

# R2E140-AS77-37/A01 ebmpapst 230V AC Centrifugal Fan

**SKU:** R2E140-AS77-37/A01

**Price:** \$99.98

**Categories:** Fans

**Tags:** ebmpapst

**Product Link:**

<https://www.electspares.com/product/r2e140-as77-37-a01-ebmpapst-230v-ac-centrifugal-fan/>

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## Product Description

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The ebmpapst R2E140-AS77-37/A01 is a high-performance 230VAC AC Centrifugal Fan featuring a forward-curved, single-inlet impeller, specifically engineered for mission-critical cooling in Industrial Frequency Converters and compact ventilation systems. Driven by a 1-phase 2-pole M2E068-BF external rotor motor with maintenance-free ball bearings, this 1.2 kg unit operates on a 230 VAC supply delivering a Max. Power Consumption of 100 / 110 W and a Max. Current Draw of 0.45 / 0.48 A at a rated speed of 1500 / 1400 RPM. This High-performance unit achieves a Max. Air Flow of 200.1 / 185.4 CFM (340.0 / 315.0 m<sup>3</sup>/h / 5.67 / 5.25 m<sup>3</sup>/min) and a Max. Static Pressure of 25.49 / 28.55 mmH<sub>2</sub>O (250.0 / 280.0 Pa / 1.00 / 1.12 inAq). Featuring a thermal overload protector (TOP) and Class B insulation, this unit with PP plastic impeller construction is optimized for industrial VFD systems requiring efficient airflow in compact environments at the end.

R2E140-AS77-37/A01 Fan Parameters

Model Number: R2E140-AS77-37/A01

Motor Model: M2E068-BF

Manufacturer: ebmpapst

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

Impeller Size: 140 mm

Dimensions: 142 x 142 x 72 mm

Weight: 1.2 kg

Bearing Type: Ball bearing

Phase: 1~

Nominal Voltage: 230 VAC

Frequency: 50 / 60 Hz

Type of Data Definition: fa (running at free air)

Max. Current Draw: 0.45 / 0.48 A

Max. Power Consumption: 100 / 110 W

Rated Speed: 1500 / 1400 RPM

Max. Air Flow: 200.1 / 185.4 CFM (340.0 / 315.0 m<sup>3</sup>/h / 5.67 / 5.25 m<sup>3</sup>/min)

Max. Static Pressure: 25.49 / 28.55 mmH<sub>2</sub>O (250.0 / 280.0 Pa / 1.00 / 1.12 inAq)

Working Air Flow: 340.0 / 315.0 m<sup>3</sup>/h

Static Pressure Increase: 250.0 / 280.0 Pa

Motor Capacitor: 2 µF / 450 VDB

Capacitor Standard: P0 (CE)

Touch Current (IEC 60990): < 0.75 mA

Motor Protection: Thermal overload protector (TOP) wired internally

Cable Exit: Variable

Insulation Class: Class B

Degree of Protection: IP44 (Depending on installation and position)

Protection Class: I (if protective earth is connected by customer)

Humidity Class: F0

Impeller Material: PP plastic

Direction of Rotation: Clockwise, seen on rotor

Installation Position: Any

Mode: S1

Ambient Temperature (Max.): 40 / 30 °C

Max. Storage Temperature: +80 °C

Min. Operating Temperature: -25 °C

Standard Compliance: EN 60335-1; CE

#### Application

The ebmpapst R2E140-AS77-37/A01 centrifugal fan is the primary cooling component for industrial frequency converters and modular air handling units requiring high-performance forward-curved impellers in 230V AC environments.

## Product Images

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Scan for product details:

