220R071D0731 NMB-MAT 48VDC 220mm Centrifugal Fan Datasheet

Brand: NMB

SKU: 896754726655

Category: Axial & Centrifugal Fans

Price: **$379.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/220r071d0731-nmb-mat-48vdc-220mm-centrifugal-fan

Product Description

The NMB-MAT 220R071D0731 is a high-efficiency Motorized Impeller engineered for demanding industrial thermal management applications. Operating at a nominal 48VDC with a significant current draw of 2.5A, this centrifugal fan utilizes a backward-curved blade geometry to maximize static pressure generation while maintaining stable airflow delivery against high system impedance. The unit features a precision-balanced rotor assembly and durable ball bearing architecture, ensuring reduced mechanical vibration and extended operational longevity. Its robust structural rigidity makes it suitable for continuous duty cycles in harsh environments, effectively dissipating heat from densely packed electronic enclosures and power conversion systems where standard axial fans may fail to overcome back pressure.

Model Number: 220R071D0731
Brand: NMB-MAT (MinebeaMitsumi)
Product Type: Motorized Impeller / Centrifugal Fan
Rated Voltage: 48 VDC
Voltage Range: 28.0 - 56.0 VDC
Rated Current: 2.5 A
Input Power: 120 W
Rated Speed: 2500 RPM
Bearing Type: Ball Bearing

Max. Air Flow: 565 CFM (960 m^3/h)
Max. Static Pressure: 2.8 inH_2O (697 Pa)
Impeller Diameter: 220 mm
Impeller Material: Sheet Steel
Rotor Material: Die-Cast Aluminum
Direction of Rotation: Clockwise (Seen on Rotor)
Ingress Protection: IP20
Insulation Class: Class B
Operating Temperature: -20°C to +60°C
Storage Temperature: -40°C to +70°C
Termination: Lead Wires
Motor Protection: Locked Rotor Protection, Reverse Polarity Protection
Weight: 1.8 kg

This centrifugal solution is widely utilized in telecommunications infrastructure, specifically within base station cooling units and high-capacity network switches where the 220R071D0731 ensures optimal thermal regulation. Additionally, the 220R071D0731 is frequently integrated into industrial automation control cabinets, renewable energy inverters, and large-scale server rack assemblies requiring substantial static pressure to overcome airflow resistance.

Supplemental Images