

G2E140-AL40-01 ebm-papst 230VAC 140mm Centrifugal Blower Datasheet



Brand: ebmpapst

SKU: [760224447070](#)

Category: Axial & Centrifugal Fans

Price: **\$471.43**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/g2e140-al40-01-ebm-papst-230vac-140mm-centrifugal-blower>

Product Description

The ebm-papst G2E140-AL40-01 is a Centrifugal Blower engineered for high-static pressure industrial applications requiring robust thermal management and reliability. This unit features an advanced AC external rotor motor integrated with a precision ball bearing architecture, ensuring minimized friction and extended operational longevity under continuous load conditions. The aerodynamic design utilizes forward-curved sheet steel impellers housed within a rugged die-cast aluminum scroll, optimizing airflow efficiency while maintaining exceptional structural rigidity. Designed for low thermal impedance, this blower delivers consistent performance in demanding environments, adhering to strict ingress protection standards to mitigate dust and moisture intrusion.

Model Number: G2E140-AL40-01

Brand: ebm-papst

Product Type: Single Inlet Centrifugal Blower

Rated Voltage: 230 VAC

Frequency: 50 / 60 Hz

Rated Current: 1.01 A

Power Input: 230 W

Rated Speed: 2450 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

Housing Material: Die-Cast Aluminum

Impeller Material: Sheet Steel, Hot-Galvanized

Motor Type: M2E068-DF

Capacitor: 4 µF / 400 VDB

Insulation Class: Class B

Ingress Protection: IP44

Operating Temperature: -25°C to +50°C

Mounting Orientation: Any

Weight: 3.2 kg

Life Expectancy: > 40,000 Hours at 40°C

Phase: Single Phase

Direction of Rotation: Clockwise (viewed toward rotor)

Cable Length: 450 mm

Compliance: CE, CCC, EAC

The G2E140-AL40-01 is extensively utilized in industrial ventilation systems and high-density electronic cooling arrays where consistent airflow is critical. Common deployments include control cabinet cooling, variable frequency drive (VFD) heat dissipation, and precision laboratory equipment requiring stable thermal regulation. The G2E140-AL40-01 also serves effectively in commercial HVAC air handling units and telecommunications infrastructure, providing reliable operation in continuous-duty cycles.

Supplemental Images

