

A35516-59PW1 Nidec 48VDC 172x51mm Axial Fan Datasheet



Brand: Nidec

SKU: [674544239115](#)

Category: Axial & Centrifugal Fans

Price: **\$66.99**

E-mail: sales@equipspares.com

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Product Page: <https://www.equipspares.com/product/a35516-59pw1-nidec-48vdc-172x51mm-axial-fan>

Product Description

The Nidec A35516-59PW1 is a high-performance Axial Fan engineered for rigorous industrial thermal management applications. Utilizing advanced DC motor technology and a precision-balanced impeller, this unit delivers exceptional airflow while maintaining structural rigidity under continuous operation. The fan features a robust dual ball bearing architecture, designed to minimize friction and extend service life in high-temperature environments. Its aerodynamic profile is optimized to reduce thermal impedance, making it a critical component for maintaining system stability in power electronics and high-density enclosures.

Model Number: A35516-59PW1

Brand: Nidec

Product Type: DC Axial Fan

Rated Voltage: 48 VDC

Voltage Range: 28.0 - 56.0 VDC

Rated Current: 1.55 A

Input Power: 74.4 W

Rated Speed: 4000 RPM

Max. Air Flow: 235.0 CFM (399.2 m³/h)

Max. Static Pressure: 22.5 mmH₂O (220 Pa)

Dimensions: 172 mm x 150 mm x 51 mm

Bearing Type: Dual Ball Bearing

Noise Level: 58.0 dB(A)

Housing Material: Die-Cast Aluminum

Impeller Material: Reinforced Plastic (UL94V-0)

Termination: Lead Wires

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Life Expectancy: 70,000 Hours at 40°C

Mounting: Flange Mount

Protection: Locked Rotor Protection, Reverse Polarity Protection

Application: Yaskawa Inverter, UPS Power Supply

The A35516-59PW1 is specifically calibrated for mission-critical hardware, serving as a primary cooling solution for Yaskawa frequency inverters and industrial UPS power supplies. Its high-static pressure capabilities allow it to effectively push air through dense component arrays found in server racks and telecommunication equipment. By ensuring rapid heat dissipation, the A35516-59PW1 prevents thermal throttling and component failure in automated CNC machinery and large-scale power conversion systems.

Supplemental Images

