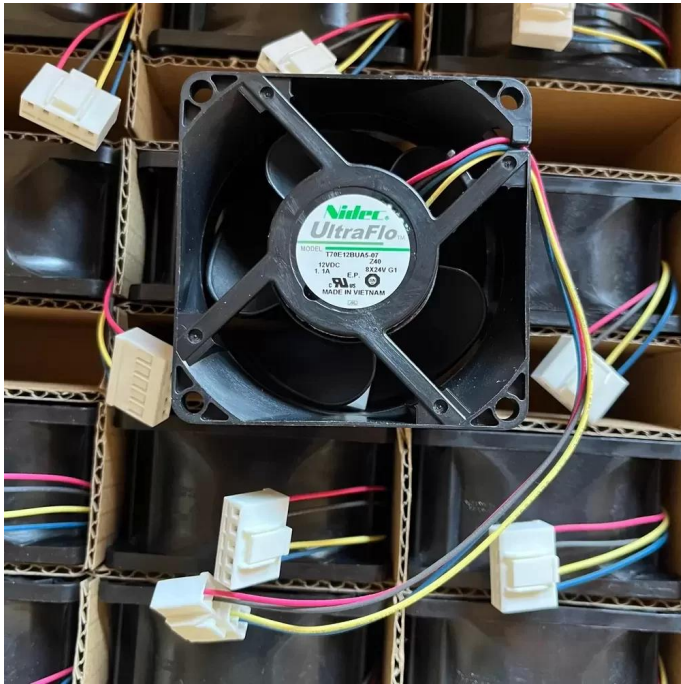


T70E12BUA5-07Z40 Nidec 12VDC 70x70x38mm Axial Fan Datasheet



Brand: Nidec

SKU: [1020056179383](#)

Category: Axial & Centrifugal Fans

Price: **\$16.99**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/t70e12bua5-07z40-nidec-12vdc-70x70x38mm-axial-fan>

Product Description

The Nidec T70E12BUA5-07Z40 is a high-density Axial Fan engineered for mission-critical thermal management in demanding industrial environments. Utilizing the advanced UltraFlo motor architecture, this unit optimizes aerodynamic efficiency through a precision-molded impeller design that minimizes turbulence and thermal impedance. The structural rigidity of the 70x38mm frame ensures stability during high-velocity operation, while the dual ball bearing system provides a robust mechanical foundation for extended service life. This DC-powered cooling solution is specifically tuned for high static pressure requirements, making it an essential component for maintaining optimal operating temperatures in densely packed electronic enclosures.

Model Number: T70E12BUA5-07Z40

Brand: Nidec

Product Type: Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 1.1A

Power: 13.2W

Rated Speed: 7500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 68.5 CFM (1.94 m³/min)

Max. Static Pressure: 24.5 mmH₂O (240.2 Pa)

Dimensions: 70x70x38mm

Weight: 145g

Life Expectancy: 70,000 Hours at 40°C

Speed Control: PWM (Pulse Width Modulation)

Monitoring Output: Tachometer (Frequency Generator)

Termination: 4-Wire Lead Wires

Housing Material: Thermoplastic UL94V-0

Blade Material: Thermoplastic UL94V-0

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Protection Features: Locked Rotor Protection, Reverse Polarity Protection

Certifications: UL, TUV, CE, RoHS

The T70E12BUA5-07Z40 is primarily deployed in high-performance server chassis and telecommunications infrastructure where concentrated heat dissipation is required. Due to its compact 70mm footprint and high pressure output, the T70E12BUA5-07Z40 is also an ideal choice for industrial frequency converters, CNC control cabinets, and medical diagnostic equipment. Its 4-wire PWM interface allows for precise thermal regulation within automated systems, ensuring that the fan scales its output based on real-time cooling demands.

Supplemental Images

