D1225C12B8AS-00 Nidec 12VDC 120x120x25mm 4-Wire Axial Fan Datasheet

Brand: Nidec

SKU: 1018605407091

Category: Axial & Centrifugal Fans

Price: **$35.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/d1225c12b8as-00-nidec-12vdc-120x120x25mm-4-wire-axial-fan

Product Description

The Nidec D1225C12B8AS-00 is a precision-engineered DC Axial Fan designed for critical thermal management applications requiring sustained reliability and high-efficiency airflow. Utilizing advanced dual ball bearing architecture, this unit minimizes frictional coefficients to enhance longevity and maintain rotational stability under continuous operation. The aerodynamic impeller geometry is optimized to deliver high static pressure while mitigating turbulence-induced acoustic signatures. Operating at a nominal 12VDC with a current draw of 0.35A, the D1225C12B8AS-00 integrates a 4-wire interface, facilitating precise speed control and signal monitoring via PWM or Tachometer functions. Its robust chassis construction ensures structural rigidity, effectively reducing vibration transmission and lowering overall thermal impedance within high-density electronic enclosures.

Model Number: D1225C12B8AS-00
Brand: Nidec Corporation
Product Type: DC Axial Fan
Rated Voltage: 12 VDC
Voltage Range: 7.0 - 13.8 VDC
Rated Current: 0.35 A
Input Power: 4.20 W
Rated Speed: 2600 RPM

Bearing Type: Dual Ball Bearing
Max. Air Flow: 88.0 CFM (149.5 m^3/h / 2.49 m^3/min)
Max. Static Pressure: 4.20 mmH_2O (41.19 Pa / 0.16 inH_2O)
Dimensions: 120 x 120 x 25 mm
Weight: 160 g
Life Expectancy: 70,000 Hours (L10 at 40°C)
Termination: 4-Wire Lead Wires
Speed Control: PWM / Tachometer Signal
Noise Level: 39.0 dB(A)
Housing Material: PBT Plastic (UL94V-0)
Impeller Material: PBT Plastic (UL94V-0)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Mounting Orientation: Any

The D1225C12B8AS-00 is engineered for deployment in demanding industrial and commercial environments where consistent airflow is paramount. Common integration points include server rack enclosures, telecommunications cabinets, and precision medical instrumentation requiring stable thermal regulation. The D1225C12B8AS-00 is also frequently utilized in automated manufacturing equipment and power supply units, providing efficient heat dissipation to protect sensitive components from thermal throttling or failure. Its 4-wire configuration makes it particularly suitable for systems requiring dynamic speed adjustment based on real-time temperature monitoring.

Supplemental Images