

# R2D220-AC14-16 ebmpapst 400V/460V AC Centrifugal Fan 220mm

**SKU:** R2D220-AC14-16

**Price:** \$311.26

**Categories:** Fans

**Tags:** ebmpapst

**Product Link:**

<https://www.electspares.com/product/r2d220-ac14-16-ebmpapst-400v-460v-ac-centrifugal-fan-220mm/>

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## Product Description

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The ebmpapst R2D220-AC14-16 is a three-phase AC Centrifugal Fan (Double Inlet Radial Fan) with a 220 mm impeller, driven by the M2D068-CF motor. It supports dual-voltage, multi-frequency operation (400 V at 50 Hz and 460 V at 60 Hz). At 400 V, 50 Hz, the fan achieves 2650 RPM, consuming 74 W of power and drawing 0.16 A. This model is designed for high-performance air handling and climate control systems.

R2D220-AC14-16 Fan Parameters

Model: R2D220-AC14-16

Manufacturer: ebmpapst

Type: AC Centrifugal Fan (Double Inlet, Forward Curved)

Motor Model: M2D068-CF

Dimensions (measuring): Impeller  $\Phi$  220 mm

Phase: 3~ (Three-phase)

Frequency: 50/60 Hz

PERFORMANCE AT 400 VAC, 50 Hz

Nominal Voltage: 400 VAC

Speed: 2650 RPM

Power Consumption: 74 W

Current Draw: 0.16 A

Max. Airflow (Free Air): 1350 m<sup>3</sup>/h (795 CFM)

Max. Static Pressure: 250 Pa (1.00 inAq)

PERFORMANCE AT 460 VAC, 60 Hz

Nominal Voltage: 460 VAC

Speed: 3080 RPM

Power Consumption: 115 W

Current Draw: Not specified

Weight: 6.5 kg

Housing Material: Sheet steel, galvanized

Impeller Material: Sheet steel, galvanized

Bearing Type: Ball Bearing

Motor Protection: Thermal Overload Protector (TOP) internally connected

Termination: Terminal Box

Installation Position: Shaft horizontal or vertical

Insulation Class: B

Service Life L10 at 40 °C: 40000 h

Min. Ambient Temperature: -25 °C

Max. Ambient Temperature: 60 °C

Approvals: VDE, UL, CSA, CE

IP Rating: IP44

Protection Class: I

#### Application

The ebmpapst R2D220-AC14-16 double inlet centrifugal fan is engineered for industrial and commercial systems operating on three-phase power. Its dual-voltage compatibility (400V/460V) makes it suitable for international deployments in HVAC central air handling units (AHUs), large air purification systems, and built-in climate control units requiring high volume flow and reliable performance against system pressure.

## Product Images

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Scan for product details:

