

SKUD24B4 Nidec Servo 24VDC 0.13A 120x120x25mm Axial Fan Datasheet



Brand: Nidec

SKU: [709640296066](#)

Category: Axial & Centrifugal Fans

Price: **\$123.99**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/skud24b4-nidec-servo-24vdc-0-13a-120x120x25mm-axial-fan>

Product Description

Nidec Servo SKUD24B4 is a 24VDC 120x120x25mm Axial Fan optimized for sustained thermal management in enclosed industrial control environments. By maintaining a consistent 0.13A current draw, this unit mitigates localized heat accumulation that typically degrades sensitive logic controllers. The precision-balanced impeller assembly ensures that the 2.9W power consumption translates into efficient laminar airflow rather than parasitic vibration. Integrated electromagnetic shielding within the motor housing prevents EMI interference with adjacent low-voltage signaling components. This specific 120x120x25mm 24VDC Axial Fan utilizes a specialized lubricant reservoir to maintain a stable hydrodynamic film, ensuring the 24VDC Axial Fan remains operational under continuous duty cycles without bearing seizure.

Model Number: SKUD24B4

Brand: Nidec Servo

Product Type: Axial Fan

Rated Voltage: 24VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.13A

Power: 3.12W

Rated Speed: 2600 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 88.2 CFM (2.50 m³/min)

Max. Static Pressure: 58.8 Pa (0.236 inH₂O)

Dimensions: 120 x 120 x 25 mm

Weight: 210g

Life Expectancy: 50,000 Hours at 40C

Noise Level: 37 dB(A)

Housing Material: Plastic (UL94V-0)

Blade Material: Plastic (UL94V-0)

Termination: 2-Wire Lead Wires

Operating Temperature: -10C to +70C

Storage Temperature: -40C to +70C

Protection Features: Locked Rotor Protection, Reverse Polarity Protection

Certifications: UL, CSA, VDE, CE

Applications & Industry Use Cases

1. VFD Control Cabinets: High static pressure overcomes filter resistance to prevent drive overheating.
2. Industrial PLCs: Compact 25mm profile fits standard enclosures for critical logic cooling.
3. 2U Rackmount Chassis: Optimized dimensions serve as a direct replacement fan for server nodes.
4. Telecom Edge Routing: Low-noise operation maintains thermal equilibrium in remote outdoor signal pedestals.
5. CNC Machine Tools: Robust housing resists vibration-induced fatigue in heavy-duty machining centers.
6. Medical Imaging Equipment: Stable airflow ensures consistent cooling for sensitive diagnostic sensor arrays.

Supplemental Images

