

MEC0252V2-000C-A99 Sunon 24V 120x120x25mm DC Axial Fan

SKU: MEC0252V2-000C-A99

Price: \$10.29

Categories: Fans

Tags: SUNON

Product Link:

<https://www.electspares.com/product/mec0252v2-000c-a99-sunon-24v-120x120x25mm-dc-axial-fan/>

Product Description

The Sunon MEC0252V2-000C-A99 is a professional-grade 120 mm DC axial fan with a nominal voltage of 24 VDC and dimensions of 120 x 120 x 25 mm, designed for high-reliability thermal management in industrial and telecommunications systems. Operating at a power consumption of 3.50 W with a rated current of 0.146 A, this unit features Sunon's proprietary VAPO bearing system, which leverages magnetic levitation to minimize mechanical friction and ensure ultra-long service life. With a balanced performance profile of 2700 RPM, it delivers a robust airflow of 93 CFM and a static pressure of 0.22 inH₂O, making it highly effective at overcoming system resistance. Constructed with UL 94V-0 flame-retardant plastic and weighing 163 g, the fan includes essential safety features such as auto-restart and polarity protection, providing a powerful and quiet cooling solution for power supplies, server racks, and industrial control cabinets at the end.

MEC0252V2-000C-A99 Fan Parameters

Model Number: MEC0252V2-000C-A99

Manufacturer: Sunon

Series: MEC Series

Type: DC Axial Fan

Size: 120 mm

Dimensions: 120 x 120 x 25 mm

Weight: 163 g

Bearing Type: VAPO Bearing

Nominal Voltage: 24 VDC

Voltage Range: 10.0 - 27.6 VDC

Power Consumption: 3.50 W

Nominal Current: 0.146 A

Speed: 2700 RPM

Max. Air Flow: 62.23 CFM (105.7 m³/h / 1.76 m³/min)

Max. Static Pressure: 9.81 mmH₂O (96.24 Pa / 0.39 inH₂O)

Actual Air Flow: 93 CFM (158.0 m³/h)

Actual Static Pressure: 0.22 inH₂O (5.59 mmH₂O / 54.8 Pa)

Sound Pressure Level: 40.5 dB(A)

Motor Design: Brushless DC motor

Motor Protection: Auto-restart; Polarity protection

Technical Features: Soft start

Insulation Class: Class A

Electrical Hookup: 2-wire lead wires (Red: +, Black: -)

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 MEC0252V2-000C-A99 DC fan is primarily utilized in industrial power supplies, telecommunications equipment cabinets, frequency converters, and server rack ventilation.

Product Images









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