

# 2410SB-04W-B49-BQ1 NMB-MAT 12VDC 60x60x25mm DC Axial Fan Datasheet



**Brand:** NMB

**SKU:** [987014307214](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$16.99**

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Product Page:

<https://www.equipspares.com/product/2410sb-04w-b49-bq1-nmb-mat-12vdc-60x60x25mm-dc-axial-fan>

## Product Description

The NMB-MAT 2410SB-04W-B49-BQ1 is a precision-engineered DC Axial Fan designed for critical thermal management applications requiring high reliability and consistent airflow. Built upon MinebeaMitsumi's advanced motor technology, this unit features a robust Double Ball Bearing system that significantly reduces friction and enhances longevity under continuous operation. The aerodynamic impeller design optimizes the pressure-to-airflow ratio, ensuring efficient heat dissipation while maintaining a low noise profile. Its structural rigidity and superior thermal impedance characteristics make it an ideal solution for industrial environments where component stability and airflow precision are paramount. The unit is constructed with UL94V-0 rated materials, ensuring compliance with stringent safety standards.

Model Number: 2410SB-04W-B49-BQ1

Brand: NMB-MAT (MinebeaMitsumi)

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 6.0 - 13.8 VDC

Rated Current: 0.14 A

Input Power: 1.68 W

Rated Speed: 4600 RPM

Bearing Type: Double Ball Bearing

Max. Air Flow: 23.3 CFM (0.66 m<sup>3</sup>/min / 39.6 m<sup>3</sup>/h)  
Max. Static Pressure: 5.30 mmH<sub>2</sub>O (52.0 Pa / 0.21 inH<sub>2</sub>O)  
Dimensions: 60 x 60 x 25 mm  
Weight: 56 g  
Life Expectancy: 100,000 Hours (at 25°C / 65% RH)  
Noise Level: 34.0 dBA  
Impeller Material: Plastic (Black) UL94V-0  
Frame Material: Plastic (Black) UL94V-0  
Ingress Protection: IP40 (Standard)  
Insulation Resistance: 10M  $\Omega$  or over with a DC500V Megger  
Dielectric Strength: AC700V 1s  
Operating Temperature: -10°C to +70°C  
Storage Temperature: -40°C to +70°C  
Termination: 3-Wire Lead (Red +, Black -, White Sensor)  
Sensor Output: Tachometer / Pulse Sensor  
Motor Protection: Auto Restart / Polarity Protection  
Mounting Orientation: Any  
Certifications: UL, CSA, TUV, VDE, CE, RoHS

The 2410SB-04W-B49-BQ1 is engineered to meet the rigorous demands of industrial automation and telecommunications infrastructure. Common deployment scenarios include cooling high-density server racks, power supply units, and network switches where sustained airflow is critical for system stability. Additionally, the 2410SB-04W-B49-BQ1 is frequently utilized in medical instrumentation and CNC control panels, providing reliable thermal regulation to prevent component overheating in enclosed chassis environments.

## Supplemental Images

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