

XV17L48BS1A5-07 Nidec 48VDC 172x51mm Inverter Axial Fan Datasheet



Brand: Nidec

SKU: [994557947197](#)

Category: Axial & Centrifugal Fans

Price: **\$37.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/xv17l48bs1a5-07-nidec-48vdc-172x51mm-inverter-axial-fan>

Product Description

The Nidec XV17L48BS1A5-07 is a high-static pressure axial fan engineered for critical thermal management in industrial power electronics. Featuring a robust DC motor architecture paired with a dual ball bearing system, this unit delivers exceptional rotational stability and extended service life under continuous operation. The aerodynamic blade design minimizes turbulence while maximizing air throughput, effectively lowering thermal impedance in high-density enclosures. Its structural rigidity and electromagnetic compatibility make it a preferred choice for variable frequency drives and complex automation systems.

Model Number: XV17L48BS1A5-07

Brand: Nidec

Product Type: DC Axial Fan

Rated Voltage: 48VDC

Voltage Range: 36.0 - 56.0 VDC

Rated Current: 1.54 A

Power Input: 73.9 W

Rated Speed: 3800 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 295.0 CFM (501.2 m³/h)

Max. Static Pressure: 26.5 mmH₂O (260 Pa / 1.04 inH₂O)

Dimensions: 172mm x 150mm x 51mm

Frame Material: Die-Cast Aluminum

Impeller Material: Thermoplastic PBT (UL94V-0)

Noise Level: 62.0 dB(A)

Life Expectancy: 70,000 Hours at 40°C

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Termination: Lead Wires

Ingress Protection: IP20

Safety Certifications: UL, cUL, TUV, CE

Weight: 850 g

Designed for rigorous thermal regulation, the XV17L48BS1A5-07 is essential for maintaining the operational integrity of high-power variable frequency drives (VFDs) and industrial inverters, specifically within Inovance systems. This fan is also widely utilized in telecommunication rectifiers, server rack cooling modules, and CNC control cabinets where consistent airflow is mandatory. Integrating the XV17L48BS1A5-07 ensures rapid heat dissipation in enclosed power conversion equipment, preventing thermal throttling and extending component lifespan.

Supplemental Images

