

5920FT-D5W-B60-D04 NMB-MAT 24VDC 172x150mm Axial Fan Datasheet



Brand: NMB

SKU: 908089927804

Category: Axial & Centrifugal Fans

Price: \$179.99

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Product Page:

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Product Description

The NMB-MAT 5920FT-D5W-B60-D04 is a high-performance DC Axial Fan engineered for critical industrial thermal management and high-power electronic cooling applications. Utilizing advanced dual ball bearing architecture, this unit ensures long-term operational stability under continuous heavy loads, significantly reducing mechanical friction and thermal impedance. The aerodynamic impeller design is optimized for high static pressure environments, delivering the substantial airflow required for dense component cooling in restricted spaces. Constructed with a robust aluminum die-cast frame providing superior structural rigidity, this 24VDC cooling solution is specifically calibrated for heavy-duty machinery, ensuring optimal thermal envelopes are maintained in demanding operational conditions.

Model Number: 5920FT-D5W-B60-D04

Brand: NMB-MAT (MinebeaMitsumi)

Product Type: DC Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 18.0 - 27.6 VDC

Rated Current: 4.80 A

Power Consumption: 115.2 W

Rated Speed: 5500 RPM (Estimated based on current)

Bearing Type: Dual Ball Bearing

Max. Air Flow: 330.0 CFM (Estimated High Performance)

Max. Static Pressure: 1.20 inH₂O (Estimated)

Dimensions: 172 x 150 x 51 mm

Frame Style: Side Cut (Oval)

Weight: 850 g

Termination: 2-Wire Lead

Housing Material: Aluminum Die-Cast

Impeller Material: Reinforced Plastic (UL94V-0)

Operating Temperature: -10 to +70 Degrees Celsius

Storage Temperature: -40 to +70 Degrees Celsius

Ingress Protection: IP20

Life Expectancy: 100,000 Hours at 25C

Mounting Orientation: Any

Designed for rigorous industrial environments, the 5920FT-D5W-B60-D04 is frequently deployed in high-capacity power inverters and variable frequency drives where rapid heat dissipation is mandatory. Its high-static pressure profile makes it ideal for telecommunications cabinets and server chassis requiring forced air through dense obstructions. Additionally, the 5920FT-D5W-B60-D04 serves as a critical component in CNC machinery and automation control panels, ensuring sensitive electronics remain within safe operating temperature ranges to prevent thermal throttling or component failure.

Supplemental Images

