

T92T12MHA7-53T64 Nidec 12VDC 92x92x25mm Silent Axial Fan Datasheet



Brand: Nidec

SKU: [991903375003](#)

Category: Axial & Centrifugal Fans

Price: **\$12.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/t92t12mha7-53t64-nidec-12vdc-92x92x25mm-silent-axial-fan>

Product Description

The Nidec T92T12MHA7-53T64 is a precision-engineered DC Axial Fan belonging to the renowned UltraFlo series, specifically optimized for acoustic-sensitive applications such as multimedia projection and audio-visual equipment. Utilizing advanced Nidec Bearing Revolution (NBR) technology, this unit minimizes frictional coefficients and vibrational resonance, ensuring exceptional structural rigidity and prolonged operational stability. The aerodynamic impeller design reduces turbulence-induced noise while maintaining adequate airflow to lower the thermal impedance of critical components. Engineered with a 3-wire interface, it supports tachometer signal output for real-time speed monitoring, making it an ideal solution for systems requiring active thermal management and feedback loops to maintain optimal operating temperatures.

Model Number: T92T12MHA7-53T64

Brand: Nidec

Series: UltraFlo

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 0.12 A

Input Power: 1.44 W

Rated Speed: 2200 RPM

Max. Air Flow: 38.5 CFM (65.4 m³/h / 1.09 m³/min)

Max. Static Pressure: 2.1 mmH₂O (20.6 Pa / 0.08 inH₂O)

Noise Level: 24.5 dB(A)

Bearing Type: NBR (Fluid Dynamic Bearing)

Dimensions: 92 x 92 x 25 mm

Weight: 95 g

Termination: 3-Wire Lead with Connector

Wire Configuration: Red (+), Black (-), Yellow (Signal)

Speed Control: Tachometer Output (FG Signal)

Housing Material: Polybutylene Terephthalate (PBT) (UL94V-0)

Impeller Material: Polybutylene Terephthalate (PBT) (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Life Expectancy: 60,000 Hours @ 40°C

Insulation Resistance: 10M Ohm at 500VDC

Dielectric Strength: 500VAC for 1 min

Safety Certifications: UL, CSA, TUV

Designed primarily for noise-critical environments, the T92T12MHA7-53T64 is extensively utilized in high-end multimedia projectors where silent operation is essential to the user experience. The T92T12MHA7-53T64 also finds application in home theater PC (HTPC) builds, medical instrumentation, and compact telecommunications chassis that require reliable airflow without the acoustic penalty of standard industrial fans. Its balanced performance profile ensures efficient heat dissipation for sensitive electronics.

Supplemental Images

