

D09T-20BS2 Nidec 20VDC 90x90x25mm Cooling Axial Fan Datasheet



Brand: Nidec

SKU: [968630029958](#)

Category: Axial & Centrifugal Fans

Price: **\$12.99**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/d09t-20bs2-nidec-20vdc-90x90x25mm-cooling-axial-fan>

Product Description

The Nidec D09T-20BS2 is a precision-engineered DC axial fan designed for critical thermal management applications requiring consistent airflow and structural rigidity. Utilizing advanced brushless DC motor technology, this unit optimizes aerodynamic efficiency to minimize thermal impedance within high-density electronic enclosures. The construction features a durable frame and balanced impeller system, ensuring low vibration and extended operational service life. Engineered for industrial reliability, the D09T-20BS2 maintains stable performance parameters under continuous load, making it an essential component for maintaining optimal operating temperatures in sensitive hardware environments.

Model Number: D09T-20BS2

Brand: Nidec Corporation

Product Type: Axial Cooling Fan

Rated Voltage: 20VDC

Voltage Range: 14.0 - 22.0 VDC

Rated Current: 0.12 A

Power Consumption: 2.40 W

Rated Speed: 2800 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 48.5 CFM (82.4 m³/h / 1.37 m³/min)

Max. Static Pressure: 3.8 mmH₂O (37.2 Pa / 0.15 inH₂O)

Dimensions: 90 x 90 x 25 mm

Weight: 95 g

Life Expectancy: 60,000 Hours at 40°C

Noise Level: 34.0 dB(A)

Housing Material: Polybutylene Terephthalate (PBT) (UL94V-0)

Impeller Material: Polybutylene Terephthalate (PBT) (UL94V-0)

Termination: 2-Wire Lead

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP40

Insulation Resistance: 10M Ohm at 500VDC

Dielectric Strength: 500VAC for 1 Minute

Motor Protection: Impedance Protected; Reverse Polarity Protection

Mounting Orientation: Any

Certifications: UL, CSA, TUV, RoHS Compliant

This cooling solution is widely utilized in industrial automation systems, server rack cooling modules, and precision medical instrumentation where reliable heat dissipation is mandatory. The D09T-20BS2 excels in telecommunications equipment and power supply units, providing the necessary airflow to prevent thermal throttling. Integrators frequently select the D09T-20BS2 for CNC machinery control panels and network switchgear, ensuring component longevity through effective thermal regulation.

Supplemental Images

