M2D068-BF ebm-papst 400VAC 3-Phase Spindle Cooling Fan Datasheet

Brand: ebmpapst

SKU: 912727636128

Category: Axial & Centrifugal Fans

Price: **$642.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/m2d068-bf-ebm-papst-400vac-3-phase-spindle-cooling-fan

Product Description

Summary

The ebm-papst M2D068-BF is a specialized AC Spindle Cooling Fan engineered for high-demand industrial thermal regulation within Siemens spindle motor systems. Utilizing advanced 3-phase AC motor technology, this unit ensures optimal rotational stability and consistent airflow delivery to maintain critical operating temperatures. The construction features a high-grade bearing architecture designed to minimize friction and thermal impedance, enhancing the longevity of the connected machinery. Its aerodynamic structural rigidity supports continuous operation in harsh CNC environments, providing reliable heat dissipation for precision machining applications.

Spec List

Model Number: M2D068-BF
Brand: ebm-papst
Product Type: AC Spindle Cooling Fan
Rated Voltage: 400VAC
Voltage Range: 380 - 480 VAC
Phase: 3-Phase
Frequency: 50 / 60 Hz
Rated Current: 0.13 A / 0.11 A
Power Input: 65 W / 80 W

Rated Speed: 2650 RPM / 2950 RPM
Bearing Type: Ball Bearing
Motor Size: 68 mm
Motor Type: AC Induction Motor
Impeller Design: 5-Blade Configuration
Direction of Rotation: Clockwise
Insulation Class: Class F
Ingress Protection: IP44
Housing Material: Die-Cast Aluminum
Blade Material: Sheet Steel (Coated)
Electrical Connection: Terminal Block / Lead Wires
Operating Temperature: -25 to +60 C
Storage Temperature: -40 to +80 C
Mounting Orientation: Flange Mount
Capacitor: Not Required (3-Phase)
Weight: 1.8 kg
Life Expectancy: 40000 Hours
Compatible Application: Siemens Spindle Motors
Compliance: CE, RoHS, CCC

Application

The M2D068-BF is specifically deployed in the thermal management of high-precision Siemens spindle motors utilized in industrial CNC machining centers and automated milling stations. By integrating directly into the motor housing, the M2D068-BF ensures rapid heat evacuation during intense cutting cycles, preventing thermal expansion errors in sensitive components. This unit is essential for maintaining the accuracy and lifespan of heavy-duty equipment in metalworking, robotics, and aerospace manufacturing sectors where continuous uptime is critical.

Supplemental Images


ebmpapst
depth of screw
max. 5mm
EPDM