

# 12038VA-48R-EL-01 NMB-MAT 48VDC 120x120x38mm Axial Fan Datasheet



**Brand:** NMB

**SKU:** [844489312839](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$27.99**

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Product Page:

<https://www.equipspares.com/product/12038va-48r-el-01-nmb-mat-48vdc-120x120x38mm-axial-fan>

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## Product Description

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The NMB-MAT 12038VA-48R-EL-01 is a precision-engineered DC Axial Fan designed for critical thermal management in high-demand industrial environments. Featuring a robust Dual Ball Bearing architecture, this unit ensures minimized friction and extended operational longevity under continuous load conditions. The aerodynamic impeller design optimizes static pressure capabilities while maintaining structural rigidity, effectively reducing thermal impedance in high-density enclosures. Engineered with a durable PBT housing and advanced motor technology, the 12038VA-48R-EL-01 delivers reliable cooling performance, making it an essential component for maintaining system stability in demanding electronic applications.

Model Number: 12038VA-48R-EL-01

Brand: NMB-MAT (MinebeaMitsumi)

Product Type: DC Axial Fan

Rated Voltage: 48 VDC

Voltage Range: 28.0 - 56.0 VDC

Rated Current: 0.90 A

Power: 43.2 W

Rated Speed: 4400 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 160.0 CFM (271.8 m<sup>3</sup>/h / 4.53 m<sup>3</sup>/min)

Max. Static Pressure: 18.5 mmH<sub>2</sub>O (181.4 Pa / 0.73 inH<sub>2</sub>O)

Dimensions: 120 x 120 x 38 mm

Weight: 290 g

Life Expectancy: 70,000 Hours @ 40°C

Noise Level: 56.0 dB(A)

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

Insulation Class: Class E

Motor Protection: Locked Rotor Protection, Reverse Polarity

Speed Control: Tachometer Output

Designed for high-static pressure environments, this cooling solution is widely utilized in industrial inverters, variable frequency drives, and telecommunication infrastructure. The 12038VA-48R-EL-01 excels in server rack ventilation and power supply unit thermal regulation, ensuring optimal component temperatures. Additionally, the 12038VA-48R-EL-01 is frequently integrated into CNC machinery and automation control cabinets where consistent airflow is critical for preventing thermal shutdown.

## Supplemental Images

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