

# 2406KL-05W-B59-B00 NMB 24VDC 60x15mm 3-Wire Axial Fan Datasheet



**Brand:** NMB

**SKU:** [992986538735](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$25.99**

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Product Page:

<https://www.equipspares.com/product/2406kl-05w-b59-b00-nmb-24vdc-60x15mm-3-wire-axial-fan>

## Product Description

The NMB 2406KL-05W-B59-B00 is a precision-engineered DC axial fan designed for critical thermal management in industrial electronics and automation systems. Utilizing advanced DC brushless motor technology paired with a robust dual ball bearing architecture, this unit ensures minimized friction and extended operational longevity under continuous load conditions. The aerodynamic impeller design optimizes airflow efficiency while maintaining low acoustic resonance, effectively reducing thermal impedance within high-density enclosures. Its structural rigidity is reinforced by a UL94V-0 rated Polybutylene Terephthalate (PBT) housing, making it suitable for harsh industrial environments requiring reliable forced convection cooling and vibration resistance.

Model Number: 2406KL-05W-B59-B00

Brand: NMB-MAT (MinebeaMitsumi)

Product Type: Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 10.0 - 27.6 VDC

Rated Current: 0.13 A

Power Consumption: 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: 5.6 mmH<sub>2</sub>O (54.9 Pa / 0.22 inH<sub>2</sub>O)

Dimensions: 60 x 60 x 15 mm

Weight: 45 g

Life Expectancy: 100,000 Hours @ 25°C / 60,000 Hours @ 60°C

Noise Level: 34.0 dB(A)

Housing Material: PBT Plastic (UL94V-0)

Impeller Material: PBT Plastic (UL94V-0)

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

Speed Control: Tachometer Output / Sensor Signal

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Protection: Auto Restart / Polarity Protection

Insulation Resistance: 10M  $\Omega$  or over with a DC500V Megger

Dielectric Strength: AC700V 1s

This cooling solution is specifically engineered for integration into industrial automation systems, serving as a critical component for Fanuc CNC machine tools and variable frequency drive inverters. The 2406KL-05W-B59-B00 provides consistent airflow to dissipate heat generated by power electronics, preventing thermal throttling in servo amplifiers and control cabinets. Maintenance professionals frequently utilize the 2406KL-05W-B59-B00 for retrofitting legacy equipment in manufacturing plants, ensuring operational continuity for precision machining centers, robotic controllers, and telecommunication rack systems where compact, high-reliability thermal regulation is mandatory.

## Supplemental Images

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