

# 04028VA-12N-AT-01 NMB 12VDC 40x40x28mm 0.30A Axial Fan Datasheet



**Brand:** NMB

**SKU:** [933459269667](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$9.99**

---

**E-mail:** [sales@equipspares.com](mailto:sales@equipspares.com)

**Web:** <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/04028va-12n-at-01-nmb-12vdc-40x40x28mm-0-30a-axial-fan>

---

## Product Description

---

The NMB 04028VA-12N-AT-01 is a high-performance DC axial fan engineered by MinebeaMitsumi for precision thermal management in compact electronic enclosures. Utilizing advanced aerodynamic impeller geometry and NMB's proprietary precision ball bearing technology, this unit delivers exceptional airflow relative to its 40mm footprint. The motor architecture features a brushless DC design optimized for low thermal impedance and high structural rigidity, ensuring stable operation at speeds up to 13000 RPM. Designed for continuous duty cycles, the 04028VA-12N-AT-01 maintains consistent static pressure performance, making it ideal for overcoming high system resistance in densely packed server and telecommunication environments.

Model Number: 04028VA-12N-AT-01

Brand: NMB-MAT (MinebeaMitsumi)

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 0.30 A

Input Power: 3.60 W

Rated Speed: 13000 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 19.4 CFM (33.0 m<sup>3</sup>/h / 0.55 m<sup>3</sup>/min)

Max. Static Pressure: 0.78 inH<sub>2</sub>O (194 Pa / 19.8 mmH<sub>2</sub>O)

Dimensions: 40 x 40 x 28 mm

Weight: 45 g

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

Noise Level: 46.0 dBA

Speed Control: Tachometer Output (3-Wire)

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

Termination: 3-Wire Lead (Red +, Black -, White/Yellow Signal)

Motor Protection: Auto Restart / Polarity Protection

Ingress Protection: IP40

The 04028VA-12N-AT-01 is specifically designed for high-static pressure applications found in enterprise computing and industrial automation. Common deployment scenarios include 1U server rack cooling, power supply unit (PSU) ventilation, and localized hotspot cooling in CNC machinery control boards. The compact 40mm frame allows the 04028VA-12N-AT-01 to fit into tight chassis spaces where airflow impedance is significant, ensuring critical components in network switches and medical instrumentation remain within safe thermal operating limits.

## Supplemental Images

---

