

MGA12012HR-025G Protechnic 12VDC 0.45A 120x120x25mm Fan Datasheet



Brand: Protechnic

SKU: 1046789362709

Category: Axial & Centrifugal Fans

Price: \$21.20

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Product Page:

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Product Description

Protechnic MGA12012HR-025G 120 x 120 x 25 mm 12 VDC 0.45 A 88.5 CFM axial fan utilizes a dual ball bearing motor for high-velocity thermal management. The unit is constructed with a glass-fiber reinforced PBT plastic frame and impeller meeting UL 94V-0 flammability standards. It operates at a nominal speed of 3100 RPM, generating a static pressure of 7.11 mm-H₂O. The electrical interface is a 2-wire lead wire configuration with brushless DC commutation and impedance protection.

MGA12012HR-025G Specifications

Model: MGA12012HR-025G

Brand: Protechnic Electric

Dimensions: 120 x 120 x 25 mm

Rated Voltage: 12 VDC

Operating Voltage: 10.2 to 13.8 VDC

Rated Current: 0.45 A

Input Power: 5.4 W

Rated Speed: 3100 RPM

Maximum Airflow: 88.5 CFM

Maximum Static Pressure: 0.28 in-H₂O (7.11 mm-H₂O)

Noise Level: 42.5 dBA

Bearing Type: Dual Ball Bearing

Frame Material: PBT Plastic (UL 94V-0)
Impeller Material: PBT Plastic (UL 94V-0)
Termination: 2-Wire Lead (Red/Black)
Operating Temperature: -10 to +70 °C
Storage Temperature: -40 to +70 °C
Life Expectancy: 70,000 Hours at 40 °C
Motor Protection: Impedance Protected
Weight: 160 g

MGA12012HR-025G Applications

Primary applications include integration into server rack enclosures, industrial power supply units, and telecommunications switching equipment. Deployed within CNC machine control cabinets and medical diagnostic imaging systems requiring high-static pressure thermal management.

Supplemental Images

