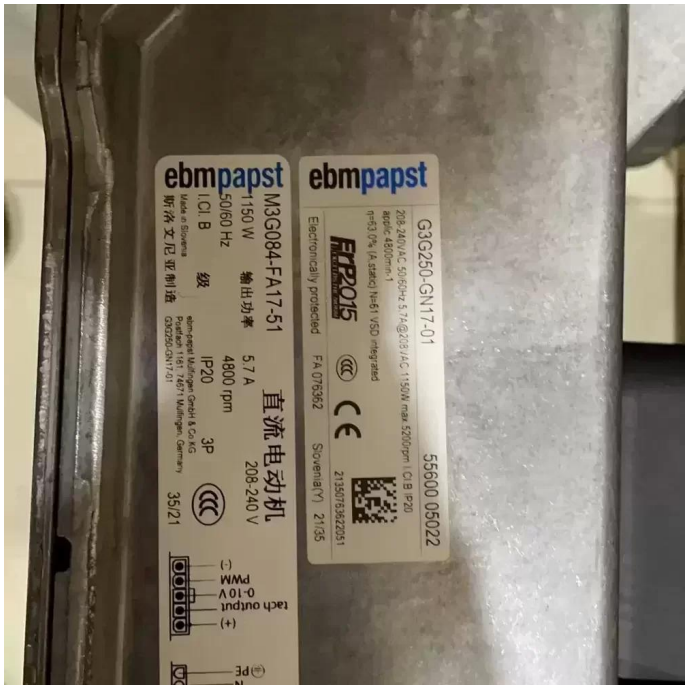
G3G250-GN17-01 ebm-papst 230VAC 250mm EC Centrifugal Fan Datasheet



Brand: ebmpapst

SKU: 737268334928

Category: Axial & Centrifugal Fans

Price: **$3,214.99**

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Product Page:
https://www.equipspares.com/product/g3g250-gn17-01-ebm-papst-230vac-250mm-ec-centrifugal-fan

Product Description

The ebm-papst G3G250-GN17-01 is a precision-engineered EC centrifugal fan designed for high-efficiency thermal management within industrial environments. Utilizing advanced GreenTech EC motor technology, this unit integrates the M3G084-DF motor core to deliver superior aerodynamic performance with reduced power consumption. The assembly features a glass-fiber reinforced composite impeller, optimized to minimize noise generation while maximizing static pressure capabilities. Engineered with a robust ball bearing architecture and IP54 ingress protection, the fan ensures long-term reliability and structural rigidity under continuous operation. Its sophisticated electronics allow for precise speed modulation, making it an ideal solution for demanding applications requiring stable airflow and low thermal impedance.

Model Number: G3G250-GN17-01
Brand: ebm-papst
Product Type: EC Centrifugal Fan
Rated Voltage: 230 VAC
Voltage Range: 200 - 240 VAC
Frequency: 50/60 Hz
Rated Power: 500 W
Rated Current: 2.2 A
Rated Speed: 2580 RPM

Bearing Type: Ball Bearing
Max. Air Flow: 1147 CFM (1950 m^3/h)
Max. Static Pressure: 2.41 inH_2O (600 Pa)
Impeller Diameter: 250 mm
Motor Type: M3G084-DF (EC Motor)
Weight: 5.2 kg
Phase: Single Phase
Ingress Protection: IP54
Insulation Class: B
Blade Material: PA Plastic (Glass-fiber reinforced)
Housing Material: Die-cast Aluminum
Operating Temperature: -25°C to +60°C
Motor Protection: Thermal Overload Protector (TOP)
Speed Control: 0-10 VDC / PWM Control
Compliance: CE, UL, CSA, VDE
Application: Heidelberg Printing Machines

Designed specifically for the rigorous demands of the printing industry, the G3G250-GN17-01 serves as a critical cooling component within Heidelberg printing presses. Its high-pressure output ensures consistent temperature regulation for sensitive electronic control units and drying systems found in offset printing equipment. Beyond printing machinery, the G3G250-GN17-01 is frequently utilized in industrial ventilation systems, clean room technology, and complex HVAC air handling units where precise airflow control and energy efficiency are paramount. The robust construction allows it to withstand the vibration and duty cycles typical of heavy industrial machinery.

Supplemental Images