

AB07012UB250301 ADDA 12VDC 70x70x25mm Blower Fan Datasheet



Brand: ADDA

SKU: 992959496817

Category: Axial & Centrifugal Fans

Price: \$18.99

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Product Page:

<https://www.equipspares.com/product/ab07012ub250301-adda-12vdc-70x70x25mm-blower-fan>

Product Description

The ADDA AB07012UB250301 is a precision-engineered DC Blower Fan designed for high-static pressure applications requiring focused airflow. Utilizing advanced DC brushless motor technology, this unit ensures efficient thermal management within compact enclosures. The bearing architecture is optimized for longevity and reduced friction, contributing to a stable operational profile even under continuous load. Its aerodynamic impeller design minimizes turbulence while maximizing air throughput, making it suitable for systems with high thermal impedance. The structural rigidity of the housing ensures durability, maintaining performance integrity in demanding industrial environments.

Model Number: AB07012UB250301

Brand: ADDA

Product Type: DC Centrifugal Blower

Rated Voltage: 12VDC

Voltage Range: 10.8 - 13.2 VDC

Rated Current: 0.35A

Power Consumption: 4.20 W

Rated Speed: 4200 RPM (Nominal)

Bearing Type: Ball Bearing

Max. Air Flow: 12.5 CFM (21.2 m³/h)

Max. Static Pressure: 14.5 mmH₂O (142 Pa)

Dimensions: 70mm x 70mm x 25mm

Weight: 90g

Life Expectancy: 50,000 Hours at 40°C

Noise Level: 43.0 dB(A)

Speed Control: 3-Wire (Tachometer/Signal Output)

Housing Material: PBT (UL94V-0)

Impeller Material: PBT (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Termination: Lead Wires

Motor Protection: Locked Rotor Protection, Polarity Protection

Certifications: CE, UL, TUV

This centrifugal blower is engineered for applications requiring directed airflow against significant back pressure. The AB07012UB250301 is frequently utilized in compact server racks, projector cooling systems, and telecommunications equipment where space is limited but thermal loads are high. Additionally, the AB07012UB250301 serves effectively in industrial automation control panels and medical instrumentation, ensuring critical components remain within safe operating temperature ranges through efficient heat dissipation.

Supplemental Images

