

R3G355-RG56-01 ebm-papst 200-277VAC 355mm Centrifugal Fan Datasheet



Brand: ebmpapst

SKU: [777579732524](#)

Category: Axial & Centrifugal Fans

Price: **\$1,375.99**

E-mail: sales@equipspares.com

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

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Product Description

The ebm-papst R3G355-RG56-01 is a precision-engineered EC centrifugal fan designed for critical thermal management applications. Featuring advanced GreenTech EC motor technology, this unit delivers superior energy efficiency compared to traditional AC counterparts while maintaining a compact footprint. The backward-curved RadiCal impeller is constructed from high-grade composite materials, ensuring optimal aerodynamic performance and reduced noise emissions. Its robust structural rigidity and integrated electronics provide precise speed control and diagnostic feedback. Engineered for continuous operation, the fan minimizes thermal impedance within high-density enclosures, making it an essential component for maintaining system reliability in demanding industrial environments.

Model Number: R3G355-RG56-01

Brand: ebm-papst

Product Type: EC Centrifugal Fan (Backward Curved)

Rated Voltage: 230 VAC

Voltage Range: 200 - 277 VAC

Frequency: 50 / 60 Hz

Rated Current: 2.20 A

Power Input: 470 W

Rated Speed: 2000 RPM

Bearing Type: Ball Bearing

Max. Air Flow: 1850 CFM (3143 m³/h)

Max. Static Pressure: 2.41 inH₂O (600 Pa)

Impeller Diameter: 355mm

Weight: 4.5 kg

Life Expectancy: 70,000 Hours (L10 at 40°C)

Motor Technology: EC (Electronically Commutated)

Speed Control: 0-10 VDC / PWM Control

Ingress Protection: IP54

Insulation Class: B

Noise Level: 68 dB(A)

Impeller Material: PA Plastic (Glass-fiber reinforced)

Number of Blades: 7

Operating Temperature: -25°C to +60°C

Mounting Orientation: Any

Certifications: CE, UL, CSA, VDE

Protection Features: Locked-rotor protection, Soft start, Thermal overload protection

This cooling module is specifically calibrated for high-performance data center infrastructure, serving as a direct replacement for Vertiv Liebert CRV and iTea (艾特网能) in-row air conditioning units. The R3G355-RG56-01 ensures optimal airflow distribution in server aisles, effectively managing hot spots in high-density computing racks. Additionally, the R3G355-RG56-01 is utilized in precision cooling systems for telecommunications equipment and industrial automation enclosures where consistent static pressure and variable speed control are critical for maintaining operational stability.

Supplemental Images

