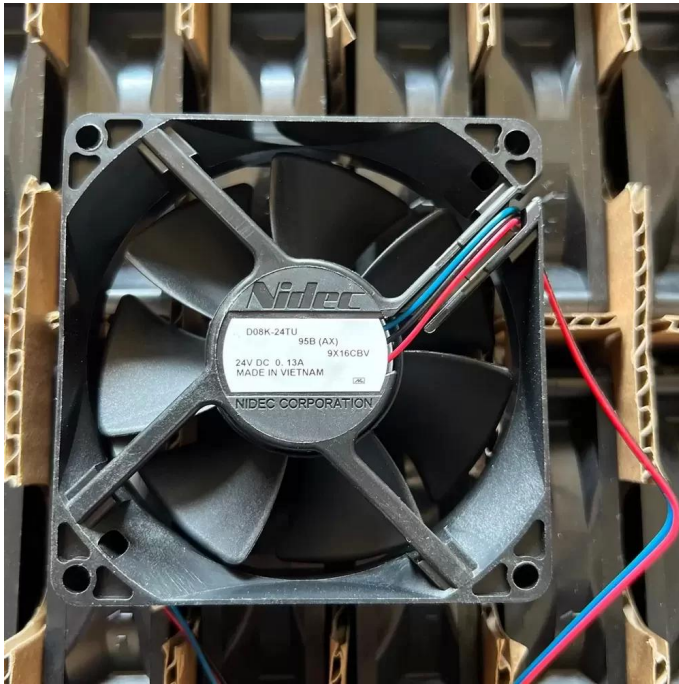


# D08K-24TU Nidec 24VDC 80x80x25mm RD Alarm Axial Fan Datasheet



**Brand:** Nidec

**SKU:** [1012581865100](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$11.99**

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Product Page:

<https://www.equipspares.com/product/d08k-24tu-nidec-24vdc-80x80x25mm-rd-alarm-axial-fan>

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## Product Description

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The Nidec D08K-24TU is a precision-engineered Axial Fan designed for critical thermal management in industrial electronics and power conversion systems. Utilizing advanced DC motor technology paired with a durable Hydraulic Bearing system, this unit ensures optimal rotational stability and reduced frictional coefficients, resulting in extended operational service life. The aerodynamic impeller geometry is calibrated to deliver high static pressure while maintaining a balanced thermal impedance profile. Featuring an integrated Rotation Detector (RD) alarm signal, the D08K-24TU provides real-time status monitoring, essential for preventing system failure in variable frequency drives and power supply units. Its structural rigidity and optimized blade curvature make it suitable for demanding environments requiring consistent airflow performance.

Model Number: D08K-24TU

Brand: Nidec

Product Type: Axial Fan

Rated Voltage: 24VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.13 A

Power: 3.12 W

Rated Speed: 3400 RPM

Bearing Type: Hydraulic Bearing

Max. Air Flow: 41.5 CFM (70.5 m<sup>3</sup>/h / 1.17 m<sup>3</sup>/min)

Max. Static Pressure: 4.2 mmH<sub>2</sub>O (41.1 Pa / 0.16 inH<sub>2</sub>O)

Dimensions: 80x80x25mm

Weight: 86 g

Life Expectancy: 40,000 Hours @ 40°C

Speed Control: RD Alarm (Rotation Detector)

Termination: 3-Wire (Red/Blue/Signal)

Operating Temperature: -10°C to +70°C

Housing Material: PBT (UL94V-0)

Application: Inverter Cooling, Industrial Cabinets

The D08K-24TU is frequently integrated into industrial variable frequency drives (VFDs) and power inverters where consistent thermal dissipation is critical for component longevity. Engineers rely on the D08K-24TU for server rack cooling solutions and telecommunications equipment, ensuring stable operation within enclosed cabinets. Its robust design also suits CNC machinery control panels and medical instrumentation requiring reliable airflow with failure detection capabilities.

## Supplemental Images

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