AG05012XB157600 ADDA 12VDC 50x50x15mm 3-Wire Axial Fan Datasheet

Brand: ADDA

SKU: 987365106354

Category: Axial & Centrifugal Fans

Price: **$11.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/ag05012xb157600-adda-12vdc-50x50x15mm-3-wire-axial-fan

Product Description

The ADDA AG05012XB157600 is a high-performance DC axial fan engineered for demanding thermal management applications requiring compact yet powerful air movement. Utilizing advanced brushless DC motor technology and a precision ball bearing architecture, this unit delivers exceptional airflow relative to its 50mm footprint. The aerodynamic impeller design minimizes turbulence while maintaining high static pressure, ensuring efficient heat dissipation in dense electronic enclosures. Constructed with industrial-grade thermoplastic, the frame offers superior structural rigidity and thermal stability, making it an ideal solution for continuous operation environments where reliability and low thermal impedance are critical.

Model Number: AG05012XB157600
Brand: ADDA
Product Type: DC Axial Fan
Rated Voltage: 12 VDC
Voltage Range: 10.2 - 13.8 VDC
Rated Current: 0.30 A
Input Power: 3.60 W
Rated Speed: 6800 RPM
Bearing Type: Ball Bearing
Max. Air Flow: 16.5 CFM (28.0 m^3/h / 0.46 m^3/min)

Max. Static Pressure: 0.28 inH_2O (7.1 mmH_2O / 69.6 Pa)
Dimensions: 50 x 50 x 15 mm
Weight: 28 g
Life Expectancy: 70,000 Hours @ 40°C
Noise Level: 39.0 dB(A)
Termination: 3-Wire (Lead Wire)
Output Signal: Tachometer (FG)
Housing Material: PBT (UL94V-0)
Impeller Material: PBT (UL94V-0)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Safety Certifications: UL, CUL, TUV, CE
Protection: Locked Rotor Protection, Polarity Protection

The AG05012XB157600 is specifically designed for compact electronic assemblies requiring forced air convection to mitigate thermal hotspots. Common deployments include 1U server power supplies, network switches, and industrial automation control panels where space is at a premium. The high rotational speed of the AG05012XB157600 ensures adequate static pressure to overcome impedance in tightly packed component arrays, while the integrated tachometer signal allows for real-time fan status monitoring in critical medical instrumentation and telecommunications equipment.

Supplemental Images


ADDA
DC BRUSHLESS
MODEL AG05012XB157600
DC 12V
0.30A
(VOMLT)
ADDA CORP.
EP
AB
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