

4715VL-07W-B89-E00 NMB-MAT 48VDC 120mm Axial Fan Datasheet



Brand: NMB

SKU: 979319957872

Category: Axial & Centrifugal Fans

Price: \$28.99

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Product Page:

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Product Description

NMB-MAT 4715VL-07W-B89-E00 is a 48VDC 120x120x38mm Axial Fan optimized for high-density thermal management in industrial power electronics. This high-pressure cooling solution utilizes a brushless DC motor architecture with precision dual ball bearings to minimize thermal impedance in restricted airflow environments. The structural rigidity of its aluminum housing and PBT thermoplastic impeller ensures stability at a rated speed of 6000 RPM. Engineered for continuous duty, it delivers a substantial 0.90A current draw and 313.8 Pa static pressure, making it an ideal replacement fan for high-performance VFD cooling and server infrastructure requiring reliable heat dissipation under high system impedance.

Model Number: 4715VL-07W-B89-E00

Brand: NMB-MAT

Product Type: Axial Fan

Rated Voltage: 48 VDC

Voltage Range: 28.0 - 56.0 VDC

Rated Current: 0.90 A

Power: 43.2 W

Rated Speed: 6000 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 215.4 CFM (6.10 m³/min / 366.0 m³/h)

Max. Static Pressure: 31.9 mmH₂O (313.8 Pa / 1.26 inH₂O)

Dimensions: 120 x 120 x 38 mm

Weight: 330 g

Life Expectancy: 70,000 Hours at 40°C

Noise Level: 60.5 dB

Housing Material: Aluminum

Blade Material: Plastic (UL94V-0)

Termination: 3 Lead Wires

Speed Control: Tachometer / Signal Output

Protection: Auto Restart / Polarity Protection

Insulation Resistance: 10M Ohm min. at 500 VDC

Dielectric Strength: 700 VAC for 1 minute

Operating Temperature: -10 to +70 C

Storage Temperature: -40 to +70 C

4715VL-07W-B89-E00 Applications

1. Industrial VFD Cooling: High static pressure capability allows the fan to overcome the dense internal resistance of variable frequency drive heat sinks, ensuring power module longevity.
2. 2U/3U Rackmount Servers: The 38mm depth and high RPM profile provide the necessary CFM to maintain thermal equilibrium in high-density compute environments.
3. Telecom Base Stations: Robust dual ball bearing architecture supports vertical or horizontal mounting in ruggedized outdoor enclosures where high-reliability cooling is critical.

Supplemental Images

