

G2D160-AF02-09 ebmpapst 230/400V 160mm AC Centrifugal Fan

SKU: G2D160-AF02-09

Price: \$915.99

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/g2d160-af02-09-ebmpapst-230-400v-160mm-ac-centrifugal-fan/>

Product Description

The ebmpapst G2D160-AF02-09 is a high-performance 230/400 VAC AC Centrifugal Fan with an impeller size of 160 mm, specifically engineered for demanding thermal management in industrial frequency converters and electrical control cabinets. Driven by a robust three-phase M2D068-EC external rotor motor with a power consumption of 305.0 W and a nominal current of 0.48 A at 400 VAC (Star connection), this precision unit operates at a rated speed of 2300 RPM, delivering a powerful single-intake airflow for efficient heat extraction. Constructed with a ruggedized die-cast aluminum housing with integrated flange and a galvanized sheet steel forward-curved impeller system featuring high-precision ball bearings and a die-cast aluminum terminal box, this 4.3 kg unit provides a dependable and energy-efficient air-moving solution with a static efficiency of 32.2% and IP44 protection, 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.

G2D160-AF02-09 Fan Parameters

Model Number: G2D160-AF02-09

Manufacturer: ebmpapst

Motor Model: M2D068-EC

Motor Size: 68

Series: G2D 160 Series

Type: AC Centrifugal Fan (Single-intake)

Impeller Size: 160 mm

Weight: 4.3 kg

Bearing Type: Ball bearing

Nominal Voltage: 230 / 400 VAC (3-phase)

Wiring: Δ / Y connection
Frequency: 50 Hz
Power Consumption: 305.0 W
Nominal Current: 0.83 A (230V) / 0.48 A (400V)
Starting Current: 1.75 A (230V) / 1.0 A (400V)
Speed: 2300 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: 300.0 m³/h (at optimum efficiency)
Actual Static Pressure: 519.0 Pa (Pressure increase)
Static Efficiency (η_{es}): 32.2%
Efficiency Grade: N 44
Insulation Class: Class B
Electrical Hookup: Terminal box (Die-cast aluminum)
Direction of Rotation: Clockwise, viewed toward rotor
Housing Material: Die-cast aluminum, with flange
Impeller Material: Sheet steel, galvanized
Rotor Surface: Unpainted
Installation Position: Any
Operating Temperature: -25 - +50 °C
Storage Temperature: -40 - +80 °C
Degree of Protection: IP44 (installation-dependent)
Standard Compliance: EN 60335-1; CE
Approval Agency: EAC; CCC

Application

The ebmpapst G2D160-AF02-09 AC fan is primarily utilized in industrial frequency converters, power inverters, and electrical control cabinet heat dissipation systems.

Product Images









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