

AS12012MB25A100 ADDA 12VDC 120x120x25mm 0.96A Axial Fan Datasheet



Brand: ADDA

SKU: [985517729538](#)

Category: Axial & Centrifugal Fans

Price: **\$23.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/as12012mb25a100-adda-12vdc-120x120x25mm-0-96a-axial-fan>

Product Description

The ADDA AS12012MB25A100 is a high-performance DC Axial Fan engineered for demanding thermal management applications requiring substantial volumetric airflow. Utilizing a robust Dual Ball Bearing architecture, this unit ensures minimized rotational friction and exceptional structural rigidity, significantly extending operational longevity under continuous high-speed loads. The aerodynamic impeller design is optimized to deliver high static pressure while reducing thermal impedance within dense electronic enclosures. Operating at a rated 12VDC with a current draw of 0.96A, the AS12012MB25A100 provides aggressive cooling capabilities, making it a critical component for stabilizing temperatures in mission-critical industrial hardware and power-dense systems.

Model Number: AS12012MB25A100

Brand: ADDA

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.96 A

Input Power: 11.52 W

Rated Speed: 3800 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 135.20 CFM (229.7 m³/h / 3.82 m³/min)

Max. Static Pressure: 12.50 mmH₂O (122.5 Pa / 0.49 inH₂O)

Dimensions: 120 x 120 x 25 mm

Weight: 220 g

Life Expectancy: 70,000 Hours at 40°C

Noise Level: 53.0 dB(A)

Housing Material: PBT Plastic (UL94V-0)

Impeller Material: PBT Plastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP20

Termination: 2-Wire Leads (Red/Black)

Safety Certifications: UL, CUL, TUV, CE

Designed for rigorous industrial environments, the AS12012MB25A100 excels in applications such as high-density server racks, telecommunications cabinets, and industrial automation control panels. Its high static pressure capability allows the AS12012MB25A100 to effectively force air through restrictive chassis and dense heatsinks found in CNC machinery and medical instrumentation, ensuring critical components remain within safe operating temperature ranges.

Supplemental Images

