

3112KL-05W-B60-E00 NMB 24VDC 80x80x32mm Axial Fan Datasheet



Brand: NMB

SKU: [771194871227](#)

Category: Axial & Centrifugal Fans

Price: **\$30.99**

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Product Page:

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Product Description

The NMB 3112KL-05W-B60-E00 is a robust Axial Fan engineered for demanding thermal management applications. Featuring a highly efficient DC brushless motor and NMB's precision dual ball bearing architecture, this unit ensures exceptional longevity and reduced friction coefficients under continuous operation. The 80mm chassis utilizes an optimized impeller design to maximize static pressure while maintaining stable airflow, effectively lowering thermal impedance in high-density electronic enclosures. Constructed with UL94V-0 rated materials, it offers superior structural rigidity and reliability for industrial environments.

Model Number: 3112KL-05W-B60-E00

Brand: NMB-MAT (MinebeaMitsumi)

Product Type: DC Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.28 A

Input Power: 6.72 W

Rated Speed: 4200 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 53.0 CFM (1.50 m³/min)

Max. Static Pressure: 8.6 mmH₂O (84.3 Pa / 0.34 inH₂O)

Dimensions: 80 x 80 x 32 mm

Noise Level: 43.0 dB-A

Weight: 95 g

Housing Material: Plastic (UL94V-0)

Impeller Material: Plastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Life Expectancy: 100,000 Hours (at 25°C)

Termination: Lead Wires

Ingress Protection: IP20

Insulation Resistance: 10M Ohm min. at 500 VDC

Dielectric Strength: 700 VAC for 1 sec

Motor Protection: Locked Rotor Protection, Polarity Protection

This cooling solution is specifically designed for critical heat dissipation in industrial machinery, including variable frequency drives and power inverters where the 3112KL-05W-B60-E00 excels. Its high static pressure capabilities make it ideal for server racks and telecommunication cabinets requiring forced air through dense componentry. Additionally, the 3112KL-05W-B60-E00 is frequently utilized in CNC control systems, medical instrumentation, and power supply units, ensuring operational stability by preventing thermal throttling in enclosed spaces.

Supplemental Images

