G1G170-AB53-80-V22.2 M1G074-CF53-75 ebm-papst Centrifugal Blower Datasheet

Brand: ebmpapst

SKU: 991582675524

Category: Axial & Centrifugal Fans

Price: **$1,114.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/g1g170-ab53-80-v22-2-m1g074-cf53-75-ebm-papst-centrifugal-blower

Product Description

The ebm-papst G1G170-AB53-80-V22.2 M1G074-CF53-75 is a specialized EC Centrifugal Blower engineered for high-efficiency combustion systems and industrial applications. Utilizing advanced GreenTech EC motor technology (M1G074-CF), this unit delivers superior aerodynamic performance with reduced energy consumption compared to AC equivalents. The robust die-cast aluminum housing ensures exceptional structural rigidity and thermal impedance management under demanding operating conditions. Featuring a maintenance-free ball bearing architecture, the blower provides reliable long-term operation. Its precise PWM speed control allows for exact modulation of airflow, making it ideal for premix burners requiring stable air-gas mixtures.

Model Number: G1G170-AB53-80-V22.2 M1G074-CF53-75
Brand: ebm-papst
Product Type: EC Centrifugal Gas Blower
Motor Type: M1G074-CF (GreenTech EC)
Rated Voltage: 230 VAC
Voltage Range: 208 - 240 VAC
Frequency: 50 / 60 Hz
Rated Power: 48 W
Rated Current: 0.38 A

Rated Speed: 4700 RPM
Bearing Type: Ball Bearing
Max. Air Flow: 97.1 CFM (165 m^3/h / 2.75 m^3/min)
Max. Static Pressure: 6.02 inH_2O (1500 Pa / 152.9 mmH_2O)
Impeller Diameter: 170 mm
Weight: 1.6 kg
Housing Material: Die-cast Aluminum
Impeller Material: Sheet Steel, Hot-dip Galvanized
Control Input: PWM / 0-10V DC
Ingress Protection: IP20
Insulation Class: F
Operating Temperature: -25 to +55 °C
Storage Temperature: -40 to +80 °C
Mounting Orientation: Any
Life Expectancy: 40,000 Hours (L10 at 40°C)
Compliance: CE, UL, CSA, VDE

Designed primarily for gas condensing boilers and premix burner systems, the G1G170-AB53-80 ensures optimal combustion efficiency through precise airflow modulation. This blower is also suitable for fuel cell technology, industrial process air, and specialized HVAC equipment where high static pressure is required in a compact footprint. The G1G170-AB53-80 integrates seamlessly into modern heating controllers, providing reliable performance in residential and commercial heating infrastructure.

Supplemental Images


EN AC-46000
EN AC-46100
51B-F31-CC