

ebmpapst R2E175-RA52-01 230V AC Centrifugal Fan

SKU: R2E175-RA52-01

Price: \$59.43

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/ebmpapst-r2e175-ra52-01-230v-ac-centrifugal-fan/>

Product Description

The ebmpapst R2E175-RA52-01 is an AC Centrifugal Fan with a diameter of 175mm, driven by a M2E052-CA motor. It operates on a 1-phase 230VAC supply across 50/60Hz. At 50Hz, it draws 0.21A of current with 46W power and runs at 2450RPM. At 60Hz, it draws 0.25A with 57W power and runs at 2700RPM. The impeller is made of PA plastic and has 7 blades, rotating clockwise when viewed toward the rotor. It uses a robust ball bearing system and is IP44 rated. It operates efficiently in ambient temperatures ranging from -25 to 60°C (at 50Hz) / 70°C (at 60Hz) and includes an internally connected Thermal Overload Protector (TOP). It is supplied with a variable cable and conforms to EN 60335-1 and CE standards. This high-performance centrifugal fan is suitable for applications requiring focused or high-pressure airflow, such as in control cabinets, ventilation systems, HVAC systems, and industrial equipment.

R2E175-RA52-01 Fan Parameters

Model: R2E175-RA52-01

Manufacturer: ebmpapst

Type: AC Centrifugal Fan

Motor: M2E052-CA

Phase: 1~

Dimensions: 175 mm diameter

Nominal Voltage: 230 VAC

Frequency: 50/60 Hz

Speed: 2450/2700 RPM

Power Consumption: 46/57 W

Current Draw: 0.21/0.25 A

Starting Current: 0.32/0.34 A

Capacitor: 1.5 μ F
Capacitor Voltage: 400 V
Capacitor Standard: S0 (CE)
Weight: 0.9 kg
Rotor Surface: Painted black
Impeller Material: PA plastic
Number of Blades: 7
Direction of Rotation: Clockwise, viewed toward rotor
IP Rating: IP44
Insulation Class: F
Moisture / Environmental Protection Class: H0+
Min Operating Temperature: -25 °C
Max Operating Temperature: 60/70 °C
Min Permitted Ambient Temperature (Transport/Storage): -40 °C
Max Permitted Ambient Temperature (Transport/Storage): 80 °C
Installation Position: Shaft horizontal or rotor on bottom; rotor on top on request
Condensation Drainage Holes: On rotor side
Mode: S1
Motor Bearing: Ball bearing
Touch Current: < 0.75 mA
Motor Protection: Thermal Overload Protector (TOP) internally connected
With Cable: Variable
Protection Class: I
Conformity with Standards: EN 60335-1, CE
Application: Control cabinets, ventilation systems, HVAC systems, industrial equipment.

Product Images







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