

3615RL-05W-B46-EQ1 NMB 24VDC 92x92x38mm 4-Wire Axial Fan Datasheet



Brand: NMB

SKU: 989998220756

Category: Axial & Centrifugal Fans

Price: **\$18.99**

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Product Page:

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Product Description

The NMB 3615RL-05W-B46-EQ1 is a precision-engineered DC axial fan designed for critical thermal management in high-density industrial environments. Utilizing advanced aerodynamic blade geometry housed within a reinforced 92mm frame, this unit optimizes airflow delivery while maintaining structural rigidity under high static pressure conditions. The motor assembly features a robust double ball bearing architecture, ensuring reduced friction and extended operational longevity even under continuous load. Engineered with a 4-wire interface, supporting PWM speed control and tachometer signal output, the 3615RL-05W-B46-EQ1 provides dynamic thermal regulation, effectively lowering thermal impedance in sensitive electronic enclosures and inverter systems.

Model Number: 3615RL-05W-B46-EQ1

Brand: NMB-MAT (MinebeaMitsumi)

Product Type: DC Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.73 A

Input Power: 17.52 W

Rated Speed: 5000 RPM (Nominal)

Bearing Type: Dual Ball Bearing

Max. Air Flow: 110.0 CFM (186.9 m³/h / 3.11 m³/min)

Max. Static Pressure: 14.5 mmH₂O (142.2 Pa / 0.57 inH₂O)

Dimensions: 92 x 92 x 38 mm

Weight: 260 g

Life Expectancy: 100,000 Hours at 25°C

Termination: 4-Wire Leads

Speed Control: PWM / Tachometer Output

Housing Material: Plastic (UL94V-0)

Impeller Material: Plastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Dielectric Strength: 50/60 Hz, 500 VAC, 1 Minute

Insulation Resistance: 10 MΩ or over with a DC500V Megger

Motor Protection: Locked Rotor Protection, Reverse Polarity Protection

This high-performance cooling solution is specifically calibrated for demanding industrial applications, including variable frequency drive (VFD) inverters and high-density server racks. The 3615RL-05W-B46-EQ1 excels in environments requiring substantial static pressure to overcome resistance from heatsinks and tightly packed components. Telecommunications equipment and precision medical devices also benefit from the reliable thermal dissipation provided by the 3615RL-05W-B46-EQ1, ensuring continuous operation and preventing thermal throttling in mission-critical hardware.

Supplemental Images

