

# 3615KL-04W-B76-V09 NMB-MAT 12VDC 92x92x38mm PWM Axial Fan Datasheet



**Brand:** NMB

**SKU:** 988031785795

**Category:** Axial & Centrifugal Fans

**Price:** \$20.99

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Product Page:

<https://www.equipspares.com/product/3615kl-04w-b76-v09-nmb-mat-12vdc-92x92x38mm-pwm-axial-fan>

## Product Description

The NMB-MAT 3615KL-04W-B76-V09 is a high-performance axial cooling solution engineered for demanding thermal management environments requiring substantial airflow and static pressure. This unit utilizes a robust dual ball bearing architecture to ensure operational longevity and rotational stability under high-speed conditions. Designed with a deep 38mm housing, the fan generates significant static pressure, making it ideal for overcoming high thermal impedance in dense server chassis and tightly packed electronic enclosures. The aerodynamic impeller design optimizes airflow efficiency while maintaining structural rigidity under load. Featuring a 4-wire interface with PWM control, it allows for precise speed modulation, effectively balancing cooling performance with power consumption in critical industrial and computing applications.

Model Number: 3615KL-04W-B76-V09

Brand: NMB-MAT (MinebeaMitsumi)

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 1.60 A

Power Consumption: 19.2 W

Rated Speed: 5500 RPM (Nominal)

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: 18.5 mmH<sub>2</sub>O (181.4 Pa / 0.73 inH<sub>2</sub>O)

Dimensions: 92x92x38mm

Weight: 230 g

Life Expectancy: 70,000 Hours at 40°C

Speed Control: PWM (Pulse Width Modulation)

Signal Output: Tachometer (FG)

Termination: 4-Wire Lead

Housing Material: PBT Plastic (UL94V-0)

Impeller Material: PBT Plastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP20

Noise Level: 58.5 dBA

Mounting Orientation: Any

Protection: Locked Rotor Protection, Reverse Polarity Protection

The 3615KL-04W-B76-V09 is specifically calibrated for high-density computing environments, such as rack-mount servers and blade chassis where overcoming system resistance is paramount. Its high static pressure capabilities make it suitable for forcing air through restrictive heatsinks and drive bays in enterprise storage arrays. Additionally, the 3615KL-04W-B76-V09 serves as a critical component in industrial automation equipment, CNC machinery, and telecommunications hardware, ensuring reliable thermal dissipation for sensitive electronic components during continuous operation.

## Supplemental Images

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