

DATA1225B2GPS44 AVC 12VDC 120x120x25mm PWM Axial Fan Datasheet



Brand: AVC

SKU: [680595446884](#)

Category: Axial & Centrifugal Fans

Price: **\$19.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/data1225b2gps44-avc-12vdc-120x120x25mm-pwm-axial-fan>

Product Description

The AVC DATA1225B2GPS44 is a high-performance Axial Fan engineered for environments requiring substantial airflow throughput and the ability to overcome significant system impedance. Operating on a robust DC motor platform with advanced Dual Ball Bearing architecture, this unit ensures long-term structural rigidity and rotational stability under continuous high-speed operation. The aerodynamic blade design is optimized to deliver a massive 148.9 CFM, making it exceptionally suitable for high-density thermal applications where heat flux is concentrated. Integrated PWM speed control allows for precise duty cycle management, effectively balancing thermal performance with energy consumption and acoustic signature. This 120mm chassis fan features a durable thermoplastic housing constructed to withstand demanding industrial conditions while maintaining optimal thermal impedance across the operating range.

Model Number: DATA1225B2GPS44

Brand: AVC (Asia Vital Components)

Product Type: Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 1.02 A

Power Input: 12.24 W

Rated Speed: 5400 RPM \pm 10%

Bearing Type: Dual Ball Bearing

Max. Air Flow: 148.9 CFM (252.98 m³/h / 4.21 m³/min)

Max. Static Pressure: 13.8 mmH₂O (135.3 Pa / 0.54 inH₂O)

Dimensions: 120 x 120 x 25 mm

Weight: 210 g

Life Expectancy: 70,000 Hours at 40°C

Speed Control: PWM (Pulse Width Modulation)

Signal Output: Tachometer (Frequency Generator)

Noise Level: 56.0 dB(A)

Frame Material: Thermoplastic PBT (UL94V-0)

Impeller Material: Thermoplastic PBT (UL94V-0)

Termination: 4-Wire Leads with Standard Connector

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Ingress Protection: IP40

Certifications: UL, CUL, TUV, CE

The DATA1225B2GPS44 is specifically deployed in high-performance computing scenarios where rapid heat dissipation is critical to system stability. Its robust design makes the DATA1225B2GPS44 ideal for cooling next-generation gaming consoles, dense server rack enclosures, ASIC miners, and industrial power supply units requiring forced convection to mitigate thermal throttling.