XV17L42BS1MA5-07E12 Nidec 42VDC 172mm Inverter Axial Fan Datasheet

Brand: Nidec

SKU: 1010745945448

Category: Axial & Centrifugal Fans

Price: **$177.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/xv17l42bs1ma5-07e12-nidec-42vdc-172mm-inverter-axial-fan

Product Description

The Nidec XV17L42BS1MA5-07E12 is a specialized DC Axial Fan engineered for critical thermal management in variable frequency drives and industrial inverters. Utilizing a precision-machined Dual Ball Bearing architecture, this unit offers superior structural rigidity and reduced rotational friction, significantly lowering thermal impedance during continuous operation. The aerodynamic impeller design is optimized to deliver high static pressure, ensuring effective heat dissipation through dense heatsink fins. Built with a robust die-cast aluminum frame, the fan withstands harsh industrial environments while maintaining stable performance parameters, making it an ideal solution for systems requiring long-term reliability and consistent airflow delivery.

Model Number: XV17L42BS1MA5-07E12
Brand: Nidec
Product Type: DC Axial Fan
Rated Voltage: 42 VDC
Bearing Type: Dual Ball Bearing
Dimensions: 172mm x 150mm x 51mm
Frame Material: Aluminum Die-Cast
Impeller Material: Thermoplastic (UL94V-0)
Airflow Direction: Exhaust over struts
Termination: Lead Wires

Mounting Type: Flange Mount
Application: Inverter/VFD Cooling
Operating Temperature: -10°C to +70°C
Condition: New

The XV17L42BS1MA5-07E12 is primarily deployed in high-power industrial electronics, specifically serving as a critical cooling component for variable frequency drives (VFDs) and heavy-duty power inverters. Its robust construction makes it suitable for CNC machinery control cabinets and server rack ventilation systems where sustained airflow is mandatory. Engineers frequently select the XV17L42BS1MA5-07E12 for retrofitting legacy cooling systems in telecommunications equipment, ensuring reliable heat extraction from sensitive power semiconductors and capacitor banks.

Supplemental Images