

KDE1212PMV1.13.MS.B2703.AF.GN SUNON 12VDC 120x120x38mm Axial Fan Datasheet



Brand: SUNON

SKU: [666646014192](#)

Category: Axial & Centrifugal Fans

Price: **\$18.99**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/kde1212pmv1-13-ms-b2703-af-gn-sunon-12vdc-120x120x38mm-axial-fan>

Product Description

The SUNON KDE1212PMV1.13.MS.B2703.AF.GN is a high-performance DC axial fan engineered for demanding industrial cooling applications requiring substantial airflow and static pressure. Utilizing SUNON's proprietary MagLev (Magnetic Levitation) motor technology, this unit eliminates physical contact between the shaft and bearing, significantly reducing friction, noise, and vibration while extending operational lifespan. The 120x120x38mm frame houses an aerodynamically optimized impeller designed to minimize thermal impedance in high-density enclosures. With a power rating of 8.4W, this fan delivers exceptional cooling efficiency, maintaining structural rigidity under high-speed operation, making it an ideal solution for critical thermal management systems.

Model Number: KDE1212PMV1.13.MS.B2703.AF.GN

Brand: SUNON

Product Type: DC Axial Fan

Motor Technology: Brushless DC (BLDC) MagLev

Rated Voltage: 12 VDC

Voltage Range: 6.0 - 13.8 VDC

Rated Current: 0.70 A

Power Consumption: 8.4 W

Rated Speed: 3100 RPM \pm 10%

Bearing Type: Vapo (MagLev System)
Max. Air Flow: 120.0 CFM (203.8 m³/h / 3.40 m³/min)
Max. Static Pressure: 8.64 mmH₂O (84.73 Pa / 0.34 inH₂O)
Dimensions: 120 x 120 x 38 mm
Weight: 216 g
Life Expectancy: 70,000 Hours at 40°C
Noise Level: 44.0 dB(A)
Frame Material: Thermoplastic PBT (UL94V-0)
Impeller Material: Thermoplastic PBT (UL94V-0)
Ingress Protection: IP54 (Optional)
Insulation Class: Class A
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Termination: 2-Wire / 3-Wire Lead (UL1007 AWG24)
Speed Control: Optional (PWM / Tachometer)
Safety Certifications: UL, CUR, TUV, CE
Protection: Auto Restart / Polarity Protection

The KDE1212PMV1.13.MS.B2703.AF.GN is specifically designed for integration into high-density server racks and telecommunications cabinets where consistent airflow is paramount for system stability. Its robust MagLev construction makes the KDE1212PMV1.13.MS.B2703.AF.GN suitable for industrial automation equipment, power supply units, and medical instrumentation requiring reliable thermal dissipation. Additionally, this model serves effectively in network switches and storage arrays, ensuring components remain within safe operating temperature ranges during continuous duty cycles.

Supplemental Images

