

G2D180-BD18-11 ebmpapst 400V 180mm AC Centrifugal Fan

SKU: G2D180-BD18-11

Price: \$977.09

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/g2d180-bd18-11-ebmpapst-400v-180mm-ac-centrifugal-fan/>

Product Description

The ebmpapst G2D180-BD18-11 is a high-performance 400VAC three-phase AC Centrifugal Fan with a housing (flange) and an impeller diameter of 180 mm, specifically engineered for mission-critical cooling in industrial frequency converters and heavy-duty cabinet ventilation systems. Driven by the M2D068-EC external rotor motor with maintenance-free ball bearings, this forward-curved single inlet unit operates on a 400 VAC supply (Y connection), delivering a Max. Power Consumption of 305 W (50 Hz) / 430 W (60 Hz) and a Max. Current Draw of 0.62 A / 0.68 A at a rated speed of 2650 / 2950 RPM. Optimized for high-pressure industrial environments, this unit requires a Min. back pressure of 700 Pa / 840 Pa to ensure operational stability. Featuring a rugged die-cast aluminum housing and galvanized sheet steel impeller, this 180 mm unit ensures superior thermal management and an extended service life in continuous S1 environments at the end.

G2D180-BD18-11 Fan Parameters

Model Number: G2D180-BD18-11

Motor Model: M2D068-EC

Manufacturer: ebmpapst

Type: AC Centrifugal Fan (Forward-curved, single inlet)

Impeller Size: 180 mm

Dimensions: 261 x 282.5 x 125 mm

Weight: 4.1 kg

Bearing Type: Ball bearing

Nominal Voltage: 400 VAC

Phase: 3~

Connection: Y (Star)

Frequency: 50 / 60 Hz

Max. Current Draw: 0.62 / 0.68 A

Max. Power Consumption: 305 / 430 W

Rated Speed: 2650 / 2950 RPM

Min. Back Pressure: 700 / 840 Pa

Overall Efficiency (η_{es}): 32.5%

Efficiency Grade: N42.1

Noise Level: 74.0 dB(A)

Motor Protection: Thermal overload protector (TOP) internally connected

Insulation Class: "F"

Degree of Protection: IP 00

Protection Class: I

Humidity Class: F1-1

Impeller Material: Sheet steel, galvanised

Housing Material: Die-cast aluminum

Direction of Rotation: Counter-clockwise (viewed toward rotor)

Installation Position: Any

Mode: S1

Ambient Temperature (Max.): 50 / 60 °C

Min. Operating Temperature: -25 °C

Standard Compliance: EN 60335-1; CE

Approval: CCC; CE

Application

The ebmpapst G2D180-BD18-11 fan is the primary cooling component for industrial frequency converters, high-capacity power supplies, and control cabinet ventilation requiring high static pressure and a dedicated flange mounting structure.

Product Images









Scan for product details:

