STD12C98 TOYO 48VDC 120x120x38mm 3-Wire Axial Fan Datasheet

SKU: 734565060054

Category: Axial & Centrifugal Fans

Price: **$26.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/std12c98-toyo-48vdc-120x120x38mm-3-wire-axial-fan

Product Description

The TOYO STD12C98 is a precision-engineered Axial Fan designed for high-reliability industrial applications requiring consistent thermal regulation. Utilizing advanced DC motor technology and a robust ball bearing architecture, this unit ensures optimal thermal impedance management within critical electronic enclosures. The aerodynamic blade design minimizes turbulence while maximizing static pressure, making it particularly suitable for high-resistance environments such as variable frequency drives and power inverters. Constructed with structural rigidity in mind, the frame withstands operational vibration, ensuring longevity and stable performance. The integrated 3-wire interface facilitates precise speed monitoring, a crucial feature for predictive maintenance strategies in automation equipment and complex cooling systems.

Model Number: STD12C98
Brand: TOYO
Product Type: Axial Fan
Rated Voltage: 48 VDC
Voltage Range: 38.0 - 56.0 VDC
Rated Current: 0.10 A
Power Consumption: 4.8 W
Dimensions: 120 x 120 x 38 mm
Bearing Type: Ball Bearing

Termination: 3-Wire (Lead Wire)
Speed Monitoring: Yes (Tachometer Output)
Housing Material: PBT Plastic (UL94V-0)
Blade Material: PBT Plastic (UL94V-0)
Operating Temperature: -10°C to +70°C
Mounting Orientation: Any
Application: Inverter Cooling
Origin: Japan

The STD12C98 is specifically engineered for thermal regulation in industrial power electronics, particularly variable frequency drives and heavy-duty inverters. Its robust design makes it ideal for server rack ventilation, telecommunications cabinets, and CNC machinery control panels where consistent airflow is mandatory. By integrating the STD12C98 into power supply units and automation controllers, operators ensure component longevity through efficient heat dissipation in continuous-duty environments.

Supplemental Images