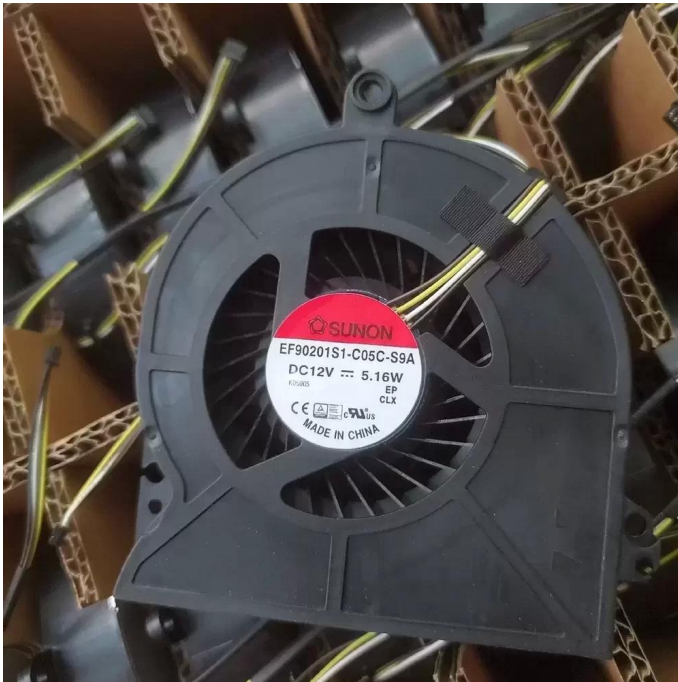


# EF90201S1-C05C-S9A Sunon 12VDC 90x90x20mm MagLev Blower Fan Datasheet



**Brand:** SUNON

**SKU:** [828070029797](#)

**Category:** Axial & Centrifugal Fans

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

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Product Page:

<https://www.equipspares.com/product/ef90201s1-c05c-s9a-sunon-12vdc-90x90x20mm-maglev-blower-fan>

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## Product Description

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The Sunon EF90201S1-C05C-S9A is a precision-engineered DC Blower Fan designed for high-static pressure applications requiring compact thermal management solutions. Utilizing Sunon's proprietary MagLev (Magnetic Levitation) motor technology, this unit eliminates physical contact between the shaft and bearing, significantly reducing friction, noise, and vibration while extending operational lifespan. The 90mm form factor features an optimized impeller geometry to maximize airflow efficiency within restricted enclosures. With a rated power of 5.16W and a 4-wire configuration supporting PWM speed control, it ensures dynamic thermal regulation, low thermal impedance, and superior structural rigidity for industrial and consumer electronics.

Model Number: EF90201S1-C05C-S9A

Brand: Sunon

Product Type: DC Blower Fan

Rated Voltage: 12 VDC

Voltage Range: 10.2 - 13.8 VDC

Power: 5.16 W

Rated Current: 0.43 A

Rated Speed: 3800 RPM (Reference)

Bearing Type: MagLev (Vapo Bearing)

Max. Air Flow: 24.5 CFM (41.6 m<sup>3</sup>/h / 0.69 m<sup>3</sup>/min)

Max. Static Pressure: 0.92 inH<sub>2</sub>O (229 Pa / 23.4 mmH<sub>2</sub>O)

Dimensions: 90 x 90 x 20 mm

Noise Level: 42.0 dB(A)

Termination: 4-Wire (PWM Control)

Wire Assignment: Red (+), Black (-), Yellow (Tach), Blue (PWM)

Housing Material: Thermoplastic PBT (UL94V-0)

Blade Material: Thermoplastic PBT (UL94V-0)

Operating Temperature: -10°C to +70°C

Life Expectancy: 70,000 Hours @ 40°C

Ingress Protection: IP5X (Dust Protected)

Safety Certifications: UL, CUR, TUV, CE

This high-performance blower is engineered for applications demanding concentrated airflow and high static pressure, such as multimedia projectors, server rack cooling modules, and compact industrial instrumentation. The EF90201S1-C05C-S9A excels in restricted spaces where directing air through heatsinks or exhaust ducts is critical. By integrating the EF90201S1-C05C-S9A into sensitive electronic assemblies, operators ensure reliable thermal dissipation and prolonged component longevity in continuous-duty environments.

## Supplemental Images

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