

3615RL-05W-B30-EQ3 NMB 24V 0.53A 92mm DC Axial Fan

SKU: 3615RL-05W-B30-EQ3

Price: \$23.75

Categories: Fans

Tags: NMB

Product Link:

<https://www.electspares.com/product/3615rl-05w-b30-eq3-nmb-24v-0-53a-92mm-dc-axial-fan/>

Product Description

The NMB 3615RL-05W-B30-EQ3 is a high-performance 24 V industrial axial fan with dimensions of 92 x 92 x 38 mm, purpose-built to deliver elite-level thermal cooling in high-resistance airflow paths. This unit features a heavy-duty brushless DC motor capable of sustaining a 12.72 W power input to drive its specialized 7-blade impeller at a consistent 3150 RPM. Engineered specifically for high-torque air displacement in mission-critical hardware, it utilizes a 38 mm deep housing to overcome massive backpressure in densely packed enclosures. The mechanical design relies on a precision-shielded dual ball bearing system and a fiberglass-reinforced PBT housing to ensure 50,000 hours of continuous operation at a 25 °C ambient temperature. Featuring a simplified 2-wire electrical interface for direct power connection, this fan is a critical component for industrial power supplies, telecommunications racks, and medical diagnostic equipment where long-term reliability and high-velocity cooling are mandatory.

3615RL-05W-B30-EQ3 Fan Parameters

Manufacturer: NMB-MAT (MinebeaMitsumi)

Model Number: 3615RL-05W-B30-EQ3

Series: 3615RL Series

Industry Size Code: 9238

Type: DC Axial Fan

Bearing Type: Dual Ball Bearing

Nominal Voltage: 24 VDC

Voltage Range: 14.0 - 27.6 VDC

Starting Voltage: 14.0 VDC

Dimensions: 92 x 92 x 38 mm

Weight: 210 g

[Electrical Data]

Input Power: 12.72 W

Nominal Current: 0.53 A

Max. Current: 0.75 A (Peak during startup)

Nominal Speed: 3150 RPM (Tolerance $\pm 10\%$)

Motor Design: Brushless DC Motor

Signal Output: None (2-Wire configuration)

Motor Protection: Auto Restart, Polarity Protection, Locked Rotor Protection

Insulation Class: Class E

Insulation Resistance: >10M ohm at 500 VDC

Dielectric Strength: 700 VAC for 1 minute

Termination: 2-Lead wires (UL1007, AWG 24, Red/Black)

[Performance & Acoustics]

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)

Sound Pressure Level: 46.5 dB(A) (Measured at 1 meter)

Number of Blades: 7

Direction of Rotation: Clockwise (viewed toward rotor)

Airflow Direction: Intake over struts

[Materials & Construction]

Frame Material: Plastic (PBT reinforced with 30% glass fiber, UL94V-0)

Impeller Material: Plastic (PBT reinforced with 15% glass fiber, UL94V-0)

Installation Position: Any

Degree of Protection: IP20

[Reliability & Safety Standards]

Min. Ambient Temperature: -10 °C

Max. Ambient Temperature: 70 °C

Storage Temperature: -40 °C - 70 °C

Life Expectancy (L10): 50,000 hours at 25 °C

Standard Compliance: UL 507, CSA C22.2, EN 60950-1

Approval Agency: UL, CUL, TUV, CE, RoHS

Application

The NMB 3615RL-05W-B30-EQ3 axial fan is used in industrial power supplies, telecommunications enclosures, medical diagnostic equipment, server storage arrays, and automated control cabinets.

Product Images



Scan for product details:



