

# GC054509VH-A Sunon 5VDC 45x45x9mm MagLev Blower Datasheet



**Brand:** SUNON

**SKU:** [843276472167](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$16.99**

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Product Page:

<https://www.equipspares.com/product/gc054509vh-a-sunon-5vdc-45x45x9mm-maglev-blower>

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## Product Description

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The Sunon GC054509VH-A is a precision-engineered DC centrifugal blower designed for compact thermal management applications requiring high static pressure and directed airflow. Utilizing Sunon's proprietary MagLev Vapo bearing technology, this unit eliminates physical contact between the shaft and bearing during operation, significantly reducing friction and noise while enhancing structural rigidity and operational lifespan. The aerodynamic impeller design optimizes airflow delivery in restricted spaces, ensuring efficient heat dissipation and low thermal impedance. This 5VDC blower features a robust thermoplastic housing and is engineered to maintain consistent performance under continuous operation, making it an ideal solution for high-density electronic assemblies where reliability and component longevity are paramount.

Model Number: GC054509VH-A

Part Number: GC054509VH-A.13.V1.B3764.F.GN

Brand: Sunon

Product Type: DC Centrifugal Blower

Rated Voltage: 5VDC

Voltage Range: 4.0 - 6.0 VDC

Rated Current: 0.22 A

Power Consumption: 1.1 W

Rated Speed: 5500 RPM

Bearing Type: MagLev Vapo Bearing

Max. Air Flow: 2.3 CFM (3.9 m<sup>3</sup>/h / 0.065 m<sup>3</sup>/min)

Max. Static Pressure: 8.89 mmH<sub>2</sub>O (87.18 Pa / 0.35 inH<sub>2</sub>O)

Dimensions: 45 x 45 x 9 mm

Weight: 12.0 g

Life Expectancy: 60,000 Hours at 40°C

Noise Level: 30.0 dB(A)

Speed Control: F-Type (Frequency Generator/Tachometer Output)

Housing Material: Thermoplastic PBT (UL94V-0)

Impeller Material: Thermoplastic PBT (UL94V-0)

Ingress Protection: IP Class Standard

Insulation Class: Class A

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Termination: Lead Wires (UL1571, 28AWG)

Mounting Orientation: Any

Motor Protection: Auto Restart / Polarity Protection

Compliance: RoHS, GN (Green Product)

The GC054509VH-A is specifically calibrated for integration into compact electronic devices where space is at a premium and directed airflow is required to overcome high system impedance. Common deployment scenarios include cooling for ultra-mobile personal computers, micro-projectors, and handheld medical instrumentation. The GC054509VH-A ensures critical components remain within safe operating temperatures in server rack spot cooling and telecommunications equipment, providing reliable thermal regulation in confined chassis environments.

## Supplemental Images

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