D1G160-DA33-15 ebm-papst 48VDC 112W Centrifugal Fan Datasheet

Brand: ebmpapst

SKU: 1009542680699

Category: Axial & Centrifugal Fans

Price: **$678.57**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/d1g160-da33-15-ebm-papst-48vdc-112w-centrifugal-fan

Product Description

The ebm-papst D1G160-DA33-15 is a high-performance EC dual-inlet centrifugal blower featuring a 160 mm diameter impeller, a nominal voltage of 48 VDC, and a power consumption of 112 W. This unit is constructed with a galvanized sheet steel housing and impeller, utilizing a dual ball bearing system for extended operational life. The motor is an electronically commutated (EC) M1G074-CF model, providing a maximum free-air flow rate of 985 m3/h at a nominal speed of 1250 RPM. Its forward-curved blades are designed for efficient air displacement within a compact footprint, and the assembly includes integrated electronics for speed control via a 0-10 VDC or PWM signal, alongside a tachometer output for performance monitoring.

D1G160-DA33-15 Specifications
Model Number: D1G160-DA33-15
Brand: ebm-papst
Motor: M1G074-CF
Nominal Voltage: 48 VDC
Voltage Range: 36 to 57 VDC
Power Consumption: 112 W
Current Draw: 2.9 A
Speed: 1250 RPM
Air Flow: 985 m3/h

Fan Size: 160 mm
Weight: 4.0 kg
Impeller Material: Sheet steel, galvanized
Housing Material: Sheet steel, galvanized
Direction of Rotation: Counter-clockwise (viewed toward rotor)
Degree of Protection: IP 42
Insulation Class: B
Operating Temp Range: -25 to 60 °C
Storage Temp Range: -40 to 80 °C
Bearing Type: Ball bearing
Technical Features: Tach output, Motor current limitation, Soft start, Control input 0-10 VDC / PWM
Motor Protection: Reverse polarity and locked-rotor protection
Electrical Connection: Wire leads
Approvals: UL 1004-1, CSA C22.2 No. 77, EAC, EN 60950-1

D1G160-DA33-15 Applications

Primary applications include integration into precision HVAC control panels, telecommunications base station cooling systems, and industrial frequency converter thermal management units. Deployed within cleanroom Fan Filter Units (FFU), air handling systems, and medical equipment ventilation where high-pressure air delivery and variable speed control are required.

Supplemental Images