

# EF80252B1-1000C-A99 Sunon 24V 80x80x25mm DC Axial Fan

**SKU:** EF80252B1-1000C-A99

**Price:** \$13.79

**Categories:** Fans

**Tags:** SUNON

**Product Link:**

<https://www.electspares.com/product/ef80252b1-1000c-a99-sunon-24v-80x80x25mm-dc-axial-fan/>

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## Product Description

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The Sunon EF80252B1-1000C-A99 is a high-performance 24V DC Axial Fan with dimensions of 80 x 80 x 25 mm, specifically engineered for mission-critical cooling in industrial automation, power supply units, and telecommunications enclosures. Driven by a high-efficiency DC motor with reinforced dual ball bearings, this heavy-duty unit operates on a 24 VDC supply delivering a Max. Power Consumption of 1.56 W and a Max. Current Draw of 65 mA at a rated speed of 3200 RPM. This High-performance unit is optimized to balance airflow and system impedance, providing a Max. Air Flow of 41.0 CFM (69.7 m<sup>3</sup>/h / 1.16 m<sup>3</sup>/min) and a Max. Static Pressure of 4.57 mmH<sub>2</sub>O (44.8 Pa / 0.18 inH<sub>2</sub>O). Featuring a 7-blade aerodynamic impeller and rugged UL 94V-0 plastic construction, this 80 mm unit ensures high operational reliability and an extended service life of 70,000 hours in continuous industrial environments at the end.

EF80252B1-1000C-A99 Fan Parameters

Model Number: EF80252B1-1000C-A99

Manufacturer: Sunon

Type: DC Axial Fan

Dimensions: 80 x 80 x 25 mm

Weight: 75 g

Bearing Type: Two Ball Bearing

Nominal Voltage: 24 VDC

Nominal Voltage Range: 10.0 - 27.6 VDC

Max. Current Draw: 65 mA

Max. Power Consumption: 1.56 W

Rated Speed: 3200 RPM

Max. Air Flow: 41.0 CFM (69.7 m<sup>3</sup>/h / 1.16 m<sup>3</sup>/min)

Max. Static Pressure: 4.57 mmH<sub>2</sub>O (44.8 Pa / 0.18 inH<sub>2</sub>O)  
Working Air Flow: 69.7 m<sup>3</sup>/h  
Static Pressure Increase: 44.8 Pa  
Noise Level: 33.0 dB(A)  
Number of Blades: 7  
Connection: 2-Wire (Red +, Black -; UL1007 AWG#24)  
Technical Features: Dual ball bearing industrial design  
Motor Protection: Auto Restart; Polarity protection  
Insulation Class: "A"  
Degree of Protection: IP54  
Protection Class: III  
Impeller Material: UL 94V-0 Plastic  
Housing Material: UL 94V-0 Plastic  
Direction of Rotation: Counter-clockwise (viewed from rotor)  
Installation Position: Any  
Mode: S1  
Service Life (L10): 70,000 h (at 40 °C)  
Ambient Temperature (Max.): 70 °C  
Min. Operating Temperature: -10 °C  
Standard Compliance: UL; TUV; CE  
Approval: UL; CUL; TUV; CE

#### Application

The Sunon EF80252B1-1000C-A99 fan is the primary cooling component for industrial control panels, frequency converters, and high-wattage power supplies requiring stable 24V airflow and reliable heat dissipation.

## **Product Images**

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