



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.

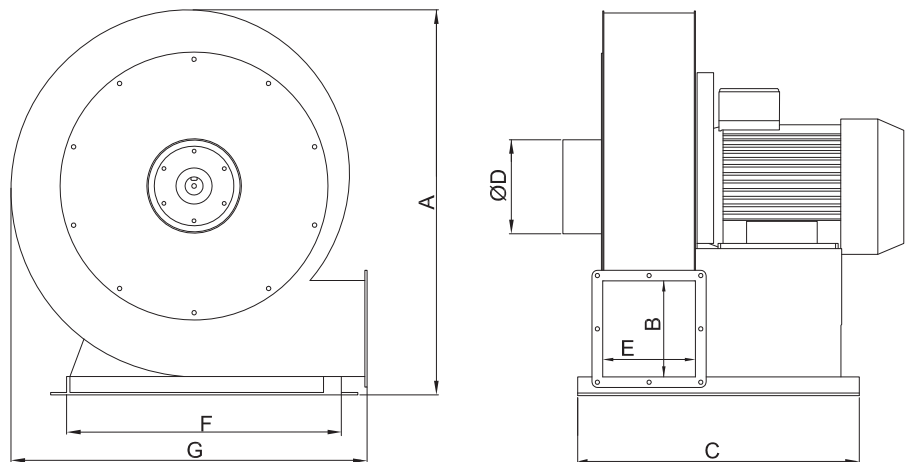
Speed Control

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 |
|-------|-----|-----|-----|-----|-----|-----|-----|
| 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



| 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 | 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.

