

D17L-48PS1 Nidec 48VDC 172x51mm PWM Round Axial Fan Datasheet



Brand: Nidec

SKU: 739422894849

Category: Axial & Centrifugal Fans

Price: **\$89.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/d17l-48ps1-nidec-48vdc-172x51mm-pwm-round-axial-fan>

Product Description

The Nidec D17L-48PS1 is a robust axial fan engineered for critical thermal management in high-density server environments and industrial machinery. Featuring a high-efficiency DC motor and a precision ball bearing system, this unit delivers exceptional airflow while maintaining structural rigidity under high-speed operation. The aerodynamic impeller design is optimized to reduce thermal impedance, ensuring reliable heat dissipation for sensitive electronic components. With integrated PWM speed control, the fan allows for dynamic performance adjustments, balancing cooling efficiency with power consumption. Its 48VDC electrical architecture supports stable operation in telecommunications and enterprise-grade power systems.

Model Number: D17L-48PS1

Brand: Nidec

Product Type: Axial Fan

Rated Voltage: 48 VDC

Rated Current: 0.90 A

Power Consumption: 43.2 W

Rated Speed: 4800 RPM

Bearing Type: Ball Bearing

Dimensions: 172 mm x 51 mm

Frame Style: Full Round

Termination: 4-Wire

Speed Control: PWM

Cooling Application: Server/Industrial

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The D17L-48PS1 is specifically designed for deployment in enterprise server racks and telecommunications infrastructure where consistent high-volume airflow is mandatory. By effectively managing thermal loads in restricted spaces, the D17L-48PS1 prevents thermal throttling in high-performance computing clusters and network switches. This model is also suitable for cooling large-scale power inverters and CNC control cabinets requiring reliable continuous operation.

Supplemental Images

