

R3G355-AM29-71 ebmpapst 200-277VAC 355mm EC Centrifugal Fan Datasheet



Brand: ebmpapst

SKU: 1000976284894

Category: Axial & Centrifugal Fans

Price: **\$1,634.99**

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Product Page:

<https://www.equipspares.com/product/r3g355-am29-71-ebmpapst-200-277vac-355mm-ec-centrifugal-fan>

Product Description

The ebmpapst R3G355-AM29-71 is a precision-engineered EC centrifugal fan designed for high-efficiency thermal management in industrial applications. Utilizing advanced GreenTech EC motor technology (M3G112-EA), this unit integrates electronically commutated drive systems to optimize aerodynamic performance while significantly reducing power consumption compared to AC equivalents. The backward-curved impeller geometry ensures superior static pressure capabilities and reduced turbulence, contributing to a lower acoustic profile and enhanced structural rigidity. The fan features integrated electronics for precise speed control via 0-10V or PWM interfaces, allowing for dynamic load adjustment. Its thermal impedance is managed through optimized airflow pathways, making it suitable for demanding environments requiring consistent air movement and long operational service life.

Model Number: R3G355-AM29-71

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Product Type: EC Centrifugal Fan (Backward Curved)

Motor Type: M3G112-EA (GreenTech EC Motor)

Rated Voltage: 230 VAC

Voltage Range: 200 - 277 VAC

Frequency: 50 / 60 Hz

Rated Current: 3.15 A

Power Consumption: 715 W
Rated Speed: 2580 RPM
Bearing Type: Maintenance-free Ball Bearings
Max. Air Flow: 1942 CFM (3300 m³/h)
Max. Static Pressure: 2.61 inH₂O (650 Pa)
Impeller Diameter: 355mm
Weight: 5.8 kg
Life Expectancy: > 40,000 Hours (L10 at 40°C)
Speed Control: 0-10 VDC / PWM Control Interface
Output Signal: Tachometer Output
Ingress Protection: IP54
Insulation Class: Class B
Impeller Material: PA Plastic (Glass-fiber reinforced)
Housing Material: Die-cast Aluminum
Operating Temperature: -25°C to +60°C
Motor Protection: Thermal Overload Protector (TOP) wired internally
Approvals: UL, CSA, CE, VDE, CCC
Phase: Single Phase
Number of Blades: 7
Direction of Rotation: Clockwise (viewed toward rotor)

This high-performance air movement solution is engineered for critical applications such as data center cooling units, precision air conditioning, and industrial ventilation systems. The R3G355-AM29-71 excels in clean room filtration modules and heat exchanger arrays where consistent pressure is required. Additionally, the R3G355-AM29-71 is frequently utilized in telecommunications infrastructure and variable air volume (VAV) systems, ensuring reliable thermal regulation for sensitive electronic components.

Supplemental Images

