

D1225C24BBAZ-00 Nidec 24VDC 120x120x25mm 0.58A Axial Fan Datasheet



Brand: Nidec

SKU: [985663848575](#)

Category: Axial & Centrifugal Fans

Price: **\$22.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/d1225c24bbaz-00-nidec-24vdc-120x120x25mm-0-58a-axial-fan>

Product Description

The Nidec D1225C24BBAZ-00 is a robust DC Axial Fan engineered for high-impedance industrial cooling applications requiring substantial airflow and static pressure. This unit utilizes a precision-wound 24VDC motor architecture paired with a durable double ball bearing system, ensuring reduced friction coefficient and extended operational lifespan under continuous load. The aerodynamic impeller design optimizes the P-Q curve to deliver efficient thermal exchange while maintaining structural rigidity. The fan features a flame-retardant housing and is specifically calibrated to manage thermal loads in restricted environments where consistent air volume is critical for component reliability.

Model Number: D1225C24BBAZ-00

Brand: Nidec

Product Type: DC Axial Fan

Rated Voltage: 24VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.58 A

Power Consumption: 13.92 W

Rated Speed: 3400 RPM

Bearing Type: Double Ball Bearing

Max. Air Flow: 130.0 CFM (220.8 m³/h / 3.68 m³/min)

Max. Static Pressure: 10.16 mmH₂O (99.63 Pa / 0.40 inH₂O)

Dimensions: 120 x 120 x 25 mm

Weight: 240 g

Life Expectancy: 70,000 Hours at 40°C

Termination: 2-Wire Lead (Red +, Black -)

Frame Material: PBT (UL94V-0)

Impeller Material: PBT (UL94V-0)

Noise Level: 48.5 dBA

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP20

Insulation Resistance: 10M Ohm at 500VDC

Dielectric Strength: 500VAC for 1 min

Direction of Rotation: Counter-clockwise (viewed from front)

Airflow Direction: Strut Side (Exhaust)

The D1225C24BBAZ-00 is widely utilized in mission-critical hardware such as server rack enclosures, telecommunications base stations, and industrial automation control panels. Its high static pressure capabilities make the D1225C24BBAZ-00 particularly effective for forcing air through dense heatsinks or restricted chassis in power supply units and medical instrumentation, ensuring optimal thermal regulation during peak operation.