

12038VA-24R-EU-03 NMB 24VDC 1.77A 120x120x38mm Axial Fan Datasheet



Brand: NMB

SKU: [965357401886](#)

Category: Axial & Centrifugal Fans

Price: **\$27.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/12038va-24r-eu-03-nmb-24vdc-1-77a-120x120x38mm-axial-fan>

Product Description

The NMB 12038VA-24R-EU-03 is a DC Axial Fan engineered for demanding industrial thermal management. Utilizing advanced brushless DC motor technology and a precision dual ball bearing architecture, this unit minimizes thermal impedance while maintaining exceptional structural rigidity under high rotational stress. Its aerodynamic impeller design is optimized for high static pressure, ensuring efficient heat dissipation in densely packed electronic enclosures. The 4-wire configuration supports sophisticated speed control and monitoring via PWM and tachometer signals, making it an ideal solution for mission-critical systems requiring reliable, long-term cooling performance in harsh environments.

Model Number: 12038VA-24R-EU-03

Brand: NMB

Product Type: DC Axial Fan

Rated Voltage: 24VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 1.77A

Power: 42.48W

Rated Speed: 6200 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 224.2 CFM (380.9 m³/h / 6.35 m³/min)

Max. Static Pressure: 34.6 mmH₂O (340 Pa / 1.36 inH₂O)

Dimensions: 120x120x38mm

Weight: 370g

Life Expectancy: 70,000 Hours

Speed Control: PWM Control, Tachometer

Noise Level: 64.0 dB

Housing Material: Plastic UL94V-0

Blade Material: Plastic UL94V-0

Termination: 4-Lead Wires

Operating Temperature: -10 to +70 C

Storage Temperature: -40 to +70 C

Protection: Locked Rotor Protection, Reverse Polarity Protection

Certifications: UL, CSA, VDE, CE

The 12038VA-24R-EU-03 is specifically designed for high-demand cooling in power electronics, particularly within industrial frequency inverters and variable speed drives. Due to its robust construction, the 12038VA-24R-EU-03 is also frequently deployed in enterprise server racks, telecommunications base stations, and CNC machine control cabinets where consistent airflow is vital for component longevity.

Supplemental Images

