

MGA8012HS-A20 MAGIC 12V 0.27A High Speed DC Axial Cooling Fan Datasheet



Brand: Protechnic

SKU: 805787693646

Category: Axial & Centrifugal Fans

Price: **\$11.99**

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Product Page:

<https://www.equipspares.com/product/mga8012hs-a20-magic-12v-0-27a-high-speed-dc-axial-cooling-fan>

Product Description

The MAGIC MGA8012HS-A20 is a high-performance DC axial fan engineered for precision thermal management in compact industrial environments. Designed with a slim 20mm profile and a high-speed motor, this unit delivers a superior balance of airflow and static pressure, making it an optimal choice for densely packed electronic enclosures and power conversion systems.

Manufacturer: MAGIC (Protechnic Electric)

Model Number: MGA8012HS-A20

Product Type: DC Axial Cooling Fan

Rated Voltage: 12VDC

Operating Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.27A

Input Power: 3.24W

Nominal Speed: 3800 RPM

Max. Air Flow: 41.50 CFM (70.51 m³/h / 1.17 m³/min)

Max. Static Pressure: 4.80 mmH₂O (47.07 Pa / 0.19 inH₂O)

Bearing System: Sleeve Bearing

Noise Level: 36.0 dBA

Dimensions: 80 x 80 x 20 mm

Frame Material: Thermoplastic PBT (UL94V-0)

Impeller Material: Thermoplastic PBT (UL94V-0)

Termination: 2-Wire Lead

Weight: 75g

Operating Temperature: -10°C to +70°C

This high-efficiency cooling fan is primarily deployed in critical power electronics applications where space is limited but heat dissipation demands are high. The MGA8012HS-A20 is specifically recommended for variable frequency drives (VFDs), industrial inverters, and switch-mode power supplies. Its streamlined aerodynamic blade design ensures consistent air intake and exhaust, effectively lowering the operating temperature of internal semiconductor components in server racks and automation control panels to prevent thermal degradation.

Supplemental Images

