

# 08015SS-12P-BA-YY NMB 12V 0.36A 80x80x15mm DC Axial Fan

**SKU:** 08015SS-12P-BA-YY

**Price:** \$21.75

**Categories:** Fans

**Tags:** NMB

**Product Link:**

<https://www.elecspares.com/product/08015ss-12p-ba-yy-nmb-12v-0-36a-80x80x15mm-dc-axial-fan/>

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## Product Description

The NMB 08015SS-12P-BA-YY is a high-performance 12 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 4.32 W power input to drive its specialized 11-blade high-pressure impeller at a consistent 4500 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-12P-BA-YY Fan Parameters

Manufacturer: NMB-MAT (MinebeaMitsumi)

Model Number: 08015SS-12P-BA-YY

Series: 08015SS Series

Industry Size Code: 8015

Type: DC Axial Fan

Bearing Type: Sleeve Bearing (High-Precision SS Series)

Nominal Voltage: 12 VDC

Voltage Range: 10.2 - 13.8 VDC

Starting Voltage: 7.0 VDC

Dimensions: 80.0 x 80.0 x 15.0 mm

Weight: 58 g

[Electrical Data]

Input Power: 4.32 W

Nominal Current: 0.36 A

Max. Current: 0.54 A (Peak startup current)

Nominal Speed: 4500 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 24, Red/Black)

[Performance & Acoustics]

Max. Air Flow: 42.4 CFM (72.0  $m^3/h$  / 1.20  $m^3/min$ )

Max. Static Pressure: 5.61 mmH<sub>2</sub>O (55.0 Pa / 0.22 inH<sub>2</sub>O)

Sound Pressure Level: 41.5 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, RoHS

Approval Agency: UL, CUL, TUV, CE

Application

The NMB 08015SS-12P-BA-YY axial fan is used in industrial power supplies, compact server modules, telecommunications networking equipment, high-wattage LED drivers, and medical diagnostic hardware.

## Product Images

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