

# G2E140-PI51-09 ebm-papst 230VAC 140mm 0.65kW Centrifugal Blower Datasheet



**Brand:** ebmpapst

**SKU:** 901231285875

**Category:** Axial & Centrifugal Fans

**Price:** \$685.99

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**E-mail:** [sales@equipspares.com](mailto:sales@equipspares.com)

**Web:** <https://www.equipspares.com>

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Product Page:

<https://www.equipspares.com/product/g2e140-pi51-09-ebm-papst-230vac-140mm-0-65kw-centrifugal-blower>

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## Product Description

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The ebm-papst G2E140-PI51-09 is a robust single-inlet centrifugal blower engineered for high-impedance industrial ventilation systems. Utilizing an advanced AC external rotor motor architecture, this unit delivers exceptional aerodynamic efficiency with a rated power output of 0.65kW. The design features a precision-balanced steel impeller housed within a durable scroll casing, ensuring structural rigidity and minimized vibration during operation. With a rotational speed range of 2050 to 2550 RPM, it optimizes thermal impedance management in critical cooling applications. The system is designed for continuous duty, leveraging high-grade ball bearings to maintain performance stability under demanding load conditions.

Model Number: G2E140-PI51-09

Alternate Model: RF2C-140/059

Brand: ebm-papst

Product Type: Centrifugal Blower (Single Inlet)

Rated Voltage: 230 VAC

Frequency: 50 / 60 Hz

Rated Power: 0.65 kW

Rated Speed: 2050 - 2550 RPM

Bearing Type: Ball Bearing

Impeller Diameter: 140 mm

Motor Technology: AC External Rotor

Material (Housing): Die-cast aluminum / Sheet steel

Material (Impeller): Sheet steel, hot-galvanized

Direction of Rotation: Clockwise (viewed toward rotor)

Insulation Class: Class B or F

Mounting Orientation: Any

Operating Temperature: -25 to +60 °C

Life Expectancy: > 40,000 hours (at 40°C)

Termination: Lead wires

Compliance: CE, RoHS

The G2E140-PI51-09 is specifically calibrated for integration into industrial environments requiring substantial static pressure, such as control cabinet cooling and server rack ventilation. Its high-power density makes it an ideal solution for heat dissipation in CNC machinery and telecommunications infrastructure where space is premium but airflow cannot be compromised. Engineers frequently deploy the G2E140-PI51-09 in medical device cooling systems and power supply units, relying on its consistent throughput to prevent thermal throttling in sensitive electronic components.

## Supplemental Images

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