

DO6T-24TU Nidec 24VDC 60x60x25mm Beta SL Axial Fan Datasheet



Brand: Nidec

SKU: [895436037395](#)

Category: Axial & Centrifugal Fans

Price: **\$12.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/do6t-24tu-nidec-24vdc-60x60x25mm-beta-sl-axial-fan>

Product Description

The Nidec DO6T-24TU is a precision-engineered Axial Fan designed for critical thermal management within the renowned Beta SL series. Utilizing advanced DC brushless motor technology, this unit optimizes electromagnetic efficiency while minimizing acoustic resonance through a balanced rotor design. The chassis is constructed to ensure high structural rigidity, maintaining blade alignment under continuous operation and reducing vibration-induced noise. Its aerodynamic impeller geometry is calibrated to deliver consistent static pressure, effectively reducing thermal impedance in dense electronic enclosures. Engineered for reliability, the DO6T-24TU balances power consumption with airflow performance, making it an ideal solution for industrial instrumentation requiring stable, long-term cooling.

Model Number: DO6T-24TU

Brand: Nidec

Series: Beta SL

Product Type: Axial Fan

Rated Voltage: 24VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.08 A

Power Input: 1.92 W

Rated Speed: 3400 RPM

Bearing Type: Maintenance-Free Sleeve Bearing
Max. Air Flow: 18.50 CFM (31.43 m³/h / 0.52 m³/min)
Max. Static Pressure: 3.20 mmH₂O (31.38 Pa / 0.13 inH₂O)
Dimensions: 60x60x25mm
Weight: 65 g
Noise Level: 26.0 dBA
Frame Material: PBT Plastic (UL94V-0)
Impeller Material: PBT Plastic (UL94V-0)
Termination: 2-Wire Lead
Ingress Protection: IP20
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Life Expectancy: 40,000 Hours at 40°C
Motor Protection: Impedance Protected
Dielectric Strength: 500VAC for 1 Min
Mounting Orientation: Any

This cooling solution is specifically engineered for thermal regulation in industrial electronics, including variable frequency drives and inverter cooling systems where the DO6T-24TU provides essential airflow. Its compact form factor allows for seamless integration into server racks, telecommunications equipment, and precision medical devices. The DO6T-24TU is also frequently utilized in CNC control panels and power supply units, ensuring components remain within safe operating temperature ranges to prevent thermal throttling and extend hardware lifespan.

Supplemental Images

