

PLA12025S12L Power Logic 12VDC 120x120x25mm Axial Fan Datasheet



SKU: [910152950281](#)

Category: Axial & Centrifugal Fans

Price: **\$7.99**

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Product Page:

<https://www.equipspares.com/product/pla12025s12l-power-logic-12vdc-120x120x25mm-axial-fan>

Product Description

The Power Logic PLA12025S12L is a specialized DC Axial Fan engineered for applications requiring low acoustic signatures and consistent volumetric airflow. Utilization of a sintered sleeve bearing architecture ensures a reduced friction coefficient and optimized thermal impedance during continuous operation. The aerodynamic blade geometry is designed to balance static pressure with airflow delivery, maintaining structural rigidity under load. This unit features a brushless DC motor with an integrated tachometer output signal, facilitating precise speed monitoring and regulation within thermal management systems.

Model Number: PLA12025S12L

Brand: Power Logic

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 10.8 - 13.2 VDC

Rated Current: 0.12 A

Input Power: 1.44 W

Rated Speed: 1500 RPM

Bearing Type: Sleeve Bearing

Max. Air Flow: 51.2 CFM (87.0 m³/h / 1.45 m³/min)

Max. Static Pressure: 1.65 mmH₂O (16.18 Pa / 0.06 inH₂O)

Dimensions: 120 x 120 x 25 mm

Weight: 140 g

Life Expectancy: 30,000 Hours at 40°C

Speed Control: Tachometer Output (3-Wire)

Noise Level: 24.0 dB-A

Housing Material: Polybutylene Terephthalate (PBT) UL94V-0

Impeller Material: Polybutylene Terephthalate (PBT) UL94V-0

Ingress Protection: IP40

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Termination: 3-Lead Wire

Certifications: CE, UL, TUV

Designed for precision cooling, the PLA12025S12L is frequently deployed in low-noise computing environments, including workstation CPU cooling and graphics card thermal regulation. Its acoustic profile makes it ideal for home theater PC (HTPC) setups and quiet rack-mount chassis solutions. Additionally, the PLA12025S12L serves effectively in auxiliary electronics cooling, such as power supply units and telecommunications equipment where vibration and noise dampening are critical operational parameters.