

3115RL-05W-B60-ER2 NMB 24VDC 80x80x38mm Axial Fan Datasheet



Brand: NMB

SKU: [904615669084](#)

Category: Axial & Centrifugal Fans

Price: **\$17.99**

E-mail: sales@equipspares.com

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Product Page:

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Product Description

The NMB 3115RL-05W-B60-ER2 is a high-static pressure DC axial fan engineered for demanding industrial cooling applications. Manufactured by MinebeaMitsumi (NMB-MAT), this unit features a robust 80mm frame with a 38mm depth, specifically designed to overcome high system impedance in densely packed electronic enclosures. The fan utilizes advanced dual ball bearing architecture, ensuring exceptional longevity and rotational stability under continuous operation. Its aerodynamic impeller design optimizes airflow efficiency while maintaining structural rigidity, effectively managing thermal loads in power electronics. The unit offers a high performance-to-size ratio, delivering significant static pressure required for forcing air through restrictive heatsinks and filters.

Model Number: 3115RL-05W-B60-ER2

Brand: NMB-MAT (MinebeaMitsumi)

Product Type: DC Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.50 A

Power Consumption: 12.0 W

Rated Speed: 4200 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 62.23 CFM (105.7 m³/h / 1.76 m³/min)

Max. Static Pressure: 9.81 mmH₂O (96.24 Pa / 0.39 inH₂O)

Dimensions: 80 x 80 x 38 mm

Weight: 260 g

Life Expectancy: 100,000 Hours at 25°C

Noise Level: 46.0 dB(A)

Housing Material: Plastic (UL94V-0)

Impeller Material: 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

Protection: Locked Rotor Protection, Reverse Polarity Protection

Mounting Orientation: Any

The 3115RL-05W-B60-ER2 is widely deployed in industrial automation sectors, serving as a primary cooling solution for Schneider frequency inverters and variable frequency drives (VFDs). Its high static pressure capabilities make it particularly suitable for cooling server racks, telecommunications equipment, and CNC control cabinets where airflow is restricted by dense component layouts. Additionally, the 3115RL-05W-B60-ER2 is utilized in medical instrumentation and power supply units, ensuring reliable thermal regulation to prevent overheating in critical infrastructure.

Supplemental Images

