

MGT8012HB-A20 Magic 12VDC 80x80x25mm DC Cooling Axial Fan Datasheet



Brand: Protechnic

SKU: 805247854248

Category: Axial & Centrifugal Fans

Price: **\$14.99**

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Product Page:

<https://www.equipspares.com/product/mgt8012hb-a20-magic-12vdc-80x80x25mm-dc-cooling-axial-fan>

Product Description

The Magic MGT8012HB-A20 is a high-efficiency DC Axial Fan engineered to deliver optimal thermal management in compact industrial and consumer electronic enclosures. Featuring a robust brushless DC motor architecture and a precisely balanced 7-blade impeller, this unit significantly reduces thermal impedance while maintaining structural rigidity under continuous operation. The fan utilizes a durable bearing system designed to minimize frictional resistance and vibration, ensuring consistent performance and extended service life. With its high-density PBT housing, the MGT8012HB-A20 provides exceptional airflow-to-noise ratios, making it a critical component for systems requiring reliable heat dissipation and aerodynamic efficiency.

Model Number: MGT8012HB-A20

Brand: Magic (Protechnic Electric)

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.27 A

Power Consumption: 3.24 W

Rated Speed: 3400 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 42.0 CFM (71.3 m³/h / 1.18 m³/min)

Max. Static Pressure: 4.8 mmH₂O (47.0 Pa / 0.19 inH₂O)

Dimensions: 80 x 80 x 25 mm

Weight: 86 g

Life Expectancy: 70,000 Hours at 40°C

Noise Level: 36.5 dB(A)

Housing Material: PBT (UL94V-0)

Impeller Material: PBT (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

Insulation Class: Class A

Safety Certifications: UL, CUL, TUV, CE

The MGT8012HB-A20 is specifically designed for applications demanding sustained cooling performance in restricted spaces, such as humidifier systems, network communication equipment, and industrial power supplies. Its robust pressure profile allows it to effectively push air through dense obstructions found in server racks and CNC machinery control panels. By integrating the MGT8012HB-A20 into thermal designs, engineers ensure critical components remain within safe operating limits, preventing thermal throttling in automation electronics and extending the longevity of sensitive hardware.

Supplemental Images

