



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.120°C.

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.

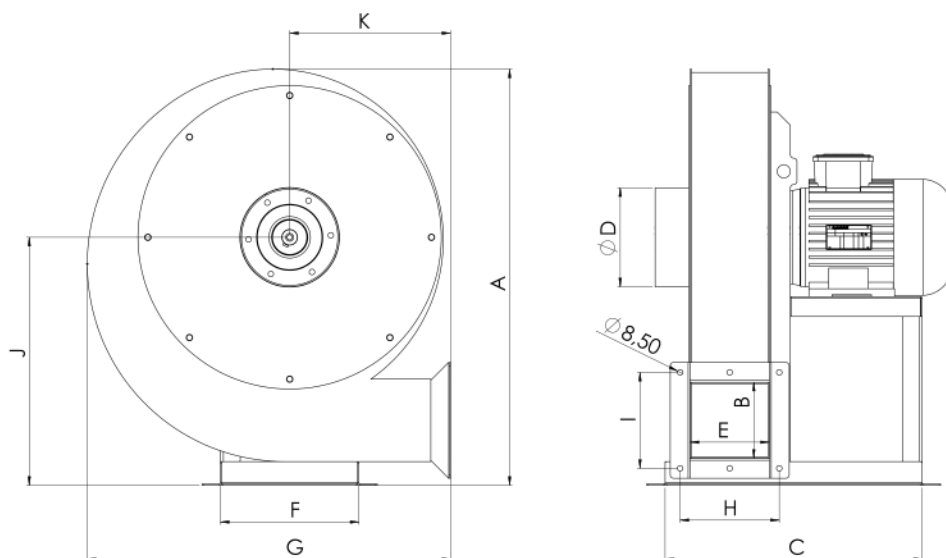
Speed Control

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	H	I	J	K
ORB 1	425	160	340	120	100	80	360	130	107	260	180
ORB 2	560	190	340	120	100	95	485	130	125	335	225
ORB 3	575	190	340	150	100	105	500	140	135	345	235
ORB 4	630	210	390	150	120	115	550	150	145	375	245
ORB 5	665	210	390	150	150	120	550	150	150	395	225
ORB 6	665	250	390	150	150	120	550	180	150	395	225
ORB 7	755	250	450	150	150	145	660	180	175	435	290
ORB 8	785	300	450	200	150	190	700	180	220	435	330
ORB 9	815	300	450	200	150	195	730	180	225	445	345

Dimensions are in (mm)

Accessories



BSC-F



BYH



BESB



BTY



BYKS



BDEB

TYPE	VOLTAGE	FREQUENCY	POWER	CURRENT	CAPACITOR	SPEED	AIR FLOW	SOUND PRESSURE	INSULATION CLASS	PROTECTION CLASS	WEIGHT
	V	Hz	kW	(A)	(μ F)	r.p.m	m ³ /h	dB(A)	Ins.cl.	IP	kg
ORB 1M	230	50	0,37	2,5	(53-64)15	2800	950	56	F	55	30
ORB 2M	230	50	0,75	5	(88-106)30	2760	1000	59	F	55	35
ORB 3M	230	50	1,1	7	(130-156)35	2770	1300	60	F	55	37
ORB 4M	230	50	1,5	9,8	(233-280)40	2820	1600	62	F	55	53
ORB 5M	230	50	2,2	13,5	(233-280)50	2800	1900	64	F	55	70
ORB 6M	230	50	3	17,7	(233-280)60	2850	2200	65	F	55	86
ORB 1T	380	50	0,37	1,1	-	2800	950	56	F	55	30
ORB 2T	380	50	0,75	1,88	-	2770	1000	59	F	55	35
ORB 3T	380	50	1,1	2,46	-	2895	1300	60	F	55	37
ORB 4T	380	50	1,5	3,2	-	2845	1600	62	F	55	53
ORB 5T	380	50	2,2	4,85	-	2840	1900	64	F	55	70
ORB 6T	380	50	3	5,9	-	2850	2200	65	F	55	86
ORB 7T	380	50	4	7,8	-	2920	2500	69	F	55	96
ORB 8T	380	50	5,5	9,9	-	2940	3000	72	F	55	108
ORB 9T	380	50	7,5	13,3	-	2930	4000	74	F	55	125

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

