AK1782HB ADDA 220VAC 172x150x51mm Axial Fan Datasheet

Brand: ADDA

SKU: 1033859208712

Category: Axial & Centrifugal Fans

Price: **$107.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page: https://www.equipspares.com/product/ak1782hb-adda-220vac-172x150x51mm-axial-fan

Product Description

ADDA AK1782HB is a 220VAC 172x150x51mm Axial Fan optimized for high-density thermal management in industrial enclosures. This unit features a robust AC induction motor and a precision dual ball bearing architecture designed to minimize thermal impedance and maintain structural rigidity under continuous duty cycles. Engineered for high-pressure environments, the aerodynamic impeller delivers consistent airflow to mitigate heat soak in sensitive electronics. Operating at 0.23A with a frequency-optimized speed profile, this fan provides the necessary static pressure to overcome internal resistance in tightly packed cabinets while ensuring long-term mechanical reliability.

Model Number: AK1782HB
Brand: ADDA
Product Type: AC Axial Fan
Rated Voltage: 230 VAC
Voltage Range: 200 - 240 VAC
Frequency: 50 / 60 Hz
Rated Current: 0.21 / 0.23 A
Power: 38 / 46 W
Rated Speed: 2800 / 3200 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 190 / 225 CFM

Max. Static Pressure: 0.62 / 0.75 inH2O
Dimensions: 172 x 150 x 51 mm
Weight: 910 g
Life Expectancy: 50,000 Hours at 25°C
Housing Material: Die-Cast Aluminum (Black Paint)
Blade Material: Thermoplastic (UL94V-0)
Termination: 2 Flat Pin Terminals
Operating Temperature: -10 to +70 °C
Storage Temperature: -40 to +80 °C
Insulation Class: Class B
Safety Certifications: UL, CUL, TUV, CE
Protection: Impedance Protected

AK1782HB Applications

1. Industrial Control Cabinets: High static pressure capability allows for efficient heat extraction through dense wiring and VFD components, serving as a high-reliability replacement fan for legacy thermal systems.
2. Elevator Control Systems: The dual ball bearing architecture ensures low-vibration operation and extended service life in vertical transport power modules.
3. Telecommunication Base Stations: The ruggedized die-cast aluminum frame provides the structural rigidity required for outdoor enclosure cooling where environmental stability is critical.

Supplemental Images


ADDA
AC AXIAL FAN
MODEL:AK1782HB
AC200-240V~50/60Hz
0.21/0.23A
ADDA CORP.
2425