

# ME40101VX-000U-A99 SUNON 12VDC 40x40x10mm MagLev Axial Fan Datasheet



**Brand:** SUNON

**SKU:** [720636429040](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$9.99**

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Product Page:

<https://www.equipspares.com/product/me40101vx-000u-a99-sunon-12vdc-40x40x10mm-maglev-axial-fan>

## Product Description

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The SUNON ME40101VX-000U-A99 is a precision-engineered DC axial fan utilizing Sunon's proprietary MagLev (Magnetic Levitation) Vapo bearing technology. This advanced bearing architecture eliminates physical contact between the shaft and bearing, significantly reducing friction, vibration, and thermal impedance while extending operational lifespan. Designed for high-density electronic cooling, the unit features an optimized impeller geometry that maximizes static pressure and airflow efficiency within a compact 40mm footprint. The motor assembly is constructed with high-grade thermoplastic housing (UL94V-0), ensuring structural rigidity and resistance to environmental stress. With a power rating of 1.60W, this component delivers reliable thermal management for critical industrial and IT infrastructure.

Model Number: ME40101VX-000U-A99

Brand: SUNON

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 4.5 - 13.8 VDC

Rated Current: 0.133 A

Power Consumption: 1.60 W

Rated Speed: 8500 RPM  $\pm$ 15%

Bearing Type: Vapo (MagLev)

Max. Air Flow: 10.8 CFM (18.35 m<sup>3</sup>/h / 0.31 m<sup>3</sup>/min)  
Max. Static Pressure: 0.25 inH<sub>2</sub>O (6.35 mmH<sub>2</sub>O / 62.27 Pa)  
Dimensions: 40x40x10mm  
Weight: 17.0 g  
Life Expectancy: 60,000 Hours at 40°C  
Noise Level: 36.0 dB(A)  
Housing Material: Thermoplastic PBT (UL94V-0)  
Impeller Material: Thermoplastic PBT (UL94V-0)  
Ingress Protection: IP50  
Operating Temperature: -10°C to +70°C  
Storage Temperature: -40°C to +70°C  
Termination: 2-Wire (Red +, Black -)  
Wire Gauge: 26 AWG  
Motor Protection: Impedance Protected, Reverse Polarity  
Safety Certifications: UL, CUR, TUV, CE

The ME40101VX-000U-A99 is specifically engineered for compact electronic assemblies requiring efficient heat dissipation in constrained spaces. Common deployment environments include 1U server rack power supplies, network switches, and industrial automation controllers where reliability is paramount. The ME40101VX-000U-A99 is also frequently utilized in medical diagnostic equipment and portable instrumentation, ensuring stable operating temperatures for sensitive microprocessors. Its magnetic levitation system makes it ideal for applications demanding low vibration profiles to prevent interference with adjacent components.

## Supplemental Images

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