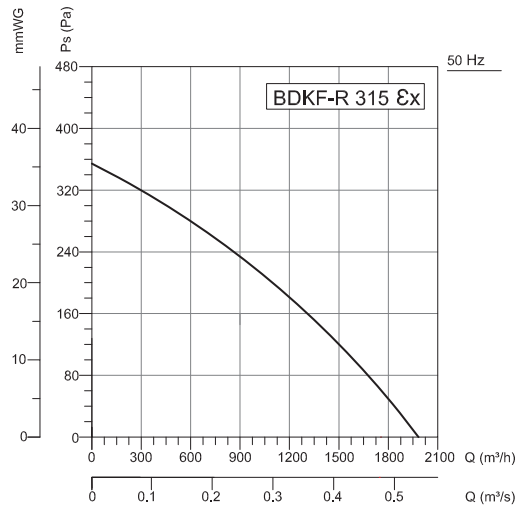
Dimensions are in (mm)

TYPE	VOLTAGE	FREQUENCY	POWER	CURRENT	CAPACITOR	SPEED	AIR FLOW	SOUND PRESSURE	INSULATION CLASS	PROTECTION CLASS	WEIGHT
	V	Hz	kW	(A)	(μF)	r.p.m	m³/h	dB(A)	Ins.cl.	IP	kg
BDKF-R-EX 315 T	380	50	0,25	0,87	-	1380	2000	53	F	55	35
BDKF-R-EX 355 T	380	50	0,25	0,87	-	1380	3000	58	F	55	36
BDKF-R-EX 400 T	380	50	0,37	1,2	-	1390	4100	56	F	55	49
BDKF-R-EX 450 T	380	50	0,55	1,6	-	1395	5500	58	F	55	52
BDKF-R-EX 500 T	380	50	1,1	2,6	-	1410	8100	64	F	55	74
BDKF-R-EX 560 T	380	50	2,2	4,9	-	1420	10500	66	F	55	91

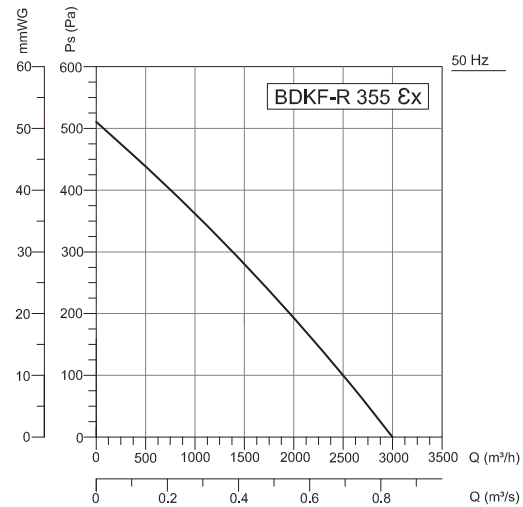
Sound Level Measured from 3m distance in room condition.

Accessories

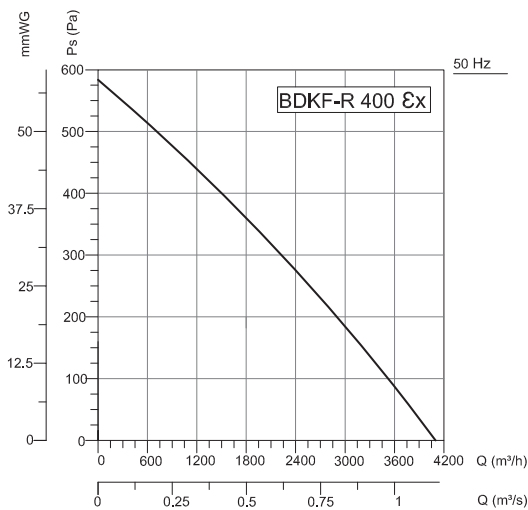




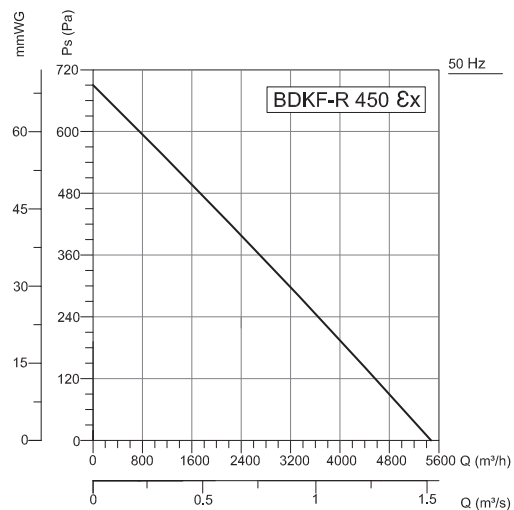
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{wA} Inlet	70	50	65	61	63	60	61	56	48	dB(A)
L_{wA} Outlet	76	54	72	68	69	68	67	62	54	dB(A)
L_{wA} Surrounding	60	27	57	53	50	49	48	49	37	dB(A)



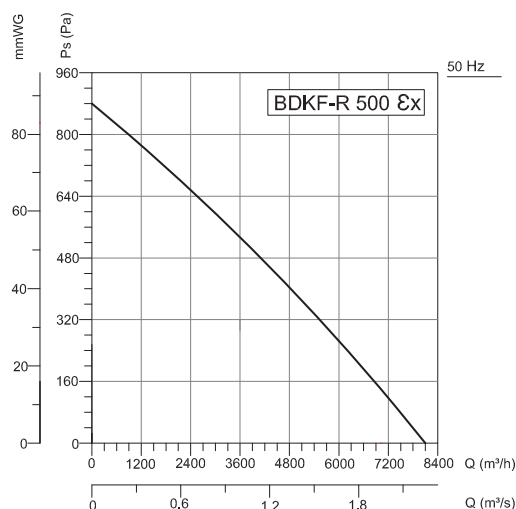
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{wA} Inlet	74	50	61	67	65	68	66	63	60	dB(A)
L_{wA} Outlet	78	51	61	69	71	71	73	67	70	dB(A)
L_{wA} Surrounding	65	33	40	59	57	59	58	50	47	dB(A)



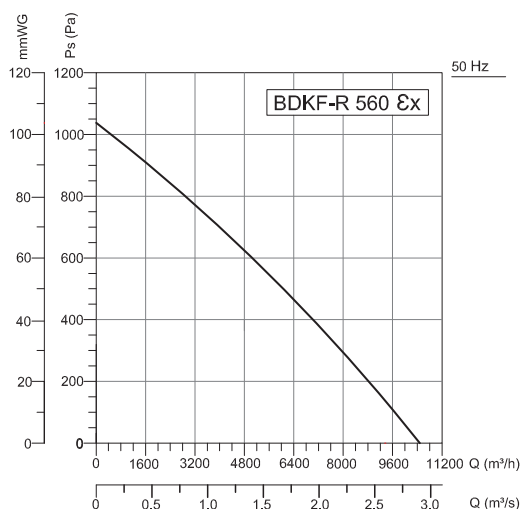
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{wA} Inlet	73	58	68	64	66	66	62	56	50	dB(A)
L_{wA} Outlet	77	62	68	70	71	71	69	61	55	dB(A)
L_{wA} Surrounding	63	40	60	57	52	51	46	38	35	dB(A)



Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{wA} Inlet	70	50	65	61	63	60	61	56	48	dB(A)
L_{wA} Outlet	76	54	72	68	69	68	67	62	54	dB(A)
L_{wA} Surrounding	60	27	57	53	50	49	48	49	37	dB(A)



Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{wA} Inlet	79	61	72	71	73	71	71	66	58	dB(A)
L_{wA} Outlet	84	66	75	76	77	79	75	70	61	dB(A)
L_{wA} Surrounding	71	45	68	64	61	61	60	54	43	dB(A)



Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L_{wA} Inlet	84	70	77	76	78	78	75	71	65	dB(A)
L_{wA} Outlet	89	71	80	81	82	83	80	74	65	dB(A)
L_{wA} Surrounding	73	58	70	65	63	61	58	54	50	dB(A)



BSKF

RECTANGULAR DUCT FANS / Forward Curved

Fan Components and Material Properties

Rectangular body is manufactured from galvanized steel sheet. All models have an external rotor motor with a closed structure and have air transport at max.40°C.

Fan Structure

The fan blades are produced in an aerodynamic structure to provide forward flow and forward flow. It is designed to work between the rectangular channel.

Benefits

The swing-out lid allows the product to be maintained effortlessly without removing the fan. Thanks to the aerodynamic wing structure, they work quietly. Speed can be adjusted with speed control devices.

Speed Control

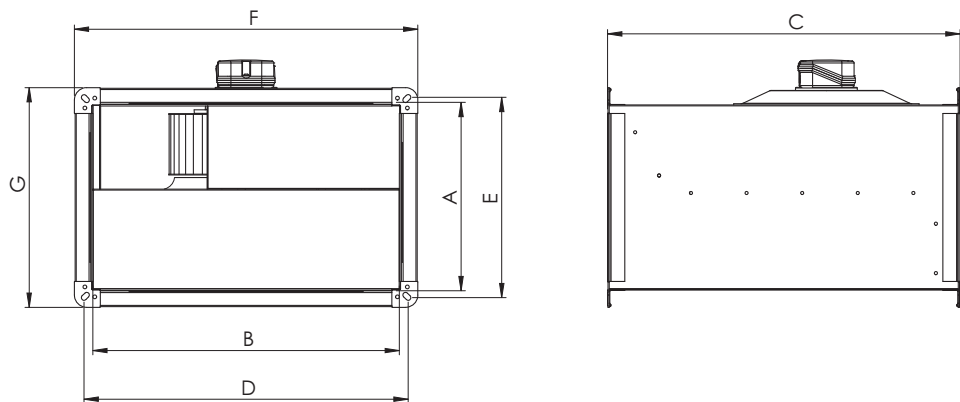
Optional control devices can be provided.

1 ~ Phase products can be controlled with linear voltage regulator (see BSC accessory). 3 ~ phase products can be controlled by frequency inverter (see BSC-F accessory).

Usage Areas

It is designed to meet medium and high volume ventilation requirements in rectangular duct systems where the application area is limited. It is recommended to use barber with filter in dirty environments.

Technical Drawing and Tables



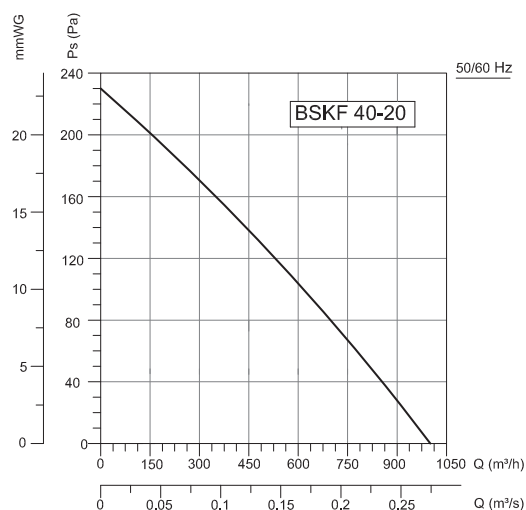
TYPE	A	B	C	D	E	F	G
BSKF 40-20	198	398	502	420	220	450	250
BSKF 50-25	248	498	532	520	270	550	300
BSKF 50-30	298	498	562	520	320	550	350
BSKF 60-30	298	598	642	620	320	660	360
BSKF 60-35	348	600	720	620	370	660	410

Dimensions are in (mm)

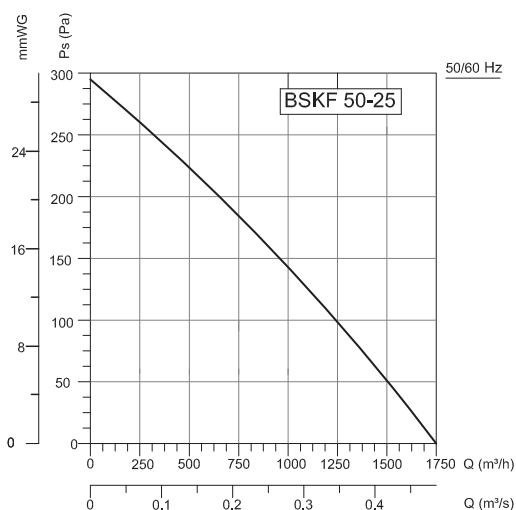
TYPE	VOLTAGE	FREQUENCY	POWER	CURRENT	CAPACITOR	SPEED	AIR FLOW	SOUND PRESSURE	INSULATION CLASS	PROTECTION CLASS	WEIGHT
TYPE	V	Hz	W	(A)	(μF)	r.p.m	m³/h	dB(A)	Ins.cl.	IP	kg
BSKF 40-20	230	50/60	230/315	1,15/1,41	6	1400/1590	990	53	F	44	14
BSKF 50-25	230	50/60	465/635	2/2,7	10	1300	1750	55	F	44	19
BSKF 50-30	230	50	675	3	10	1300	2100	58	F	44	23
BSKF 60-30	400 Δ	50	1335	2,43	-	1200	2950	60	F	44	36
BSKF 60-35	400 Δ	50	1900	3,4	-	1300	4250	62	F	54	44

Sound Level Measured from 3m distance in room condition.

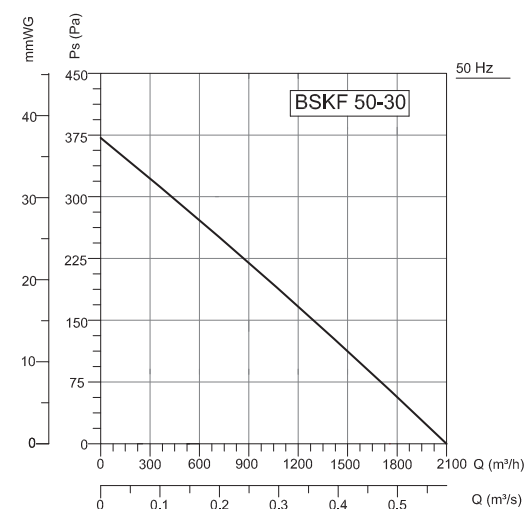
DUCT FANS / RECTANGULAR AND SQUARE DUCT FANS



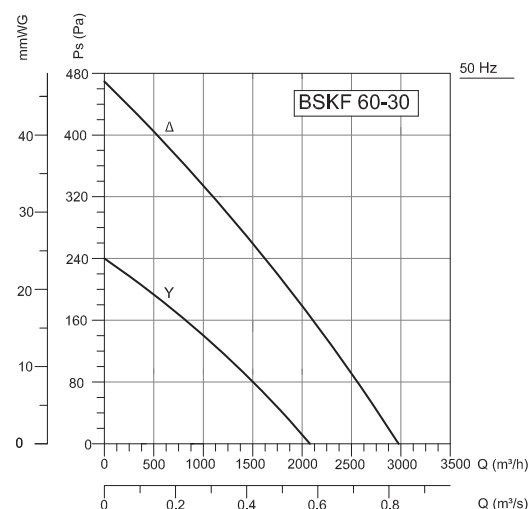
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L _{WA} Inlet	71	58	68	65	60	58	56	54	49	dB(A)
L _{WA} Outlet	73	54	65	67	65	66	62	60	55	dB(A)
L _{WA} Surrounding	60	35	47	57	53	52	45	42	38	dB(A)



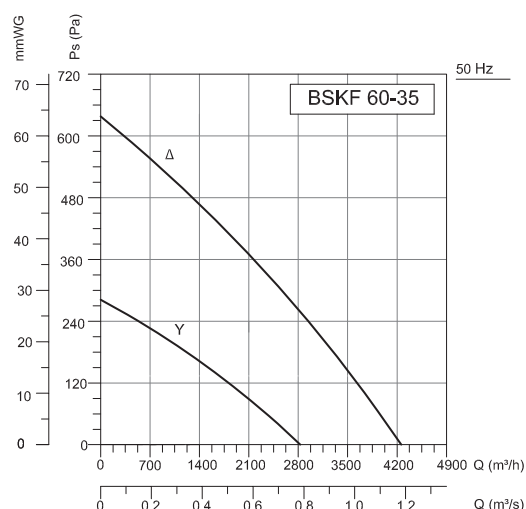
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L _{WA} Inlet	73	61	66	65	64	65	63	62	57	dB(A)
L _{WA} Outlet	76	57	63	65	67	71	70	68	66	dB(A)
L _{WA} Surrounding	62	39	50	53	54	56	52	50	55	dB(A)



Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L _{WA} Inlet	76	66	71	65	64	67	67	66	62	dB(A)
L _{WA} Outlet	79	62	68	67	70	74	72	71	66	dB(A)
L _{WA} Surrounding	65	45	55	60	56	59	55	50	49	dB(A)

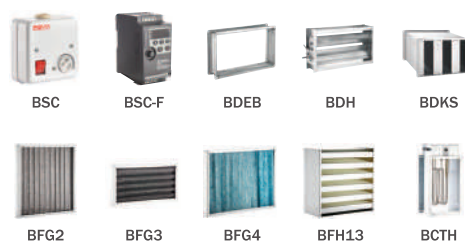


Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L _{WA} Inlet	78	71	71	67	66	71	71	68	63	dB(A)
L _{WA} Outlet	80	59	70	68	73	75	72	73	68	dB(A)
L _{WA} Surrounding	67	39	60	61	60	58	55	53	49	dB(A)



Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L _{WA} Inlet	80	72	75	67	68	73	72	69	65	dB(A)
L _{WA} Outlet	83	65	72	71	75	79	76	74	70	dB(A)
L _{WA} Surrounding	69	53	63	64	60	61	56	53	48	dB(A)

Accessories





BSKF-R

RECTANGULAR DUCT FANS / Forward Curved

Fan Components and Material Properties

The rectangular body and the impellers of the fans are made of high quality galvanized steel which is resistant to corrosion. The BSKF-R is equipped with an asynchronous motor outside the air flow. The device is capable of carrying air at max.120°C.

Fan Structure

The fan blades are produced in an aerodynamic structure to provide forward flow and forward flow. It is designed to work between the rectangular channel.

Benefits

Since the motor is out of airflow, it is resistant to high temperature. The swing-out lid allows the product to be maintained effortlessly without removing

the fan. Thanks to the aerodynamic wing structure, they work quietly. Speed can be adjusted with speed control devices.

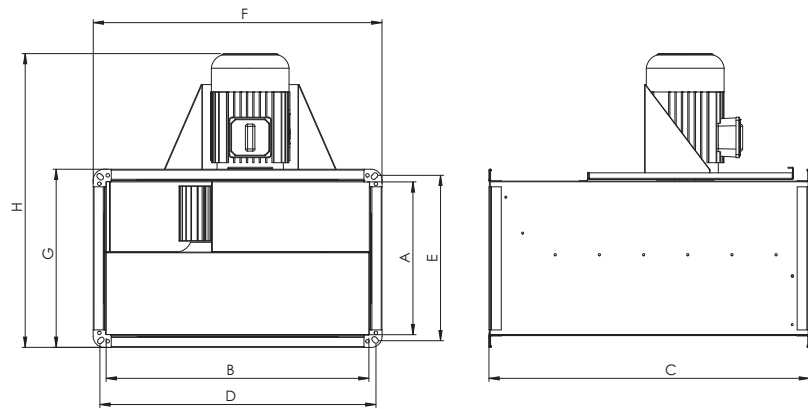
Speed Control

Optional control devices can be provided. 3 ~ phase products with frequency inverter speed control can be done. (see BSC-F accessory)

Usage Areas

It is designed to meet medium and high volume ventilation requirements in rectangular duct systems where the application area is limited. It is able to carry air at higher temperatures due to the motor being out of airflow. It is recommended to use bar-bar with filter in dirty environments.

Technical Drawing and Tables



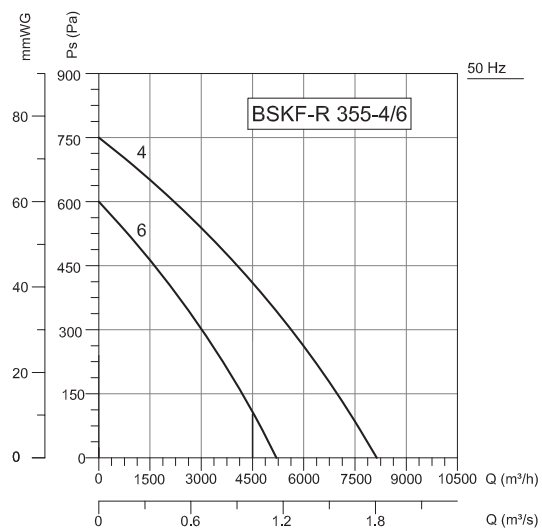
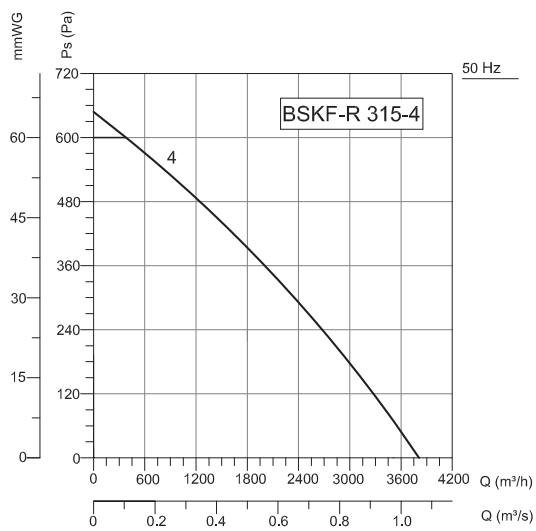
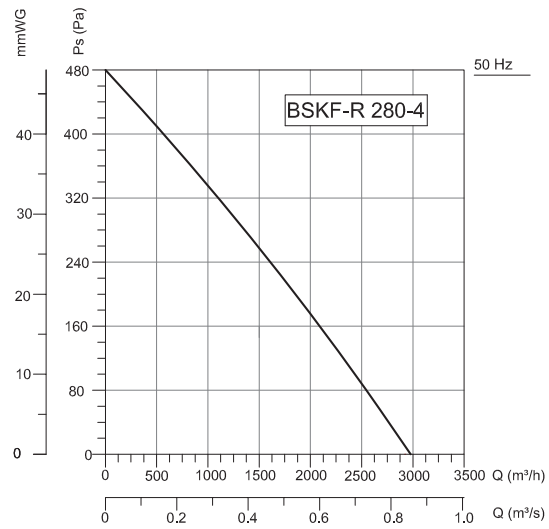
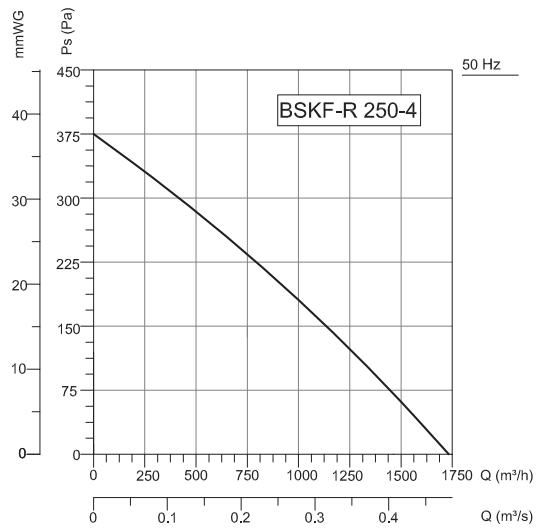
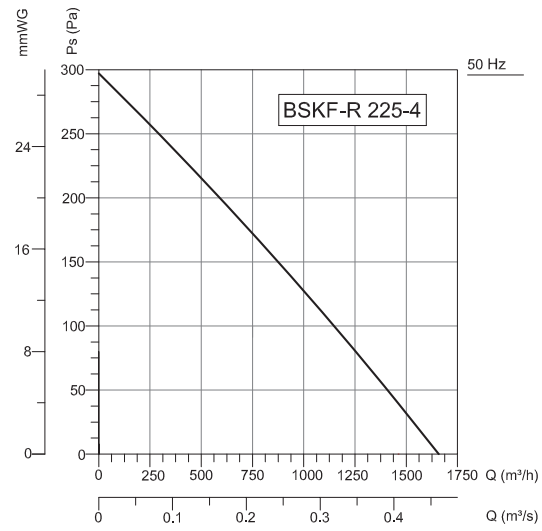
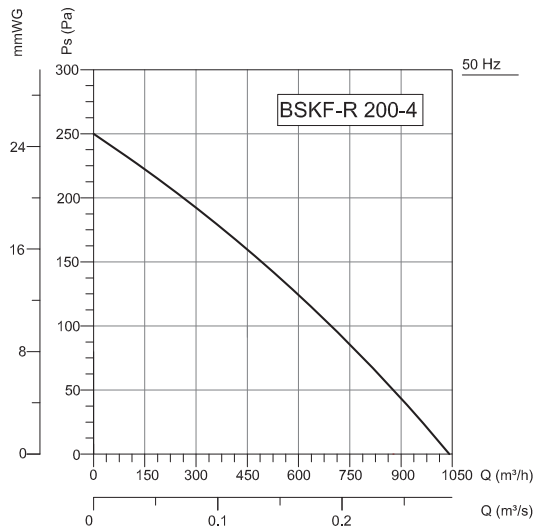
TYPE	A	B	C	D	E	F	G	H
BSKF-R 200	200	400	500	420	220	450	250	469
BSKF-R 225	250	500	560	520	270	550	300	519
BSKF-R 250	300	500	560	520	320	550	350	589
BSKF-R 280	300	600	710	620	320	660	360	589
BSKF-R 315	350	600	710	620	370	660	410	684
BSKF-R 355	400	700	780	720	420	770	470	766
BSKF-R 400	500	800	880	820	520	870	570	866
BSKF-R 450	500	1000	980	1020	520	1070	570	886

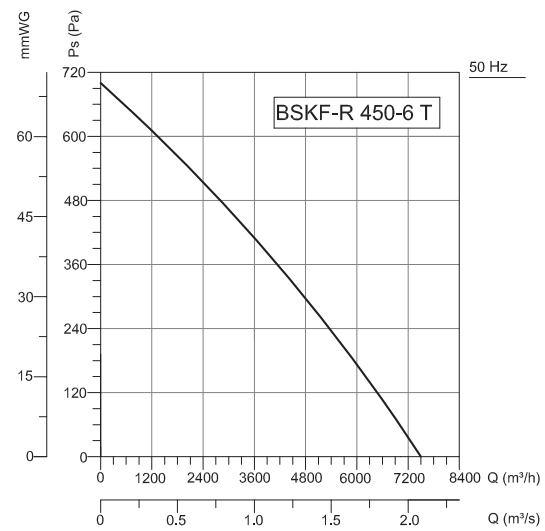
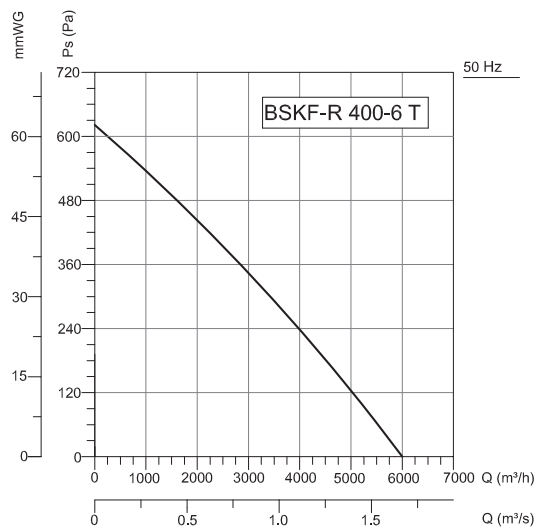
Dimensions are in (mm)

TYPE	VOLTAGE	FREQUENCY	POWER	CURRENT	CAPACITOR	SPEED	AIR FLOW	SOUND PRESSURE	INSULATION CLASS	PROTECTION CLASS	WEIGHT
	V	Hz	kW	(A)	(μF)	r.p.m	m³/h	dB(A)	Ins.cl.	IP	kg
BSKF-R 200-4 M	230	50	0,25	2,1	10	1390	1000	53	F	55	22
BSKF-R 225-4 M	230	50	0,37	3,4	15	1400	1673	55	F	55	35
BSKF-R 250-4 M	230	50	0,55	4,5	20	1365	1740	55	F	55	40
BSKF-R 280-4 M	230	50	0,75	4,6	30	1405	2942	60	F	55	43
BSKF-R 315-4 M	230	50	1,5	9,3	50	1410	4050	62	F	55	55
BSKF-R 355-4 M	230	50	2,2	14,2	50	1430	8000	64	F	55	85
BSKF-R 200-4 T	380	50	0,25	0,87	-	1380	1000	53	F	55	22
BSKF-R 225-4 T	380	50	0,37	1,2	-	1390	1673	55	F	55	35
BSKF-R 250-4 T	380	50	0,55	1,6	-	1365	1740	55	F	55	40
BSKF-R 280-4 T	380	50	0,75	2,1	-	1405	2942	60	F	55	43
BSKF-R 315-4 T	380	50	1,5	3,5	-	1410	4050	62	F	55	55
BSKF-R 355-4 T	380	50	2,2	4,9	-	1420	8000	64	F	55	85
BSKF-R 355-6 T	380	50	1,1	2,9	-	930	5200	53	F	55	85
BSKF-R 400-6 T	380	50	1,5	3,6	-	945	6000	55	F	55	92
BSKF-R 450-6 T	380	50	2,2	5,4	-	950	7500	58	F	55	120

Sound Level Measured from 3m distance in room condition.

DUCT FANS / RECTANGULAR AND SQUARE DUCT FANS





Accessories





BGK

CEILING TYPE HEAT RECOVERY DEVICES / Plate Heat Exchangers

Device Components and Material Properties

The body is manufactured from galvanized sheet metal. Some of the fans of the BGK are made of high quality galvanized steel which is resistant to corrosion. All models have an external rotor motor with closed structure. The device is capable of handling air at max. 40°C. It consists of high efficiency plate heat exchanger, external rotor motor plug fan, filters and control panel components. An electric heater is available as an option.

Device Structure

Polyethylene insulation material is used for sound insulation and thermal insulation of the device body. There is a condensation pan designed to drain the condensate on the heat recovery exchanger.

Electric Heater Features

Heated electric heater, low and high limit safety temperature thermostat.

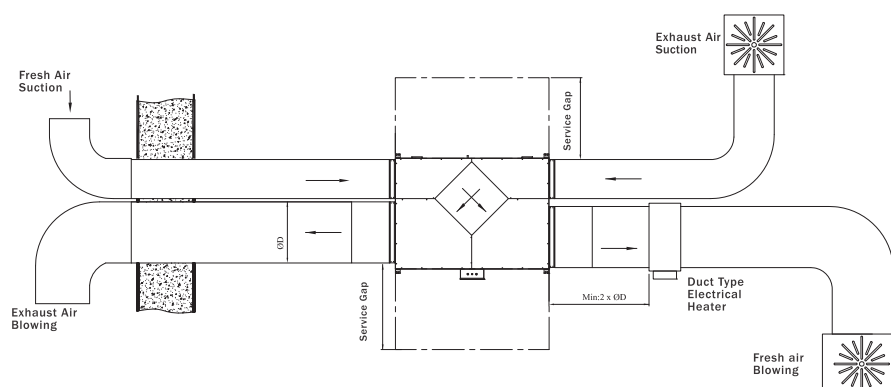
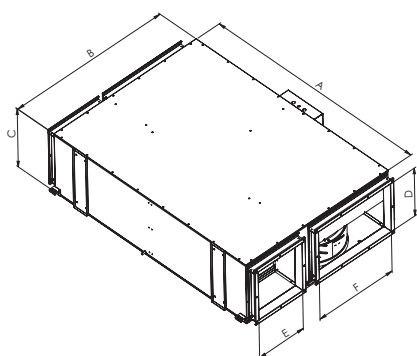
Benefits

By means of the heat exchanger, the heat is transferred by means of heat exchanger without the mixture between the exhausted air and the fresh air taken from the outer space, pre-heating in winter conditions and pre-cooling in summer conditions. Since no extra energy is consumed in the meantime, some of the energy to be consumed for heating or cooling the fresh air is obtained from the indoor or outdoor air. Due to the recovery of exhaust heat, it reduces the initial investment and operating costs of air conditioning systems. The speed can be adjusted via the control panel. Easy access to plug fans and filters.

Usage Areas

School, hotel, shopping center, business centers, villa, hospital etc. structures where high amounts of fresh air are needed; It is used in cases where air freshening and air conditioning is desired to be done in an efficient way.

Technical Drawing and Tables

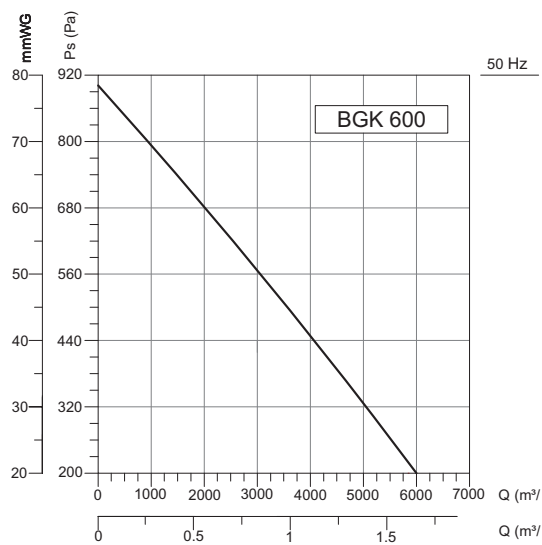
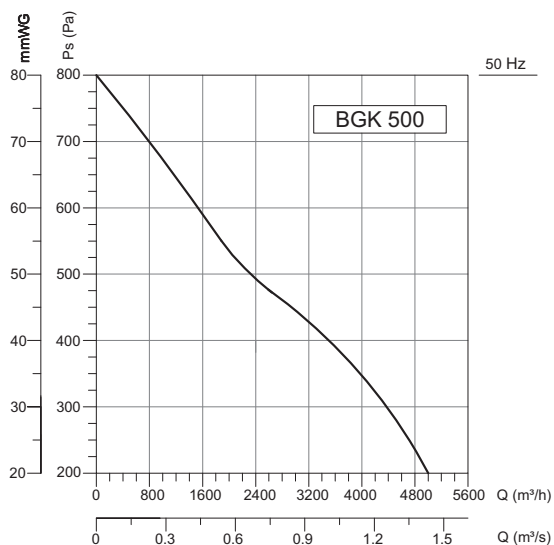
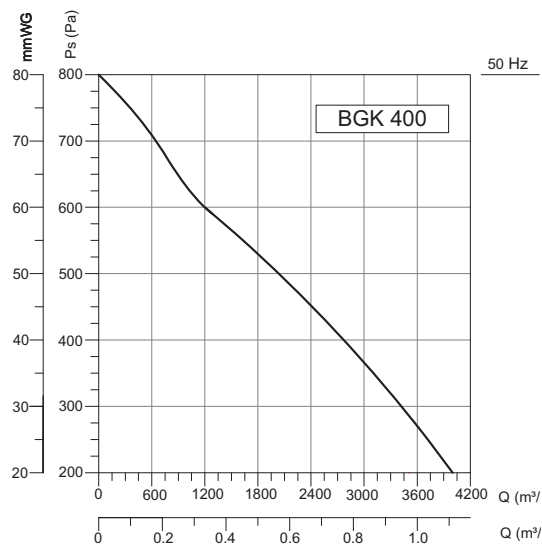
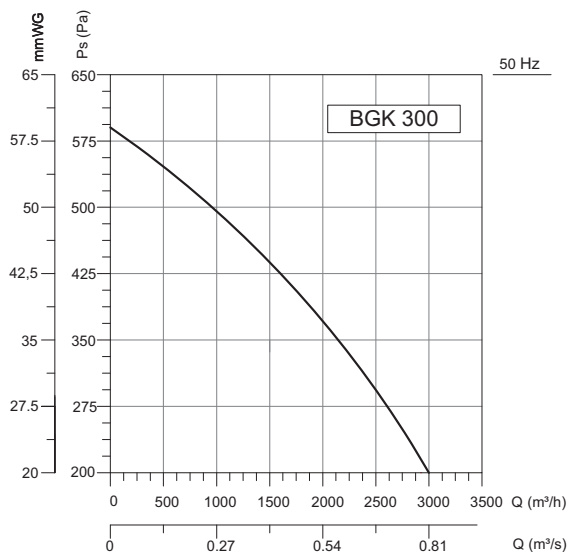
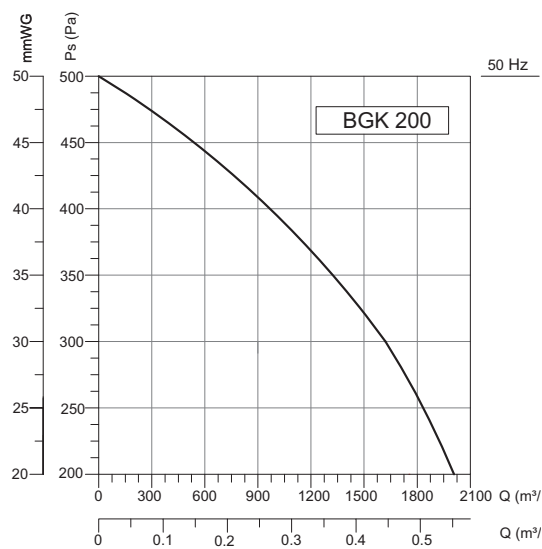
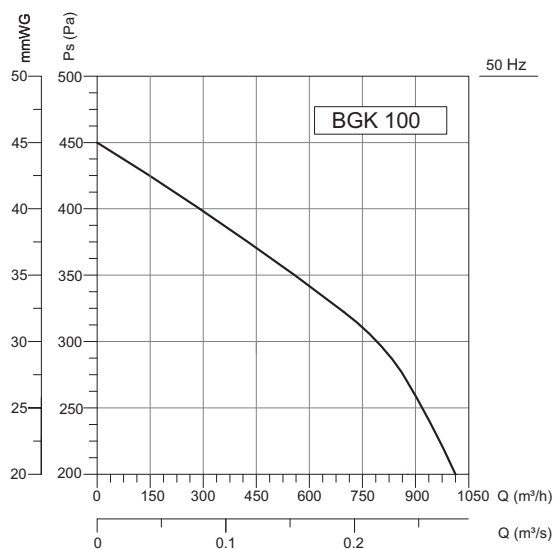


TYPE	A	B	C	D	E	F
BGK 100	1100	900	315	220	200	455
BGK 200	1200	1000	365	270	300	455
BGK 300	1500	1200	415	320	400	555
BGK 400	1700	1200	475	380	400	555
BGK 500	1800	1300	515	420	400	655
BGK 600	2000	1500	615	520	400	855

Dimensions are in (mm)

TYPE	VOLTAGE	FREQUENCY	POWER	CURRENT	CAPACITOR	SPEED	AIR FLOW	SOUND PRESSURE	INSULATION CLASS	PROTECTION CLASS	WEIGHT	ELECTRICAL HEATER	VOLTAGE OF ELECTRICAL HEATER
TYPE	V	Hz	W	(A)	(µF)	r.p.m	m³/h	dB(A)	Ins.cl.	IP	kg	kW	V
BGK 100	230	50	120X2	0,55X2	6	1400	1000	45	F	44	80	3	380
BGK 200	230	50	200X2	1X2	8	1420	2000	46	F	44	113	3	380
BGK 300	230	50	310X2	1,55X2	10	1430	3000	48	F	44	160	5	380
BGK 400	230	50	500X2	2,5X2	10	1435	4000	49	F	44	195	8	380
BGK 500	230	50	780X2	3,5X2	16	1280	5000	54	F	44	215	10	380
BGK 600	230	50	1550X2	7,3X2	25	1250	6000	57	F	44	240	13	380

Sound Level Measured from 3m distance in room condition.



Accessories



BCTH



BFG2



BFG3



BFG4



BFH13



BDH



BDKS



BDEB



BSV

INDUSTRIAL VENTILATORS

Fan Components and Material Properties

Automatic right-to-left axis, up-down axis with manual rotation capability to cool any desired direction. It can be mounted on wall with BSV-D wall type.

Fan Structure

The aerodynamically optimized wings provide high efficiency.

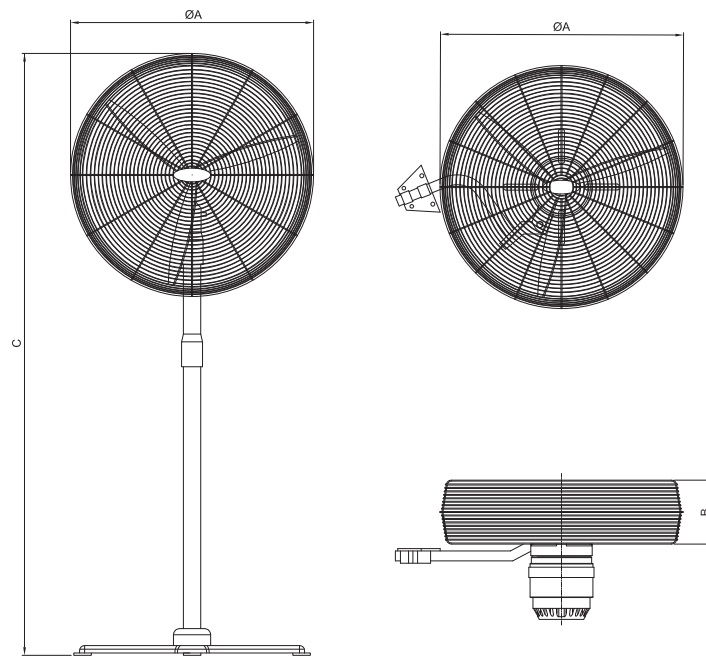
Speed Control

3-speed speed switch is available.

Usage Areas

Greenhouses, warehouses, paint shops, textile workshops, factories etc. Can be used in places.

Technical Drawing and Tables



TYPE	A	B	C
BSV 500	500	120	1900
BSV 600	600	120	1900
BSV 750	720	120	1950
BSV-D 500	500	120	-
BSV-D 600	600	120	-
BSV-D 750	750	120	-

Dimensions are in (mm)

TYPE	VOLTAGE	FREQUENCY	POWER	SPEED	AIR FLOW	WEIGHT
	V	Hz	W	r.p.m	m ³ /h	kg
BSV 500	230	50	120	1400	7000	19
BSV 600	230	50	150	1400	11000	24
BSV 750	230	50	350	1400	17400	27
BSV-D 500	230	50	120	1400	7000	19
BSV-D 600	230	50	150	1400	11000	24
BSV-D 750	230	50	350	1400	17400	27

Sound Level Measured from 3m distance in room condition.



BSC

SPEED CONTROL DEVICES

BSC provides operation in minimum and maximum voltage range, it is used for speed control of fans for ventilation purposes. It is used for speed control of 2-phase (single-phase) fans.

Allows control of fan flow with speed control. BSC-DS is used in double speed fans to control speed in both cycles.

TYPE	VOLTAGE	AMPERE
	V	A
BSC-1	230	2
BSC-2	230	5
BSC-3	230	10
BSC-DS	230	5



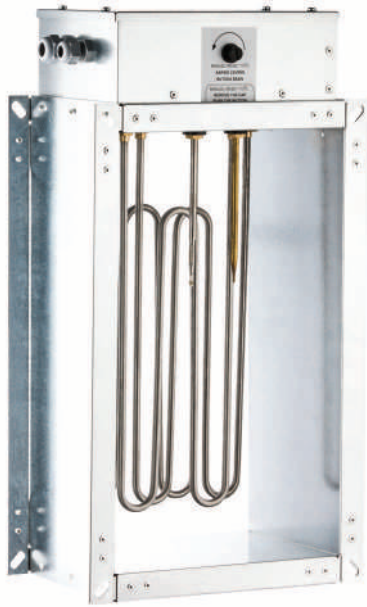
BSC-F

FREQUENCY INVERTERS

3-phase alternating current is a modern speed control device that works with the IPM-SPWM technique, which can adjust the speed of the motor from zero to the desired value with high starting torque.

It is used in 3 phase motor operated fans. By adjusting the motor speed, it helps to bring the fan flow rate to the desired value.

TYPE	VOLTAGE		MOTOR POWER
	INPUT/V	OUTPUT/V	kW
BSC-F-10	230	380	0,75
BSC-F-15	230	380	1,5
BSC-F-22	230	380	2,2
BSC-F-30	380	380	3
BSC-F-40	380	380	4
BSC-F-55	380	380	5,5
BSC-F-75	380	380	7,5
BSC-F-110	380	380	11
BSC-F-150	380	380	15
BSC-F-180	380	380	18,5
BSC-F-220	380	380	22
BSC-F-300	380	380	30



BCTH

DUCT TYPE HEATING

Body material of channel type heaters are galvanized sheet or stainless steel sheet. Heating elements of the heaters produced as 304 stainless steel pipe as produced.

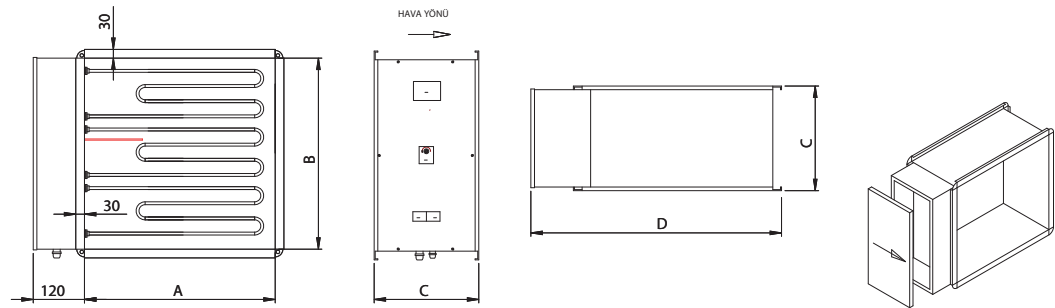
General applications are ventilation systems. Different channel types and these devices are produced according to the dimensions of the

preheater to heat the outside air, they are used as main or final heaters for heating air or blowing air. Easy to channel, especially when aqueous system heaters are unavailable they are quite useful devices with mounting possibilities.

* 70 110C and 110 70C (manual reset) safety as standard for all heaters thermostat.

TYPE	A	B	C	D
BCTH 100	455	220	200	605
BCTH 200	455	270	200	605
BCTH 300	555	320	200	705
BCTH 400	555	380	200	705
BCTH 500	655	420	200	805
BCTH 600	855	520	200	1005

TYPE	VOLTAGE	POWER
	V	kW
BCTH 75	380	3
BCTH 100	380	3
BCTH 200	380	5
BCTH 300	380	8
BCTH 400	380	10
BCTH 500	380	13

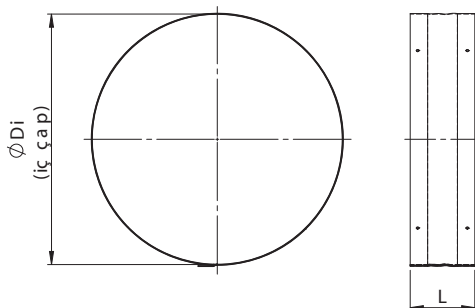


BESB

CIRCULAR FLEXIBLE FLANGES

Depending airstream that occur at axial fans don't transmit the natural vibration. It is provide

flexibility while fan assembly.



TYPE	DIMENSIONS		WEIGHT
	Ø Di	L	kg
BESB 400	404	130	0,58
BESB 450	454	130	0,65
BESB 500	504	130	0,73
BESB 560	564	130	0,81
BESB 630	634	130	0,91
BESB 710	714	130	1,03
BESB 800	804	130	1,15
BESB 900	904	130	1,30
BESB 1000	1004	130	1,44
BESB 1250	1254	130	1,80

Dimensions are in (mm).

CODES	CONNECTION DIAGRAM TYPE																					
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
SFX-6M 560 S															•							
SFX-6M 630 S															•							
SFG 4M 450 B								•														
SF-4M 500 B								•														
SFX-4M 500 B								•														
SFX-6M 500 B								•														
SFX-4M 560 B								•														
SFX-6M 560 B								•														
SFX-6M 630 B								•														
SFX 2T 250 (B/S)															•							
SFX 2T 300 (B/S)															•							
SFX-4T 300 (B/S)															•							
SF-4TX 350 (B/S)															•							
SF-4T 400 (B/S)															•							
SFX 4T 400 (B/S)															•							
SF-4T 450 (B/S)															•							
SFG 4T 450 (B/S)																				•		
SF-4T 500 (B/S)																				•		
SFX-4T 500 (B/S)																				•		
SFX 6T 500 (B/S)																				•		
SFX-8T 500 (B/S)																				•		
SFX-4T 560 (B/S)																				•		
SFX-6T 560 (B/S)																				•		
SFX-6T 630 (B/S)																				•		
SFG 4T 630 (B/S)																						•
SFG 6T 800 (B/S)																						•

