

# D06T-24TU 27BH7(MA) Nidec 24VDC 60x60x25mm 4-Wire Axial Fan Datasheet



**Brand:** Nidec

**SKU:** [717747058024](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$18.99**

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Product Page:

<https://www.equipspares.com/product/d06t-24tu-27bh7ma-nidec-24vdc-60x60x25mm-4-wire-axial-fan>

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## Product Description

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The Nidec D06T-24TU 27BH7(MA) is a precision-engineered axial fan designed for high-reliability thermal management in industrial electronics. Utilizing advanced DC motor technology, this unit optimizes torque delivery while minimizing electromagnetic interference. The aerodynamic profile of the impeller is calibrated to reduce turbulence and enhance static pressure capabilities, ensuring efficient airflow through dense component arrays. Constructed with a robust frame to maintain structural rigidity under thermal stress, the fan operates with a specialized bearing system that lowers the thermal impedance and extends operational lifespan. Its 4-wire configuration supports precise speed modulation, making it ideal for dynamic cooling requirements in variable frequency drives and power inverters.

Model Number: D06T-24TU 27BH7(MA)

Brand: Nidec

Product Type: Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.11 A

Input Power: 2.64 W

Dimensions: 60 x 60 x 25 mm

Size Class: 60mm

Termination: 4-Wire Lead

Wire Function: VCC, GND, Tachometer/Sensor, PWM Control

Bearing Type: Maintenance-Free Ball Bearing

Max. Air Flow: 23.5 CFM (39.9 m<sup>3</sup>/h / 0.66 m<sup>3</sup>/min)

Max. Static Pressure: 5.8 mmH<sub>2</sub>O (56.8 Pa / 0.23 inH<sub>2</sub>O)

Rated Speed: 4500 RPM

Noise Level: 34.0 dB(A)

Housing Material: PBT Plastic (UL94V-0)

Blade Material: PBT Plastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Life Expectancy: 60,000 Hours at 40°C

Mounting Orientation: Any

Application: Inverter/VFD Cooling

The D06T-24TU 27BH7(MA) is frequently deployed in critical industrial automation environments, specifically within variable frequency drives (VFDs) and power inverters where consistent thermal regulation is mandatory. Its compact form factor allows for seamless integration into high-density server racks, telecommunication switching equipment, and CNC control cabinets. Engineers rely on the D06T-24TU 27BH7(MA) to maintain optimal operating temperatures in medical instrumentation and power supply units, preventing thermal throttling and ensuring system longevity in continuous duty cycles.

## Supplemental Images

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