D1225C12B6ZPA90 Nidec 12VDC 0.13A 120x120x25mm Axial Fan Datasheet

Brand: Nidec

SKU: 944898518563

Category: Axial & Centrifugal Fans

Price: **$25.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/d1225c12b6zpa90-nidec-12vdc-0-13a-120x120x25mm-axial-fan

Product Description

The Nidec D1225C12B6ZPA90 is a high-precision Axial Fan engineered for critical thermal management applications requiring an optimal balance between airflow and acoustic performance. Belonging to the renowned Gentle Typhoon series, this unit utilizes advanced aerodynamic blade geometry to minimize turbulence and maximize static pressure against high thermal impedance. The motor assembly features a robust Japanese Dual Ball Bearing system, ensuring exceptional structural rigidity and a service life exceeding 60,000 hours under continuous operation. Integrated PWM pulse width modulation allows for dynamic speed regulation, enabling precise thermal control while maintaining energy efficiency in demanding industrial environments.

Model Number: D1225C12B6ZPA90
Brand: Nidec Servo
Product Type: Axial Fan
Series: Gentle Typhoon
Rated Voltage: 12 VDC
Voltage Range: 10.2 - 13.8 VDC
Rated Current: 0.13 A
Input Power: 1.56 W
Rated Speed: 2150 RPM
Bearing Type: Dual Ball Bearing

Max. Air Flow: 68.0 CFM (115.5 m^3/h / 1.92 m^3/min)
Max. Static Pressure: 2.32 mmH_2O (22.75 Pa / 0.09 inH_2O)
Dimensions: 120 x 120 x 25 mm
Weight: 200 g
Noise Level: 28.0 dBA
Life Expectancy: 60,000 Hours at 60°C
Speed Control: PWM (Pulse Width Modulation)
Signal Output: Tachometer (FG)
Ingress Protection: IP54 (Standard Industrial)
Insulation Class: Class A
Housing Material: PBT (UL94V-0)
Impeller Material: ABS Plastic
Termination: 4-Wire Lead
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Mounting Orientation: Any
Certifications: CE, RoHS, UL, TUV

This cooling solution is specifically designed for high-density electronic enclosures such as server racks and telecommunications cabinets where sustained airflow is critical. The D1225C12B6ZPA90 excels in restricted spaces like CNC control panels and medical instrumentation, providing reliable heat dissipation without introducing excessive vibration. System integrators frequently deploy the D1225C12B6ZPA90 in workstation chassis and industrial automation setups to ensure component longevity through consistent thermal regulation.

Supplemental Images