

# F175PB-061-D0750 NMB 48VDC 175mm 220W Centrifugal Fan Datasheet



**Brand:** NMB

**SKU:** [876659566876](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$120.99**

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Product Page:

<https://www.equipspares.com/product/f175pb-061-d0750-nmb-48vdc-175mm-220w-centrifugal-fan>

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## Product Description

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The NMB F175PB-061-D0750 is a high-performance DC centrifugal fan engineered for critical thermal management in industrial environments. Utilizing advanced brushless DC motor technology and a precision-balanced impeller, this unit delivers exceptional airflow while maintaining structural rigidity under high-load conditions. The design incorporates dual ball bearings to minimize friction and extend operational lifespan, ensuring reliability in continuous duty cycles. Its aerodynamic profile is optimized to reduce thermal impedance, making it an ideal solution for systems requiring substantial static pressure and efficient heat dissipation. The robust construction ensures stability against vibration and environmental stressors, meeting the rigorous demands of modern electronics cooling.

Model Number: F175PB-061-D0750

Alternate Model: F175PBK7WT500056

Brand: NMB-MAT (MinebeaMitsumi)

Product Type: DC Centrifugal Fan / Motorized Impeller

Rated Voltage: 48VDC

Voltage Range: 36.0 - 57.6 VDC

Rated Current: 4.6 A

Power Input: 220 W

Rated Speed: 4300 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 565.0 CFM (960.0 m<sup>3</sup>/h)  
Max. Static Pressure: 3.81 inH<sub>2</sub>O (950 Pa)  
Dimensions: 175mm Diameter x 69mm Depth  
Weight: 1.8 kg  
Life Expectancy: 100,000 Hours (L10 at 25°C)  
Impeller Material: Reinforced Plastic (UL94V-0)  
Housing Material: Aluminum Die-Cast  
Termination: Lead Wires  
Operating Temperature: -10°C to +70°C  
Storage Temperature: -40°C to +70°C  
Ingress Protection: IP54 (Optional)  
Speed Control: PWM / Tachometer Output  
Protection: Locked Rotor Protection, Reverse Polarity Protection  
Insulation Class: Class E  
Certifications: UL, CSA, TUV, CE

The F175PB-061-D0750 is specifically designed for high-density applications such as telecommunications base stations, server rack cooling, and industrial automation control cabinets. Its high static pressure capabilities make the F175PB-061-D0750 suitable for forcing air through restrictive filters and heat exchangers in medical equipment and high-capacity power supply units. Additionally, this model is frequently utilized in network switches and storage systems where consistent thermal regulation is paramount for component longevity.

## Supplemental Images

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