

AD0405HX-G70 ADDA 5VDC 40x40x10mm Hydraulic Axial Fan Datasheet



Brand: ADDA

SKU: [989373029442](#)

Category: Axial & Centrifugal Fans

Price: **\$9.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/ad0405hx-g70-adda-5vdc-40x40x10mm-hydraulic-axial-fan>

Product Description

The ADDA AD0405HX-G70 is a precision-engineered DC axial fan designed for compact thermal management in high-density electronic environments. Utilizing advanced brushless DC motor technology, this unit delivers consistent rotational stability and optimized torque characteristics. The fan features a specialized hydraulic bearing system, which significantly reduces friction coefficients compared to standard sleeve bearings, thereby enhancing longevity and minimizing acoustic resonance. Its aerodynamic impeller design is calibrated to maximize static pressure while maintaining efficient airflow throughput. Constructed with robust thermoplastic housing, the AD0405HX-G70 ensures structural rigidity and reliable performance under continuous operation, making it an ideal solution for critical cooling applications requiring a balance of size, power, and thermal impedance management.

Model Number: AD0405HX-G70

Brand: ADDA

Product Type: DC Axial Fan

Rated Voltage: 5VDC

Voltage Range: 4.5 - 5.5 VDC

Rated Current: 0.19 A

Input Power: 0.95 W

Rated Speed: 6000 RPM

Bearing Type: Hydraulic (Hypro) Bearing
Max. Air Flow: 6.7 CFM (11.38 m³/h / 0.19 m³/min)
Max. Static Pressure: 2.92 mmH₂O (28.63 Pa / 0.11 inH₂O)
Dimensions: 40 x 40 x 10 mm
Weight: 18 g
Life Expectancy: 40,000 Hours at 40°C
Noise Level: 29.0 dB(A)
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
Termination: Lead Wires (UL1007 AWG26)
Ingress Protection: IP20
Insulation Resistance: >10M Ohm at 500VDC
Dielectric Strength: 500VAC for 1 Minute
Safety Certifications: UL, CUL, TUV, CE
Motor Protection: Impedance Protected
Rotation Direction: Counter-clockwise (viewed from front)

The AD0405HX-G70 is engineered for versatile integration into compact electronic assemblies where space constraints dictate the thermal solution. Common deployment scenarios include cooling chipsets in embedded systems, ventilating small form-factor power supplies, and managing temperatures in portable medical instrumentation. The AD0405HX-G70 is also frequently utilized in network switchgear, DVR systems, and 3D printer hotend cooling, providing essential airflow to prevent thermal throttling in densely packed component layouts.

Supplemental Images

