

# **AD0848VB-A7BGP ADDA 48V 0.18A DC Axial Fan 80x80x25mm**

**SKU:** AD0848VB-A7BGP

**Price:** \$10.99

**Categories:** Fans

**Tags:** ADDA

**Product Link:**

<https://www.electspares.com/product/ad0848vb-a7bgp-adda-48v-0-18a-dc-axial-fan-80x80x25mm/>

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## **Product Description**

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The ADDA AD0848VB-A7BGP is a high-performance industrial DC Axial Fan with dimensions of 80 x 80 x 25 mm. Driven by a high-torque Brushless DC Motor, this 0848 series model is engineered as a robust thermal solution operating on a nominal 48 VDC. It delivers a powerful maximum airflow of 69 CFM (117.2 m<sup>3</sup>/h) at a high rated speed of 5000 RPM. With a rated current of 0.18 A and a power input of 8.64 W, it is specifically designed to generate the high static pressure (0.38 inAq) required to overcome the airflow resistance in densely packed 48V telecommunications cabinets and industrial inverter systems. This specialized 4-wire version features a premium dual-ball bearing system and a 7-blade aerodynamic impeller for maximum service life. Equipped with both PWM speed control and tachometer signal output, the AD0848VB-A7BGP provides intelligent, energy-efficient thermal management for high-density networking equipment and mission-critical power electronics.

AD0848VB-A7BGP Fan Parameters

Manufacturer: ADDA

Model Number: AD0848VB-A7BGP

Motor Design: Brushless DC Motor

Type: DC Axial Fan (High Speed PWM Series)

Dimensions: 80 x 80 x 25 mm

Impeller Size: 76 mm

Nominal Voltage: 48 VDC

Operating Voltage Range: 36.0 to 56.0 VDC

Starting Voltage: 30.0 VDC

Speed: 5000 RPM

Power Input: 8.64 W

Rated Current: 0.18 A  
Max. Airflow: 69 CFM (117.2 m<sup>3</sup>/h)  
Max. Static Pressure: 94.6 Pa (0.38 inAq)  
Noise Level: 49 dB(A)  
Weight: 95 g  
Termination: 4 Wire Leads (Red: +, Black: -, Yellow: Tacho, Blue: PWM)  
Lead Wire Length: 300 mm (24 AWG)  
Bearing Type: Dual Ball Bearing  
Housing Material: Plastic (UL 94V-0 PBT)  
Impeller Material: Plastic (UL 94V-0 PBT)  
Number of Blades: 7  
Direction of Rotation: Clockwise (viewed toward rotor)  
Direction of Airflow: Struts Side Out (Exhaust)  
Degree of Protection: IP20  
Insulation Class: A  
Dielectric Strength: 500 VAC / 1 min  
Insulation Resistance: 10M  $\Omega$  or over with a DC500V Megger  
Operating Temp. Range: -10 °C to +70 °C  
Storage Temp. Range: -40 °C to +70 °C  
Life Expectancy (L10) at 40 °C: 70,000 h  
Control Signal: PWM Speed Control  
Signal Output: Tacho signal (FG)  
Safety Protections: Auto-restart, Polarity protection, Locked-rotor protection  
Approvals: CE, UL, TUV, CSA

#### Application

The AD0848VB-A7BGP is primarily utilized as a primary cooling fan for 48V DC telecommunications equipment and industrial frequency drives where high-voltage bus efficiency is required. Its 5000 RPM high-speed motor generates the 0.38 inAq of static pressure necessary to force air through the dense internal heat sinks and dust filters of 48V power cabinets. The 4-wire configuration allows the system to use PWM signals for dynamic speed adjustment, moving from low-noise operation to a maximum 69 CFM output during peak thermal loads. This is critical for 24/7 mission-critical infrastructure, such as 5G base stations and industrial UPS systems, where the dual-ball bearing system ensures 70,000 hours of maintenance-free operation, safeguarding sensitive IGBT modules and control circuitry from thermal stress in demanding 48V environments.

## Product Images

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Scan for product details:

