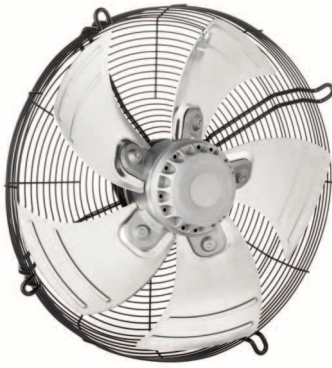




SF COOLING FANS

Fan Components and Material Properties

The propeller is manufactured from electrostatic powder coated sheet metal, protective wire and wire mesh electrostatic powder coated steel wire. The propeller is coupled directly to the motor. Protective and carrier wireframe produced in standard connection dimensions.

* Square Plate and Flat Grill options are available. Please contact BVN representatives.

Benefits

With its blower and suction types, the SF cooling fans are designed for high performance, low noise level and long-term maintenance-free operation in a variety of applications. 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

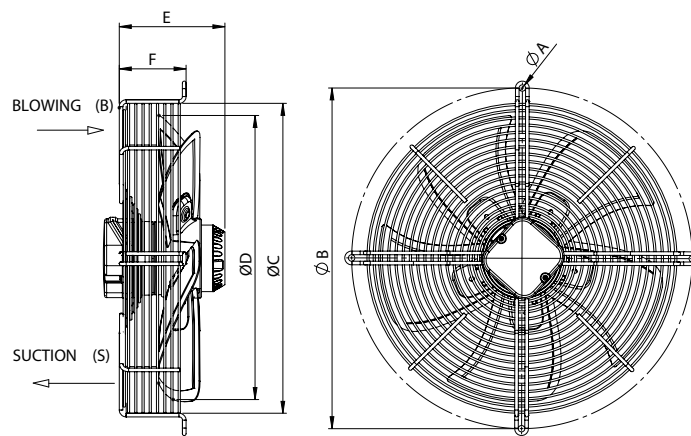
Optional control devices can be provided.

1~Phase products can be controlled with linear voltage regulator (see BSC accessory). * In line with the demand, three-phase models can be produced in accordance with the inverter.

Usage Areas

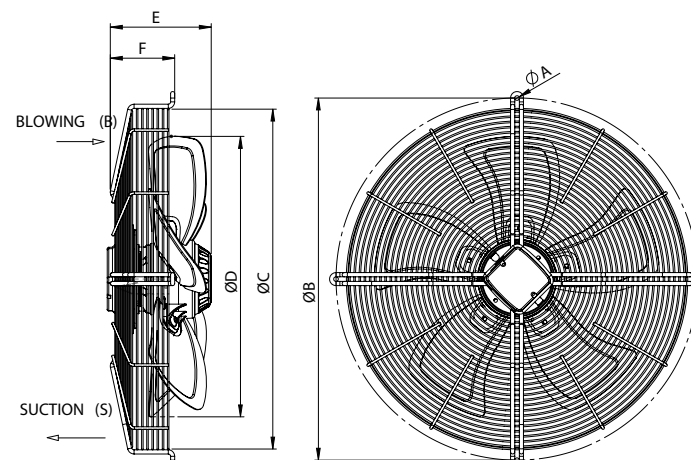
Refrigeration machines, laboratories, residences, air-conditioning outdoor units, hot and cold air appliances and industrial chillers etc. used in places.

Technical Drawing and Tables



TYPE	A	B	C	D	E	F
SF 250	6,5	321	280	250	115	75
SF 300	6,5	360	329	300	115	61
SF 350	6,5	422	374	345	148	88
SF 400	9	470	422	396	146	93
SF 450	9	522	472	444	160	93

Dimensions are in (mm)

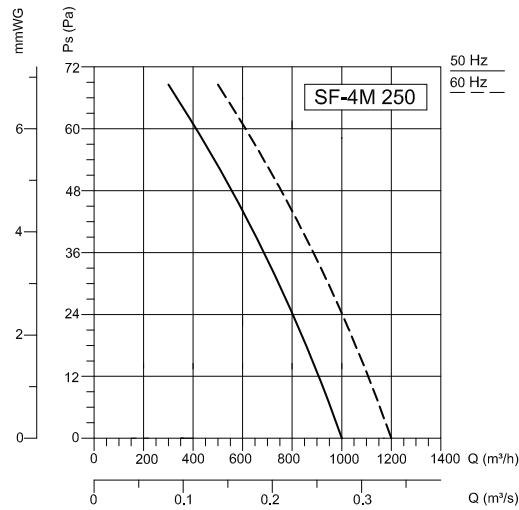


TYPE	A	B	C	D	E	F
SF 500	9	565	520	500	170	97
SF 560	9	700	654	552	198	124
SF 630	9	750	700	623	198	142

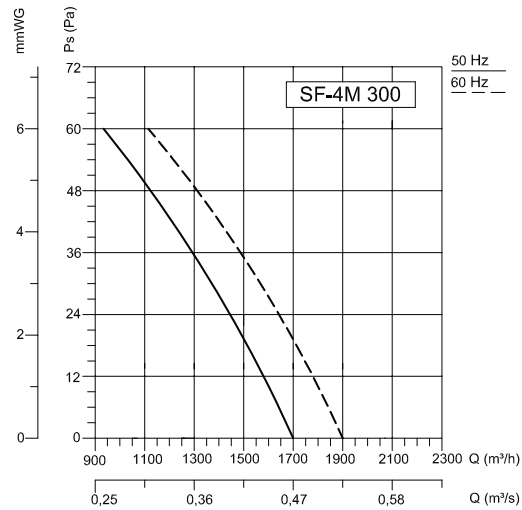
Dimensions are in (mm)

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
SF-4M 250 B	230	50/60	50/60	0,22/0,26	2	1400/1670	1000/1190	44	F	54	2,5
SF-4M 300 B	230	50/60	72/87	0,32/0,38	2,5	1300/1450	1700/1900	50	F	54	4
SFX-4M 300 B	230	50/60	100/120	05/0,54	3,5	1450/1710	1900/2240	50	F	54	4
SF-4M 350 B	230	50/60	165/195	0,75/0,85	4	1380/1545	3300/3700	55	F	54	4,7
SF-4M 400 B	230	50/60	160/220	0,75/1,1	5	1400/1650	4000/4700	58	F	54	6,1
SF-4M 450 B	230	50/60	245/355	1,2/1,6	7	1400/1600	5700/6500	63	F	54	6,9
SFX-6M 450 B	230	50/60	165/220	0,75/0,95	4	910/1025	4575/5225	55	F	54	6,9
SF-4M 500 B	230	50/60	450/600	1,98/2,65	10	1300/1450	6900/7700	65	F	55	9,5
SFX-4M 500 B	230	50	750	3,28	16	1260	9250	66	F	55	10,5
SFX-6M 500 B	230	50/60	220/275	0,99/1,2	6,3	850	6240	58	F	55	10,5
SFX-4M 560 B	230	50	1000	4,8	12,5	1250	11000	81	F	55	15
SFX-6M 560 B	230	50	450	2	10	875	8000	62	F	55	15
SFX-6M 630 B	230	50/60	630/750	2,9	12,5	850	11000	65	F	55	18
SFX-4T 300 B	Y380/Δ220	50/60	90/108	0,29/0,52	-	1450/1710	1900/2240	50	F	54	4
SF-4T 350 B	Y380/Δ220	50/60	160/170	0,33/0,58	-	1380/1545	3300/3700	55	F	54	4,7
SF-4T 400 B	Y380/Δ220	50/60	140/190	0,47/0,8	-	1400/1650	4000/4700	58	F	54	6,1
SF-4T 450 B	Y380/Δ220	50/60	200/285	0,5/0,55	-	1400/1600	5700/6500	63	F	54	6,9
SF-4T 500 B	380 Δ / Y	50	425/250	0,87/0,45	-	1300/1000	6900/5300	65	F	55	9,5
SFX-4T 500 B	380 Δ / Y	50	800/550	1,6/0,95	-	1260/1000	9250/7340	66	F	55	10,5
SFX-8T 500 B	380 Δ / Y	50/60	150/85	0,40/0,15	-	650/550	4770/4040	52	F	55	10,5
SFX-4T 560 B	380 Δ / Y	50	1200/800	2,6/1,5	-	1325/1050	12000/9500	68	F	55	15
SFX-6T 560 B	380 Δ / Y	50	500/300	1/0,5	-	875/650	8000/5950	62	F	55	15
SFX-6T 630 B	380 Δ / Y	50/60	600/400 720/475	1,25/0,70 1,37/0,73	-	850/650 900/695	11000/8400 11650/9000	65 67	F	54	18
SF-4M 250 S	230	50/60	50/60	0,22/0,26	2	1400/1670	1000/1190	44	F	54	2,5
SF-4M 300 S	230	50/60	72/87	0,32/0,38	2,5	1300/1450	1700/1900	50	F	54	4
SFX-4M 300 S	230	50/60	100/120	05/0,54	3,5	1450/1710	1900/2240	50	F	54	4
SF-4M 350 S	230	50/60	165/195	0,75/0,85	4	1380/1545	3300/3700	55	F	54	4,7
SF-4M 400 S	230	50/60	160/220	0,75/1,1	5	1400/1650	4000/4700	58	F	54	6,1
SF-4M 450 S	230	50/60	245/355	1,2/1,6	7	1400/1600	5700/6500	63	F	54	6,9
SFX-6M 450 S	230	50/60	165/220	0,75/0,95	4	910/1025	4575/5225	55	F	54	6,9
SF-4M 500 S	230	50/60	450/600	1,98/2,65	10	1300/1450	6900/7700	65	F	55	9,5
SFX-4M 500 S	230	50	750	3,28	16	1260	9250	66	F	55	10,5
SFX-6M 500 S	230	50/60	220/275	0,99/1,2	6,3	850	6240	58	F	55	10,5
SFX-4M 560 S	230	50	1000	4,8	12,5	1250	11000	81	F	55	15
SFX-6M 560 S	230	50	450	2	10	875	8000	62	F	55	15
SFX-6M 630 S	230	50/60	630/750	2,9	12,5	850	11000	65	F	55	18
SFX-4T 300 S	Y380/Δ220	50/60	90/108	0,29/0,52	-	1450/1710	1900/2240	50	F	54	4
SF-4T 350 S	Y380/Δ220	50/60	160/170	0,33/0,58	-	1380/1545	3300/3700	55	F	54	4,7
SF-4T 400 S	Y380/Δ220	50/60	140/190	0,47/0,8	-	1400/1650	4000/4700	58	F	54	6,1
SF-4T 450 S	Y380/Δ220	50/60	200/285	0,5/0,55	-	1400/1600	5700/6500	63	F	54	6,9
SF-4T 500 S	380 Δ / Y	50	425/250	0,87/0,45	-	1300/1000	6900/5300	65	F	55	9,5
SFX-4T 500 S	380 Δ / Y	50	800/550	1,6/0,95	-	1260/1000	9250/7340	66	F	55	10,5
SFX-8T 500 S	380 Δ / Y	50/60	150/85	0,40/0,15	-	650/550	4770/4040	52	F	55	10,5
SFX-4T 560 S	380 Δ / Y	50	1200/800	2,6/1,5	-	1325/1050	12000/9500	68	F	55	15
SFX-6T 560 S	380 Δ / Y	50	500/300	1/0,5	-	875/650	8000/5950	62	F	55	15
SFX-6T 630 S	380 Δ / Y	50/60	600/400 720/475	1,25/0,70 1,37/0,73	-	850/650 900/695	11000/8400 11650/9000	65 67	F	54	18

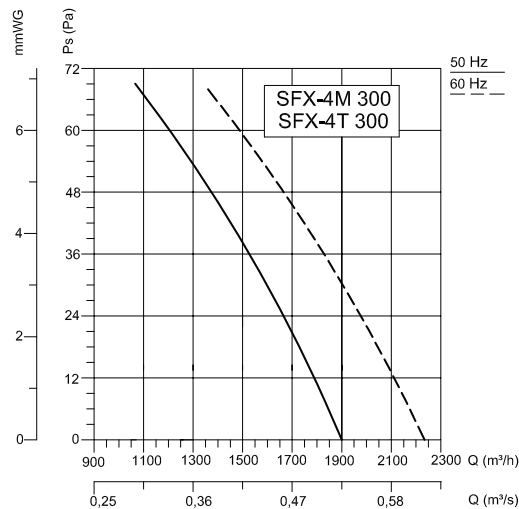
Sound Level Measured from 3m distance in room condition.



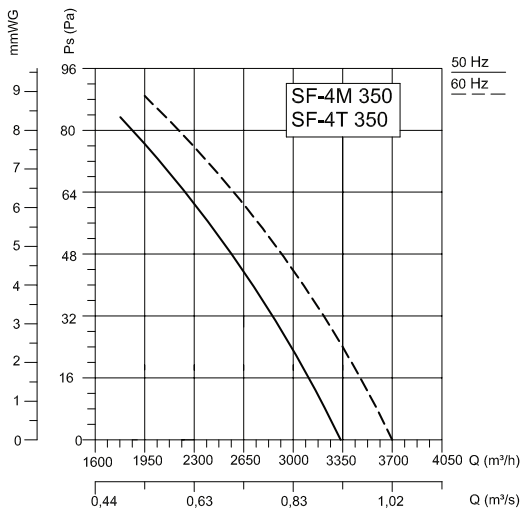
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L _{WA} Inlet	51	22	40	46	44	45	42	23		dB(A)



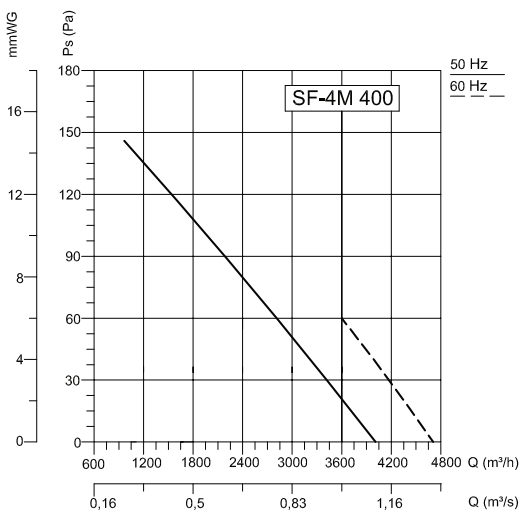
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L _{WA} Inlet	51	22	40	46	44	45	42	23		dB(A)



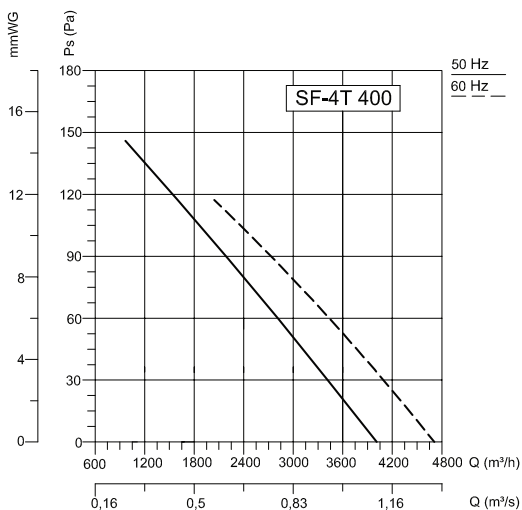
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L _{WA} Inlet	58	30	48	53	51	52	49	32		dB(A)



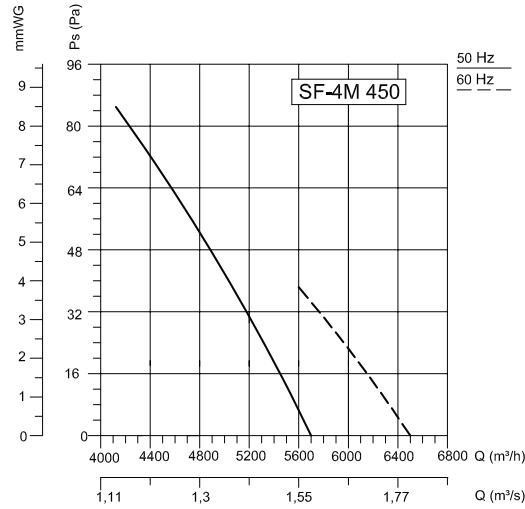
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L _{WA} Inlet	62	43	52	53	55	57	55	54		dB(A)



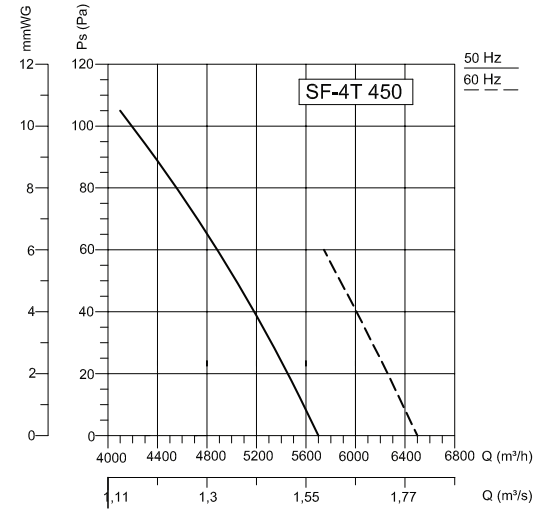
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L _{WA} Inlet	65	56	53	59	57	59	59	47		dB(A)



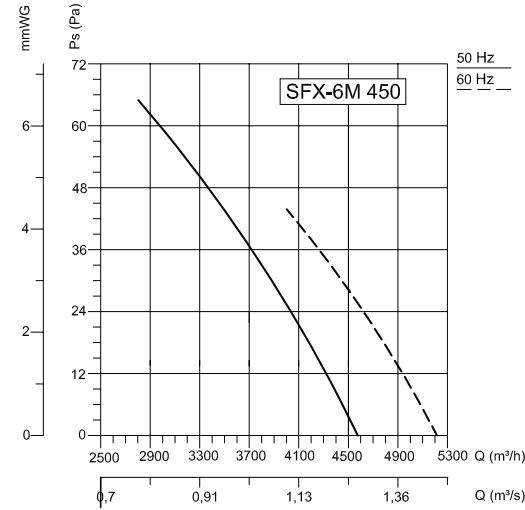
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L _{WA} Inlet	65	56	53	59	57	59	59	47		dB(A)



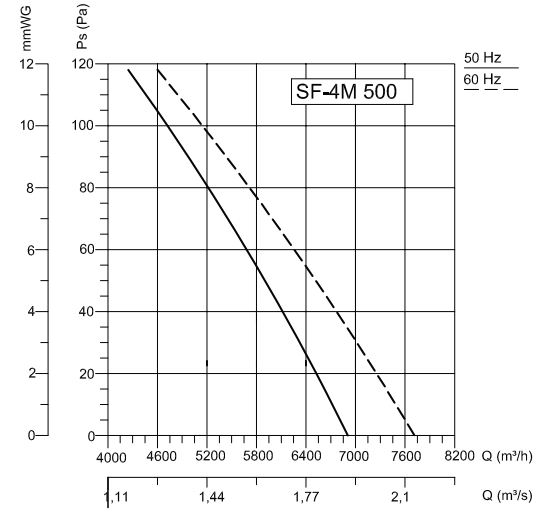
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L _{WA} Inlet	70	51	60	62	65	65	53	51		dB(A)



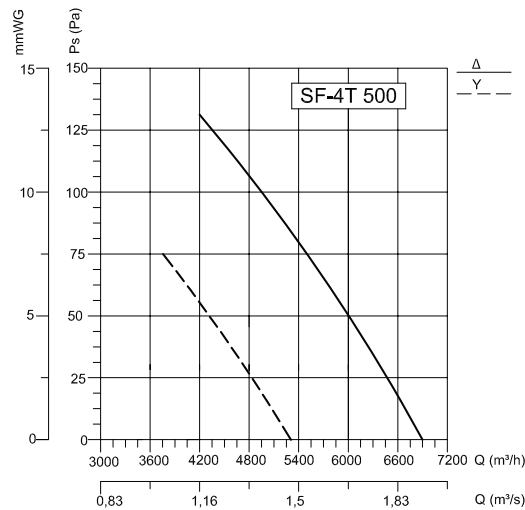
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L _{WA} Inlet	70	51	60	62	65	65	53	51		dB(A)



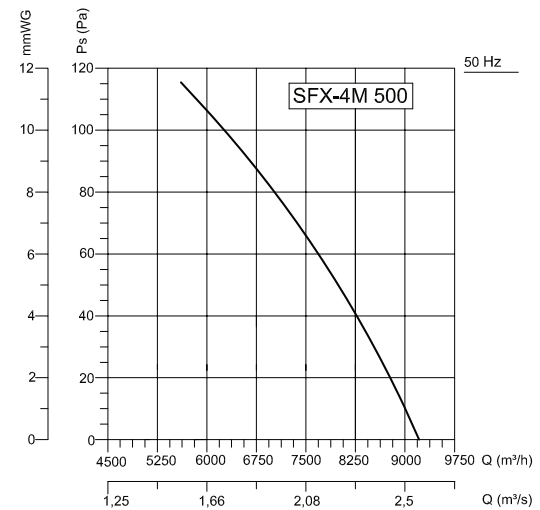
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L _{WA} Inlet	62	43	52	53	55	57	55	54		dB(A)



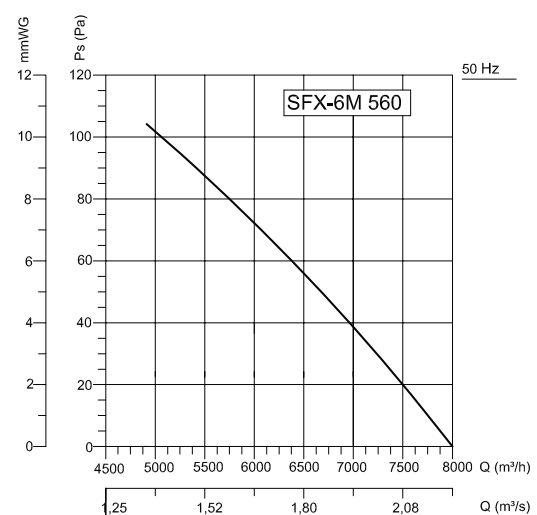
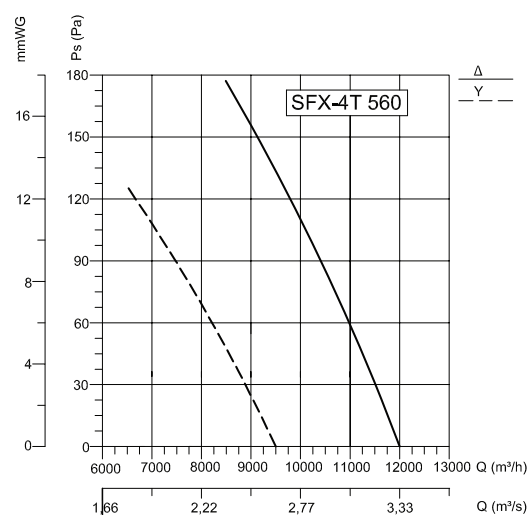
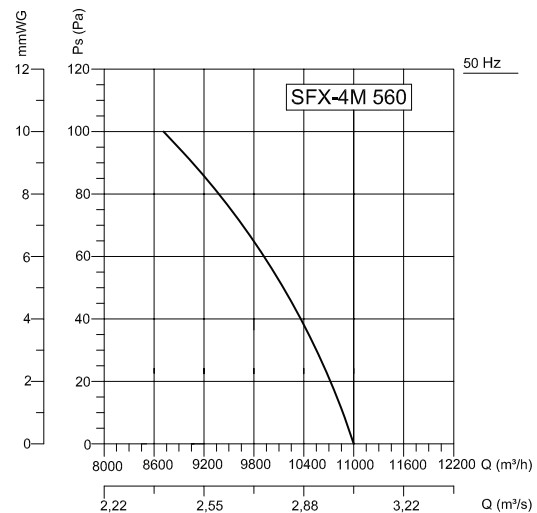
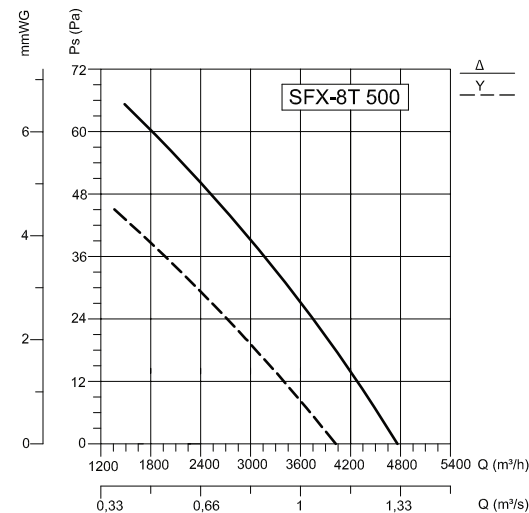
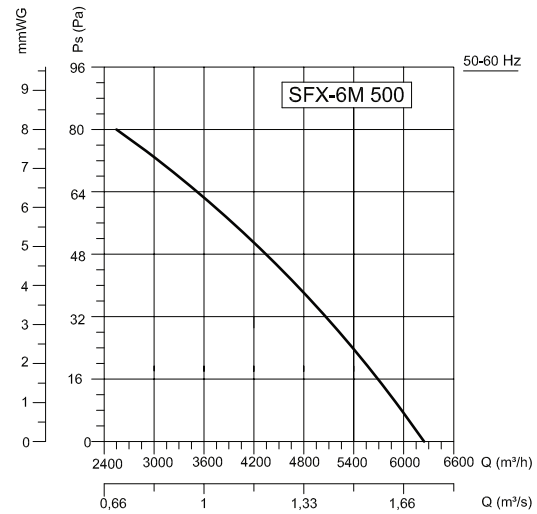
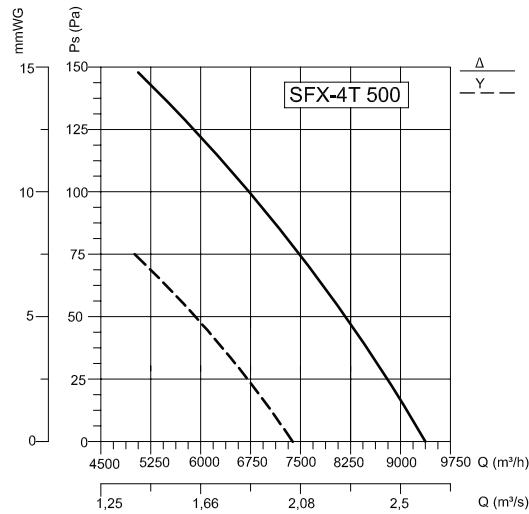
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L _{WA} Inlet	72	53	61	63	66	67	65	53		dB(A)

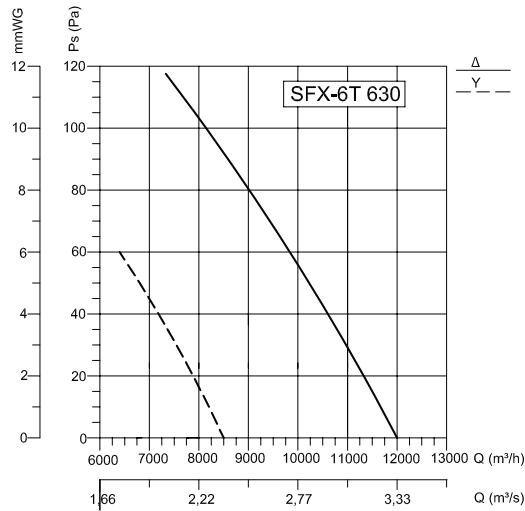
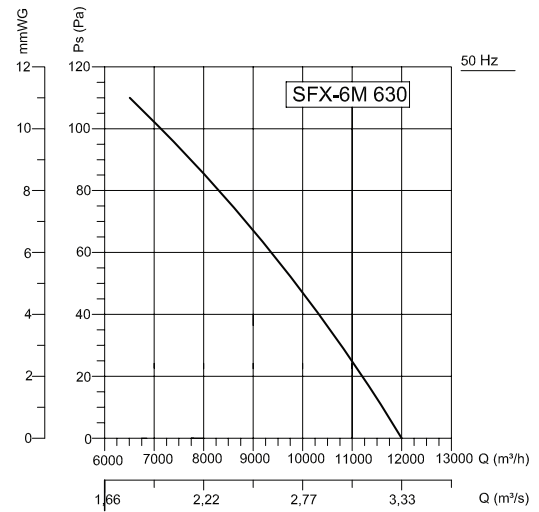
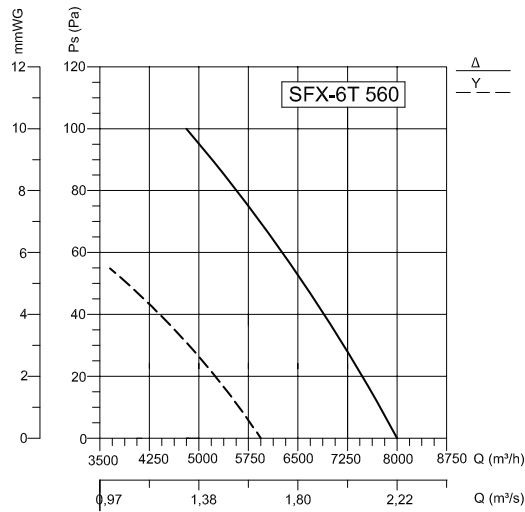


Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L _{WA} Inlet	72	53	61	63	66	67	65	53		dB(A)



Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L _{WA} Inlet	73	54	62	64	67	68	66	54		dB(A)







BDRAX

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 windows and wall.

Speed Control

Optional control devices can be provided.

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

Usage Areas

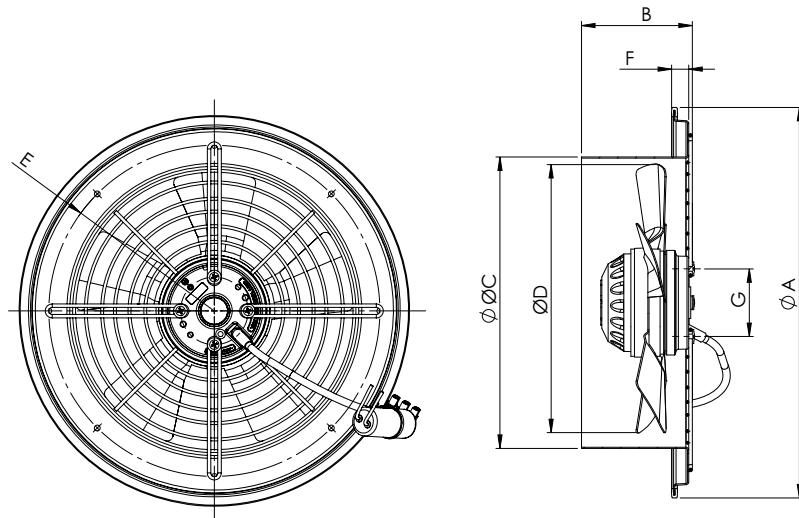
It is used for exhausting indoor air or for the need for fresh air. It is also used for air circulation by machine manufacturers.

Accessories



BSC

Technical Drawing and Tables

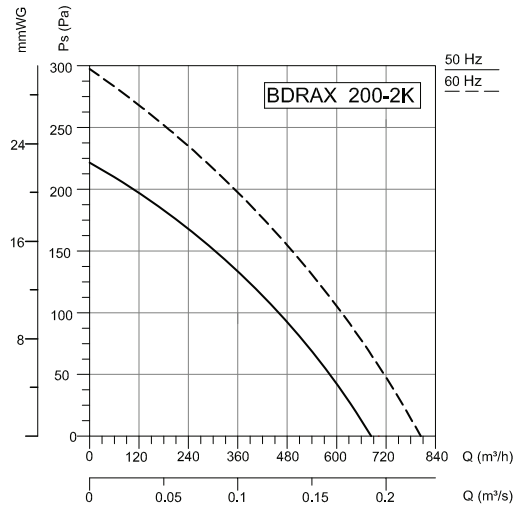


TYPE	A	B	C	D	E	F	G
BDRAX 200-2K	284	95	200	189	229	14	58
BDRAX 200-4K	284	95	200	189	229	14	58
BDRAX 250-2K	335	95	250	238	284	14	58
BDRAX 250-4K	335	95	250	238	284	14	58
BDRAX 300-2K	390	95	300	288	332	14	58
BDRAX 300-4K	390	95	300	288	332	14	58
BDRAX 350-2K	427	100	350	338	398	2	58
BDRAX 350-4K	427	100	350	338	398	2	58

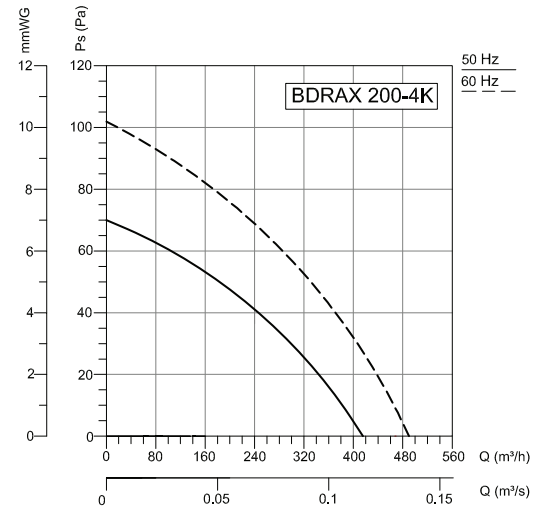
Dimensions are in (mm)

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
BDRAX 200-2K	230	50/60	63	0,28	2	2750/3200	680/790	50	B	44	2
BDRAX 200-4K	230	50/60	55	0,26	2	1450/1750	407/490	40	B	44	2,2
BDRAX 250-2K	230	50/60	100	0,5	4	2700/3100	1500/1700	55	B	44	2,7
BDRAX 250-4K	230	50/60	55	0,28	1,5	1400/1680	760/910	41	B	44	2,7
BDRAX 300-2K	230	50/60	140/190	0,6/0,85	5	2600/2800	2020/2175	57	B	44	3,5
BDRAX 300-4K	230	50/60	65	0,29	2	1360/1550	1410/1600	47	B	44	3,5
BDRAX 350-2K	230	50/60	200	0,9	5	2050	3110	62	B	44	4,6
BDRAX 350-4K	230	50/60	75/100	0,32/0,45	3	1330/1500	2340/2640	52	B	44	4,6

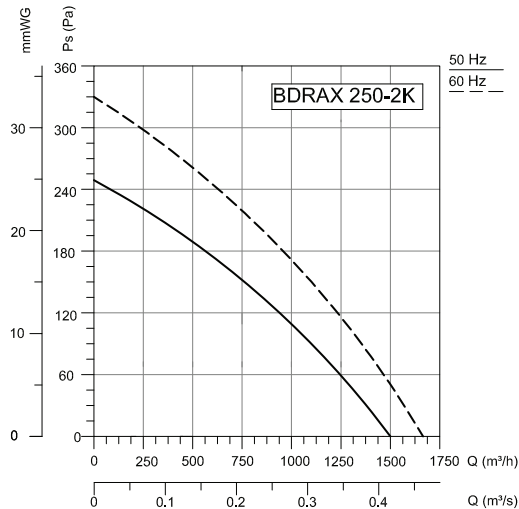
The sound level is measured at a distance of 3 m in open field condition.



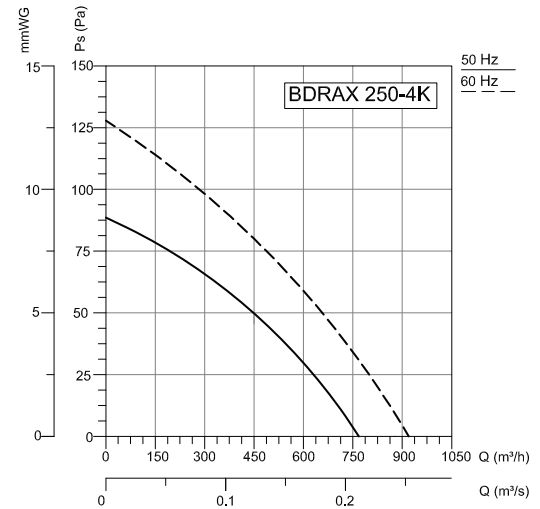
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
SURROUNDING	71	38	43	64	64	65	64	58	50	dB(A)



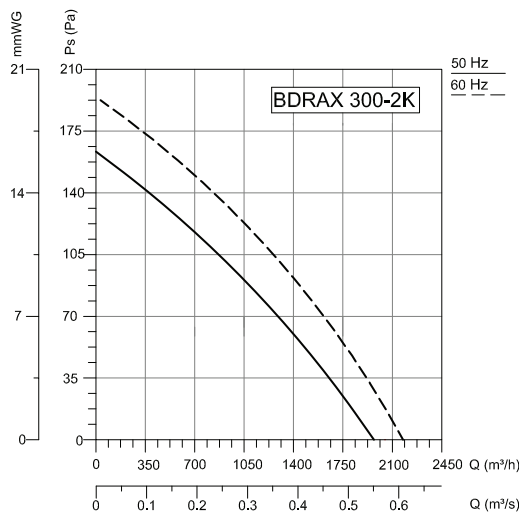
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L _{WA} Surrounding	61	27	32	54	54	55	54	48	39	dB(A)



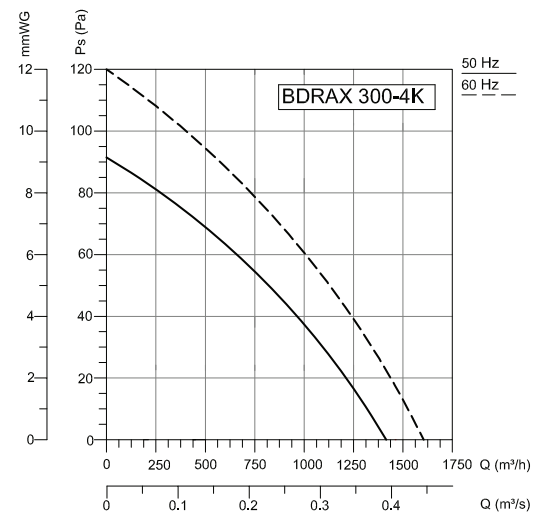
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L _{WA} Surrounding	76	44	51	66	66	70	71	67	62	dB(A)



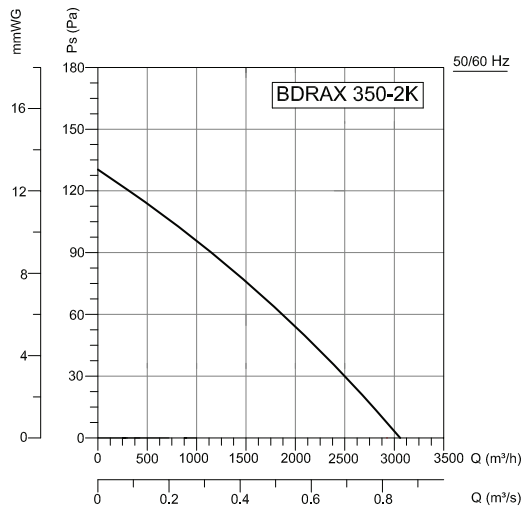
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L _{WA} Surrounding	62	30	37	52	51	56	57	53	48	dB(A)



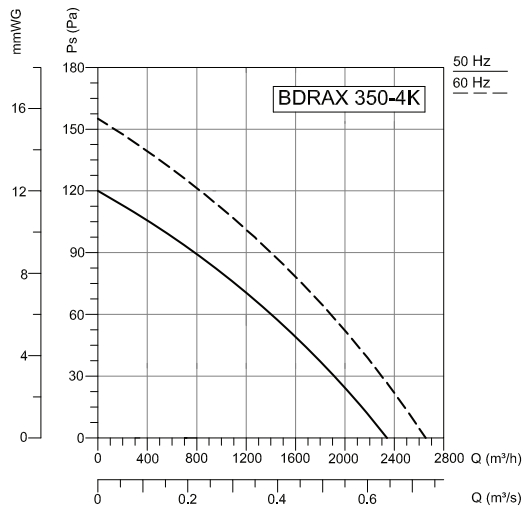
Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L _{WA} Surrounding	78	46	53	68	68	72	73	69	64	dB(A)



Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L _{WA} Surrounding	68	39	51	54	63	63	63	58	48	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)



Frequency	Tot	63	125	250	500	1000	2000	4000	8000	Hz
L _{WA} Surrounding	73	38	54	58	64	70	68	63	50	dB(A)

