

# 3615KL-05W-B70-EQ1 NMB-MAT 24VDC 92x92x38mm Axial Fan Datasheet



**Brand:** NMB

**SKU:** [964262710043](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$19.99**

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Product Page:

<https://www.equipspares.com/product/3615kl-05w-b70-eq1-nmb-mat-24vdc-92x92x38mm-axial-fan>

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## Product Description

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The NMB-MAT 3615KL-05W-B70-EQ1 is a precision-engineered axial fan designed for critical thermal management in high-density industrial environments. Utilizing advanced Dual Ball Bearing technology, this unit ensures minimal friction and extended operational longevity under continuous high-speed loads. The 92mm frame features an optimized impeller geometry that maximizes static pressure while maintaining structural rigidity, effectively overcoming high thermal impedance in dense enclosures. Operating at a rated 24VDC with a significant current draw of 0.70A, it delivers robust airflow performance suitable for variable frequency drives and server chassis. The construction adheres to strict manufacturing tolerances, utilizing UL94V-0 rated materials to ensure safety and reliability in demanding thermal applications.

Model Number: 3615KL-05W-B70-EQ1

Brand: NMB-MAT (MinebeaMitsumi)

Product Type: Axial Cooling Fan

Rated Voltage: 24VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.70 A

Power Consumption: 16.8 W

Rated Speed: 5800 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 130.0 CFM (220.8 m<sup>3</sup>/h / 3.68 m<sup>3</sup>/min)

Max. Static Pressure: 19.0 mmH<sub>2</sub>O (186.3 Pa / 0.75 inH<sub>2</sub>O)

Dimensions: 92x92x38mm

Weight: 260 g

Life Expectancy: 100,000 Hours @ 25°C

Noise Level: 56.5 dB(A)

Housing Material: PBT Plastic (UL94V-0)

Impeller Material: PBT Plastic (UL94V-0)

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

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP20

Insulation Resistance: 10M Ω min. @ 500VDC

Dielectric Strength: 700VAC for 1 Sec

Motor Protection: Locked Rotor Protection, Reverse Polarity Protection

Mounting Orientation: Any

This high-performance cooling solution is specifically engineered for deployment in variable frequency drive (VFD) inverters and high-density server racks where sustained airflow is paramount. The 3615KL-05W-B70-EQ1 excels in industrial automation cabinets, providing necessary cooling to prevent thermal throttling in sensitive electronic components. Additionally, the 3615KL-05W-B70-EQ1 is utilized in telecommunications equipment and CNC machinery, ensuring operational stability by efficiently dissipating heat generated during continuous duty cycles.

## Supplemental Images

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