

# 2406KL-05W-B50-BQ1 NMB 24VDC 60mm 2-Wire Axial Fan Datasheet



**Brand:** NMB

**SKU:** [923744869074](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$20.99**

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Product Page:

<https://www.equipspares.com/product/2406kl-05w-b50-bq1-nmb-24vdc-60mm-2-wire-axial-fan>

## Product Description

The NMB 2406KL-05W-B50-BQ1 is a precision-engineered DC axial fan designed by MinebeaMitsumi for critical thermal management applications. This unit features a robust dual ball bearing architecture that ensures long-term operational stability and reduced friction coefficients under continuous load. The aerodynamic impeller design optimizes airflow efficiency while maintaining a compact 60mm footprint, minimizing thermal impedance within high-density enclosures. Constructed with high-grade UL94V-0 plastic, the housing offers superior structural rigidity and vibration damping properties, making it suitable for industrial environments requiring reliable forced convection cooling.

Model Number: 2406KL-05W-B50-BQ1

Brand: NMB-MAT (MinebeaMitsumi)

Product Type: DC Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 10.0 - 27.6 VDC

Rated Current: 0.13 A

Input Power: 3.12 W

Rated Speed: 4600 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 18.3 CFM (31.1 m<sup>3</sup>/h / 0.52 m<sup>3</sup>/min)

Max. Static Pressure: 4.5 mmH<sub>2</sub>O (44.1 Pa / 0.18 inH<sub>2</sub>O)

Dimensions: 60 x 60 x 15 mm

Weight: 45 g

Noise Level: 34.0 dBA

Life Expectancy: 100,000 Hours at 25°C

Housing Material: Plastic (Black) UL94V-0

Impeller Material: Plastic (Black) UL94V-0

Termination: 2-Wire Lead (Red +, Black -)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Protection: Auto Restart, Polarity Protection

Rotation Direction: Clockwise looking at rotor

Airflow Direction: Air Out Over Struts

Insulation Resistance: 10M Ohm min. at 500 VDC

Dielectric Strength: 700 VAC for 1 second

This cooling solution is engineered for integration into compact industrial electronics and power conversion systems. The 2406KL-05W-B50-BQ1 is frequently utilized in variable frequency drives (VFDs) and solar inverters where space constraints require a slim 15mm profile without compromising airflow. Additionally, the 2406KL-05W-B50-BQ1 serves as a critical component in network switchgear, medical instrumentation, and CNC control cabinets, providing consistent thermal regulation to prevent component degradation in 24/7 operational environments.

## Supplemental Images

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