# AD0812XB-A7FGP ADDA 12VDC 80x80x25mm 4-Wire Axial Fan Datasheet


**Brand:** ADDA

**SKU:** 948609330997

**Category:** Axial & Centrifugal Fans

**Price:** **$10.99**

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

**Web:** https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/ad0812xb-a7fgp-adda-12vdc-80x80x25mm-4-wire-axial-fan

## Product Description

The ADDA AD0812XB-A7FGP is a precision-engineered DC axial fan designed for high-density thermal management applications requiring robust airflow and reliability. Utilizing advanced dual ball bearing architecture, this unit ensures exceptional rotational stability and longevity, significantly reducing friction and heat generation during continuous operation. The aerodynamic impeller design minimizes turbulence while maximizing static pressure, effectively overcoming high thermal impedance in restricted enclosures. Constructed with industrial-grade thermoplastic, the frame offers superior structural rigidity and vibration damping. This 12VDC cooling solution integrates a 4-wire interface, enabling precise Pulse Width Modulation (PWM) speed control for optimized acoustic performance and energy efficiency in critical electronic systems.

Model Number: AD0812XB-A7FGP
Brand: ADDA
Product Type: DC Axial Fan
Rated Voltage: 12VDC
Voltage Range: 10.8 - 13.2 VDC
Rated Current: 0.55 A
Power Consumption: 6.60 W
Rated Speed: 4800 RPM ±10%
Bearing Type: Dual Ball Bearing

Max. Air Flow: 60.0 CFM (101.9 $m^3/h$ / 1.70 $m^3/min$)
Max. Static Pressure: 9.14 $mmH_2O$ (89.6 Pa / 0.36 $inH_2O$)
Dimensions: 80 x 80 x 25 mm
Weight: 86 g
Life Expectancy: 70,000 Hours at 40°C
Termination: 4-Wire (PWM/Tachometer)
Speed Control: PWM (Pulse Width Modulation)
Noise Level: 46.0 dB(A)
Frame Material: PBT Thermoplastic (UL94V-0)
Impeller Material: PBT Thermoplastic (UL94V-0)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Ingress Protection: IP20
Insulation Resistance: >10M Ohm at 500VDC
Dielectric Strength: 500VAC for 1 Minute
Safety Certifications: UL, CUL, TUV, CE
Direction of Rotation: Counter-clockwise (Viewed from front)

The AD0812XB-A7FGP is specifically engineered for demanding cooling environments such as high-performance computer chassis, industrial power supply units (PSUs), and variable frequency drives (VFDs). Its high static pressure capabilities make it ideal for forcing air through dense heatsinks and tightly packed server racks. Additionally, the AD0812XB-A7FGP serves as a critical component in telecommunications equipment and medical devices where reliable thermal dissipation is paramount to prevent component failure and ensure system stability.

## Supplemental Images