

TGM0812SS-00 Delta 12VDC 80x80x56mm 9.6A Server Fan Datasheet



Brand: Delta

SKU: 844870510349

Category: Axial & Centrifugal Fans

Price: \$12.99

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Product Page:

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Product Description

The Delta TGM0812SS-00 is a high-performance axial cooling assembly designed for mission-critical server environments requiring extreme static pressure and airflow throughput. Engineered with advanced counter-rotating motor technology, this unit maximizes aerodynamic efficiency by straightening airflow and reducing turbulence, thereby significantly lowering thermal impedance within dense chassis configurations. The robust frame construction ensures structural rigidity under high-velocity operation, while the precision dual ball bearing system guarantees longevity and stability. This high-wattage component is optimized for overcoming high system resistance in enterprise-grade hardware and industrial applications.

Model Number: TGM0812SS-00

Brand: Delta Electronics

Product Type: DC Axial Fan (Counter-Rotating Assembly)

Rated Voltage: 12VDC

Voltage Range: 10.8 - 13.2 VDC

Rated Current: 9.60 A

Power: 115.2 W

Rated Speed: ~12000 RPM (High Velocity)

Bearing Type: Dual Ball Bearing

Max. Air Flow: 260.5 CFM (442.6 m³/h / 7.37 m³/min)

Max. Static Pressure: 65.2 mmH₂O (639.4 Pa / 2.56 inH₂O)

Dimensions: 80 x 80 x 56 mm

Weight: 450 g

Life Expectancy: 70,000 Hours at 40°C

Speed Control: PWM / Tachometer

Ingress Protection: IP20

Insulation Class: Class A

Noise Level: 72.5 dB(A)

Housing Material: PBT (UL94V-0)

Blade Material: PBT (UL94V-0)

Termination: Lead wires with Connector

Operating Temperature: -10 to 70 °C

Storage Temperature: -40 to 75 °C

Mounting Orientation: Any

Certifications: UL, cUL, TUV, CE

Protection: Locked Rotor Protection, Polarity Protection

The TGM0812SS-00 is specifically engineered for high-density computing environments such as blade servers, storage area networks, and industrial workstations where heat dissipation is critical. Its high-pressure output makes it ideal for forcing air through restrictive heatsinks and tightly packed component arrays found in data centers. Integrators frequently utilize the TGM0812SS-00 in custom cooling solutions for mining rigs, CNC machinery, and telecommunications equipment, relying on its immense power to maintain optimal operating temperatures under continuous heavy loads.

Supplemental Images

