R3G355-AI56-01 ebm-papst 380-480VAC 355mm IP54 Centrifugal Fan Datasheet

Brand: ebmpapst

SKU: 708639095923

Category: Axial & Centrifugal Fans

Price: **$1,211.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/r3g355-ai56-01-ebm-papst-380-480vac-355mm-ip54-centrifugal-fan

Product Description

The ebm-papst R3G355-AI56-01 is a high-efficiency EC centrifugal fan designed for demanding industrial ventilation requirements. Featuring a backward-curved impeller with a 355mm diameter, this unit integrates advanced GreenTech EC motor technology to deliver superior aerodynamic performance and reduced energy consumption. The system operates on a 3-phase 380-480VAC supply, providing precise speed control and optimized thermal impedance for critical cooling applications. Its robust construction ensures structural rigidity, while the IP54 rating offers substantial protection against dust and moisture ingress. This model is engineered for low-noise operation and long-term reliability in complex airflow systems.

Model Number: R3G355-AI56-01
Brand: ebm-papst
Product Type: EC Centrifugal Fan (Backward Curved)
Rated Voltage: 400 VAC
Voltage Range: 380 - 480 VAC
Frequency: 50/60 Hz
Rated Current: 1.75 A
Power Consumption: 950 W
Rated Speed: 2200 RPM

Bearing Type: Ball Bearing
Max. Air Flow: 1948 CFM (3310 m^3/h)
Max. Static Pressure: 2.81 inH_2O (700 Pa)
Impeller Diameter: 355 mm
Ingress Protection: IP54
Motor Technology: EC (Electronically Commutated)
Phase: 3-Phase
Mounting: Motor mounted on support bracket
Material: Aluminum / PA Plastic
Operating Temperature: -25°C to +60°C
Speed Control: 0-10 VDC / PWM

This high-performance air mover is frequently utilized in industrial ventilation systems, precision air conditioning units, and cleanroom technology. The R3G355-AI56-01 excels in applications requiring high static pressure and variable airflow, such as data center cooling arrays and large-scale electronics cabinet cooling. Additionally, the R3G355-AI56-01 is suitable for heat exchangers and filtration systems where consistent air volume and energy efficiency are paramount for operational stability.

Supplemental Images


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