RADIAL FANS CATALOGUE

BVN®
VENTILATION SYSTEMS & ELECTRICAL MOTORS

www.bvnair.com

GENERAL INFORMATIONS

BVN GLOBAL

We invite you to the world of Ventilation and Air Conditioning;
We offer the most efficient fan and Control systems to make your living spaces more reliable and comfortable.

From 1992 until today, BVN has been manufacturing electric motors and fans for various applications. Istanbul based production area of 30.000 m2, 400 experienced employees and has structuring in 72 countries with Global Brand Of Turkey! www.bvnair.com

We are registering our High Quality With Our Promises And Also Documents!

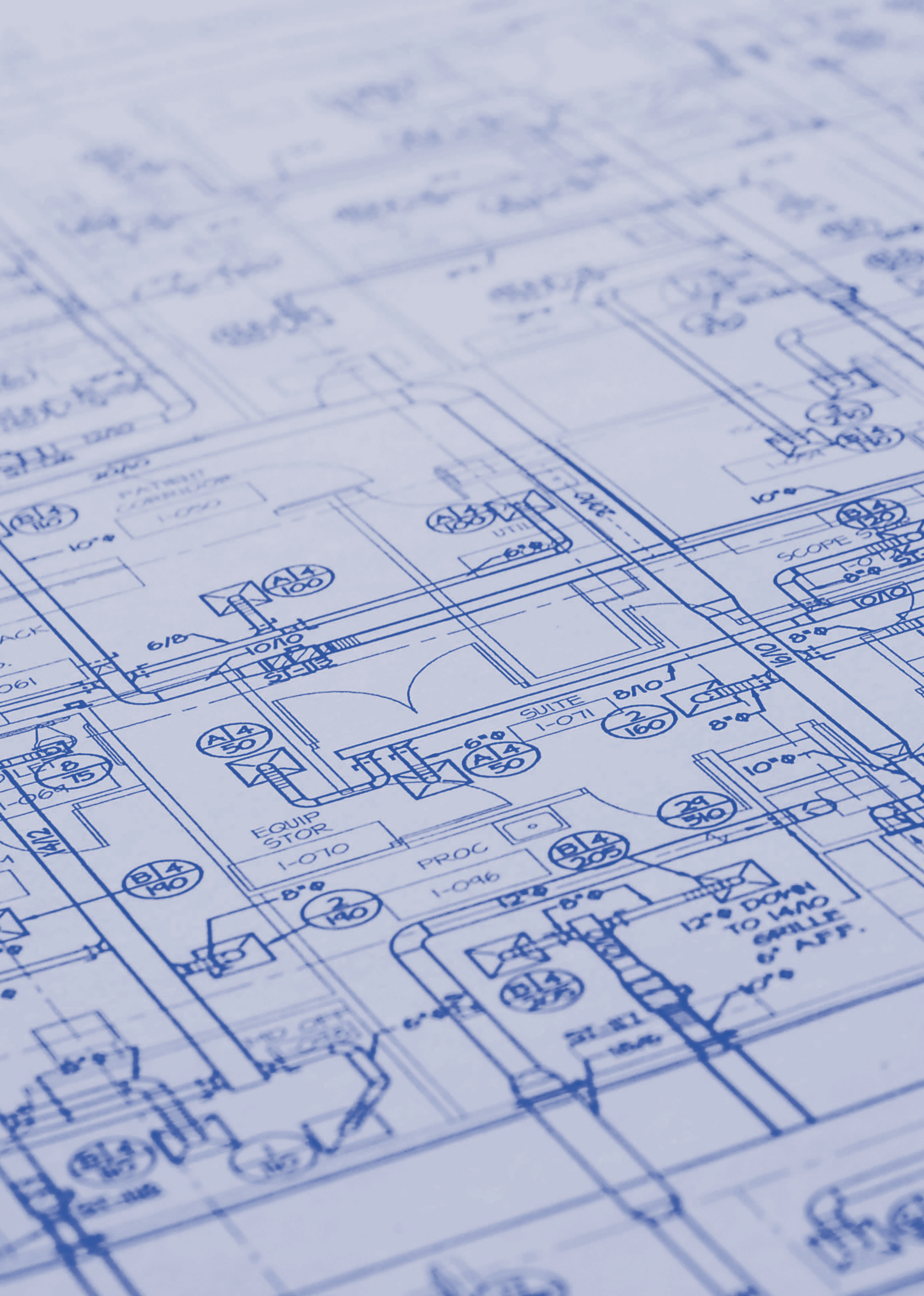
BVN certificated its quailty with ISO 9001, ISO 14001, ISO 18001. BVN Products Follows International Standards Such as ISO and AMCA, also develops the most modern laboratory equipments and improve with the advanced technology softwares.

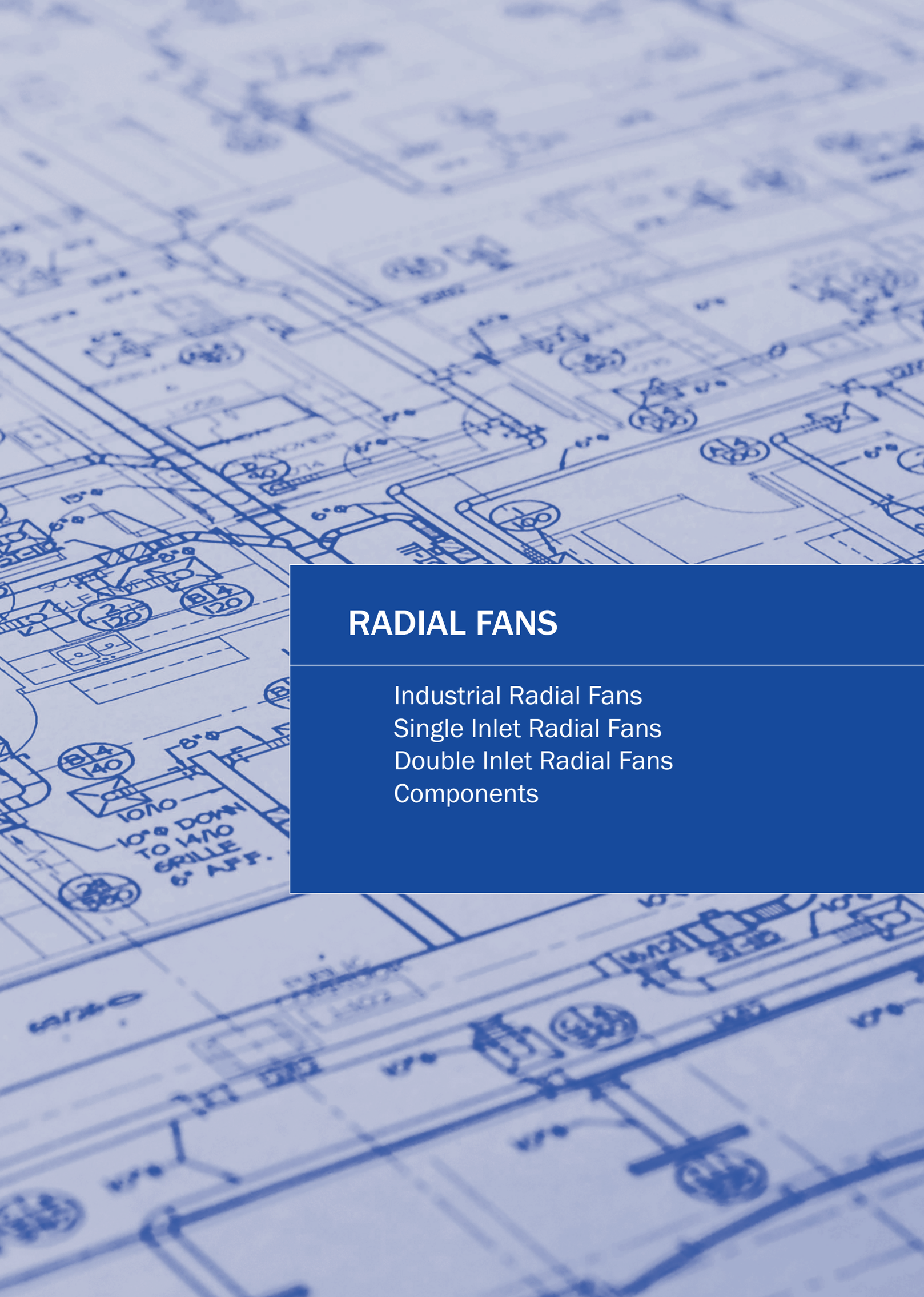
*TSE, CE Mark, UKR SEPRO, PCT GOST, ROHS Requirements are the standarts of BVN Products.

Our Smoke Exhaust Fans has the Fire Endurance certificates F300/H2 and F400/H2 taken from International Test Labrotories.

Before Packacing For the Each Product We deliver, We test our products performance and safety for you to use with peace.

Our Exproof Fans has the Atex Certificate.


EQUIP
STOR
1-070
PROC
1-096
SUITE
1-071
12" Ø DOWN
TO 14/10
GRILLE
6" A.F.F.



RADIAL FANS

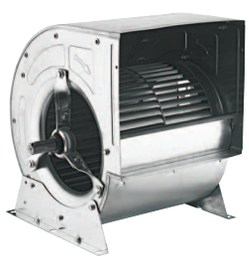
Industrial Radial Fans
Single Inlet Radial Fans
Double Inlet Radial Fans
Components

RADIAL FANS

Radial fans with their high-pressure properties and high efficiency, are suitable for use in applications like duct fans, air handling units, heating-cooling applications and industrial ventilation.

IMPELLER TYPE

FORWARD CURVED



BACKWARD CURVED

HOUSING TYPE

PLASTIC CASED

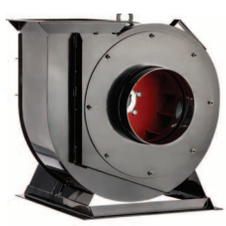
METAL CASED

ALUMINIUM CASED

MOTOR TYPE

EXTERNAL ROTOR MOTOR

INTERNAL ROTOR MOTOR



SUCTION POSITION

SINGLE INLET

DOUBLE INLET

ALÇ

INDUSTRIAL RADIAL FANS / Backward Curved

Fan Components and Material Properties

The body is made of high quality galvanized sheet steel. The ALÇ 315-400 models are made of high quality galvanized steel which is resistant to corrosion. ALÇ 450-560 models are made of aluminum sheet. All models have an asynchronous motor and have air flow at max.120°C.

Fan Structure

Single suction, low pressure radial fan type. The fan blades are aerodynamically curved and provide regular flow. The fans are composed of backward sloping and infrequently arranged fins.

Benefits

With the screwing system, the frame can be easily rotated to the desired shooting position.

They are able to provide high air flow rates at nominal static pressures. Thanks to the aerodynamic wing structure, they work quietly. Speed can be adjusted with speed control devices. The motor housing protects the electric motor from external influences.

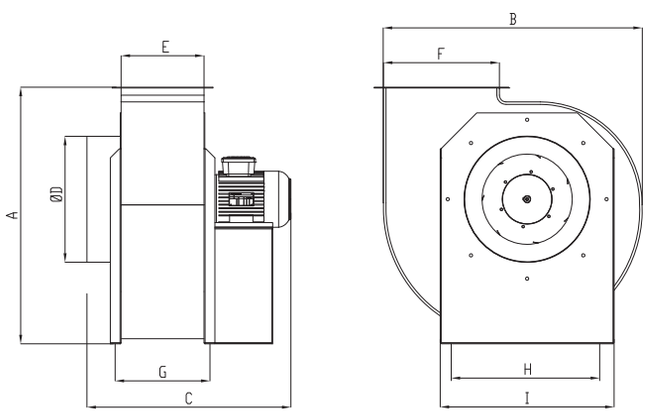
Speed Control

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

Usage Areas

In factories, workshops and factories etc. ventilation is used where required. It is suitable for smoke extraction and exhaust air exhaust filter.

Technical Drawing and Tables

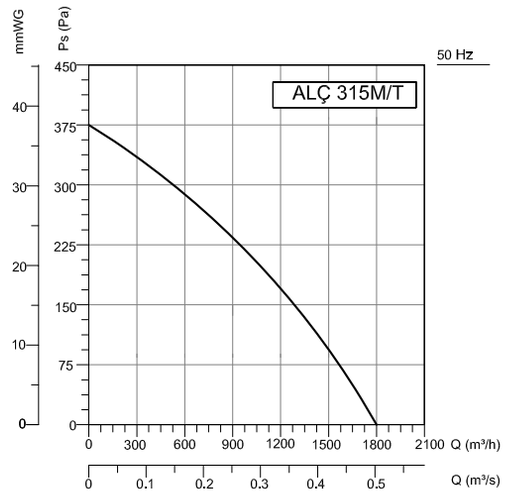


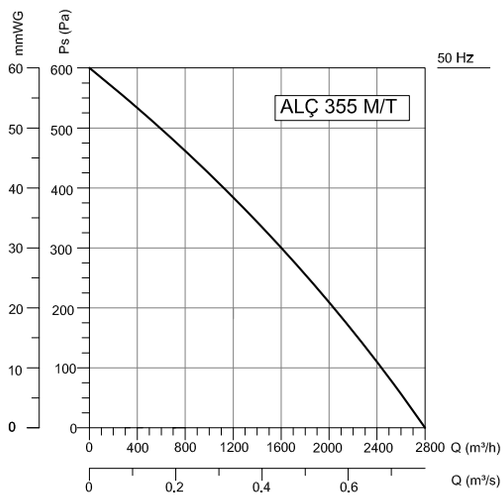
TYPE	A	B	C	D	E	F	G	H	I
ALÇ 315	560	567	490	250	185	256	219	320	380
ALÇ 355	645	639	495	300	192	286	224	359	419
ALÇ 400	714	720	525	350	211	316	245	424	484
ALÇ 450	792	810	565	350	232	356	264	465	525
ALÇ 500	889	906	660	427	290	400	322	524	584
ALÇ 560	996	1015	745	470	318	448	349	604	704

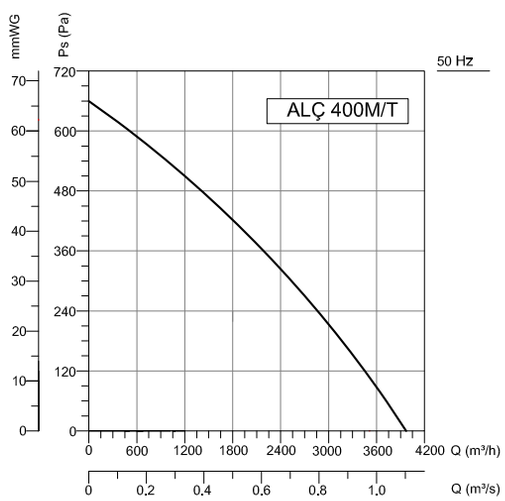
Dimensions are in (mm)

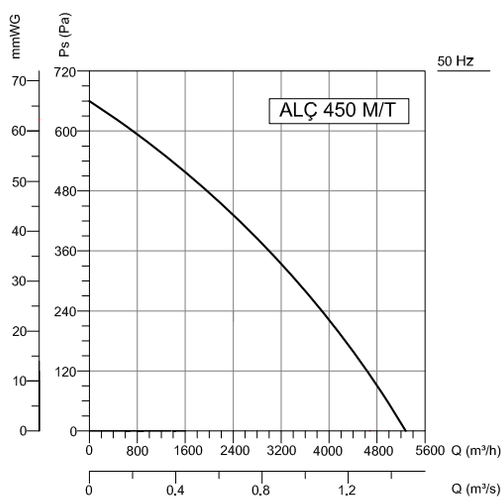
TYPE	VOLTAGE	FREQUENCY	POWER	CURRENT	CAPACITOR	SPEED	AIR FLOW	SOUND PRESSURE	INSULATION CLASS	PROTECTION CLASS	WEIGHT
	V	Hz	kW	(A)	(µF)	r.p.m	m^3/h	dB(A)	Ins.cl.	IP	kg
ALÇ 315M	230	50	0,25	2,1	10	1380	1800	37-29	F	55	41
ALÇ 355M	230	50	0,25	2,1	10	1380	2800	41-33	F	55	53
ALÇ 400M	230	50	0,37	3,4	15	1390	4000	42-34	F	55	64
ALÇ 450M	230	50	0,55	4,5	20	1365	5300	45-37	F	55	70
ALÇ 500M	230	50	1,1	7,5	35	1410	8000	49-42	F	55	90
ALÇ 560M	230	50	2,2	14,2	50	1420	10000	52-44	F	55	103
ALÇ 315T	380	50	0,25	0,87	-	1380	1800	37-29	F	55	41
ALÇ 355T	380	50	0,25	0,87	-	1380	2800	41-33	F	55	53
ALÇ 400T	380	50	0,37	1,2	-	1390	4000	42-34	F	55	64
ALÇ 450T	380	50	0,55	1,6	-	1365	5300	45-37	F	55	70
ALÇ 500T	380	50	1,1	2,6	-	1410	8000	49-42	F	55	90
ALÇ 560T	380	50	2,2	4,9	-	1420	10000	52-44	F	55	103

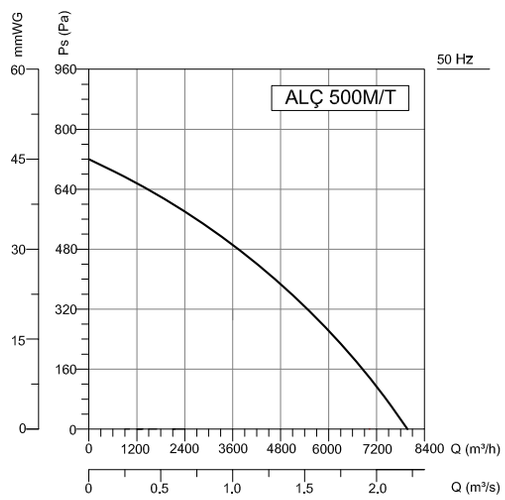
The sound level is measured at a distance of 4-10 m in open field condition.

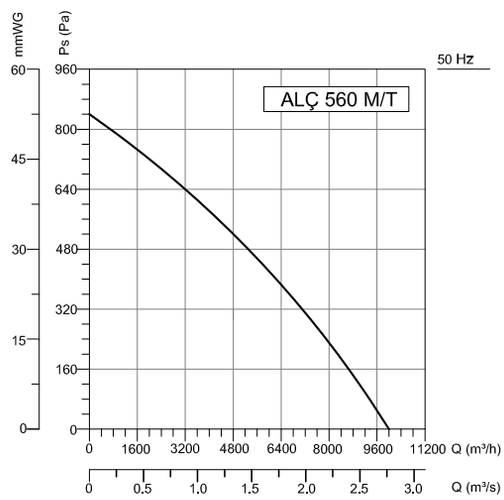






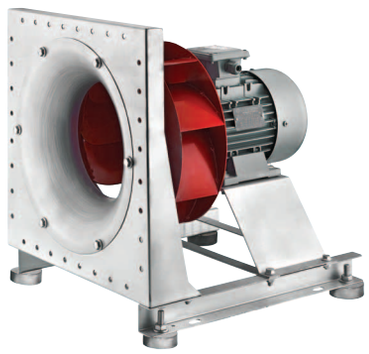






Accessories

BSC-F BYH BESB BTY BYKS BDEB



BPF

INDUSTRIAL RADIAL FANS / PLUG / Backward Curved

Fan Components and Material Properties

The body is made of high quality galvanized steel which is resistant to corrosion. Fan blades are manufactured from electrostatic powder coated, backward curved and streamlined. The motor and fan impeller are connected to the main body by a steel base. All models have asynchronous motor. The motors are out of the air flow and can be optionally supplied without motors.

Fan Structure

The fan blades have optimum aerodynamic design to provide backward curved and regular flow. Made of welded fan blades.

Benefits

BPF (Spool Plug Fan) has a compact design with base and motor. Aerodynamic and acoustic sound insulation are at optimum value. Easy to clean and can be shot from all directions. Speed adjustable with speed control devices.

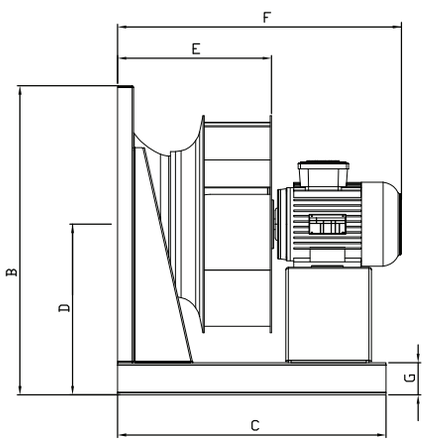
Speed Control

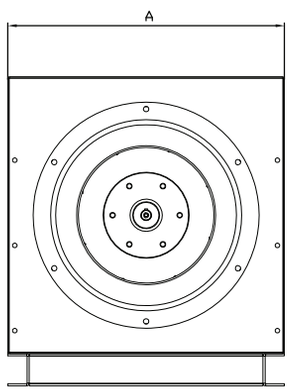
Optional control devices can be provided.
Speed control with frequency inverter can be done in 3~phase products (see BSC-F accessory)

Usage Areas

In industrial ventilation applications, air conditioners etc. used in places.

Technical Drawing and Tables



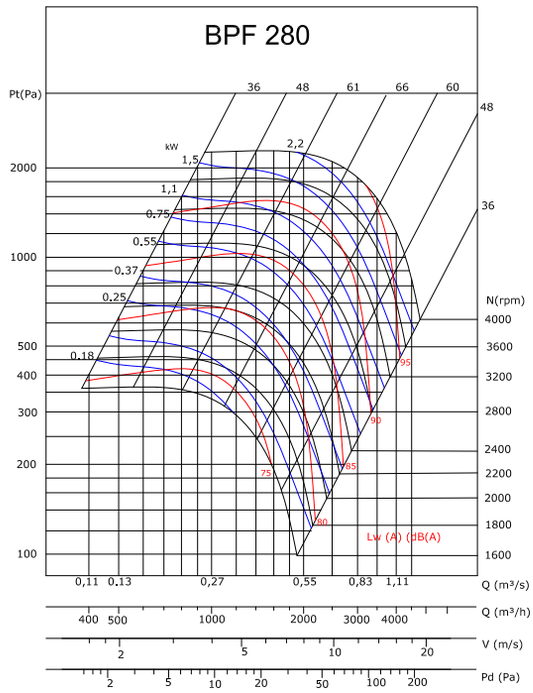


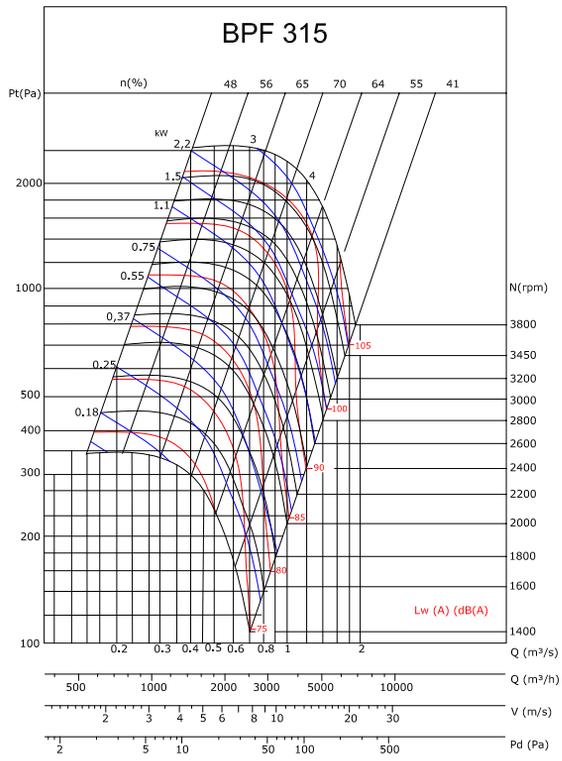
TYPE	A	B	C	D	E	F	G
BPF 280 (0,75)	390	440	450	245	210	435	50
BPF 315 (1,5)	430	490	480	275	235	480	60
BPF 355 (3)	470	530	500	295	260	565	60
BPF 400 (4)	515	575	600	318	285	650	60
BPF 450 (7,5)	582	642	600	351	315	705	60
BPF 500 (3)	645	705	650	383	350	680	60
BPF 560 (4)	715	775	700	418	385	705	60
BPF 630 (7,5)	800	863	865	463	403	850	60

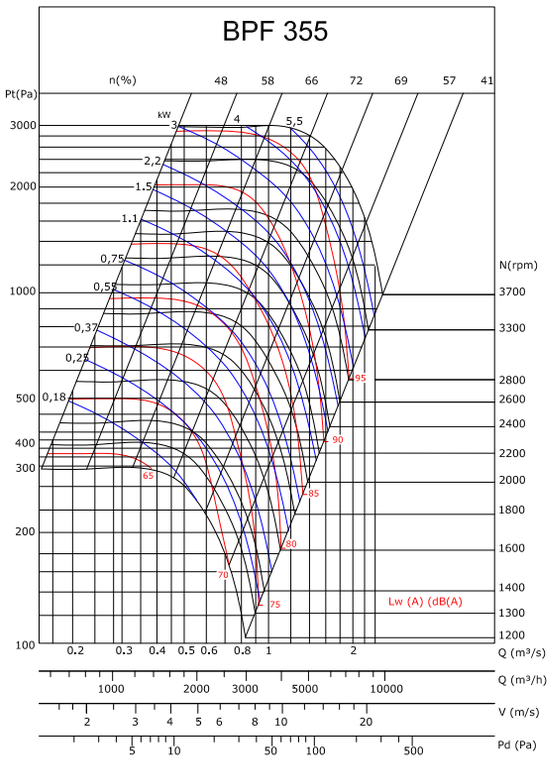
Dimensions are in (mm)

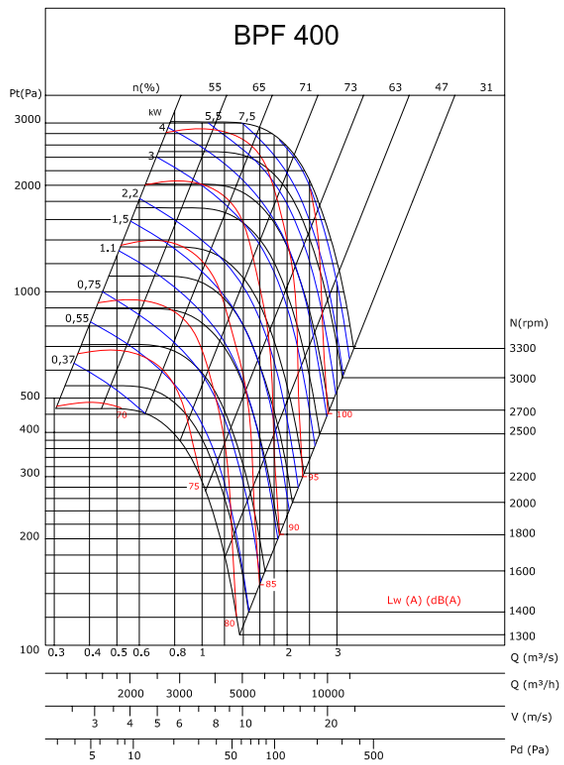
TYPE	VOLTAGE	FREQUENCY	POWER	SPEED	AIR FLOW	PRESSURE
	V	Hz	kW	r.p.m	m^3/h	dB(A)
BPF 280 (0,75)	230/380	50	0,75	2800	2500	550
BPF 315 (1,5)	230/380	50	1,5	2800	4000	700
BPF 355 (3)	380	50	3	2800	6000	800
BPF 400 (4)	380	50	4	2800	8000	800
BPF 450 (7,5)	380	50	7,5	2800	12000	900
BPF 500 (3)	380	50	3	1400	10000	380
BPF 560 (4)	380	50	4	1400	14000	400
BPF 630 (7,5)	380	50	7,5	1400	20000	800

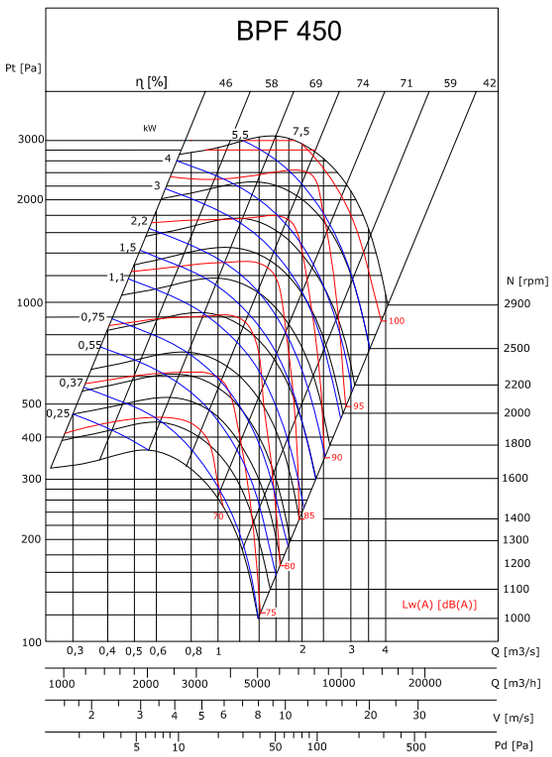
Sound Level Measured from 3m distance in room condition.

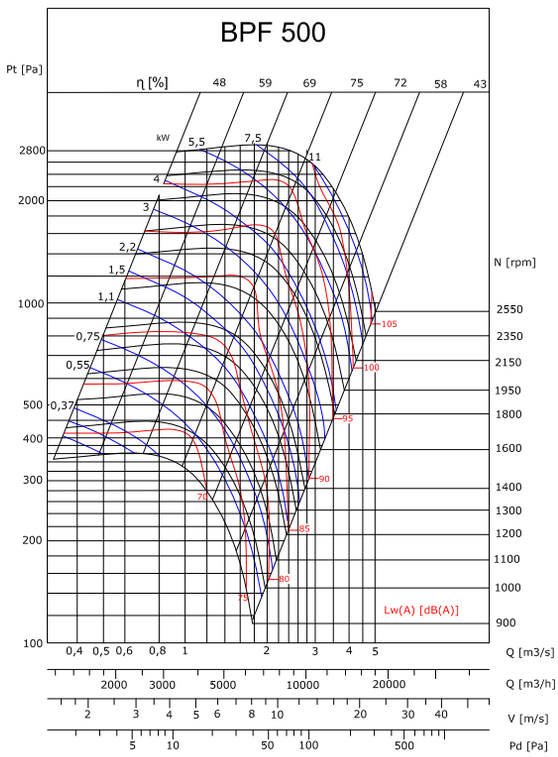

BPF 280
Pt(Pa)
kW
N(rpm)
Lw (A) (dB(A)
Q (m³/s)
Q (m³/h)
V (m/s)
Pd (Pa)

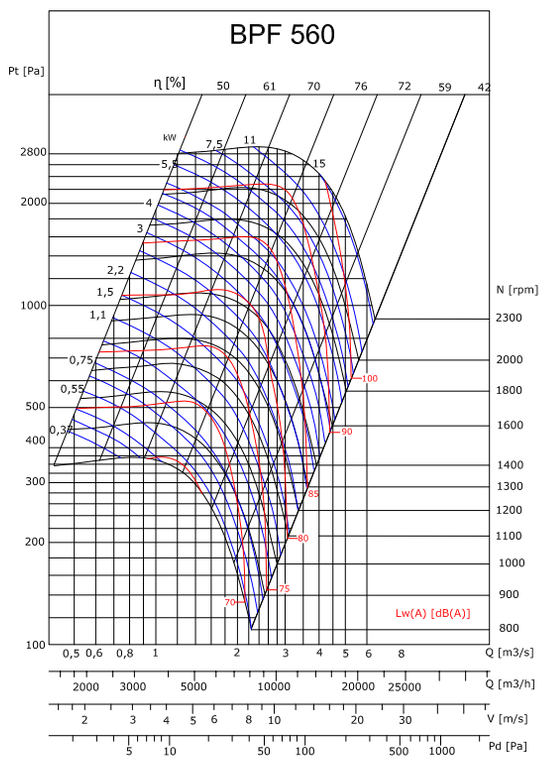

BPF 315
n(%)
Pt(Pa)
kW
N(rpm)
Lw (A) (dB(A)
Q (m³/s)
Q (m³/h)
V (m/s)
Pd (Pa)

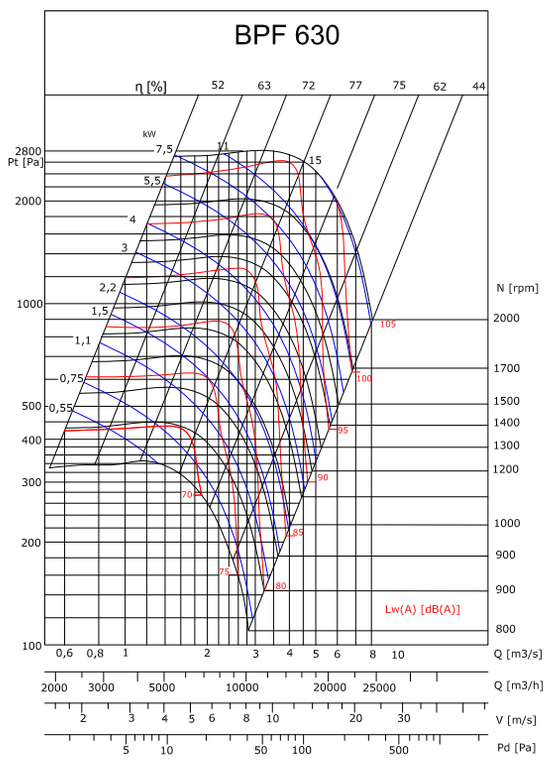

BPF 355
n(%)
Pt(Pa)
kW
N(rpm)
Lw (A) (dB(A)
Q (m³/s)
Q (m³/h)
V (m/s)
Pd (Pa)


BPF 400
n(%)
Pt(Pa)
kW
N(rpm)
Lw (A) (dB(A)
Q (m³/s)
Q (m³/h)
V (m/s)
Pd (Pa)







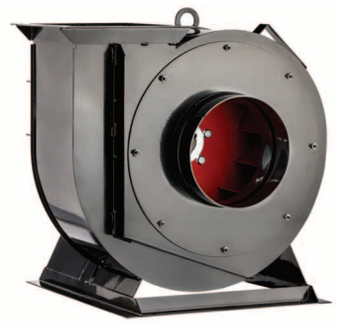


Accessories

BSC-F

BTY

BDEB



BGSS

INDUSTRIAL RADIAL FANS / Backward Curved

Fan Components and Material Properties
Body and fan are made of DKP steel sheet with electrostatic powder coating. All models have asynchronous motor. It is capable of carrying air at a temperature of Max.120ºC.

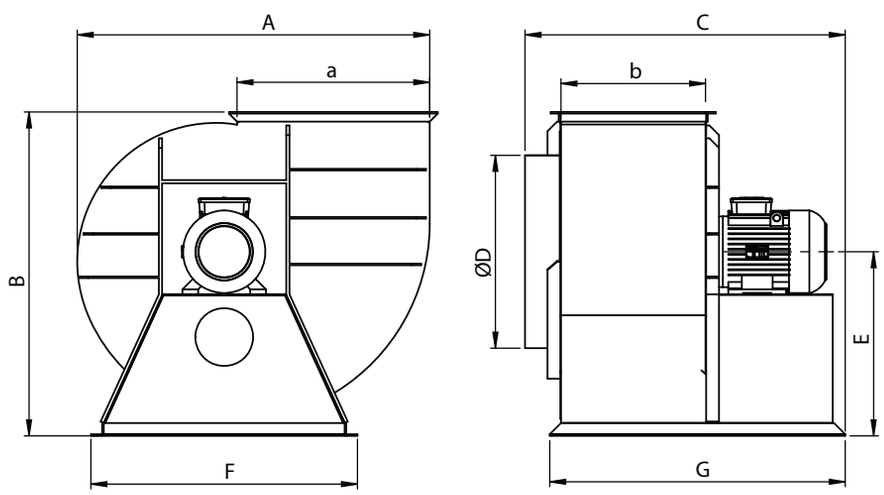
Fan Structure
Single suction, low pressure, radial fan type. The fan blades are aerodynamically curved and provide regular flow. Made of welded fan blades.

Benefits
They can give large amounts of air at low static pressures. 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
In the extraction of clean air, industrial areas, domestic and industrial air conditioning system, mine, tunnel ventilation, garbage storage and stables etc. It is used in areas such as the decomposition of odorous gases and toxic gases. It is suitable for smoke extraction and exhaust air exhaust filter.

Technical Drawing and Tables



TYPE	A	B	C	D	E	F	G	Outlet frame dimensions	
								a	b
BGSS 1	515	507	474	225	291	420	445	195	185
BGSS 2	580	584	495	260	325	460	460	225	205
BGSS 3	699	680	650	310	386	560	590	335	275
BGSS 4	782	760	685	350	435	635	615	377	300
BGSS 5	872	883	771	400	520	733	696	414	320
BGSS 6	925	900	826	450	515	755	755	436	350
BGSS 7	1040	1015	886	500	602	740	825	522	396
BGSS 8	1100	1008	997	600	573	830	920	588	450
BGSS 9	1130	1080	1047	650	632	990	980	588	500
BGSS 10	1272	1205	1176	700	703	1030	1105	664	550
BGSS 11	1390	1265	1219	750	763	980	1145	786	600
BGSS 12	1450	1365	1275	800	815	1050	1275	788	600
BGSS 13	1576	1465	1275	850	847	1160	1290	826	600

Dimensions are in (mm)

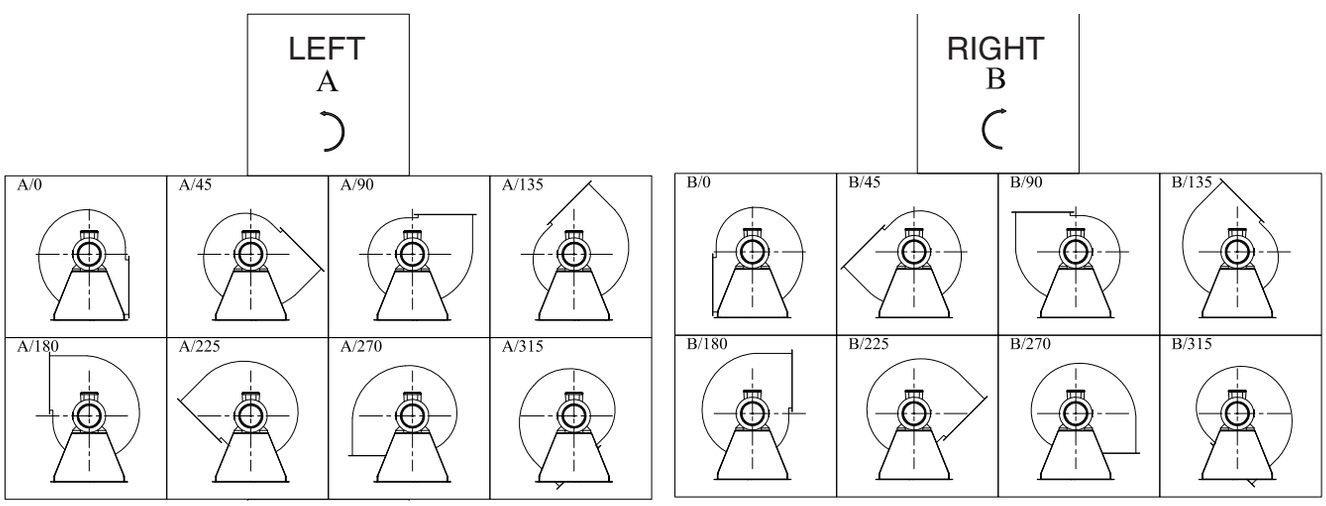
Accessories

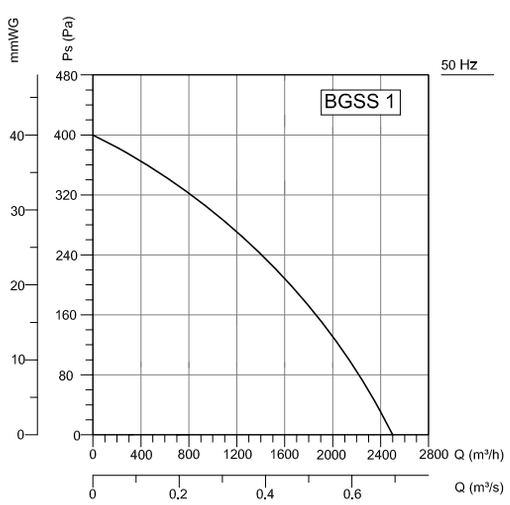
BSC-F BYH BESB BTY BYKS BDEB

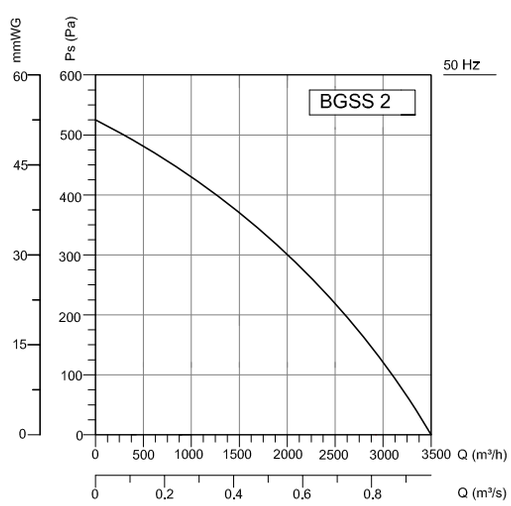
TYPE	VOLTAGE V	FREQUENCY Hz	POWER kW	CURRENT (A)	CAPACITOR (µF)	SPEED r.p.m	AIR FLOW m³/h	SOUND PRESSURE dB(A)	INSULATION CLASS Ins.cl.	PROTECTION CLASS IP	WEIGHT kg
BGSS 1M	230	50	0,25	2,1	10	1380	2500	70	F	55	67
BGSS 2M	230	50	0,55	3,3	20	1365	3500	72	F	55	78
BGSS 3M	230	50	0,75	5,4	30	1410	5000	75	F	55	91
BGSS 4M	230	50	1,5	9,8	50	1400	7000	85	F	55	104
BGSS 5M	230	50	2,2	14	60	1425	10000	88	F	55	145
BGSS 6M	230	50	3	20	60	1430	12000	92	F	55	158
BGSS 1T	380	50	0,25	0,87	-	1380	2500	70	F	55	67
BGSS 2T	380	50	0,55	1,6	-	1365	3500	72	F	55	78
BGSS 3T	380	50	0,75	1,92	-	1410	5000	75	F	55	91
BGSS 4T	380	50	1,5	3,5	-	1400	7000	85	F	55	104
BGSS 5T	380	50	2,2	4,9	-	1420	10000	88	F	55	145
BGSS 6T	380	50	3	6,7	-	1430	12000	92	F	55	158
BGSS 7T	380	50	4	8,4	-	1440	15000	95	F	55	175
BGSS 8T	380	50	5,5	11,5	-	1450	18000	98	F	55	225
BGSS 9T	380	50	7,5	16	-	1455	20000	100	F	55	240
BGSS 10T	380	50	11	21,3	-	1465	23000	102	F	55	255
BGSS 11T	380	50	15	29,4	-	1470	25000	103	F	55	325
BGSS 12T	380	50	18,5	34,5	-	1470	30000	105	F	55	375
BGSS 13T	380	50	22	43	-	1475	40000	105	F	55	410

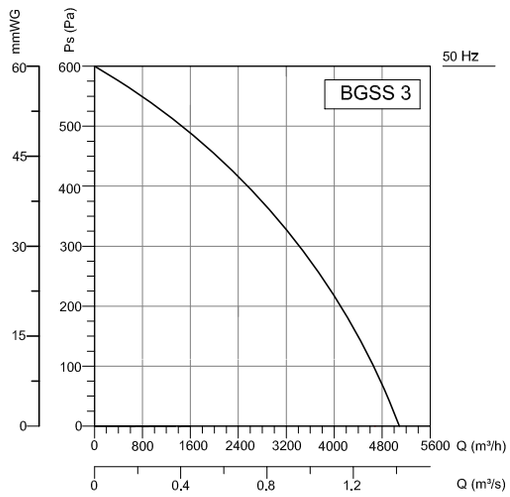
The sound level is measured at a distance of 3 m in open field condition.

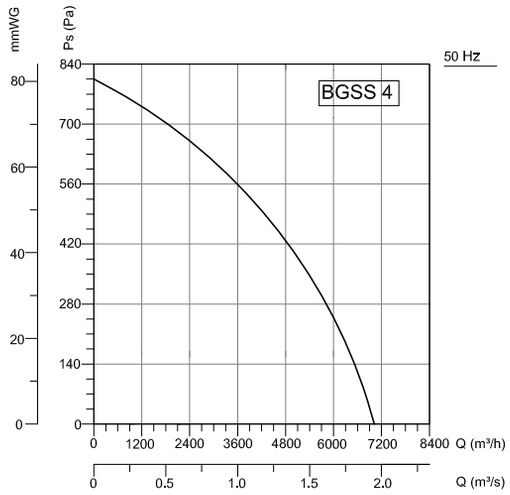
Fan Inlet-Outlet Position

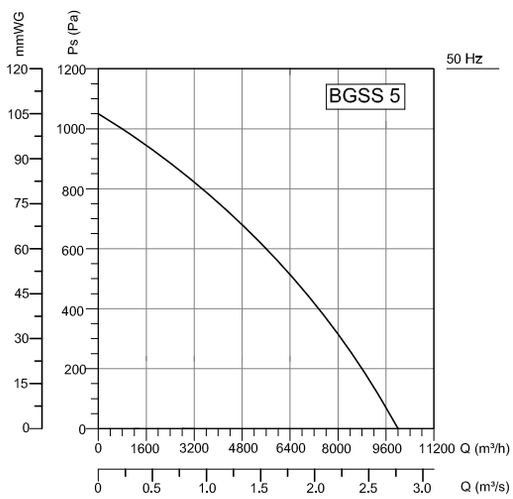


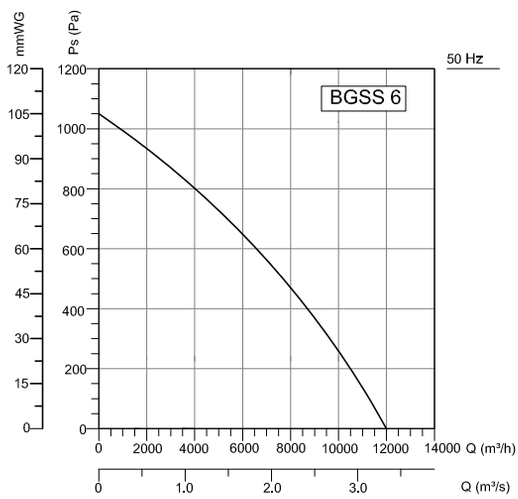


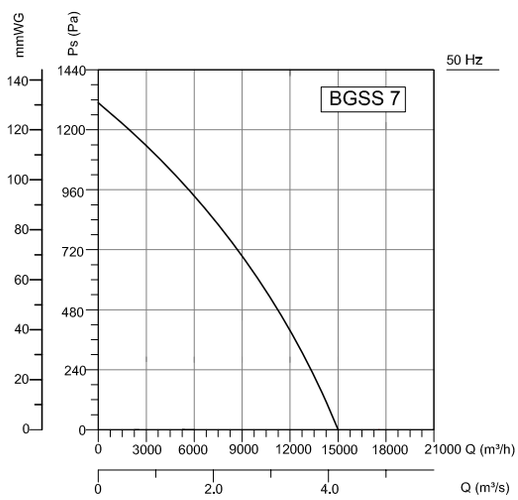


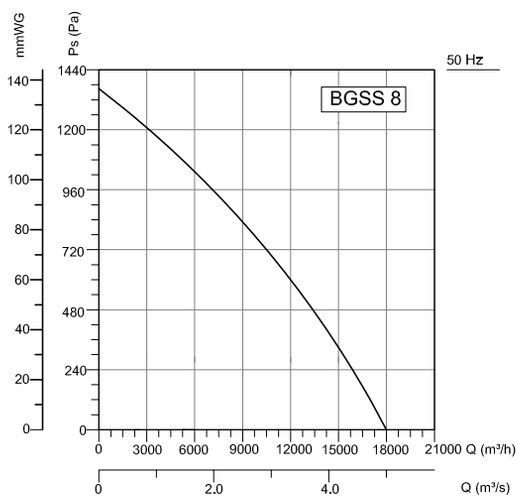

BGSS 3
50 Hz
mmWG
Ps (Pa)
0 15 30 45 60
0 100 200 300 400 500 600
0 800 1600 2400 3200 4000 4800 5600 Q (m³/h)
0 0.4 0.8 1.2 Q (m³/s)

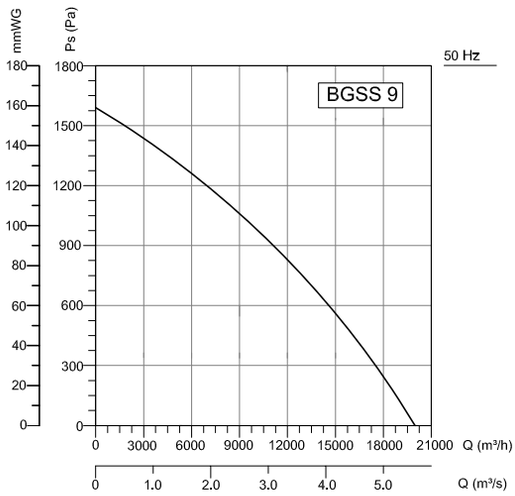

BGSS 4
50 Hz
mmWG
Ps (Pa)
0 20 40 60 80
0 140 280 420 560 700 840
0 1200 2400 3600 4800 6000 7200 8400 Q (m³/h)
0 0.5 1.0 1.5 2.0 Q (m³/s)

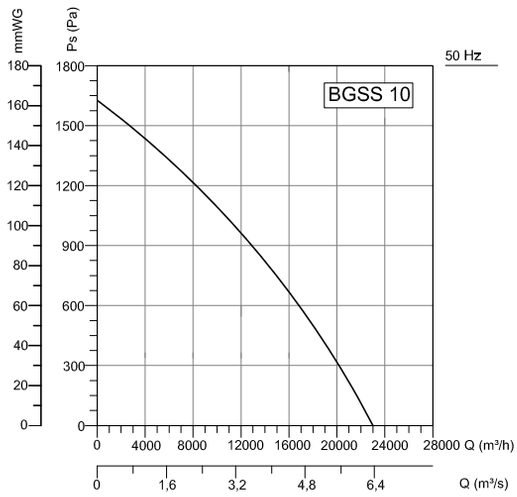

BGSS 5
50 Hz
mmWG
Ps (Pa)
0 15 30 45 60 75 90 105 120
0 200 400 600 800 1000 1200
0 1600 3200 4800 6400 8000 9600 11200 Q (m³/h)
0 0.5 1.0 1.5 2.0 2.5 3.0 Q (m³/s)

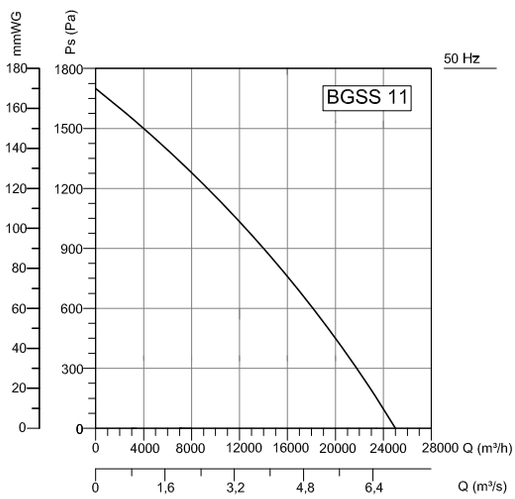

BGSS 6
50 Hz
mmWG
Ps (Pa)
0 15 30 45 60 75 90 105 120
0 200 400 600 800 1000 1200
0 2000 4000 6000 8000 10000 12000 14000 Q (m³/h)
0 1.0 2.0 3.0 Q (m³/s)

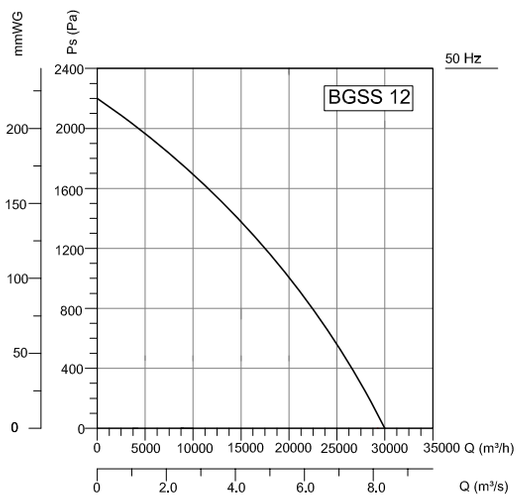

BGSS 7
50 Hz
mmWG
Ps (Pa)
0 20 40 60 80 100 120 140
0 240 480 720 960 1200 1440
0 3000 6000 9000 12000 15000 18000 21000 Q (m³/h)
0 2.0 4.0 Q (m³/s)

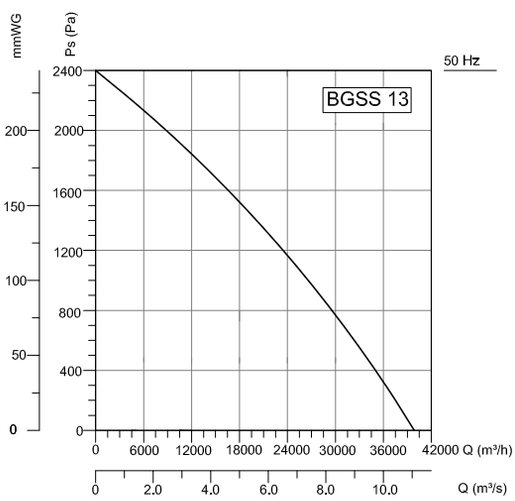

BGSS 8
50 Hz
mmWG
Ps (Pa)
0 20 40 60 80 100 120 140
0 240 480 720 960 1200 1440
0 3000 6000 9000 12000 15000 18000 21000 Q (m³/h)
0 2.0 4.0 Q (m³/s)


mmWG
Ps (Pa)
50 Hz
BGSS 9
Q (m³/h)
Q (m³/s)


mmWG
Ps (Pa)
50 Hz
BGSS 10
Q (m³/h)
Q (m³/s)


mmWG
Ps (Pa)
50 Hz
BGSS 11
Q (m³/h)
Q (m³/s)


mmWG
Ps (Pa)
50 Hz
BGSS 12
Q (m³/h)
Q (m³/s)


mmWG
Ps (Pa)
50 Hz
BGSS 13
Q (m³/h)
Q (m³/s)

ALR

INDUSTRIAL RADIAL FANS / Backward Curved

Fan Components and Material Properties

Body is manufactured from dkp steel sheet with electrostatic powder coating. Fans of ALR 1,2,3,4 are made of high quality galvanized steel which is resistant to corrosion. ALR 5,7,8 models are made of aluminum sheet. All models have an asynchronous motor and have air flow at max.120°C.

Fan Structure

Single suction, low pressure radial fan type. The fan blades are aerodynamically curved and provide regular flow. The fans are composed of backward sloping and infrequently arranged fins.

Benefits

With the screwing system, the frame can be easily rotated to the desired shooting position. Vibrations are prevented by vibrations. Thanks to the aerodynamic wing structure, they work quietly. Speed can be adjusted with speed control devices. The motor housing protects the electric motor from external influences.

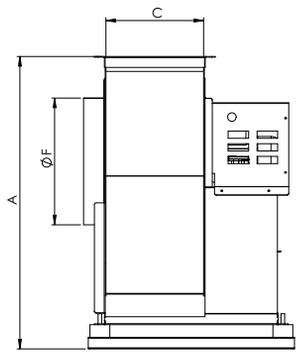
Speed Control

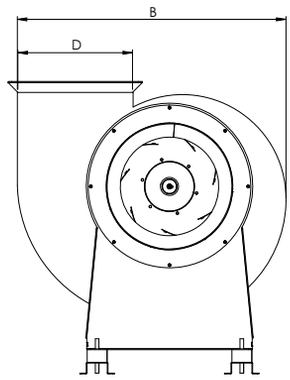
Optional control devices can be provided. Speed control with frequency inverter can be done in 3~phase products (see BSC-F accessory)

Usage Areas

In factories, workshops and factories etc. ventilation is used where required. It is suitable for smoke extraction and exhaust air exhaust filter.

Technical Drawing and Tables





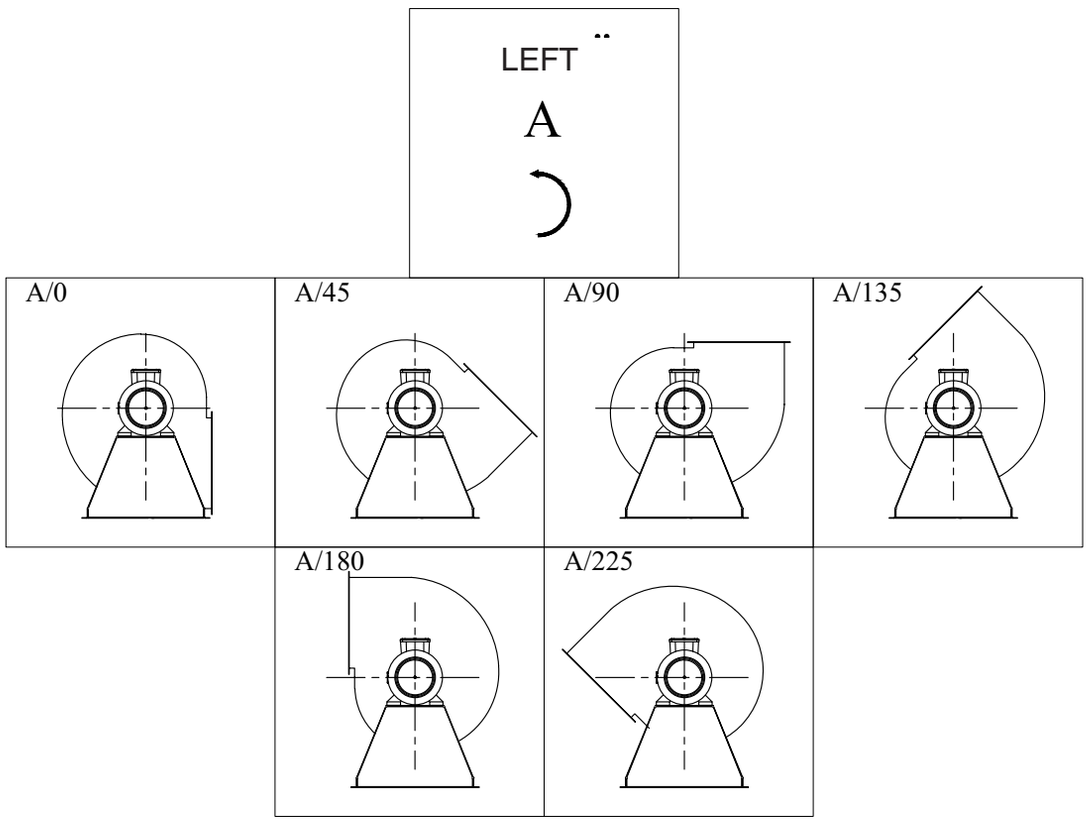
TYPE	A	B	C	D	ØF
ALR 1	590	520	200	225	250
ALR 2	650	585	220	250	280
ALR 3	725	660	245	285	300
ALR 4	810	745	275	320	350
ALR 5	900	835	300	360	400
ALR 7	1000	930	345	400	450
ALR 8	1100	1040	385	450	500

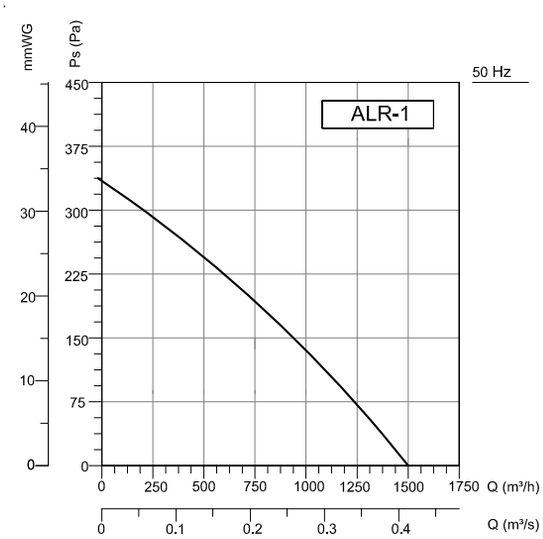
Dimensions are in (mm)

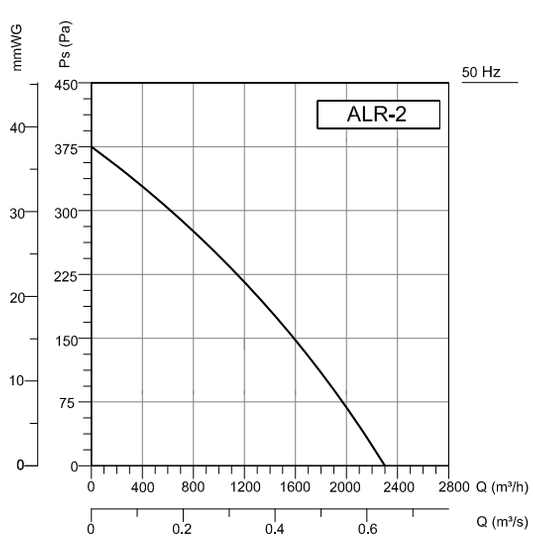
TYPE	VOLTAGE	FREQUENCY	POWER	CURRENT	CAPACITOR	SPEED	AIR FLOW	SOUND PRESSURE	INSULATION CLASS	PROTECTION CLASS
	V	Hz	kW	(A)	(µF)	r.p.m	m^3/h	dB(A)	Ins.cl.	IP
ALR-1M	230	50	0,18	1,7	10	1380	1500	36-28	F	55
ALR-2M	230	50	0,25	2,1	10	1380	2300	37-29	F	55
ALR-3M	230	50	0,25	2,1	10	1380	3200	41-33	F	55
ALR-4M	230	50	0,37	3,4	15	1390	5000	42-34	F	55
ALR-5M	230	50	0,55	4,5	20	1365	6000	45-37	F	55
ALR-7M	230	50	1,1	7,5	35	1410	8000	49-42	F	55
ALR-8M	230	50	2,2	14,2	50	1420	10000	52-44	F	55
ALR-1T	380	50	0,18	0,65	-	1380	1500	36-28	F	55
ALR-2T	380	50	0,25	0,87	-	1380	2300	37-29	F	55
ALR-3T	380	50	0,25	0,87	-	1380	3200	41-33	F	55
ALR-4T	380	50	0,37	1,2	-	1390	5000	42-34	F	55
ALR-5T	380	50	0,55	1,6	-	1365	6000	45-37	F	55
ALR-7T	380	50	1,1	2,6	-	1410	8000	49-42	F	55
ALR-8T	380	50	2,2	4,9	-	1420	10000	52-44	F	55

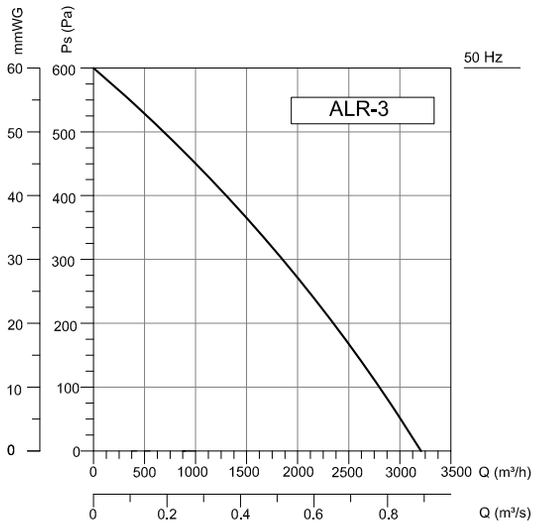
The sound level is measured at a distance of 4-10 m in open field condition.

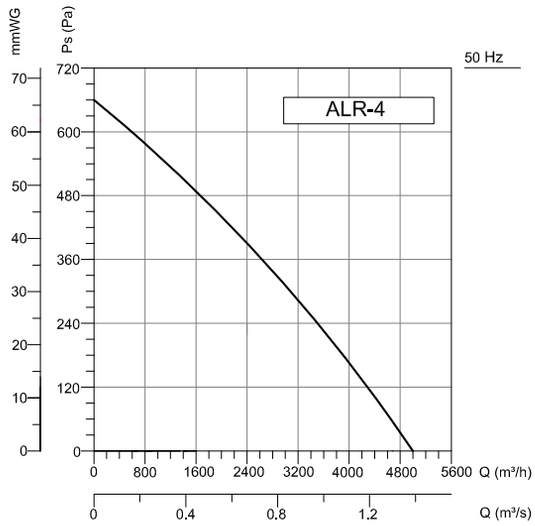
Fan Inlet-Outlet Position

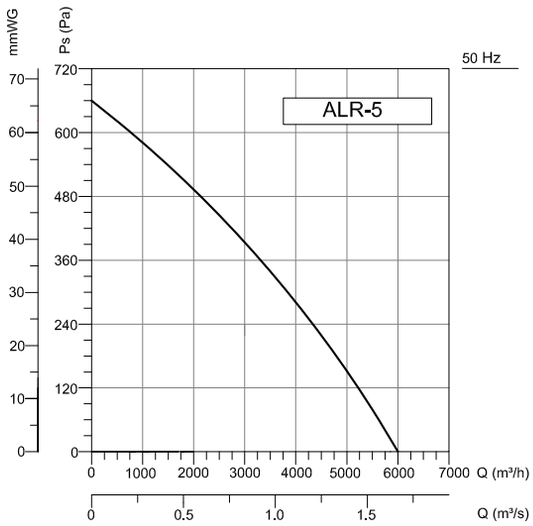


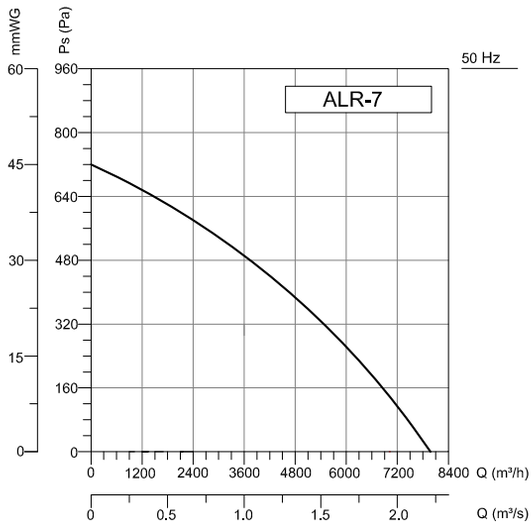


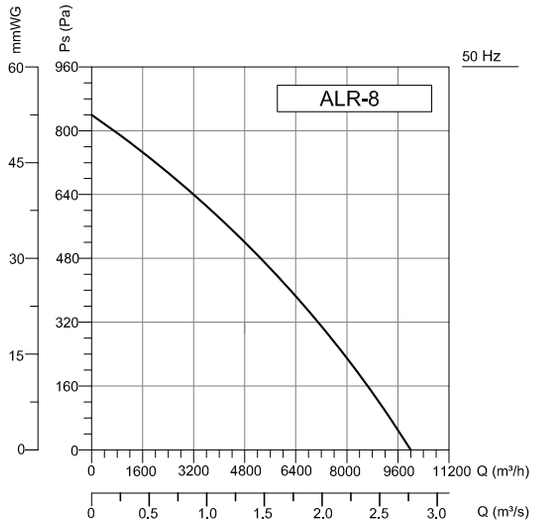












Accessories

BSC-F BYH BESB BTY BYKS BDEB

ORB

INDUSTRIAL RADIAL FANS / Forward Curved

Fan Components and Material Properties

Body and fan are made of electrostatic powder coated sheet metal. Motor and fan are connected to main body by steel base. All models have asynchronous motor. It is capable of carrying air at a temperature of Max.120ºC.

Fan Structure

Single suction, medium pressure radial fan type. The fan blades are aerodynamically curved and provide regular flow.

Benefits

It provides high performance in medium and high static pressures.

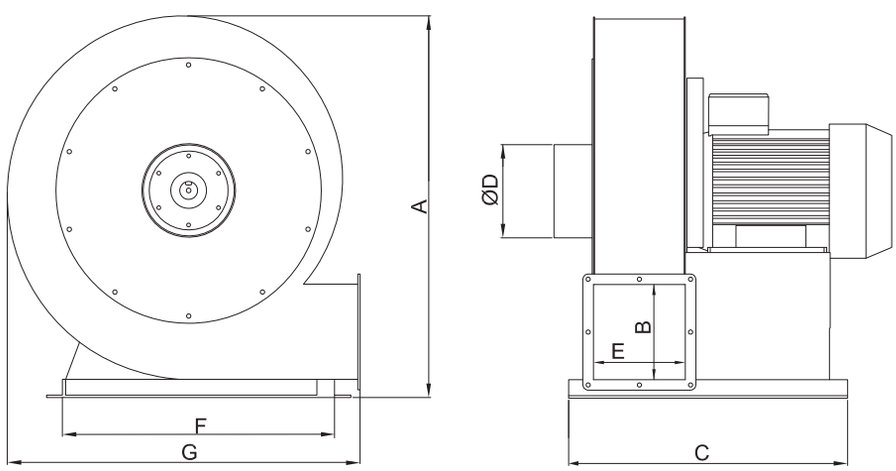
Speed Control

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 can be used in dust collection, smoke and exhaust evacuation, fine grained material transport (marble dust, granule, plastic etc.), printing houses, paper, furniture, timber, fiberboard, ceramic and marble factories.

Technical Drawing and Tables



TYPE	A	B	C	D	E	F	G
ORB 1	430	95	340	120	100	320	380
ORB 2	500	95	340	120	100	370	380
ORB 3	560	95	340	120	100	390	400
ORB 4	590	110	420	150	120	450	600
ORB 5	650	110	440	150	120	450	600
ORB 6	670	140	520	150	150	450	700
ORB 7	760	140	550	150	150	510	750
ORB 8	810	140	600	150	150	630	800
ORB 9	830	140	640	180	150	630	850

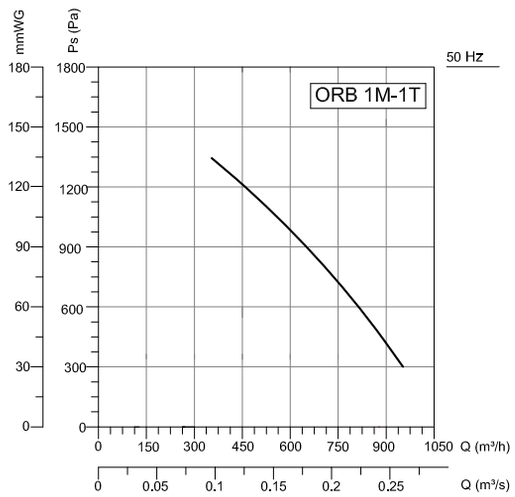
Dimensions are in (mm)

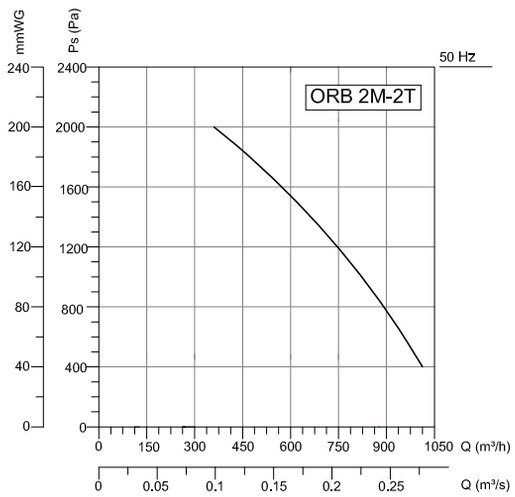
Accessories

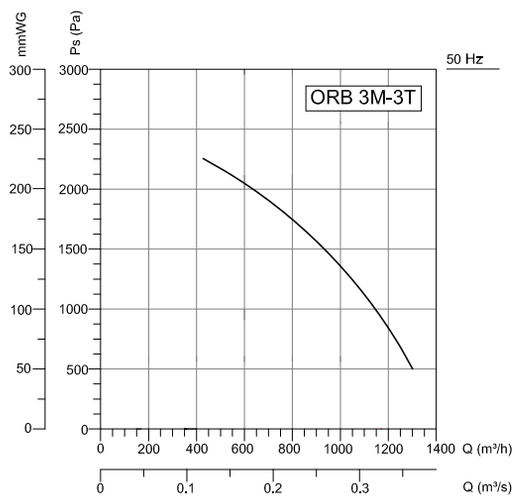
BSC-F BYH BESB BTY BYKS BDEB

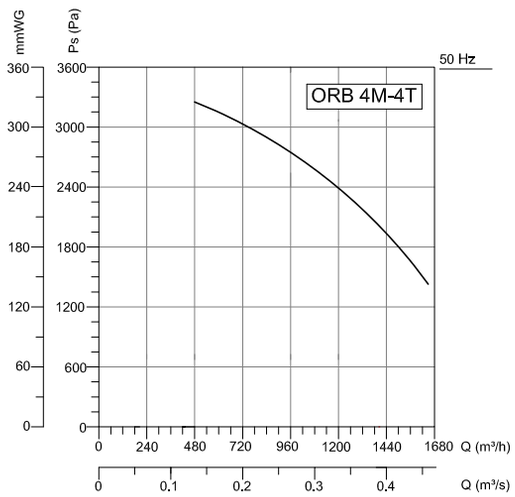
TYPE	VOLTAGE V	FREQUENCY Hz	POWER kW	CURRENT (A)	CAPACITOR (µF)	SPEED r.p.m	AIR FLOW m^3/h	SOUND PRESSURE dB(A)	INSULATION CLASS Ins.cl.	PROTECTION CLASS IP	WEIGHT kg
ORB 1M	230	50	0,37	2,5	15	2800	950	56	F	55	30
ORB 2M	230	50	0,75	5	30	2760	1000	59	F	55	35
ORB 3M	230	50	1,1	7	35	2770	1300	60	F	55	37
ORB 4M	230	50	1,5	9,8	40	2820	1600	62	F	55	53
ORB 5M	230	50	2,2	13,5	50	2800	1900	64	F	55	70
ORB 6M	230	50	3	17,7	60	2850	2200	65	F	55	86
ORB 1T	380	50	0,37	1,05	-	2800	950	56	F	55	30
ORB 2T	380	50	0,75	1,75	-	2760	1000	59	F	55	35
ORB 3T	380	50	1,1	2,3	-	2770	1300	60	F	55	37
ORB 4T	380	50	1,5	3,3	-	2820	1600	62	F	55	53
ORB 5T	380	50	2,2	4,5	-	2800	1900	64	F	55	70
ORB 6T	380	50	3	5,8	-	2850	2200	65	F	55	86
ORB 7T	380	50	4	7,9	-	2880	2500	69	F	55	96
ORB 8T	380	50	5,5	10,3	-	2900	3000	72	F	55	108
ORB 9T	380	50	7,5	13,6	-	2910	4000	74	F	55	125

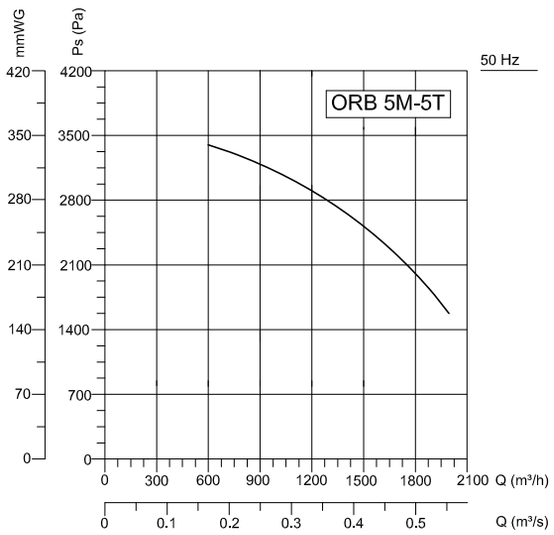
The sound level is measured at a distance of 3 m in open field condition.

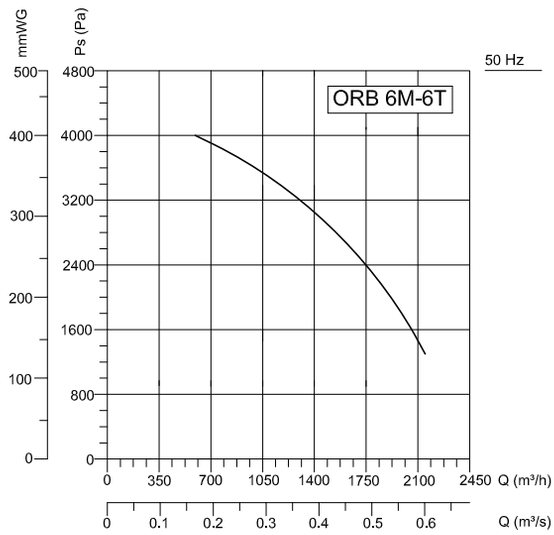


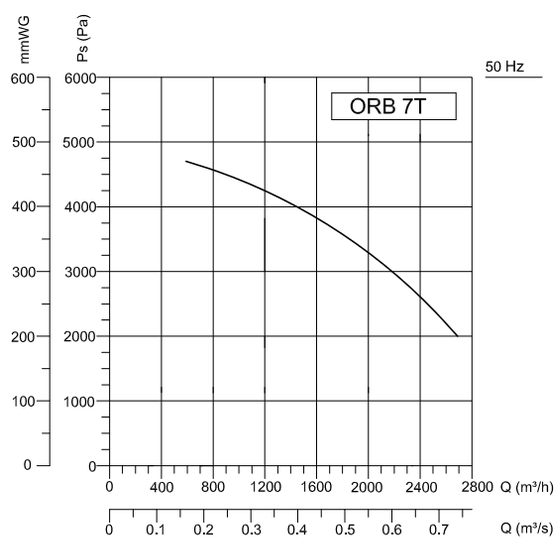


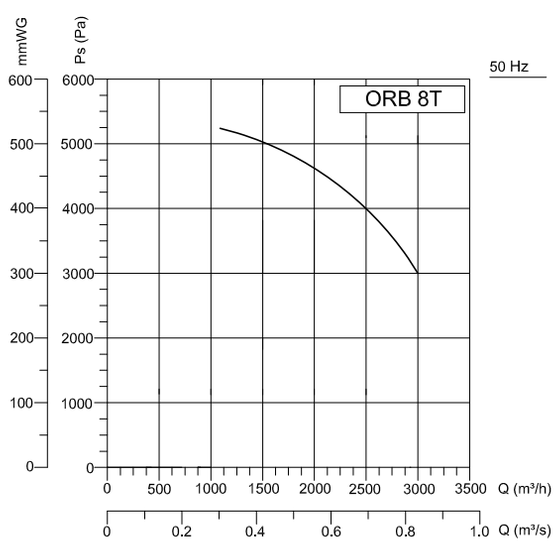


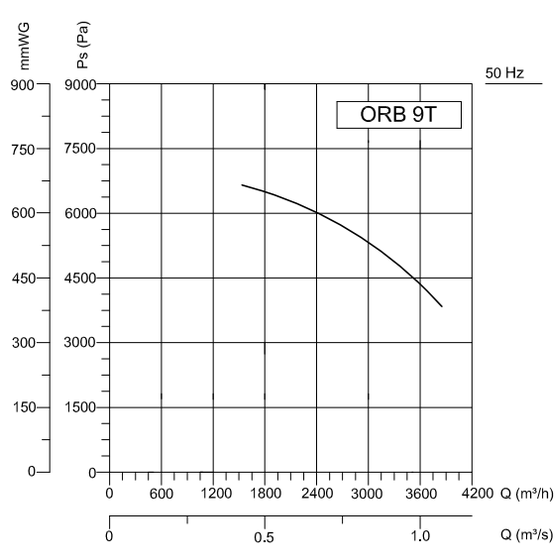


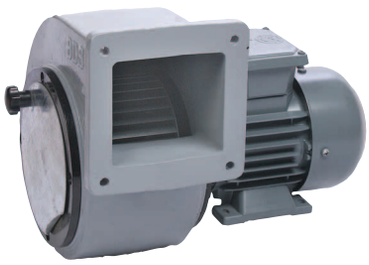

mmWG
Ps (Pa)
50 Hz
ORB 5M-5T
420
350
280
210
140
70
0
4200
3500
2800
2100
1400
700
0
0 300 600 900 1200 1500 1800 2100 Q (m³/h)
0 0.1 0.2 0.3 0.4 0.5 Q (m³/s)


mmWG
Ps (Pa)
50 Hz
ORB 6M-6T
500
400
300
200
100
0
4800
4000
3200
2400
1600
800
0
0 350 700 1050 1400 1750 2100 2450 Q (m³/h)
0 0.1 0.2 0.3 0.4 0.5 0.6 Q (m³/s)


mmWG
Ps (Pa)
50 Hz
ORB 7T
600
500
400
300
200
100
0
6000
5000
4000
3000
2000
1000
0
0 400 800 1200 1600 2000 2400 2800 Q (m³/h)
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 Q (m³/s)


mmWG
Ps (Pa)
50 Hz
ORB 8T
600
500
400
300
200
100
0
6000
5000
4000
3000
2000
1000
0
0 500 1000 1500 2000 2500 3000 3500 Q (m³/h)
0 0.2 0.4 0.6 0.8 1.0 Q (m³/s)


mmWG
Ps (Pa)
50 Hz
ORB 9T
900
750
600
450
300
150
0
9000
7500
6000
4500
3000
1500
0
0 600 1200 1800 2400 3000 3600 4200 Q (m³/h)
0 0.5 1.0 Q (m³/s)



BDS

INDUSTRIAL RADIAL FANS / Forward Curved

Fan Components and Material Properties

The fan housing is made of pressurized aluminum casting. 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. Three-phase and single-phase asynchronous motor uses.

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 has a more rigid body structure. 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. Fan flow rate can be controlled with Klepe. It is not affected by hot and steam air currents. Speed can be adjusted with speed control devices.

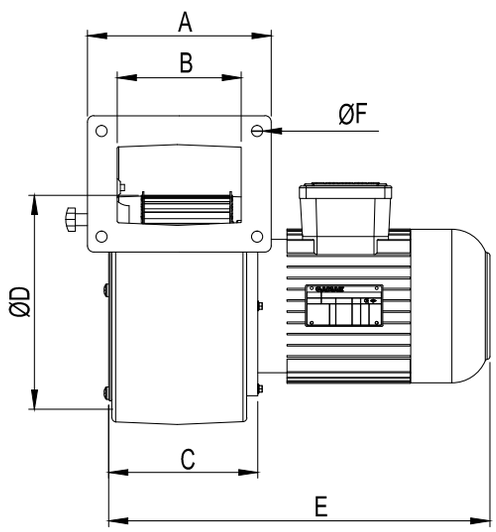
Speed Control

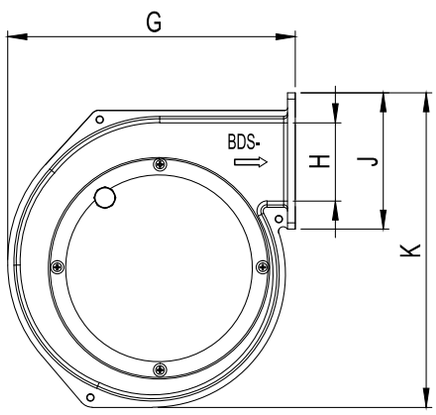
Optional control devices can be provided. Speed control with frequency inverter can be done in 3~phase products (see BSC-F accessory)

Usage Areas

For cooling of machines, solid fuel boilers, industrial furnaces, resistance heating applications etc. Rigid body and high performance are used in the desired areas.

Technical Drawing and Tables





TYPE	A	B	C	D	E	F	G	H	J	K
BDS 1	133	88	127	140	310	7	230	65	125	240
BDS 2	155	114	148	160	360	9	285	108	163	280
BDS 3	160	117	157	180	360	9	310	108	165	300
BDS 4	187	127	168	225	390	9	370	100	163	380
BDS 5	200	155	185	250	435	9	400	155	205	435
BDS 6	200	155	195	268	465	9	405	155	205	440
BDS 7	240	170	200	300	555	10	480	170	250	510
BDS 8	240	170	200	315	555	10	490	170	250	510

Dimensions are in (mm)

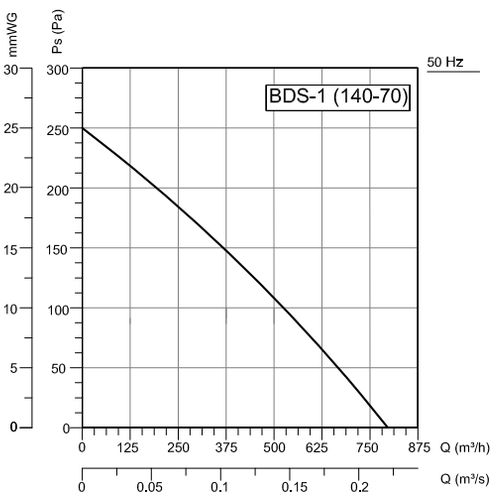
Accessories

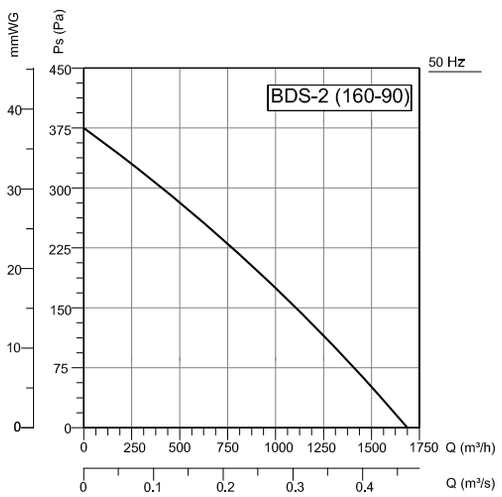
BSC-F

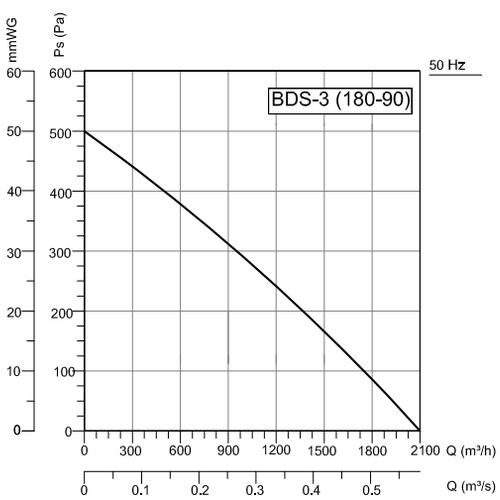
BYF

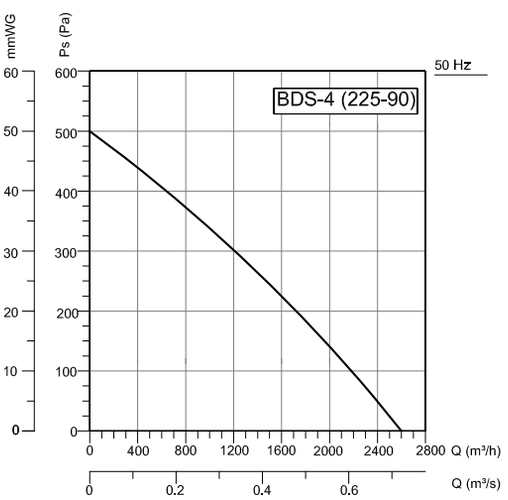
TYPE	VOLTAGE	FREQUENCY	POWER	CURRENT	CAPACITOR	SPEED	AIR FLOW	SOUND PRESSURE	INSULATION CLASS	PROTECTION CLASS	WEIGHT
	V	Hz	kW	(A)	(µF)	r.p.m	m^3/h	dB(A)	Ins.cl.	IP	kg
BDS 1M (140-70)	230	50	0,25	1,6	10	2870	800	50	F	55	9
BDS 2M (160-90)	230	50	0,37	2,5	15	2885	1700	55	F	55	11
BDS 3M (180-90)	230	50	0,55	3,5	20	2865	2100	60	F	55	13
BDS 4M (225-90)	230	50	0,75	5	30	2770	2600	65	F	55	18
BDS 4M (225-102)	230	50	1,1	7	35	2770	3200	68	F	55	19
BDS 5M (250-112)	230	50	1,5	9,8	40	2820	3700	70	F	55	25
BDS 6M (268-112)	230	50	2,2	13,5	50	2800	4650	71	F	55	31
BDS 1T (140-70)	380	50	0,25	0,67	-	2840	800	50	F	55	9
BDS 2T (160-90)	380	50	0,37	1,05	-	2800	1700	55	F	55	11
BDS 3T (180-90)	380	50	0,55	1,27	-	2780	2100	60	F	55	13
BDS 4T (225-90)	380	50	0,75	1,75	-	2760	2600	65	F	55	18
BDS 4T (225-102)	380	50	1,1	2,3	-	2770	3200	68	F	55	19
BDS 5T (250-112)	380	50	1,5	3,3	-	2820	3700	70	F	55	25
BDS 6T (268-112)	380	50	2,2	4,5	-	2800	4650	71	F	55	31
BDS 7T (300-112)	380	50	4	7,9	-	2880	6200	72	F	55	43
BDS 8T (315-112)	380	50	5,5	10,3	-	2900	8400	73	F	55	48

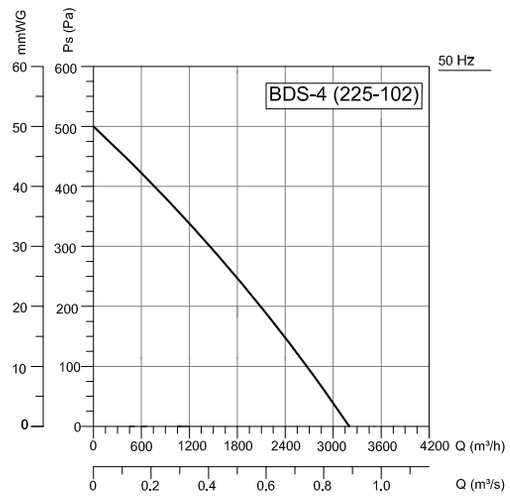
The sound level is measured at a distance of 3 m in open field condition.

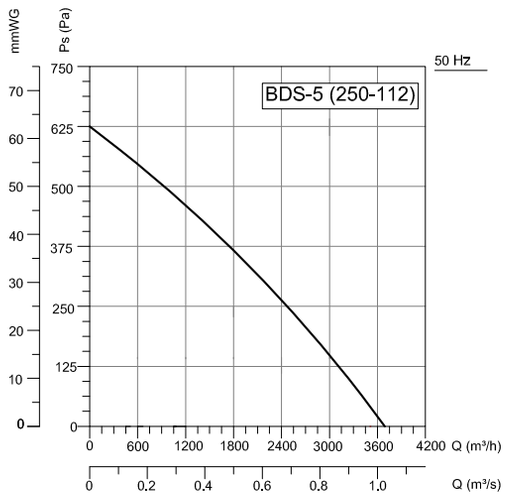


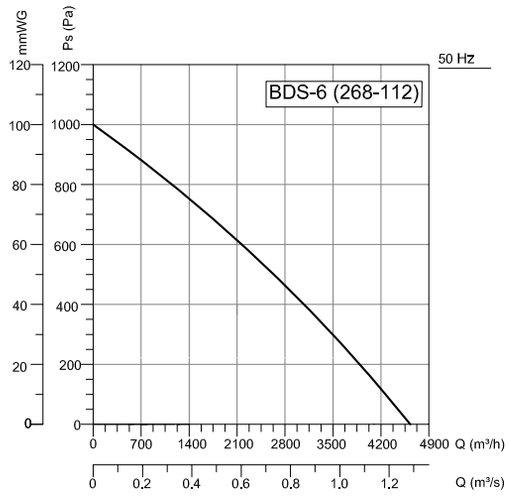


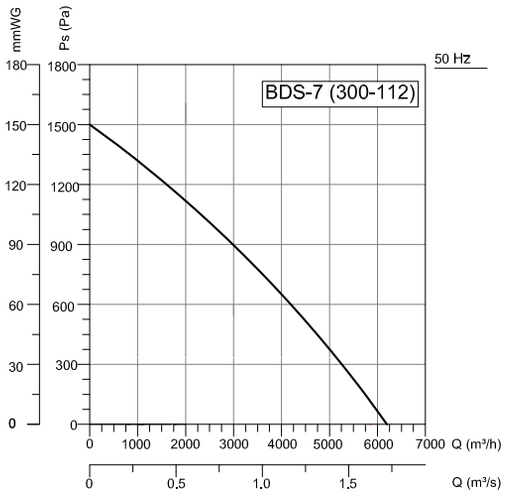


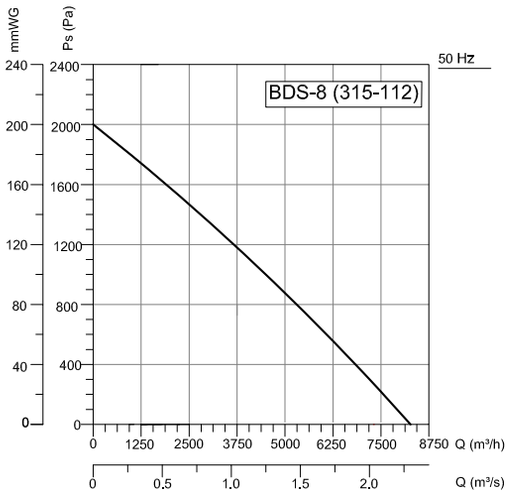



BDS-4 (225-102)
50 Hz
mmWG
Ps (Pa)
60 50 40 30 20 10 0
600 500 400 300 200 100 0
0 600 1200 1800 2400 3000 3600 4200 Q (m³/h)
0 0.2 0.4 0.6 0.8 1.0 Q (m³/s)


BDS-5 (250-112)
50 Hz
mmWG
Ps (Pa)
70 60 50 40 30 20 10 0
750 625 500 375 250 125 0
0 600 1200 1800 2400 3000 3600 4200 Q (m³/h)
0 0.2 0.4 0.6 0.8 1.0 Q (m³/s)


BDS-6 (268-112)
50 Hz
mmWG
Ps (Pa)
120 100 80 60 40 20 0
1200 1000 800 600 400 200 0
0 700 1400 2100 2800 3500 4200 4900 Q (m³/h)
0 0.2 0.4 0.6 0.8 1.0 1.2 Q (m³/s)


BDS-7 (300-112)
50 Hz
mmWG
Ps (Pa)
180 150 120 90 60 30 0
1800 1500 1200 900 600 300 0
0 1000 2000 3000 4000 5000 6000 7000 Q (m³/h)
0 0.5 1.0 1.5 Q (m³/s)


BDS-8 (315-112)
50 Hz
mmWG
Ps (Pa)
240 200 160 120 80 40 0
2400 2000 1600 1200 800 400 0
0 1250 2500 3750 5000 6250 7500 8750 Q (m³/h)
0 0.5 1.0 1.5 2.0 Q (m³/s)

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.40ºC.

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.

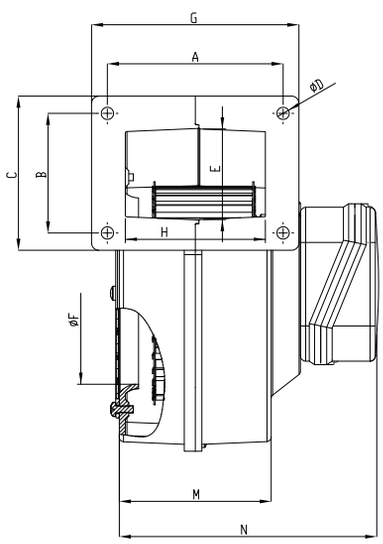
Speed Control

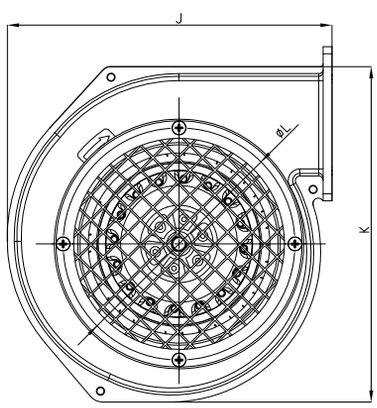
Optional control devices can be provided. * Speed control can be done with linear voltage regulator. (see BSC accessory)

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



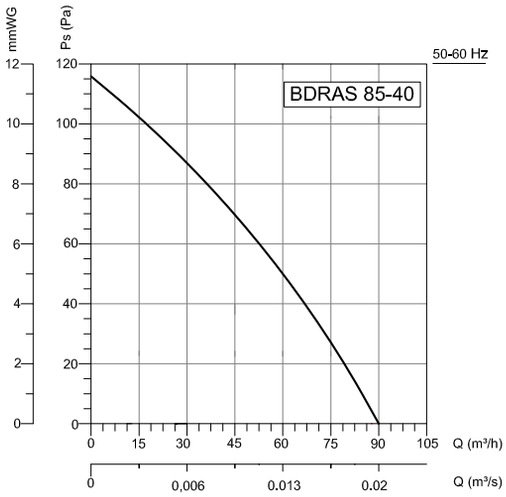


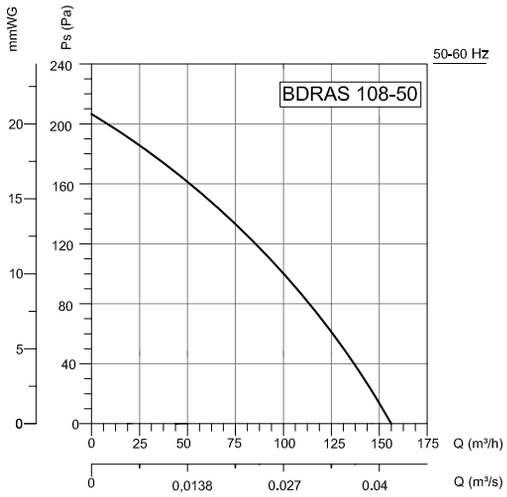
TYPE	A	B	C	D	E	F	G	H	J	K	L	M	N
BDRAS 85-40	66	58	70	5,5	42	63	76	56	117,5	127,5	84	80	120
BDRAS 108-50	96,5	65	85	7	50	87	115	76	159	183	118	82	122
BDRAS 120-60	99	67,5	88	7	49	103,5	118,5	80	190	184	122	87	145
BDRAS 140-60	123	84	122	7	78	110	154	79	197	203	147	100	151
BDRAS 160-60	114	105	123	7	90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

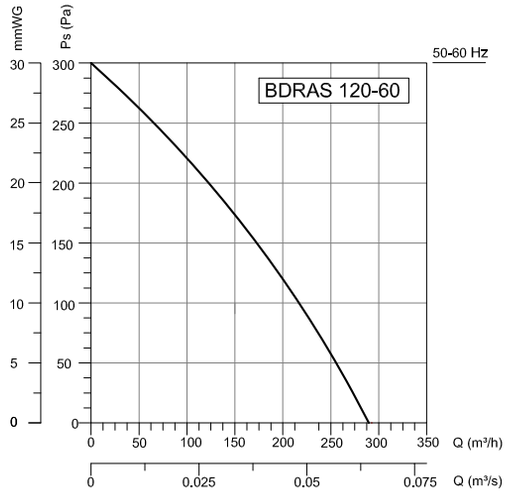
Dimensions are in (mm)

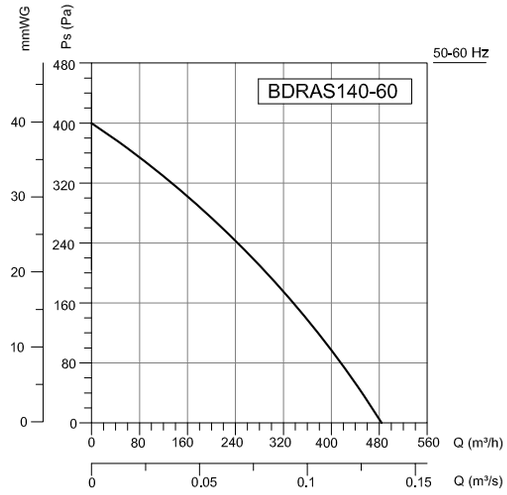
TYPE	VOLTAGE	FREQUENCY	POWER	CURRENT	CAPACITOR	SPEED	AIR FLOW	SOUND PRESSURE	INSULATION CLASS	PROTECTION CLASS	WEIGHT
	V	Hz	W	(A)	(µF)	r.p.m	m^3/h	dB(A)	Ins.cl.	IP	kg
BDRAS 85-40	230	50/60	30	0,13	1	2500	90	40	B	44	1,2
BDRAS 108-50	230	50/60	40	0,19	1,5	1900	155	42	B	44	1,7
BDRAS 120-60	230	50/60	85/105	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

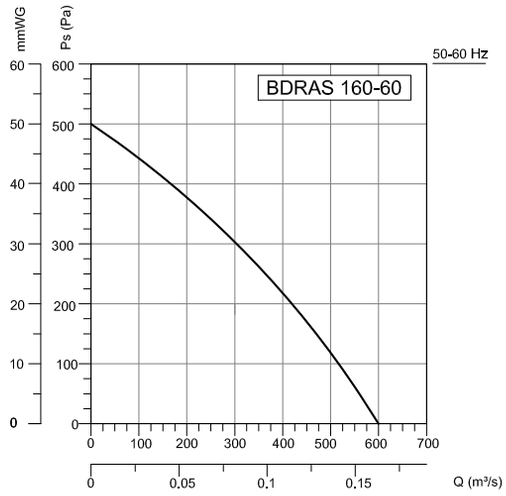
Sound Level Measured from 3m distance in room condition.







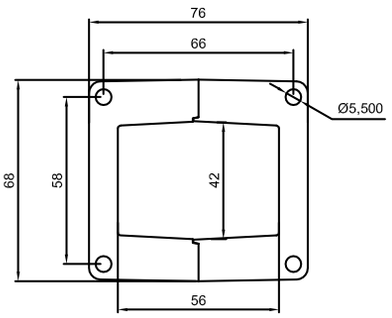




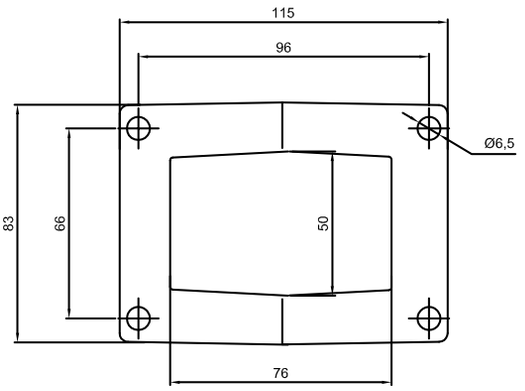
Accessories

BSC

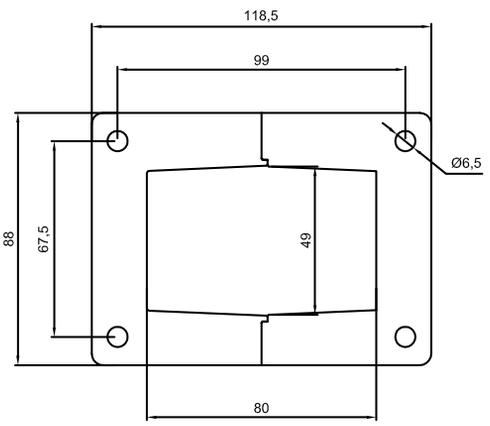
BDRAS FLANGE TYPES



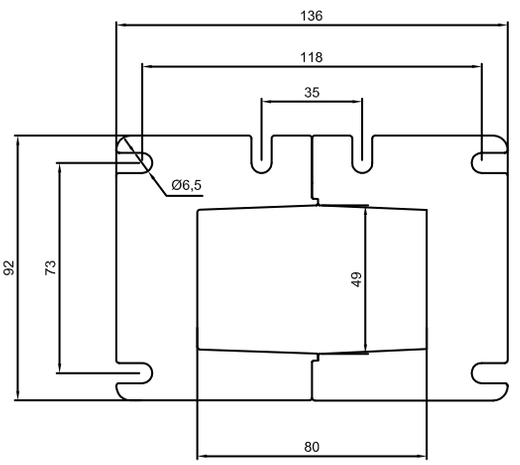
BDRAS 85-40



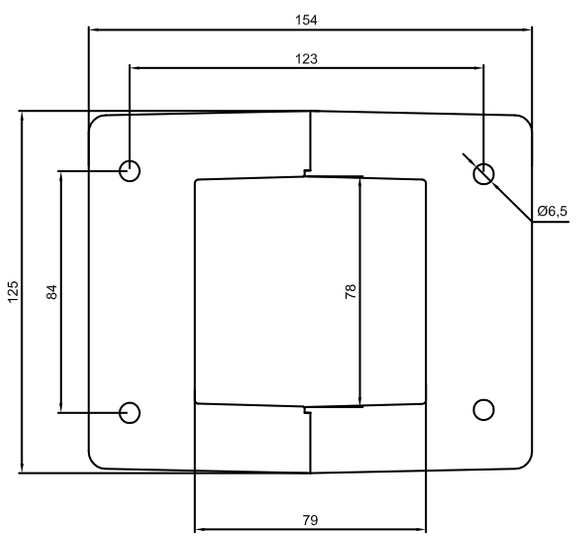
BDRAS 108-50



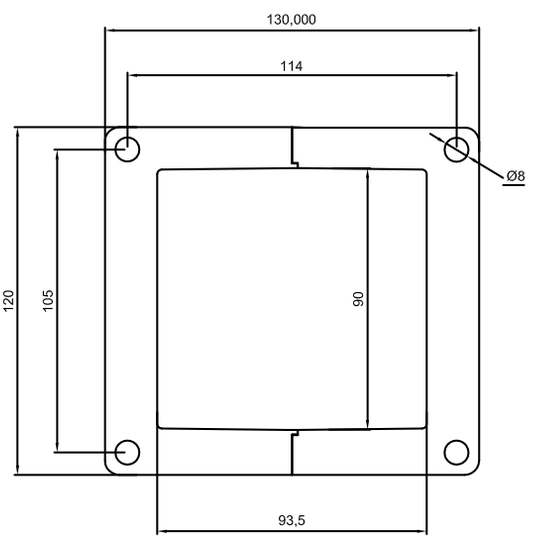
BDRAS 120-60



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.40ºC.

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.

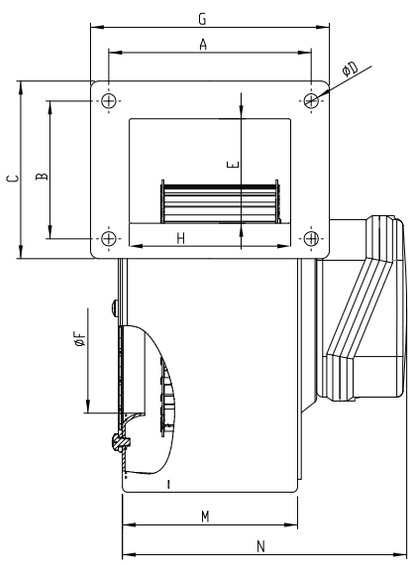
Speed Control

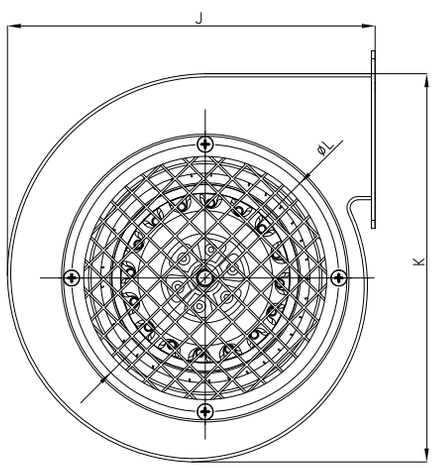
Optional control devices can be provided.
With 1~phase products, speed control can be done with linear voltage regulator. (see BSC accessory)
3~phase products can be controlled by frequency inverter (see BSC-F accessory).

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



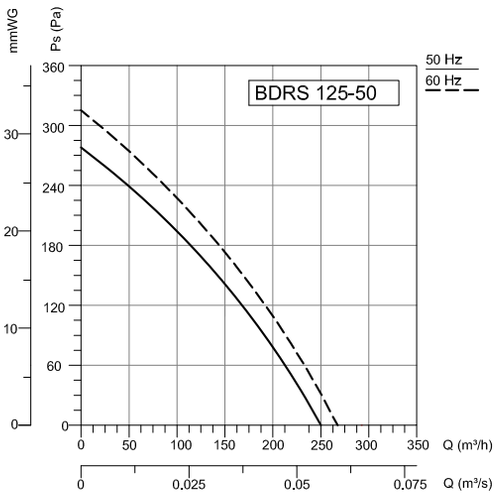


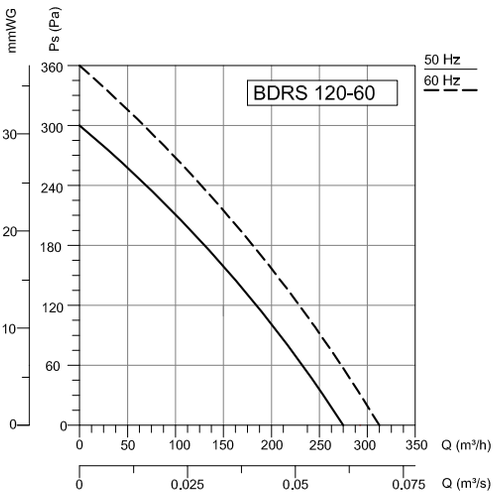
TYPE	A	B	C	D	E	F	G	H	J	K	L	M	N
BDRS 125-50	77	72	88	5	62	98	86	66	170	180	128	66	94
BDRS 120-60	98,5	68,5	100	5	68,5	97,5	115,5	81	173	183	133	83	134
BDRS 140-60	112	112	129,3	5	91,5	112	129	83,5	206	216	151	86	133
BDRS 160-60	112	112	129,3	5	92,5	130	129	84	270	260	165	86	133

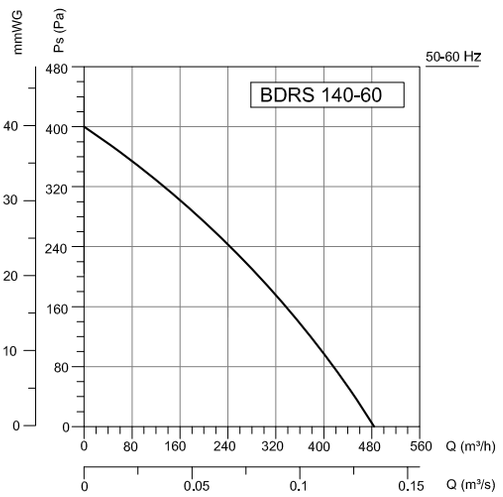
Dimensions are in (mm)

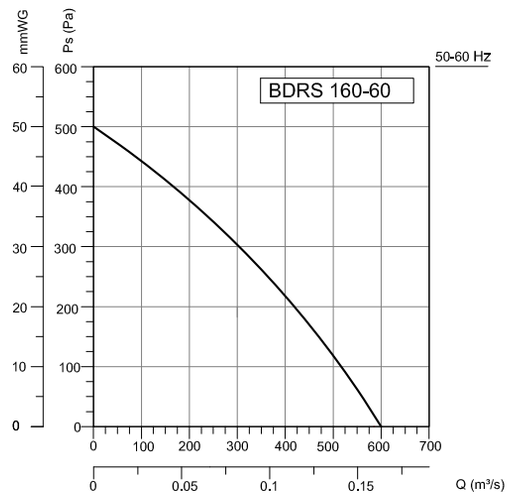
TYPE	VOLTAGE	FREQUENCY	POWER	CURRENT	CAPACITOR	SPEED	AIR FLOW	SOUND PRESSURE	INSULATION CLASS	PROTECTION CLASS	WEIGHT
	V	Hz	W	(A)	(µF)	r.p.m	m^3/h	dB(A)	Ins.cl.	IP	kg
BDRS 125-50	230	50/60	80/100	0,35/0,44	2,5	2450/2600	250/265	42	B	44	2,3
BDRS 120-60	230	50/60	85/105	0,38/0,46	2,5	2250/2550	275/310	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

AORB

SHEET METAL HOUSING / Forward Curved

Fan Components and Material Properties

AORB centrifugal fans have low noise, high pressure properties. Body is made of electrostatic powder coated sheet metal. They save space thanks to their compact structure. It is lightweight and easy to assemble. The motor and fan impeller are connected to the main body by steel carriers. Device max. It is capable of carrying air at a temperature of 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. 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.

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 mounted at the desired angle. Speed can be adjusted with speed control devices. Protection grill is available in fan suction.

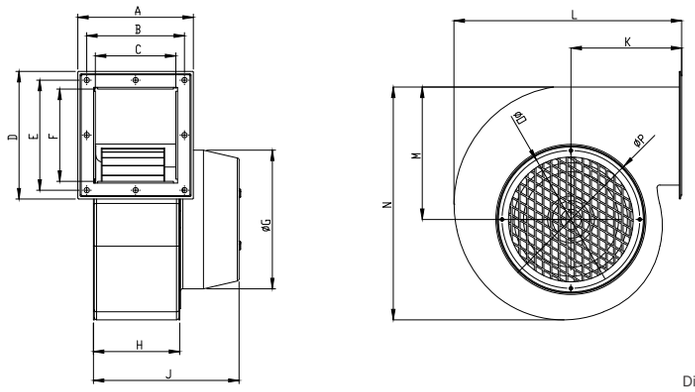
Speed Control

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

The AORB fan is compact in size, providing space saving for a wide range of ventilation and cooling applications. It produces higher flow rates than other fans in its segment. It is installed in solid fuel boilers and transmits the fresh air required for combustion to the combustion chamber.

Technical Drawing and Tables

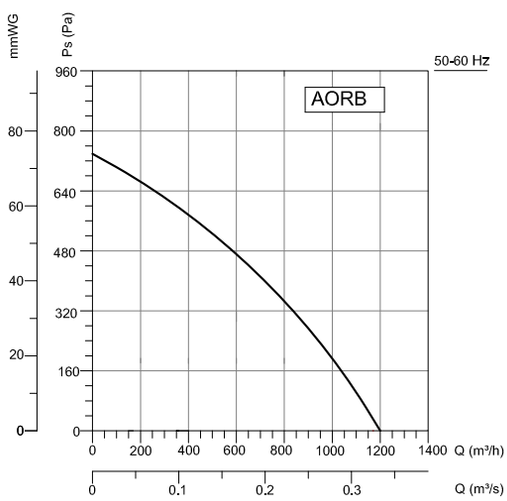


Dimensions are in (mm)

TYPE	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P
AORB	150	125	105	163	139	120	174	109	185	142	290	170	298	143	186

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
AORB-M	230	50	575	2,7	6	2450	1200	58	B	44	8,7
AORB-T	380	50/60	415/590	0,78/1	-	2750	1200	58	B	44	8,7

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



Accessories

BSC

BSC-F

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.

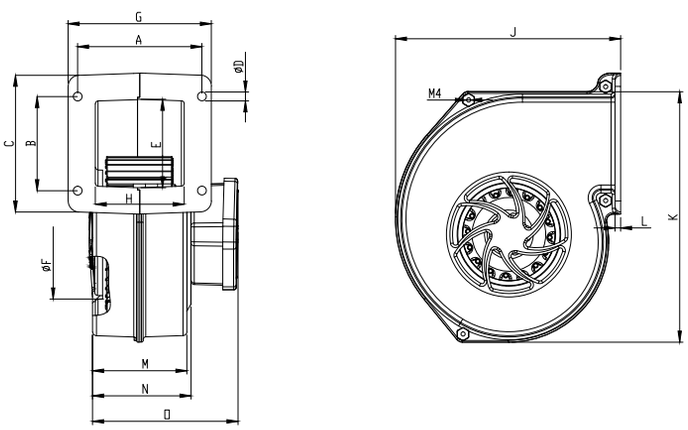
Speed Control

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

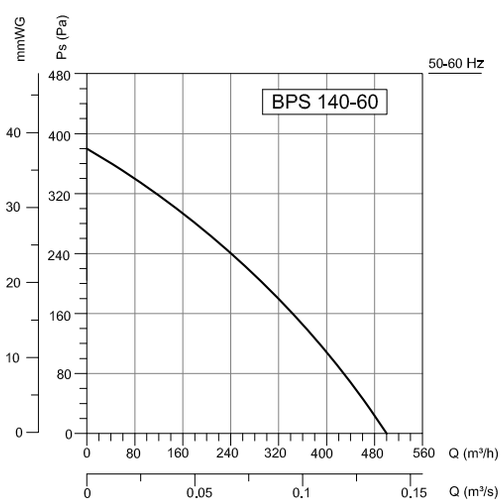


Dimensions are in (mm)

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
	V	Hz	W	(A)	(µF)	r.p.m	m^3/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 40ºC.

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.

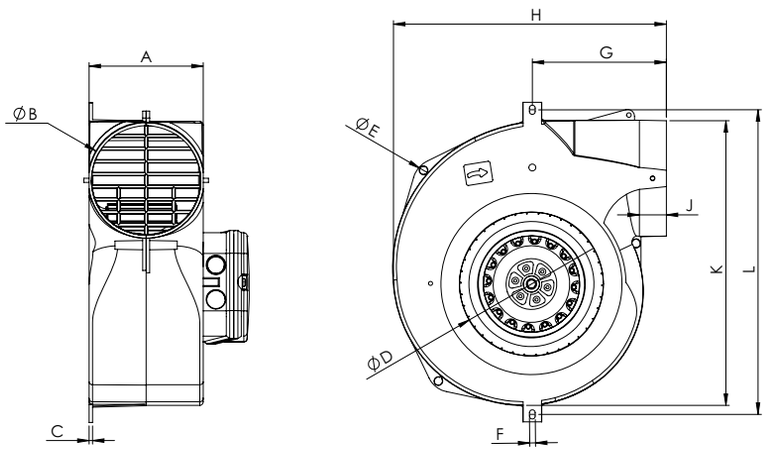
Speed Control

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

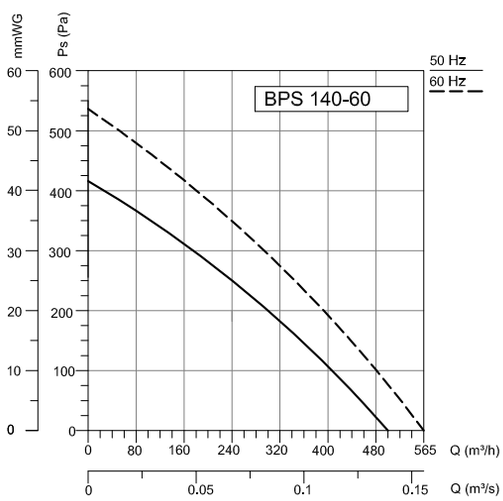


Dimensions are in (mm)

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	m^3/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.

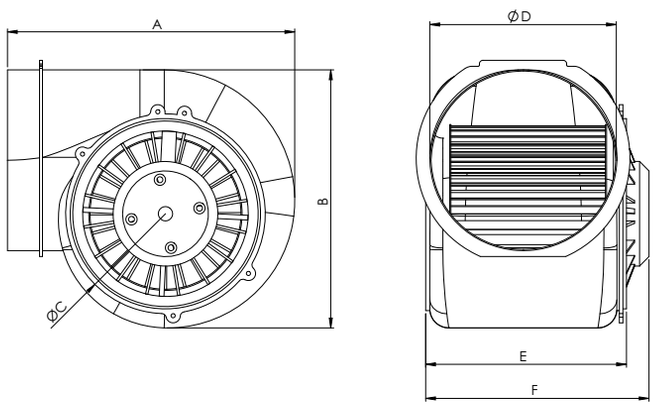
Speed Control

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

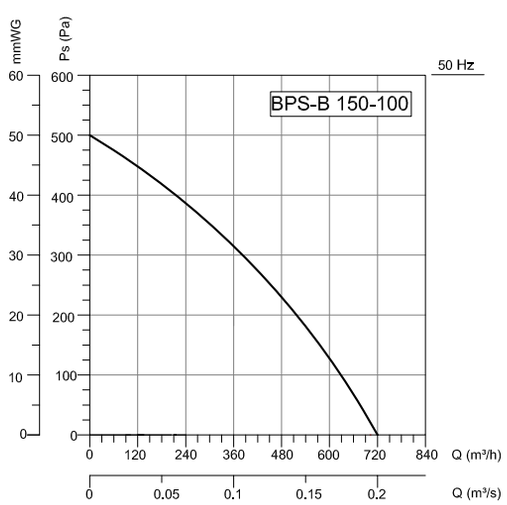


TYPE	A	B	C	D	E	F
BPS-B 150-100	241	217	156	150	165	185

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	m^3/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)

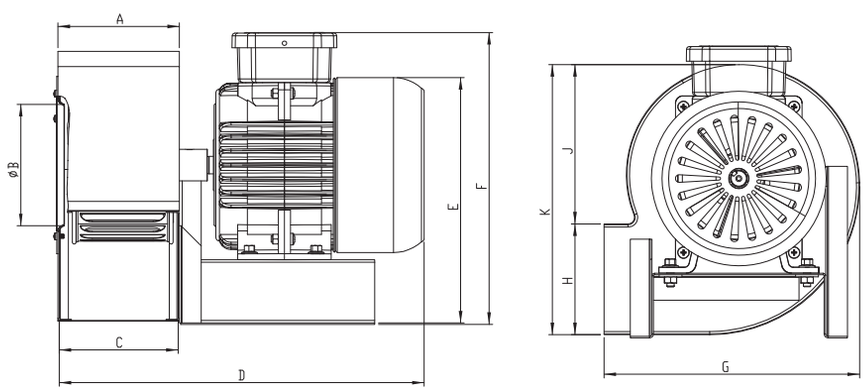
Usage Areas

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

BSC BYH BYF

Technical Drawing and Tables

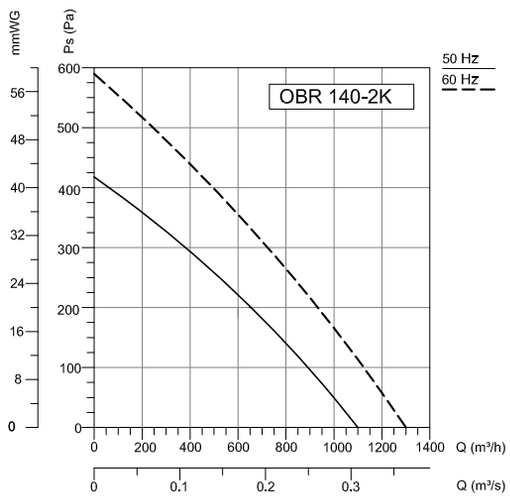


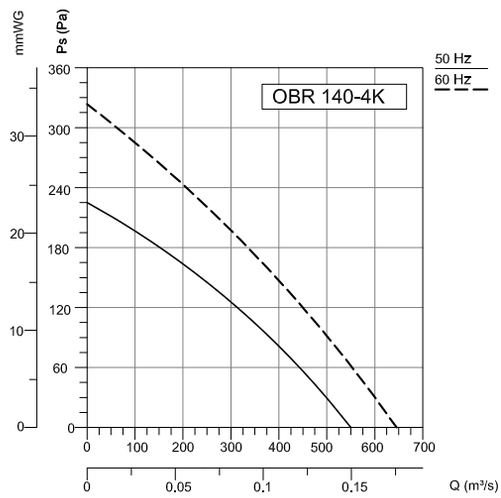
TYPE	A	B	C	D	E	F	G	H	J	K
OBR 140M	103	106	102	294	200	240	204	91	125	216

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	m^3/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.

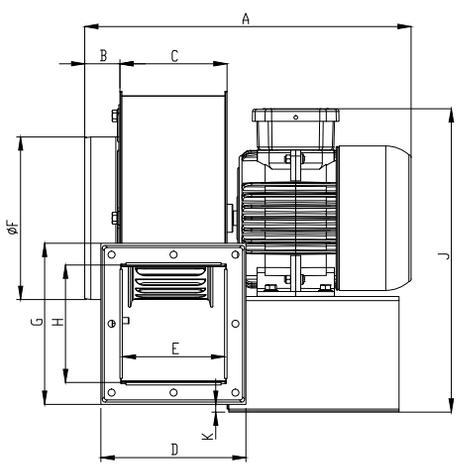
Accessories

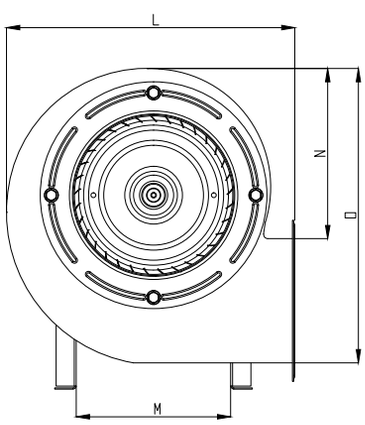

BSC


BYH


BYF

Technical Drawing and Tables



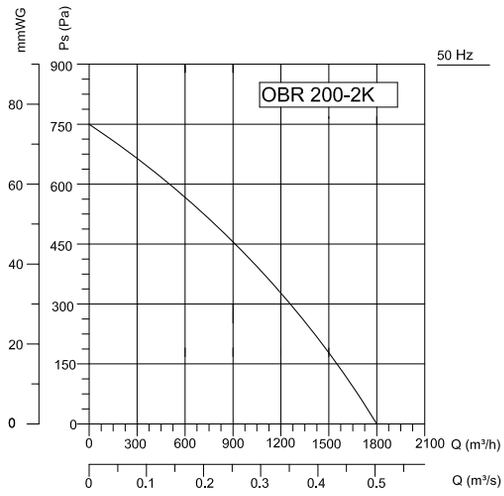


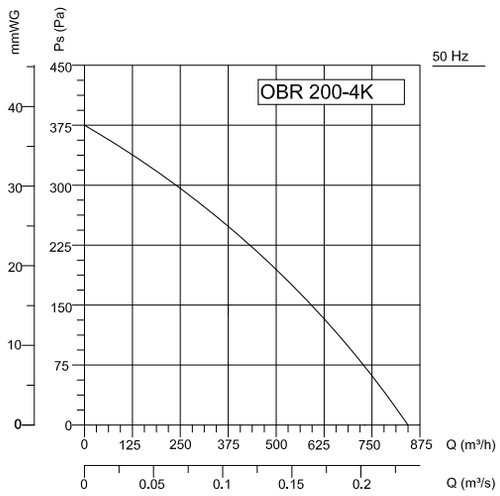
TYPE	A	B	C	D	E	F	G	H	J	K	L	M	N	O
OBR 200	322	34	109	146	102	163	161	115	310	17	288	150	170	295

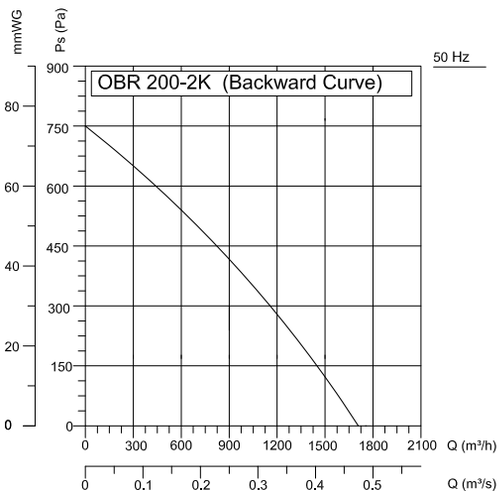
Dimensions are in (mm)

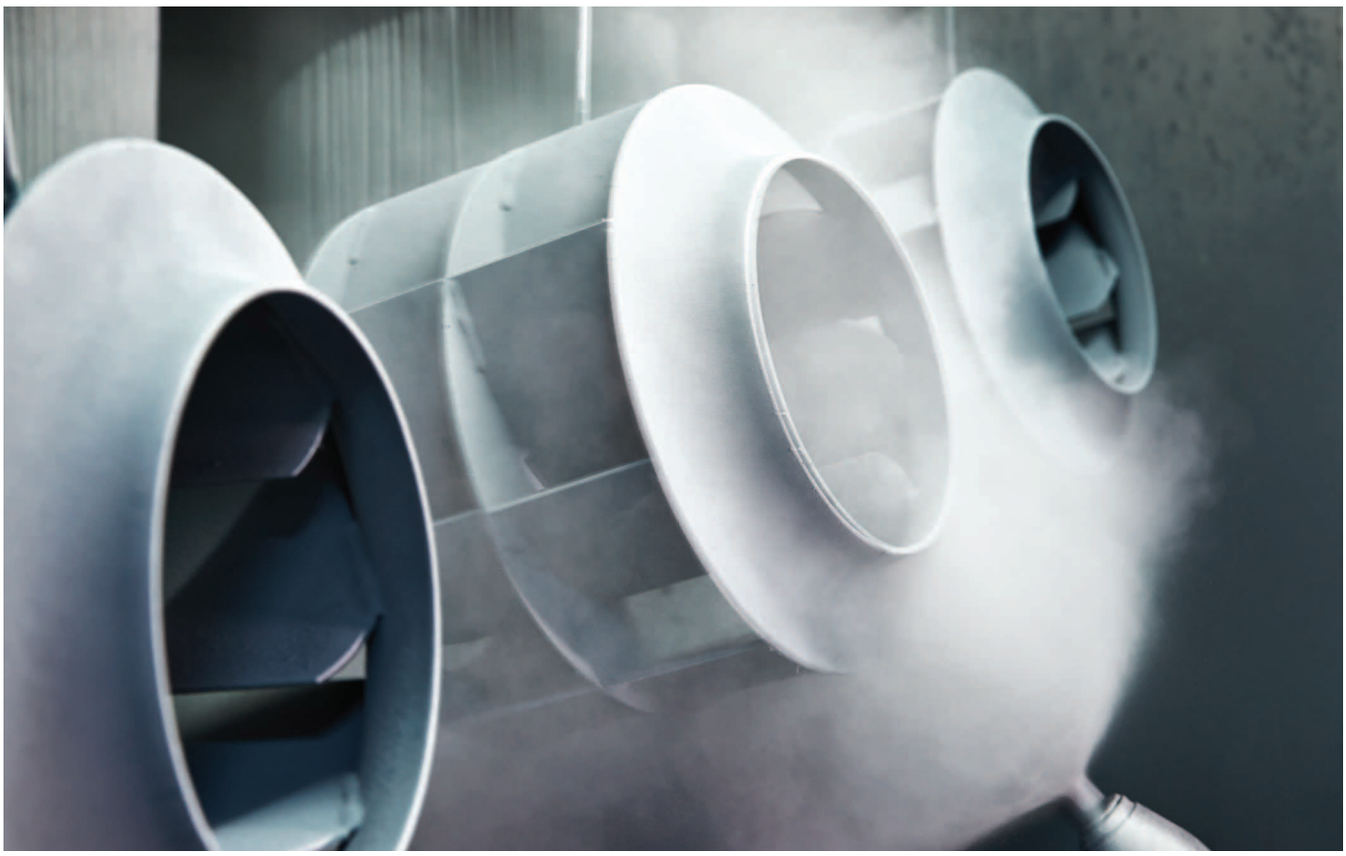
TYPE	VOLTAGE	FREQUENCY	POWER	CURRENT	CAPACITOR	SPEED	AIR FLOW	SOUND PRESSURE	INSULATION CLASS	PROTECTION CLASS	WEIGHT
	V	Hz	W	(A)	(µF)	r.p.m	m^3/h	dB(A)	Ins.cl.	IP	kg
OBR 200M-2K	230	50	450	2	8	2770	1800	55	B	44	9
OBR 200M-4K	230	50	190	1,1	8	1450	850	50	B	44	8,4
OBR 200M-2K*	230	50	260	1,5	8	2900	1700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


mmWG
Ps (Pa)
50 Hz
OBR 200-2K
0 20 40 60 80
0 150 300 450 600 750 900
0 300 600 900 1200 1500 1800 2100 Q (m³/h)
0 0.1 0.2 0.3 0.4 0.5 Q (m³/s)


mmWG
Ps (Pa)
50 Hz
OBR 200-4K
0 10 20 30 40
0 75 150 225 300 375 450
0 125 250 375 500 625 750 875 Q (m³/h)
0 0.05 0.1 0.15 0.2 Q (m³/s)


mmWG
Ps (Pa)
50 Hz
OBR 200-2K (Backward Curve)
0 20 40 60 80
0 150 300 450 600 750 900
0 300 600 900 1200 1500 1800 2100 Q (m³/h)
0 0.1 0.2 0.3 0.4 0.5 Q (m³/s)



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

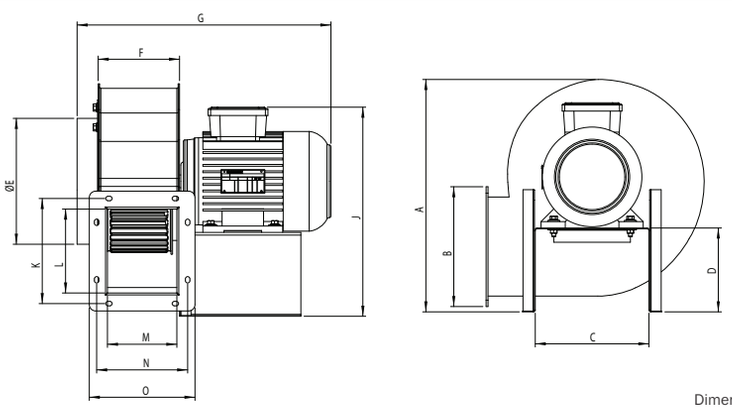
Usage Areas

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

BSC-F BYF BYH

Technical Drawing and Tables

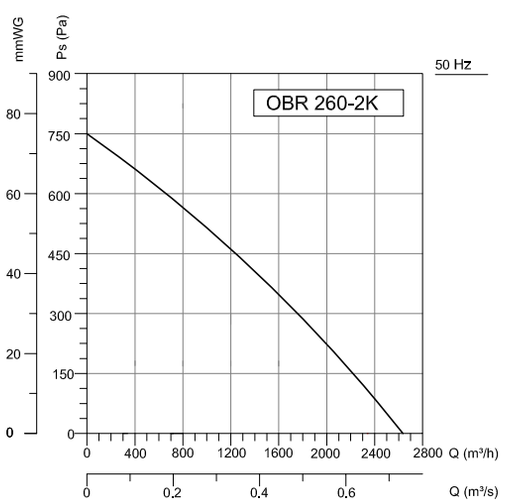


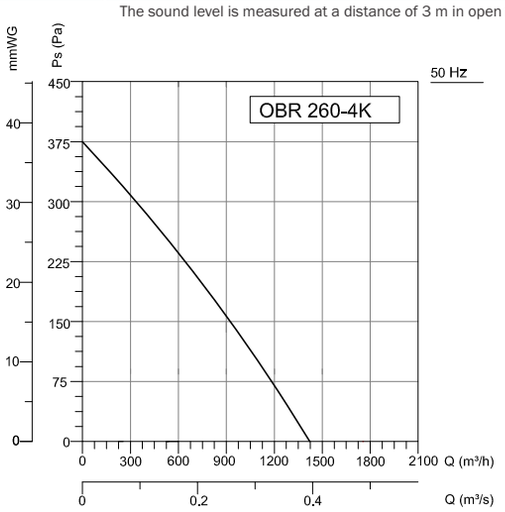
Dimensions are in (mm)

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
	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.





KMS/KTS

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. Three-phase and single-phase asynchronous motor uses.

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. It is not affected by hot and steam air currents. Speed can be adjusted 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)

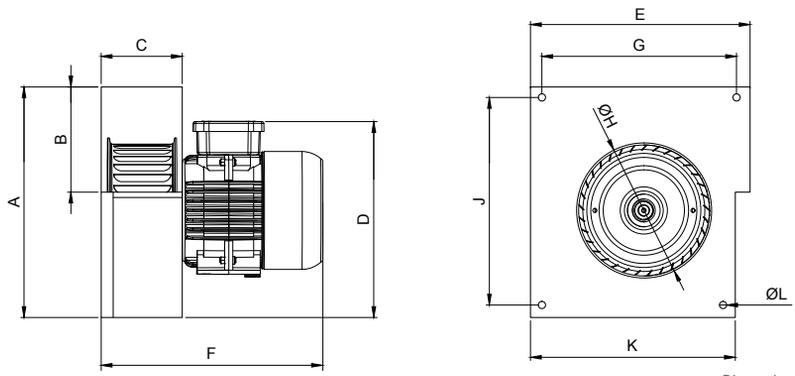
Usage Areas

Machines, steam iron machines, packaging machines and so on. used in places. Apart from the use of space ventilation, it is used by machinery manufacturers for vacuum in machines and equipments.

Accessories

BSC

Technical Drawing and Tables

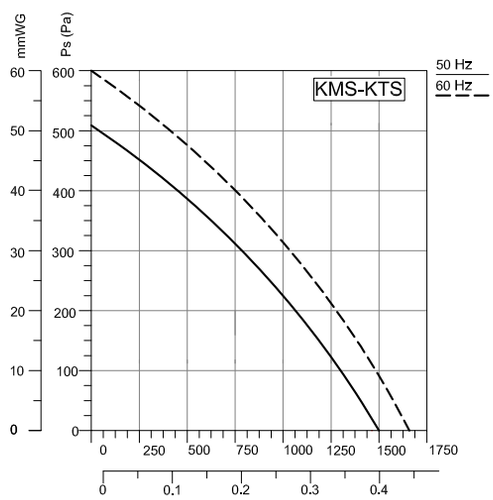


Dimensions are in (mm)

TYPE	A	B	C	D	E	F	G	H	J	K	L
KMS/KTS	278	114	106	231	248	282	198	178	235	238	8

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
KMS	230	50/60	390/590	1,9/2,6	8	2850/3150	1500/1650	60	B	44	7,5
KTS	380	50	460	1,1	-	2850	1500	60	B	44	7,5

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



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)

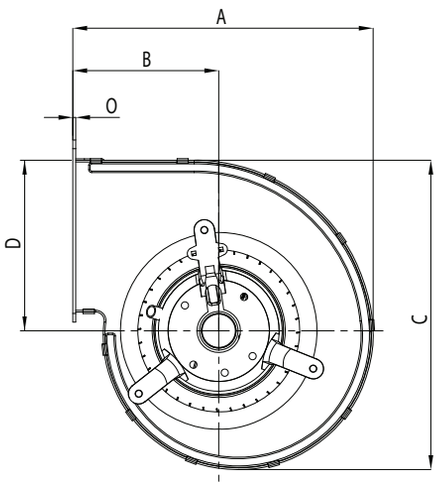
Usage Areas

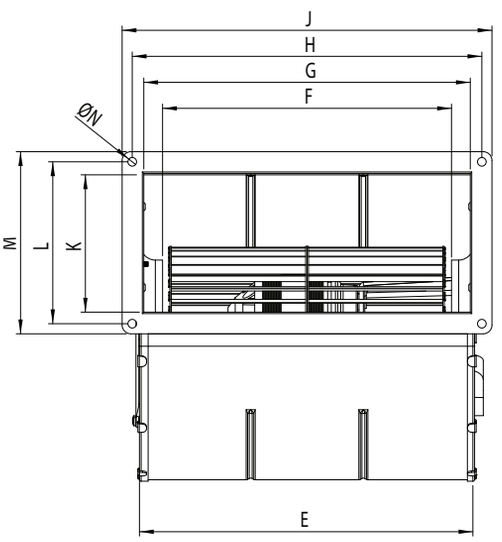
Fancoil devices, local cooling applications, low noise where desired and air conditioning devices are used for air circulation.

Accessories

BSC

Technical Drawing and Tables



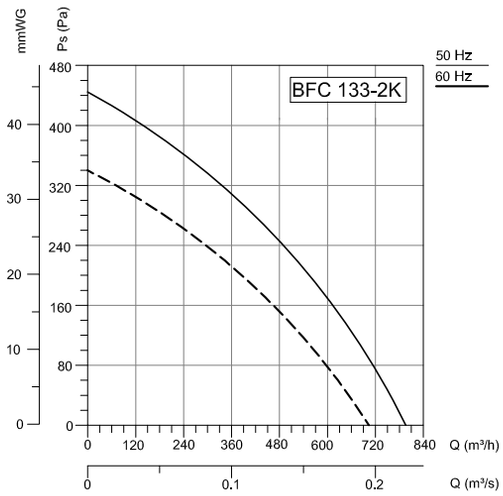


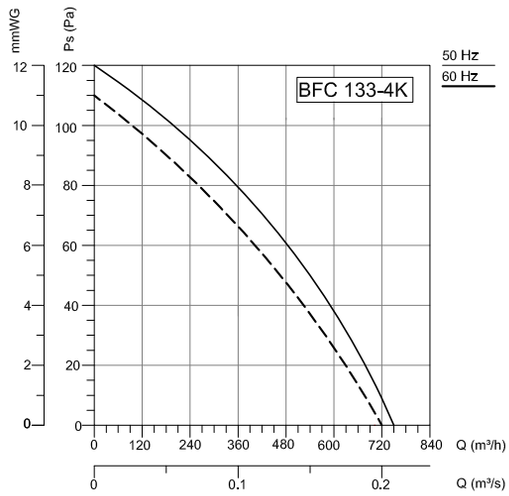
TYPE	A	B	C	D	E	F	G	H	J	K	L	M	N	O
BFC 133-146	208	101	214	118	231	200	226	242	256	95	112	126	06	2

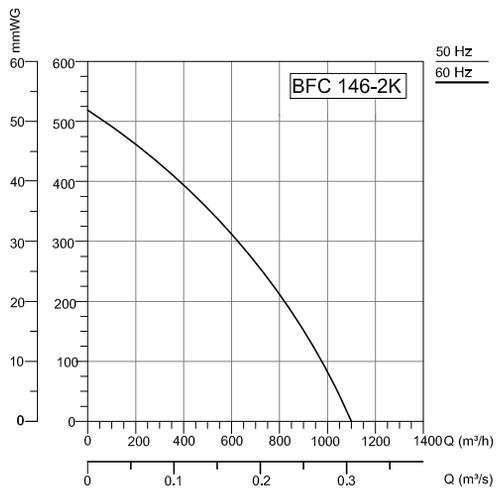
Dimensions are in (mm)

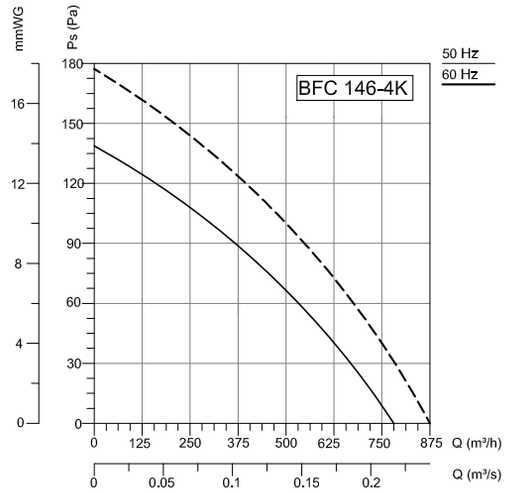
TYPE	VOLTAGE	FREQUENCY	POWER	CURRENT	CAPACITOR	SPEED	AIR FLOW	SOUND PRESSURE	INSULATION CLASS	PROTECTION CLASS	WEIGHT
	V	Hz	W	(A)	(µF)	r.p.m	m^3/h	dB(A)	Ins.cl.	IP	kg
BFC 133-2K	230	50/60	200/210	0,95/1	4	1300/1150	810/715	56	B	44	4,7
BFC 133-4K	230	50/60	95/110	0,42/0,49	3	1200/1150	750/720	55	B	44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

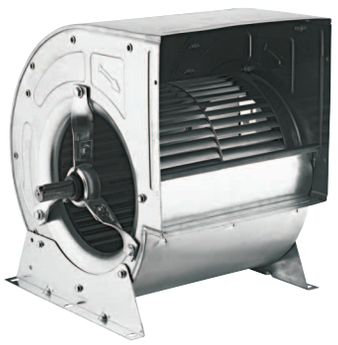
Sound Level Measured from 3m distance in room condition.


mmWG
Ps (Pa)
BFC 133-2K
50 Hz
60 Hz
Q (m³/h)
Q (m³/s)


mmWG
Ps (Pa)
BFC 133-4K
50 Hz
60 Hz
Q (m³/h)
Q (m³/s)


mmWG
BFC 146-2K
50 Hz
60 Hz
Q (m³/h)
Q (m³/s)


mmWG
Ps (Pa)
BFC 146-4K
50 Hz
60 Hz
Q (m³/h)
Q (m³/s)



BRV

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. BRV double suction centrifugal fans are manufactured as standard in different sizes between 700 m3 / h and 25.000 m3 / h. The motor and fan impeller are produced on the shaft by means of double bearing and main body with steel carriers. Mattress protectors are made of rubber.

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. Speed adjustable with belt pulley drive system. The BRV-K models are reinforced.

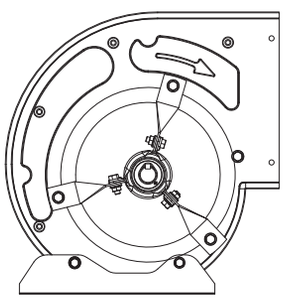
Speed Control

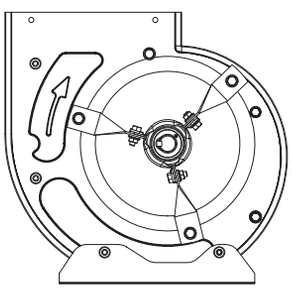
Belt pulley system is made by changing the conversion rate.

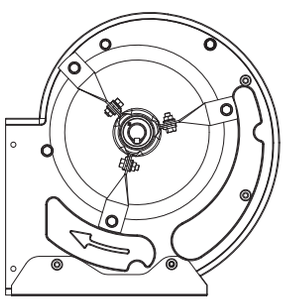
Usage Areas

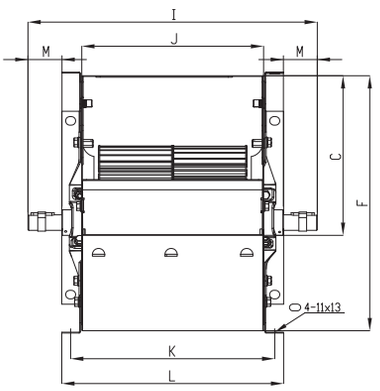
Box Fans and air handling units etc. they are preferred.

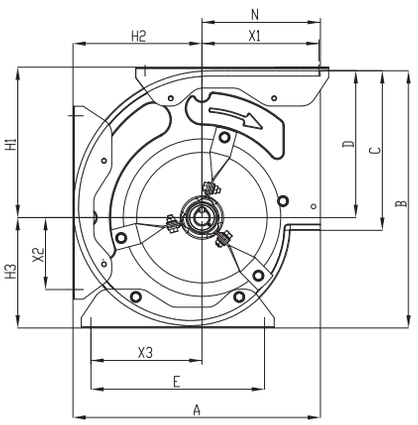
Technical Drawing and Tables

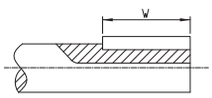


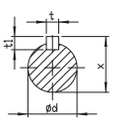












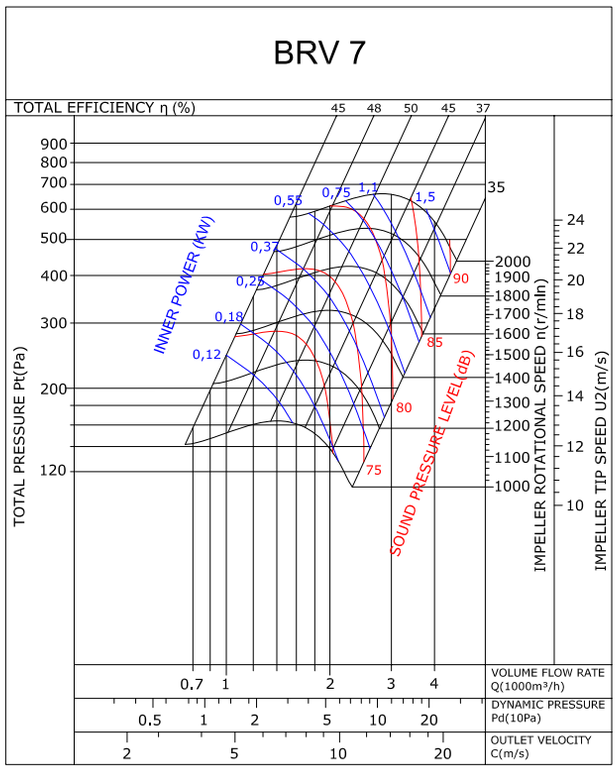
TYPE	AIR FLOW m³/h	WEIGHT kg
BRV 7/7	3500	6.1
BRV 9/9	5000	8.2
BRV 10/10	6500	9.4
BRV 12/12	10000	15.5
BRV 15/15	16000	20.7
BRV 18/18	22000	40.5
BRV-K 15/15	18000	20.7
BRV-K 18/18	25000	40.5

Sound Level Measured from 3m distance in room condition.

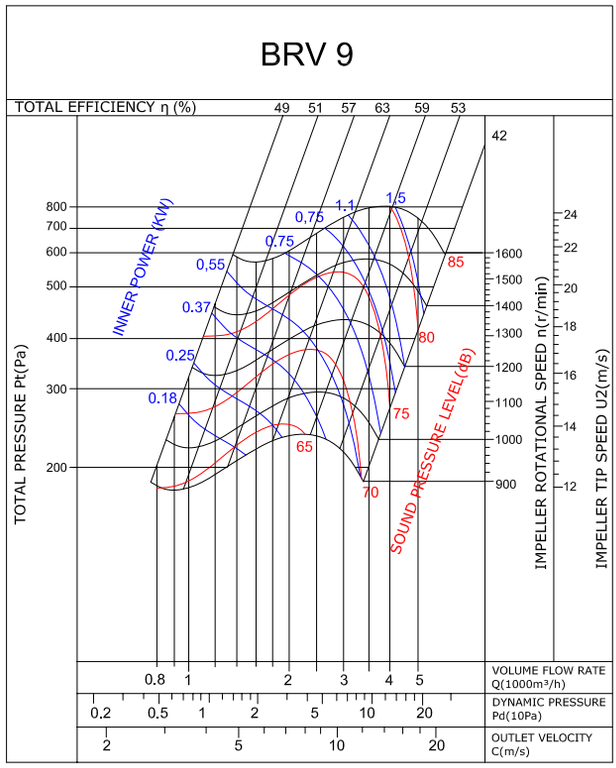
TYPE	A	B	C	D	E	F	I	J	K	L	M	N	X	t	t1	W	d	H1	H2	H3	X1	X2	X3
BRV 7/7	321	333	207	190	225	330	375	236	264.5	287.5	44	154	22.5	6	6	30	20	195	167	142	152	93	144
BRV 9/9	390	400	261	218	300	390	435	296	325.5	350.5	44	217	22.5	6	6	30	20	225	208	182	202	114	184
BRV 10/10	435	455	290	250	339	445	500	333	361	386	57	197	28	8	7	50	25	258	238	205	161	146	200
BRV 12/12	498.5	535	336	292	409	520	580	398	428	453	65	229	28	8	7	50	25	304	270	243	223	139	257
BRV 15/15	597	620	402	341	497	610	650	476	505	531	60	264	28	8	7	60	25	349	324	279	260	214	301
BRV 18/18	687	753	477	411	605.5	732	754	559	591	614	71	313	28	8	7	65	25	424.5	375	342	282	281	330

Dimensions are in (mm)

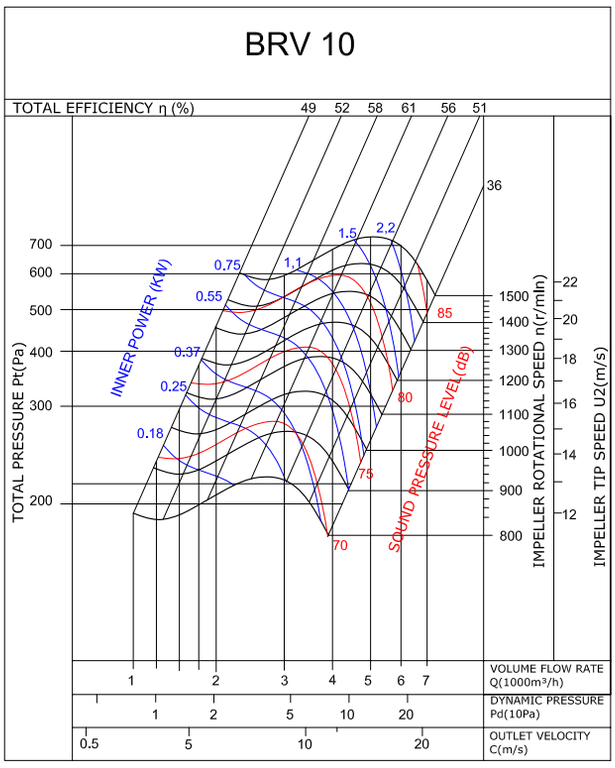
BRV 7



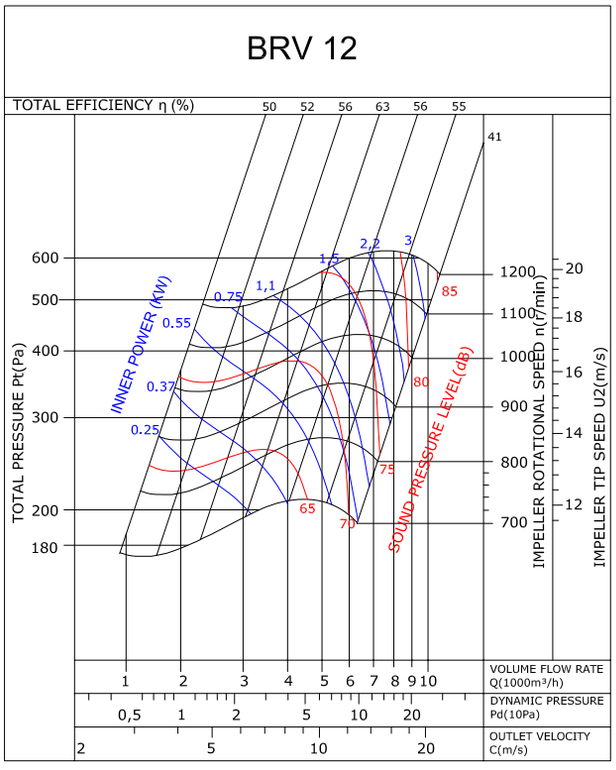
BRV 9

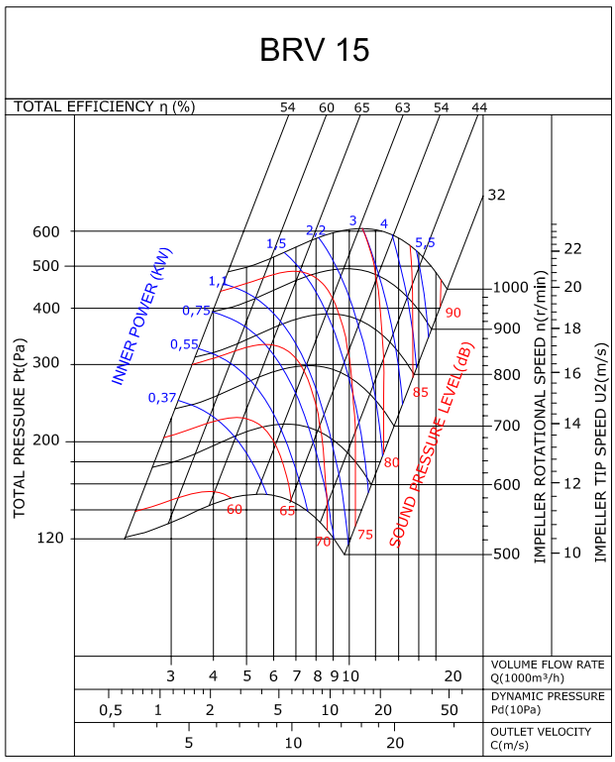


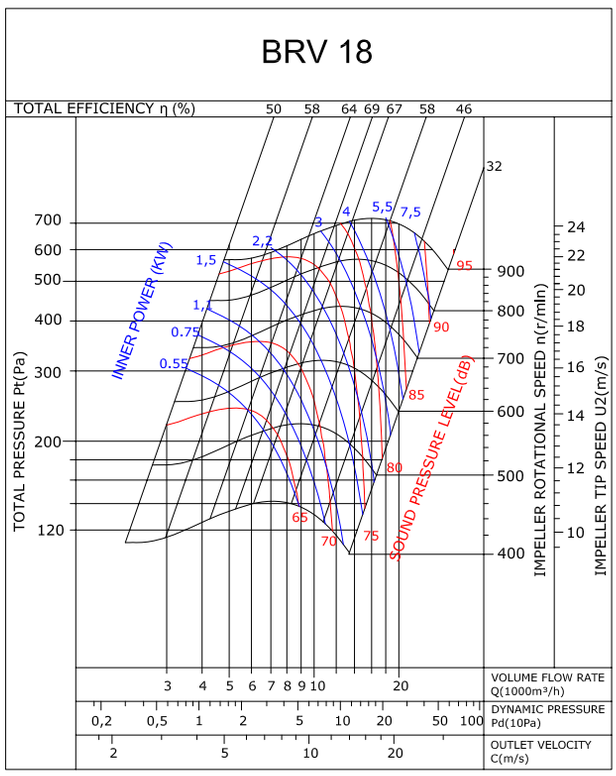
BRV 10



BRV 12







Accessories

BDEB

BDH

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.

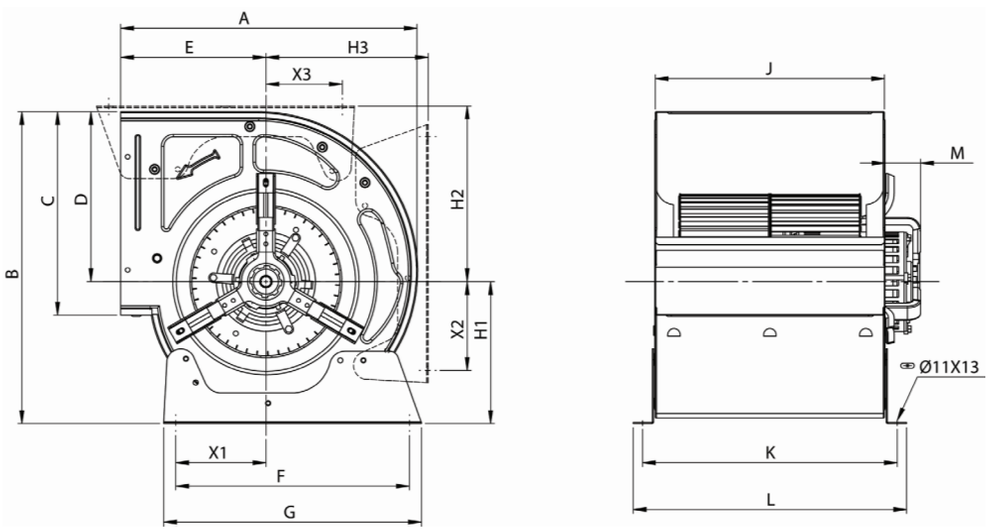
Speed Control

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	m^3/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

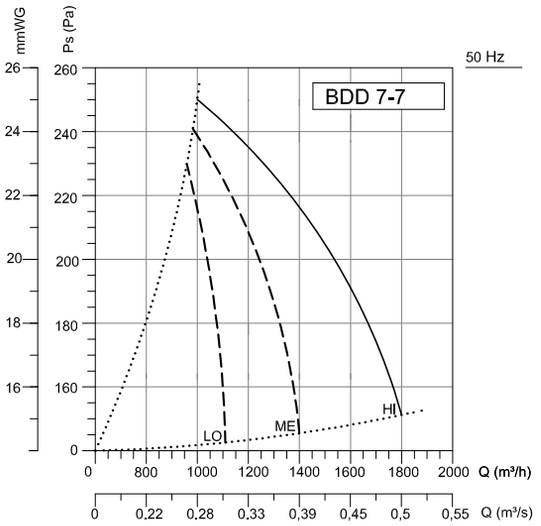
The sound level is measured at a distance of 3 m in open field condition.

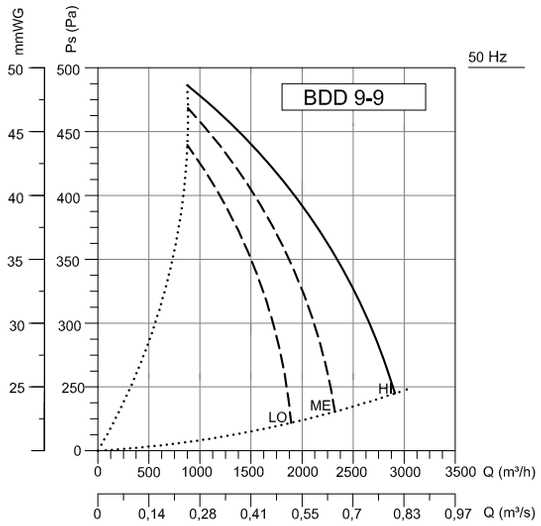
Accessories

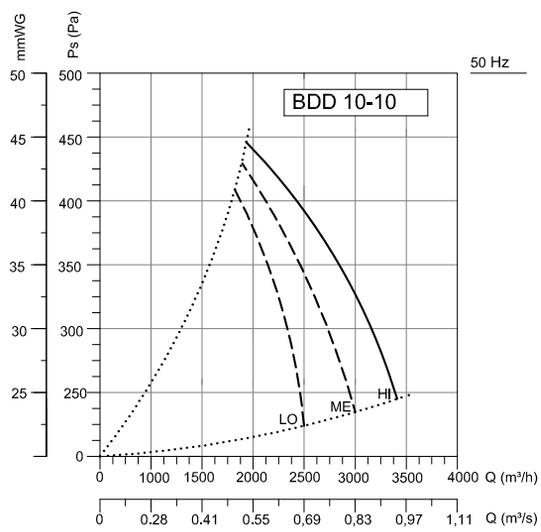

BSC-F

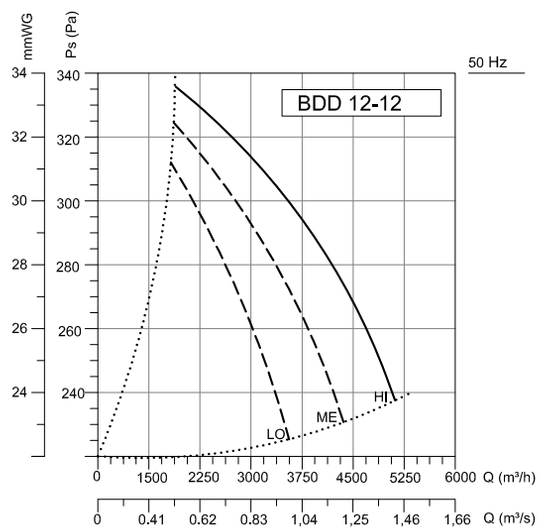

BDEB

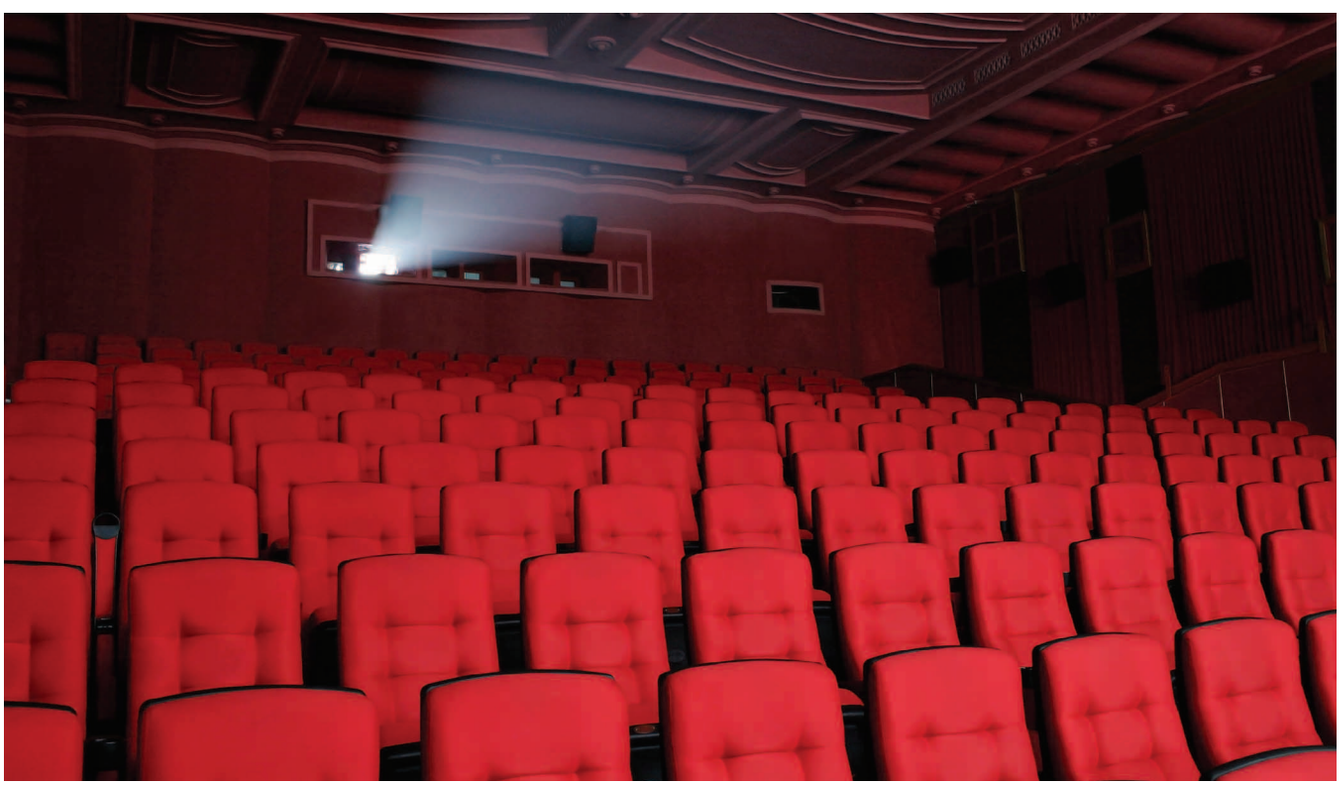

BDH


mmWG
Ps (Pa)
50 Hz
BDD 7-7
LO
ME
HI
Q (m³/h)
Q (m³/s)


mmWG
Ps (Pa)
50 Hz
BDD 9-9
LO
ME
HI
Q (m³/h)
Q (m³/s)


mmWG
Ps (Pa)
50 Hz
BDD 10-10
LO
ME
HI
Q (m³/h)
Q (m³/s)


mmWG
Ps (Pa)
50 Hz
BDD 12-12
LO
ME
HI
Q (m³/h)
Q (m³/s)



BSF

DOUBLE INLET RADIAL FANS / Backward Curved

Fan Components and Material Properties

The fan housing is made of high quality galvanized steel which is resistant to corrosion. BRV double suction centrifugal fans are produced as standard in various sizes between 1000 m3 / h and 40.000 m3 / h. The motor and fan impeller are produced on the shaft by means of double bearing and main body with steel carriers.

Fan Structure

Double suction, backward curved high pressure radial type fan. The fan wheel is manufactured from high strength resistant welded steel and streamlined to provide regular flow. Thanks to the suitable aerodynamic wing structure, it works silently.

Benefits

Produces high pressure with backward curved blade structure. It can be adjusted with belt pulley drive system or with inverter. They provide maximum performance with low energy. The fan body can rotate the fan rotor at high speeds.

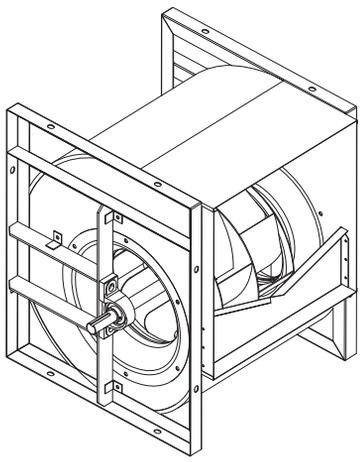
Speed Control

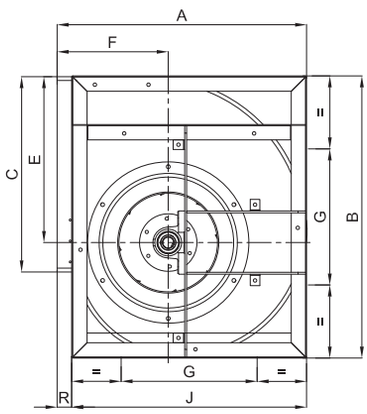
It can be provided with the optional controller.
* With belt pulley system or * 3~phase products can be controlled by frequency inverter (see BSC-F accessory)

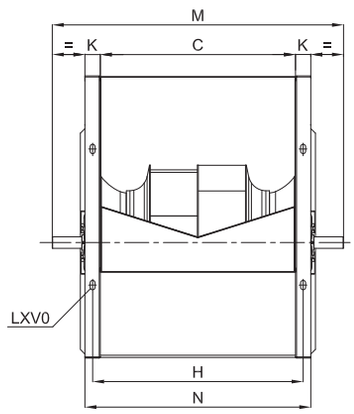
Usage Areas

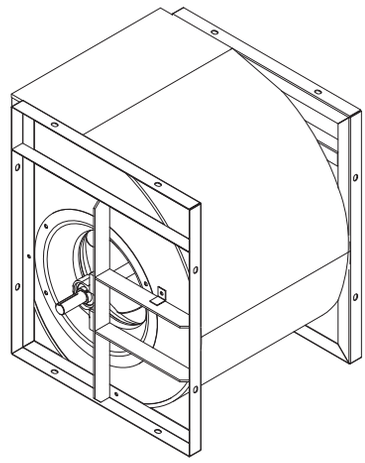
Box Fans and air handling units etc. they are preferred.

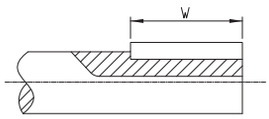
Technical Drawing and Tables

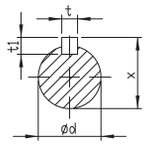










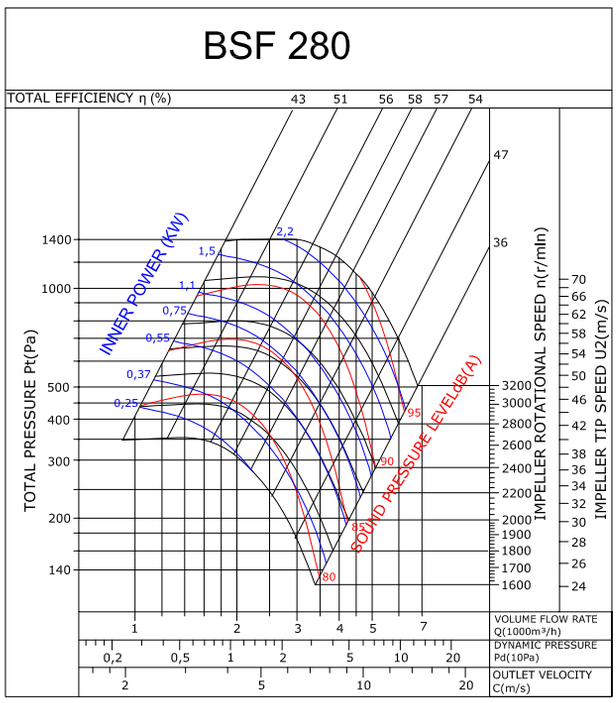


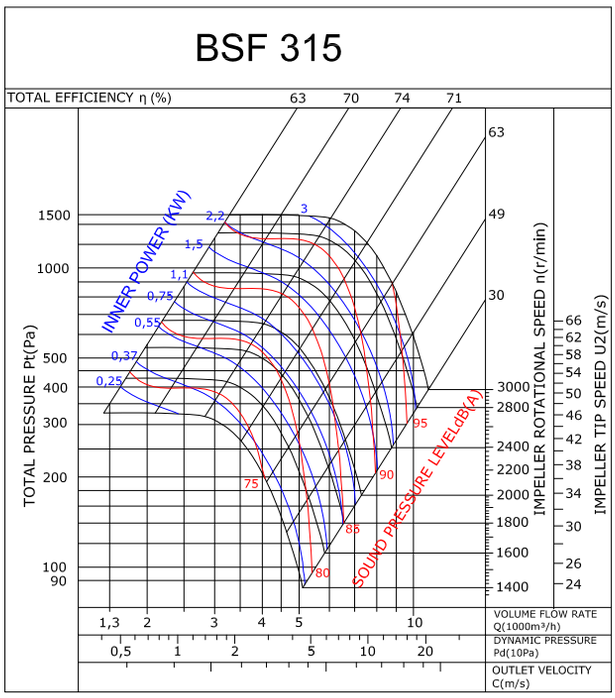
TYPE	AIR FLOW m³/h	WEIGHT kg
BSF 280	6000	22
BSF 315	8000	33
BSF 355	10000	45
BSF 400	15000	52
BSF 450	18000	68
BSF 500	26000	85
BSF 560	32000	140
BSF 630	40000	170

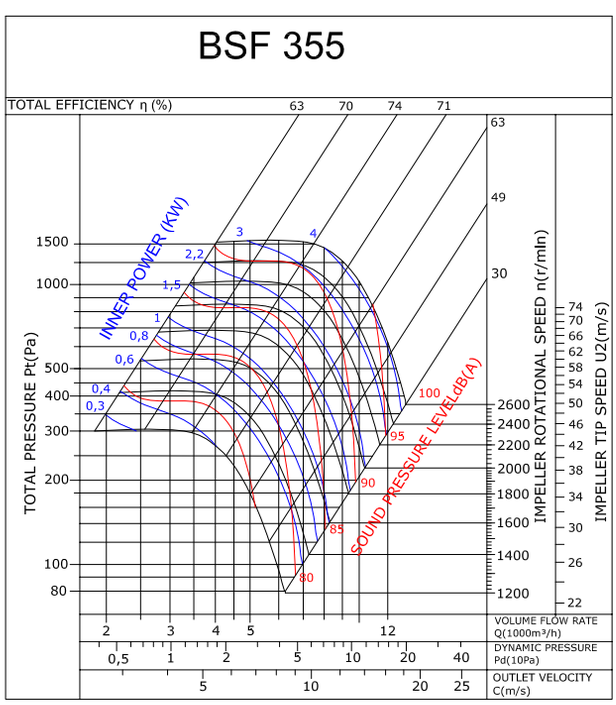
Sound Level Measured from 3m distance in room condition.

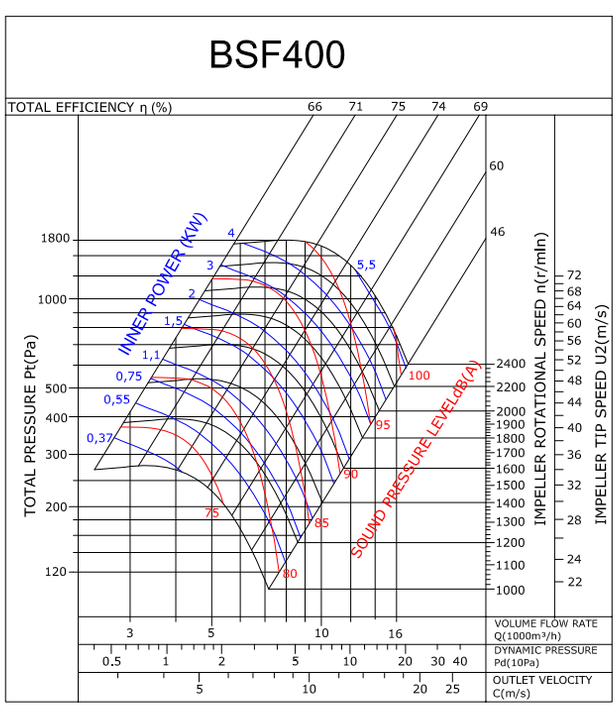
TYPE	A	B	C	E	F	G	H	J	K	M	N	R	t	t1	W	X	ØD	LXV
BSF 280	466	518	361	302	215	280	391	432	30	540	420	34	8	7	40	28	25	13X18
BSF 315	518	578	404	340	263	330	430	484	30	600	460	34	8	7	40	28	25	13X18
BSF 355	578	655	453	384	261	355	490	548	32	700	520	34	8	7	40	33	30	13X18
BSF 400	651	736	507	432	290	355	549	613	40	760	589	38	8	7	40	33	30	13X18
BSF 450	727	832	569	487	322	530	611	681	40	845	613	46	10	8	50	38	35	13X18
BSF 500	806	920	640	544	352	610	695	754	45	924	736	52	10	8	50	38	35	13X18
BSF 560	894	1031	718	609	390	685	777	842	50	1000	819	52	12	8	70	43	40	13X18
BSF 630	996	1157	801	685	434	766	866	946	50	1092	907	52	12	8	70	43	40	13X18

Dimensions are in (mm)

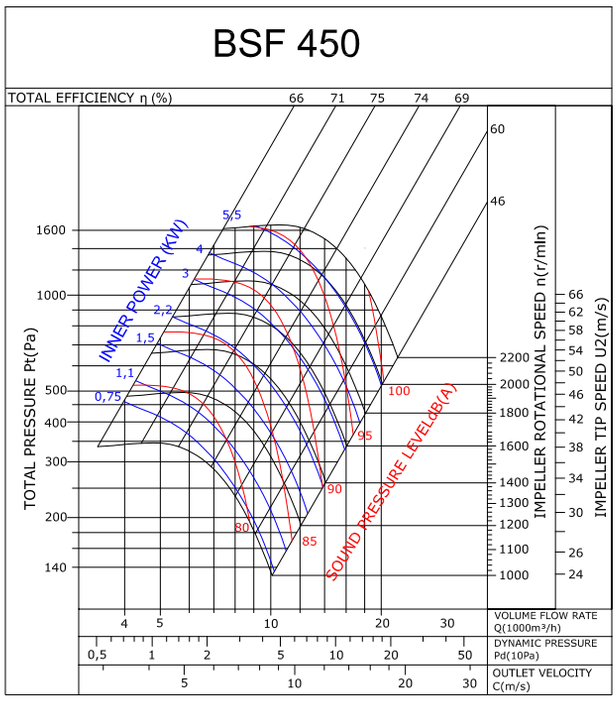

BSF 280
TOTAL EFFICIENCY η (%)
43 51 56 58 57 54
TOTAL PRESSURE Pt(Pa)
INNER POWER (KW)
SOUND PRESSURE LEVELdB(A)
IMPELLER ROTATIONAL SPEED n(r/mln)
IMPELLER TIP SPEED U2(m/s)
VOLUME FLOW RATE Q(1000m³/h)
DYNAMIC PRESSURE Pd(10Pa)
OUTLET VELOCITY C(m/s)


BSF 315
TOTAL EFFICIENCY η (%)
63 70 74 71
TOTAL PRESSURE Pt(Pa)
INNER POWER (KW)
SOUND PRESSURE LEVELdB(A)
IMPELLER ROTATIONAL SPEED n(r/min)
IMPELLER TIP SPEED U2(m/s)
VOLUME FLOW RATE Q(1000m³/h)
DYNAMIC PRESSURE Pd(10Pa)
OUTLET VELOCITY C(m/s)

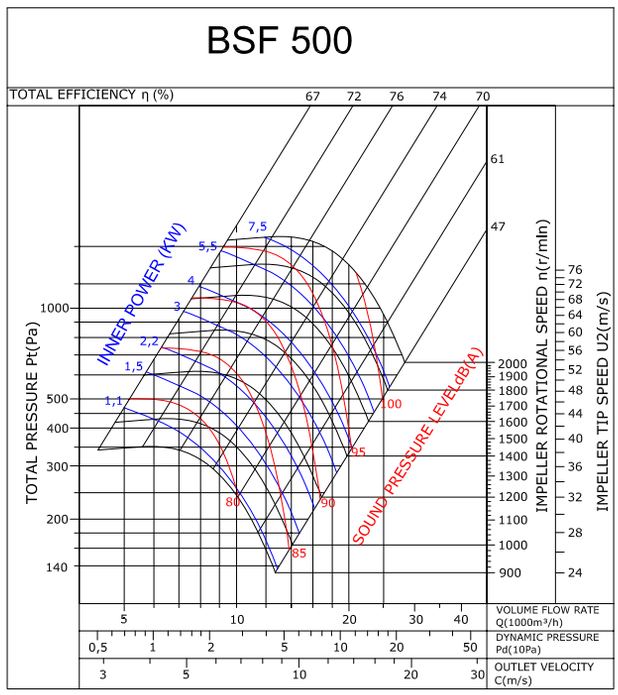

BSF 355
TOTAL EFFICIENCY η (%)
63 70 74 71
TOTAL PRESSURE Pt(Pa)
INNER POWER (KW)
SOUND PRESSURE LEVELdB(A)
IMPELLER ROTATIONAL SPEED n(r/mln)
IMPELLER TIP SPEED U2(m/s)
VOLUME FLOW RATE Q(1000m³/h)
DYNAMIC PRESSURE Pd(10Pa)
OUTLET VELOCITY C(m/s)


BSF400
TOTAL EFFICIENCY η (%)
66 71 75 74 69
TOTAL PRESSURE Pt(Pa)
INNER POWER (KW)
SOUND PRESSURE LEVELdB(A)
IMPELLER ROTATIONAL SPEED n(r/min)
IMPELLER TIP SPEED U2(m/s)
VOLUME FLOW RATE Q(1000m³/h)
DYNAMIC PRESSURE Pd(10Pa)
OUTLET VELOCITY C(m/s)

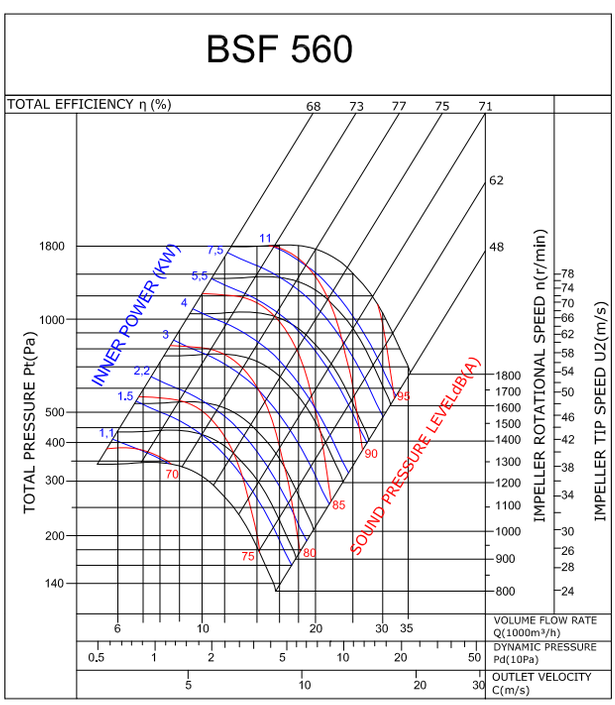
BSF 450



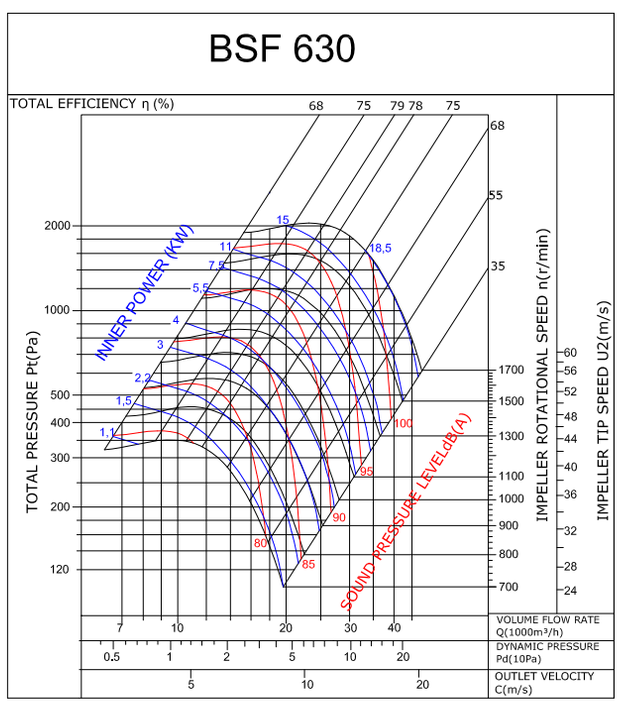
BSF 500



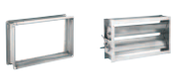
BSF 560



BSF 630



Accessories



BDEB BDH

OÇES

DOUBLE INLET RADIAL FANS / **Forward Curved**

Fan Components and Material Properties

OÇES radial fan body is made of DKP sheet metal with electrostatic powder coating, the fans operate at high efficiency and low noise level. Uses asynchronous motor and device max. It is capable of carrying air at a temperature of 40ºC.

Fan Structure

It has double suction and 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.

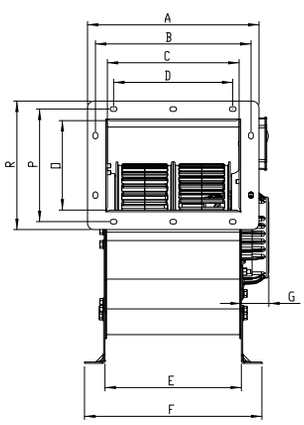
Speed Control

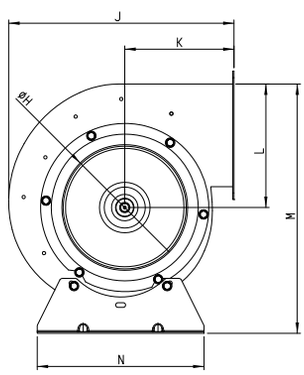
Optional control devices can be provided.
1~phase products with linear voltage regulator speed control can be done. (see BSC accessory)

Usage Areas

Greenhouses, factories, warehouses, paint shops, shopping centers, factories, plastic and packaging machines etc. It is used for ventilation of large places.

Technical Drawing and Tables



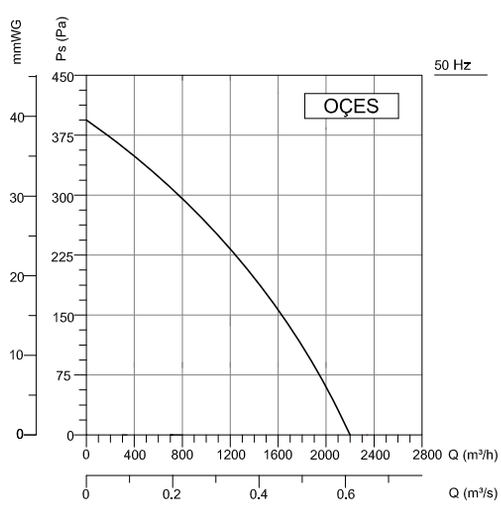


TYPE	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	R
OÇES	258	234	197	180	210	269	41	190	339	160	189	396	252	133	169	194

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
OÇES	230	50	400	1,8	10	1250	2200	45	B	44	10,3

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



Accessories

BSC BYH BYF

ÇES

DOUBLE INLET RADIAL FANS / Forward Curved

Fan Components and Material Properties

ÇES radial fan body is made of DKP sheet metal with electrostatic powder coating, fans operate at high efficiency and low noise level. Uses asynchronous motor and device max. It is capable of carrying air at a temperature of 40ºC.

Fan Structure

It has double suction and 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.

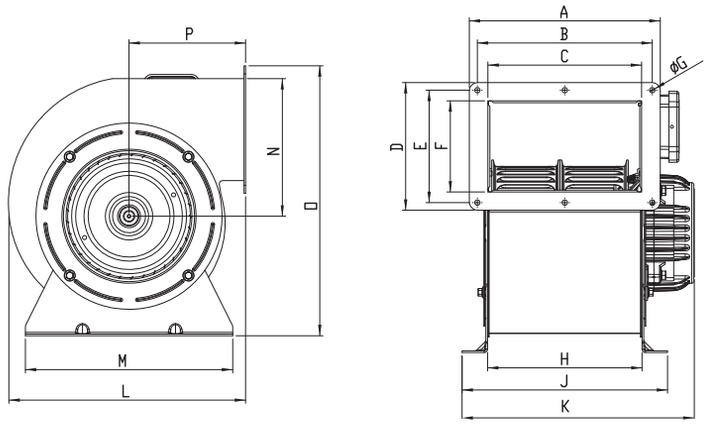
Speed Control

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

Usage Areas

Greenhouses, factories, warehouses, paint shops, shopping centers, factories, plastic and packaging machines etc. It is used for ventilation of large places.

Technical Drawing and Tables

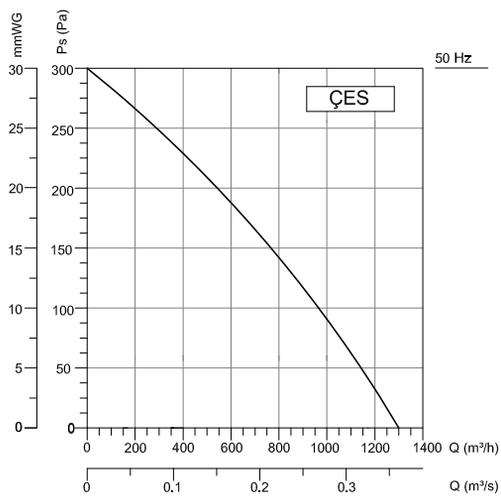


TYPE	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P
ÇES	232	213	187	155	137	111	7	188	250	282	288	252	167	328	142

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	m^3/h	dB(A)	Ins.cl.	IP	kg
ÇES	230	50	217	1,1	8	1420	1300	46	B	44	9

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



Accessories

BSC BYH BYF

BDRKF

BACKWARD CURVED FANS

Fan Components and Material Properties

The fan is made of high quality galvanized steel which is resistant to corrosion. Some models can also be manufactured in plastic or aluminum to meet application and performance requirements. All fans have an external rotor motor that creates a compact structure and have air transport at max.40°C. Motors are mounted to the fan by means of tight fitting or fasteners. Thanks to the holes on the motor cover, it can be mounted easily on the surface. The suction flange is available as an option.

Fan Structure

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. Speed can be adjusted with speed control devices.

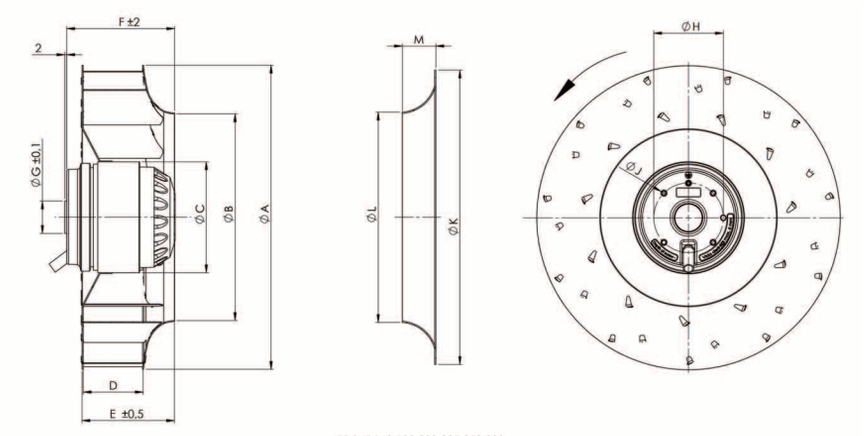
Speed Control

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

Usage Areas

They are used in air-conditioning devices and duct fans.

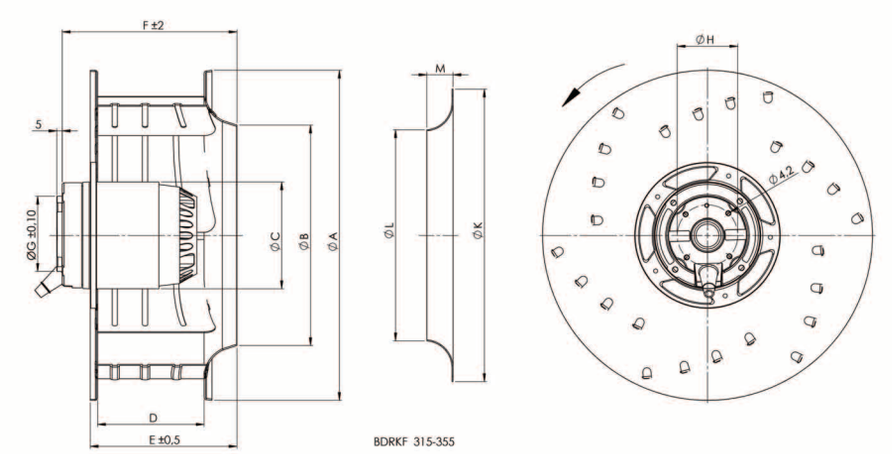
Technical Drawing and Tables



BDRKF 160-180-220-225-250-280

TYPE	A	B	C	D	E	F	G	H	J	K	L	M
BDRKF 160	162	121,5	92	40	60	75	27	58	M4	168	113	16
BDRKF 180	180	121,5	92	40	60	83	27	58	M4	168	113	16
BDRKF 220	220	159	92	44	63	73	27	58	M4	204	147	20
BDRKF 225	227	153	92	50	76	102	27	58	M4	204	147	20
BDRKF 250	252	172,5	92	50	79	92	27	58	M4	225	165	20
BDRKF 280	281	190	92	50	85	112	27	58	M4	245	173	20

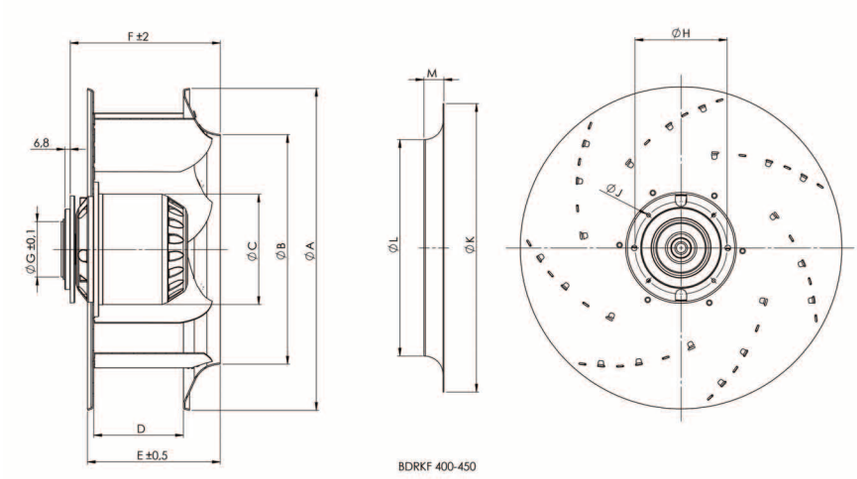
Dimensions are in (mm)



BDRKF 315-355

TYPE	A	B	C	D	E	F	G	H	J	K	L	M
BDRKF 315	316	211	102	102	141	160	75	90	M6	280	200	20
BDRKF 355	356	247	102	102	145	164	75	90	M6	310	236	20

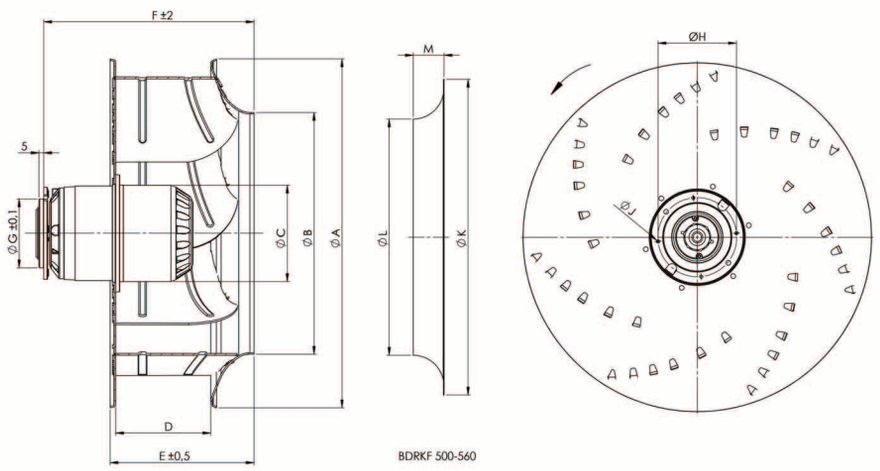
Dimensions are in (mm)



BDRKF 400-450

TYPE	A	B	C	D	E	F	G	H	J	K	L	M
BDRKF 400	404	286	138	112	166	197	100	115	M6	360	270	25
BDRKF 450	455	319	138	125	185	217	100	115	M6	382	305	25
BDRKF 500T	505	354	138	140	220	241	100	115	M6	460	344	45

Dimensions are in (mm)



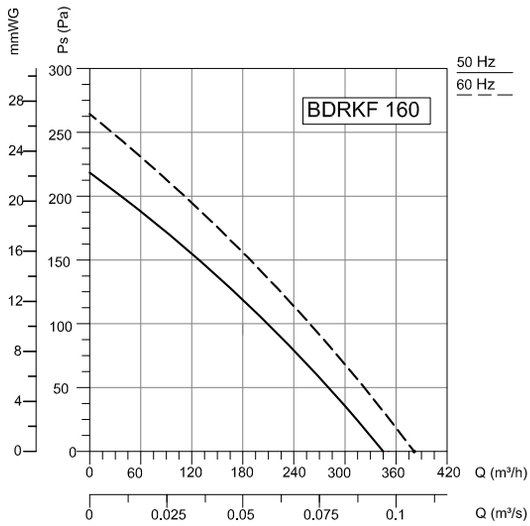
BDRKF 500-560

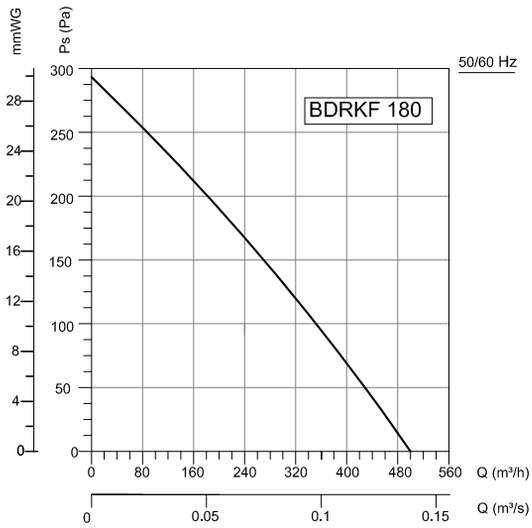
TYPE	A	B	C	D	E	F	G	H	J	K	L	M
BDRKF 500M	505	354	138	140	220	290	100	115	M6	460	344	45
BDRKF 560	565	398	138	160	233	330	100	115	M6	518	382	45

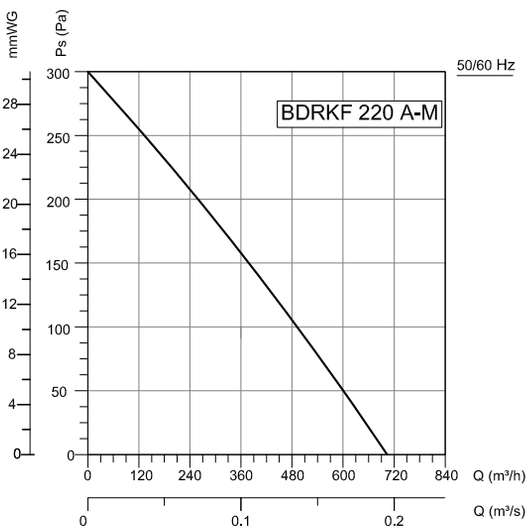
Dimensions are in (mm)

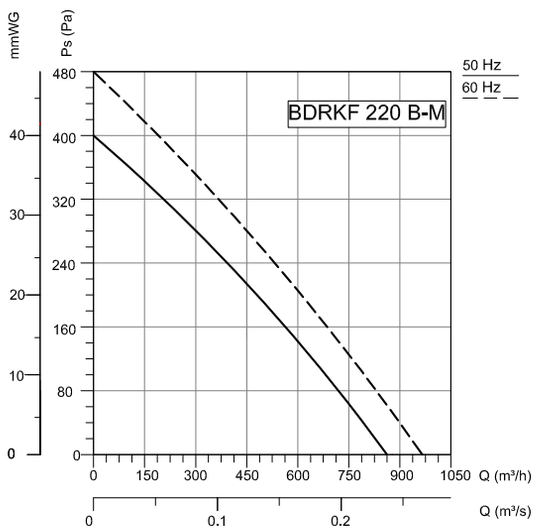
TYPE	VOLTAGE	FREQUENCY	POWER	CURRENT	CAPACITOR	SPEED	AIR FLOW	SOUND PRESSURE	INSULATION CLASS	PROTECTION CLASS	WEIGHT	PIECES IN BOX
	V	Hz	W	(A)	(µF)	r.p.m	m^3/h	dB(A)	Ins.cl.	IP	kg	AD
BDRKF 160-M	230	50/60	65/75	0,29/0,33	2	2500/2750	346/380	44	B	44	1,4	8
BDRKF 180-M	230	50/60	80/100	0,35/0,44	2,5	2400	500	52	B	44	1,6	8
BDRKF 220-A-M	230	50/60	65/75	0,30/0,35	1,5	2100	700	53	B	44	1,8	8
BDRKF 220-B-M	230	50/60	100/120	0,44/0,53	3	2450/2750	860/965	54	B	44	1,9	8
BDRKF 225-M	230	50/60	100/135	0,46/0,62	4	2650/2950	1000/1100	54	B	44	2,3	8
BDRKF 250-M	230	50/60	155/225	0,72/1	6	2600/2800	1400/1500	54	B	44	2,8	8
BDRKF 280-M	230	50/60	200/275	0,89/1,23	7	2600	1850	55	B	44	3,3	8
BDRKF 315-M	230	50/60	175/185	0,97/0,81	6	1450/1720	2200/2500	53	F	44	5,8	1
BDRKF 355-M	230	50/60	200/250	0,82/1,1	6	1400/1650	3100/3600	55	F	44	6,5	1
BDRKF 400-M	230	50/60	275/400	1,39/1,9	10	1400/1650	4300/5000	60	F	44	10	1
BDRKF 450-M	230	50/60	390/615	1,97/2,92	10	1350/1600	5750/6800	62	F	44	12	1
BDRKF 500-M	230	50	780	3,5	16	1280	7600	64	F	44	17	1
BDRKF 500-T	380Δ/Y	50 60	760/550 920/660	1,7/0,9 2,1/1,2	-	1350/1100 1500/1100	8200/6680 9100/6680	64	F	44	17	1
BDRKF 560-M	230	50	1550	7,3	25	1250	10150	66	F	44	22	1
BDRKF 560-T	380Δ/Y	50	1150/720	2,3/1,3	-	1350/1050	11000/8550	66	F	44	22	1

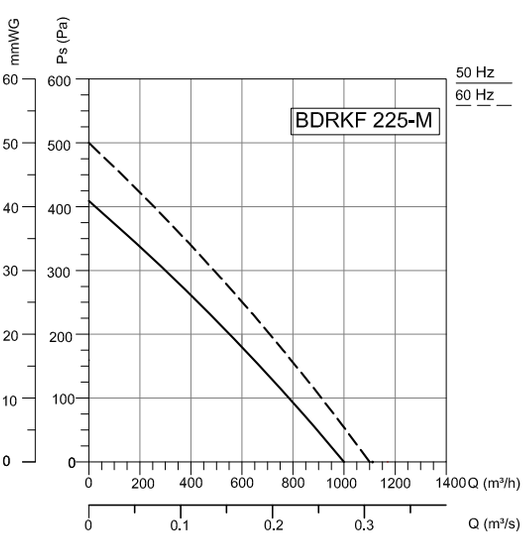
Sound Level Measured from 3m distance in room condition.

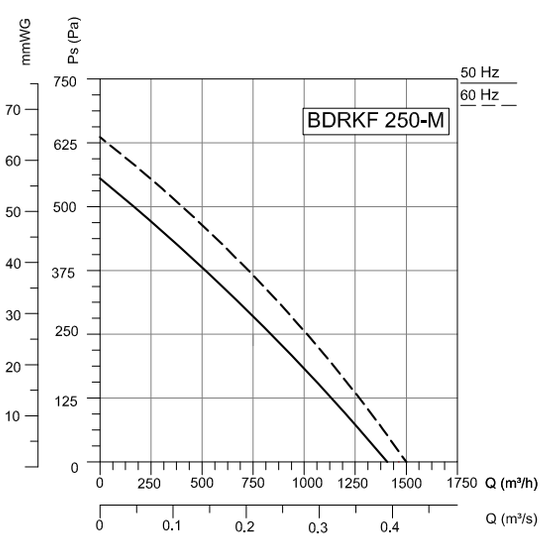

mmWG
Ps (Pa)
50 Hz
60 Hz
BDRKF 160
Q (m³/h)
Q (m³/s)

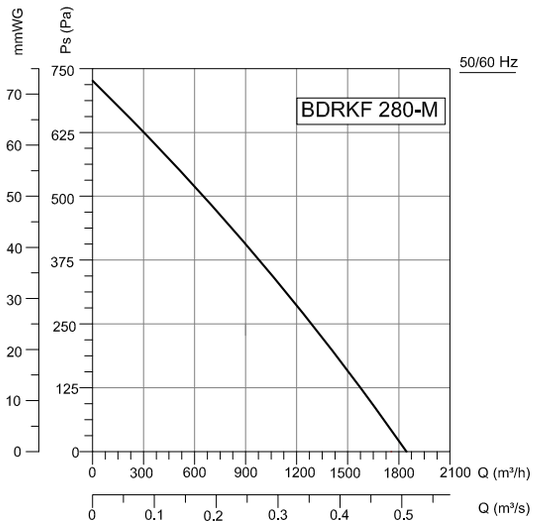

mmWG
Ps (Pa)
50/60 Hz
BDRKF 180
Q (m³/h)
Q (m³/s)

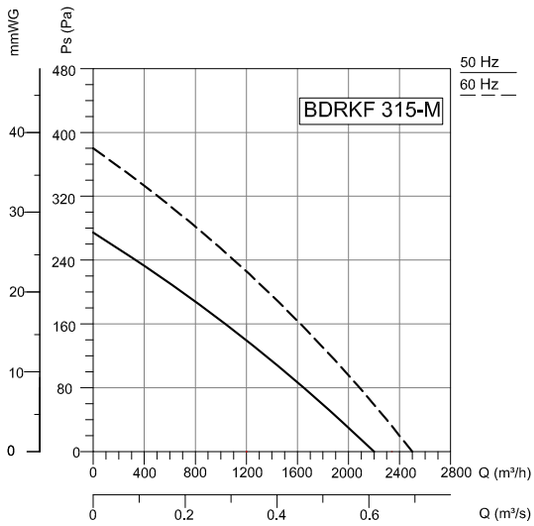

mmWG
Ps (Pa)
50/60 Hz
BDRKF 220 A-M
Q (m³/h)
Q (m³/s)

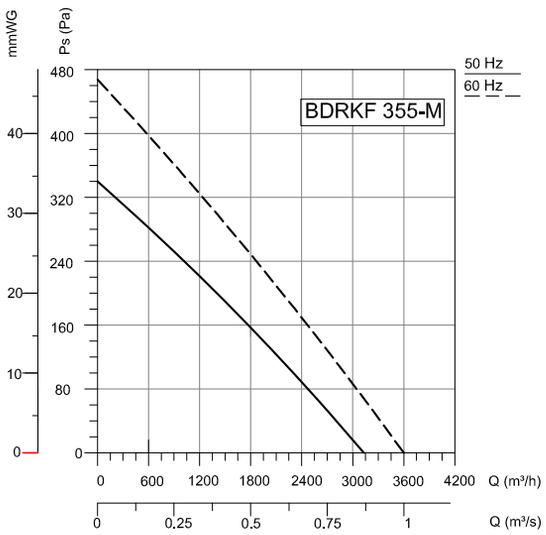

mmWG
Ps (Pa)
50 Hz
60 Hz
BDRKF 220 B-M
Q (m³/h)
Q (m³/s)

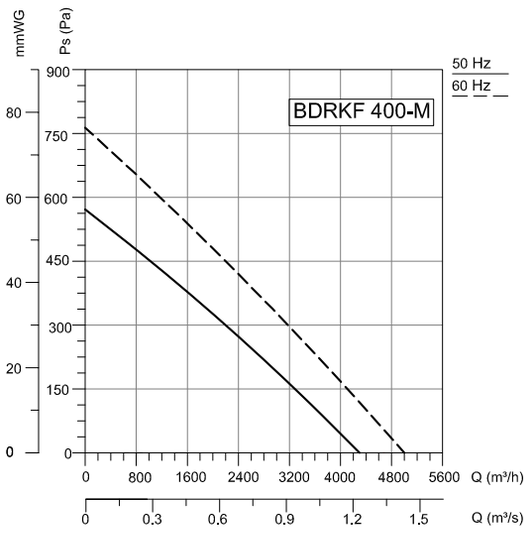

mmWG
Ps (Pa)
50 Hz
60 Hz
BDRKF 225-M
Q (m³/h)
Q (m³/s)

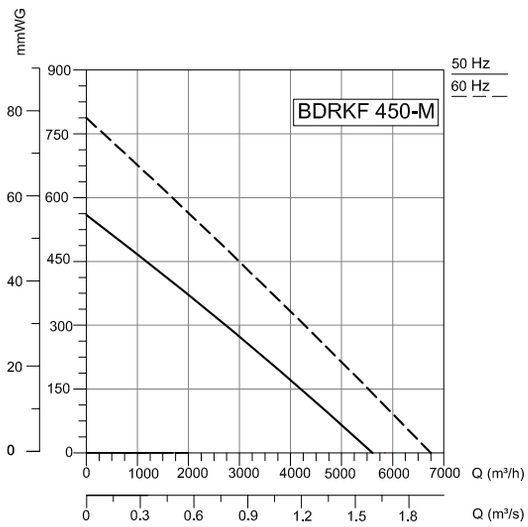

mmWG
Ps (Pa)
50 Hz
60 Hz
BDRKF 250-M
Q (m³/h)
Q (m³/s)

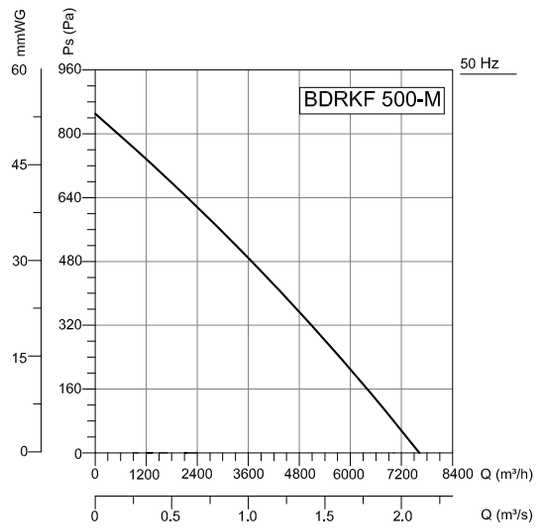

BDRKF 280-M
50/60 Hz
mmWG
Ps (Pa)
Q (m³/h)
Q (m³/s)

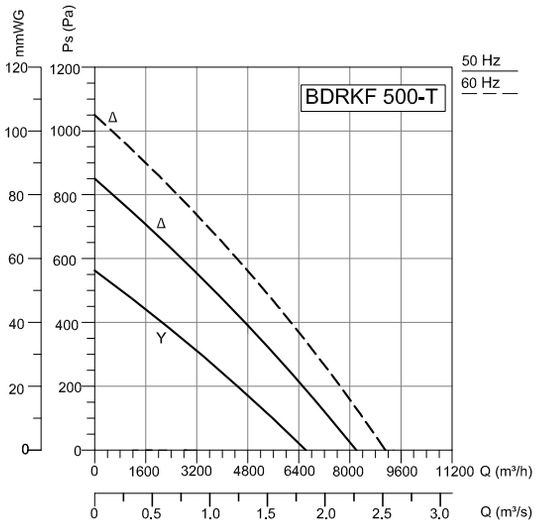

BDRKF 315-M
50 Hz
60 Hz
mmWG
Ps (Pa)
Q (m³/h)
Q (m³/s)

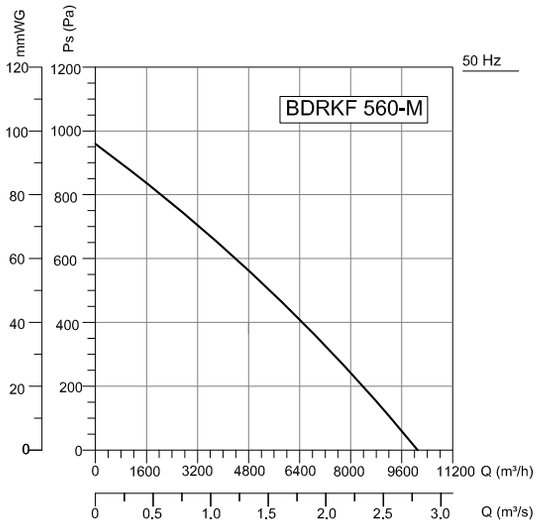

BDRKF 355-M
50 Hz
60 Hz
mmWG
Ps (Pa)
Q (m³/h)
Q (m³/s)

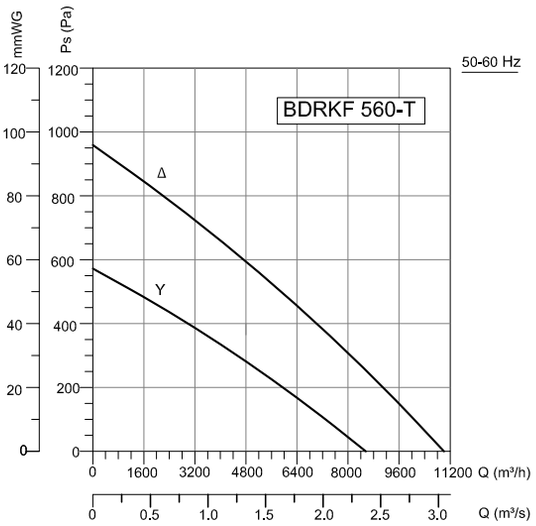

BDRKF 400-M
50 Hz
60 Hz
mmWG
Ps (Pa)
Q (m³/h)
Q (m³/s)


BDRKF 450-M
50 Hz
60 Hz
mmWG
Q (m³/h)
Q (m³/s)


BDRKF 500-M
50 Hz
mmWG
Ps (Pa)
Q (m³/h)
Q (m³/s)







Accessories

BSC

BSC-F

BASSF

FORWARD CURVED FANS

Fan Components and Material Properties

BASSF fans are made of high quality galvanized steel which is resistant to corrosion. 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 40ºC.

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.

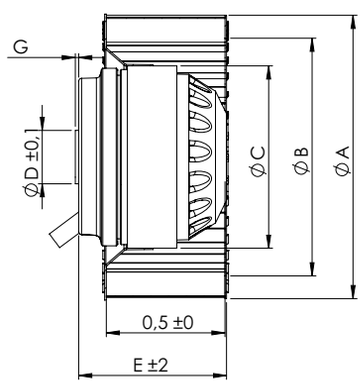
Speed Control

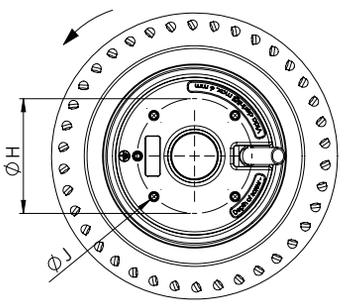
Optional control devices can be provided.
1~phase products with linear voltage regulator speed control can be done. (see BSC accessory)
3~phase products with frequency inverter speed control can be done. (see BSC-F accessory)

Usage Areas

In radial fans, duct fans, cooling of various machines, air circulation in air-conditioners etc. used in areas.

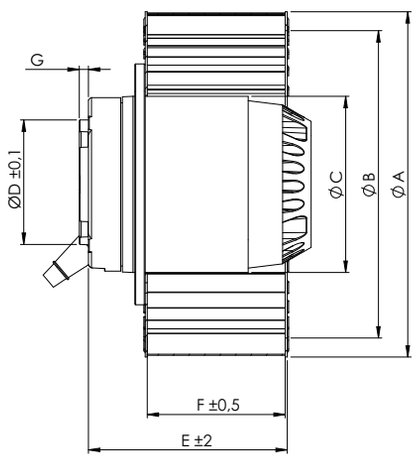
Technical Drawing and Tables

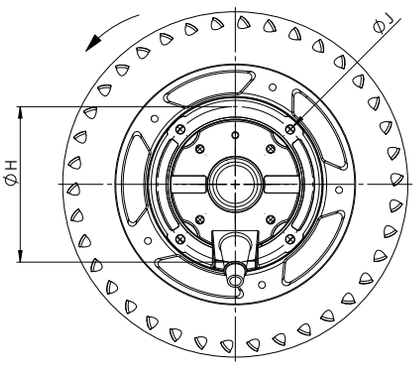




TYPE	A	B	C	D	E	F	G	H	J
BASSF 120-60	120	102	92	27	78	62	2	58	M4
BASSF 140-60	140	124	92	27	80	59	2	58	M4
BASSF 160-60	160	137	92	27	83	62	2	58	M4

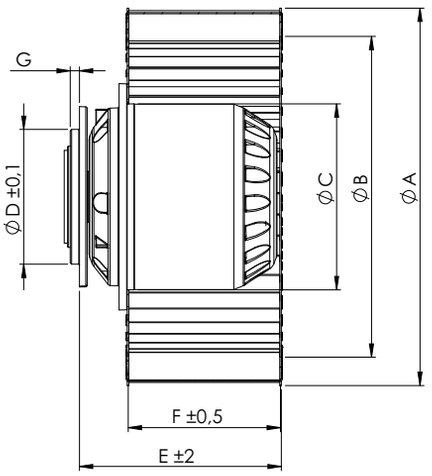
Dimensions are in (mm)

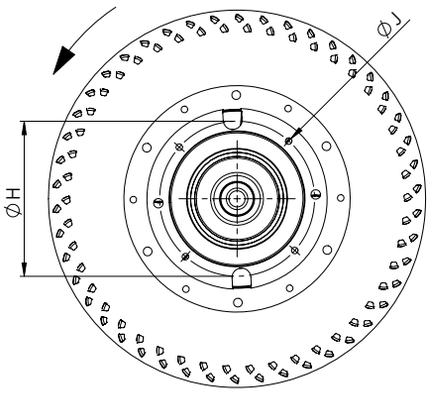




TYPE	A	B	C	D	E	F	G	H	J
BASSF 200-90	200	172	102	74	114	80	5	90	M6

Dimensions are in (mm)



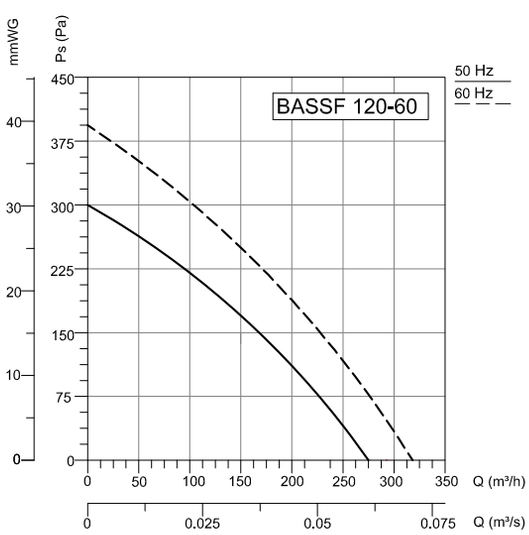


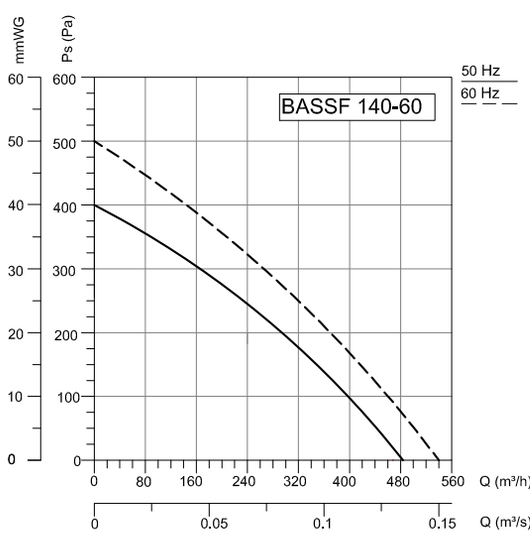
TYPE	A	B	C	D	E	F	G	H	J
BASSF 225-90	225	179	138	100	136	90	6,5	115	M6
BASSF 250-100	250	203	138	100	144	98	6,5	115	M6
BASSF 280-112	280	234	138	100	148	112	6,5	115	M6
BASSF 315-125	315	259	138	100	171	125	6,5	115	M6

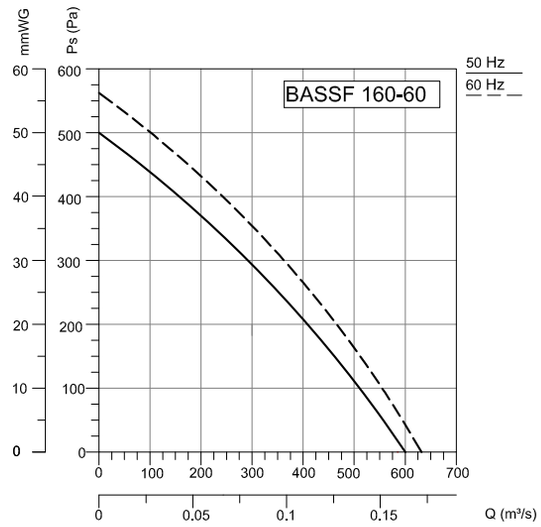
Dimensions are in (mm)

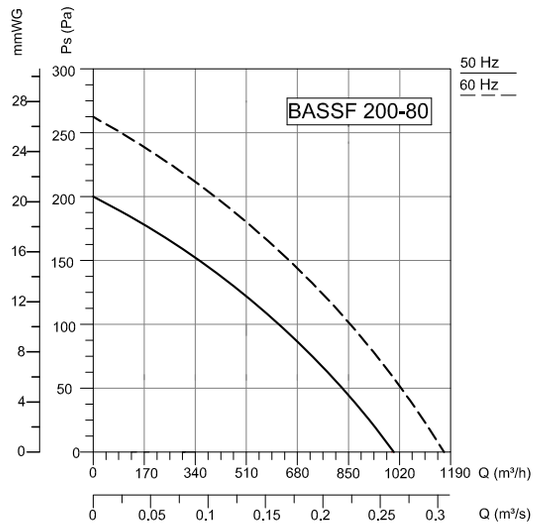
TYPE	VOLTAGE	FREQUENCY	POWER	CURRENT	CAPACITOR	SPEED	AIR FLOW	SOUND PRESSURE	INSULATION CLASS	PROTECTION CLASS	WEIGHT
	V	Hz	W	(A)	(µF)	r.p.m	m^3/h	dB(A)	Ins.cl.	IP	kg
BASSF 120-60	230	50/60	70/80	0,31/0,35	2,5	2700/3100	275/315	45	B	44	1,4
BASSF 140-60	230	50/60	110/145	0,49/0,65	4	2600/2900	485/540	47	B	44	1,8
BASSF 160-60	230	50/60	165/230	0,73/1,03	6	2600/2750	600/635	50	B	44	2,1
BASSF 200-90	230	50/60	200/240	0,9/1,1	6	1250/1450	1000/1160	53	F	44	12
BASSF 225-90	230	50/60	230/275	0,15/0,18	8	1400/1600	1600/1800	55	F	44	16
BASSF 250-100	230	50	295	2,1	14	1250	1900	58	F	44	19
BASSF 280-112	380	50	950	2,6	-	1350	2850	58	F	44	23
BASSF 315-125	380	50	1230	2,7	-	1280	4000	61	F	44	33

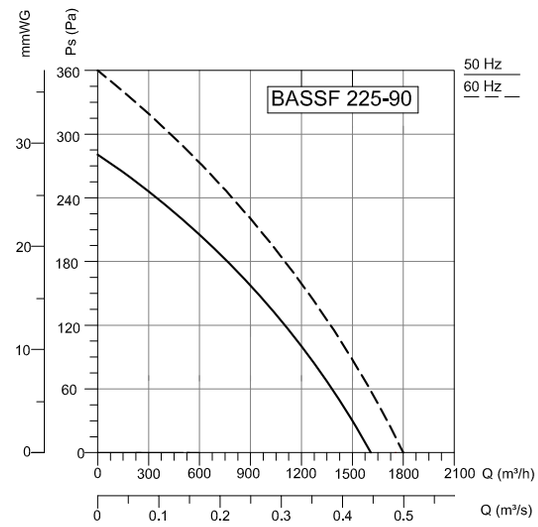
Sound Level Measured from 3m distance in room condition.

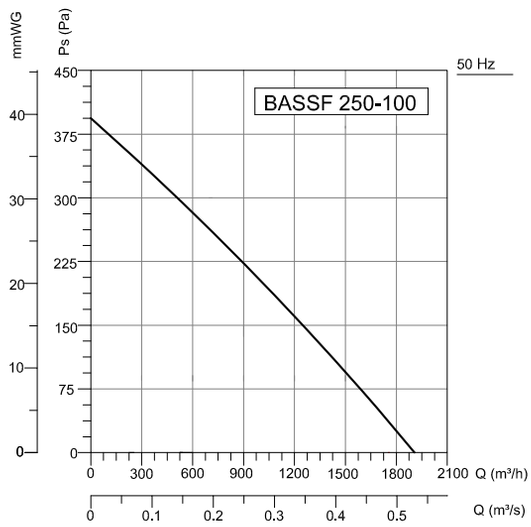


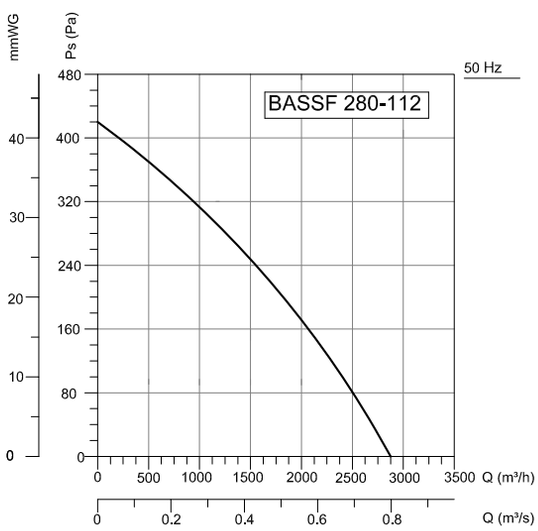


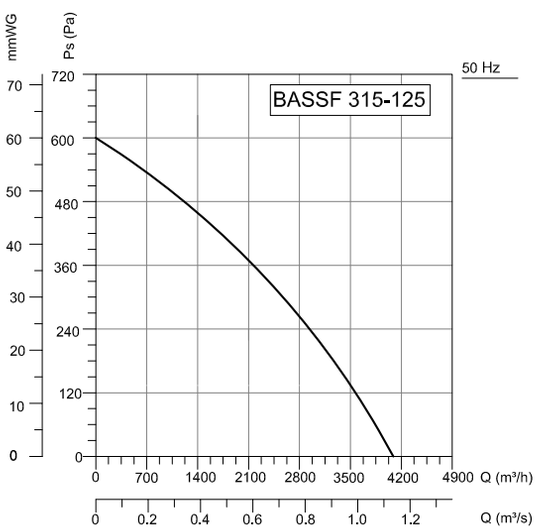












Accessories

BSC

BSC-F

BVN READY FOR BIM | EAC | TSE | CE | GOST-R | UKR-SEPRO | lead-free | RoHS 2002/95/EC | İSKİD | MEMBER OF EUROVENT

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VENTILATION SYSTEMS & ELECTRICAL MOTORS

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