2218F/2TDH4P-214 ebmpapst 48VDC 200mm 103W Axial Fan Datasheet

Brand: ebmpapst

SKU: 708309392157

Category: Axial & Centrifugal Fans

Price: **$216.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/2218f-2tdh4p-214-ebmpapst-48vdc-200mm-103w-axial-fan

Product Description

The ebmpapst 2218F/2TDH4P-214 is a high-capacity Tubeaxial Fan designed for mission-critical thermal management in dense electronic enclosures. Utilizing advanced electronically commutated (EC) motor technology, this unit delivers exceptional aerodynamic performance with a substantial power rating of 103W. The robust construction features a glass-fiber reinforced plastic impeller and a die-cast aluminum housing, ensuring structural rigidity under high-speed operation. Engineered for low thermal impedance applications, it incorporates a precision ball bearing system that guarantees longevity and stability. The aerodynamic design optimizes static pressure capabilities, making it ideal for overcoming high system resistance in server racks and telecommunications equipment.

Model Number: 2218F/2TDH4P-214
Brand: ebmpapst
Product Type: Tubeaxial DC Fan
Rated Voltage: 48 VDC
Voltage Range: 36.0 - 72.0 VDC
Rated Current: 2.15 A
Power Consumption: 103 W
Rated Speed: 6500 RPM
Max. Air Flow: 706.3 CFM (1200 m^3/h / 20.0 m^3/min)
Max. Static Pressure: 4.2 inH_2O (1050 Pa / 107.1 mmH_2O)

Bearing Type: Ball Bearing
Dimensions: 200 x 200 x 51 mm
Weight: 1.0 kg
Noise Level: 78 dB(A)
Housing Material: Die-Cast Aluminum
Impeller Material: PA Plastic (UL94V-0)
Operating Temperature: -20 to +75 °C
Speed Control: PWM / 4-Wire
Termination: Lead Wires
Life Expectancy: 70,000 Hours (40°C)
Ingress Protection: IP20

The 2218F/2TDH4P-214 is specifically engineered for high-density networking hardware, serving as a critical cooling component in the H3C S12510-X and S12510-F series switches. Its high static pressure capability allows it to force air through tightly packed server chassis and telecommunications racks where airflow resistance is significant. By maintaining optimal operating temperatures, the 2218F/2TDH4P-214 ensures the reliability and continuous uptime of enterprise-grade data center equipment and large-scale switching fabrics.

Supplemental Images