AB06012HB250100 ADDA 12VDC 60x60x25mm Blower Fan Datasheet

Brand: ADDA

SKU: 743458495857

Category: Axial & Centrifugal Fans

Price: **$12.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/ab06012hb250100-adda-12vdc-60x60x25mm-blower-fan

Product Description

The ADDA AB06012HB250100 is a Blower Fan engineered for applications requiring concentrated airflow and high static pressure capabilities. Utilizing advanced Brushless DC (BLDC) motor technology combined with a precision Ball Bearing architecture, this unit ensures minimal friction and extended operational longevity under continuous load. The aerodynamic centrifugal impeller design optimizes thermal impedance reduction, delivering efficient cooling performance even in space-constrained environments with high system resistance. Its robust housing ensures structural rigidity, making it suitable for demanding industrial and automotive thermal management systems.

Model Number: AB06012HB250100
Brand: ADDA
Product Type: DC Blower Fan
Rated Voltage: 12VDC
Voltage Range: 10.2 - 13.8 VDC
Rated Current: 0.22 A
Power Consumption: 2.64 W
Rated Speed: 4500 RPM (Nominal)
Bearing Type: Ball Bearing
Max. Air Flow: 12.5 CFM (21.2 m^3/h / 0.35 m^3/min)
Max. Static Pressure: 10.5 mmH_2O (102.9 Pa / 0.41 inH_2O)

Dimensions: 60 x 60 x 25 mm
Weight: 62 g
Noise Level: 39.0 dB(A)
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
Life Expectancy: 70,000 Hours at 40°C
Termination: Lead Wires
Motor Protection: Impedance Protected, Reverse Polarity Protection
Ingress Protection: IP44

The AB06012HB250100 is specifically calibrated for high-reliability applications such as automotive seat ventilation systems, where consistent static pressure is required to force air through dense foam and fabric layers. Additionally, the AB06012HB250100 serves effectively in compact electronics cooling, telecommunications equipment, and small form-factor projectors where traditional axial fans lack the necessary pressure generation. Its durable construction ensures stable performance in mobile and vibrating environments typical of automotive and industrial machinery.

Supplemental Images