AD0405HX-K90 ADDA 5VDC 40x40x20mm Hypro Bearing Axial Fan Datasheet

Brand: ADDA

SKU: 991470655518

Category: Axial & Centrifugal Fans

Price: **$9.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/ad0405hx-k90-adda-5vdc-40x40x20mm-hypro-bearing-axial-fan

Product Description

The ADDA AD0405HX-K90 is a compact DC Axial Fan engineered for high-density electronic applications requiring reliable thermal management. Utilizing ADDA's proprietary Hypro Bearing technology, this unit bridges the gap between sleeve and ball bearings, offering reduced friction and extended operational lifespan through an advanced oil-impregnation system. The 40mm frame is constructed from reinforced PBT, ensuring structural rigidity and resistance to thermal deformation under continuous load. Designed with an optimized impeller geometry, the fan delivers a favorable ratio of airflow to static pressure, minimizing thermal impedance in restricted enclosures while maintaining acoustic efficiency.

Model Number: AD0405HX-K90
Brand: ADDA
Product Type: DC Axial Fan
Rated Voltage: 5VDC
Voltage Range: 4.5 - 5.5 VDC
Rated Current: 0.12 A
Input Power: 0.60 W
Rated Speed: 6000 RPM
Bearing Type: Hypro Bearing
Max. Air Flow: 7.7 CFM (13.1 m^3/h / 0.22 m^3/min)

Max. Static Pressure: 4.19 mmH_2O (41.1 Pa / 0.165 inH_2O)
Dimensions: 40 x 40 x 20 mm
Weight: 26 g
Noise Level: 29.0 dB(A)
Frame Material: PBT (UL94V-0)
Impeller Material: PBT (UL94V-0)
Termination: 2-Wire Leads (Red/Black)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Life Expectancy: 40,000 Hours at 40°C
Motor Protection: Impedance Protected
Certifications: UL, CUL, TUV, CE

The AD0405HX-K90 is frequently integrated into compact server racks, network switches, and industrial automation controllers where space is at a premium. Its precise 5VDC operation makes it ideal for cooling chipsets in embedded systems and medical diagnostic equipment. The AD0405HX-K90 ensures consistent airflow delivery to prevent hotspots in tightly packed component arrays, serving as a critical component in maintaining system stability for telecommunications and CNC machinery interfaces.

Supplemental Images


ADDA
MODEL AD0405HX-K90
DC 5V
0.12A
HYPRO BEARING
6597