

# 3615RL-05W-B76-EQ3 NMB 24VDC 92x92x38mm PWM Axial Fan Datasheet



**Brand:** NMB

**SKU:** [748933465754](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$32.99**

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Product Page:

<https://www.equipspares.com/product/3615rl-05w-b76-eq3-nmb-24vdc-92x92x38mm-pwm-axial-fan>

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## Product Description

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The NMB 3615RL-05W-B76-EQ3 is a high-static pressure DC axial fan engineered by MinebeaMitsumi (NMB-MAT) for critical thermal management in industrial electronics. Designed with a robust 92mm frame and advanced aerodynamic impeller geometry, this unit delivers exceptional airflow relative to its footprint, driven by a powerful DC motor architecture. The fan utilizes a precision dual ball bearing system to ensure long-term reliability and structural rigidity under continuous high-speed operation. With a significant power rating of 35.28W, it is specifically optimized for high-impedance applications where overcoming system resistance is paramount. The integration of 4-wire PWM speed control allows for dynamic thermal regulation, minimizing acoustic noise while maximizing cooling efficiency during peak load conditions.

Model Number: 3615RL-05W-B76-EQ3

Brand: NMB-MAT (MinebeaMitsumi)

Product Type: DC Axial Fan

Rated Voltage: 24VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 1.47 A

Power Consumption: 35.28 W

Dimensions: 92 x 92 x 38 mm

Bearing Type: Dual Ball Bearing

Speed Control: PWM (Pulse Width Modulation)

Termination: 4-Wire Lead

Max. Air Flow: 130.0 CFM (Approx. based on current class)

Max. Static Pressure: 24.5 mmH<sub>2</sub>O (Approx. high-pressure profile)

Housing Material: PBT (UL94V-0)

Impeller Material: PBT (UL94V-0)

Operating Temperature: -10°C to +70°C

Life Expectancy: 70,000 Hours @ 40°C

Motor Protection: Locked Rotor Protection, Reverse Polarity Protection

Mounting Orientation: Any

Application: Frequency Inverters, Server Cooling

The 3615RL-05W-B76-EQ3 is primarily deployed in high-density industrial environments requiring aggressive heat dissipation, such as variable frequency drives (VFDs) and heavy-duty power inverters. Its compact yet powerful form factor makes the 3615RL-05W-B76-EQ3 ideal for server rack enclosures, telecommunications equipment, and CNC machinery where internal space is limited but thermal loads are substantial. The PWM functionality ensures the fan integrates seamlessly into smart control systems for automated climate regulation.

## Supplemental Images

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