# AG08012XB257200 ADDA 12VDC 0.44A 80x80x25mm Axial Fan Datasheet


**Brand:** ADDA

**SKU:** 683936286548

**Category:** Axial & Centrifugal Fans

**Price:** **$17.99**

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Product Page:
https://www.equipspares.com/product/ag08012xb257200-adda-12vdc-0-44a-80x80x25mm-axial-fan

## Product Description

The ADDA AG08012XB257200 is a precision-engineered DC Axial Fan designed for demanding thermal management applications requiring high static pressure and consistent airflow. Utilizing advanced Dual Ball Bearing architecture, this unit ensures exceptional rotational stability and longevity, significantly reducing friction-induced heat compared to standard sleeve bearing alternatives. The 80mm frame houses an aerodynamically optimized impeller that maximizes volumetric efficiency while maintaining structural rigidity under high-speed operation. Engineered with a robust 12VDC motor, it delivers reliable performance with a current draw of 0.44A, making it an ideal solution for systems requiring effective thermal impedance reduction and continuous duty cycles in harsh industrial environments.

Model Number: AG08012XB257200
Brand: ADDA Corporation
Product Type: DC Axial Fan
Rated Voltage: 12 VDC
Voltage Range: 10.8 - 13.2 VDC
Rated Current: 0.44 A
Input Power: 5.28 W
Rated Speed: 4500 RPM (Nominal)
Bearing Type: Dual Ball Bearing

Max. Air Flow: 60.0 CFM (101.9 $m^3/h$)
Max. Static Pressure: 8.5 $mmH_2O$ (83.3 Pa)
Dimensions: 80 x 80 x 25 mm
Weight: 86 g
Termination: 3-Wire (Lead Wire)
Wire Function: Red (+), Black (-), Yellow (Sensor/Tachometer)
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
Noise Level: 42.5 dB(A)
Mounting Orientation: Any
Ingress Protection: IP20
Safety Certifications: UL, cUL, TUV, CE

This high-performance cooling solution is specifically tailored for industrial automation and IT infrastructure. The AG08012XB257200 excels in server rack enclosures, power supply units, and network switches where dense component packaging restricts natural convection. Additionally, the AG08012XB257200 is frequently integrated into telecommunications equipment, CNC machinery control panels, and medical instrumentation, ensuring critical components remain within safe operating temperature ranges to prevent thermal throttling or hardware failure.

## Supplemental Images