

MGA8012HS-A25 MAGIC 12V 0.24A High Speed Cooling Fan Datasheet



Brand: Protechnic

SKU: [802473369951](#)

Category: Axial & Centrifugal Fans

Price: **\$10.99**

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Product Page:

<https://www.equipspares.com/product/mga8012hs-a25-magic-12v-0-24a-high-speed-cooling-fan>

Product Description

The MAGIC (Protechnic Electric) MGA8012HS-A25 is a high-performance DC axial fan designed for critical thermal management in consumer electronics and industrial appliances. Featuring a standard 80mm frame and a durable sleeve bearing system, this model delivers a robust balance of airflow and static pressure. Engineered for continuous operation, it runs on a nominal 12V DC supply with a current draw of 0.24A, making it an energy-efficient solution for heat-sensitive equipment.

Manufacturer: MAGIC (Protechnic Electric)

Model Number: MGA8012HS-A25

Product Type: DC Axial Fan

Rated Voltage: 12V DC

Operating Voltage Range: 10.2 - 13.8 VDC

Rated Current: 0.24 A

Input Power: 2.88 W

Nominal Speed: 3200 RPM

Max. Air Flow: 40.15 CFM (68.21 m³/h / 1.14 m³/min)

Max. Static Pressure: 3.81 mmH₂O (37.36 Pa / 0.15 inH₂O)

Bearing Type: Sleeve Bearing

Noise Level: 34.0 dB(A)

Dimensions: 80 x 80 x 25 mm

Frame Material: PBT Thermoplastic (UL94V-0)

Impeller Material: PBT Thermoplastic (UL94V-0)

Termination: 2-Wire Leads

Weight: 86 g

Operating Temperature: -10°C to +70°C

Life Expectancy: 30,000 Hours at 40°C

The MGA8012HS-A25 is specifically optimized for applications requiring consistent air exchange in confined spaces. It is extensively used in clothes dryers to facilitate moisture removal and maintain safe operating temperatures for internal motors and heating elements. Furthermore, this model is a standard component in multimedia projectors, where it effectively dissipates the intense heat generated by projection lamps and optical engines, preventing thermal throttling and ensuring uninterrupted visual performance.

Supplemental Images

