

# G2E140-PI51-09 ebmpapst 230VAC 140mm Centrifugal Blower Datasheet



**Brand:** ebmpapst

**SKU:** [794949374880](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$771.99**

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Product Page:

<https://www.equipspares.com/product/g2e140-pi51-09-ebmpapst-230vac-140mm-centrifugal-blower>

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## Product Description

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The ebmpapst G2E140-PI51-09 is a high-efficiency single-inlet centrifugal blower designed for critical thermal management in industrial electronics. Engineered with a robust AC external rotor motor, this unit optimizes aerodynamic performance to deliver high static pressure while maintaining low thermal impedance within dense enclosures. The structural rigidity of the galvanized steel housing ensures durability under continuous operation, while the precision-balanced impeller reduces vibration and acoustic resonance. Featuring an IP44 ingress protection rating, the motor is resilient against solid particle intrusion and water splashes, making it ideal for harsh environments. The bearing architecture is calibrated for extended service life, ensuring reliable heat dissipation in power conversion systems.

Model Number: G2E140-PI51-09

Brand: ebmpapst

Product Type: Single Inlet Centrifugal Blower

Rated Voltage: 230 VAC

Frequency: 50 / 60 Hz

Rated Current: 0.78 / 0.97 A

Power Consumption: 180 / 225 W

Rated Speed: 2200 / 2160 RPM

Impeller Diameter: 140 mm

Bearing Type: Ball Bearing

Ingress Protection: IP44

Motor Type: AC External Rotor

Phase: Single Phase

Housing Material: Galvanized Sheet Steel

Impeller Material: Sheet Steel, Hot-Galvanized

Insulation Class: F

Mounting Orientation: Any

Direction of Rotation: Clockwise (viewed toward rotor)

Application: ABB Inverter Cooling

The G2E140-PI51-09 is extensively deployed in the thermal regulation of power electronics, specifically serving as a replacement cooling fan for ABB frequency inverters and variable frequency drives (VFDs). Its ability to generate significant static pressure makes it suitable for forcing air through dense heat sinks in industrial control cabinets and automation equipment. Additionally, the G2E140-PI51-09 is utilized in ventilation systems for CNC machinery and heavy-duty power converters, where consistent airflow is critical to prevent thermal shutdown and maintain operational efficiency.

## Supplemental Images

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