

08025DA-48Q-AW-01 NMB 48VDC 80x80x25mm PWM Axial Fan Datasheet



Brand: NMB

SKU: [960671437760](#)

Category: Axial & Centrifugal Fans

Price: **\$17.99**

E-mail: sales@equipspares.com

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Product Description

The NMB 08025DA-48Q-AW-01 is a precision-engineered DC Axial Fan designed by MinebeaMitsumi to address critical thermal management requirements in high-density industrial environments. Utilizing advanced DC brushless motor technology paired with NMB's proprietary dual ball bearing architecture, this unit ensures exceptional rotational stability and minimized friction coefficients, significantly extending operational service life. The aerodynamic impeller geometry is optimized to deliver a superior P-Q performance curve, balancing high airflow with substantial static pressure to overcome system impedance. Constructed with high-grade UL94V-0 thermoplastic, the frame offers robust structural rigidity, making it an ideal solution for continuous duty applications requiring reliable heat dissipation and precise thermal regulation.

Model Number: 08025DA-48Q-AW-01

Brand: NMB-MAT (MinebeaMitsumi)

Product Type: DC Axial Fan

Rated Voltage: 48 VDC

Voltage Range: 28.0 - 55.2 VDC

Rated Current: 0.35 A

Input Power: 16.8 W

Rated Speed: 4800 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 62.23 CFM (105.7 m³/h)
Max. Static Pressure: 9.81 mmH₂O (96.24 Pa / 0.39 inH₂O)
Dimensions: 80 x 80 x 25 mm
Weight: 95 g
Life Expectancy: 70,000 Hours @ 40°C
Termination: 4-Wire Lead
Control Interface: PWM Speed Control
Sensor Output: Tachometer Signal
Housing Material: PBT Plastic (UL94V-0)
Impeller Material: PBT Plastic (UL94V-0)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Noise Level: 44.5 dB(A)
Mounting Orientation: Any
Protection: Locked Rotor Protection, Reverse Polarity

This cooling solution is specifically engineered for demanding industrial and IT infrastructure, including rack-mounted server chassis, variable frequency drives (VFDs), and high-power inverters. The 08025DA-48Q-AW-01 excels in environments where consistent airflow is necessary to prevent thermal throttling in sensitive electronic components. Additionally, the 08025DA-48Q-AW-01 is frequently utilized in telecommunications equipment and precision automation systems, where its 4-wire control interface allows for dynamic speed adjustment based on real-time thermal loads.

Supplemental Images

