

04020VA-24P-BL-05 NMB 24VDC 40x40x20mm 0.13A Axial Fan Datasheet



Brand: NMB

SKU: [681423703543](#)

Category: Axial & Centrifugal Fans

Price: **\$17.99**

E-mail: sales@equipspares.com

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<https://www.equipspares.com/product/04020va-24p-bl-05-nmb-24vdc-40x40x20mm-0-13a-axial-fan>

Product Description

The NMB 04020VA-24P-BL-05 is a precision-engineered DC Axial Fan designed by MinebeaMitsumi to deliver superior thermal management in compact industrial environments. Utilizing advanced DC motor technology paired with NMB's proprietary dual ball bearing architecture, this unit ensures minimal friction and extended operational longevity under continuous load. The aerodynamic impeller design optimizes airflow while maintaining structural rigidity, effectively reducing thermal impedance within high-density electronic enclosures. Engineered with a robust Polybutylene Terephthalate (PBT) frame, it offers exceptional resistance to environmental stress, making it an ideal solution for critical cooling applications requiring reliable locked rotor alarm signaling and consistent static pressure performance.

Model Number: 04020VA-24P-BL-05

Brand: NMB-MAT (MinebeaMitsumi)

Product Type: DC Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.13 A

Power Consumption: 3.12 W

Rated Speed: 9500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 10.6 CFM (18.0 m³/h / 0.30 m³/min)
Max. Static Pressure: 7.1 mmH₂O (69.6 Pa / 0.28 inH₂O)
Dimensions: 40 x 40 x 20 mm
Weight: 30 g
Life Expectancy: 60,000 Hours at 40°C
Speed Control: Locked Rotor Alarm Sensor (3-Wire)
Ingress Protection: IP40
Noise Level: 39.0 dB(A)
Housing Material: PBT Plastic (UL94V-0)
Impeller Material: PBT Plastic (UL94V-0)
Termination: 3-Wire Lead with Connector
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Mounting Orientation: Any
Certifications: UL, CSA, TUV, VDE
Protection: Locked Rotor Protection, Reverse Polarity Protection

This cooling solution is specifically calibrated for industrial automation equipment, serving as a direct replacement component for the Yaskawa 7-series Inverter drives. The 04020VA-24P-BL-05 ensures optimal operating temperatures for variable frequency drives (VFDs), preventing thermal throttling during intensive motor control operations. Beyond inverter applications, the 04020VA-24P-BL-05 is frequently utilized in compact server racks, telecommunications power supplies, and precision CNC control modules where space constraints demand high static pressure and reliable failure detection.

Supplemental Images

