D1225C12GT1850-P Scythe 12VDC 120x120x25mm PWM Axial Fan Datasheet

SKU: 740471262404

Category: Axial & Centrifugal Fans

Price: **$29.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/d1225c12gt1850-p-scythe-12vdc-120x120x25mm-pwm-axial-fan

Product Description

The Scythe D1225C12GT1850-P is a precision-engineered Axial Fan developed in collaboration with Nidec Servo, belonging to the renowned Gentle Typhoon series. This unit utilizes a specialized double ball bearing system and a high-torque DC motor to deliver exceptional airflow-to-noise ratios. The impeller features a unique swept-blade design that minimizes turbulence and reduces structural vibration, optimizing thermal impedance management in high-resistance environments. Its robust chassis ensures structural rigidity, making it an ideal solution for critical cooling applications requiring sustained reliability and acoustic efficiency.

Model Number: D1225C12GT1850-P
Brand: Scythe / Nidec Servo
Product Type: Axial Fan
Series: Gentle Typhoon
Rated Voltage: 12VDC
Operating Voltage Range: 10.2 - 13.8 VDC
Rated Current: 0.083 A
Input Power: 1.0 W
Rated Speed: 1850 RPM
Bearing Type: Double Ball Bearing
Max. Air Flow: 58.3 CFM (99.0 m^3/h)

Max. Static Pressure: 2.0 mmH_2O (19.6 Pa / 0.079 inH_2O)
Noise Level: 28.0 dBA
Dimensions: 120x120x25mm
Weight: 200 g
Life Expectancy: 100,000 Hours at 35°C
Speed Control: PWM (Pulse Width Modulation)
Termination: 4-Wire Lead
Connector: 4-Pin PWM Header
Housing Material: PBT (UL94V-0)
Impeller Material: ABS Plastic
Operating Temperature: -10°C to +70°C
Mounting Orientation: Any
Ingress Protection: IP20

The D1225C12GT1850-P is engineered for scenarios demanding high static pressure and low acoustic signatures, such as liquid cooling radiators, dense server racks, and precision medical instrumentation. Its optimized blade geometry allows the D1225C12GT1850-P to overcome significant airflow resistance in restricted chassis environments or heatsink arrays. Additionally, this model serves effectively in telecommunications equipment and high-end workstation builds where thermal stability and minimal vibration are paramount for component longevity.

Supplemental Images