

AD0824HB-F7BDS ADDA 24VDC 80x80x38mm PWM Axial Fan Datasheet



Brand: ADDA

SKU: [993544192452](#)

Category: Axial & Centrifugal Fans

Price: **\$23.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/ad0824hb-f7bds-adda-24vdc-80x80x38mm-pwm-axial-fan>

Product Description

The ADDA AD0824HB-F7BDS is a robust DC Axial Fan engineered for high-reliability thermal management in industrial electronics. Utilizing advanced DC brushless motor technology paired with a precision dual ball bearing architecture, this unit delivers exceptional longevity and reduced frictional wear under continuous high-speed operation. The aerodynamic impeller design is optimized for high static pressure, effectively overcoming thermal impedance in dense enclosures such as variable frequency drives and server racks. Featuring Pulse Width Modulation (PWM) capability, the fan allows for dynamic speed regulation, ensuring energy efficiency and acoustic control while maintaining structural rigidity and consistent cooling performance in demanding environments.

Model Number: AD0824HB-F7BDS

Brand: ADDA Corporation

Product Type: DC Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.40 A

Input Power: 9.60 W

Rated Speed: 4800 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 62.23 CFM (105.7 m³/h / 1.76 m³/min)

Max. Static Pressure: 11.2 mmH₂O (109.8 Pa / 0.44 inH₂O)

Dimensions: 80 x 80 x 38 mm

Weight: 175 g

Life Expectancy: 70,000 Hours at 40°C

Speed Control: PWM (Pulse Width Modulation)

Termination: 4-Wire Leads

Wire Configuration: Red (+), Black (-), Yellow (Tach), Blue (PWM)

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

Noise Level: 46.0 dB(A)

Certifications: UL, cUL, TUV, CE

Motor Protection: Locked Rotor Protection, Polarity Protection

The AD0824HB-F7BDS is specifically designed for critical cooling applications requiring high static pressure, such as variable frequency drive (VFD) inverters and industrial automation control panels. Its precise PWM control makes the AD0824HB-F7BDS an ideal choice for intelligent server rack cooling and telecommunications equipment, where maintaining stable operating temperatures is essential for system reliability and component longevity.

Supplemental Images

