PAAD2A238BM-YP03 NSTECH 24VDC 0.40A 120mm Axial Fan Datasheet

SKU: 978319835384

Category: Axial & Centrifugal Fans

Price: **$14.99**

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Product Page:
https://www.equipspares.com/product/paad2a238bm-yp03-nstech-24vdc-0-40a-120mm-axial-fan

Product Description

The NSTECH PAAD2A238BM-YP03 is a precision-engineered Axial Fan designed for rigorous thermal management in industrial environments. Operating at a nominal 24VDC, this unit utilizes advanced motor technology to deliver consistent airflow while maintaining optimal thermal impedance within critical systems. The chassis features a robust 120mm form factor, constructed to withstand demanding operational conditions with an IP55 ingress protection rating, ensuring resistance against dust and moisture intrusion. Engineered for structural rigidity and longevity, the PAAD2A238BM-YP03 integrates a high-efficiency impeller design that maximizes static pressure capabilities. This cooling solution is specifically optimized for variable frequency drives and power electronics, providing reliable heat dissipation to prevent thermal throttling and extend component service life.

Model Number: PAAD2A238BM-YP03
Brand: NSTECH
Product Type: Axial Fan
Rated Voltage: 24VDC
Rated Current: 0.40 A
Power Consumption: 9.6 W
Frame Dimensions: 120 mm (Standard 120x120mm Format)
Ingress Protection: IP55
Bearing Type: Ball Bearing

Termination: 2-Wire (Red/Black)
Wire Length: 150 mm (15 cm)
Housing Material: Industrial Grade Thermoplastic / Metal
Blade Material: Reinforced Plastic UL94V-0
Airflow Direction: Exhaust / Intake
Mounting Orientation: Vertical / Horizontal
Operating Temperature: -10°C to +70°C
Cooling Application: Inverter / VFD

The PAAD2A238BM-YP03 is extensively utilized in the thermal management of industrial power electronics, specifically serving as a critical cooling component for variable frequency drives (VFDs) and heavy-duty inverters. Its robust IP55 design makes it suitable for deployment in factory automation control panels, CNC machinery cabinets, and renewable energy power conversion systems where dust and moisture resistance is paramount. By maintaining optimal operating temperatures, the PAAD2A238BM-YP03 ensures the reliability of sensitive electronic circuits in server racks and telecommunication infrastructure, preventing overheating in continuous-duty environments.

Supplemental Images