

# MGA8012YS-A15 MAGIC 12VDC 80x80x15mm Axial Fan Datasheet



**Brand:** Protechnic

**SKU:** [805666114083](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$13.99**

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Product Page: <https://www.equipspares.com/product/mga8012ys-a15-magic-12vdc-80x80x15mm-axial-fan>

## Product Description

The MAGIC MGA8012YS-A15 is a precision-engineered DC Axial Fan designed for applications requiring efficient airflow within a compact, low-profile footprint. Featuring advanced DC brushless motor technology coupled with a durable sleeve bearing architecture, this unit minimizes thermal impedance while maintaining operational stability under continuous load. The aerodynamic impeller design ensures optimal static pressure generation, effectively counteracting flow resistance in dense electronic enclosures. Constructed with high-grade Polybutylene Terephthalate (PBT) thermoplastics, the frame offers exceptional structural rigidity, reducing vibration-induced harmonics. This component is specifically calibrated for reliable heat dissipation in industrial automation and consumer electronics environments, ensuring critical components remain within safe operating temperature ranges.

Model Number: MGA8012YS-A15

Brand: MAGIC (Protechnic Electric)

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.28 A

Power: 3.36 W

Rated Speed: 3500 RPM  $\pm$ 10%

Bearing Type: Sleeve Bearing

Max. Air Flow: 40.5 CFM (68.8 m<sup>3</sup>/h / 1.15 m<sup>3</sup>/min)  
Max. Static Pressure: 3.45 mmH<sub>2</sub>O (33.8 Pa / 0.14 inH<sub>2</sub>O)  
Dimensions: 80 x 80 x 15 mm  
Weight: 65 g  
Life Expectancy: 30,000 Hours at 40°C  
Noise Level: 38.0 dBA  
Housing Material: PBT Thermoplastic (UL94V-0)  
Impeller Material: PBT Thermoplastic (UL94V-0)  
Termination: 2-Wire / 3-Wire Lead  
Operating Temperature: -10°C to +70°C  
Storage Temperature: -40°C to +70°C  
Motor Type: DC Brushless  
Ingress Protection: IP20  
Certification: CE, UL, TUV, RoHS

The MGA8012YS-A15 is frequently integrated into low-profile server racks, telecommunications equipment, and compact power supply units where vertical space is constrained. Due to its slim 15mm profile, this axial fan excels in venting chassis enclosures and cooling densely packed printed circuit boards in industrial automation setups. Engineers rely on the MGA8012YS-A15 for its balance of airflow and static pressure, making it a viable solution for network switches, DVR systems, and medical instrumentation requiring consistent thermal regulation.

## Supplemental Images

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