AD0412HB-D72GP ADDA 12VDC 40x40x15mm 3-Wire Axial Fan Datasheet

Brand: ADDA

SKU: 1013900105974

Category: Axial & Centrifugal Fans

Price: **$2.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/ad0412hb-d72gp-adda-12vdc-40x40x15mm-3-wire-axial-fan

Product Description

The ADDA AD0412HB-D72GP is a DC Axial Fan engineered for high-density electronic environments requiring robust thermal management and sustained airflow. Utilizing advanced Brushless DC (BLDC) motor technology paired with a precision-machined Dual Ball Bearing system, this unit ensures minimal friction and extended operational longevity under continuous load conditions. The aerodynamic impeller geometry is optimized to reduce turbulence while maximizing static pressure, effectively lowering thermal impedance in restricted enclosures. Constructed with high-rigidity thermoplastic materials, the frame maintains structural integrity against vibration, making it an ideal solution for critical industrial cooling applications where reliability is paramount.

Model Number: AD0412HB-D72GP
Brand: ADDA
Product Type: DC Axial Fan
Rated Voltage: 12 VDC
Voltage Range: 10.2 - 13.8 VDC
Rated Current: 0.30 A
Power: 3.60 W
Rated Speed: 9000 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 13.50 CFM (22.94 m^3/h / 0.38 m^3/min)

Max. Static Pressure: 10.50 mmH_2O (102.97 Pa / 0.41 inH_2O)
Dimensions: 40 x 40 x 15 mm
Weight: 30 g
Life Expectancy: 70000 hrs at 40°C
Termination: 3-Wire (Lead Wire)
Wire Gauge: 26 AWG
Speed Control: Tachometer Output (FG Signal)
Housing Material: PBT Thermoplastic (UL94V-0)
Blade Material: PBT Thermoplastic (UL94V-0)
Operating Temperature: -10 to +70 °C
Storage Temperature: -40 to +70 °C
Noise Level: 42.0 dBA
Ingress Protection: IP40
Safety Certifications: UL, CUL, TUV, CE

This cooling solution is specifically calibrated for integration into compact electronic assemblies such as server chassis, industrial power supplies, and frequency inverters. The AD0412HB-D72GP excels in maintaining optimal operating temperatures within variable frequency drives and telecommunication equipment where space is at a premium. By delivering consistent airflow, the AD0412HB-D72GP prevents thermal throttling in sensitive components, ensuring reliability in automation control panels and medical instrumentation.

Supplemental Images


ADDA
DC BRUSHLESS
MODEL AD0412HB-D72GP
DC 12V
0.30A
ADDA CORP.
TP
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