

PY-1225H12S POWERYEAR 12VDC 120x120x25mm DC Axial Fan Datasheet



SKU: [940981126991](#)

Category: Axial & Centrifugal Fans

Price: **\$6.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/py-1225h12s-poweryear-12vdc-120x120x25mm-dc-axial-fan>

Product Description

The POWERYEAR PY-1225H12S is a precision-engineered DC axial fan designed for optimal thermal management in electronic enclosures and chassis systems. Utilizing a robust sleeve bearing architecture, this unit ensures consistent rotational stability while minimizing mechanical friction during operation. The aerodynamic impeller design is calibrated to deliver high volumetric airflow, effectively reducing thermal impedance within high-density component arrays. Constructed with durable thermoplastic housing, the PY-1225H12S maintains structural rigidity under continuous load, making it a reliable solution for maintaining equilibrium in critical hardware environments requiring efficient heat dissipation.

Model Number: PY-1225H12S

Brand: POWERYEAR

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 0.35 A

Power Consumption: 4.20 W

Rated Speed: 2400 RPM

Bearing Type: Sleeve Bearing

Max. Air Flow: 78.50 CFM (133.37 m³/h / 2.22 m³/min)

Max. Static Pressure: 3.50 mmH₂O (34.32 Pa / 0.14 inH₂O)

Dimensions: 120 x 120 x 25 mm

Weight: 150 g

Noise Level: 38.5 dBA

Housing Material: PBT Thermoplastic (UL94V-0)

Impeller Material: PBT Thermoplastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Termination: 2-Wire Leads

Mounting Orientation: Vertical/Horizontal

The PY-1225H12S is engineered for deployment in diverse thermal regulation scenarios, specifically within computer chassis and server rack enclosures where consistent airflow is paramount. Its profile allows for seamless integration into industrial automation cabinets and power supply cooling banks, ensuring critical components remain within safe operating temperature ranges. The PY-1225H12S is also frequently utilized in telecommunications equipment and custom ventilation projects, providing a balance of static pressure and airflow volume to mitigate heat accumulation in restricted spaces.

Supplemental Images

