

# D06F-12SH 55B Nidec 12VDC 60mm Centrifugal Blower Datasheet



**Brand:** Nidec

**SKU:** [990174092210](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$9.99**

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Product Page: <https://www.equipspares.com/product/d06f-12sh-55b-nidec-12vdc-60mm-centrifugal-blower>

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## Product Description

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The Nidec D06F-12SH 55B is a Centrifugal Blower engineered for precision thermal management in compact industrial enclosures. Utilizing advanced DC brushless motor technology, this unit delivers consistent airflow against high static pressure resistance, characteristic of its turbine-style aerodynamic design. The chassis is constructed to ensure structural rigidity and vibration damping, optimizing operational stability under continuous load. Its bearing architecture is designed to minimize friction and thermal impedance, extending the mean time between failures (MTBF) in demanding environments. This component is ideal for systems requiring directed cooling where axial fans lack the necessary pressure generation.

Model Number: D06F-12SH 55B (EX)

Brand: Nidec

Product Type: Centrifugal Blower

Rated Voltage: 12VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 0.21 A

Power Input: 2.52 W

Rated Speed: 4500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 8.8 CFM (14.9 m<sup>3</sup>/h / 0.25 m<sup>3</sup>/min)

Max. Static Pressure: 11.2 mmH<sub>2</sub>O (109.8 Pa / 0.44 inH<sub>2</sub>O)

Dimensions: 60mm x 60mm x 20mm

Weight: 55 g

Life Expectancy: 70,000 Hours at 40°C

Noise Level: 36.0 dB(A)

Housing Material: PBT Plastic (UL94V-0)

Impeller Material: PBT Plastic (UL94V-0)

Termination: 3-Wire Lead

Speed Control: Tachometer Output

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP40

Insulation Class: Class A

Safety Certifications: UL, CSA, TUV, CE

The D06F-12SH 55B is frequently integrated into high-density server racks and telecommunications equipment where space constraints require efficient exhaust mechanisms. Additionally, the D06F-12SH 55B serves as a critical cooling component in medical instrumentation, industrial projectors, and compact power supplies, ensuring reliable thermal dissipation for sensitive electronics.

## Supplemental Images

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