



## **G3G250-MW50-01 ebmpapst**

Brand: ebmpapst

SKU: G3G250-MW50-01

Category: Radial Fans

URL: <https://www.fansco.com/item/g3g250-mw50-01-ebmpapst/>

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## Product Description

G3G250-MW50-01 ebmpapst 250mm 400VAC 2400W 4A 1165m³/h 6100RPM  
Ball Bearing IP20 centrifugal fan

The ebm-papst G3G250-MW50-01 is a high-performance 250mm EC centrifugal fan meticulously engineered to function as a reliable gas blower within advanced gas-condensing heating systems. Constructed with a durable die-cast aluminum housing and impeller, this fan is powered by an M3G112-EA motor. It accepts a broad 380-480V AC three-phase input at 50/60Hz, delivering a nominal 2400W of power to achieve speeds around 6100 RPM. This formidable performance enables it to generate substantial static pressure, effectively moving air volumes such as 1165 m³/h against 4000 Pa, critical for precise gas mixture control. The fan features a robust ball bearing system, operates continuously (S1 mode) with clockwise rotation (seen from the rotor), and offers flexible installation in any position. Rated IP20 with Insulation Class B and Humidity Class F0, and operating efficiently in flow medium temperatures from -25°C to 50°C, it is designed for demanding conditions. Leveraging integrated EC technology for variable speed control, it also provides 10V/20V and tachometer outputs for comprehensive system monitoring, complying with Protection Class I and CE standards, and maintaining a touch current below 3.5 mA.

## Technical Specifications

| Attribute      | Value           |
|----------------|-----------------|
| Model Number   | G3G250-MW50-01  |
| Manufacturer   | ebm-papst       |
| Fan Type       | AC              |
| Dimensions     | 250 mm          |
| Voltage Rating | 400 VAC         |
| Power Rating   | 2400 W          |
| Current Rating | 4 A             |
| Fan Speed      | 6100 RPM        |
| Category       | Centrifugal     |
| Series         | G3G250          |
| RoHS Status    | ROHS3 Compliant |

|                       |                          |
|-----------------------|--------------------------|
| Air Flow CMH          | 1165 m <sup>3</sup> /h   |
| Motor                 | M3G112-EA                |
| Bearing Type          | Ball Bearing             |
| Operating Voltage     | 380 ~ 480 VAC            |
| Phase                 | 3~                       |
| IP Rating             | IP20                     |
| Operating Temperature | -13 ~ 122°F (-25 ~ 50°C) |
| Subcategory           | EC centrifugal fan       |
| Termination           | Terminal Block           |





