

# AD08012HX257003 ADDA 12VDC 80x80x25mm Axial Fan Datasheet



**Brand:** ADDA

**SKU:** 841995626235

**Category:** Axial & Centrifugal Fans

**Price:** \$12.99

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Product Page:

<https://www.equipspares.com/product/ad08012hx257003-adda-12vdc-80x80x25mm-axial-fan>

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## Product Description

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ADDA AD08012HX257003 is a 12VDC 80x80x25mm Axial Fan optimized for high-density thermal management in industrial automation environments. This unit features ADDA's proprietary Hypro bearing architecture, which balances the cost-effectiveness of sleeve bearings with the longevity of ball bearings by reducing friction and thermal impedance. The aerodynamic impeller design is engineered for structural rigidity, ensuring stable airflow delivery even under significant backpressure. Operating at 0.18A with a rated speed of 3000 RPM, it generates a robust 38.6 CFM of airflow while maintaining a low acoustic profile of 33.4 dB(A), making it an ideal solution for noise-sensitive electronic enclosures.

Model Number: AD08012HX257003

Brand: ADDA

Product Type: Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 10.8 - 13.2 VDC

Rated Current: 0.18 A

Power: 2.16 W

Rated Speed: 3000 RPM

Bearing Type: Hypro Bearing

Max. Air Flow: 38.6 CFM (65.58 m<sup>3</sup>/h / 1.09 m<sup>3</sup>/min)

Max. Static Pressure: 3.81 mmH<sub>2</sub>O (37.36 Pa / 0.15 inH<sub>2</sub>O)

Dimensions: 80 x 80 x 25 mm

Weight: 76 g

Life Expectancy: 50000 Hours at 25°C

Noise Level: 33.4 dB(A)

Housing Material: Plastic (UL94V-0)

Blade Material: Plastic (UL94V-0)

Termination: 2 Lead Wires

Operating Temperature: -10 to +70 °C

Storage Temperature: -40 to +70 °C

Protection: Impedance Protected

Certifications: UL, CUL, TUV, CE

#### AD08012HX257003 Applications

1. VFD Control Cabinets: High static pressure capability allows for efficient heat dissipation through dense internal componentry in variable frequency drives.
2. 2U Rackmount Chassis: The 25mm depth and optimized RPM profile provide the necessary CFM to maintain low thermal impedance in standardized server rack environments.
3. Industrial Power Supplies: Serves as a reliable replacement fan for 12V switch-mode power units requiring consistent laminar flow to prevent capacitor degradation.

## Supplemental Images

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