

AD0612DB-D72GL ADDA 12V 0.07A 60mm 6015 DC Axial Fan

SKU: AD0612DB-D72GL

Price: \$9.99

Categories: Fans

Tags: ADDA

Product Link:

<https://www.electspares.com/product/ad0612db-d72gl-adda-12v-0-07a-60mm-6015-dc-axial-fan/>

Product Description

The ADDA AD0612DB-D72GL is a high-efficiency DC axial fan, commonly referred to as a "6015" size, designed for precision thermal management in space-constrained electronic environments. This 60 x 60 x 15 mm unit features ADDA's proprietary Hypro Bearing system, which offers a silent operational profile and an extended service life. Operating at 12 VDC with a low-power current draw of 0.07 A, it delivers a nominal speed of 3500 RPM. The 3-wire configuration includes a dedicated Tachometer (FG) signal for real-time monitoring of the fan's rotation. Built with a brushless DC motor and a reinforced 7-blade impeller, this fan provides a balanced airflow of 14.348 CFM with a significantly reduced acoustic signature of 27.4 dB(A), making it an ideal cooling solution for noise-sensitive applications such as network switches, DVRs, and medical instrumentation.

AD0612DB-D72GL Fan Parameters

Manufacturer: ADDA

Model Number: AD0612DB-D72GL

Industry Size Code: 6015

Type: DC axial fan

Bearing Type: Hypro Bearing

Nominal Voltage: 12 VDC

Voltage Range: 10.8 - 13.2 VDC

Starting Voltage: 9.0 VDC

Dimensions: 60 x 60 x 15 mm

[Electrical Data]

Input Power: 0.84 W

Nominal Current: 0.07 A

Max. Current: 0.09 A

Nominal Speed: 3500 RPM (Tolerance $\pm 10\%$)

Motor Design: Brushless DC Motor, 4-pole

Signal Output: FG (Frequency Generator/Tachometer)

Motor Protection: Auto Restart, Polarity Protection, Locked Rotor Protection

Insulation Resistance: 10M ohm at 500 VDC

Termination: 3-Lead wires (UL1007, AWG#26, Red/Black/White)

[Performance & Acoustics]

Max. Air Flow: 14.348 CFM (24.38 m³/h / 0.41 m³/min)

Max. Static Pressure: 4.83 mmH₂O (47.37 Pa / 0.19 inH₂O)

Sound Pressure Level: 27.4 dB(A)

Number of Blades: 7

Direction of Rotation: Counter-clockwise (viewed toward impeller)

Airflow Direction: Intake over struts

[Materials & Construction]

Frame Material: Thermoplastic PBT (UL94V-0)

Impeller Material: Thermoplastic PBT (UL94V-0)

Installation Position: Any

Degree of Protection: IP54

[Reliability & Safety Standards]

Min. Ambient Temperature: -10 °C

Max. Ambient Temperature: 70 °C

Life Expectancy (L10): 50,000 hours at 40 °C

Standard Compliance: IEC 60950-1, EN 61000-6-1/3

Approval Agency: UL, TUV, CE, RoHS

Application

The ADDA AD0612DB-D72GL axial fan is used in network routers, compact power supplies, industrial control workstations, micro-servers, medical monitoring equipment, and security DVR systems.

Product Images



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