4715KL-07W-B49-P03 NMB 48VDC 120x120x38mm Axial Fan Datasheet

Brand: NMB

SKU: 683691325500

Category: Axial & Centrifugal Fans

Price: **$37.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/4715kl-07w-b49-p03-nmb-48vdc-120x120x38mm-axial-fan

Product Description

NMB 4715KL-07W-B49-P03 is a 48VDC 120x120x38mm Axial Fan optimized for high-density thermal management in elevator inverter systems. This unit features a dual ball bearing architecture and a brushless DC motor design, ensuring low thermal impedance and high structural rigidity under continuous duty cycles. Engineered with a 7-blade aerodynamic profile, it delivers a rated current of 0.26A and a rotational speed of 3300 RPM to maintain critical airflow across power electronics. The integration of a third-wire tachometer signal allows for precise monitoring of cooling performance, making it an essential component for preventing thermal throttling in Hitachi CA13 series drive controllers.

Model Number: 4715KL-07W-B49-P03
Brand: NMB-MAT (MinebeaMitsumi)
Product Type: Axial Fan
Rated Voltage: 48 VDC
Voltage Range: 28.0 - 56.0 VDC
Rated Current: 0.26 A
Power: 12.48 W
Rated Speed: 3300 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 118.0 CFM (3.34 m^3/min)

Max. Static Pressure: 9.1 mmH_2O (89.2 Pa)
Dimensions: 119 x 119 x 38 mm
Weight: 260 g
Life Expectancy: 50,000 Hours at 25°C
Noise Level: 46.5 dB
Housing Material: Plastic (Black) UL94V-0
Blade Material: Plastic (Black) UL94V-0
Termination: 3 Lead Wires (Red/Black/White)
Speed Control: Tachometer / Frequency Generator
Protection: Polarity Protection, Locked Rotor Protection
Insulation Resistance: 10M Ohm min. at 500 VDC
Operating Temperature: -10 to +70 °C
Storage Temperature: -40 to +70 °C

4715KL-07W-B49-P03 Applications

1. Hitachi CA13 Elevator Inverters: Direct replacement fan designed to overcome high system impedance within the drive's compact power module housing.
2. Industrial VFD Cooling: High static pressure capability ensures consistent heat dissipation for variable frequency drives operating in enclosed control cabinets.
3. Telecom Infrastructure: Ideal for 48VDC rectified power systems where long-term reliability and signal feedback for fan health monitoring are required.

Supplemental Images


NMB
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MODEL
4715KL-07W-B49
48V ⎓ DC
0.26A
EP
Minebea Co., Ltd.
P03
MADE IN CHINA
+:RED,-:BLACK