

3612KL-05W-B50-BQ8 NMB-MAT 24VDC 92x32mm Axial Fan Datasheet



Brand: NMB

SKU: [886933374371](#)

Category: Axial & Centrifugal Fans

Price: **\$27.99**

E-mail: sales@equipspares.com

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

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Product Description

The NMB-MAT 3612KL-05W-B50-BQ8 is a precision-engineered DC Axial Fan designed for critical thermal management in industrial electronics and power conversion systems. Manufactured by MinebeaMitsumi, this unit integrates a robust dual ball bearing architecture that significantly reduces frictional coefficient and enhances rotational stability over extended operational lifecycles. The aerodynamic impeller design optimizes static pressure delivery while maintaining structural rigidity under high-velocity conditions. Engineered with a flame-retardant PBT housing, the fan ensures reliable heat dissipation and low thermal impedance, making it an ideal solution for maintaining optimal operating temperatures in high-density electronic enclosures and variable frequency drives.

Model Number: 3612KL-05W-B50-BQ8

Brand: NMB-MAT (MinebeaMitsumi)

Product Type: DC Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 12.0 - 27.6 VDC

Rated Current: 0.32 A

Power Consumption: 7.68 W

Rated Speed: 4000 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 76.2 CFM (129.5 m³/h / 2.16 m³/min)

Max. Static Pressure: 8.8 mmH₂O (86.3 Pa / 0.35 inH₂O)

Dimensions: 92 x 92 x 32 mm

Weight: 220 g

Noise Level: 46.5 dBA

Life Expectancy: 100,000 Hours at 25°C

Housing Material: Plastic (UL94V-0)

Impeller Material: Plastic (UL94V-0)

Termination: 3-Wire Lead

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP20

Protection: Locked Rotor Protection, Reverse Polarity

Sensor Output: Locked Rotor Alarm / Tachometer Signal

This high-reliability cooling solution is extensively utilized in industrial automation environments, specifically for variable frequency drive (VFD) inverters and power supply units. The 3612KL-05W-B50-BQ8 excels in server rack ventilation and telecommunications equipment where consistent airflow is paramount to prevent thermal throttling. Additionally, the 3612KL-05W-B50-BQ8 is frequently deployed in CNC machinery control panels and medical instrumentation, ensuring component longevity through efficient heat evacuation.

Supplemental Images

