

# R2E190-AE77-B8 ebmpapst 230V 190mm AC Centrifugal Fan

**SKU:** R2E190-AE77-B8

**Price:** \$284.89

**Categories:** Fans

**Tags:** ebmpapst

**Product Link:**

<https://www.electspares.com/product/r2e190-ae77-b8-ebmpapst-230v-190mm-ac-centrifugal-fan/>

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## Product Description

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The ebmpapst R2E190-AE77-B8 is a high-performance 230VAC AC Centrifugal Fan featuring a backward-curved, single-intake impeller, designed as the definitive high-efficiency successor to the legacy R2E190-AO26-30 model, specifically engineered for mission-critical cooling in Industrial Frequency Converters and AHU systems. Driven by a 1-phase 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 58 / 75 W and a Max. Current Draw of 0.26 / 0.34 A at a rated speed of 2500 / 2700 RPM. This High-performance unit achieves a Max. Air Flow of 335.5 / 359.0 CFM (570.0 / 610.0 m<sup>3</sup>/h / 9.50 / 10.17 m<sup>3</sup>/min) and a Max. Static Pressure of 24.47 / 28.55 mmH<sub>2</sub>O (240.0 / 280.0 Pa / 0.96 / 1.12 inAq). Featuring a thermal overload protector (TOP) and Class B insulation, this 7-blade unit is optimized for industrial VFD systems requiring seamless legacy replacement and robust airflow performance at the end.

R2E190-AE77-B8 Fan Parameters

Model Number: R2E190-AE77-B8

Legacy Model: R2E190-AO26-30

Motor Model: M2E068-BF

Manufacturer: ebmpapst

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

Impeller Size: 190 mm

Dimensions: 190 x 68.5 mm

Weight: 1.2 kg

Bearing Type: Ball bearing

Phase: 1~

Nominal Voltage: 230 VAC

Frequency: 50 / 60 Hz

Method of Obtaining Data: fa (Free air)

Max. Current Draw: 0.26 / 0.34 A

Max. Power Consumption: 58 / 75 W

Rated Speed: 2500 / 2700 RPM

Max. Air Flow: 335.5 / 359.0 CFM (570.0 / 610.0 m<sup>3</sup>/h / 9.50 / 10.17 m<sup>3</sup>/min)

Max. Static Pressure: 24.47 / 28.55 mmH<sub>2</sub>O (240.0 / 280.0 Pa / 0.96 / 1.12 inAq)

Working Air Flow: 570.0 / 610.0 m<sup>3</sup>/h

Static Pressure Increase: 240.0 / 280.0 Pa

Capacitor: 2 µF / 400 VDB

Starting Current: 0.40 / 0.41 A

Number of Blades: 7

Touch Current (IEC 60990): < 0.75 mA Motor Protection: Thermal overload protector (TOP)

internally connected Insulation Class: Class B Degree of Protection: IP44 (installation-

dependent) Impeller Material: PA plastic Rotor Surface: Painted black Direction of Rotation:

Clockwise (viewed toward rotor) Installation Position: Any Ambient Temperature (Max.): 50 / 55

°C Min. Operating Temperature: -25 °C Standard Compliance: EN 60034-1; EN 60204-1; CE; UL

1004-3; CCC; CSA C22.2 No. 77 Application The ebmpapst R2E190-AE77-B8 centrifugal fan is

the primary cooling component for industrial frequency converters and modular ventilation

systems requiring high-efficiency backward-curved impellers and direct legacy replacement in

230V AC environments.

## **Product Images**

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Scan for product details:

