5910PL-05W-B79-L02 NMB 24VDC 172x150x25mm Axial Fan Datasheet

Brand: NMB

SKU: 824023623455

Category: Axial & Centrifugal Fans

Price: **$50.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/5910pl-05w-b79-l02-nmb-24vdc-172x150x25mm-axial-fan

Product Description

The NMB 5910PL-05W-B79-L02 is a high-performance DC axial fan engineered for critical thermal management in industrial power electronics. Utilizing a robust dual ball bearing architecture, this unit is designed to withstand continuous operation under high thermal loads, ensuring exceptional longevity and structural rigidity. The fan features a specialized aerodynamic impeller housed within a side-cut aluminum die-cast frame, optimizing airflow efficiency while minimizing thermal impedance. Its high-torque motor design delivers superior static pressure, making it an essential component for forced convection cooling in densely packed enclosures where reliability is paramount.

Model Number: 5910PL-05W-B79-L02
Brand: NMB-MAT (MinebeaMitsumi)
Product Type: DC Axial Fan
Rated Voltage: 24 VDC
Voltage Range: 14.0 - 27.6 VDC
Rated Current: 1.70 A
Input Power: 40.8 W
Rated Speed: 4100 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 235.0 CFM (399.2 m^3/h)
Max. Static Pressure: 21.5 mmH_2O (210 Pa / 0.85 inH_2O)

Dimensions: 172 x 150 x 25.4 mm
Frame Style: Side Cut (Oval)
Frame Material: Aluminum Die-Cast
Impeller Material: Reinforced Plastic (UL94V-0)
Termination: 2-Wire Lead (Red +, Black -)
Ingress Protection: IP20
Noise Level: 62.0 dB(A)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Life Expectancy: 100,000 Hours at 25°C
Weight: 390 g
Compliance: RoHS, UL, CSA, TUV

The 5910PL-05W-B79-L02 is specifically calibrated for integration into heavy-duty industrial systems, serving as a direct replacement for cooling units in ABB frequency inverters and variable speed drives. This fan effectively dissipates heat generated by power semiconductors in server racks, CNC control cabinets, and telecommunications infrastructure. By maintaining consistent thermal stability, the 5910PL-05W-B79-L02 prevents overheating in medical instrumentation and automation controllers, ensuring uninterrupted system performance in demanding operational environments.

Supplemental Images