

AD0824MB-D90 ADDA 24VDC 80x80x20mm Brushless Axial Fan Datasheet



Brand: ADDA

SKU: [984827827234](#)

Category: Axial & Centrifugal Fans

Price: **\$17.99**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/ad0824mb-d90-adda-24vdc-80x80x20mm-brushless-axial-fan>

Product Description

The ADDA AD0824MB-D90 is a precision-engineered DC axial fan designed for rigorous thermal management in industrial electronics. Utilizing advanced brushless DC motor technology combined with a durable ball bearing architecture, this unit ensures consistent airflow with significantly reduced mechanical friction and vibration. The 80mm frame is constructed from reinforced thermoplastic, offering high structural rigidity and resistance to environmental stress. Its aerodynamic impeller design optimizes static pressure capabilities while maintaining a balanced thermal impedance profile, making it suitable for continuous operation in demanding environments requiring reliable heat dissipation and long-term stability.

Model Number: AD0824MB-D90

Brand: ADDA

Product Type: DC Axial Fan

Rated Voltage: 24VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.10 A

Input Power: 2.40 W

Rated Speed: 2900 RPM

Bearing Type: Ball Bearing

Max. Air Flow: 32.5 CFM (55.2 m³/h / 0.92 m³/min)

Max. Static Pressure: 3.56 mmH₂O (34.9 Pa / 0.14 inH₂O)

Dimensions: 80 x 80 x 20 mm

Weight: 86 g

Life Expectancy: 70,000 Hours at 40°C

Noise Level: 31.0 dB(A)

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

Insulation Class: Class A

Termination: 2 Lead Wires (Red +, Black -)

Safety Certifications: UL, CUL, TUV, CE

The AD0824MB-D90 is engineered for critical cooling applications within industrial automation and telecommunications infrastructure. Frequently integrated into server rack enclosures, power supply units, and network switches, this fan provides the necessary airflow to prevent thermal throttling. The AD0824MB-D90 is also widely utilized in CNC machinery control panels and medical instrumentation where consistent thermal regulation is paramount for component longevity and system reliability.

Supplemental Images

