

AG05012HB157000 ADDA 12VDC 50x50x15mm 2-Wire Axial Fan Datasheet



Brand: ADDA

SKU: [666971952577](#)

Category: Axial & Centrifugal Fans

Price: **\$8.99**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/ag05012hb157000-adda-12vdc-50x50x15mm-2-wire-axial-fan>

Product Description

The ADDA AG05012HB157000 is a precision-engineered DC Axial Fan designed for high-reliability thermal management applications. Featuring a robust Double Ball Bearing architecture, this unit ensures extended operational longevity and superior structural rigidity under continuous load. The 50x50x15mm frame houses an aerodynamically optimized impeller that balances static pressure with airflow efficiency, minimizing thermal impedance within compact enclosures. Operating at 12VDC with a current draw of 0.17A, the AG05012HB157000 utilizes advanced brushless motor technology to deliver consistent cooling performance while maintaining low electromagnetic interference, making it suitable for sensitive electronic environments requiring dependable heat dissipation.

Model Number: AG05012HB157000

Brand: ADDA

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 10.8 - 13.2 VDC

Rated Current: 0.17 A

Power Consumption: 2.04 W

Rated Speed: 6000 RPM

Bearing Type: Double Ball Bearing

Max. Air Flow: 14.5 CFM (24.6 m³/h / 0.41 m³/min)
Max. Static Pressure: 4.8 mmH₂O (47.1 Pa / 0.19 inH₂O)
Dimensions: 50 x 50 x 15 mm
Weight: 28 g
Life Expectancy: 70,000 Hours at 40°C
Noise Level: 34.0 dB(A)
Frame Material: PBT Thermoplastic (UL94V-0)
Impeller Material: PBT Thermoplastic (UL94V-0)
Termination: 2-Wire Leads (Red +, Black -)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Ingress Protection: IP20
Insulation Resistance: >10M Ohm at 500VDC
Dielectric Strength: 500VAC for 1 Minute
Safety Certifications: UL, cUL, TUV, CE

This cooling solution is frequently integrated into compact electronic assemblies where space is at a premium but thermal loads are significant. Common deployments include 1U server chassis, network switches, and industrial automation controllers. The AG05012HB157000 is also widely utilized in medical instrumentation and telecommunications equipment, providing critical airflow to prevent component overheating. Engineers rely on the AG05012HB157000 for its balance of size and performance in 24/7 operational environments.

Supplemental Images

