# CNDC24B7SM-049 Nidec 24VDC 120x120x38mm Cooling Axial Fan Datasheet


**Brand:** Nidec

**SKU:** 991756228540

**Category:** Axial & Centrifugal Fans

**Price:** **$55.99**

**E-mail:** sales@equipspares.com

**Web:** https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/cndc24b7sm-049-nidec-24vdc-120x120x38mm-cooling-axial-fan

## Product Description

The Nidec CNDC24B7SM-049 is a precision-engineered Axial Fan designed for demanding thermal management applications requiring sustained airflow and structural rigidity. Utilizing advanced DC motor technology paired with a durable bearing architecture, this unit ensures optimal thermal impedance reduction in high-density electronic enclosures. The aerodynamic impeller design minimizes turbulence-induced noise while maximizing static pressure capabilities, making it a robust solution for continuous industrial operation. The 4.1W power rating indicates a high-efficiency drive system balanced for performance and longevity, suitable for critical infrastructure environments.

Model Number: CNDC24B7SM-049
Brand: Nidec
Product Type: Axial Fan
Rated Voltage: 24VDC
Voltage Range: 14.0 - 27.6 VDC
Rated Current: 0.17 A
Power Input: 4.1 W
Dimensions: 120x120x38mm
Bearing Type: Dual Ball Bearing
Rated Speed: 2900 RPM
Max. Air Flow: 105.0 CFM (178.4 $m^3/h$ / 2.97 $m^3/min$)

Max. Static Pressure: 7.5 $mmH_2O$ (73.5 Pa / 0.29 $inH_2O$)
Noise Level: 44.0 dBA
Housing Material: PBT Plastic (UL94V-0)
Impeller Material: PBT Plastic (UL94V-0)
Termination: 4-Wire Lead
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Life Expectancy: 70,000 Hours @ 40°C
Origin: Vietnam
Weight: 260 g

This industrial cooling solution is specifically engineered for integration into server racks, telecommunications cabinets, and power supply units where reliability is paramount. The CNDC24B7SM-049 excels in ventilating CNC control panels and medical instrumentation, ensuring critical components remain within safe operating temperature ranges. By deploying the CNDC24B7SM-049, facility managers can maintain system stability in automation equipment and network infrastructure subject to continuous thermal loads.

## Supplemental Images