# 3115RL-05W-B86-EQ1 NMB-MAT 24VDC 80x80x38mm Axial Fan Datasheet


**Brand:** NMB

**SKU:** 846921839309

**Category:** Axial & Centrifugal Fans

**Price:** **$17.99**

**E-mail:** sales@equipspares.com

**Web:** https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/3115rl-05w-b86-eq1-nmb-mat-24vdc-80x80x38mm-axial-fan

## Product Description

The NMB-MAT 3115RL-05W-B86-EQ1 is a high-performance DC Axial Fan engineered for critical thermal management in dense industrial applications. Featuring NMB's precision dual ball bearing architecture, this unit is designed to withstand continuous operation under high mechanical stress while minimizing frictional wear. The aerodynamic impeller geometry is optimized to deliver exceptional static pressure, making it ideal for overcoming high thermal impedance in tightly packed enclosures. With a robust 24VDC motor system drawing 1.10A, the fan provides substantial airflow throughput to maintain component stability. The structural rigidity of the frame ensures vibration dampening and reliability, essential for maintaining operational integrity in variable frequency drives and power conversion systems.

Model Number: 3115RL-05W-B86-EQ1
Brand: NMB-MAT
Product Type: DC Axial Fan
Rated Voltage: 24 VDC
Voltage Range: 14.0 - 27.6 VDC
Rated Current: 1.10 A
Input Power: 26.4 W
Rated Speed: 6500 RPM
Bearing Type: Dual Ball Bearing

Max. Air Flow: 88.0 CFM (149.5 $m^3/h$ / 2.49 $m^3/min$)
Max. Static Pressure: 23.5 $mmH_2O$ (230 Pa / 0.92 $inH_2O$)
Dimensions: 80 x 80 x 38 mm
Weight: 260 g
Life Expectancy: 100,000 Hours at 25°C
Housing Material: PBT Plastic (UL94V-0)
Impeller Material: PBT Plastic (UL94V-0)
Noise Level: 61.0 dB(A)
Termination: Lead Wires
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Ingress Protection: IP20
Motor Protection: Locked Rotor Protection, Reverse Polarity
Speed Control: EQ1 Signal (Sensor/PWM)
Mounting Orientation: Any

The 3115RL-05W-B86-EQ1 is specifically utilized in high-demand industrial sectors requiring aggressive heat dissipation. It is frequently integrated into variable frequency drive (VFD) inverters and heavy-duty power supply units where internal temperatures escalate rapidly. Additionally, the 3115RL-05W-B86-EQ1 is suitable for server rack cooling solutions, telecommunication base stations, and CNC control cabinets, ensuring that sensitive power electronics operate within safe thermal boundaries to prevent thermal throttling or failure.

## Supplemental Images