

D1751S48B9CP-33 SERVO 48V 2.3A High Airflow Cooling Fan Datasheet



Brand: Nidec

SKU: 990426652204

Category: Axial & Centrifugal Fans

Price: \$239.99

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Product Description

The SERVO D1751S48B9CP-33 is a high-performance industrial cooling fan manufactured by Nidec Servo, designed specifically for demanding thermal management applications. Featuring a robust 172mm x 51mm frame and a powerful 48VDC motor, this unit draws 2.3A to generate substantial airflow and static pressure. It is built with durable materials and precision ball bearings to ensure longevity and reliability in continuous-duty environments, making it an ideal replacement component for heavy industrial machinery and power electronics.

Manufacturer: Nidec Servo (SERVO)

Model Number: D1751S48B9CP-33

Product Type: DC Axial Fan

Frame Size: 17251 (172 mm x 150 mm x 51 mm)

Rated Voltage: 48VDC

Operating Voltage Range: 36.0 - 56.0 VDC

Rated Current: 2.3 A

Input Power: 110.4 W

Speed: 5300 RPM

Max. Air Flow: 360.0 CFM (611.6 m³/h / 10.19 m³/min)

Max. Static Pressure: 32.0 mmH₂O (313.8 Pa / 1.26 inH₂O)

Bearing Type: Dual Ball Bearing

Noise Level: 68.0 dB(A)

Frame Material: Aluminum Die-Cast

Impeller Material: Reinforced Plastic (UL94V-0)

Termination: Lead Wires

Operating Temperature: -10°C to +70°C

Weight: 850 g

This heavy-duty axial fan is primarily deployed in industrial automation sectors requiring aggressive heat dissipation. It is frequently utilized as a critical cooling component in variable frequency drives (VFDs), high-power inverters, and server cabinets where airflow impedance is high. The SERVO D1751S48B9CP-33 is specifically engineered to force large volumes of air through dense heatsinks and restricted enclosures, ensuring the thermal stability of sensitive power conversion modules and telecommunications equipment.

Supplemental Images

