

D1751S24-02058 Nidec 24VDC 0.5A 172x150x51mm Axial Fan Datasheet



Brand: Nidec

SKU: [1043538741440](#)

Category: Axial & Centrifugal Fans

Price: **\$364.29**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/d1751s24-02058-nidec-24vdc-0-5a-172x150x51mm-axial-fan>

Product Description

Nidec D1751S24-02058 172 x 150 x 51 mm 24 VDC 0.5 A 205 CFM Axial Fan is a high-performance thermal management component featuring a die-cast aluminum housing and a glass-fiber reinforced plastic impeller. The internal mechanism utilizes precision dual ball bearings to ensure extended operational life and stability under continuous duty cycles. Electrical connection is established via integrated lead wires, and the brushless DC motor includes polarity protection and locked rotor protection. The side-cut oval frame geometry facilitates installation in space-constrained industrial enclosures while maintaining high static pressure capabilities.

D1751S24-02058 Specifications

Model: D1751S24-02058

Brand: Nidec

Category: Axial Cooling Fan

Rated Voltage: 24 VDC

Operating Voltage Range: 14.0 to 27.6 VDC

Rated Current: 0.5 A

Input Power: 12 W

Rated Speed: 2800 RPM

Maximum Airflow: 205 CFM

Maximum Static Pressure: 120 Pa

Noise Level: 49 dBA

Dimensions: 172 x 150 x 51 mm

Bearing Type: Dual Ball Bearing

Frame Material: Aluminum Die-cast

Impeller Material: Plastic (UL 94V-0)

Operating Temperature: -10 to +70 °C

Storage Temperature: -40 to +75 °C

Life Expectancy: 50,000 Hours at 40 °C

Weight: 820 g

Termination: 3-wire Lead Wires

Safety Certifications: UL, CSA, TUV, CE

D1751S24-02058 Applications

Primary applications include integration into ABB ACS800 and ACS880 series frequency converters for power module thermal management. Deployed within industrial control cabinets, telecommunications base stations, and high-capacity server racks requiring consistent forced-air cooling for internal electronics.

Supplemental Images

