OD8038-48HBXE10A Orion Fans 48VDC 80x80x38mm PWM Axial Fan Datasheet

SKU: 1014673104714

Category: Axial & Centrifugal Fans

Price: **$11.99**

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Product Page:
https://www.equipspares.com/product/od8038-48hbxe10a-orion-fans-48vdc-80x80x38mm-pwm-axial-fan

Product Description

The Orion Fans OD8038-48HBXE10A is a high-static pressure DC Axial Fan engineered for critical thermal management in industrial environments. Utilizing a robust Dual Ball Bearing architecture, this unit ensures operational stability under high-load conditions, significantly reducing thermal impedance in dense electronic enclosures. The 80x80x38mm frame is constructed from reinforced thermoplastic, offering superior structural rigidity and vibration damping. Designed with a 4-wire PWM interface, it allows for precise speed modulation, optimizing the balance between airflow performance and acoustic signature. This 48VDC model draws 1.5A, delivering extreme air movement capabilities required for high-performance computing and server rack applications.

Model Number: OD8038-48HBXE10A
Brand: Orion Fans
Product Type: DC Axial Fan
Rated Voltage: 48VDC
Voltage Range: 24.0 - 56.0 VDC
Rated Current: 1.5 A
Power Consumption: 72.0 W
Dimensions: 80 x 80 x 38 mm
Bearing Type: Dual Ball Bearing
Termination: 4-Wire (Bare Leads)

Speed Control: PWM (Pulse Width Modulation)
Housing Material: PBT (UL94V-0)
Impeller Material: PBT (UL94V-0)
Motor Type: Brushless DC
Mounting Style: Flange Mount
Ingress Protection: IP20 (Standard)
Operating Temperature: -10°C to +70°C
Life Expectancy: 60,000 Hours @ 40°C

The OD8038-48HBXE10A is specifically calibrated for high-density server racks and telecommunications enclosures where backpressure is a significant factor. Its high-torque motor design makes it ideal for forced-air cooling in industrial automation cabinets and CNC machinery control units. By integrating the OD8038-48HBXE10A into chassis cooling systems, operators ensure consistent airflow across heat sinks and sensitive components, preventing thermal throttling in mission-critical hardware.

Supplemental Images


BRUSHLESS DC FAN
MODEL OD8038-48HBXE10A
DC 48V
1.50A
BALL
MADE IN CHINA