

# 09225SS-24P-AL-01 NMB 24VDC 92x92x25mm Axial Fan Datasheet



**Brand:** NMB

**SKU:** [802113760573](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$21.99**

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**E-mail:** [sales@equipspares.com](mailto:sales@equipspares.com)

**Web:** <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/09225ss-24p-al-01-nmb-24vdc-92x92x25mm-axial-fan>

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## Product Description

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NMB 09225SS-24P-AL-01 is a 24VDC 92x25mm Axial Fan optimized for thermal stabilization in noise-sensitive industrial enclosures. The integrated hydraulic bearing system utilizes a sealed lubricant film to prevent grease migration under 24/7 thermal stress, ensuring the 0.20A current draw remains consistent over the component's lifecycle. By maintaining a stable 4.8W power profile, this 92x25mm 24VDC Axial Fan mitigates localized hotspots without introducing significant acoustic resonance. The magnetic levitation architecture reduces physical contact between the shaft and sleeve, allowing the 09225SS-24P-AL-01 Axial Fan to sustain high rotational speeds while minimizing mechanical wear. This specific 3-wire configuration provides real-time tachometer feedback, enabling precise monitoring of cooling efficiency in critical systems.

Model Number: 09225SS-24P-AL-01

Brand: NMB-MAT (MinebeaMitsumi)

Product Type: Axial Fan

Rated Voltage: 24VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.20A

Power: 4.8W

Rated Speed: 3200 RPM

Bearing Type: Hydraulic Bearing (Magnetic Levitation)

Max. Air Flow: 55.0 CFM (1.56 m<sup>3</sup>/min)

Max. Static Pressure: 4.50 mmH<sub>2</sub>O (44.1 Pa)

Dimensions: 92 x 92 x 25 mm

Weight: 95g

Life Expectancy: 60,000 Hours at 25°C

Speed Control: 3-Wire (Tachometer/Signal Output)

Noise Level: 34.0 dB(A)

Housing Material: Plastic (Black) UL94V-0

Blade Material: Plastic (Black) UL94V-0

Termination: 3-Lead Wires

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Protection Features: Locked Rotor Protection, Reverse Polarity Protection

Insulation Resistance: 10M Ohm min. at 500VDC

#### Applications & Industry Use Cases

1. VFD control cabinets: High static pressure ensures penetrating airflow through dense inverter heat sinks.
2. Industrial PLCs: Compact 92mm profile prevents heat soak in sealed automation modules.
3. 2U rackmount chassis: Low-noise hydraulic bearings minimize resonance in high-density server environments.
4. Telecom edge routing: Reliable 24VDC operation serves as a direct replacement fan for networking hardware.
5. Medical imaging equipment: Magnetic levitation technology ensures ultra-quiet operation in patient-facing diagnostic tools.

## Supplemental Images

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