

4715VL-07W-B86-E51 NMB 48VDC 120x38mm PWM Axial Fan Datasheet



Brand: NMB

SKU: 988590110477

Category: Axial & Centrifugal Fans

Price: **\$11.99**

E-mail: sales@equipspares.com

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Product Page:

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Product Description

The NMB 4715VL-07W-B86-E51 is a specialized Axial Fan engineered for critical thermal management in high-impedance industrial environments. Utilizing advanced DC motor technology paired with a precision dual ball bearing architecture, this unit ensures operational longevity and reduced frictional wear under continuous heavy loads. The aerodynamic impeller design optimizes airflow delivery while maintaining structural rigidity, effectively lowering thermal impedance in high-density enclosures. Featuring Pulse Width Modulation (PWM) signal integration, it allows for dynamic speed regulation, balancing cooling efficiency with power consumption. The housing is constructed from flame-retardant materials, ensuring safety and compliance in demanding electrical installations.

Model Number: 4715VL-07W-B86-E51

Brand: NMB Technologies (MinebeaMitsumi)

Product Type: DC Axial Fan

Rated Voltage: 48 VDC

Voltage Range: 38.0 - 56.0 VDC

Rated Current: 0.90 A

Power Consumption: 43.2 W

Rated Speed: 5600 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 210.0 CFM (356.8 m³/h / 5.94 m³/min)

Max. Static Pressure: 24.5 mmH₂O (240.2 Pa / 0.96 inH₂O)

Dimensions: 120 x 120 x 38 mm

Weight: 370 g

Life Expectancy: 70,000 Hours at 40°C

Speed Control: PWM (Pulse Width Modulation)

Termination: 4-Wire Lead (Red +, Black -, Yellow Sensor, Blue Control)

Housing Material: Plastic (UL94V-0)

Impeller Material: Plastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Noise Level: 62.0 dBA

Protection: Locked Rotor Protection, Reverse Polarity Protection

Insulation Resistance: 10M Ohm min. at 500VDC

Dielectric Strength: 700VAC for 1 second

Application: Frequency Inverters, Server Cabinets, Telecom Rectifiers

Designed for rigorous industrial applications, the 4715VL-07W-B86-E51 excels in cooling high-power frequency inverters and telecommunication rectifiers where heat dissipation is paramount. Its robust pressure profile makes it ideal for dense server racks and CNC machinery control panels, ensuring components remain within safe thermal limits. The 4715VL-07W-B86-E51 provides reliable airflow for automation equipment, preventing thermal throttling in mission-critical hardware.

Supplemental Images

