MGA12012HB-O38 Protechnic 12VDC 120x120x38mm 0.42A Axial Fan Datasheet

Brand: Protechnic

SKU: 781937317538

Category: Axial & Centrifugal Fans

Price: **$15.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/mga12012hb-o38-protechnic-12vdc-120x120x38mm-0-42a-axial-fan

Product Description

The Protechnic MGA12012HB-O38 is a precision-engineered DC axial fan designed for critical thermal management applications requiring sustained airflow and high static pressure. Utilizing advanced ball bearing architecture, this unit ensures minimal frictional coefficient and extended operational longevity under continuous load. The aerodynamic impeller design optimizes air displacement while maintaining structural rigidity, effectively reducing thermal impedance in dense electronic enclosures. Engineered with a robust frame and efficient motor commutation, the MGA12012HB-O38 delivers reliable cooling performance, mitigating heat accumulation in industrial systems and ensuring component stability within specified operating temperature ranges.

Model Number: MGA12012HB-O38
Brand: Protechnic
Product Type: DC Axial Fan
Rated Voltage: 12 VDC
Voltage Range: 7.0 - 13.8 VDC
Rated Current: 0.42 A
Power Input: 5.04 W
Rated Speed: 2800 RPM
Bearing Type: Dual Ball Bearing

Max. Air Flow: 108.0 CFM (183.5 m^3/h)
Max. Static Pressure: 7.5 mmH_2O (73.5 Pa / 0.29 inH_2O)
Dimensions: 120 x 120 x 38 mm
Weight: 280 g
Life Expectancy: 70,000 Hours at 40°C
Noise Level: 43.0 dB(A)
Termination: 2-Wire Lead
Housing Material: PBT Plastic (UL94V-0)
Blade Material: PBT Plastic (UL94V-0)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Ingress Protection: IP20
Safety Certifications: UL, cUL, TUV, CE

The MGA12012HB-O38 is frequently deployed in high-demand industrial environments such as server rack cooling systems, telecommunications cabinets, and power supply units where reliable heat dissipation is paramount. Its robust construction makes the MGA12012HB-O38 suitable for CNC machinery control panels and medical instrumentation, ensuring critical electronics remain within safe thermal limits during prolonged operation.

Supplemental Images