

2410ML-05W-B69-BQE NMB 24V DC Axial Fan

SKU: 2410ML-05W-B69-BQE

Price: \$12.50

Categories: Fans

Tags: NMB

Product Link:

<https://www.elecspares.com/product/2410ml-05w-b69-bqe-nmb-24v-dc-axial-fan/>

Product Description

The NMB 2410ML-05W-B69-BQE is a high-performance industrial DC Axial Fan with dimensions of 60 x 60 x 25 mm. Driven by a precision Brushless DC Motor, this 2410ML series model is a specialized power-cooling solution operating on a nominal 24 VDC. It delivers a powerful maximum airflow of 25 CFM (42.5 m³/h) at a rated speed of 5300 RPM. With a rated current of 0.17 A and a power input of 4.08 W, it is specifically engineered to provide high static pressure (0.29 inH₂O), allowing it to drive air effectively through high-resistance industrial components. This specialized -BQE version features a premium dual-ball bearing system and a 7-blade aerodynamic design for extended service life in demanding environments. Equipped with a three-wire termination, the 2410ML-05W-B69-BQE includes an integrated tachometer signal output for real-time speed monitoring, ensuring mission-critical thermal management for power electronics and automation systems.

2410ML-05W-B69-BQE Fan Parameters

Manufacturer: NMB (MinebeaMitsumi)

Model Number: 2410ML-05W-B69-BQE

Motor Design: Brushless DC Motor

Type: DC Axial Fan

Dimensions: 60 x 60 x 25 mm

Impeller Size: 57 mm

Nominal Voltage: 24 VDC

Operating Voltage Range: 10 to 27.6 VDC

Speed: 5300 RPM

Power Input: 4.08 W

Rated Current: 0.17 A

Max. Airflow: 25 CFM (42.5 m³/h)

Max. Static Pressure: 72.2 Pa (0.29 inH₂O)

Noise Level: 36 dB(A)

Weight: 65 g

Termination: 3 Wire Leads (VCC, GND, Tacho)

Bearing Type: Dual Ball Bearing

Housing Material: Plastic (UL 94V-0)

Impeller Material: Plastic (UL 94V-0)

Number of Blades: 7

Direction of Rotation: Clockwise (viewed toward rotor)

Degree of Protection: IP20

Insulation Class: E

Operating Temp. Range: -10 °C to +70 °C

Life Expectancy (L10) at 40 °C: 50,000 h

Signal Output: Tacho signal

Safety Protections: Auto-restart, Polarity protection

Approvals: CE, UL, CSA, TUV, VDE

Application

The 2410ML-05W-B69-BQE is primarily engineered as a high-reliability inverter cooling fan, essential for the thermal regulation of IGBT modules and power conversion circuitry. Within the confined housing of a frequency inverter, this 2410ML-05W-B69-BQE model utilizes its significant 0.29 inH₂O static pressure to effectively drive airflow through dense heat sinks and eliminate hot spots that could lead to thermal throttling or system failure. Beyond its primary role in power electronics, the fan's high-speed 5300 RPM performance and dual-ball bearing architecture make the 2410ML-05W-B69-BQE a preferred choice for CNC spindle drives, industrial servo amplifiers, and medical laboratory equipment. The integrated tacho signal ensures that the 2410ML-05W-B69-BQE provides critical real-time feedback to the host controller, facilitating fail-safe operation in mission-critical 24V industrial automation environments.

Product Images









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