

R4E355-AL02-05 ebm-papst 230VAC 355mm Centrifugal Fan Datasheet



Brand: ebmpapst

SKU: 963366771396

Category: Axial & Centrifugal Fans

Price: \$295.99

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/r4e355-al02-05-ebm-papst-230vac-355mm-centrifugal-fan>

Product Description

The ebm-papst R4E355-AL02-05 is a high-efficiency backward curved centrifugal fan designed for demanding industrial ventilation applications. Engineered with a robust AC external rotor motor (M4E074-EI), this motorized impeller optimizes aerodynamic performance through its 355mm backward-curved blade geometry, significantly reducing turbulence and noise generation. The unit features precision-sealed ball bearings that ensure long-term reliability and minimal thermal impedance under continuous operation. Its structural rigidity is reinforced by a durable glass-fiber reinforced plastic impeller, making it resistant to mechanical stress and vibration. This fan delivers superior static pressure capabilities while maintaining energy efficiency, making it an ideal solution for systems requiring consistent airflow and rigorous thermal management in restricted spaces.

Model Number: R4E355-AL02-05

Brand: ebm-papst

Product Type: Backward Curved Centrifugal Fan / Motorized Impeller

Motor Type: AC External Rotor Motor (M4E074-EI)

Rated Voltage: 230 VAC

Frequency: 50 / 60 Hz

Voltage Range: 207 - 253 VAC

Rated Current: 0.73 A (50Hz) / 0.98 A (60Hz)

Rated Power Input: 165 W (50Hz) / 225 W (60Hz)

Rated Speed: 1400 RPM (50Hz) / 1630 RPM (60Hz)
Max. Air Flow: 1345 CFM (2285 m³/h)
Max. Static Pressure: 1.81 inH₂O (450 Pa)
Impeller Diameter: 355 mm
Bearing Type: Maintenance-free Ball Bearings
Capacitor: 4 µF / 400 VDB
Impeller Material: PA Plastic (Glass-fiber reinforced)
Ingress Protection: IP44
Insulation Class: F
Motor Protection: Thermal Overload Protector (TOP) wired internally
Operating Temperature: -25°C to +60°C
Mounting Orientation: Any
Number of Blades: 6
Weight: 3.5 kg
Compliance: CE, CCC, EAC
Direction of Rotation: Clockwise, seen on rotor
Cable Length: Variable (Standard lead wire termination)

The R4E355-AL02-05 is engineered for critical air movement tasks within industrial and commercial environments where high static pressure is required. Frequently integrated into roof fans, inline duct fans, and air handling units, the R4E355-AL02-05 ensures optimal thermal regulation for electronic cabinet cooling and cleanroom filtration systems. Its compact motorized impeller design makes it suitable for heat exchangers and variable air volume systems where system resistance must be overcome efficiently. Additionally, this model is utilized in telecommunications infrastructure and server room cooling, providing reliable air exchange to prevent component overheating in continuous-duty cycles.

Supplemental Images

