

D1751P24B8PP340 Nidec 24V 3.4A High Speed Axial Cooling Fan Datasheet



Brand: Nidec

SKU: [680729538957](#)

Category: Axial & Centrifugal Fans

Price: **\$162.99**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/d1751p24b8pp340-nidec-24v-3-4a-high-speed-axial-cooling-fan>

Product Description

The Nidec D1751P24B8PP340 is a robust industrial axial fan engineered for high-static pressure applications. Featuring a durable aluminum die-cast frame and dual ball bearings, this 24V DC fan delivers exceptional cooling performance with a current draw of 3.4A, making it ideal for demanding thermal management in power electronics and variable frequency drives.

Manufacturer: Nidec Corporation

Model Number: D1751P24B8PP340

Product Type: DC Axial Fan

Rated Voltage: 24VDC

Operating Voltage Range: 14.0 - 27.6 VDC

Rated Current: 3.4A

Input Power: 81.6 W

Nominal Speed: 5300 RPM

Max. Air Flow: 360.00 CFM (611.6 m³/h / 10.19 m³/min)

Max. Static Pressure: 32.50 mmH₂O (318.7 Pa / 1.28 inH₂O)

Bearing Type: Maintenance-Free Dual Ball Bearing

Frame Dimensions: 172mm x 150mm x 51mm (Oval)

Frame Material: Aluminum Die-Cast with Black Coating

Impeller Material: Reinforced Plastic (UL94V-0)

Noise Level: 68.0 dB(A)

Life Expectancy: 70,000 Hours at 40°C

Termination: Lead Wires

Operating Temperature: -10°C to +70°C

Safety Certifications: UL, cUL, TUV, CE

Weight: 850 g

This high-capacity cooling fan is specifically engineered for heavy-duty industrial environments requiring rapid heat dissipation. It is widely utilized in variable frequency drives, specifically serving as a replacement component for ABB inverter cooling systems where sustained airflow is critical. The D1751P24B8PP340 excels in server cabinets, telecommunications equipment, and large-scale power supply units, ensuring operational stability by effectively managing thermal loads in high-density electronic enclosures.

Supplemental Images

