

# AS08012XB259300 ADDA 12VDC 80x80x25mm 3-Wire Axial Fan Datasheet



**Brand:** ADDA

**SKU:** [1012411607925](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$11.99**

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Product Page:

<https://www.equipspares.com/product/as08012xb259300-adda-12vdc-80x80x25mm-3-wire-axial-fan>

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## Product Description

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The ADDA AS08012XB259300 is a precision-engineered DC axial fan designed for high-demand thermal management applications requiring substantial airflow and static pressure. Utilizing advanced brushless DC motor technology, this unit delivers exceptional performance while maintaining structural rigidity through its reinforced thermoplastic housing. The aerodynamic impeller geometry is optimized to minimize turbulence and maximize air throughput, ensuring efficient heat dissipation in dense electronic enclosures. Featuring a robust ball bearing system, indicated by its high-current specification, it offers reduced friction coefficient and extended operational lifespan under continuous load. The integrated 3-wire interface supports tachometer signal output, allowing for real-time speed monitoring and precise thermal regulation within critical industrial systems, ensuring optimal thermal impedance management.

Model Number: AS08012XB259300

Brand: ADDA

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 10.8 - 13.2 VDC

Rated Current: 0.57 A

Power Consumption: 6.84 W

Rated Speed: 4800 RPM (Nominal)

Bearing Type: Dual Ball Bearing  
Max. Air Flow: 60.0 CFM (101.9 m<sup>3</sup>/h / 1.70 m<sup>3</sup>/min)  
Max. Static Pressure: 9.14 mmH<sub>2</sub>O (89.6 Pa / 0.36 inH<sub>2</sub>O)  
Dimensions: 80 x 80 x 25 mm  
Weight: 86 g  
Life Expectancy: 70,000 Hours at 40°C  
Noise Level: 46.0 dB(A)  
Frame Material: PBT Thermoplastic (UL94V-0)  
Impeller Material: PBT Thermoplastic (UL94V-0)  
Termination: 3-Wire Lead (Red +, Black -, Yellow Tach)  
Operating Temperature: -10°C to +70°C  
Storage Temperature: -40°C to +70°C  
Ingress Protection: IP20 (Standard)  
Insulation Class: Class A  
Motor Protection: Impedance Protected, Reverse Polarity  
Speed Control: Tachometer Output (FG Signal)  
Mounting Orientation: Any

Designed for rigorous industrial environments, the AS08012XB259300 excels in cooling high-density server racks, telecommunications equipment, and industrial automation control panels. Its high static pressure capabilities make it ideal for forcing air through restricted spaces found in power supply units and CNC machinery. Integrators frequently select the AS08012XB259300 for medical instrumentation and network switches where reliable, continuous thermal evacuation is critical to prevent component failure and ensure system stability.

## Supplemental Images

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