

T92T12MGA7-53 Nidec 12VDC 92x92x25mm Projector Axial Fan Datasheet



Brand: Nidec

SKU: 1016543242797

Category: Axial & Centrifugal Fans

Price: **\$16.99**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/t92t12mga7-53-nidec-12vdc-92x92x25mm-projector-axial-fan>

Product Description

The Nidec T92T12MGA7-53 is a precision-engineered axial fan designed for critical thermal management in sensitive electronics, specifically optimized for projection systems. Utilizing Nidec's advanced motor technology, this unit balances airflow efficiency with acoustic performance, ensuring minimal noise intrusion during operation. The frame and impeller are constructed from high-grade thermoplastic to minimize vibration and structural resonance, while the bearing architecture ensures stable operation under continuous thermal loads. Its aerodynamic blade profile optimizes static pressure delivery while maintaining low thermal impedance, making it an ideal solution for compact enclosures requiring reliable heat dissipation and long-term durability.

Model Number: T92T12MGA7-53

Brand: Nidec

Product Type: Axial Fan

Rated Voltage: 12VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 0.18 A

Power Input: 2.16 W

Rated Speed: 2400 RPM

Bearing Type: Hydro Dynamic Bearing

Max. Air Flow: 42.5 CFM (72.2 m³/h / 1.20 m³/min)

Max. Static Pressure: 2.8 mmH₂O (27.4 Pa / 0.11 inH₂O)

Dimensions: 92x92x25mm

Weight: 95 g

Noise Level: 28.5 dB(A)

Frame Material: PBT (UL94V-0)

Impeller Material: PBT (UL94V-0)

Termination: 3-Wire Lead with Connector

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP20

Direction of Rotation: Counter-clockwise

Safety Certifications: CE, UL, TUV

The T92T12MGA7-53 is specifically engineered for integration into high-definition projection equipment, such as JMGO projectors, where acoustic silence and thermal reliability are paramount. Beyond projection systems, the T92T12MGA7-53 serves effectively in small form-factor chassis, home theater PCs, and precision instrumentation cooling. Its balanced profile ensures that sensitive optical components remain within safe operating temperatures without introducing distracting noise artifacts into the user environment.

Supplemental Images

