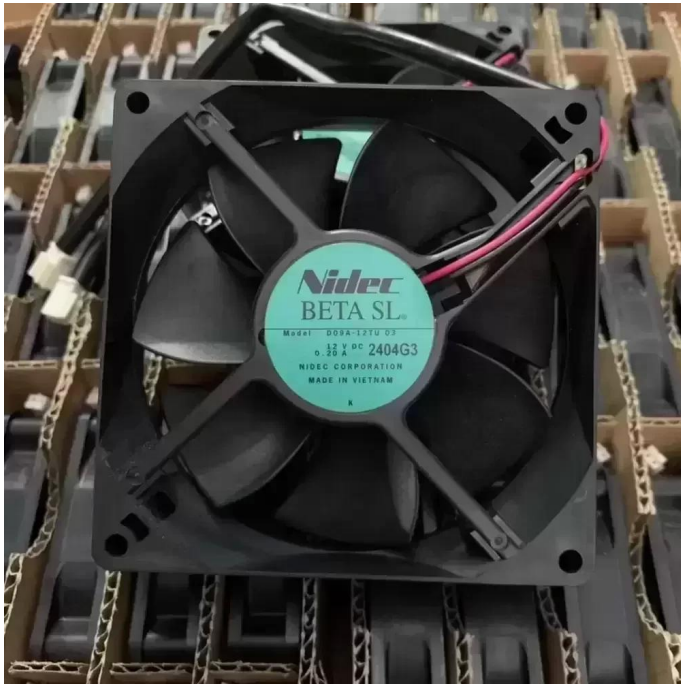


D09A-12TU 03 Nidec 12VDC 92x92x25mm Axial Cooling Fan Datasheet



Brand: Nidec

SKU: [895846424739](#)

Category: Axial & Centrifugal Fans

Price: **\$29.99**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/d09a-12tu-03-nidec-12vdc-92x92x25mm-axial-cooling-fan>

Product Description

The Nidec D09A-12TU 03 is a precision-engineered Axial Fan designed for high-reliability thermal management in industrial environments. Utilizing advanced DC motor technology, this unit optimizes airflow dynamics to reduce thermal impedance within enclosed chassis such as Fuji inverters and industrial computers. The construction features a robust thermoplastic housing that ensures structural rigidity and vibration damping under continuous operation. Its aerodynamic blade profile is calibrated to deliver consistent static pressure, effectively dissipating heat from sensitive power electronics while maintaining operational stability. This component represents a critical solution for maintaining system longevity in demanding automation sectors.

Model Number: D09A-12TU 03

Brand: Nidec

Product Type: Axial Fan

Rated Voltage: 12VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 0.20 A

Power Consumption: 2.40 W

Rated Speed: 2900 RPM

Bearing Type: Maintenance-Free Ball Bearing

Max. Air Flow: 52.0 CFM (88.3 m³/h / 1.47 m³/min)

Max. Static Pressure: 3.40 mmH₂O (33.3 Pa / 0.13 inH₂O)

Dimensions: 92 x 92 x 25 mm

Weight: 95 g

Life Expectancy: 60,000 Hours at 40°C

Noise Level: 34.0 dB(A)

Housing Material: Polybutylene Terephthalate (PBT) UL94V-0

Blade Material: Polybutylene Terephthalate (PBT) UL94V-0

Termination: 3-Wire Lead with Connector

Speed Control: Tachometer Output (Frequency Generator)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Insulation Resistance: 10M Ohm at 500VDC

Dielectric Strength: 500VAC for 1 Minute

Mounting Orientation: Any

Ingress Protection: IP20

Application: Fuji Inverter Cooling, Industrial PC

This cooling solution is specifically engineered for integration into power electronics systems, including variable frequency drives and the Fuji Inverter series. The D09A-12TU 03 provides essential airflow for industrial computers (IPCs) operating in factory automation environments where thermal regulation is paramount. By preventing thermal throttling in control cabinets and server racks, the D09A-12TU 03 ensures the continuous performance of mission-critical hardware used in CNC machinery, telecommunications infrastructure, and heavy-duty power supply units.

Supplemental Images

