

# 08025SA-12N-EA-D1 NMB 12V 0.18A 80x80x25mm DC Axial Fan

**SKU:** 08025SA-12N-EA-D1

**Price:** \$19.04

**Categories:** Fans

**Tags:** NMB

**Product Link:**

<https://www.electspares.com/product/08025sa-12n-ea-d1-nmb-12v-0-18a-80x80x25mm-dc-axial-fan/>

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## Product Description

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The NMB 08025SA-12N-EA-D1 is a high-performance 12VDC DC Axial Fan with dimensions of 80 x 80 x 25 mm, specifically engineered for mission-critical cooling in Industrial Frequency Converters and specialized power electronics. Driven by a high-torque brushless motor with precision dual ball bearings, this 80.0 g unit operates within a 7.0 - 13.8 VDC range, delivering a Max. Power Consumption of 2.16 W and a Max. Current Draw of 0.18 A at a rated speed of 3100 RPM. This High-performance unit features a 7-blade aerodynamic impeller designed for maximum static pressure, achieving a Max. Air Flow of 70.0 m<sup>3</sup>/h (41.2 CFM / 1.17 m<sup>3</sup>/min) and a Max. Static Pressure of 3.82 mmH<sub>2</sub>O (37.50 Pa / 0.15 inAq). Featuring a maintenance-free structure and integrated motor protection, this IP54-rated fan is optimized for environments requiring high-pressure stability and long-term reliability in industrial VFD and power electronics systems at the end.

08025SA-12N-EA-D1 Fan Parameters

Model Number: 08025SA-12N-EA-D1

Manufacturer: NMB Technologies Corporation

Type: DC Axial Fan

Impeller Size: 80 mm

Dimensions: 80 x 80 x 25 mm

Weight: 80.0 g

Bearing Type: Dual ball bearing

Nominal Voltage: 12 VDC

Voltage Range: 7.0 - 13.8 VDC

Max. Current Draw: 0.18 A

Max. Power Consumption: 2.16 W

Rated Speed: 3100 RPM

Max. Air Flow: 41.2 CFM (70.0 m<sup>3</sup>/h / 1.17 m<sup>3</sup>/min)

Max. Static Pressure: 3.82 mmH<sub>2</sub>O (37.50 Pa / 0.15 inAq)

Working Air Flow: 70.0 m<sup>3</sup>/h

Static Pressure Increase: 37.50 Pa

Motor Protection: Polarity and locked-rotor protection; Auto-restart

Insulation Class: Class E

Degree of Protection: IP54

Electrical Hookup: 2-Wires (Lead wires, AWG#24)

Number of Blades: 7

Direction of Rotation: Clockwise (viewed toward rotor)

Impeller Material: Thermoplastic PBT (UL 94V-0)

Frame Material: Thermoplastic PBT (UL 94V-0)

Sound Pressure Level: 30.0 dB(A)

Service Life: 70,000 h (at 40 °C)

Operating Temperature: -10 - +70 °C

Standard Compliance: CE; UL; CSA; VDE

#### Application

The NMB 08025SA-12N-EA-D1 axial fan is the primary cooling component for industrial frequency converters, communication equipment, and high-density power modules requiring efficient airflow and high-pressure stability in 12VDC environments.

## Product Images

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