

D1G133-AB39-22 ebmpapst 48V 133mm EC Centrifugal Fan

SKU: D1G133-AB39-22

Price: \$817.99

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/d1g133-ab39-22-ebmpapst-48v-133mm-ec-centrifugal-fan/>

Product Description

The ebmpapst D1G133-AB39-22 is a high-performance 48 VDC EC Centrifugal Fan with an impeller size of 133 mm, specifically engineered for demanding thermal management in industrial frequency converters and electrical control cabinets. Driven by a robust brushless EC external rotor motor with an integrated electronic control unit and a high power consumption of 105.0 W and a nominal current of 2.8 A, this precision unit operates at a rated speed of 1780 RPM, delivering a powerful single-intake airflow for efficient heat extraction. Constructed with a ruggedized die-cast aluminum housing and a galvanized sheet steel forward-curved impeller system featuring high-precision ball bearings and a 4-wire electrical interface supporting PWM speed control and tachometer feedback, this 3.2 kg unit provides a dependable and energy-efficient air-moving solution with IP42 protection and Class B insulation, ensuring maximum cooling performance and long-term mechanical stability for high-power inverters, variable frequency drives (VFD), and integrated electrical switchgear systems at the end.

D1G133-AB39-22 Fan Parameters

Model Number: D1G133-AB39-22

Manufacturer: ebmpapst

Motor Model: M1G074-BF

Series: D1G 133 Series

Type: EC Centrifugal Fan (Single-intake)

Impeller Size: 133 mm

Weight: 3.2 kg

Bearing Type: Ball bearing

Nominal Voltage: 48 VDC

Voltage Range: 36.0 - 57.0 VDC

Power Consumption: 105.0 W

Nominal Current: 2.8 A

Speed: 1780 RPM

Max. Air Flow: 62.23 CFM (105.7 m³/h / 1.76 m³/min)

Max. Static Pressure: 9.81 mmH₂O (96.24 Pa / 0.39 inH₂O)

Actual Air Flow: 420.0 m³/h

Actual Static Pressure: 450.0 Pa

Control Input: PWM / 0-10 VDC

Signal Output: Tachometer output

Motor Protection: Locked-rotor and reverse polarity protection

Insulation Class: Class B

Electrical Hookup: 4-wire leads

Number of Blades: 26 (Forward-curved)

Direction of Rotation: Clockwise, viewed toward rotor

Housing Material: Die-cast aluminum

Impeller Material: Sheet steel, galvanized

Installation Position: Any

Operating Temperature: -25 - +60 °C

Storage Temperature: -40 - +80 °C

Degree of Protection: IP42

Standard Compliance: EN 60950-1; CE; UKCA

Approval Agency: VDE; UL; CSA; CCC

Application

The ebmpapst D1G133-AB39-22 EC fan is primarily utilized in industrial frequency converters, power inverters, and electrical control cabinet heat dissipation systems.

Product Images









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