

R2E220-AB06-05 ebm-papst 230VAC 220mm Centrifugal Fan Datasheet



Brand: ebmpapst

SKU: [747376000919](#)

Category: Axial & Centrifugal Fans

Price: **\$128.99**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/r2e220-ab06-05-ebm-papst-230vac-220mm-centrifugal-fan>

Product Description

The ebm-papst R2E220-AB06-05 is a high-efficiency Centrifugal Fan engineered for demanding industrial thermal management applications. Featuring an advanced external rotor AC motor integrated with a backward-curved impeller, this unit optimizes aerodynamic performance while minimizing acoustic resonance. The construction utilizes robust materials to ensure structural rigidity and long-term reliability under continuous operation. Its precision-balanced assembly reduces vibration, while the ball bearing system enhances longevity and lowers thermal impedance, making it suitable for high-back-pressure environments requiring consistent airflow delivery.

Model Number: R2E220-AB06-05

Brand: ebm-papst

Product Type: Motorized Impeller / Centrifugal Fan

Motor Type: M2E068-EC

Rated Voltage: 230 VAC

Frequency: 50 / 60 Hz

Rated Current: 0.38 A / 0.45 A

Power Input: 85 W / 100 W

Rated Speed: 2550 RPM / 2800 RPM

Max. Air Flow: 506.1 CFM (860 m³/h)

Max. Static Pressure: 38.7 mmH₂O (380 Pa / 1.52 inH₂O)

Impeller Diameter: 220 mm

Bearing Type: Ball Bearing

Capacitor: 3 μ F / 400 VDB

Insulation Class: Class B

Ingress Protection: IP44

Motor Protection: Thermal Overload Protector (TOP) wired internally

Impeller Material: PA Plastic (Polyamide), fiberglass-reinforced

Operating Temperature: -25°C to +60°C

Mounting Orientation: Any

Weight: 1.3 kg

Compliance: CE, CCC, EAC

This motorized impeller is extensively utilized in industrial ventilation systems, control cabinet cooling, and precision HVAC units. The R2E220-AB06-05 excels in applications such as variable frequency drive (VFD) cooling, cleanroom filtration modules, and telecommunications infrastructure where space is constrained but high static pressure is required. Additionally, the R2E220-AB06-05 is frequently deployed in heat exchangers and electronic equipment racks to maintain optimal operating temperatures for sensitive components.

Supplemental Images

