

# CNDC24B7-086 Nidec 24VDC 120x120x38mm DC Axial Fan Datasheet



**Brand:** Nidec

**SKU:** 1010182304198

**Category:** Axial & Centrifugal Fans

**Price:** \$45.99

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Product Page:

<https://www.equipspares.com/product/cndc24b7-086-nidec-24vdc-120x120x38mm-dc-axial-fan>

## Product Description

The Nidec CNDC24B7-086 is a DC Axial Fan engineered for critical industrial thermal management applications requiring sustained reliability and aerodynamic efficiency. Utilizing advanced brushless DC motor technology paired with a precision-balanced impeller, this unit optimizes airflow delivery while minimizing structural vibration and acoustic resonance. The robust frame construction ensures high structural rigidity, maintaining blade clearance tolerances under thermal stress. Designed with a low thermal impedance architecture, it effectively dissipates heat in enclosed environments, making it a staple for continuous-duty operations where component longevity is paramount.

Model Number: CNDC24B7-086

Brand: Nidec

Product Type: DC Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.20 A

Power Input: 4.8 W

Rated Speed: 2600 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 98.0 CFM (166.5 m<sup>3</sup>/h)

Max. Static Pressure: 6.8 mmH<sub>2</sub>O (66.6 Pa / 0.27 inH<sub>2</sub>O)

Dimensions: 120x120x38mm

Weight: 260 g

Life Expectancy: 60,000 Hours at 40°C

Termination: 2-Wire Lead (Red +, Black -)

Housing Material: PBT Plastic (UL94V-0)

Impeller Material: PBT Plastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP20

Country of Origin: Vietnam

Condition: Used (Like New)

The CNDC24B7-086 is widely utilized in industrial automation cabinets, server rack cooling systems, and telecommunications infrastructure where consistent airflow is required to prevent thermal throttling. Its standard 120mm form factor allows for seamless integration into power supply units, CNC machinery control panels, and medical instrumentation. The CNDC24B7-086 provides a balanced performance profile, ensuring sensitive electronics remain within safe operating temperature ranges during prolonged duty cycles.

## Supplemental Images

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