

G3G250-GN17-01 ebmpapst 230VAC EC Centrifugal Blower

SKU: G3G250-GN17-01

Price: \$2,385.57

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/g3g250-gn17-01-ebmpapst-230vac-ec-centrifugal-blower/>

Product Description

The ebmpapst G3G250-GN17-01 is a high-performance 230VAC single-phase EC Centrifugal Gas Blower, featuring backward-curved aluminum impellers within a robust flanged die-cast aluminum housing. Driven by the M3G084-FA GreenTech EC motor with integrated electronics and active PFC, this 250 mm impeller size blower is specifically engineered for gas-condensing heating systems and heavy-duty industrial combustion processes. Operating on a nominal voltage range of 208 to 240 VAC, it delivers a Power Input of 1150 W and a Current Draw of 5.7 A at an exceptional rated speed of 4800 RPM. Featuring a black-coated rotor, a flame-retardant Polyflam protective cover, and a 0-10 VDC / PWM control interface, it ensures high-pressure air delivery, advanced thermal motor protection, and reliable continuous S1 operation in demanding heating environments at the end.

G3G250-GN17-01 Fan Parameters

Model Number: G3G250-GN17-01

Motor Model: M3G084-FA

Manufacturer: ebmpapst

Type: EC Centrifugal Fan - Backward-curved, single-inlet with housing (flange)

Impeller Size: 250 mm

Dimensions: 460 x 435 x 250 mm

Weight: 13.2 kg

Bearing Type: Ball bearing

Nominal Voltage: 230 VAC

Nominal Voltage Range: 208 - 240 VAC

Phase: 1~

Frequency: 50 / 60 Hz

Method of Obtaining Data: ml (Max. load)

Current Draw: 5.7 A (@ 208 V)

Power Input: 1150 W (1.15 kW)

Rated Speed: 4800 RPM

Max. Air Flow: 779.9 CFM (1325.0 m³/h / 22.08 m³/min)

Max. Static Pressure: 122.37 mmH₂O (1200.0 Pa / 4.82 inAq)

Sound Pressure Level: 86.3 dB(A)

Impeller Material: Aluminum sheet

Housing Material: Die-cast aluminum

Protective Cover Material: Polyflam RPP 374-ND CS1 (UL 94-V0)

Rotor Surface: Coated in black

Number of Blades: 7

Direction of Rotation: Clockwise (viewed toward rotor)

Insulation Class: "B"

Degree of Protection: IP20

Leackage Current: <= 3.5 mA

Motor Protection: Locked-rotor protection; Over-temperature protected electronics

Technical Features: Control input 0-10 VDC / PWM; Tach output; Active PFC; Motor current limit; Line undervoltage detection

Condensate Discharge Holes: Rotor-side

Installation Position: Any

Mode: S1 (Continuous operation)

Protection Class: I (if protective earth is connected)

Max. Ambient Temperature: 60 °C

Min. Ambient Temperature: -20 °C

Standard Compliance: EN 61000-3-2/3; EN 61000-6-2/4

Approval: CSA C22.2 Nr.13; UL 507

Application

The ebmpapst G3G250-GN17-01 is a specialized gas blower designed for high-efficiency gas-condensing heating units and industrial combustion systems requiring high-pressure variable-speed 230V EC airflow in a 250mm flanged configuration.

Product Images









Scan for product details:

