

PMD2409PMB1-A.(2).GN.I55 Sunon 24VDC 92x92x38mm Axial Fan Datasheet



Brand: SUNON

SKU: 745999524734

Category: Axial & Centrifugal Fans

Price: \$27.99

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/pmd2409pmb1-a-2-gn-i55-sunon-24vdc-92x92x38mm-axial-fan>

Product Description

The Sunon PMD2409PMB1-A.(2).GN.I55 is a high-performance DC axial fan engineered for industrial applications requiring substantial static pressure and airflow density. Built upon a robust dual ball bearing architecture, this unit ensures exceptional longevity and rotational stability under continuous high-speed operation. The fan features an IP55-rated construction, providing critical ingress protection against dust and moisture, which is essential for maintaining reliability in harsh manufacturing environments. Its aerodynamic impeller design minimizes turbulence while maximizing air throughput, effectively reducing thermal impedance in high-density electronic enclosures and variable frequency drive assemblies. The housing utilizes UL94V-0 rated thermoplastic, ensuring structural rigidity and fire safety compliance.

Model Number: PMD2409PMB1-A.(2).GN.I55

Brand: Sunon

Product Type: DC Axial Fan

Rated Voltage: 24VDC

Voltage Range: 10.0 - 27.6 VDC

Rated Current: 0.51 A

Power Consumption: 12.2 W

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: 0.71 inH₂O (18.0 mmH₂O / 176.5 Pa)
Dimensions: 92 x 92 x 38 mm
Weight: 190 g
Noise Level: 57.6 dB(A)
Ingress Protection: IP55
Housing Material: Thermoplastic PBT (UL94V-0)
Blade Material: Thermoplastic PBT (UL94V-0)
Termination: 2-Wire (Red +, Black -)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Life Expectancy: 70,000 Hours at 40°C
Safety Approvals: UL, CUR, TUV, CE
Protection Features: Auto Restart, Polarity Protection

Designed specifically for demanding thermal management tasks, the PMD2409PMB1-A.(2).GN.I55 is the OEM replacement fan for Schneider variable frequency drives (VFDs) and heavy-duty inverters. Its high static pressure capabilities make it equally suitable for cooling dense server racks, telecommunications cabinets, and CNC control systems where airflow resistance is high. The PMD2409PMB1-A.(2).GN.I55 maintains optimal operating temperatures for sensitive power electronics, preventing thermal throttling and ensuring system uptime in critical industrial automation setups.

Supplemental Images

