

G2E140-PI51-11 ebmpapst 230VAC 140mm Centrifugal Blower Datasheet



Brand: ebmpapst

SKU: [987439393764](#)

Category: Axial & Centrifugal Fans

Price: **\$471.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/g2e140-pi51-11-ebmpapst-230vac-140mm-centrifugal-blower>

Product Description

The ebmpapst G2E140-PI51-11 is a robust single-inlet Centrifugal Blower engineered for high-pressure industrial air movement and thermal management. Utilizing an advanced AC external rotor motor (M2E068-DF), this unit delivers consistent aerodynamic performance through its forward-curved impeller design. The construction features a galvanized sheet steel impeller and a die-cast aluminum housing, ensuring exceptional structural rigidity and thermal stability under continuous load. Designed with precision maintenance-free ball bearings, the G2E140-PI51-11 minimizes friction and thermal impedance, significantly extending operational longevity. Its optimized geometry reduces turbulence while maintaining high efficiency, making it an ideal solution for systems requiring reliable airflow and substantial static pressure capabilities in demanding electrical and mechanical environments.

Model Number: G2E140-PI51-11

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Product Type: Centrifugal Blower (Single Inlet)

Motor Type: AC External Rotor Motor (M2E068-DF)

Rated Voltage: 230 VAC

Frequency: 50 Hz

Rated Current: 0.78 A

Power Consumption: 180 W

Rated Speed: 2200 RPM

Bearing Type: Ball Bearing

Max. Air Flow: 208.9 CFM (355 m³/h / 5.91 m³/min)

Max. Static Pressure: 28.55 mmH₂O (280 Pa / 1.12 inH₂O)

Impeller Diameter: 140 mm

Capacitor: 4 µF / 400 VDB

Noise Level: 68 dB(A)

Weight: 3.2 kg (7.05 lbs)

Life Expectancy: 40,000 Hours (at 40°C)

Insulation Class: Class B

Ingress Protection: IP44

Impeller Material: Sheet steel, hot-dip galvanized

Housing Material: Die-cast aluminum

Direction of Rotation: Clockwise (viewed toward rotor)

Operating Temperature: -25°C to +50°C

Motor Protection: Thermal Overload Protector (TOP) wired internally

Compliance: CE, CCC, EAC

Mounting: Maintenance-free via ball bearings

Phase: Single Phase

The G2E140-PI51-11 is frequently integrated into critical industrial machinery where effective heat dissipation and high back-pressure performance are paramount. Common deployments include cooling variable frequency drives, ventilating control cabinets, and managing thermal loads in large-scale telecommunications infrastructure. Manufacturers of medical diagnostic equipment and precision CNC machinery also rely on the G2E140-PI51-11 for its consistent airflow and durability under continuous operation. Furthermore, this blower is suitable for duct-based ventilation systems, air filtration units, and server rack cooling solutions requiring sustained static pressure.

Supplemental Images

