

PMD2409PMB1-A.(2).GN Sunon 24VDC 92x92x38mm 12.2W Axial Fan Datasheet



Brand: SUNON

SKU: 642116146123

Category: Axial & Centrifugal Fans

Price: \$18.99

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/pmd2409pmb1-a-2-gn-sunon-24vdc-92x92x38mm-12-2w-axial-fan>

Product Description

The Sunon PMD2409PMB1-A.(2).GN is a robust DC axial fan engineered for high-static pressure industrial environments and critical thermal management systems. Utilizing advanced motor technology and a dual ball bearing architecture, this unit ensures exceptional longevity and structural rigidity under continuous high-speed operation. The 92mm design features an optimized impeller geometry that maximizes airflow efficiency while maintaining a manageable thermal impedance profile. Rated for 24VDC operation with a power consumption of 12.2W, it delivers the substantial cooling performance required for demanding electronics such as variable frequency drives and power inverters. The thermoplastic housing meets UL94V-0 flammability standards, ensuring safety and reliability in harsh operational conditions.

Model Number: PMD2409PMB1-A.(2).GN

Brand: Sunon

Product Type: DC Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 10.0 - 27.6 VDC

Power Consumption: 12.2 W

Rated Current: 0.51 A

Rated Speed: 4900 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 120.2 CFM (204.2 m³/h / 3.40 m³/min)

Max. Static Pressure: 18.03 mmH₂O (176.8 Pa / 0.71 inH₂O)

Dimensions: 92 x 92 x 38 mm

Frame Size: 9038

Weight: 190 g

Noise Level: 57.6 dBA

Life Expectancy: 70,000 Hours at 40°C

Housing Material: Thermoplastic PBT (UL94V-0)

Impeller Material: Thermoplastic PBT (UL94V-0)

Termination: 2-Wire Lead Wires (Red +, Black -)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP20

Insulation Class: Class A

Safety Certifications: UL, CUR, TUV, CE

Motor Protection: Polarity Protection, Auto Restart

Application Specific: Schneider ATV71 Inverter Compatible

This cooling solution is specifically calibrated for industrial automation equipment, serving as a direct replacement for the Schneider ATV71 frequency inverter cooling fan. The PMD2409PMB1-A.(2).GN excels in high-density server racks and telecommunication cabinets where sustained airflow is critical for component stability. Additionally, the PMD2409PMB1-A.(2).GN is suitable for CNC machinery control panels and power supply units requiring rapid heat dissipation to prevent thermal throttling in harsh manufacturing environments.

Supplemental Images

