

AD0424HX-C50 ADDA 24VDC 40x40x20mm Hypro Axial Fan Datasheet



Brand: ADDA

SKU: [987278278311](#)

Category: Axial & Centrifugal Fans

Price: **\$16.99**

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Product Page:

<https://www.equipspares.com/product/ad0424hx-c50-adda-24vdc-40x40x20mm-hypro-axial-fan>

Product Description

The ADDA AD0424HX-C50 is a precision-engineered DC Axial Fan designed for applications requiring reliable thermal management within a compact footprint. Utilizing ADDA's proprietary Hypro bearing technology, this unit offers an optimized balance between operational longevity and acoustic performance, providing a robust alternative to standard sleeve bearings. The 24VDC motor assembly is housed within a reinforced thermoplastic frame, ensuring structural rigidity under thermal stress and vibration. Its aerodynamic impeller design maximizes airflow efficiency while minimizing turbulence, effectively reducing thermal impedance in high-density electronic enclosures. This component is specifically calibrated for consistent performance in industrial environments, delivering sustained cooling power with minimal power consumption.

Model Number: AD0424HX-C50

Brand: ADDA

Product Type: DC Axial Fan

Rated Voltage: 24VDC

Voltage Range: 21.6 - 26.4 VDC

Rated Current: 0.09 A

Input Power: 2.16 W

Rated Speed: 6800 RPM

Bearing Type: Hypro Bearing

Max. Air Flow: 7.8 CFM (13.25 m³/h)

Max. Static Pressure: 5.82 mmH₂O (57.07 Pa / 0.23 inH₂O)

Dimensions: 40 x 40 x 20 mm

Weight: 28.0 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)

Termination: 2-Wire Leads (Red +, Black -)

Wire Gauge: 26 AWG

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP20

Insulation Resistance: >10M Ohm at 500VDC

Dielectric Strength: 500VAC for 1 Minute

Safety Certifications: UL, CUL, TUV, CE

Protection: Impedance Protected, Reverse Polarity Protection

The AD0424HX-C50 is frequently integrated into compact industrial electronics where space is at a premium but heat dissipation cannot be compromised. Common deployment scenarios include 1U server rack power supplies, telecommunications switching equipment, and small-form-factor drive enclosures. The AD0424HX-C50 ensures critical components remain within safe operating temperature ranges, preventing thermal throttling in network routers and embedded control systems utilized in automation and medical instrumentation.

Supplemental Images

