# 09225SA-24N-EA-D1 NMB 24VDC 92x92x25mm Tachometer Axial Fan Datasheet


**Brand:** NMB

**SKU:** 992223919023

**Category:** Axial & Centrifugal Fans

**Price:** **$18.99**

**E-mail:** sales@equipspares.com

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

Product Page:
https://www.equipspares.com/product/09225sa-24n-ea-d1-nmb-24vdc-92x92x25mm-tachometer-axial-fan

## Product Description

The NMB 09225SA-24N-EA-D1 is a precision-engineered DC Axial Fan designed for critical thermal management in industrial electronics and power conversion systems. Utilizing MinebeaMitsumi's advanced dual ball bearing architecture, this unit ensures minimal friction and extended operational longevity under continuous load conditions. The aerodynamic impeller geometry is optimized to reduce turbulence while maximizing static pressure, effectively lowering thermal impedance within high-density enclosures. Constructed with a robust UL94V-0 reinforced plastic frame, it offers superior structural rigidity and vibration damping. This 24VDC cooling solution features a 3-wire tachometer interface for real-time speed monitoring, making it ideal for feedback-loop control systems requiring precise airflow regulation.

Model Number: 09225SA-24N-EA-D1
Brand: NMB-MAT (MinebeaMitsumi)
Product Type: DC Axial Fan
Rated Voltage: 24 VDC
Voltage Range: 14.0 - 27.6 VDC
Rated Current: 0.10 A
Input Power: 2.40 W
Rated Speed: 3200 RPM

Bearing Type: Dual Ball Bearing
Max. Air Flow: 53.0 CFM (90.0 $m^3/h$ / 1.50 $m^3/min$)
Max. Static Pressure: 4.6 $mmH_2O$ (45.1 Pa / 0.18 $inH_2O$)
Dimensions: 92 x 92 x 25 mm
Weight: 95 g
Life Expectancy: 100,000 Hours at 25°C
Termination: 3-Wire Leads (+, -, Sensor)
Sensor Output: Tachometer (Speed Signal)
Noise Level: 37.0 dB(A)
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
Mounting Orientation: Any
Ingress Protection: IP40

Engineered for reliability, the 09225SA-24N-EA-D1 is frequently deployed in variable frequency drive (VFD) inverters and industrial power supply units where consistent airflow is mandatory. Its compact 92mm footprint allows for seamless integration into server rack chassis, telecommunication cabinets, and CNC control modules. The 09225SA-24N-EA-D1 also serves effectively in medical instrumentation and network switchgear, providing efficient heat dissipation to protect sensitive semiconductor components from thermal throttling or failure.

## Supplemental Images


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