

MGA8012XB-A15 MAGIC 12VDC 80x80x15mm Dual Ball Axial Fan Datasheet



Brand: Protechnic

SKU: 805816025681

Category: Axial & Centrifugal Fans

Price: \$11.99

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Product Page:

<https://www.equipspares.com/product/mga8012xb-a15-magic-12vdc-80x80x15mm-dual-ball-axial-fan>

Product Description

The MAGIC MGA8012XB-A15 is a precision-engineered DC Axial Fan designed for constrained spaces requiring efficient thermal exchange. Utilizing advanced DC motor technology paired with a robust Dual Ball Bearing architecture, this unit ensures minimal frictional losses and extended operational longevity under continuous load. The aerodynamic impeller profile is optimized to reduce turbulence while maintaining consistent static pressure, making it ideal for high-density electronic enclosures where thermal impedance must be minimized. The structural rigidity of the frame ensures stability during high-RPM operation, providing reliable cooling performance in demanding industrial environments.

Model Number: MGA8012XB-A15

Brand: MAGIC (Yongli)

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 0.23 A

Power Consumption: 2.76 W

Rated Speed: 3500 RPM

Max. Air Flow: 32.5 CFM (55.2 m³/h / 0.92 m³/min)

Max. Static Pressure: 3.1 mmH₂O (30.4 Pa / 0.12 inH₂O)

Dimensions: 80x80x15mm

Bearing Type: Dual Ball Bearing

Noise Level: 34.0 dBA

Life Expectancy: 70,000 Hours @ 40°C

Housing Material: PBT Plastic (UL94V-0)

Impeller Material: PBT Plastic (UL94V-0)

Termination: 2-Wire Leads (Red +, Black -)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP40

Weight: 62 g

The MGA8012XB-A15 is specifically engineered for compact electronic environments such as server racks, network switchgear, and industrial automation cabinets. Its slim 15mm profile allows for seamless integration into 1U or 2U chassis designs where vertical clearance is limited. By delivering consistent airflow, the MGA8012XB-A15 effectively mitigates hotspots in power supply units and telecommunications equipment, ensuring component reliability in 24/7 operational cycles.

Supplemental Images

