

# PF92251V1-1000C-S99 Sunon 12V 92x92x25mm DC Axial Fan

**SKU:** PF92251V1-1000C-S99

**Price:** \$16.29

**Categories:** Fans

**Tags:** SUNON

**Product Link:**

<https://www.electspares.com/product/pf92251v1-1000c-s99-sunon-12v-92x92x25mm-dc-axial-fan/>

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## Product Description

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The Sunon PF92251V1-1000C-S99 is a precision-engineered 92 mm DC axial fan designed for high-efficiency thermal management in compact industrial and networking enclosures. Operating on a 12 VDC supply with a power consumption of 4.68 W, this model utilizes Sunon's advanced VAPO bearing system to ensure long-term stability and minimal mechanical noise. The S99 configuration features a professional 4-wire interface, integrating PWM speed control and Tacho (FG) output for intelligent, system-monitored cooling performance. With a 75 CFM airflow capacity and 0.35 inH<sub>2</sub>O static pressure capability at 4500 RPM, it is optimized to provide effective air delivery in space-constrained, high-resistance environments such as server chassis and industrial power supplies. The housing and impeller are constructed from high-quality, UL 94V-0 grade flame-retardant plastic, and the unit supports S1 continuous operation across an ambient temperature range of -10 °C to +70 °C.

PF92251V1-1000C-S99 Fan Parameters

Model Number: PF92251V1-1000C-S99

Manufacturer: Sunon

Series: PF Series

Type: DC Axial Fan

Size: 92 mm

Dimensions: 92 x 92 x 25 mm

Weight: 106 g

Bearing Type: VAPO Bearing

Nominal Voltage: 12 VDC

Voltage Range: 6.0 - 13.8 VDC

Power Consumption: 4.68 W

Nominal Current: 0.39 A

Speed: 4500 RPM

Max. Air Flow: 75 CFM (127.5 m<sup>3</sup>/h / 2.12 m<sup>3</sup>/min)

Max. Static Pressure: 8.89 mmH<sub>2</sub>O (87.2 Pa / 0.35 inAq)

Sound Pressure Level: 45.5 dB(A)

Motor Design: Brushless DC motor

Motor Protection: Auto-restart; Polarity protection

Technical Features: PWM speed control; Tacho output (FG signal); Soft start

Insulation Class: Class A

Electrical Hookup: 4-wire lead wires (Red: +, Black: -, Yellow: FG, Blue: PWM)

Number of Blades: 7

Direction of Rotation: Counter-clockwise, viewed toward rotor

Airflow Direction: Exhaust over struts

Impeller Material: Plastic (UL 94V-0)

Housing Material: Plastic (UL 94V-0)

Installation Position: Any

Degree of Protection: IP20

Operating Temperature: -10 - +70 °C

Service Life (L10 @ 40 °C): 70000 h

Standard Compliance: UL, TUV, CE

Approval Agency: UL, TUV, CUR

#### Application

The Sunon PF92251V1-1000C-S99 DC fan is primarily utilized in high-density server chassis, telecommunications power rectifiers, network storage systems (NAS), and industrial automation control cabinets.

## **Product Images**

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