

R4E355-AK05-12 ebmpapst FFU centrifugal fan

SKU: R4E355-AK05-12

Price: \$162.85

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/r4e355-ak05-12-ebmpapst-ffu-centrifugal-fan/>

Product Description

The ebmpapst R4E355-AK05-12 is a powerful 230V AC centrifugal fan with backward-curved blades, widely used as a motorized impeller for various ventilation applications. It has an impeller diameter of 355mm and overall dimensions of Ø360mm x 172mm. Operating at 230V AC, its performance varies with frequency: at 50Hz, it consumes 180W of power, drawing 0.8A of current, and spins at 1400 RPM; at 60Hz, it consumes 260W of power, drawing 1.14A of current, and spins at 1600 RPM. This fan delivers a substantial airflow of 1730 m³/h / 1018 CFM at 50Hz and operates with a noise level of 66 - 69 dBA. It is rated IP44 for protection, features robust ball bearings, and utilizes an aluminum impeller with a black-coated rotor surface, making it an ideal medical clean FFU purification fan and suitable for other demanding ventilation tasks.

R4E355-AK05-12 Fan Parameters

Model Number: R4E355-AK05-12

Manufacturer: ebmpapst

Type: AC Centrifugal Fan / Motorized Impeller (Backward-Curved, Single Inlet)

Overall Dimensions: Ø360mm x 172mm

Impeller Diameter: 355mm

Rated Voltage: 230 VAC

Frequency: 50 Hz / 60 Hz

Rated Current:

50Hz: 0.8A

60Hz: 1.14A

Rated Power:

50Hz: 180W

60Hz: 260W

Speed:

50Hz: 1400 RPM

60Hz: 1600 RPM

Airflow (Free Air, at 50Hz): 1730 m³/h / 1018 CFM

Static Pressure (at 50Hz): Up to 201 Pa

Noise Level: 66 - 69 dBA

IP Rating: IP44

Connector: 4 Wire Leads

Bearing Type: Ball Bearing

Impeller Material: Aluminum sheet, laser-welded

Rotor Surface: Black coated

Operating Temperature: -25°C to +55°C

Weight: 4.7 kg

Features: External rotor motor, Thermal Overload Protector, Impedance protected

Approvals/Certifications: CE, CCC, UL, CSA, VDE

Key Application: Medical clean FFU purification fan

Product Images









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