

R4E355-AK05-05 ebm-papst 230VAC 355mm Centrifugal Fan Datasheet



Brand: ebmpapst

SKU: [1014062509449](#)

Category: Axial & Centrifugal Fans

Price: **\$185.99**

E-mail: sales@equipspares.com

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Product Description

The ebm-papst R4E355-AK05-05 is a high-efficiency Backward Curved Centrifugal Fan designed for demanding industrial ventilation requirements. Engineered with a robust AC external rotor motor, this unit delivers superior aerodynamic performance while maintaining optimal thermal impedance under continuous operation. The motorized impeller design integrates the motor within the impeller hub, ensuring compact structural rigidity and efficient heat dissipation. Featuring a 355mm diameter, it operates effectively across 50/60Hz frequencies, providing reliable airflow for critical cooling applications. Its precision-balanced construction minimizes vibration, extending bearing life and ensuring operational stability in complex air handling systems.

Model Number: R4E355-AK05-05

Brand: ebm-papst

Product Type: Backward Curved Centrifugal Fan / Motorized Impeller

Motor Type: AC External Rotor Motor (M4E068-EC)

Rated Voltage: 230VAC

Frequency: 50 / 60 Hz

Rated Current: 0.80 / 1.14 A

Power Consumption: 180 / 260 W

Rated Speed: 1400 / 1600 RPM

Impeller Diameter: 355mm

Bearing Type: Ball Bearing

Capacitor: 6 μ F / 400 VDB

Min. Ambient Temperature: -25 °C

Max. Ambient Temperature: +55 °C (60Hz) / +65 °C (50Hz)

Impeller Material: PA Plastic / Sheet Steel

Number of Blades: 6

Insulation Class: F

Motor Protection: Thermal Overload Protector (TOP) wired internally

Mounting Orientation: Any

Weight: 3.5 kg (Approximate)

Compliance: CE, CCC

This motorized impeller is specifically engineered for integration into Fan Filter Units (FFU) and air purification systems where consistent pressure is required. The R4E355-AK05-05 excels in industrial equipment cooling, providing the necessary airflow to maintain safe operating temperatures for sensitive electronics and machinery. Additionally, the R4E355-AK05-05 is suitable for ventilation in cleanroom environments and large-scale HVAC modules, ensuring reliable air circulation and contaminant control.

Supplemental Images

