

G1G133-DE03-S01 ebmpapst 48VDC EC Centrifugal Blower

SKU: G1G133-DE03-S01

Price: \$258.56

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/g1g133-de03-s01-ebmpapst-48vdc-ec-centrifugal-blower/>

Product Description

The ebmpapst G1G133-DE03-S01 is a specialized 48VDC EC Centrifugal Blower engineered for mission-critical forced draft applications in Premix Low-NOx Condensing Steam Generators and mobile thermal systems. Driven by a high-efficiency M1G055-BD brushless DC motor with integrated electronics and maintenance-free ball bearings, this 1.4 kg unit operates on a 48 VDC supply (range 30.0 - 57.0 VDC) delivering a Power Consumption of 45 W (Input) and a Current Draw of 1.1 A at a rated speed of 2000 RPM. This High-performance unit is optimized to overcome significant backpressure in compact condensing heat exchangers, providing a Max. Air Flow of 82.4 CFM (140.0 m³/h / 2.33 m³/min) and a Max. Static Pressure of 24.47 mmH₂O (240.0 Pa / 0.96 inAq). Featuring intelligent speed regulation via PWM/0-10V control input, soft start, and locked-rotor protection, this 133 mm unit with die-cast aluminum housing and thick-film passivated rotor ensures precise gas-air premixing and high operational reliability in DC-powered industrial environments at the end.

G1G133-DE03-S01 Fan Parameters

Model Number: G1G133-DE03-S01

Motor Model: M1G055-BD

Manufacturer: ebmpapst

Type: EC Centrifugal Blower (Premix Burner Blower)

Impeller Size: 133 mm

Weight: 1.4 kg

Bearing Type: Ball bearing

Phase: DC

Nominal Voltage: 48 VDC

Nominal Voltage Range: 30.0 - 57.0 VDC

Max. Current Draw: 1.1 A
Power Consumption (Input): 45 W
Power Output: 30 W
Rated Speed: 2000 RPM
Max. Air Flow: 82.4 CFM (140.0 m³/h / 2.33 m³/min)
Max. Static Pressure: 24.47 mmH₂O (240.0 Pa / 0.96 inAq)
Working Air Flow: 140.0 m³/h
Static Pressure Increase: 240.0 Pa
Control Interface: PWM / 0-10 VDC (SELV potential)
Output Signal: Tach output
Technical Features: Soft start; Motor current limitation; Locked-rotor protection
Motor Protection: Reverse polarity and locked-rotor protection
Touch Current (IEC 60990): ≤ 3.5 mA
Insulation Class: "B"
Degree of Protection: IP20
Protection Class: III (SELV)
Impeller Material: PA 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.): 60 °C
Min. Operating Temperature: -25 °C
Standard Compliance: EN 60335-1; CE
Approval: CCC; EAC

Application

The ebmpapst G1G133-DE03-S01 centrifugal blower is the primary forced-draft component for DC-powered premix low-NO_x condensing steam generators and residential burner systems requiring high-efficiency modulation and precise air-fuel mixing.

Product Images





ebmpapst



永磁直流电机
型号 M1G055-BD

G1G133-DE03-S01

48V~(30-57V~)DC 1.1A 2000r/min

45W/30W(输入/输出) Ins.Cl.B级 IP20

红(RD)+ 蓝(BU)- 白(WH)转速输出(s)

黄(YE)控制输入(control input)

制造商: ebm-papst Mulfingen GmbH & Co. KG

CN(N)

Scan for product details:

