W2D250-GA04-09 ebmpapst 380VAC 250mm 120W Axial Fan Datasheet

Brand: ebmpapst

SKU: 834519441341

Category: Axial & Centrifugal Fans

Price: **$1,114.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/w2d250-ga04-09-ebmpapst-380vac-250mm-120w-axial-fan

Product Description

The ebmpapst W2D250-GA04-09 is a robust Axial Fan engineered for high-demand industrial thermal management. Utilizing the M2D068-DF three-phase AC motor technology, this unit delivers consistent aerodynamic performance with optimized thermal impedance. The construction features a durable metal housing and impeller designed to maintain structural rigidity under high-speed operation. Equipped with precision ball bearings, it ensures longevity and stability in continuous duty cycles. This fan is specifically calibrated for efficient heat dissipation in inverter systems and power electronics, balancing static pressure requirements with substantial volumetric airflow.

Model Number: W2D250-GA04-09
Brand: ebmpapst
Product Type: Axial Fan
Motor Model: M2D068-DF
Rated Voltage: 380 VAC
Frequency: 50 / 60 Hz
Input Power: 120 W
Output Power: 70 W
Rated Current: 0.27 A
Rated Speed: 2750 / 3050 RPM
Max. Air Flow: 1088 CFM (1850 m^3/h)

Max. Static Pressure: 15.3 mmH_2O (150 Pa)
Bearing Type: Ball Bearing
Impeller Diameter: 250 mm
Number of Blades: 5
Housing Material: Die-cast Aluminum
Impeller Material: Sheet Steel (Coated Black)
Ingress Protection: IP44
Insulation Class: F
Direction of Rotation: Counter-clockwise
Phase: 3-Phase
Operating Temperature: -25°C to +65°C
Weight: 2.8 kg
Compliance: CE, CCC, RoHS

The W2D250-GA04-09 is extensively utilized in industrial automation and power conversion environments. Its primary application involves cooling frequency inverters and variable frequency drives (VFDs) where reliable heat extraction is critical for component longevity. Additionally, the W2D250-GA04-09 serves as a vital cooling component in large-scale server cabinets, photovoltaic inverters, and heavy-duty electrical control panels, ensuring optimal operating temperatures for sensitive electronics.

Supplemental Images