

2218F/2TDH4OR-230/G02 ebmpapst 48VDC 200x51mm Tubeaxial Fan Datasheet



Brand: ebmpapst

SKU: 902943854760

Category: Axial & Centrifugal Fans

Price: **\$197.99**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/2218f-2tdh4or-230-g02-ebmpapst-48vdc-200x51mm-tubeaxial-fan>

Product Description

The ebmpapst 2218F/2TDH4OR-230/G02 is a high-performance Tubeaxial fan designed for critical industrial cooling applications requiring substantial airflow and static pressure. Engineered with a robust DC motor architecture, this unit features an advanced commutation system that delivers an impressive 103W of input power, translating to a high-efficiency output of 85W. The fan operates at a rapid 6500 RPM, ensuring rapid heat dissipation in high-density environments. Its structural rigidity is maintained through a durable frame design, minimizing vibration and resonance during operation. The integration of a Tacho signal provides real-time speed monitoring, allowing for precise thermal management and system feedback. With optimized thermal impedance and aerodynamic blade geometry, this fan is built to sustain continuous operation under demanding electrical loads.

Model Number: 2218F/2TDH4OR-230/G02

Brand: ebmpapst

Product Type: DC Tubeaxial Fan

Rated Voltage: 48 VDC

Voltage Range: 36.0 - 72.0 VDC

Rated Current: 2.15 A

Input Power: 103 W

Output Power: 85 W

Rated Speed: 6500 RPM

Bearing Type: Ball Bearing

Max. Air Flow: 718.0 CFM (1220 m³/h)

Max. Static Pressure: 4.82 inH₂O (1200 Pa)

Dimensions: 200 x 200 x 51 mm

Weight: 1.0 kg

Ingress Protection: IP20

Speed Control: Tacho Signal (Speed Sensor)

Termination: 4-Wire Lead

Manufacturer Part Number: 8317086903

Alternate Part Number: VWLG200FKLVZ

Housing Material: Aluminum Die-Cast

Impeller Material: Fiberglass Reinforced Plastic (PA)

Operating Temperature: -20°C to +70°C

The 2218F/2TDH4OR-230/G02 is specifically engineered for high-load applications such as telecommunications base stations, large-scale server rack cooling, and industrial drive cooling systems. Its high-speed capability makes it ideal for removing heat from tightly packed electronic enclosures where static pressure is a critical factor. Additionally, the 2218F/2TDH4OR-230/G02 is frequently utilized in renewable energy inverters and medical imaging equipment requiring reliable, continuous thermal regulation.

Supplemental Images

