

# AGD12038B24H CROWN 24VDC 120x120x38mm PWM Axial Fan Datasheet



**Brand:** CROWN

**SKU:** [949868007495](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$19.99**

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Product Page:

<https://www.equipspares.com/product/agd12038b24h-crown-24vdc-120x120x38mm-pwm-axial-fan>

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## Product Description

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The CROWN AGD12038B24H is a high-efficiency DC axial fan engineered for demanding industrial thermal management. Utilizing advanced brushless DC motor technology and a robust bearing architecture, this unit delivers exceptional airflow while maintaining structural rigidity under high-speed operation. The design incorporates a 4-wire PWM speed control interface, allowing for precise thermal regulation and reduced energy consumption based on system load. With an IP55 ingress protection rating, the AGD12038B24H offers superior resistance to dust and moisture, ensuring operational reliability in harsh environments. Its aerodynamic blade profile is optimized to minimize thermal impedance, making it an ideal solution for critical cooling applications requiring sustained performance and durability.

Model Number: AGD12038B24H

Brand: CROWN

Product Type: DC Axial Fan

Rated Voltage: 24VDC

Operating Voltage Range: 14.0 - 27.6 VDC

Rated Current: 1.40 A

Input Power: 33.6 W

Rated Speed: 4500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 190.0 CFM (322.8 m<sup>3</sup>/h / 5.38 m<sup>3</sup>/min)  
Max. Static Pressure: 22.5 mmH<sub>2</sub>O (220.6 Pa / 0.88 inH<sub>2</sub>O)  
Dimensions: 120 x 120 x 38 mm  
Weight: 320 g  
Life Expectancy: 70,000 Hours at 40°C  
Speed Control: 4-Wire PWM  
Ingress Protection: IP55  
Noise Level: 58 dBA  
Housing Material: PBT Plastic (UL94V-0)  
Blade Material: PBT Plastic (UL94V-0)  
Termination: 4-Wire Leads  
Operating Temperature: -10°C to +70°C  
Storage Temperature: -40°C to +70°C  
Safety Certifications: CE, UL, TUV

Designed for high-density electronic environments, the AGD12038B24H is extensively utilized in variable frequency drives and heavy-duty power inverters where rapid heat dissipation is critical. This model excels in server rack cooling systems, telecommunications cabinets, and industrial automation control panels. The AGD12038B24H is also suitable for CNC machinery and medical instrumentation, providing the necessary airflow to prevent thermal throttling in sensitive components. Its robust construction ensures longevity in continuous-duty cycles typical of manufacturing and data center operations.

## Supplemental Images

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