

# G1238C12B8ZP-C1 Nidec 12V DC Axial Fan 120mm

**SKU:** G1238C12B8ZP-C1

**Price:** \$15.04

**Categories:** Fans

**Tags:** Nidec

**Product Link:**

<https://www.electspares.com/product/g1238c12b8zp-c1-nidec-12v-dc-axial-fan-120mm/>

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## Product Description

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The Nidec G1238C12B8ZP-C1 is an extreme-performance DC Axial Fan with dimensions of 120 x 120 x 38 mm. It operates on a nominal voltage of 12 VDC. The fan achieves an ultra-high speed of 7000 RPM, consuming 22.2 W of power and drawing a maximum current of 1.85 A. It delivers a massive maximum air flow of 475.7 m<sup>3</sup>/h (280 CFM) and an extreme maximum static pressure of 610.9 Pa (2.45 inAq). This fan utilizes a durable Ball Bearing system and features a 5-blade impeller with four-wire termination for precise thermal management in high-density computing.

G1238C12B8ZP-C1 Fan Parameters

Model: G1238C12B8ZP-C1

Manufacturer: Nidec

Type: DC Axial Fan

Dimensions (measuring): 120 x 120 x 38 mm

Nominal Voltage: 12 VDC

Voltage Range: 7 VDC ~ 13.8 VDC

Speed: 7000 RPM

Power Consumption: 22.2 W

Current Draw: 1.85 A

Max. Airflow: 475.7 m<sup>3</sup>/h (280 CFM)

Max. Static Pressure: 610.9 Pa (2.45 inAq)

Noise Level: 65.5 dB(A)

Weight: 0.260 kg

Housing Material: Thermoplastic PBT, Glass Fiber Reinforced (UL94V-0)

Impeller Material: Thermoplastic PBT, Glass Fiber Reinforced (UL94V-0)

Number of Blades: 5

Bearing Type: Ball Bearing

Motor Design: Brushless DC Motor

Motor Protection: Locked Rotor Protection, Auto-Restart

Termination: 4 Wire Leads (PWM Input)

Monitor Output: Yes (Tachometer/FG, PWM Control)

Service Life L10 at 40 °C: 70000 h

Min. Ambient Temperature: -10 °C

Max. Ambient Temperature: 70 °C

Approvals: UL, CSA, TUV, CE

#### Application

The Nidec G1238C12B8ZP-C1 fan is strictly designed for mission-critical, high-heat applications that require the highest possible airflow and static pressure from a 12V DC source. Primary applications include cooling ASIC mining hardware, extreme density server racks, specialized data center equipment, and industrial systems demanding precise, aggressive cooling.

## Product Images

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Scan for product details:

