

# T92T12MUA7-51 Nidec 12VDC 92x92x25mm PWM Axial Cooling Fan Datasheet



**Brand:** Nidec

**SKU:** [917072668529](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$16.99**

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Product Page:

<https://www.equipspares.com/product/t92t12mua7-51-nidec-12vdc-92x92x25mm-pwm-axial-cooling-fan>

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## Product Description

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The Nidec T92T12MUA7-51 is a precision-engineered Axial Fan belonging to the high-performance UltraFlo series, designed to deliver optimal thermal management in high-density electronic environments. Utilizing advanced DC brushless motor technology and a specialized aerodynamic impeller design, this unit minimizes structural rigidity issues while maximizing airflow efficiency against system resistance. The integration of Pulse Width Modulation (PWM) allows for dynamic speed regulation, ensuring the fan operates at the precise point required to overcome thermal impedance without unnecessary acoustic noise. Built with robust materials and Nidec's signature bearing architecture, the T92T12MUA7-51 ensures long-term reliability and consistent performance in critical cooling applications.

Model Number: T92T12MUA7-51

Brand: Nidec

Product Type: Axial Fan

Series: UltraFlo

Rated Voltage: 12V DC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 0.25 A

Power Consumption: 3.00 W

Rated Speed: 3400 RPM

Bearing Type: NBR (Nidec Bearing Revolution)  
Max. Air Flow: 56.5 CFM (96.0 m<sup>3</sup>/h / 1.60 m<sup>3</sup>/min)  
Max. Static Pressure: 4.2 mmH<sub>2</sub>O (41.2 Pa / 0.16 inH<sub>2</sub>O)  
Dimensions: 92mm x 92mm x 25mm  
Weight: 95 g  
Life Expectancy: 70,000 Hours at 40°C  
Speed Control: PWM (Pulse Width Modulation)  
Noise Level: 34.0 dB(A)  
Housing Material: PBT (UL94V-0)  
Impeller Material: PBT (UL94V-0)  
Termination: 4-Wire Lead  
Operating Temperature: -10°C to +70°C  
Storage Temperature: -40°C to +70°C  
Mounting Orientation: Any  
Ingress Protection: IP40  
Certifications: UL, CSA, TUV, CE

Designed for versatility, the T92T12MUA7-51 is frequently deployed in server rack enclosures and high-performance workstation chassis where consistent airflow is paramount. The T92T12MUA7-51 excels in cooling CPU heatsinks and regulating internal temperatures in industrial automation equipment, ensuring critical components remain within safe thermal operating limits.

## Supplemental Images

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