

D12SM-12(M-GP5) Yate Loon 12VDC 0.30A 120x120x25mm Axial Fan Datasheet



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Category: Axial & Centrifugal Fans

Price: **\$12.99**

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Product Description

The Yate Loon D12SM-12(M-GP5) is a precision-engineered DC axial fan designed for optimal thermal management in electronic enclosures and power supply units. Utilizing advanced sleeve bearing architecture, this unit balances rotational stability with acoustic performance, ensuring reliable operation under continuous load. The aerodynamic impeller design minimizes turbulence while maximizing airflow throughput, effectively reducing thermal impedance within high-density systems. Constructed with a durable thermoplastic frame, the D12SM-12(M-GP5) maintains structural rigidity and provides consistent cooling efficiency. Its medium-speed profile makes it an ideal solution for applications requiring a specific equilibrium between static pressure capabilities and noise generation, adhering to strict industrial standards for component longevity and performance consistency.

Model Number: D12SM-12(M-GP5)

Brand: Yate Loon

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 6.5 - 13.8 VDC

Rated Current: 0.30 A

Power: 3.60 W

Rated Speed: 1650 RPM

Bearing Type: Sleeve Bearing

Max. Air Flow: 70.5 CFM (119.8 m³/h / 1.99 m³/min)

Max. Static Pressure: 1.8 mmH₂O (17.65 Pa / 0.07 inH₂O)

Dimensions: 120 x 120 x 25 mm

Weight: 156 g

Life Expectancy: 30,000 Hours @ 25°C

Noise Level: 33 dBA

Housing Material: PBT Thermoplastic (UL94V-0)

Impeller Material: PBT Thermoplastic (UL94V-0)

Termination: 2-Wire Lead (Red/Black)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP20

Safety Certifications: CE, UL, TUV, RoHS

This cooling solution is widely utilized in power supply units (PSUs) and computer chassis where consistent airflow is critical for component longevity. The D12SM-12(M-GP5) excels in server rack ventilation and industrial cabinet cooling, effectively dissipating heat from sensitive circuitry without introducing excessive vibration. Additionally, the D12SM-12(M-GP5) is frequently integrated into home theater PC setups and audio-visual equipment, where its acoustic profile ensures unobtrusive operation during media playback.

Supplemental Images

