

08025SA-24R-BL-D7 NMB 24VDC 80x80x25mm Axial Fan Datasheet



Brand: NMB

SKU: [922416879575](#)

Category: Axial & Centrifugal Fans

Price: **\$25.99**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/08025sa-24r-bl-d7-nmb-24vdc-80x80x25mm-axial-fan>

Product Description

The NMB 08025SA-24R-BL-D7 is a precision-engineered Axial Fan designed for critical thermal management in industrial environments. Manufactured by MinebeaMitsumi, this unit utilizes advanced DC motor technology paired with a dual ball bearing architecture to ensure minimal friction and extended operational lifespan under continuous load. The aerodynamic impeller design optimizes airflow while maintaining structural rigidity, effectively reducing thermal impedance in high-density electronic enclosures. Its robust construction meets rigorous standards for vibration resistance and reliability, making it suitable for demanding cooling applications requiring consistent static pressure and volumetric efficiency.

Model Number: 08025SA-24R-BL-D7

Brand: NMB (NMB-MAT)

Product Type: Axial Fan

Rated Voltage: 24VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.22 A

Power Input: 5.28 W

Rated Speed: 3400 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 42.4 CFM (72.0 m³/h / 1.20 m³/min)

Max. Static Pressure: 5.6 mmH₂O (54.9 Pa / 0.22 inH₂O)

Dimensions: 80 x 80 x 25 mm

Weight: 95 g

Life Expectancy: 100,000 Hours (at 25°C)

Noise Level: 34.0 dB(A)

Housing Material: PBT Plastic (UL94V-0)

Impeller Material: PBT Plastic (UL94V-0)

Termination: 3-Wire Lead

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Sensor Type: Locked Rotor Sensor (D7 Signal)

Motor Protection: Auto Restart / Polarity Protection

Insulation Resistance: 10M Ohm at 500VDC

Dielectric Strength: 700VAC for 1 second

This cooling solution is engineered for integration into complex electronic systems where reliability is paramount. The 08025SA-24R-BL-D7 is frequently deployed in server rack ventilation systems, telecommunications base stations, and industrial automation control panels. Its compact form factor allows the 08025SA-24R-BL-D7 to fit seamlessly into power supply units and medical instrumentation, ensuring optimal operating temperatures are maintained to prevent component degradation in continuous-duty cycles.

Supplemental Images

