

# EG75051S1-C080-S9A Sunon 12VDC 75mm Blower Fan Datasheet



**Brand:** SUNON

**SKU:** 1028714993239

**Category:** Axial & Centrifugal Fans

**Price:** \$28.99

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Product Page: <https://www.equipspares.com/product/eg75051s1-c080-s9a-sunon-12vdc-75mm-blower-fan>

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## Product Description

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Sunon EG75051S1-C080-S9A is a 12VDC 75mm Blower Fan optimized for thermal management in ultra-thin computing environments where vertical clearance is restricted. The centrifugal impeller design generates concentrated static pressure, forcing air through dense fin stacks to prevent localized heat soak in high-wattage processors. By maintaining a consistent 0.45A current draw, this unit ensures stable thermal dissipation during peak computational loads. Integrated 4-wire PWM control allows for precise RPM modulation, ensuring the 75mm 12VDC Blower Fan adjusts dynamically to real-time thermistor data. This Blower Fan functionality is critical for maintaining system stability in compact enclosures where axial airflow is insufficient.

Model Number: EG75051S1-C080-S9A

Brand: Sunon

Product Type: Centrifugal Blower Fan

Rated Voltage: 12VDC

Voltage Range: 6.0 - 13.8 VDC

Rated Current: 0.45A

Power: 5.4W

Rated Speed: 4500 RPM

Bearing Type: MagLev / Vapo Bearing

Max. Air Flow: 8.5 CFM

Max. Static Pressure: 12.4 mmH<sub>2</sub>O

Dimensions: 75mm x 75mm x 5mm

Weight: 28g

Life Expectancy: 50,000 Hours at 40C

Speed Control: PWM (Pulse Width Modulation)

Feedback: Tachometer / Frequency Generator

Termination: 4-Pin Connector

Material: Thermoplastic PBT (UL94V-0)

Protection: Auto-Restart, Locked Rotor Protection

Operating Temperature: -10C to +70C

Storage Temperature: -40C to +70C

#### Applications & Industry Use Cases

1. Laptop Thermal Repair: Direct replacement fan for restoring factory cooling efficiency in slim notebooks.
2. 1U Server Blades: Compact blower geometry facilitates penetrating airflow through low-profile server components.
3. Industrial PLCs: Minimizing resonance in sealed control modules via precise centrifugal air displacement.
4. Telecom Edge Routing: Preventing heat soak in outdoor signal processing units with restricted ventilation.
5. Medical Imaging Tablets: Reliable thermal regulation for portable diagnostic equipment requiring silent, steady pressure.

## Supplemental Images

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