08025SA-24Q-AM-D1 NMB 24VDC 80x80x25mm PWM Axial Fan Datasheet

Brand: NMB

SKU: 836155666686

Category: Axial & Centrifugal Fans

Price: **$16.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/08025sa-24q-am-d1-nmb-24vdc-80x80x25mm-pwm-axial-fan

Product Description

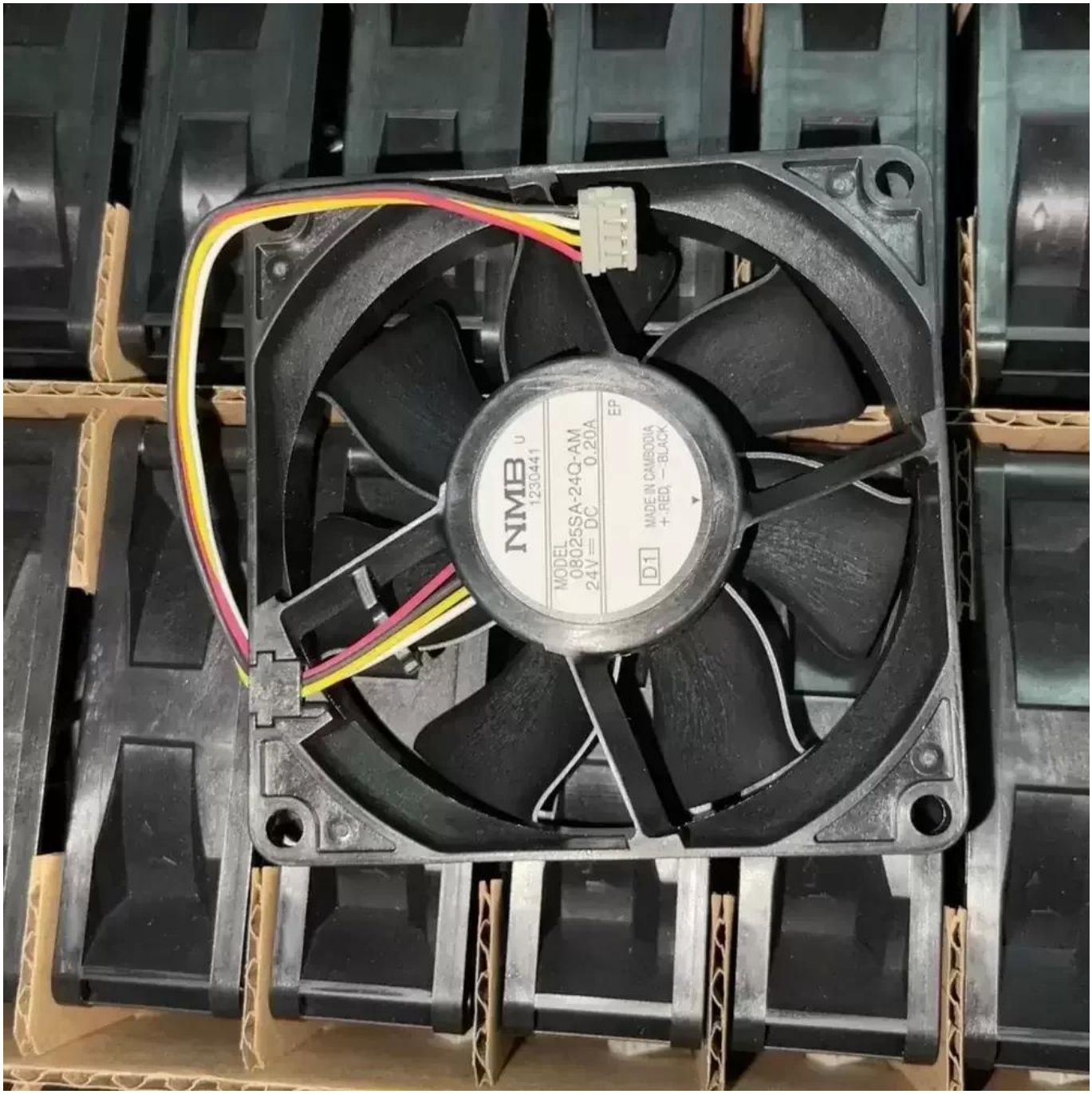
The NMB 08025SA-24Q-AM-D1 is a precision-engineered DC axial fan designed for critical thermal management applications requiring high reliability and efficient airflow. Utilizing NMB's advanced MinebeaMitsumi motor technology and dual ball bearing architecture, this unit ensures minimal friction and extended operational lifespan under continuous load. The aerodynamic impeller design optimizes static pressure capabilities while maintaining low acoustic noise levels, effectively reducing thermal impedance within high-density enclosures. Constructed with a reinforced frame for structural rigidity, it supports Pulse Width Modulation (PWM) for dynamic speed control, allowing for precise thermal regulation based on system demand.

Model Number: 08025SA-24Q-AM-D1
Brand: NMB (MinebeaMitsumi)
Product Type: DC Axial Fan
Rated Voltage: 24 VDC
Voltage Range: 14.0 - 27.6 VDC
Rated Current: 0.20 A
Input Power: 4.80 W
Rated Speed: 4500 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 53.0 CFM (90.0 m^3/h / 1.50 m^3/min)

Max. Static Pressure: 6.86 mmH_2O (67.2 Pa / 0.27 inH_2O)
Dimensions: 80 x 80 x 25 mm
Weight: 95 g
Life Expectancy: 100,000 Hours at 25°C
Speed Control: PWM (Pulse Width Modulation)
Termination: 4-Wire Lead
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: 40.0 dB(A)
Ingress Protection: IP40
Insulation Resistance: 10M Ohm Min. at 500VDC
Dielectric Strength: 700VAC for 1 Second
Motor Protection: Locked Rotor Protection, Reverse Polarity Protection

This cooling solution is specifically engineered for industrial automation and electronics cooling, finding frequent deployment in variable frequency drives (inverters) and high-performance printer systems. The 08025SA-24Q-AM-D1 excels in maintaining optimal operating temperatures within server chassis and telecommunication racks where consistent airflow is paramount. Additionally, the 08025SA-24Q-AM-D1 is suitable for precision medical instrumentation and power supply units, ensuring component longevity by preventing thermal saturation in enclosed spaces.

Supplemental Images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MODEL
08025SA-24Q-AM
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D1
MADE IN CAMBODIA
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