

D1751U24B8PP366 Nidec 24V 3.4A Inverter Cooling Fan Datasheet



Brand: Nidec

SKU: 989742945987

Category: Axial & Centrifugal Fans

Price: \$135.99

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/d1751u24b8pp366-nidec-24v-3-4a-inverter-cooling-fan>

Product Description

The Nidec D1751U24B8PP366 is a heavy-duty industrial axial fan specifically engineered for high-static pressure applications, most notably within ABB variable frequency drive systems. With a robust die-cast aluminum frame and UL94V-0 reinforced plastic impeller, this unit is designed to withstand harsh operating environments while delivering substantial airflow to dissipate heat generated by power electronics.

Manufacturer: Nidec Corporation

Model Number: D1751U24B8PP366

Product Type: DC Axial Fan

Rated Voltage: 24V DC

Operating Voltage Range: 16.0 - 28.0 VDC

Rated Current: 3.4 A

Input Power: 81.6 W

Rotational Speed: 5300 RPM

Bearing System: Dual Ball Bearings

Max. Air Flow: 300.0 CFM (509.7 m³/h / 8.50 m³/min)

Max. Static Pressure: 28.45 mmH₂O (279.0 Pa / 1.12 inH₂O)

Noise Level: 66.5 dB(A)

Dimensions: 172 mm x 150 mm x 51 mm

Housing Material: Die-Cast Aluminum

Impeller Material: Reinforced Plastic (UL94V-0)

Ingress Protection: IP20

Life Expectancy: 70,000 Hours (40°C)

Termination: Lead Wire with Connector

Weight: 860 g

Designed primarily for critical thermal management in industrial automation, the Nidec D1751U24B8PP366 serves as a vital cooling component for ABB frequency converters and large-scale inverter cabinets where consistent heat dissipation is mandatory. Its high static pressure capability makes it ideal for overcoming the high impedance found in densely packed electronic enclosures, ensuring that sensitive power modules remain within safe operating temperature ranges. Additionally, the D1751U24B8PP366 is suitable for use in telecommunications racks, server cooling, and heavy-machinery control panels requiring high-velocity air movement.

Supplemental Images

