2218F/2TDHHP-233 ebm-papst 48VDC 200mm 5000RPM Axial Fan Datasheet

Brand: ebmpapst

SKU: 915633808880

Category: Axial & Centrifugal Fans

Price: **$194.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/2218f-2tdhhp-233-ebm-papst-48vdc-200mm-5000rpm-axial-fan

Product Description

The ebm-papst 2218F/2TDHHP-233 is a precision-engineered Axial Fan designed for critical thermal management in high-demand industrial environments. Utilizing advanced DC motor technology and a robust ball bearing architecture, this unit ensures minimal thermal impedance and extended operational longevity under continuous loads. The aerodynamic blade design optimizes airflow efficiency while maintaining structural rigidity at high rotational speeds. Engineered for reliability, the 2218F/2TDHHP-233 delivers consistent cooling performance, making it an essential component for maintaining system stability in high-density electronic enclosures and power transmission equipment.

Model Number: 2218F/2TDHHP-233
Brand: ebm-papst
Product Type: DC Tubeaxial Fan
OEM Part Number: 3AXD5000037992A
Rated Voltage: 48 VDC
Voltage Range: 36.0 - 72.0 VDC
Rated Current: 1.0 A
Power Consumption: 48.0 W
Rated Speed: 5000 RPM
Bearing Type: Ball Bearing

Max. Air Flow: 464.97 CFM (790.0 m^3/h / 13.16 m^3/min)
Max. Static Pressure: 32.14 mmH_2O (315.0 Pa / 1.26 inH_2O)
Dimensions: 200 mm (Diameter) x 51 mm (Depth)
Weight: 1.0 kg
Housing Material: Die-cast Aluminum
Impeller Material: Fiberglass-reinforced Plastic (PA)
Ingress Protection: IP Rating Compatible
Motor Protection: Reverse Polarity, Locked Rotor
Termination: Lead Wires
Operating Temperature: -20°C to +70°C
Country of Origin: Hungary

The 2218F/2TDHHP-233 is specifically calibrated for integration into heavy-duty industrial machinery, including variable frequency drives (VFDs), large-scale server racks, and telecommunications infrastructure. Its high-static pressure capabilities make it ideal for forcing air through dense component arrays in CNC machines and medical diagnostic equipment. By maintaining optimal operating temperatures, the 2218F/2TDHHP-233 prevents thermal throttling and component failure in mission-critical automation systems.

Supplemental Images


ebmpapst
2218 F/2 TDHHP
48V⎓DC 1.0A 48W 5000r/min
(36-72V⎓DC)
Var. 233
EP
永磁直流电动机 Ins.Cl.E 级
US 8482235
3AXD50000037992A
SN:190409AM0034VE
制造商 ebm-papst St.Georgen GmbH&Co.KG
Hungary (V) 匈牙利制造 15.19
VDE
CE
EAC