

# AD0312LX-K70 ADDA 12VDC 30x30x10mm Hypro Axial Fan Datasheet



**Brand:** ADDA

**SKU:** [990932179201](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$7.99**

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Product Page:

<https://www.equipspares.com/product/ad0312lx-k70-adda-12vdc-30x30x10mm-hypro-axial-fan>

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## Product Description

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The ADDA AD0312LX-K70 is a compact DC axial fan engineered for precision thermal management in space-constrained electronic assemblies. Utilizing ADDA's proprietary Hypro bearing technology, this unit balances the longevity of ball bearings with the acoustic profile of sleeve bearings, ensuring optimal operational stability and reduced friction coefficients. The 30mm frame is constructed from reinforced thermoplastic, providing high structural rigidity while minimizing vibration transmission. Driven by an efficient DC brushless motor, the AD0312LX-K70 delivers consistent airflow with low power consumption, effectively lowering thermal impedance in sensitive circuitry. Its aerodynamic impeller design maximizes static pressure delivery relative to its compact footprint, making it a reliable solution for continuous duty cycles in industrial and consumer electronics.

Model Number: AD0312LX-K70

Brand: ADDA

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 10.8 - 13.2 VDC

Rated Current: 0.06 A

Input Power: 0.72 W

Rated Speed: 7500 RPM

Bearing Type: Hypro (Hydraulic) Bearing

Max. Air Flow: 3.20 CFM (5.43 m<sup>3</sup>/h / 0.09 m<sup>3</sup>/min)  
Max. Static Pressure: 2.28 mmH<sub>2</sub>O (22.4 Pa / 0.09 inH<sub>2</sub>O)  
Dimensions: 30 x 30 x 10 mm  
Weight: 8.0 g  
Life Expectancy: 40,000 Hours at 40°C  
Noise Level: 22.0 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  
Motor Protection: Impedance Protected  
Polarity Protection: Reverse Polarity Protected  
Insulation Resistance: > 10M Ohm at 500VDC  
Dielectric Strength: 500VAC for 1 Minute  
Certifications: UL, CUL, TUV, CE

The AD0312LX-K70 is specifically designed for integration into compact electronic devices where internal space is at a premium and acoustic noise must be minimized. Common deployment scenarios include cooling chipsets in embedded systems, ventilating handheld medical diagnostic equipment, and thermal regulation in portable telecommunications gear. The AD0312LX-K70 is also frequently utilized in DVR systems, small-form-factor power supplies, and IoT gateways, providing necessary airflow to prevent component hotspots without adding significant noise or weight to the final assembly.

## Supplemental Images

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