

# AD17224DB5152M0 ADDA 24VDC 172x51mm 3-Wire Axial Fan Datasheet



**Brand:** ADDA

**SKU:** 983383885723

**Category:** Axial & Centrifugal Fans

**Price:** \$55.99

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Product Page:

<https://www.equipspares.com/product/ad17224db5152m0-adda-24vdc-172x51mm-3-wire-axial-fan>

## Product Description

The ADDA AD17224DB5152M0 is a high-performance DC axial fan engineered for rigorous industrial thermal management applications. Featuring a robust die-cast aluminum frame and a thermoplastic PBT impeller, this unit is designed to withstand high static pressure requirements while maintaining structural rigidity. The fan utilizes a precision dual ball bearing system, which significantly reduces frictional coefficient and enhances radial load capacity, ensuring a long service life even under continuous operation. Its advanced motor design optimizes torque and efficiency, delivering substantial airflow with managed thermal impedance. This cooling solution is specifically calibrated for environments requiring consistent heat dissipation and reliable aerodynamic performance.

Model Number: AD17224DB5152M0

Brand: ADDA

Product Type: DC Axial Fan

Rated Voltage: 24VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 1.00 A

Power Consumption: 24.0 W

Rated Speed: 3200 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 235.0 CFM (399.2 m<sup>3</sup>/h / 6.65 m<sup>3</sup>/min)

Max. Static Pressure: 0.76 inH<sub>2</sub>O (189.4 Pa / 19.3 mmH<sub>2</sub>O)

Dimensions: 172mm x 150mm x 51mm (Side Cut Frame)

Weight: 890 g

Noise Level: 55.0 dB(A)

Termination: 3-Wire (Lead Wire)

Wire Function: Red (+), Black (-), Blue/White (Signal/Tachometer)

Frame Material: Aluminum Die-Cast

Impeller Material: Thermoplastic PBT (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Life Expectancy: 70,000 Hours at 40°C

Ingress Protection: IP20 (Standard)

Motor Protection: Locked Rotor Protection, Polarity Protection

The AD17224DB5152M0 is extensively utilized in industrial automation and power conversion systems, specifically serving as a critical cooling component for variable frequency drives (VFDs) and large-scale inverters. Its robust airflow capabilities make it an ideal choice for ventilating server racks, telecommunications cabinets, and CNC machine control panels where high heat density is a concern. Engineers rely on the AD17224DB5152M0 to maintain optimal operating temperatures in enclosed chassis, preventing thermal throttling and extending the lifespan of sensitive electronic components in 24/7 operational environments.

## Supplemental Images

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