

# T92T12MMA7-51Z32 Nidec 12VDC 92x92x25mm Axial Fan Datasheet



**Brand:** Nidec

**SKU:** [680565415186](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$13.99**

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Product Page:

<https://www.equipspares.com/product/t92t12mma7-51z32-nidec-12vdc-92x92x25mm-axial-fan>

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## Product Description

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The Nidec T92T12MMA7-51Z32 is a precision-engineered Axial Fan designed for applications requiring a balance between airflow efficiency and acoustic performance. Utilizing advanced Hydraulic Bearing technology, this unit ensures reduced friction and extended operational lifespan compared to standard sleeve bearings. The aerodynamic impeller design minimizes turbulence, thereby lowering thermal impedance within enclosed electronic systems. Built with high structural rigidity, the frame resists vibration-induced stress, making it suitable for continuous duty cycles. The 12VDC motor is optimized for low power consumption while maintaining consistent static pressure delivery, ensuring reliable thermal dissipation in space-constrained environments.

Model Number: T92T12MMA7-51Z32

Brand: Nidec

Product Type: Axial Fan

Rated Voltage: 12VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 0.10 A

Power Consumption: 1.20 W

Rated Speed: 2200 RPM

Bearing Type: Hydraulic Bearing

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

Max. Static Pressure: 2.1 mmH<sub>2</sub>O (20.6 Pa / 0.08 inH<sub>2</sub>O)

Dimensions: 92 x 92 x 25 mm

Noise Level: 24.0 dBA

Termination: 2-Wire Lead

Housing Material: PBT (UL94V-0)

Blade Material: PBT (UL94V-0)

Operating Temperature: -10°C to +70°C

Life Expectancy: 40,000 Hours @ 40°C

Weight: 95 g

The T92T12MMA7-51Z32 is engineered for critical thermal management in compact electronic enclosures where noise suppression is a priority. Common deployment scenarios include home theater PC (HTPC) builds, network attached storage (NAS) units, and small-form-factor power supplies. The T92T12MMA7-51Z32 provides reliable airflow for medical instrumentation and telecommunications equipment, ensuring components remain within safe operating temperature ranges without introducing excessive acoustic interference. Its standard form factor allows for seamless integration into legacy industrial control panels and server chassis.

## Supplemental Images

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