

G1G170-AB31-01 ebm-papst 230VAC 170mm EC Centrifugal Blower Datasheet



Brand: ebmpapst

SKU: 996704237389

Category: Axial & Centrifugal Fans

Price: **\$1,080.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/g1g170-ab31-01-ebm-papst-230vac-170mm-ec-centrifugal-blower>

Product Description

The ebm-papst G1G170-AB31-01 is a precision-engineered EC centrifugal blower designed for high-efficiency thermal management and combustion applications. Featuring an advanced M1G074-BF electronically commutated motor, this unit delivers superior aerodynamic performance with reduced power consumption compared to traditional AC variants. The 170mm die-cast aluminum housing ensures structural rigidity and optimal thermal impedance management under high-load conditions. Engineered with maintenance-free ball bearings and integrated electronic protection, the G1G170-AB31-01 provides reliable operation in demanding industrial environments, specifically optimized for gas condensing boilers and precise air-fuel mixing systems requiring exact speed modulation and high static pressure capabilities.

Model Number: G1G170-AB31-01

Brand: ebm-papst

Product Type: EC Centrifugal Blower

Rated Voltage: 230 VAC

Frequency: 50/60 Hz

Rated Power: 315 W

Rated Speed: 5650 RPM

Current Draw: 2.1 A

Bearing Type: Ball Bearing

Motor Type: M1G074-BF (EC Motor)

Max. Air Flow: 229.5 CFM (390 m³/h / 6.5 m³/min)

Max. Static Pressure: 10.04 inH₂O (2500 Pa / 255 mmH₂O)

Dimensions: 170mm Diameter

Housing Material: Die-cast Aluminum

Impeller Material: Sheet steel, hot-dip galvanized

Direction of Rotation: Clockwise, viewed toward rotor

Degree of Protection: IP20

Insulation Class: F

Mounting Position: Any

Operating Temperature: -25°C to +60°C

Speed Control: 0-10 VDC / PWM

Motor Protection: Thermal overload protector (TOP) wired internally

Weight: 3.4 kg

Compliance: CE, CSA, UL

This high-performance blower is extensively utilized in gas condensing heating systems and industrial combustion applications where precise air-fuel ratios are critical. The G1G170-AB31-01 excels in providing consistent airflow for burner systems, ensuring optimal combustion efficiency and reduced emissions. Additionally, the G1G170-AB31-01 is suitable for specialized electronics cooling, server rack ventilation, and industrial process air extraction where compact, high-pressure airflow is required.

Supplemental Images

