MGA12012YB-O25 Protechnic 12VDC 120x120x25mm Axial Fan Datasheet

Brand: Protechnic

SKU: 990372251592

Category: Axial & Centrifugal Fans

Price: **$14.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/mga12012yb-o25-protechnic-12vdc-120x120x25mm-axial-fan

Product Description

The Protechnic MGA12012YB-O25 is a high-efficiency Axial Fan engineered for critical industrial thermal management and high-density electronic enclosures. Utilizing advanced DC motor technology combined with a robust Dual Ball Bearing architecture, this unit ensures exceptional operational stability and reduced thermal impedance under continuous load. The aerodynamic impeller design maximizes air throughput while maintaining structural rigidity, making it an ideal solution for high-static pressure environments. Designed for longevity and precision, this cooling component mitigates heat accumulation in enclosed electronics, ensuring optimal system performance and reliability.

Model Number: MGA12012YB-O25
Brand: Protechnic Electric
Product Type: DC Axial Fan
Rated Voltage: 12 VDC
Voltage Range: 7.0 - 13.8 VDC
Rated Current: 1.20 A
Power Input: 14.4 W
Rated Speed: 3800 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 130.5 CFM (221.7 m^3/h / 3.69 m^3/min)

Max. Static Pressure: 12.5 mmH_2O (122.5 Pa / 0.49 inH_2O)
Dimensions: 120 x 120 x 25 mm
Weight: 220 g
Noise Level: 54.0 dBA
Frame Material: PBT (UL94V-0)
Blade Material: PBT (UL94V-0)
Ingress Protection: IP20
Termination: Lead Wires
Operating Temperature: -10 to +70 °C
Storage Temperature: -40 to +75 °C
Life Expectancy: 70,000 Hours @ 40°C

The MGA12012YB-O25 is specifically calibrated for demanding cooling applications requiring substantial airflow, such as server chassis intake and exhaust systems. Common deployments include telecommunications cabinets, industrial power supply units, and high-performance workstation cooling where heat dissipation is critical. The MGA12012YB-O25 ensures reliable thermal regulation in CNC machinery control panels and medical instrumentation, preventing component failure due to thermal stress in restricted airflow environments.

Supplemental Images