D1225C12B7ZP-62 Nidec 12VDC 120x120x25mm PWM Axial Fan Datasheet

Brand: Nidec

SKU: 941111601092

Category: Axial & Centrifugal Fans

Price: **$25.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/d1225c12b7zp-62-nidec-12vdc-120x120x25mm-pwm-axial-fan

Product Description

The Nidec D1225C12B7ZP-62 is a precision-engineered Axial Fan designed for critical thermal management applications requiring high static pressure and low acoustic signatures. Utilizing advanced Double Ball Bearing architecture, this unit ensures exceptional structural rigidity and minimized friction for extended operational lifespans. The aerodynamic impeller design optimizes airflow dynamics, reducing thermal impedance in dense electronic enclosures. Integrated PWM pulse width modulation allows for precise speed regulation, balancing cooling performance with energy efficiency. The robust frame construction mitigates vibrational resonance, ensuring stability under variable load conditions.

Model Number: D1225C12B7ZP-62
Brand: Nidec
Product Type: Axial Fan
Rated Voltage: 12 VDC
Voltage Range: 10.2 - 13.8 VDC
Rated Current: 0.22 A
Power: 2.64 W
Rated Speed: 2150 RPM
Bearing Type: Double Ball Bearing
Max. Air Flow: 62.23 CFM (105.7 m^3/h / 1.76 m^3/min)

Max. Static Pressure: 2.8 mmH_2O (27.4 Pa / 0.11 inH_2O)
Dimensions: 120 x 120 x 25 mm
Weight: 200 g
Life Expectancy: 100,000 Hours @ 35°C
Speed Control: PWM (Pulse Width Modulation)
Termination: 4-Wire Lead
Housing Material: PBT (UL94V-0)
Impeller Material: ABS Plastic
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Noise Level: 28.0 dB(A)
Mounting Orientation: Any

The D1225C12B7ZP-62 is engineered for high-reliability environments such as server racks, telecommunications cabinets, and precision medical instrumentation. Its optimized pressure curve makes the D1225C12B7ZP-62 particularly effective for forcing air through restrictive heatsinks and radiators found in industrial workstations and automated manufacturing equipment.

Supplemental Images