

3615KL-05W-B50-PR1 NMB-MAT 24VDC 92x92x38mm Axial Fan Datasheet



Brand: NMB

SKU: [728189739777](#)

Category: Axial & Centrifugal Fans

Price: **\$41.99**

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Product Description

The NMB-MAT 3615KL-05W-B50-PR1 is a precision-engineered DC Axial Fan designed for critical thermal management in industrial environments. Featuring an advanced DC brushless motor architecture paired with a robust dual ball bearing system, this unit ensures minimal friction and extended operational longevity under continuous load. The aerodynamic impeller geometry is optimized to deliver high airflow while maintaining structural rigidity, effectively reducing thermal impedance in high-density enclosures. Its durable construction meets rigorous standards for reliability, making it an ideal solution for systems requiring consistent cooling performance and low vibration signatures.

Model Number: 3615KL-05W-B50-PR1

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: 11.2 mmH₂O (110 Pa / 0.44 inH₂O)

Dimensions: 92 x 92 x 38 mm

Weight: 210 g

Life Expectancy: 100,000 Hours (25°C / 65% RH)

Noise Level: 46.5 dB(A)

Housing Material: Plastic (Black) UL94V-0

Impeller Material: Plastic (Black) UL94V-0

Termination: 3-Wire Lead (Red +, Black -, White Sensor)

Speed Control: Tachometer Output (Pulse Sensor)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Insulation Resistance: 10M Ω or over with a DC500V Megger

Dielectric Strength: AC 700V 1s

Motor Protection: Auto Restart / Polarity Protection

This high-performance cooling solution is extensively utilized in industrial automation equipment, including variable frequency drives (such as ABB units) and power supply units where reliable heat dissipation is paramount. The 3615KL-05W-B50-PR1 is specifically engineered to fit standard 92mm mounting footprints found in server racks, telecommunications cabinets, and CNC machinery control panels. By maintaining optimal operating temperatures, the 3615KL-05W-B50-PR1 protects sensitive electronic components from thermal degradation, ensuring system stability in medical devices and heavy-duty manufacturing environments.

Supplemental Images

