

AORB-M Radial Fans



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

Nominal Data

| | |
|---------------------|----------------------------|
| Voltage (nominal) | 230V |
| Frequency | 50Hz |
| Phase | 1Ph |
| Input Power | 0.575W |
| Shaft Power | 0kW |
| Maximum Shaft Power | -kW |
| Current | 2.7A |
| Impeller Speed | 2450d/d |
| Air Flow | 1200m³/h |
| Capacitor | -μF |
| Engine Speed | 2450d/d |
| IP Class | IP44 |
| Insulation Class | B |

| | |
|---------------------------------------|----------------------|
| Impulse | BN |
| Sfp Nominal | 0kW/m³/s |
| Weight | -Kg |
| Maximum Transportable Air Temperature | -20°C / +40°C |

Sound Data

| | |
|--------------------------------|---------------|
| 3m sound pressure (21m² Room) | 0dB(A) |
| 4m sound pressure (Open Area) | 0dB(A) |
| 10m sound pressure (Open Area) | 0dB(A) |

Preservation and Classification

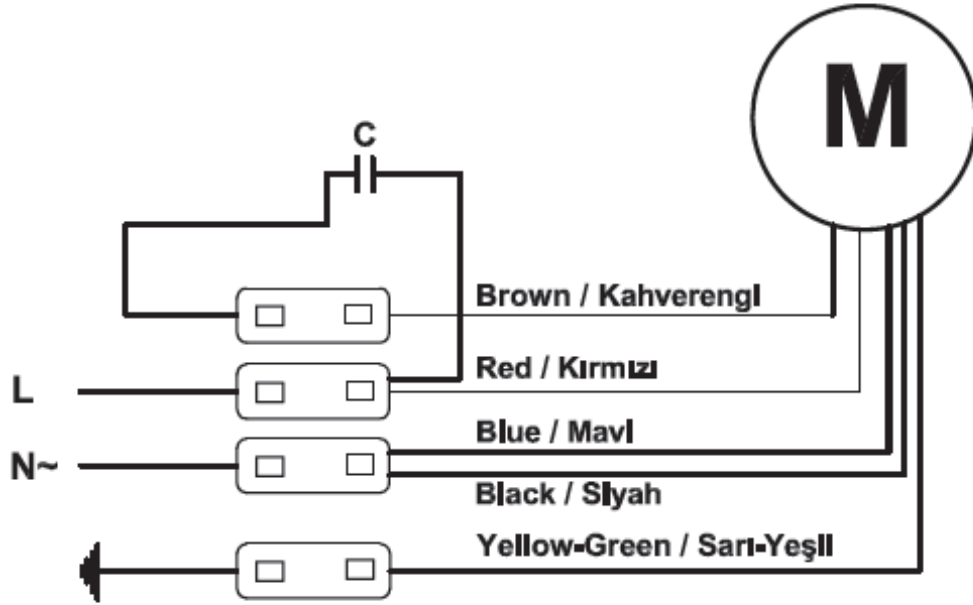
| | |
|----------------------------|------------|
| Pole | 2 |
| Motor Connection | 0 |
| Engine Type | IRM |
| Motor Power | - |
| Motor Input Power | - |
| Nominal Motor current | - |
| Maximum Current Drawn | - |
| Inrush Current | 0 |
| Engine Efficiency | IE1 |
| Atex Explosion Class Label | 0 |

Additional

| | |
|-------------------------|-------------------|
| Channel Connection Type | Dikdörtgen |
| Outlet Dimensions | - |
| Fan Diameter | - |
| Number of Wings | 0 |
| Wing Angle | - |
| Temperature Resistance | -20/40 |
| Air Outlet Velocity | 0 |

Wiring Diagram

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Description and Features