

PF92251V1-000C-F99 Sunon 12VDC 92x92x25mm MagLev Axial Fan Datasheet



Brand: SUNON

SKU: [741408366093](#)

Category: Axial & Centrifugal Fans

Price: **\$14.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/pf92251v1-000c-f99-sunon-12vdc-92x92x25mm-maglev-axial-fan>

Product Description

The Sunon PF92251V1-000C-F99 is a high-efficiency DC Axial Fan engineered for critical thermal management applications requiring superior airflow density and reliability. Utilizing Sunon's proprietary MagLev Vapo bearing technology, this unit eliminates physical contact between the shaft and bearing, significantly reducing friction and noise while enhancing long-term operational lifespan. The rotor assembly features an optimized blade geometry designed to maximize static pressure and minimize thermal impedance within dense enclosures. Constructed with a durable thermoplastic frame, the fan ensures structural rigidity and consistent performance under continuous operation, making it an ideal solution for systems demanding robust cooling with precise failure detection via its integrated alarm signal.

Model Number: PF92251V1-000C-F99

Brand: Sunon

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Operating Voltage Range: 6.0 - 13.8 VDC

Rated Power: 4.70 W

Rated Current: 0.39 A

Rated Speed: 4500 RPM

Bearing Type: MagLev Vapo Bearing

Max. Air Flow: 75.0 CFM (127.4 m³/h / 2.12 m³/min)

Max. Static Pressure: 0.35 inH₂O (8.89 mmH₂O / 87.2 Pa)

Dimensions: 92 x 92 x 25 mm

Noise Level: 46.0 dB(A)

Life Expectancy: 70,000 Hours at 40°C

Termination: 3-Wire Lead (Red +, Black -, Yellow/White Alarm)

Output Signal: Failure Alarm (RD)

Housing Material: Thermoplastic PBT (UL94V-0)

Blade Material: Thermoplastic PBT (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Safety Protection: Auto Restart / Polarity Protection

Ingress Protection: IP Class Available upon request

Weight: 103 g

This high-performance cooling solution is specifically engineered for industrial and IT infrastructure, including server rack enclosures, telecommunications base stations, and high-wattage power supply units. The PF92251V1-000C-F99 excels in environments where consistent airflow is critical to prevent thermal throttling in sensitive electronic components. Additionally, the PF92251V1-000C-F99 is frequently utilized in CNC machinery control panels and medical instrumentation, where its failure alarm signal provides essential feedback for predictive maintenance and system safety.

Supplemental Images

