

5920PL-05W-B40-D00 NMB-MAT 24VDC 172x150x51mm Axial Fan Datasheet



Brand: NMB

SKU: [907583315643](#)

Category: Axial & Centrifugal Fans

Price: **\$77.99**

E-mail: sales@equipspares.com

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Product Description

The NMB-MAT 5920PL-05W-B40-D00 is a robust DC Axial Fan engineered for high-static pressure environments requiring superior thermal impedance management. Featuring a precision-machined aluminum die-cast frame, this unit offers exceptional structural rigidity and heat dissipation properties compared to standard plastic housings. The motor assembly utilizes MinebeaMitsumi's advanced dual ball bearing architecture, ensuring longevity and stable operation under continuous load. Its aerodynamic impeller design optimizes airflow efficiency while minimizing turbulence-induced noise, making it an ideal solution for critical cooling applications where reliability is paramount and downtime must be minimized.

Model Number: 5920PL-05W-B40-D00

Brand: NMB-MAT (MinebeaMitsumi)

Product Type: DC Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 12.0 - 27.6 VDC

Rated Current: 0.95 A

Power: 22.8 W

Rated Speed: 3350 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 250.0 CFM (7.08 m³/min)

Max. Static Pressure: 19.6 mmH₂O (192 Pa / 0.77 inH₂O)

Dimensions: 172mm x 150mm x 51mm

Weight: 830 g

Life Expectancy: 100,000 Hours @ 25°C

Frame Material: Aluminum Die-Cast

Impeller Material: Plastic (UL94V-0)

Noise Level: 56.0 dB(A)

Termination: Lead Wires

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP20

Protection: Locked Rotor Protection, Reverse Polarity Protection

Designed for rigorous industrial environments, the 5920PL-05W-B40-D00 excels in cooling high-power electronics such as variable frequency drives (VFDs) and solar inverters. Its high airflow capacity makes it suitable for server rack ventilation, telecommunications cabinets, and CNC machinery control panels. Integrators frequently select the 5920PL-05W-B40-D00 for systems requiring sustained thermal regulation to prevent component degradation in enclosed spaces.

Supplemental Images

