

PFM0612XHE-SM02F1T Delta 12VDC 60x60x38mm PWM Server Fan Datasheet



Brand: Delta

SKU: 983904381973

Category: Axial & Centrifugal Fans

Price: **\$21.99**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/pfm0612xhe-sm02f1t-delta-12vdc-60x60x38mm-pwm-server-fan>

Product Description

The Delta PFM0612XHE-SM02F1T is a high-density DC axial fan engineered for mission-critical thermal management in enterprise server environments. Utilizing advanced dual ball bearing architecture, this unit ensures exceptional longevity and rotational stability under continuous high-load operations. The aerodynamic impeller design minimizes turbulence while maximizing static pressure, effectively overcoming the high thermal impedance found in densely populated chassis. Constructed with industrial-grade materials for superior structural rigidity, this 60mm cooling solution delivers robust airflow performance, making it an essential component for maintaining optimal operating temperatures in high-performance computing systems.

Model Number: PFM0612XHE-SM02F1T

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Operating Voltage Range: 10.8 - 13.2 VDC

Rated Current: 3.30 A

Input Power: 39.60 W

Rated Speed: 19000 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 82.5 CFM (140.1 m³/h / 2.33 m³/min)

Max. Static Pressure: 98.1 mmH₂O (961.8 Pa / 3.86 inH₂O)

Dimensions: 60x60x38mm

Noise Level: 72.5 dB-A

Termination: 4-Wire Assembly

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

Speed Control: PWM (Pulse Width Modulation)

Signal Output: Tachometer (Frequency Generator)

Housing Material: Plastic (UL94V-0)

Impeller Material: Plastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Life Expectancy: 70,000 Hours at 40°C

Ingress Protection: IP51

Compatible Systems: Lenovo ThinkSystem SR650, SR658, SR850, SR860

Safety Approvals: UL, cUL, TUV, CE

Designed specifically for high-density computing environments, the PFM0612XHE-SM02F1T is the primary cooling solution for Lenovo ThinkSystem servers, including the SR650, SR658, SR850, and SR860 series. This fan excels in forcing air through tightly packed CPU heatsinks and memory banks where back pressure is significant. By integrating the PFM0612XHE-SM02F1T into enterprise hardware, operators ensure reliable heat dissipation for processors running at peak loads, preventing thermal throttling in data centers, telecommunications racks, and industrial automation controllers requiring compact yet powerful airflow.

Supplemental Images

