

# R2E270-AA01-05 ebmpapst 230V 270mm AC Centrifugal Fan

**SKU:** R2E270-AA01-05

**Price:** \$514.89

**Categories:** Fans

**Tags:** ebmpapst

**Product Link:**

<https://www.electspares.com/product/r2e270-aa01-05-ebmpapst-230v-270mm-ac-centrifugal-fan/>

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## Product Description

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The ebmpapst R2E270-AA01-05 is a high-performance 230VAC AC Centrifugal Fan featuring a backward-curved, single-inlet impeller, specifically engineered for mission-critical cooling in Industrial Frequency Converters and ventilation systems. Driven by a 1-phase M2E074-GA external rotor motor with maintenance-free ball bearings, this 4.7 kg unit operates at 230 VAC delivering a Max. Power Consumption of 280 / 430 W and a Max. Current Draw of 1.23 / 1.88 A at a rated speed of 2750 / 3100 RPM. This High-performance unit achieves a Max. Air Flow of 903.5 / 1000.6 CFM (1535.0 / 1700.0 m<sup>3</sup>/h / 25.58 / 28.33 m<sup>3</sup>/min) and a Max. Static Pressure of 50.99 / 61.18 mmH<sub>2</sub>O (500.0 / 600.0 Pa / 2.01 / 2.41 inAq). Featuring a thermal overload protector (TOP) and Class F insulation, this 11-blade unit with sheet steel construction is optimized for industrial VFD systems requiring steady airflow and high static pressure in any installation position at the end.

R2E270-AA01-05 Fan Parameters

Model Number: R2E270-AA01-05

Motor Model: M2E074-GA

Manufacturer: ebmpapst

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

Impeller Size: 270 mm

Dimensions: 280 x 280 x 171 mm

Weight: 4.7 kg

Bearing Type: Ball bearing

Phase: 1~

Nominal Voltage: 230 VAC

Frequency: 50 / 60 Hz

Type of Data Definition: rfa (Requirement free air)

Max. Current Draw: 1.23 / 1.88 A

Max. Power Consumption: 280 / 430 W

Rated Speed: 2750 / 3100 RPM

Max. Air Flow: 903.5 / 1000.6 CFM (1535.0 / 1700.0 m<sup>3</sup>/h / 25.58 / 28.33 m<sup>3</sup>/min)

Max. Static Pressure: 50.99 / 61.18 mmH<sub>2</sub>O (500.0 / 600.0 Pa / 2.01 / 2.41 inAq)

Working Air Flow: 1535.0 / 1700.0 m<sup>3</sup>/h

Static Pressure Increase: 500.0 / 600.0 Pa

Motor Capacitor: 10 µF / 400 VDB

Number of Blades: 11

Leakage Current: < 0.75 mA

Motor Protection: Thermal overload protector (TOP) wired internally

Insulation Class: Class F

Degree of Protection: IP44

Impeller Material: Sheet steel

Rotor Surface: Coated in black

Direction of Rotation: Clockwise, seen on rotor

Mounting Position: Shaft horizontal or rotor on bottom

Ambient Temperature (Max.): 60 / 50 °C

Min. Operating Temperature: -25 °C

Standard Compliance: CE; CCC

#### Application

The ebmpapst R2E270-AA01-05 centrifugal fan is the primary cooling component for industrial frequency converters and modular ventilation systems requiring high-performance backward-curved impellers in 230V AC environments.

## Product Images

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Scan for product details:

