

# G10D12BS10AZ-56Z993 Nidec 12VDC 90x90x32mm Blower Datasheet



**Brand:** Nidec

**SKU:** [987618286184](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$8.99**

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Product Page:

<https://www.equipspares.com/product/g10d12bs10az-56z993-nidec-12vdc-90x90x32mm-blower>

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## Product Description

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The Nidec G10D12BS10AZ-56Z993 is a Blower engineered for high-demand industrial cooling applications requiring superior structural rigidity and precise thermal management. This unit utilizes a sophisticated DC motor architecture paired with a dual ball bearing system to minimize thermal impedance and extend operational longevity. Its aerodynamic impeller design is optimized for high static pressure generation, ensuring efficient airflow through dense system obstructions. The integration of PWM speed control and tachometer feedback allows for granular thermal regulation, while the UL94V-0 rated housing ensures compliance with stringent safety standards for flame retardancy and environmental resilience in mission-critical hardware environments.

Model Number: G10D12BS10AZ-56Z993

Brand: Nidec

Product Type: Blower

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 0.79A

Power: 9.48W

Rated Speed: 4200 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 28.2 CFM (47.9 m<sup>3</sup>/h / 0.80 m<sup>3</sup>/min)

Max. Static Pressure: 24.5 mmH<sub>2</sub>O (240.2 Pa / 0.96 inH<sub>2</sub>O)

Dimensions: 90x90x32mm

Weight: 190g

Life Expectancy: 70,000 Hours

Speed Control: PWM, Tachometer

Ingress Protection: IP54

Insulation Class: Class A

Noise Level: 52.0 dBA

Housing Material: Plastic (UL94V-0)

Blade Material: Plastic (UL94V-0)

Termination: 4-Wire Lead Wires

Operating Temperature: -10 to +70 C

Storage Temperature: -40 to +75 C

Mounting Orientation: Any

Certifications: UL, CE, RoHS

Protection Features: Locked Rotor Protection, Reverse Polarity Protection

The G10D12BS10AZ-56Z993 is specifically designed for integration into high-density server enclosures, telecommunications base stations, and medical diagnostic equipment where concentrated directional cooling is required. In industrial automation and CNC control cabinets, the G10D12BS10AZ-56Z993 provides the necessary static pressure to overcome internal resistance and maintain optimal operating temperatures for sensitive electronic components.

## Supplemental Images

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