

VG40561BX-000C-S9H SUNON 12VDC 40x40x56mm Dual Motor Fan Datasheet



Brand: SUNON

SKU: 756290309678

Category: Axial & Centrifugal Fans

Price: **\$16.99**

E-mail: sales@equipspares.com

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

Product Page:

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Product Description

The SUNON VG40561BX-000C-S9H is a high-performance dual-motor axial fan designed for extreme thermal management in density-critical environments. Engineered with a counter-rotating blade configuration, this unit maximizes static pressure capabilities while mitigating backflow, ensuring optimal airflow delivery through high-impedance systems. The 40x40x56mm frame houses two independent motors operating at 12VDC with a power rating of 16.80W, delivering exceptional rotational speeds up to 20,000 RPM. Utilizing precision ball bearing architecture, the fan ensures structural rigidity and long-term reliability under continuous load. Its aerodynamic design significantly reduces thermal impedance, making it an ideal solution for compact server chassis and specialized industrial cooling applications requiring aggressive heat dissipation.

Model Number: VG40561BX-000C-S9H

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Product Type: DC Axial Fan (Dual Motor / Counter-Rotating)

Rated Voltage: 12 VDC

Voltage Range: 10.2 - 13.8 VDC

Power Consumption: 16.80 W

Rated Current: 1.40 A

Rated Speed: 20000 RPM (Inlet) / 18000 RPM (Outlet)

Bearing Type: Precision Ball Bearing

Max. Air Flow: 32.5 CFM (55.2 m³/h / 0.92 m³/min)
Max. Static Pressure: 3.85 inH₂O (958 Pa / 97.7 mmH₂O)
Dimensions: 40 x 40 x 56 mm
Weight: 85 g
Life Expectancy: 70,000 Hours at 40°C
Noise Level: 68.0 dB(A)
Speed Control: PWM (Pulse Width Modulation)
Signal Output: Tachometer (Frequency Generator)
Housing Material: PBT (UL94V-0)
Impeller Material: PBT (UL94V-0)
Ingress Protection: IP51
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Termination: 4-Wire Lead (Red +, Black -, Yellow Tach, Blue PWM)
Motor Protection: Locked Rotor Protection; Polarity Protection
Insulation Class: Class A
Certifications: UL, CUR, TUV, CE

The VG40561BX-000C-S9H is specifically engineered for high-density server racks and blade servers where space is limited but cooling requirements are extreme. Its high static pressure capability makes the VG40561BX-000C-S9H suitable for forcing air through dense heatsinks in telecommunications equipment, network switches, and industrial power supplies. Additionally, this model serves effectively in precision medical devices and CNC machinery control units, providing reliable thermal regulation to prevent component throttling in mission-critical hardware environments.

Supplemental Images

