175R-069D-0566-R01 NMB-MAT 24VDC 175x69mm Centrifugal Fan Datasheet

Brand: NMB

SKU: 990057896444

Category: Axial & Centrifugal Fans

Price: **$205.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/175r-069d-0566-r01-nmb-mat-24vdc-175x69mm-centrifugal-fan

Product Description

The NMB-MAT 175R-069D-0566-R01 is a high-performance Centrifugal Fan designed for critical thermal management in industrial environments. Engineered with a precision-balanced motorized impeller and advanced DC motor technology, this unit delivers substantial airflow against high system impedance. The construction features a robust ball bearing system that ensures structural rigidity and minimizes frictional wear, significantly extending the operational lifespan under continuous duty. With a 4-wire configuration enabling PWM speed control, the fan allows for dynamic thermal regulation, optimizing the balance between cooling efficiency and acoustic output. The aerodynamic design reduces turbulence and thermal impedance, making it a reliable solution for high-density electronic enclosures.

Model Number: 175R-069D-0566-R01
Brand: NMB-MAT
Product Type: Centrifugal Fan / Motorized Impeller
Rated Voltage: 24VDC
Voltage Range: 14.0 - 27.6 VDC
Rated Current: 3.50 A
Power Consumption: 84.0 W
Dimensions: 175mm x 69mm
Bearing Type: Ball Bearing

Termination: 4-Wire (Lead Wire)
Speed Control: PWM / Tachometer Output
Direction of Rotation: Clockwise (viewed from rotor)
Impeller Material: Plastic (UL94V-0)
Housing Material: Aluminum / Plastic
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Dielectric Strength: 500VAC for 1 min
Insulation Resistance: 10M Ohm min. @ 500VDC
Motor Protection: Locked Rotor Protection, Reverse Polarity Protection
Mounting: Flange Mount
Application: Industrial Cooling, Telecom

The 175R-069D-0566-R01 is engineered for applications requiring high static pressure to overcome the resistance of dense components, such as in telecommunications base stations, server cabinets, and large-scale power inverters. Additionally, the 175R-069D-0566-R01 is frequently utilized in medical diagnostic equipment and industrial automation systems where reliable, consistent forced air cooling is essential for maintaining component longevity.

Supplemental Images


NMB-MAT
MODEL
175R-069D-0566
24V⎓DC 3.50A
Minebea Motor
Manufacturing Corporation
R01
MADE IN CHINA
+:RED, -:BLACK