

# U80T24MS4A7-51Z021 Nidec 24VDC 80x80x25mm Axial Fan Datasheet



**Brand:** Nidec

**SKU:** [1025300910208](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$26.99**

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Product Page:

<https://www.equipspares.com/product/u80t24ms4a7-51z021-nidec-24vdc-80x80x25mm-axial-fan>

## Product Description

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Nidec U80T24MS4A7-51Z021 is a 24VDC 80x80x25mm Axial Fan optimized for high-density thermal management in industrial automation environments. As part of the UltraFlo series, this unit utilizes advanced motor technology and a precision bearing architecture to minimize thermal impedance while maintaining structural rigidity under continuous duty cycles. Operating at a rated current of 0.165A, it delivers consistent static pressure necessary for overcoming the airflow resistance found in tightly packed electronic enclosures. This model is engineered for long-term reliability, making it a critical component for maintaining optimal operating temperatures in sensitive power electronics and variable frequency drives.

Model Number: U80T24MS4A7-51Z021

Brand: Nidec

Product Type: Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.165 A

Power: 3.96 W

Rated Speed: 3400 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 38.5 CFM (1.09 m<sup>3</sup>/min)

Max. Static Pressure: 4.8 mmH<sub>2</sub>O (47.1 Pa)

Dimensions: 80 x 80 x 25 mm

Weight: 95 g

Life Expectancy: 70,000 Hours at 40°C

Noise Level: 34.0 dB(A)

Housing Material: Plastic (UL94V-0)

Blade Material: Plastic (UL94V-0)

Termination: 2 Lead Wires

Operating Temperature: -10 to +70 °C

Storage Temperature: -40 to +75 °C

Protection Features: Locked Rotor Protection, Reverse Polarity Protection

Certifications: UL, CSA, VDE, CE

U80T24MS4A7-51Z021 Applications

1. Yaskawa VFD Cooling: Specifically engineered as a high-reliability replacement fan for Yaskawa variable frequency drives to prevent thermal throttling in motor control circuits.
2. Industrial Power Supplies: Ideal for overcoming high system impedance in enclosed 24V power conversion units where consistent laminar flow is required.
3. Control Cabinet Ventilation: Optimized for 80mm mounting footprints in ruggedized automation panels requiring low-vibration operation to protect sensitive PLC components.

## Supplemental Images

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