

# D1751S24B6CZ-16 Nidec 24V 1.8A High Speed Cooling Fan Datasheet



**Brand:** Nidec

**SKU:** [676601742865](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$122.99**

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**E-mail:** [sales@equipspares.com](mailto:sales@equipspares.com)

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

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Product Page:

<https://www.equipspares.com/product/d1751s24b6cz-16-nidec-24v-1-8a-high-speed-cooling-fan>

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## Product Description

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The Nidec D1751S24B6CZ-16 is a high-performance industrial axial fan designed for critical thermal management in power electronics. Known as a "violence fan" due to its high rotational speed and aggressive airflow capabilities, this unit features a robust aluminum die-cast frame and precision ball bearings to ensure longevity under continuous operation. It is optimized for systems requiring high static pressure to overcome significant airflow resistance.

Manufacturer: Nidec Corporation

Model Number: D1751S24B6CZ-16

Product Type: DC Axial Fan

Rated Voltage: 24V DC

Operating Voltage Range: 14.0 - 27.6 VDC

Rated Current: 1.8A

Input Power: 43.2W

Dimensions: 172mm x 150mm x 51mm

Bearing System: Dual Ball Bearing

Termination: 2-Wire Lead (Red/Black)

Frame Material: Aluminum Die-Cast

Impeller Material: Reinforced Plastic (UL94V-0)

Max. Air Flow: 235.0 CFM (399.2 m<sup>3</sup>/h / 6.65 m<sup>3</sup>/min)

Max. Static Pressure: 22.5 mmH<sub>2</sub>O (220.6 Pa / 0.88 inH<sub>2</sub>O)

Speed: 4100 RPM

Noise Level: 58.0 dB(A)

Weight: 850g

The D1751S24B6CZ-16 is engineered for rigorous industrial environments where reliability is paramount. Its primary application lies in the cooling of variable frequency drives (VFDs) and large-scale frequency inverters, where maintaining optimal operating temperatures is crucial for component lifespan. Additionally, the D1751S24B6CZ-16 is suitable for high-density server racks, telecommunications cabinets, and power supply units that require substantial airflow to dissipate heat generated by high-current operations.

## Supplemental Images

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