R2E133-BH66-05 ebmpapst 230VAC 133mm Centrifugal Fan Datasheet

Brand: ebmpapst

SKU: 819658989921

Category: Axial & Centrifugal Fans

Price: **$198.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/r2e133-bh66-05-ebmpapst-230vac-133mm-centrifugal-fan

Product Description

The ebmpapst R2E133-BH66-05 is a high-efficiency backward curved centrifugal fan designed for critical thermal management in industrial enclosures and cabinet systems. Engineered with a robust AC external rotor motor, this motorized impeller delivers superior aerodynamic performance while maintaining exceptional structural rigidity under continuous operation. The unit features a precision-balanced impeller made from glass-fiber reinforced plastic, which significantly reduces rotational mass and optimizes airflow dynamics. Its advanced ball bearing architecture ensures low thermal impedance and extended service life, even in demanding environments. Capable of dual-frequency operation, the fan adapts seamlessly to global power standards, providing reliable cooling with minimal vibration and acoustic noise.

Model Number: R2E133-BH66-05
Brand: ebmpapst
Product Type: Motorized Impeller / Centrifugal Fan
Rated Voltage: 230 VAC
Frequency: 50 / 60 Hz
Rated Current: 0.11 / 0.13 A
Power Consumption: 24 / 27 W
Rated Speed: 2300 / 3300 RPM
Bearing Type: Ball Bearing

Impeller Diameter: 133 mm
Motor Type: AC External Rotor Motor (M2E068-BF)
Direction of Rotation: Clockwise, seen on rotor
Insulation Class: B
Ingress Protection: IP44
Impeller Material: PA plastic, glass-fiber reinforced
Mounting Position: Any
Mode of Operation: S1 (Continuous)
Phase: Single Phase (1~)
Max. Ambient Temperature: +60 / +70 °C
Termination: Lead wires
Weight: Approx. 0.7 kg
Compliance: CE, VDE

This specialized cooling component is widely utilized in industrial automation and telecommunications infrastructure, specifically within high-density server racks and control cabinets. The R2E133-BH66-05 is frequently integrated into Rittal cabinet systems to dissipate heat generated by power distribution units and variable frequency drives. By maintaining stable internal temperatures, the R2E133-BH66-05 protects sensitive electronics in CNC machinery, medical diagnostic devices, and network switchgear from thermal throttling and premature failure.

Supplemental Images