

G2E146-DW07-01 ebmpapst 230V AC Centrifugal Blower

SKU: G2E146-DW07-01

Price: \$349.99

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/g2e146-dw07-01-ebmpapst-230v-ac-centrifugal-blower/>

Product Description

The ebmpapst G2E146-DW07-01 is a high-performance 230VAC single-phase AC Centrifugal Blower, featuring forward-curved impellers within a robust flanged housing. Made in Germany and driven by a specialized AC motor with integrated thermal overload protection (TOP), this 146 mm impeller size blower is specifically engineered for medical equipment, laboratory ventilation, and industrial cooling applications. Operating on a 230 VAC supply, it delivers a Power Consumption of 140 W / 155 W and a Current Draw of 0.62 A / 0.68 A at rated speeds of 1550 / 1750 RPM. Featuring a galvanized sheet steel impeller and a high-quality 3.0 μ F / 450 VDB capacitor system, it ensures stable air delivery, low acoustic noise, and reliable continuous S1 operation in demanding environments at the end.

G2E146-DW07-01 Fan Parameters

Model Number: G2E146-DW07-01

Motor Model: M2E068-CA

Manufacturer: ebmpapst (Made in Germany)

Type: AC Centrifugal Blower - Forward-curved, single-intake with housing (flange)

Impeller Size: 146 mm

Dimensions: 248 x 227 x 130 mm

Weight: 2.9 kg

Bearing Type: Ball bearing

Nominal Voltage: 230 VAC

Phase: 1~

Frequency: 50 / 60 Hz

Method of Obtaining Data: fa (Free air) / ml (Max. load)

Current Draw: 0.62 / 0.68 A

Power Consumption: 140 / 155 W

Rated Speed: 1550 / 1750 RPM

Max. Air Flow: 280.0 CFM (475.0 m³/h / 7.92 m³/min)

Max. Static Pressure: 46.90 mmH₂O (460.0 Pa / 1.85 inAq)

Capacitor: 3.0 μF / 450 VDB

Impeller Material: Sheet steel, galvanized

Housing Material: Die-cast aluminum

Rotor Surface: Unpainted

Direction of Rotation: Clockwise (viewed toward rotor)

Insulation Class: "B"

Degree of Protection: IP44 (installation-dependent)

Moisture (F) / Environmental (H) Protection Class: H0 (Dry environment)

Touch Current: < 0.75 mA (acc. IEC 60990, Fig. 4, TN system)

Motor Protection: Thermal overload protector (TOP) internally connected

Condensation Drainage Holes: None

Installation Position: Any

Mode: S1 (Continuous operation)

Protection Class: I (if protective earth is connected)

Max. Ambient Temperature: 45 / 30 °C

Min. Ambient Temperature: -25 °C

Standard Compliance: EN 61800-5-1; CE

Approval: EAC; CE; CCC

Application

The ebmpapst G2E146-DW07-01 centrifugal blower is the primary air-moving solution for medical respirators, lab ventilation hoods, and precision industrial cooling systems requiring stable 230V AC airflow in a 146mm flanged configuration.

Product Images









Scan for product details:

