

# G3G250-GN44-01 ebmpapst 230VAC EC Centrifugal Blower

**SKU:** G3G250-GN44-01

**Price:** \$1,985.57

**Categories:** Fans

**Tags:** ebmpapst

**Product Link:**

<https://www.electspares.com/product/g3g250-gn44-01-ebmpapst-230vac-ec-centrifugal-blower/>

---

## Product Description

---

The ebmpapst G3G250-GN44-01 is a high-performance 230VAC single-phase EC Centrifugal Gas Blower, featuring backward-curved aluminium impellers within a heavy-duty flanged die-cast aluminium 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 high-efficiency industrial combustion processes. Operating on a nominal voltage range of 208 to 240 VAC, it delivers a Power Input of 860 W and a Current Draw of 4.8 A at a rated speed of 4500 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-GN44-01 Fan Parameters

Model Number: G3G250-GN44-01

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: 4.8 A (@ 208 V)

Power Input: 860 W

Rated Speed: 4500 RPM

Max. Air Flow: 779.9 CFM (1325.0 m<sup>3</sup>/h / 22.08 m<sup>3</sup>/min)

Max. Static Pressure: 122.37 mmH<sub>2</sub>O (1200.0 Pa / 4.82 inAq)

Impeller Material: Aluminium sheet

Housing Material: Die-cast aluminium

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

Leakage 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 / phase failure detection

Electrical Hookup: With plug

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; CE

Approval: CCC; CSA C22.2 Nr.113; UL 507

#### Application

The ebmpapst G3G250-GN44-01 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:

