

D1751U24B8PP363 Nidec 24VDC 172x150x51mm 3.4A Axial Fan Datasheet



Brand: Nidec

SKU: [985962879623](#)

Category: Axial & Centrifugal Fans

Price: **\$209.99**

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Product Page:

<https://www.equipspares.com/product/d1751u24b8pp363-nidec-24vdc-172x150x51mm-3-4a-axial-fan>

Product Description

The Nidec D1751U24B8PP363 is a high-capacity axial fan engineered for critical thermal management in industrial power electronics. Featuring a robust 24VDC motor architecture, this unit draws a substantial 3.4A, indicating a high-torque configuration designed to overcome significant static pressure resistance within dense enclosures. The fan utilizes precision ball bearings to ensure rotational stability and longevity under continuous duty cycles. Its aerodynamic profile is optimized for forced convection, specifically tailored to meet the rigorous heat dissipation requirements of variable frequency drives. The structural integrity of the housing supports operation in demanding industrial environments, maintaining consistent airflow performance to prevent thermal throttling in sensitive components.

Model Number: D1751U24B8PP363

Brand: Nidec

Product Type: Axial Cooling Fan

Rated Voltage: 24VDC

Rated Current: 3.4A

Input Power: 81.6W

Dimensions: 172mm x 150mm x 51mm

Bearing Type: Ball Bearing

Termination: 4-Wire with Plug

Application: ABB 580-880 Series Inverter

Country of Origin: Vietnam

Cooling Method: Forced Air

The D1751U24B8PP363 is specifically calibrated for integration with ABB 580 and 880 series frequency converters (inverters). In these applications, the D1751U24B8PP363 serves as the primary active cooling solution, extracting waste heat generated by IGBT modules and capacitors during high-load operations. Its high-current specification ensures sufficient air volume to penetrate the dense fin stacks of inverter heatsinks, making it suitable for industrial automation cabinets, motor control centers, and heavy-duty drive systems where reliability is paramount.

Supplemental Images

