

MGA8012HB-A25 Protechnic 12VDC 80x80x25mm Axial Fan Datasheet



Brand: Protechnic

SKU: 805251534690

Category: Axial & Centrifugal Fans

Price: \$14.99

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/mga8012hb-a25-protechnic-12vdc-80x80x25mm-axial-fan>

Product Description

The Protechnic MGA8012HB-A25 is a high-reliability DC Axial Fan engineered for critical industrial thermal management. Utilizing advanced Brushless DC (BLDC) motor technology combined with a robust Two Ball Bearing architecture, this unit ensures minimal frictional coefficient and extended operational longevity under continuous load. The aerodynamic impeller design is optimized to maximize airflow while reducing turbulence-induced noise, effectively lowering thermal impedance within high-density enclosures. Constructed with UL94V-0 rated reinforced thermoplastics, the frame offers superior structural rigidity, making it suitable for demanding environments requiring consistent heat dissipation and mechanical stability.

Model Number: MGA8012HB-A25

Brand: Protechnic (Magic)

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.24A

Power Input: 2.88W

Rated Speed: 3600 RPM

Bearing Type: Two Ball Bearing

Max. Air Flow: 41.5 CFM (70.5 m³/h / 1.17 m³/min)

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

Dimensions: 80x80x25mm

Weight: 85g

Life Expectancy: 70,000 Hours @ 40°C

Noise Level: 36.0 dBA

Frame Material: PBT Thermoplastic (UL94V-0)

Impeller Material: PBT Thermoplastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP20

Insulation Resistance: >10M Ohm at 500VDC

Dielectric Strength: 500VAC for 1 Min

Termination: Lead Wires (UL1007 AWG24)

Direction of Rotation: Counter-Clockwise (Facing Rotor)

Mounting Orientation: Any

The MGA8012HB-A25 is specifically calibrated for forced convection in restricted spaces such as server rack enclosures, telecommunications cabinets, and industrial automation control panels. Its compact 80mm profile allows for seamless integration into CNC machinery electronics and power supply units where maintaining optimal operating temperatures is crucial. By delivering consistent airflow, the MGA8012HB-A25 effectively mitigates hotspots in computing arrays and network switchgear, ensuring system stability and component durability in 24/7 operational contexts.

Supplemental Images

