

# 08025SS-12N-AU-D3 NMB 12VDC 0.21A 80x80x25mm Axial Fan Datasheet



**Brand:** NMB

**SKU:** [842263877152](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$17.99**

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Product Page:

<https://www.equipspares.com/product/08025ss-12n-au-d3-nmb-12vdc-0-21a-80x80x25mm-axial-fan>

## Product Description

The NMB 08025SS-12N-AU-D3 is a precision-engineered DC Axial Fan designed for critical thermal management in high-density electronic environments. Leveraging NMB's proprietary bearing architecture and advanced motor technology, this unit ensures exceptional rotational stability and longevity under continuous operation. The aerodynamic impeller profile is optimized to maximize airflow while maintaining substantial static pressure, effectively overcoming thermal impedance in restrictive chassis and heatsink assemblies. Constructed with high-grade thermoplastic for structural rigidity, the fan integrates 4-wire PWM control, allowing for dynamic speed modulation and precise acoustic management in sensitive industrial applications.

Model Number: 08025SS-12N-AU-D3

Brand: NMB (MinebeaMitsumi)

Product Type: DC Axial Fan

Rated Voltage: 12V DC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 0.21 A

Power Consumption: 2.52 W

Rated Speed: 3400 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 42.0 CFM (71.36 m<sup>3</sup>/h / 1.19 m<sup>3</sup>/min)

Max. Static Pressure: 4.2 mmH<sub>2</sub>O (41.19 Pa / 0.165 inH<sub>2</sub>O)

Dimensions: 80 x 80 x 25 mm

Weight: 95 g

Life Expectancy: 70,000 Hours at 40°C

Termination: 4-Wire (PWM Speed Control / Tachometer Output)

Wire Assignment: Red (+), Black (-), Yellow (Sensor), Blue (PWM)

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: 34.0 dB(A)

Ingress Protection: IP20

Safety Certifications: UL, CSA, TUV, CE

The 08025SS-12N-AU-D3 is widely utilized in mission-critical hardware such as server cooling modules, network switchgear, and industrial automation control panels. Its precise PWM regulation makes the 08025SS-12N-AU-D3 particularly suitable for medical instrumentation and CNC machinery where balancing thermal dissipation with acoustic performance is essential for operational standards.

## Supplemental Images

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