D1751S24-02153 Nidec 24VDC 0.9A 172x51mm Axial Fan Datasheet

Brand: Nidec

SKU: 684550160598

Category: Axial & Centrifugal Fans

Price: **$197.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/d1751s24-02153-nidec-24vdc-0-9a-172x51mm-axial-fan

Product Description

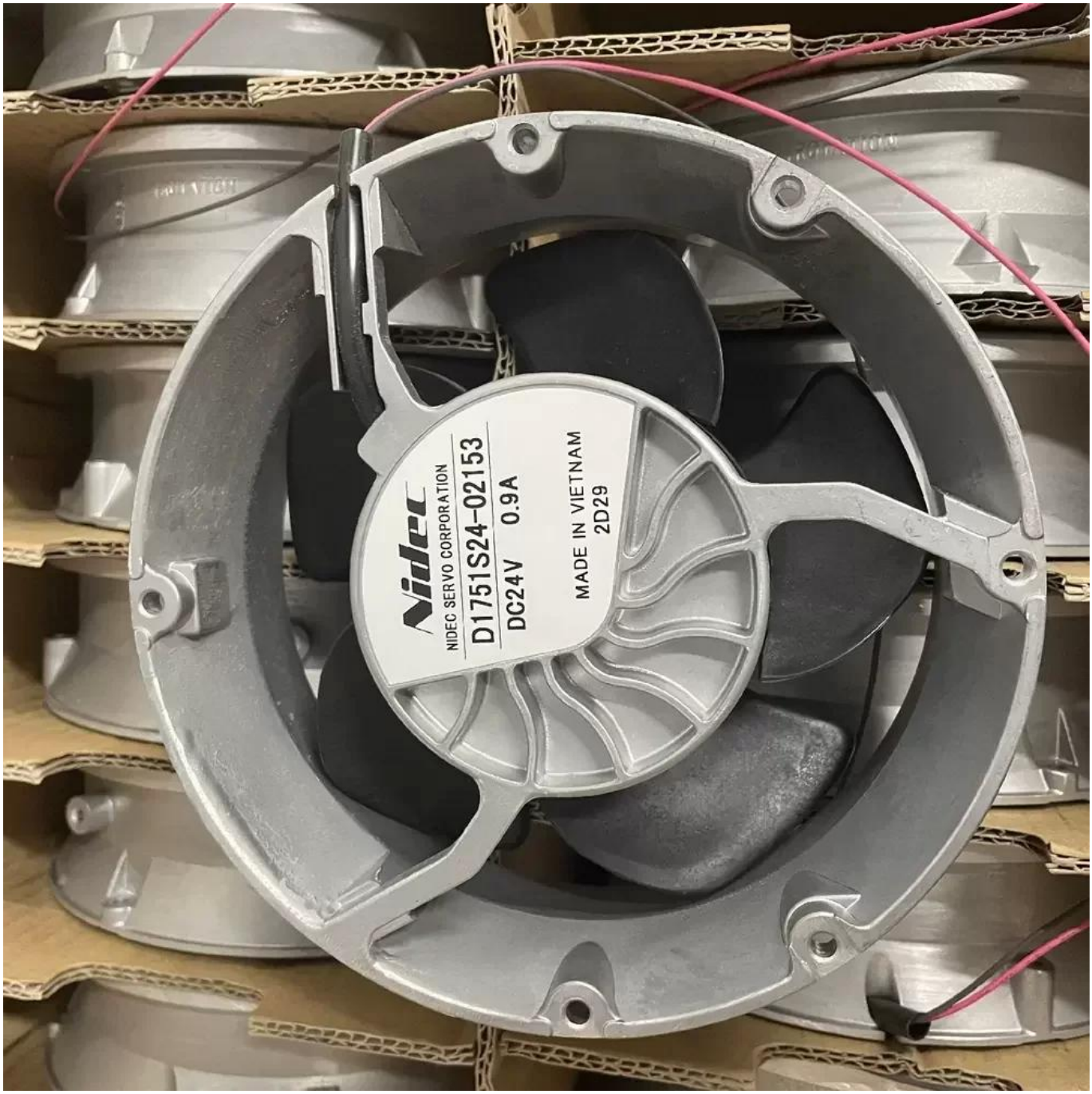
The Nidec D1751S24-02153 is a high-capacity industrial Axial Fan designed to deliver superior aerodynamic performance in demanding thermal environments. Engineered with a robust die-cast aluminum frame and precision-balanced impeller, this unit ensures structural rigidity and minimal vibration during high-speed operation. The fan utilizes advanced DC motor technology to achieve a high rotational speed of 3800 RPM, resulting in exceptional airflow throughput and significant static pressure capabilities. Its design focuses on reducing thermal impedance within high-density electronic enclosures, making it a critical component for systems requiring rapid heat dissipation. The D1751S24-02153 features a durable bearing system optimized for longevity and continuous duty cycles, ensuring reliable operation even under substantial load conditions.

Model Number: D1751S24-02153
Brand: Nidec
Product Type: Axial Fan
Rated Voltage: 24 VDC
Voltage Range: 14.0 - 27.6 VDC
Rated Current: 0.9 A
Power: 21.6 W
Rated Speed: 3800 RPM
Bearing Type: Ball Bearing

Max. Air Flow: 282.0 CFM (479.1 m^3/h / 7.99 m^3/min)
Max. Static Pressure: 22.43 mmH_2O (220.0 Pa / 0.88 inH_2O)
Dimensions: 172 x 51 mm
Termination: 2-Wire Lead
Housing Material: Aluminum Die-Cast
Blade Material: UL94V-0 Plastic
Operating Temperature: -10°C to +70°C
Mounting Orientation: Any

The D1751S24-02153 is specifically engineered for heavy-duty applications such as large-scale server cabinets, telecommunications base stations, and industrial automation control panels where high static pressure is required to overcome system resistance. Additionally, the D1751S24-02153 is frequently utilized in CNC machinery cooling and medical instrumentation, providing the necessary airflow to maintain optimal operating temperatures for sensitive power electronics and drive systems.

Supplemental Images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