

R2E190-RA26-05 ebm-papst 230VAC 190mm Centrifugal Fan Datasheet



Brand: ebmpapst

SKU: [951098086691](#)

Category: Axial & Centrifugal Fans

Price: **\$104.99**

E-mail: sales@equipspares.com

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Product Page:

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Product Description

The ebm-papst R2E190-RA26-05 is a backward-curved motorized impeller designed for high-efficiency thermal management in industrial systems. Featuring a robust M2E068-BF single-phase AC motor, this unit optimizes airflow dynamics through a precision-engineered 190mm PA plastic impeller. The aerodynamic profile minimizes noise generation while maximizing static pressure capabilities, ensuring consistent performance in high-impedance environments. Built with durable ball bearings, the system offers exceptional structural rigidity and longevity. Its thermal impedance characteristics make it ideal for demanding industrial cooling applications requiring reliable continuous operation. The compact external rotor design integrates the motor directly into the impeller, saving space while improving heat dissipation.

Model Number: R2E190-RA26-05

Brand: ebm-papst

Product Type: Motorized Impeller / Centrifugal Fan

Rated Voltage: 230 VAC

Frequency: 50 / 60 Hz

Power: 52 W (50Hz) / 65 W (60Hz)

Rated Current: 0.23 A (50Hz) / 0.29 A (60Hz)

Rated Speed: 2350 RPM (50Hz) / 2500 RPM (60Hz)

Max. Air Flow: 335.5 CFM (570 m³/h / 9.5 m³/min)

Max. Static Pressure: 1.20 inH₂O (300 Pa / 30.6 mmH₂O)

Dimensions: Ø 190 mm

Weight: 1.3 kg

Life Expectancy: 40,000 Hours (L10 at 40°C)

Bearing Type: Ball Bearing

Impeller Material: PA Plastic (Polyamide, glass-fiber reinforced)

Rotor Material: Die-Cast Aluminum

Capacitor: 1.5 µF / 400 VDB

Insulation Class: B

Motor Protection: Thermal Overload Protector (TOP)

Ingress Protection: IP44

Operating Temperature: -25 °C to +60 °C

Mounting Orientation: Any

Number of Blades: 7

Direction of Rotation: Clockwise

Compliance: CE, CCC, VDE, UL

The R2E190-RA26-05 serves as a critical cooling component in various industrial architectures, specifically within electrical cabinet ventilation and variable frequency drive cooling systems. Engineers frequently deploy the R2E190-RA26-05 in telecom base stations, air filtration units, and heat exchangers where high static pressure is necessary to overcome system resistance. Additionally, this unit is suitable for usage in duct fans and specialized refrigeration equipment, ensuring thermal stability for sensitive electronics.

Supplemental Images
