

G1G170-AB31-03 ebm-papst 24VDC 170mm Centrifugal Blower Datasheet



Brand: ebmpapst

SKU: 886708279654

Category: Axial & Centrifugal Fans

Price: **\$1,542.99**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/g1g170-ab31-03-ebm-papst-24vdc-170mm-centrifugal-blower>

Product Description

The ebm-papst G1G170-AB31-03 is a precision-engineered EC Centrifugal Blower designed for high-efficiency thermal applications and combustion systems. Utilizing the advanced M1G074-CF31-53 EC motor technology, this unit delivers exceptional aerodynamic performance with optimized static pressure capabilities. The construction features a robust die-cast aluminum housing ensuring structural rigidity under high thermal loads, while the maintenance-free ball bearing system guarantees longevity and reliability. Its electronic commutation ensures low energy consumption and precise modulation, making it ideal for systems requiring exact airflow management and low thermal impedance.

Model Number: G1G170-AB31-03

Brand: ebm-papst

Product Type: EC Centrifugal Gas Blower

Motor Type: M1G074-CF31-53 (EC Motor)

Rated Voltage: 24 VDC

Voltage Range: 16.0 - 28.0 VDC

Power Input: 45 W

Rated Current: 2.1 A

Rated Speed: 4700 RPM

Max. Air Flow: 108.3 CFM (184 m³/h)

Max. Static Pressure: 14.05 mmH₂O (138 Pa)

Dimensions: 170 mm (Impeller Diameter)

Bearing Type: Ball Bearing

Weight: 1.6 kg

Control Input: PWM / 0-10V Speed Control

Signal Output: Tachometer Output

Housing Material: Die-cast Aluminum

Impeller Material: Sheet Steel, Hot-dip Galvanized

Insulation Class: Class F

Ingress Protection: IP20

Operating Temperature: -25°C to +70°C

Mounting Orientation: Any

Life Expectancy: 40,000 Hours @ 40°C

Compliance: CE, UL, CSA

This high-performance blower is specifically engineered for premix gas condensing boilers and sophisticated combustion systems. The G1G170-AB31-03 ensures optimal air-gas mixture ratios essential for clean combustion in industrial heating units. Additionally, the G1G170-AB31-03 is utilized in fuel cell technology, medical ventilation equipment, and specialized thermal management setups where high static pressure and resistance to elevated temperatures are critical operational requirements.

Supplemental Images

