

D1751M24B8CP323 Nidec Servo 24VDC 172x51mm 3.4A Axial Fan Datasheet



Brand: Nidec

SKU: [D1751M24B8CP323](#)

Category: Industrial Fans

Price: **\$205.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/d1751m24b8cp323-nidec-servo-24vdc-172x51mm-3-4a-axial-fan>

Product Description

The Nidec Servo D1751M24B8CP323 is a robust DC Axial Fan engineered for critical thermal management in industrial power electronics. Utilizing advanced Brushless DC motor technology and a precision dual ball bearing architecture, this unit ensures exceptional structural rigidity and longevity under continuous operation. The aerodynamic impeller design is optimized to deliver high-density airflow and overcome significant system impedance, making it a premier solution for maintaining optimal operating temperatures in variable frequency drives and high-load electrical cabinets.

Model Number: D1751M24B8CP323

Brand: Nidec Servo (Japan Servo)

Product Type: DC Axial Fan

Rated Voltage: 24VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 3.4 A

Input Power: 81.6 W

Rated Speed: 5500 RPM (Estimated)

Bearing Type: Dual Ball Bearing

Max. Air Flow: 300 CFM (Estimated)

Dimensions: 172mm x 150mm x 51mm

Frame Material: Aluminum Die-Cast

Impeller Material: Reinforced Plastic (UL94V-0)

Termination: 4-Wire Leads

Speed Control: PWM / Tachometer Output

Ingress Protection: IP20

Operating Temperature: -10°C to +70°C

Application: ABB Inverter Replacement

This high-performance cooling fan is specifically deployed in heavy-duty industrial environments, serving as a direct replacement component for ABB variable frequency drives and power inverters. The D1751M24B8CP323 effectively dissipates heat from sensitive IGBT modules and rectifier bridges, preventing thermal throttling in automation systems. Furthermore, the D1751M24B8CP323 is utilized in telecommunications racks, server enclosures, and CNC control panels where reliable, high-static pressure air movement is required for system stability.

Supplemental Images

