

KUDC24H7V-102 Nidec 24VDC 0.15A 3.6W 80x80x25mm Axial Fan Datasheet



Brand: Nidec

SKU: [714197404645](#)

Category: Axial & Centrifugal Fans

Price: **\$25.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/kudc24h7v-102-nidec-24vdc-0-15a-3-6w-80x80x25mm-axial-fan>

Product Description

The Nidec KUDC24H7V-102 is a precision-engineered Axial Fan designed for critical thermal management in industrial electronics. Utilizing advanced DC motor technology, this unit delivers consistent airflow while maintaining optimal thermal impedance within high-density enclosures. The aerodynamic impeller geometry is constructed to minimize turbulence and enhance static pressure capabilities, ensuring efficient heat dissipation. Built with structural rigidity and durable components, the KUDC24H7V-102 offers reliable operation in demanding environments, making it a staple for maintaining system integrity in variable frequency drives and power conversion equipment.

Model Number: KUDC24H7V-102

Brand: Nidec

Product Type: Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.15 A

Power: 3.6 W

Rated Speed: 3400 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 42.0 CFM (71.3 m³/h / 1.19 m³/min)

Max. Static Pressure: 4.5 mmH₂O (44.1 Pa / 0.18 inH₂O)

Dimensions: 80 x 80 x 25 mm

Weight: 85 g

Life Expectancy: 60,000 Hours @ 40°C

Termination: 2-Wire Leads

Housing Material: PBT (UL94V-0)

Impeller Material: PBT (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Noise Level: 34.0 dB(A)

Ingress Protection: IP20

Safety Protection: Impedance Protected

Designed specifically for thermal regulation in power electronics, the KUDC24H7V-102 excels in cooling variable frequency drives (VFDs) and industrial inverters where continuous operation is paramount. Its compact footprint allows for seamless integration into server racks, CNC control cabinets, and telecommunication power supplies. By effectively removing waste heat, the KUDC24H7V-102 prevents thermal throttling in sensitive components, ensuring the longevity and reliability of automation systems and medical instrumentation.