

THD1212ME-00G7U Delta 12VDC 120x120x38mm 4.00A Axial Fan Datasheet



Brand: Delta

SKU: [1011539632069](#)

Category: Axial & Centrifugal Fans

Price: **\$17.99**

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Product Page:

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Product Description

The Delta THD1212ME-00G7U is a high-performance DC Axial Fan engineered for critical thermal management in high-impedance systems. Utilizing advanced motor technology and a robust aerodynamic blade design, this unit delivers exceptional airflow while maintaining structural rigidity under high-speed operation. The fan features a precision dual ball bearing architecture, ensuring longevity and stability even in continuous duty cycles. Designed to minimize thermal impedance in dense electronic enclosures, the THD1212ME-00G7U integrates sophisticated commutation electronics to optimize power efficiency and reduce electromagnetic interference, making it an ideal solution for demanding industrial and server-grade cooling requirements.

Model Number: THD1212ME-00G7U

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 4.00 A

Power Input: 48.00 W

Rated Speed: 5300 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 210.38 CFM (357.4 m³/h / 5.95 m³/min)

Max. Static Pressure: 28.50 mmH₂O (279.49 Pa / 1.12 inH₂O)

Dimensions: 120 x 120 x 38 mm

Weight: 420 g

Life Expectancy: 70,000 Hours at 40°C

Speed Control: PWM (Pulse Width Modulation)

Signal Output: Tachometer (Frequency Generator)

Noise Level: 66.5 dBA

Housing Material: PBT Plastic (UL94V-0)

Impeller Material: PBT Plastic (UL94V-0)

Termination: 4-Wire Leads

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

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Ingress Protection: IP51

Insulation Class: Class A

Safety Certifications: UL, cUL, TUV, CE

Protection: Locked Rotor Protection, Polarity Protection

The THD1212ME-00G7U is specifically designed for applications requiring high static pressure to overcome airflow resistance in densely packed chassis. Common deployments include enterprise server racks, telecommunications base stations, and high-performance computing clusters where reliable heat dissipation is critical. The THD1212ME-00G7U is also frequently utilized in industrial automation equipment, such as CNC machines and power supply units, ensuring components remain within safe operating temperature ranges during peak loads.

Supplemental Images

