

G1G126-AA49-71 ebmpapst 230VAC EC Centrifugal Blower

SKU: G1G126-AA49-71

Price: \$498.54

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/g1g126-aa49-71-ebmpapst-230vac-ec-centrifugal-blower/>

Product Description

The ebmpapst G1G126-AA49-71 is a high-performance 230VAC EC Centrifugal Blower with a 126 mm impeller, engineered for high-speed industrial cooling and precision air handling systems. Driven by a high-efficiency M1G055-BD motor with integrated electronics and maintenance-free ball bearings, this 1.5 kg unit operates on a 230 VAC supply delivering a Max. Power Consumption of 75 W at a rated speed of 5000 RPM (fa). This High-performance unit achieves a Max. Air Flow of 117.7 CFM (200.0 m³/h / 3.33 m³/min) and a Max. Static Pressure of 45.89 mmH₂O (450.0 Pa / 1.81 inAq). Featuring intelligent speed regulation via 0-10 VDC / PWM control input, soft start, and motor current limitation, this unit with die-cast aluminum housing and thick-film passivated rotor is optimized for industrial VFD systems requiring advanced thermal management, though it is specifically not suitable for gas-air premixing at the end.

G1G126-AA49-71 Fan Parameters

Model Number: G1G126-AA49-71

Motor Model: M1G055-BD

Manufacturer: ebmpapst

Type: EC Centrifugal Blower

Impeller Size: 126 mm

Weight: 1.5 kg

Bearing Type: Ball bearing

Phase: 1~

Nominal Voltage: 230 VAC

Nominal Voltage Range: 200 - 240 VAC

Frequency: 50 / 60 Hz

Method of Obtaining Data: fa (Free air)

Max. Current Draw: 0.6 A
Max. Power Consumption: 75 W
Rated Speed: 5000 RPM
Max. Air Flow: 117.7 CFM (200.0 m³/h / 3.33 m³/min)
Max. Static Pressure: 45.89 mmH₂O (450.0 Pa / 1.81 inAq)
Working Air Flow: 200.0 m³/h
Static Pressure Increase: 450.0 Pa
Control Interface: 0-10 VDC / PWM (Input resistance > 100 kΩ; SELV potential)
Output Signal: Tach output (Speed signal)
Technical Features: Soft start; Motor current limitation; PWM control input
Motor Protection: Reverse polarity and locked-rotor protection
Touch Current (IEC 60990): ≤ 3.5 mA
Insulation Class: "B"
Degree of Protection: IP20
Protection Class: I (if protective earth is connected)
Humidity Class: H0 (Dry environment)
Impeller Material: PA plastic
Cover Material: PP plastic
Housing Material: Die-cast aluminum
Rotor Surface: Thick-film passivated
Direction of Rotation: Clockwise (viewed toward rotor)
Installation Position: Any
Mode: S1
Ambient Temperature (Max.): 70 °C (Transport/Storage: +80 °C)
Min. Operating Temperature: -25 °C (Transport/Storage: -40 °C)
Max. Temp. of Flow Medium: 80 °C
Standard Compliance: EN 60335-1; CE
Approval: CCC; EAC

Application

The ebmpapst G1G126-AA49-71 centrifugal blower is the primary cooling component for industrial VFD systems and precision air handling units requiring high-speed EC modulation, but is specifically not designed for gas-air premixing.

Product Images









Scan for product details:

