

# D1238B48BAZP-00 SERVO 48VDC 120x120x38mm Axial Fan Datasheet



**Brand:** Nidec

**SKU:** [745746021030](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$26.99**

---

**E-mail:** [sales@equipspares.com](mailto:sales@equipspares.com)

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

Product Page:

<https://www.equipspares.com/product/d1238b48bazp-00-servo-48vdc-120x120x38mm-axial-fan>

---

## Product Description

---

The SERVO D1238B48BAZP-00 is a DC Axial Fan engineered for rigorous industrial thermal management applications requiring substantial static pressure and volumetric airflow. This unit utilizes a precision dual ball bearing architecture to ensure operational longevity and reduced frictional coefficients under continuous high-speed rotation. The aerodynamic impeller is housed within a structurally rigid 120mm frame, optimized to overcome high system impedance found in dense electronic enclosures. Operating at a nominal 48VDC with a power consumption of 26.88W, it delivers robust cooling performance essential for maintaining thermal equilibrium in power electronics. The fan features a thermoplastic PBT housing rated to UL94V-0 standards, ensuring fire safety and durability in harsh operating environments.

Model Number: D1238B48BAZP-00

Brand: SERVO (Nidec Servo)

Product Type: DC Axial Fan

Rated Voltage: 48VDC

Voltage Range: 28.0 - 56.0 VDC

Rated Current: 0.56 A

Power Consumption: 26.88 W

Rated Speed: 4200 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 160.0 CFM (271.8 m<sup>3</sup>/h / 4.53 m<sup>3</sup>/min)

Max. Static Pressure: 18.5 mmH<sub>2</sub>O (181.4 Pa / 0.73 inH<sub>2</sub>O)

Dimensions: 120x120x38mm

Weight: 330 g

Life Expectancy: 70,000 Hours at 40°C

Noise Level: 56.0 dB(A)

Housing Material: PBT (UL94V-0)

Impeller Material: PBT (UL94V-0)

Termination: Lead Wires

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP20

Safety Certifications: UL, cUL, TUV, CE

Motor Protection: Locked Rotor Protection, Reverse Polarity Protection

The D1238B48BAZP-00 is specifically designed for high-load applications such as variable frequency drive (VFD) inverters and large-scale power supplies where efficient heat dissipation is critical. Additionally, the D1238B48BAZP-00 serves effectively in telecommunications cabinets, server rack ventilation systems, and CNC machinery control panels, ensuring reliable operation of sensitive components by preventing thermal throttling in high-density configurations.

## Supplemental Images

---

