

PIA120G12H-Q01-AB Foxconn 12VDC 120x120x25mm Axial Fan Datasheet



Brand: Foxconn

SKU: [976780566450](#)

Category: Axial & Centrifugal Fans

Price: **\$26.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/pia120g12h-q01-ab-foxconn-12vdc-120x120x25mm-axial-fan>

Product Description

The Foxconn PIA120G12H-Q01-AB is a high-amperage DC Axial Fan engineered for mission-critical thermal management in high-density computing environments. Utilizing a sophisticated brushless DC motor architecture, this unit is designed to minimize thermal impedance while maintaining structural rigidity under high rotational stress. The dual ball bearing system ensures long-term reliability and consistent performance across a wide operating temperature range. Its aerodynamic impeller design is optimized for high static pressure, making it an ideal solution for overcoming the airflow resistance typically found in densely packed server enclosures and industrial control systems.

Model Number: PIA120G12H-Q01-AB

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Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 6.00A

Power: 72.0W

Rated Speed: 6500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 210.5 CFM (357.6 m³/h)

Max. Static Pressure: 32.4 mmH₂O (317.7 Pa)

Dimensions: 120mm x 120mm x 25mm

Weight: 290g

Life Expectancy: 70,000 Hours at 40°C

Speed Control: PWM Signal / Tachometer Output

Noise Level: 64.5 dB(A)

Housing Material: Plastic (UL94V-0)

Blade Material: Plastic (UL94V-0)

Termination: 4-Wire Lead Wires

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Protection Features: Locked Rotor Protection, Reverse Polarity Protection

Certifications: CE, TUV, UL Recognized

This high-performance cooling solution is primarily deployed in enterprise-grade server chassis and telecommunications infrastructure where heat dissipation is critical. The PIA120G12H-Q01-AB is frequently integrated into rack-mount systems and high-end workstations to prevent component throttling. Due to its robust 6.00A power profile, the PIA120G12H-Q01-AB is also suitable for industrial CNC controllers and medical imaging equipment requiring consistent, high-velocity airflow.

Supplemental Images

