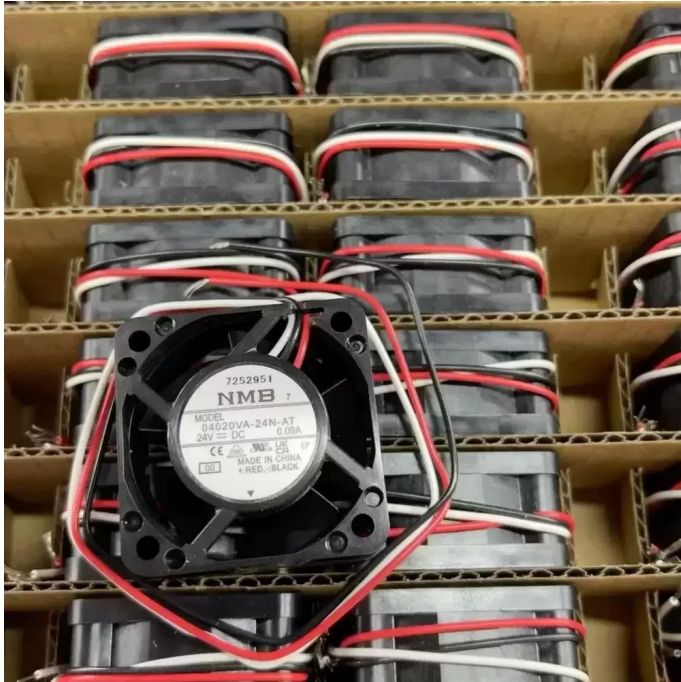


04020VA-24N-AT-00 NMB 24VDC 40x40x20mm 0.09A Axial Fan Datasheet



Brand: NMB

SKU: [990390152373](#)

Category: Axial & Centrifugal Fans

Price: **\$19.99**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/04020va-24n-at-00-nmb-24vdc-40x40x20mm-0-09a-axial-fan>

Product Description

The NMB 04020VA-24N-AT-00 is a precision-engineered Axial Fan designed for critical thermal management in compact industrial environments. Leveraging MinebeaMitsumi's advanced motor technology, this unit features a robust DC brushless motor architecture optimized for consistent airflow and reduced electromagnetic interference. The structural rigidity is maintained through a reinforced Polybutylene Terephthalate (PBT) housing, ensuring durability against vibrational stress. Its aerodynamic impeller design minimizes turbulence, thereby lowering the acoustic signature while maximizing static pressure capabilities. This component is essential for maintaining optimal thermal impedance in high-density electronic assemblies.

Model Number: 04020VA-24N-AT-00

Brand: NMB-MAT (MinebeaMitsumi)

Product Type: DC Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.09 A

Input Power: 2.16 W

Rated Speed: 7500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 9.5 CFM (16.1 m³/h / 0.27 m³/min)

Max. Static Pressure: 5.6 mmH₂O (54.9 Pa / 0.22 inH₂O)

Dimensions: 40 x 40 x 20 mm

Weight: 30 g

Life Expectancy: 60,000 Hours at 40°C

Noise Level: 32.0 dB(A)

Housing Material: PBT Plastic (UL94V-0)

Impeller Material: PBT Plastic (UL94V-0)

Termination: 3 Lead Wires (+ Red, - Black)

Wire Gauge: 26 AWG

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Protection: Auto Restart / Polarity Protection

Insulation Resistance: 10M Ohm min. at 500VDC

Dielectric Strength: 700VAC for 1 sec

Mounting Orientation: Any

The 04020VA-24N-AT-00 is specifically engineered for deployment in space-constrained industrial equipment requiring reliable forced convection. Common integration points include server rack power supply units, telecommunications switching gear, and compact CNC control modules where continuous operation is mandatory. The 04020VA-24N-AT-00 also serves effectively in medical instrumentation and network routers, ensuring sensitive components remain within safe operating temperature ranges to prevent thermal throttling or hardware failure.

Supplemental Images

