

PIA080K12S-P62-AB Foxconn 12VDC 80x80x38mm 5.00A Axial Fan Datasheet



Brand: Foxconn

SKU: [673763943395](#)

Category: Axial & Centrifugal Fans

Price: **\$22.99**

E-mail: sales@equipspares.com

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

Product Page:

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Product Description

The Foxconn PIA080K12S-P62-AB is a high-performance DC axial fan engineered for mission-critical thermal management in high-density server environments. Utilizing advanced brushless DC motor technology and a precision-balanced impeller, this unit delivers exceptional airflow capabilities required to overcome high system impedance. The design incorporates a robust housing structure to maintain structural rigidity under high rotational speeds, ensuring long-term reliability. With a power rating of 60W, it is optimized for rapid heat dissipation, featuring specialized bearing architecture to mitigate friction and enhance operational lifespan while maintaining thermal stability under heavy load conditions.

Model Number: PIA080K12S-P62-AB

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Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 5.00 A

Power Consumption: 60.00 W

Rated Speed: 11000 RPM

Max. Air Flow: 155.0 CFM (263.3 m³/h / 4.39 m³/min)

Max. Static Pressure: 58.4 mmH₂O (572.7 Pa / 2.30 inH₂O)

Dimensions: 80 x 80 x 38 mm
Bearing Type: Dual Ball Bearing
Noise Level: 66.5 dB-A
Speed Control: PWM (Pulse Width Modulation)
Termination: 4-Wire Leads with Connector
Housing Material: PBT Plastic (UL94V-0)
Impeller Material: PBT Plastic (UL94V-0)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Life Expectancy: 70,000 Hours at 40°C
Ingress Protection: IP20
Weight: 210 g

Designed for high-static pressure environments, the PIA080K12S-P62-AB is predominantly utilized in enterprise-grade server racks and blade chassis where dense component packing restricts natural airflow. The high rotational speed and torque make the PIA080K12S-P62-AB ideal for forced convection in cryptocurrency mining rigs, industrial power supply units, and telecommunications base stations requiring rapid thermal exchange. Its robust profile also suits specialized protective suit ventilation systems and high-performance workstation cooling solutions.

Supplemental Images

