

G3G560-RA25-21/F02 ebm-papst 400VAC 560mm Centrifugal Fan Datasheet



Brand: ebmpapst

SKU: [758096647882](#)

Category: Axial & Centrifugal Fans

Price: **\$3,394.99**

E-mail: sales@equipspares.com

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Product Description

The ebm-papst G3G560-RA25-21/F02 is a high-efficiency EC centrifugal fan module belonging to the renowned RadiPac series. Engineered with advanced GreenTech EC motor technology, this unit integrates drive electronics directly into the motor housing, optimizing thermal impedance and simplifying installation. The backward-curved impeller is aerodynamically tuned to minimize turbulence and noise generation while delivering substantial static pressure capabilities. Constructed with robust materials to ensure structural rigidity under high-load conditions, this model features intelligent commutation and integrated PID control, making it ideal for demanding ventilation tasks requiring precise airflow modulation and superior energy efficiency compared to traditional AC counterparts.

Model Number: G3G560-RA25-21/F02

Brand: ebm-papst

Product Type: EC Centrifugal Fan (RadiPac)

Motor Type: M3G150-IF

Rated Voltage: 400 VAC (3-Phase)

Voltage Range: 380 - 480 VAC

Frequency: 50/60 Hz

Rated Current: 4.6 A

Rated Power: 2950 W

Rated Speed: 1760 RPM

Max. Air Flow: 8240 CFM (14000 m³/h)

Max. Static Pressure: 6.42 inH₂O (1600 Pa)

Impeller Diameter: 560 mm

Bearing Type: Ball Bearing

Control Interface: 0-10 VDC / PWM / MODBUS-RTU

Output Signal: Alarm Relay / Tachometer

Ingress Protection: IP54

Insulation Class: F

Blade Material: Aluminum sheet, welded

Support Structure: Galvanized sheet steel

Operating Temperature: -25°C to +60°C

Mounting Orientation: Shaft horizontal or rotor on bottom

Phase: 3~

Weight: 35.0 kg

Protection Features: Thermal overload protector (TOP), Reverse polarity, Locked-rotor protection, Soft start

Compliance: CE, UL, CSA, CCC

This heavy-duty air moving solution is specifically designed for critical industrial and commercial HVAC applications. The G3G560-RA25-21/F02 excels in air handling units (AHUs), precision cooling for data centers, and cleanroom filtration systems where consistent pressure is paramount. Additionally, the G3G560-RA25-21/F02 is frequently utilized in rooftop extraction units and industrial process cooling, offering reliable performance in variable air volume (VAV) systems that benefit from its integrated speed control and diagnostic feedback capabilities.

Supplemental Images

