AD17224MB5151M0 ADDA 24VDC 1.65A 172x50x51mm Axial Fan Datasheet

Brand: ADDA

SKU: 994134407860

Category: Axial & Centrifugal Fans

Price: **$64.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/ad17224mb5151m0-adda-24vdc-1-65a-172x50x51mm-axial-fan

Product Description

The ADDA AD17224MB5151M0 is a robust DC Axial Fan engineered for critical thermal management in high-load industrial environments. Utilizing advanced DC motor technology paired with a precision ball bearing architecture, this unit ensures sustained operational stability and reduced frictional wear over extended lifecycles. The aerodynamic impeller design is optimized to minimize thermal impedance while maximizing static pressure capabilities, making it ideal for overcoming the high resistance found in densely packed electronic enclosures. Constructed with a die-cast aluminum frame for superior structural rigidity and heat dissipation, the fan maintains performance integrity under thermal stress. Its 2-wire configuration simplifies integration into existing power infrastructures, specifically targeting heavy-duty inverter and drive cooling applications.

Model Number: AD17224MB5151M0
Brand: ADDA
Product Type: DC Axial Fan
Rated Voltage: 24VDC
Voltage Range: 14.0 - 27.6 VDC
Rated Current: 1.65 A
Power: 39.6 W
Rated Speed: 3800 RPM
Bearing Type: Ball Bearing

Max. Air Flow: 265.0 CFM (450.2 m^3/h / 7.50 m^3/min)
Max. Static Pressure: 22.5 mmH_2O (220.6 Pa / 0.89 inH_2O)
Dimensions: 172mm x 150mm x 51mm
Frame Style: Side Cut (Oval)
Weight: 820 g
Life Expectancy: 70,000 Hours at 40°C
Noise Level: 58.0 dB(A)
Frame Material: Aluminum Die-Cast
Blade Material: UL94V-0 Reinforced Plastic (PBT)
Termination: 2 Lead Wires (Red +, Black -)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Ingress Protection: IP20
Insulation Class: Class B
Safety Certifications: UL, cUL, TUV, CE

The AD17224MB5151M0 is specifically designed for high-demand industrial cooling scenarios, prominently featuring in the thermal management systems of ABB and Inovance (汇川) variable frequency drives and inverters. Its high static pressure profile makes it an excellent choice for forcing air through restrictive heatsinks in server racks, CNC control cabinets, and telecommunications power supplies. By maintaining optimal operating temperatures, the AD17224MB5151M0 prevents thermal throttling in sensitive automation equipment, ensuring continuous uptime in manufacturing and energy sectors.

Supplemental Images


ADDA
DC BRUSHLESS
MODEL AD17224MB5151M0
DC 24V
1.65A (0CWD35)
ADDA CORP.