

R2E133-BE49-C02 ebmpapst 230V 133mm AC Centrifugal Fan

SKU: R2E133-BE49-C02

Price: \$129.72

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/r2e133-be49-c02-ebmpapst-230v-133mm-ac-centrifugal-fan/>

Product Description

The ebmpapst R2E133-BE49-C02 is a high-performance 230VAC AC Centrifugal Fan featuring a backward-curved, single-intake impeller, specifically engineered for mission-critical cooling in Industrial Frequency Converters and heavy-duty ventilation systems. Driven by a 1-phase 2-pole M2E052-CA external rotor motor with maintenance-free ball bearings, this 1.4 kg unit operates on a 230 VAC supply delivering a Max. Power Consumption of 48 W and a Max. Current Draw of 0.22 A at a rated speed of 2300 RPM. This High-performance unit achieves a Max. Air Flow of 114.8 CFM (195.0 m³/h / 3.25 m³/min) and a Max. Static Pressure of 25.49 mmH₂O (250.0 Pa / 1.00 inAq). Featuring an internally connected thermal overload protector (TOP) and Class F insulation, this unit with galvanized sheet steel construction is optimized for industrial VFD systems requiring robust airflow and high operational reliability in any installation position at the end.

R2E133-BE49-C02 Fan Parameters

Model Number: R2E133-BE49-C02

Motor Model: M2E052-CA

Manufacturer: ebmpapst

Type: AC Centrifugal Fan (Backward-curved, single-intake)

Impeller Size: 133 mm

Weight: 1.4 kg

Bearing Type: Ball bearing

Phase: 1~

Nominal Voltage: 230 VAC

Frequency: 50 Hz

Method of Obtaining Data: fa (Free air)

Max. Current Draw: 0.22 A

Max. Power Consumption: 48 W

Rated Speed: 2300 RPM

Max. Air Flow: 114.8 CFM (195.0 m³/h / 3.25 m³/min)

Max. Static Pressure: 25.49 mmH₂O (250.0 Pa / 1.00 inAq)

Working Air Flow: 195.0 m³/h

Static Pressure Increase: 250.0 Pa

Motor Capacitor: 1.5 μF / 400 VDB

Touch Current (IEC 60990): < 0.75 mA

Motor Protection: Thermal overload protector (TOP) internally connected

Insulation Class: Class F

Degree of Protection: IP22

Protection Class: I (if protective earth is connected)

Impeller Material: Sheet steel, galvanized

Direction of Rotation: Clockwise (viewed toward rotor)

Installation Position: Any

Condensation Drainage Holes: None

Mode: S1

Strength Class of Screws: 8.8

Ambient Temperature (Max.): 65 °C

Min. Operating Temperature: -25 °C

Max. Storage Temperature: +80 °C

Min. Storage Temperature: -40 °C

Standard Compliance: EN 60335-1; CCC

Application

The ebmpapst R2E133-BE49-C02 centrifugal fan is the primary cooling component for industrial frequency converters and modular cooling units requiring high-durability galvanized steel impellers and reliable 230V AC performance.

Product Images









Scan for product details:

