

2214F/2TDHHO ebmpapst 24V 2A 48W 220mm DC Axial Fan

SKU: 2214F/2TDHHO

Price: \$299.99

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/2214f-2tdhho-ebmpapst-24v-2a-48w-220mm-dc-axial-fan/>

Product Description

The ebmpapst 2214F/2TDHHO is a high-performance DC Axial Fan built in a 220 x 200 x 51 mm frame. Utilizing a 3-phase EC fan drive for very smooth operation and high efficiency, this fan operates on 24 V DC. It delivers a high airflow of 940 m³/h at 5000 RPM. With a service life of 85,000 hours (at 40 °C) and integrated speed signal and control input capabilities, it is essential for critical, high-density cooling in industrial and telecom systems.

2214F/2TDHHO Fan Parameters

Model: 2214 F/2TDHHO

Manufacturer: ebmpapst

Type: DC Axial Fan

Series: 2000 Series (High Performance, Electronic Commutation)

Dimensions: 220 x 200 x 51 mm

Weight: 1.0 kg

Nominal Voltage: 24 V DC

Operating Voltage Range: 16 V DC to 36 V DC

Speed: 5000 RPM (min⁻¹)

Max. Airflow (Free Air): 940 m³/h

Power Consumption (Max Load): 48 W

Rated Current (Max Load): 2.0 A

Noise Level: 66 dB(A)

Sound Power Level: 7.4 B

Protection Rating: IP20

Electrical Protection: Protected against reverse polarity and locking (Standard)

Bearing Type: Ball Bearing

Motor Design: 3-phase fan drive

Airflow Direction: Exhaust over struts

Direction of Rotation: Counterclockwise, viewed toward rotor

Termination: Leads (AWG 18, 20 or AWG 22)

Control/Signal: Speed signal and control input (AWG 22 leads included)

Housing Material: Die-cast Aluminum (with M4 grounding lug)

Impeller Material: Glass-fiber Reinforced PA Plastic

Life Expectancy (L10 at 40 °C): 85,000 h

Min. Ambient Temperature: -25 °C

Max. Ambient Temperature: 70 °C

Certifications: CE, VDE REGISTERED, EAC, cURus

Application

The ebmpapst 2214F/2TDHHO is engineered for continuous, high-performance cooling applications. It is widely used in telecommunication cabinets and base stations that rely on 24V DC power. The fan's ability to maintain high airflow (940 m³/h) with a relatively low noise level (66 dB(A)) makes it ideal for cooling high-density electronics, large power supply units, and heat exchangers in critical industrial and IT infrastructure. The integrated speed control feature allows for dynamic thermal management and energy optimization.

Product Images









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