

3115RL-04W-B96-EQ1 NMB 12VDC 80x80x38mm 3.00A Axial Fan Datasheet



Brand: NMB

SKU: [947782371084](#)

Category: Axial & Centrifugal Fans

Price: **\$18.99**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/3115rl-04w-b96-eq1-nmb-12vdc-80x80x38mm-3-00a-axial-fan>

Product Description

The NMB 3115RL-04W-B96-EQ1 is a high-performance DC axial fan engineered for critical thermal management in high-density electronic enclosures and industrial machinery. Featuring a robust dual ball bearing architecture, this unit ensures long-term operational stability and reduced friction under continuous high-speed loads. The aerodynamic impeller design is optimized to overcome significant system impedance, delivering exceptional static pressure and airflow required for tightly packed components. With a substantial power rating of 36W, it utilizes Pulse Width Modulation (PWM) for precise speed regulation, allowing the system to balance thermal dissipation with acoustic performance dynamically. The structural rigidity of the 80mm frame minimizes vibration, making it ideal for industrial inverters and server applications requiring reliable forced convection cooling.

Model Number: 3115RL-04W-B96-EQ1

Brand: NMB-MAT (MinebeaMitsumi)

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 3.00 A

Power Input: 36.00 W

Dimensions: 80 x 80 x 38 mm

Bearing Type: Dual Ball Bearing

Max. Air Flow: 134.20 CFM (227.9 m³/h / 3.80 m³/min)
Max. Static Pressure: 38.50 mmH₂O (377.6 Pa / 1.52 inH₂O)
Rated Speed: 9500 RPM
Speed Control: PWM (Pulse Width Modulation)
Signal Output: Tachometer (RPM Sensor)
Wire Configuration: 4-Wire
Termination: Lead Wires
Housing Material: PBT Plastic (UL94V-0)
Impeller Material: PBT Plastic (UL94V-0)
Operating Temperature: -10°C to +70°C
Life Expectancy: 70,000 Hours at 40°C
Ingress Protection: IP20
Noise Level: 64.5 dB(A)
Direction of Rotation: Clockwise (viewed from label side)
Mounting Orientation: Any

Designed for high-impedance environments, the 3115RL-04W-B96-EQ1 excels in cooling industrial frequency inverters and high-density server racks where backpressure is a significant factor. The robust construction allows the 3115RL-04W-B96-EQ1 to operate reliably in telecommunications equipment, power supply units, and precision medical devices, ensuring critical components remain within safe thermal operating limits during continuous duty cycles.

Supplemental Images

