

MF92251V3-10000-A99 Sunon 12VDC 92x92x25mm MagLev Axial Fan Datasheet



Brand: SUNON

SKU: [990060524192](#)

Category: Axial & Centrifugal Fans

Price: **\$16.99**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/mf92251v3-10000-a99-sunon-12vdc-92x92x25mm-maglev-axial-fan>

Product Description

The Sunon MF92251V3-10000-A99 is a precision-engineered DC axial fan designed for applications requiring reliable thermal management with optimized acoustic performance. Utilizing Sunon's proprietary MagLev (Magnetic Levitation) motor technology, this unit eliminates physical contact between the shaft and bearing, significantly reducing friction and vibration while extending operational lifespan. The Vapo bearing system ensures consistent rotational stability and low noise output, making it ideal for sensitive electronic environments. Constructed with a durable thermoplastic PBT housing, the fan delivers efficient airflow dynamics, maintaining low thermal impedance across the system while ensuring structural rigidity under continuous operation.

Model Number: MF92251V3-10000-A99

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Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 4.5 - 13.8 VDC

Rated Current: 0.075 A

Power Consumption: 0.90 W

Rated Speed: 2400 RPM

Bearing Type: MagLev (Vapo Bearing)

Max. Air Flow: 39.5 CFM (67.1 m³/h / 1.12 m³/min)
Max. Static Pressure: 2.54 mmH₂O (24.91 Pa / 0.10 inH₂O)
Dimensions: 92x92x25mm
Weight: 92.0 g
Life Expectancy: 70,000 Hours at 40°C
Noise Level: 28.0 dB(A)
Housing Material: Thermoplastic PBT (UL94V-0)
Impeller Material: Thermoplastic PBT (UL94V-0)
Ingress Protection: IP5X (Dust Protected)
Insulation Class: Class A
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Termination: 2-Wire Lead (Red +, Black -)
Wire Gauge: 24 AWG
Motor Protection: Auto Restart / Polarity Protection
Dielectric Strength: 500VAC for 1 Minute
Certifications: UL, CUR, TUV, CE

This cooling solution is engineered for diverse industrial and commercial environments, including network communication cabinets, medical instrumentation, and power supply units where acoustic comfort is paramount. The MF92251V3-10000-A99 excels in compact server enclosures and desktop computing systems, providing consistent airflow to dissipate heat from critical components. Additionally, the MF92251V3-10000-A99 is frequently integrated into home automation devices and multimedia projectors, ensuring longevity and reliability in continuous duty cycles without compromising on silence.

Supplemental Images

