

# MB6025V1-000C-A99 SUNON 12VDC 60x60x25mm MagLev Axial Fan Datasheet



**Brand:** SUNON

**SKU:** [986139449466](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$11.99**

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**E-mail:** [sales@equipspares.com](mailto:sales@equipspares.com)

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

Product Page:

<https://www.equipspares.com/product/mb6025v1-000c-a99-sunon-12vdc-60x60x25mm-maglev-axial-fan>

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## Product Description

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The SUNON MB6025V1-000C-A99 is a precision-engineered DC axial fan designed for applications requiring a balance of airflow efficiency and 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 thermal impedance while extending operational lifespan. The Vapo bearing system ensures exceptional structural rigidity and stability at high rotational speeds. Engineered with a thermoplastic PBT housing and impeller, the fan delivers optimized aerodynamic throughput. Its robust construction makes it suitable for continuous duty cycles where reliability and vibration minimization are critical operational parameters.

Model Number: MB6025V1-000C-A99

Brand: SUNON

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 4.5 - 13.8 VDC

Rated Power: 1.50 W

Rated Current: 0.125 A

Rated Speed: 4500 RPM

Bearing Type: Vapo (MagLev)

Max. Air Flow: 23.5 CFM (39.9 m<sup>3</sup>/h / 0.66 m<sup>3</sup>/min)

Max. Static Pressure: 5.33 mmH<sub>2</sub>O (52.28 Pa / 0.21 inH<sub>2</sub>O)

Dimensions: 60x60x25mm

Weight: 56.0 g

Noise Level: 33.5 dB(A)

Life Expectancy: 60,000 Hours at 40°C

Frame Material: Thermoplastic PBT (UL94V-0)

Impeller Material: Thermoplastic PBT (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Termination: 2-Wire (Red +, Black -)

Wire Gauge: 26 AWG

Insulation Class: Class A

Safety Certifications: UL, CUR, TUV

Motor Protection: Auto Restart / Polarity Protection

The MB6025V1-000C-A99 is frequently integrated into compact electronic enclosures, network switches, and power supply units where consistent thermal management is mandatory. Due to its magnetic levitation technology, the MB6025V1-000C-A99 excels in server rack cooling modules and industrial automation equipment, providing reliable heat dissipation without the mechanical wear associated with traditional sleeve bearings. It is also widely utilized in medical instrumentation and telecommunications hardware requiring long-term stability.

## Supplemental Images

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