

PF92251V3-D060-S99 SUNON 12VDC 0.18A 92x92x25mm Axial Fan Datasheet



Brand: SUNON

SKU: [690462379770](#)

Category: Axial & Centrifugal Fans

Price: **\$37.99**

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Product Page:

<https://www.equipspares.com/product/pf92251v3-d060-s99-sunon-12vdc-0-18a-92x92x25mm-axial-fan>

Product Description

The SUNON PF92251V3-D060-S99 is a precisely engineered axial fan designed for critical thermal management in high-density projection equipment and industrial electronics. This fan utilizes SUNON's proprietary MagLev (magnetic levitation) motor technology and Vapo bearing system, eliminating physical contact between the shaft and bearings, significantly reducing friction, vibration, and noise while extending lifespan. Its aerodynamic impeller design optimizes static pressure output, ensuring efficient airflow through the dense heat sinks in the optical engine. With its robust structural rigidity and low thermal resistance, this 12VDC cooling solution remains stable even under continuous load, making it ideal for sensitive electronic environments requiring consistent high-performance cooling to ensure optimal operating temperatures.

Model: PF92251V3-D060-S99

Brand: SUNON

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 6.0-13.8VDC

Power Consumption: 2.21W

Rated Current: 0.18A

Rated Speed: 3900RPM

Bearing Type: Magnetic Levitation Bearing

Maximum Airflow: 65.0CFM (110.4m³/h)
Static Pressure: 0.25 inH₂O (62.2 Pa)
Dimensions: 92mm x 92mm x 25mm
Noise Level: 40.0 dBA
Lifespan: 60,000 hours at 40°C
Frame Material: Thermoplastic PBT (UL94V-0)
Blade Material: Thermoplastic PBT (UL94V-0)
Wiring Method: 4-wire lead (PWM/Tachometer)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Protection Rating: IP5X (Dustproof)
Safety Certifications: UL, CUR, TUV, CE
Motor Protection: Automatic Restart/Polarity Protection
Weight: 99g

This cooling unit is designed for high-performance projection systems and is a direct replacement for the PF92251V3-D060-S99 in Optoma X502, W502, and W512 series projectors. The fan effectively dissipates heat generated by high-lumen lamps and DLP chips, preventing overheating and shutdown during long presentations. In addition to projection equipment, the PF92251V3-D060-S99 is also suitable for applications requiring reliable, high-static pressure airflow to overcome ventilation path restrictions, such as compact server enclosures, industrial automation control panels, and telecommunications cabinets.

Supplemental Images

