

12038VA-24N-FB-01 NMB 24VDC 0.96A 120x120x38mm Axial Fan Datasheet



Brand: NMB

SKU: 988389263248

Category: Axial & Centrifugal Fans

Price: \$26.99

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Product Page:

<https://www.equipspares.com/product/12038va-24n-fb-01-nmb-24vdc-0-96a-120x120x38mm-axial-fan>

Product Description

The NMB 12038VA-24N-FB-01 is a high-performance DC axial fan engineered by MinebeaMitsumi for critical thermal management in industrial electronics. This unit features a precision dual ball bearing architecture, ensuring exceptional rotational stability and minimizing friction to extend operational longevity under continuous high-load conditions. The aerodynamic impeller design is optimized to deliver high static pressure, significantly reducing thermal impedance within dense enclosures. Constructed with a robust UL94V-0 reinforced PBT housing, the fan maintains structural rigidity while resisting deformation at elevated temperatures. Its integrated 3-wire interface provides a tachometer signal for real-time speed monitoring, allowing for precise feedback control in sophisticated cooling systems.

Model Number: 12038VA-24N-FB-01

Brand: NMB-MAT (MinebeaMitsumi)

Product Type: DC Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.96 A

Input Power: 23.04 W

Rated Speed: 3600 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 130.0 CFM (220.8 m³/h / 3.68 m³/min)

Max. Static Pressure: 12.5 mmH₂O (122.5 Pa / 0.49 inH₂O)

Dimensions: 120 x 120 x 38 mm

Weight: 290 g

Life Expectancy: 100,000 Hours (L10 at 25°C)

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

Speed Control: Tachometer Output (FG Signal)

Housing Material: PBT Plastic (UL94V-0)

Impeller Material: PBT Plastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Noise Level: 53.0 dB(A)

Ingress Protection: IP20

Certifications: UL, CSA, TUV, CE

Designed for rigorous industrial environments, the 12038VA-24N-FB-01 is specifically calibrated for cooling variable frequency drives (VFDs) and high-power inverters where heat dissipation is paramount. Its high airflow capacity makes it an ideal solution for server rack ventilation, telecommunications cabinets, and CNC machinery control panels. By integrating the 12038VA-24N-FB-01 into power supply units and medical instrumentation, engineers ensure reliable thermal regulation, preventing component failure due to overheating in 24/7 duty cycles.

Supplemental Images

