

PFC0812DE-DE53 DC12V 3.30A 4-Wire axial fan

SKU: PFC0812DE-DE53

Price: \$9.99

Categories: Fans

Tags: Delta

Product Link:

<https://www.electspares.com/product/pfc0812de-de53-dc12v-3-30a-4-wire-axial-fan/>

Product Description

The Delta PFC0812DE-DE53 is an 80x80x38mm DC axial fan engineered for extreme cooling demands in high-density electronic equipment. Operating on 12 VDC, this fan draws a substantial 3.30A of current, resulting in a high power consumption of 39.6W. It achieves an incredibly fast rotational speed, typically around 12000 RPM, delivering an exceptional airflow of approximately 152 CFM (4.3 m³/min) and significant static pressure. With a high noise level of around 65 dB(A), indicative of its powerful performance, and utilizing durable high precision ball bearings, it ensures robust and efficient cooling. This model features 4-wire leads for connection, including a pulse sensor (tachometer output) and PWM control for precise speed regulation. Built with flame-retardant plastic, it is ideal for servers, mining rigs, high-performance workstations, and other applications requiring aggressive thermal management.

PFC0812DE-DE53 Fan Parameters

Model Number: PFC0812DE-DE53

Manufacturer: Delta Electronics

Series: PFC

Type: DC Axial Fan

Dimensions: 80mm x 80mm x 38mm

Rated Voltage: 12 VDC

Operating Voltage Range: 10.8–13.2 VDC (typical for PFC0812DE series)

Rated Current: 3.30A

Power Consumption: 39.6 W

Speed: 12000 RPM

Airflow: 152 CFM (4.3 m³/min)

Static Pressure: Approximately 51.57 mmH₂O (2.03 inch H₂O)

Noise Level: 65 dB(A)

Bearing Type: High Precision Ball Bearing

Frame Material: Plastic (PBT + 30% glass fiber + VO grade flame retardant)

Blade Material: Plastic (PBT + 30% glass fiber + VO grade flame retardant)

Termination: 4-Wire Leads

Control Features: PWM Control, Pulse Sensor (Tachometer output)

Protection Features: Locked Rotor Protection (typical for PFC series)

Expected Life: 100,000 hours @ 25°C (some sources, others 50,000 hours @ 40°C)

Operating Temperature: -10°C to +70°C

Weight: 205 g (approximately)

Certifications: CE, CSA, UL, VDE (typical for Delta fans)

Application: Servers, mining equipment, high-performance computers, telecommunications, power supplies, industrial control systems, and any application requiring maximum airflow in a compact space.

Product Images









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