

D2D146-AF02-14 ebmpapst 230/400V AC Centrifugal Blower

SKU: D2D146-AF02-14

Price: \$969.85

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/d2d146-af02-14-ebmpapst-230-400v-ac-centrifugal-blower/>

Product Description

The ebmpapst D2D146-AF02-14 is a high-performance 3-phase AC Dual Inlet Centrifugal Blower with a 146 mm impeller diameter, designed for high-static pressure industrial cooling and ventilation. Powered by the M2D068-EC (Size 68) external rotor motor, this unit offers exceptional electrical flexibility, supporting 230 VAC Delta (Δ) or 400 VAC Star (Y) wiring configurations. It delivers a maximum air pressure of 200 Pa at 50 Hz (2100 RPM) and up to 240 Pa at 60 Hz (2200 RPM). The blower is constructed with a galvanized sheet steel scroll housing and a forward-curved impeller, ensuring durability and corrosion resistance. With a power input of 345 W (50 Hz) and 410 W (60 Hz), this 4.3 kg unit provides reliable S1 continuous-duty performance. Featuring an IP00 protection rating and H0+ environmental class, the D2D146-AF02-14 is an ideal air-moving solution for integrated industrial machinery, laboratory equipment, and 230/400V 3-phase HVAC infrastructure.

D2D146-AF02-14 Fan Parameters

Manufacturer: ebmpapst (Germany)

Model Number: D2D146-AF02-14

Motor Model: M2D068-EC (Size 68)

Phase: 3~

Type: AC Dual Inlet Centrifugal Blower (Forward-curved)

Impeller Size: 146 mm

Dimensions: 205 mm (Height) x 232 mm (Width) x 219 mm (Total Depth)

Nominal Voltage: 230 VAC (Δ) / 400 VAC (Y)

Frequency: 50 / 60 Hz

[50 Hz Operation Data]

- Speed: 2100 RPM

- Power Consumption: 345 W
- Current Draw: 0.93 A (Δ @ 230V) / 0.54 A (Y @ 400V)
- Static Pressure: 200 Pa

[60 Hz Operation Data]

- Speed: 2200 RPM
- Power Consumption: 410 W
- Current Draw: 1.06 A (Δ @ 230V) / 0.61 A (Y @ 400V)
- Static Pressure: 240 Pa

Weight: 4.3 kg

Rotor Surface: Unpainted

Impeller Material: Sheet steel, galvanized

Housing Material: Sheet steel, galvanized

Number of Blades: Forward-curved design

Direction of Rotation: Counter-clockwise (viewed toward rotor)

Degree of Protection: IP00 (Installation and position dependent)

Insulation Class: F

Moisture/Environmental Protection: H0+

Installation Position: Any

Condensation Drainage: None (Open rotor)

Mode of Operation: S1 (Continuous duty)

Motor Bearing: Ball bearing

Touch Current: < 0.75 mA (per IEC 60990, TN system)

Electrical Hookup: Axial cable

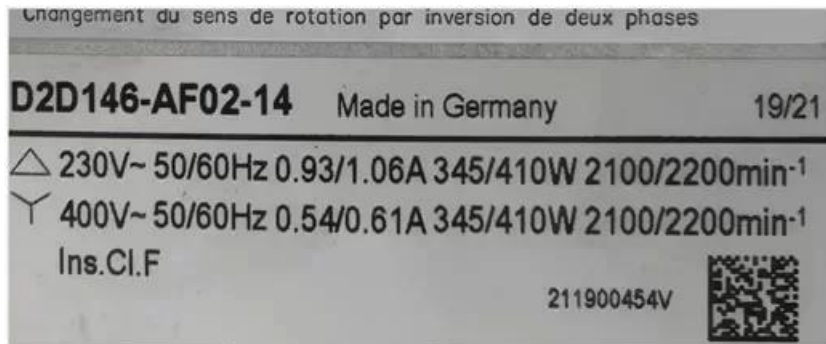
Protection Class: I (with customer connection of protective earth)

Conformity & Approvals: EN 60335-1; CE; CCC

Application

The ebmpapst D2D146-AF02-14 is a robust air-moving component for laboratory fume hoods, localized industrial process cooling, and integrated ventilation systems in machinery. Its 146 mm forward-curved galvanized impeller is optimized to maintain high static pressure (200-240 Pa), making it ideal for forcing air through dense heat exchangers or ducting. The dual-voltage 230/400V 3-phase M2D068-EC motor provides versatile electrical integration for global industrial power grids. With its compact 4.3 kg galvanized steel construction and S1 continuous-duty rating, the D2D146 provides high-velocity, reliable cooling for mission-critical industrial infrastructure where precise thermal management is required in dry environmental conditions.

Product Images







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