

# T92C24MS2A7-57A191 Nidec 24VDC 0.54A 92x92x32mm Axial Fan Datasheet



**Brand:** Nidec

**SKU:** 993353879682

**Category:** Axial & Centrifugal Fans

**Price:** **\$17.99**

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Product Page:

<https://www.equipspares.com/product/t92c24ms2a7-57a191-nidec-24vdc-0-54a-92x92x32mm-axial-fan>

## Product Description

The Nidec T92C24MS2A7-57A191 is a precision-engineered DC Axial Fan designed for high-performance thermal management in industrial and server applications. Utilizing advanced motor technology and a robust bearing architecture, this unit delivers exceptional aerodynamic efficiency while maintaining structural rigidity under continuous operation. The fan features a specialized impeller design that optimizes airflow to minimize thermal impedance within dense electronic enclosures. Engineered for reliability, the T92C24MS2A7-57A191 incorporates a 4-wire configuration, enabling precise speed monitoring and PWM control, ensuring the system adapts dynamically to varying thermal loads while maintaining operational stability.

Model Number: T92C24MS2A7-57A191

Brand: Nidec (Nidec Corporation)

Product Type: DC Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.54 A

Input Power: 12.96 W

Rated Speed: 4300 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 92.0 CFM (156.3 m<sup>3</sup>/h / 2.60 m<sup>3</sup>/min)

Max. Static Pressure: 14.0 mmH<sub>2</sub>O (137.2 Pa / 0.55 inH<sub>2</sub>O)

Dimensions: 92 x 92 x 32 mm

Weight: 185 g

Noise Level: 48.5 dB(A)

Termination: 4-Wire Leads (Red +, Black -, Yellow Sensor, Blue PWM)

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

Life Expectancy: 70,000 Hours at 40°C

Speed Control: PWM (Pulse Width Modulation)

Sensor Output: Tachometer (Frequency Generator)

Protection: Locked Rotor Protection, Reverse Polarity Protection

The T92C24MS2A7-57A191 is widely utilized in mission-critical hardware such as enterprise server racks, telecommunications base stations, and network switches where sustained airflow is mandatory. Additionally, the T92C24MS2A7-57A191 serves as a vital component in industrial automation control panels, CNC machinery, and medical instrumentation, providing efficient heat dissipation to protect sensitive electronic components from thermal throttling and failure.

## Supplemental Images

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