X17L50BS2M3-07 Nidec 50VDC 172mm PWM Axial Fan Datasheet

Brand: Nidec

SKU: 953437936024

Category: Axial & Centrifugal Fans

Price: **$29.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page: https://www.equipspares.com/product/x17l50bs2m3-07-nidec-50vdc-172mm-pwm-axial-fan

Product Description

The Nidec X17L50BS2M3-07 is a high-performance Axial Fan engineered for extreme industrial environments requiring substantial thermal dissipation. Belonging to the renowned UltraFlo series, this unit utilizes a robust 50VDC motor architecture paired with precision Dual Ball Bearings to ensure longevity under continuous high-load operations. The aerodynamic design features a durable metal housing that enhances structural rigidity while optimizing airflow dynamics to minimize thermal impedance. With a high rotational speed of 7200 RPM and PWM control capabilities, this cooling solution delivers exceptional performance for critical systems where reliability and airflow density are paramount.

Model Number: X17L50BS2M3-07
Brand: Nidec
Product Type: Axial Fan
Series: UltraFlo
Rated Voltage: 50 VDC
Voltage Range: 40.0 - 56.0 VDC
Rated Current: 3.12 A
Input Power: 156.0 W
Rated Speed: 7200 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 530.0 CFM (900.5 m^3/h / 15.01 m^3/min)

Max. Static Pressure: 110.0 mmH_2O (1078.7 Pa / 4.33 inH_2O)
Dimensions: 172 mm x 150 mm x 51 mm
Weight: 850 g
Housing Material: Metal (Die-Cast Aluminum)
Impeller Material: Reinforced Plastic (UL94V-0)
Termination: 4-Wire Leads
Speed Control: PWM (Pulse Width Modulation)
Ingress Protection: IP54 (Estimated)
Operating Temperature: -10°C ~ +70°C
Storage Temperature: -40°C ~ +75°C
Life Expectancy: 70,000 Hours @ 40°C

Designed for rigorous thermal management, the X17L50BS2M3-07 is frequently deployed in high-density server racks, telecommunications base stations, and industrial automation enclosures. Its robust metal construction makes the X17L50BS2M3-07 ideal for CNC machinery, rectifiers, and high-power supply units where consistent high-volume airflow is necessary to prevent component overheating and ensure system stability.

Supplemental Images