MBA6012HB-O25 Protechnic 12VDC 60x60x25mm 0.35A Blower Fan Datasheet

Brand: Protechnic

SKU: 821451880185

Category: Axial & Centrifugal Fans

Price: **$11.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/mba6012hb-o25-protechnic-12vdc-60x60x25mm-0-35a-blower-fan

Product Description

The Protechnic MBA6012HB-O25 is a high-efficiency Centrifugal Blower designed for thermal management systems requiring concentrated airflow against significant back pressure. Engineered with a robust DC motor and a precision ball bearing architecture, this unit minimizes frictional losses to ensure extended operational longevity and reduced thermal impedance. The aerodynamic impeller is calibrated to deliver optimal static pressure, making it highly effective for cooling restricted enclosures where axial fans may falter. Constructed with industrial-grade thermoplastic to maintain structural rigidity, the MBA6012HB-O25 provides reliable performance in demanding environments, balancing high-speed operation with stable mechanical integrity.

Model Number: MBA6012HB-O25
Brand: Protechnic Electric
Product Type: DC Centrifugal Blower
Rated Voltage: 12VDC
Voltage Range: 7.0 - 13.8 VDC
Rated Current: 0.35 A
Power Input: 4.2 W
Rated Speed: 5200 RPM (Nominal)
Bearing Type: Precision Ball Bearing
Max. Air Flow: 12.5 CFM (21.24 m^3/h / 0.35 m^3/min)

Max. Static Pressure: 14.5 mmH_2O (142.2 Pa / 0.57 inH_2O)
Dimensions: 60 x 60 x 25 mm
Weight: 55 g
Life Expectancy: 70,000 Hours @ 40°C
Noise Level: 38.5 dB(A)
Termination: 2-Wire Leads (Red +, Black -)
Housing 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
Insulation Resistance: >10M Ohm at 500VDC
Dielectric Strength: 500VAC for 1 Minute
Protection: Locked Rotor Protection, Polarity Protection

The MBA6012HB-O25 is frequently deployed in applications where space constraints and high thermal density intersect, such as 1U server racks, telecommunications switching gear, and compact industrial power supplies. Its ability to generate high static pressure makes the MBA6012HB-O25 an ideal choice for forcing air through dense heatsink fins in projection systems and 3D printer extruders. Additionally, this blower is utilized in medical instrumentation and CNC control modules, ensuring critical components remain within safe thermal limits during continuous duty cycles.

Supplemental Images