

# 08015SS-12N-AA-00 NMB 24V 0.28A 8015 80mm DC Axial Fan

**SKU:** 08015SS-12N-AA-00

**Price:** \$16.99

**Categories:** Fans

**Tags:** NMB

**Product Link:**

<https://www.electspares.com/product/08015ss-12n-aa-00-nmb-24v-0-28a-8015-80mm-dc-axial-fan/>

---

## Product Description

---

The NMB 08015SS-12N-AA-00 is a high-performance 24 V industrial axial fan with dimensions of 80 x 80 x 15 mm, purpose-built to deliver elite-level thermal cooling in high-resistance airflow paths. This unit features a heavy-duty brushless DC motor capable of sustaining a 6.72 W power input to drive its specialized 11-blade high-pressure impeller at a consistent 4200 RPM. Engineered specifically for air displacement in slim-profile enclosures with high component density, it utilizes a 15 mm ultra-thin housing to provide effective cooling where standard 25 mm fans cannot fit. The mechanical design relies on a precision-shielded sleeve bearing system and a fiberglass-reinforced PBT housing to ensure continuous operation in demanding environments. Featuring a simplified 2-wire electrical interface for direct power connection, this fan is a critical component for industrial power supplies, compact server modules, and high-wattage electronic products where space-saving design and high-velocity cooling are mandatory.

08015SS-12N-AA-00 Fan Parameters

Manufacturer: NMB-MAT (MinebeaMitsumi)

Model Number: 08015SS-12N-AA-00

Series: 08015SS Series

Industry Size Code: 8015

Type: DC Axial Fan

Bearing Type: Sleeve Bearing

Nominal Voltage: 24 VDC

Voltage Range: 14.0 - 27.6 VDC

Starting Voltage: 14.0 VDC

Dimensions: 80 x 80 x 15 mm

Weight: 55 g

[Electrical Data]

Input Power: 6.72 W

Nominal Current: 0.28 A

Max. Current: 0.42 A (Peak startup current)

Nominal Speed: 4200 RPM (Tolerance  $\pm 10\%$ )

Motor Design: Brushless DC Motor

Signal Output: None (2-Wire configuration)

Motor Protection: Auto Restart, Polarity Protection

Insulation Class: Class E

Insulation Resistance: >10M ohm at 500 VDC

Dielectric Strength: 700 VAC for 1 minute

Termination: 2-Lead wires (UL1007, AWG 26, Red/Black)

[Performance & Acoustics]

Max. Air Flow: 38.5 CFM (65.4 m<sup>3</sup>/h / 1.09 m<sup>3</sup>/min)

Max. Static Pressure: 5.42 mmH<sub>2</sub>O (53.2 Pa / 0.21 inH<sub>2</sub>O)

Sound Pressure Level: 39.5 dB(A) (Measured at 1 meter)

Number of Blades: 11

Direction of Rotation: Clockwise (viewed toward rotor)

Airflow Direction: Intake over struts

[Materials & Construction]

Frame Material: Plastic (PBT reinforced with 30% glass fiber, UL94V-0)

Impeller Material: Plastic (PBT reinforced with 15% glass fiber, UL94V-0)

Installation Position: Any

Degree of Protection: IP20

[Reliability & Safety Standards]

Min. Ambient Temperature: -10 °C

Max. Ambient Temperature: 70 °C

Storage Temperature: -40 °C - 70 °C

Life Expectancy (L10): 30,000 hours at 25 °C

Standard Compliance: UL 507, CSA C22.2, EN 60950-1

Approval Agency: UL, CUL, TUV, CE, RoHS

Application

The NMB 08015SS-12N-AA-00 axial fan is used in compact power supply units, industrial LED drivers, networking switches, slimline server chassis, and high-density electronic cooling systems.

## Product Images



Scan for product details:



