

AD0424XB-B51DS ADDA 24VDC 40x40x28mm 2-Wire Axial Fan Datasheet



Brand: ADDA

SKU: [1009150806210](#)

Category: Axial & Centrifugal Fans

Price: **\$9.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/ad0424xb-b51ds-adda-24vdc-40x40x28mm-2-wire-axial-fan>

Product Description

The ADDA AD0424XB-B51DS is a high-performance DC Axial Fan engineered for critical thermal management in compact industrial environments. Utilizing a robust brushless DC motor architecture paired with a precision ball bearing system, this unit is designed to withstand continuous operation while minimizing frictional wear and thermal impedance. The aerodynamic impeller geometry is optimized to deliver high static pressure, ensuring effective airflow penetration through dense component arrays. Constructed with structural rigidity in mind, the AD0424XB-B51DS maintains stability at high rotational speeds, making it an ideal solution for maintaining the reliability and longevity of power electronics and automation systems.

Model Number: AD0424XB-B51DS

Brand: ADDA

Product Type: DC Axial Fan

Rated Voltage: 24VDC

Voltage Range: 21.6 - 26.4 VDC

Rated Current: 0.50 A

Power Consumption: 12.00 W

Rated Speed: 13500 RPM

Bearing Type: Ball Bearing

Max. Air Flow: 24.50 CFM (41.63 m³/h / 0.69 m³/min)

Max. Static Pressure: 28.45 mmH₂O (279.00 Pa / 1.12 inH₂O)

Dimensions: 40x40x28mm

Weight: 48 g

Life Expectancy: 70,000 Hours @ 40°C

Noise Level: 54.0 dB(A)

Termination: 2-Wire Lead with Plug

Housing Material: PBT Plastic (UL94V-0)

Impeller Material: PBT Plastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP20

Safety Certifications: UL, CUL, TUV, CE

The AD0424XB-B51DS is specifically calibrated for integration into high-density industrial equipment where space constraints and heat loads are significant. Primary applications include the active cooling of industrial inverters, variable frequency drives (VFDs), and compact power supply units. Furthermore, the AD0424XB-B51DS is frequently deployed in server rack enclosures and telecommunication modules, providing the necessary airflow to prevent thermal throttling in sensitive electronic components.

Supplemental Images

