AD0824HB-D90 ADDA 24VDC 80x80x20mm Axial Cooling Fan Datasheet

Brand: ADDA

SKU: 988194731026

Category: Axial & Centrifugal Fans

Price: **$16.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/ad0824hb-d90-adda-24vdc-80x80x20mm-axial-cooling-fan

Product Description

The ADDA AD0824HB-D90 is a precision-engineered DC Axial Fan designed for critical thermal management applications requiring sustained airflow and structural rigidity. This unit integrates a robust brushless DC motor with a low-friction ball bearing architecture, ensuring reduced thermal impedance and extended operational longevity under continuous load. The aerodynamic impeller design optimizes static pressure delivery while maintaining acoustic stability. Constructed with UL94V-0 rated thermoplastic, the AD0824HB-D90 offers superior resistance to environmental stress, making it an ideal solution for industrial enclosures and electronic cooling systems where reliability is paramount.

Model Number: AD0824HB-D90
Brand: ADDA
Product Type: DC Axial Fan
Rated Voltage: 24 VDC
Voltage Range: 21.6 - 26.4 VDC
Rated Current: 0.15 A
Input Power: 3.60 W
Rated Speed: 3200 RPM
Bearing Type: Ball Bearing
Max. Air Flow: 38.0 CFM (64.56 m^3/h / 1.07 m^3/min)

Max. Static Pressure: 3.80 mmH_2O (37.26 Pa / 0.15 inH_2O)
Dimensions: 80 x 80 x 20 mm
Weight: 86 g
Life Expectancy: 70,000 Hours at 40°C
Noise Level: 34.0 dB(A)
Housing Material: PBT (UL94V-0)
Impeller Material: PBT (UL94V-0)
Termination: 2-Wire Lead (Red +, Black -)
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
Motor Protection: Impedance Protected / Reverse Polarity
Rotation Direction: Counter-clockwise (viewed from blade)

The AD0824HB-D90 is engineered for deployment in high-density electronic environments such as server rack cooling modules, telecommunications switching equipment, and industrial automation control panels. Its compact profile allows for seamless integration into power supply units and medical instrumentation where space is constrained but thermal dissipation cannot be compromised. By delivering consistent airflow, the AD0824HB-D90 effectively mitigates heat buildup in CNC machinery controllers and network storage devices, ensuring system stability and preventing component failure due to thermal stress.

Supplemental Images


ADDA
DC BRUSHLESS
MODEL AD0824HB-D90
DC 24V
0.15A
ADDA CORP.
ZD
(T)
TY
EP
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MADE IN CHINA