

TUDC24X7CF-L19 Nidec 24VDC 60x60x25mm Axial Fan Datasheet



Brand: Nidec

SKU: [1035327749709](#)

Category: Axial & Centrifugal Fans

Price: **\$25.99**

E-mail: sales@equipspares.com

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

Product Page: <https://www.equipspares.com/product/tudc24x7cf-l19-nidec-24vdc-60x60x25mm-axial-fan>

Product Description

Nidec TUDC24X7CF-L19 is a 24VDC 60x60x25mm Axial Fan optimized for high-density thermal management in industrial enclosures. This cooling solution utilizes advanced motor technology to maintain low thermal impedance while ensuring structural rigidity during continuous operation. Engineered with a precision bearing architecture, the TUDC24X7CF-L19 delivers a balanced aerodynamic profile suitable for localized heat dissipation. Operating at a rated current of 0.2A and consuming 4.8W, this unit provides consistent airflow to mitigate component degradation. Its compact 6025 frame is designed for systems requiring reliable static pressure and efficient heat extraction in space-constrained environments.

Model Number: TUDC24X7CF-L19

Brand: Nidec

Product Type: Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.2 A

Power: 4.8 W

Rated Speed: 4500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 23.5 CFM (0.66 m³/min)

Max. Static Pressure: 5.8 mmH₂O (56.9 Pa)

Dimensions: 60 x 60 x 25 mm

Weight: 65 g

Life Expectancy: 70,000 Hours at 40°C

Housing Material: PBT Plastic (UL94V-0)

Blade Material: PBT Plastic (UL94V-0)

Termination: 2 Lead Wires

Operating Temperature: -10 to +70 °C

Storage Temperature: -40 to +75 °C

Protection: Locked Rotor Protection, Reverse Polarity Protection

TUDC24X7CF-L19 Applications

1. Industrial Power Supplies: The 24VDC architecture and 60mm form factor make it an ideal replacement fan for cooling internal transformers and rectifiers where consistent airflow is critical for longevity.
2. Compact Server Chassis: Optimized for overcoming system impedance in 2U or 3U rackmount equipment, providing targeted cooling for localized hotspots.
3. CNC Control Cabinets: High structural rigidity allows for reliable operation in vibration-prone industrial environments, maintaining positive pressure to prevent dust ingress.

Supplemental Images

