

# G2E180-EH03-01 ebmpapst 230V AC Centrifugal Blower

**SKU:** G2E180-EH03-01

**Price:** \$394.26

**Categories:** Fans

**Tags:** ebmpapst

**Product Link:**

<https://www.electspares.com/product/g2e180-eh03-01-ebmpapst-230v-ac-centrifugal-blower/>

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## Product Description

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The ebmpapst G2E180-EH03-01 is a high-performance 230VAC single-phase AC Centrifugal Blower, featuring forward-curved impellers within a robust flanged die-cast aluminum housing. Driven by the M2E074-EI motor with integrated thermal overload protection (TOP), this 180 mm impeller size blower is specifically engineered for precision air handling units, ventilation systems, and industrial equipment cooling. Operating on a 230 VAC supply, it delivers a Power Consumption of 400 W / 415 W and a Current Draw of 1.75 A / 1.82 A at rated speeds of 1950 / 2150 RPM. Featuring a black-painted sheet steel impeller, a black-painted rotor surface, and a high-quality 8.0  $\mu$ F / 400 VDB capacitor system, it ensures efficient high-capacity air delivery and reliable continuous S1 operation in demanding environments at the end.

G2E180-EH03-01 Fan Parameters

Model Number: G2E180-EH03-01

Motor Model: M2E074-EI

Manufacturer: ebmpapst

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

Impeller Size: 180 mm

Dimensions: 261 x 282 x 125 mm

Weight: 5.4 kg

Bearing Type: Ball bearing

Nominal Voltage: 230 VAC

Phase: 1~

Frequency: 50 / 60 Hz

Method of Obtaining Data: fa / ml

Current Draw: 1.75 / 1.82 A

Starting Current: 2.2 / 2.0 A

Power Consumption: 400 / 415 W

Rated Speed: 1950 / 2150 RPM

Max. Air Flow: 382.6 CFM (650.0 m<sup>3</sup>/h / 10.83 m<sup>3</sup>/min)

Max. Static Pressure: 56.09 mmH<sub>2</sub>O (550.0 Pa / 2.21 inAq)

Capacitor: 8.0 µF / 400 VDB (S0)

Impeller Material: Sheet steel, painted black

Housing Material: Die-cast aluminum

Rotor Surface: Painted black

Direction of Rotation: Clockwise (viewed toward rotor)

Insulation Class: "B"

Degree of Protection: IP44

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: On rotor side

Installation Position: Any (Shaft horizontal/Rotor bottom/Rotor top)

Mode: S1 (Continuous operation)

Protection Class: I (if protective earth is connected)

Max. Ambient Temperature: 40 / 30 °C

Min. Ambient Temperature: -25 °C

Standard Compliance: EN 60335-1; CE

Approval: CCC; EAC

#### Application

The ebmpapst G2E180-EH03-01 centrifugal blower is the primary air-moving solution for high-capacity AHU systems, commercial ventilation, and industrial equipment cooling requiring stable 230V AC airflow in a 180mm flanged configuration.

## Product Images

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Scan for product details:

