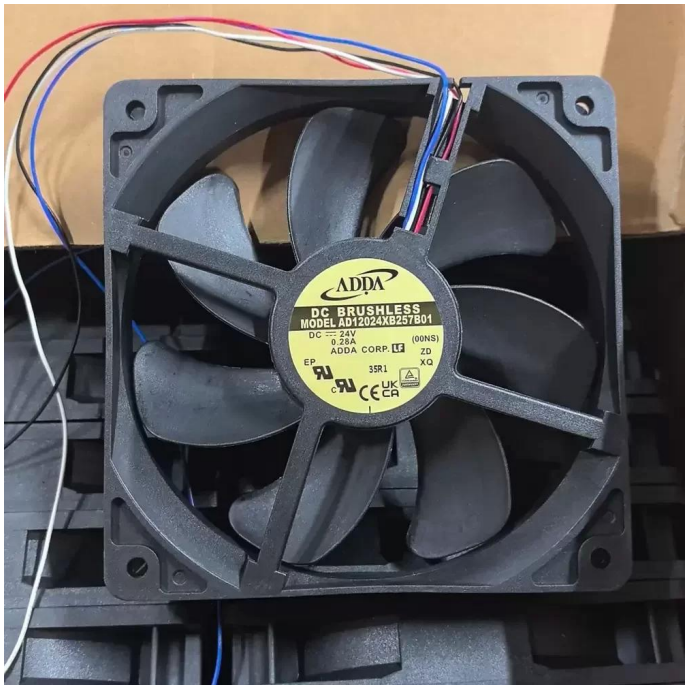
# AD12024XB257B01 ADDA 24VDC 120x120x25mm PWM Axial Fan Datasheet




**Brand:** ADDA

**SKU:** 991084297881

**Category:** Axial & Centrifugal Fans

**Price:** **$14.99**

**E-mail:** sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/ad12024xb257b01-adda-24vdc-120x120x25mm-pwm-axial-fan

## Product Description

The ADDA AD12024XB257B01 is a precision-engineered DC axial fan designed for high-performance thermal management in industrial environments. Utilizing advanced brushless DC motor technology combined with a durable two-ball bearing system, this unit ensures reduced friction and extended operational lifespan under continuous load. The aerodynamic impeller design optimizes static pressure and airflow delivery, making it ideal for overcoming high thermal impedance in dense electronic enclosures. Constructed with structural rigidity in mind, the fan features integrated Pulse Width Modulation (PWM) for precise speed control, allowing for dynamic acoustic and thermal regulation based on system demand.

Model Number: AD12024XB257B01
Brand: ADDA
Product Type: DC Axial Fan
Rated Voltage: 24VDC
Operating Voltage Range: 14.0 - 27.6 VDC
Rated Current: 0.28A
Input Power: 6.72W
Dimensions: 120x120x25mm
Bearing Type: Two Ball Bearing
Speed Control: 4-Wire PWM

Motor Type: Brushless DC (BLDC)
Air Flow: High Capacity
Termination: 4-Wire Leads
Housing Material: PBT Plastic (UL94V-0)
Blade Material: PBT Plastic (UL94V-0)
Mounting Orientation: Any
Operating Temperature: -10°C to +70°C
Life Expectancy: 70,000 Hours at 40°C

The AD12024XB257B01 is specifically engineered for demanding industrial applications requiring reliable forced-air cooling. Common deployments include welding machines, where consistent airflow is critical for transformer cooling, and chassis power supplies that generate significant waste heat. The AD12024XB257B01 is also suitable for server racks, telecommunications cabinets, and automation control panels, providing the necessary thermal dissipation to maintain component longevity and system stability in 24/7 operational environments.

## Supplemental Images