

# 12038VA-24P-FU-04 NMB 24VDC 120x120x38mm 4-Wire Axial Fan Datasheet



**Brand:** NMB

**SKU:** 921395490725

**Category:** Axial & Centrifugal Fans

**Price:** **\$38.99**

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Product Page:

<https://www.equipspares.com/product/12038va-24p-fu-04-nmb-24vdc-120x120x38mm-4-wire-axial-fan>

## Product Description

The NMB 12038VA-24P-FU-04 is a high-static pressure DC Axial Fan engineered for critical thermal management in industrial environments. Manufactured by MinebeaMitsumi, this unit features a robust thermoplastic housing designed for structural rigidity and vibration dampening. It utilizes precision dual ball bearing architecture to ensure longevity and stable operation under continuous loads. With a rated voltage of 24VDC and a current draw of 0.89A, the fan delivers exceptional airflow efficiency, optimizing the thermal impedance of heat sinks in inverters and automation equipment. The aerodynamic impeller design maximizes the P-Q characteristic curve for demanding back-pressure applications.

Model Number: 12038VA-24P-FU-04

Brand: NMB (MinebeaMitsumi)

Product Type: DC Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.89 A

Power Consumption: 21.36 W

Dimensions: 120 x 120 x 38 mm

Bearing Type: Dual Ball Bearing

Max. Air Flow: 160.0 CFM (Approx. 271 m<sup>3</sup>/h)

Max. Static Pressure: 18.5 mmH<sub>2</sub>O (Approx. 181 Pa)

Rated Speed: 4200 RPM

Noise Level: 56.0 dBA

Termination: 4-Wire (PWM/Tachometer Support)

Housing Material: PBT Plastic (UL94V-0)

Impeller Material: PBT Plastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Life Expectancy: 70,000 Hours (at 40°C)

Ingress Protection: IP20

Mounting Orientation: Any

Application: Inverter Cooling, Server Cabinets

Designed for rigorous industrial environments, the 12038VA-24P-FU-04 excels in cooling variable frequency drives (VFDs) and high-density server racks where sustained airflow is critical. Its high-pressure profile makes it suitable for forcing air through dense fin stacks in power supply units and CNC machinery control cabinets. The 12038VA-24P-FU-04 ensures reliable heat dissipation, preventing thermal throttling in telecommunications infrastructure and automated manufacturing systems.

## Supplemental Images

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