

THA1212BE-CE1V Delta 12VDC 6.50A 120x120x38mm Axial Fan Datasheet



Brand: Delta

SKU: [1045586540107](#)

Category: Axial & Centrifugal Fans

Price: **\$37.71**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/tha1212be-ce1v-delta-12vdc-6-50a-120x120x38mm-axial-fan>

Product Description

Delta THA1212BE-CE1V 120 x 120 x 38 mm 12 VDC 6.50 A 310.0 CFM axial fan is a high-performance thermal management solution featuring a die-cast aluminum frame and a UL 94V-0 rated plastic impeller. The unit is powered by a brushless DC motor utilizing a dual ball bearing system to support a rotational speed of 7,000 RPM. It incorporates a 4-wire interface providing pulse width modulation (PWM) speed regulation and a frequency generator (tachometer) signal for precise monitoring. The internal circuitry includes locked rotor protection and polarity protection to ensure operational stability under high-load conditions.

THA1212BE-CE1V Specifications

Model: THA1212BE-CE1V

Brand: Delta Electronics

Product Category: DC Axial Fan

Frame Size: 120 x 120 x 38 mm

Rated Voltage: 12 VDC

Operating Voltage Range: 7.0 to 13.2 VDC

Rated Current: 6.50 A

Rated Input Power: 78.0 W

Rated Speed: 7,000 RPM

Maximum Airflow: 310.0 CFM (8.78 m³/min)

Maximum Static Pressure: 3.50 inH₂O (871.5 Pa)

Noise Level: 75.0 dBA

Bearing Type: Dual Ball Bearing

Frame Material: Die-cast Aluminum

Impeller Material: Plastic (UL 94V-0)

Termination: 4-wire Lead Wires (UL 1430 AWG #22)

Control Type: PWM Speed Control

Output Type: Tachometer / Frequency Generator

Operating Temperature: -10 to +70 °C

Storage Temperature: -40 to +75 °C

Life Expectancy: 70,000 hours at 40 °C

Weight: 470 g

Safety Approvals: UL, TUV, CE

THA1212BE-CE1V Applications

Primary applications include integration into high-density server enclosures, telecommunications base stations, and automotive radiator cooling systems. Deployed within industrial power conversion equipment and high-performance computing clusters requiring significant static pressure for airflow through dense heat sinks.

Supplemental Images

