

# 5920VL-05W-B89-DQ3 NMB-MAT 24VDC 172x150x50mm Axial Fan Datasheet



**Brand:** NMB

**SKU:** 740639500945

**Category:** Axial & Centrifugal Fans

**Price:** **\$104.99**

**E-mail:** [sales@equipspares.com](mailto:sales@equipspares.com)

**Web:** <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/5920vl-05w-b89-dq3-nmb-mat-24vdc-172x150x50mm-axial-fan>

## Product Description

The NMB-MAT 5920VL-05W-B89-DQ3 is a high-performance DC Axial Fan engineered for critical thermal management in industrial and telecommunications environments. Operating at a rated voltage of 24VDC with a significant current draw of 2.20A, this unit delivers exceptional airflow throughput required for high-impedance systems. The fan features a robust aluminum die-cast housing and a precision-balanced thermoplastic impeller, supported by a durable dual ball bearing system that ensures structural rigidity and extended operational life under thermal stress. Designed with a 3-wire configuration for tachometer signal output, the 5920VL-05W-B89-DQ3 provides real-time speed monitoring, making it an ideal solution for mission-critical applications requiring fail-safe cooling reliability.

Model Number: 5920VL-05W-B89-DQ3

Brand: NMB-MAT (MinebeaMitsumi)

Product Type: DC Axial Fan

Rated Voltage: 24VDC

Voltage Range: 18.0 - 27.6 VDC

Rated Current: 2.20 A

Input Power: 52.8 W

Rated Speed: 4800 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 330.0 CFM (560.7 m<sup>3</sup>/h / 9.34 m<sup>3</sup>/min)

Max. Static Pressure: 28.5 mmH<sub>2</sub>O (279.5 Pa / 1.12 inH<sub>2</sub>O)

Dimensions: 172mm x 150mm x 50mm

Termination: 3-Wire Leads (Red +, Black -, White/Yellow Signal)

Housing Material: Aluminum Die-Cast

Impeller Material: Plastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Noise Level: 68.0 dB(A)

Life Expectancy: 100,000 Hours @ 25°C

Weight: 830 g

Protection: Auto Restart / Polarity Protection

This heavy-duty cooling solution is specifically designed for deployment in high-density server racks, telecommunications base stations, and industrial automation cabinets where heat dissipation is paramount. The 5920VL-05W-B89-DQ3 excels in overcoming the high static pressure resistance found in tightly packed electronic enclosures, ensuring optimal airflow across sensitive components. Additionally, the 5920VL-05W-B89-DQ3 is frequently utilized in large-scale power inverters and CNC machinery, providing the consistent thermal regulation necessary to prevent system failure and maintain operational efficiency.

## Supplemental Images

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