G1G144-AF25-09 EBM-PAPST 230VAC 144mm Centrifugal Blower Datasheet

Brand: ebmpapst

SKU: 762295893662

Category: Axial & Centrifugal Fans

Price: **$857.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/g1g144-af25-09-ebm-papst-230vac-144mm-centrifugal-blower

Product Description

The EBM-PAPST G1G144-AF25-09 is a specialized EC centrifugal blower designed for high-efficiency thermal management and combustion applications. Utilizing advanced Electronically Commutated (EC) motor technology, this unit delivers superior aerodynamic performance with optimized energy consumption. The robust die-cast aluminum housing ensures exceptional structural rigidity and effective thermal impedance management under high-temperature operating conditions. Engineered for precision, the G1G144-AF25-09 features a dynamically balanced impeller that minimizes vibration while maximizing static pressure capabilities, making it an ideal solution for demanding industrial environments requiring reliable air movement and precise speed regulation.

Model Number: G1G144-AF25-09
Brand: EBM-PAPST
Product Type: EC Centrifugal Gas Blower
Rated Voltage: 230VAC
Frequency: 50/60Hz
Motor Type: M1G055-BD (EC Motor)
Impeller Diameter: 144mm
Bearing Type: Ball Bearing
Housing Material: Die-cast Aluminum
Speed Control: PWM / 0-10V Interface

Phase: Single Phase
Mounting Orientation: Any
Ingress Protection: IP20
Insulation Class: F
Min. Ambient Temperature: -25°C
Max. Ambient Temperature: +55°C
Termination: Lead Wires with Connector
Application Area: Gas Condensing Boilers

This high-performance blower is predominantly utilized in modern gas condensing boilers and premix burner systems where precise air-fuel ratios are critical. The G1G144-AF25-09 ensures optimal combustion efficiency in residential and commercial heating units. Additionally, the G1G144-AF25-09 is suitable for hot air generators, industrial drying processes, and specialized ventilation systems requiring compact, high-pressure airflow solutions within strictly confined installation spaces.

Supplemental Images