D1225C12B6ZPAB1 Nidec 12VDC 120mm Axial Fan Datasheet

Brand: Nidec

SKU: 844213267414

Category: Axial & Centrifugal Fans

Price: **$53.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page: https://www.equipspares.com/product/d1225c12b6zpab1-nidec-12vdc-120mm-axial-fan

Product Description

The Nidec D1225C12B6ZPAB1 is a high-precision DC axial fan from the renowned Gentle Typhoon series, engineered for applications requiring an optimal balance of static pressure and acoustic refinement. Utilizing a sophisticated brushless DC motor architecture, this unit minimizes electromagnetic interference while maximizing structural rigidity through its specialized resin housing and blade geometry. The aerodynamic profile is specifically tuned to reduce tonal noise and thermal impedance in high-resistance environments. Its dual ball bearing system ensures long-term rotational stability and consistent performance across a wide range of operating temperatures, making it a premier choice for mission-critical cooling.

Model Number: D1225C12B6ZPAB1
Brand: Nidec Servo
Product Type: DC Axial Fan
Rated Voltage: 12VDC
Voltage Range: 10.2 - 13.8 VDC
Rated Current: 0.13A
Power: 1.56W
Rated Speed: 2150 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 58.3 CFM (99.1 m^3/h)
Max. Static Pressure: 2.84 mmH_2O (27.9 Pa)

Dimensions: 120x120x25mm
Weight: 200g
Life Expectancy: 100,000 Hours at 35°C
Speed Control: PWM (Pulse Width Modulation)
Monitoring Output: Tachometer / Frequency Generator
Noise Level: 28.0 dBA
Housing Material: Plastic (UL94V-0)
Blade Material: Plastic (UL94V-0)
Termination: 4-Pin Lead Wires
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Protection Features: Locked Rotor Protection, Reverse Polarity Protection
Certifications: CE, TUV, UL, RoHS

The D1225C12B6ZPAB1 is primarily utilized in high-density computing environments and liquid cooling radiator setups where silent operation is paramount. Given its unique blade design, the D1225C12B6ZPAB1 excels in pushing air through restrictive heat sinks and server enclosures without generating significant turbulence. It is also frequently integrated into medical imaging equipment and telecommunications hardware that require precise thermal management. The reliability of the D1225C12B6ZPAB1 makes it a standard component for industrial workstations and high-end audio-visual cooling systems.

Supplemental Images


Nidec
NIDEC ADVANCED MOTOR CORP.
D1225C12B6ZPAB1
DC12V
0.13A
MADE IN VIETNAM
3I05