

R3G225-AE17-11 ebm-papst 230VAC 225mm EC Motor Centrifugal Fan Datasheet



Brand: ebmpapst

SKU: [1005308460703](#)

Category: Axial & Centrifugal Fans

Price: **\$129.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/r3g225-ae17-11-ebm-papst-230vac-225mm-ec-motor-centrifugal-fan>

Product Description

The ebm-papst R3G225-AE17-11 is a precision-engineered backward curved centrifugal fan featuring advanced EC (Electronically Commutated) motor technology. Designed for optimal aerodynamic efficiency, this unit integrates a high-performance M3G055-CF motor within a robust structural framework, ensuring minimal thermal impedance and extended operational longevity. The impeller geometry is optimized to reduce turbulence and acoustic noise while maintaining high static pressure capabilities. Its integrated electronics provide sophisticated speed control and monitoring, making it a superior choice for applications requiring precise airflow management and exceptional structural rigidity under continuous load.

Model Number: R3G225-AE17-11

Brand: ebm-papst

Product Type: EC Centrifugal Fan (Backward Curved)

Rated Voltage: 230 VAC

Frequency: 50/60 Hz

Voltage Range: 200 - 240 VAC

Rated Current: 0.42 A

Power Input: 60 W

Rated Speed: 2200 RPM

Bearing Type: Ball Bearing

Max. Air Flow: 706.3 CFM (1200 m³/h / 20 m³/min)

Max. Static Pressure: 48.9 mmH₂O (480 Pa / 1.92 inH₂O)

Impeller Diameter: 225mm

Motor Type: M3G055-CF

Weight: 1.9 kg

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

Speed Control: 0-10 VDC / PWM

Ingress Protection: IP44

Insulation Class: B

Noise Level: 68 dB(A)

Impeller Material: PA Plastic (Polyamide, Glass-fiber reinforced)

Housing Material: Galvanized Sheet Steel

Operating Temperature: -25°C to +60°C

Mounting Orientation: Any

Motor Protection: Thermal Overload Protector (TOP) wired internally

Number of Blades: 7

Phase: 1~

Certifications: CE, UL, CSA, CCC

The R3G225-AE17-11 is extensively utilized in critical air handling systems where efficiency and quiet operation are paramount. Specifically engineered for high-end air purification units, this module ensures rapid air exchange rates in residential and commercial environments. Furthermore, the R3G225-AE17-11 serves as a reliable component in compact HVAC systems, electronics cooling cabinets, and cleanroom filtration setups, delivering consistent performance in demanding thermal management scenarios.

Supplemental Images

