

R3G225-RE07-03 ebmpapst 230VAC 225mm EC Centrifugal Fan Datasheet



Brand: ebmpapst

SKU: [919448127359](#)

Category: Axial & Centrifugal Fans

Price: **\$348.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/r3g225-re07-03-ebmpapst-230vac-225mm-ec-centrifugal-fan>

Product Description

The ebmpapst R3G225-RE07-03 is a backward-curved centrifugal fan engineered for high-efficiency thermal management in industrial environments. Integrating advanced EC (Electronically Commutated) motor technology, this unit optimizes aerodynamic performance while significantly reducing power consumption compared to traditional AC variants. The design features a robust composite impeller directly coupled to the external rotor motor, ensuring minimal vibration and superior structural rigidity under load. Its maintenance-free ball bearing architecture supports continuous operation, providing low thermal impedance and extended service life. The intelligent electronics allow for precise speed modulation via PWM or 0-10V control, making it ideal for dynamic cooling requirements where acoustic noise and energy efficiency are critical parameters.

Model Number: R3G225-RE07-03

Brand: ebmpapst

Product Type: EC Centrifugal Fan (Backward Curved)

Rated Voltage: 230VAC

Voltage Range: 200 - 240 VAC

Frequency: 50/60 Hz

Rated Current: 0.70 A

Power Input: 85 W

Rated Speed: 2550 RPM

Bearing Type: Ball Bearing

Max. Air Flow: 788.7 CFM (1340 m³/h / 22.3 m³/min)

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

Impeller Diameter: 225mm

Weight: 1.5 kg

Motor Type: M3G055-CF

Motor Technology: EC (Electronically Commutated)

Speed Control: 0-10 VDC / PWM

Signal Output: Tachometer Output

Ingress Protection: IP54

Insulation Class: B

Impeller Material: PA Plastic (Glass-fiber reinforced)

Number of Blades: 7

Direction of Rotation: Clockwise (viewed toward rotor)

Operating Temperature: -25°C to +60°C

Mounting Position: Shaft horizontal or rotor on bottom

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

Compliance: CE, UL, CSA, VDE, CCC

Termination: Lead wires

The R3G225-RE07-03 is specifically designed for demanding ventilation tasks in compact air handling units and precision cooling systems. Frequently utilized in IT infrastructure, the R3G225-RE07-03 ensures optimal airflow for server rack cooling and data center heat exchangers where consistent pressure is required. Its robust construction also suits industrial cabinet cooling, variable air volume (VAV) systems, and cleanroom filtration units. Additionally, this model is deployed in telecommunications base stations and renewable energy inverters, providing reliable thermal regulation in environments subject to fluctuating ambient temperatures.

Supplemental Images

