# 220R071D0531 NMB-MAT 24VDC 220mm Centrifugal Fan Datasheet


**Brand:** NMB

**SKU:** 1010617628208

**Category:** Axial & Centrifugal Fans

**Price:** **$480.99**

**E-mail:** sales@equipspares.com

**Web:** https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/220r071d0531-nmb-mat-24vdc-220mm-centrifugal-fan

## Product Description

The NMB-MAT 220R071D0531 is a high-capacity centrifugal fan designed for critical thermal management in industrial environments. Engineered with a precision backward-curved motorized impeller, this unit optimizes aerodynamic efficiency while maintaining structural rigidity under high static pressure loads. The device utilizes advanced DC motor technology coupled with durable ball bearings to ensure longevity and reduced thermal impedance during continuous operation. Its robust construction makes it suitable for high-impedance systems requiring substantial airflow delivery and reliable performance in demanding electrical enclosures.

Model Number: 220R071D0531
Brand: NMB-MAT
Product Type: Centrifugal Fan / Motorized Impeller
Rated Voltage: 24 VDC
Voltage Range: 16.0 - 28.0 VDC
Rated Current: 5.0 A
Power Consumption: 120.0 W
Rated Speed: 2500 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 565.0 CFM (960.0 $m^3/h$)
Max. Static Pressure: 2.80 $inH_2O$ (697 Pa)

Dimensions: 220mm Diameter x 71mm Depth
Impeller Material: Aluminum / Reinforced Plastic
Housing Material: Aluminum Die-Cast
Weight: 1.8 kg
Life Expectancy: 50,000 Hours at 40°C
Operating Temperature: -10°C to +60°C
Storage Temperature: -40°C to +70°C
Termination: Lead Wires
Ingress Protection: IP20
Insulation Class: Class B
Motor Protection: Locked Rotor Protection, Reverse Polarity
Safety Certifications: UL, CSA, TUV, CE

This centrifugal fan is specifically engineered for high-density server racks, telecommunications base stations, and industrial automation cabinets where back pressure is a significant factor. The 220R071D0531 excels in cooling large-scale power inverters and medical imaging equipment, ensuring component stability. By integrating the 220R071D0531 into heat exchange systems, operators can maintain optimal thermal envelopes in restricted airflow environments.