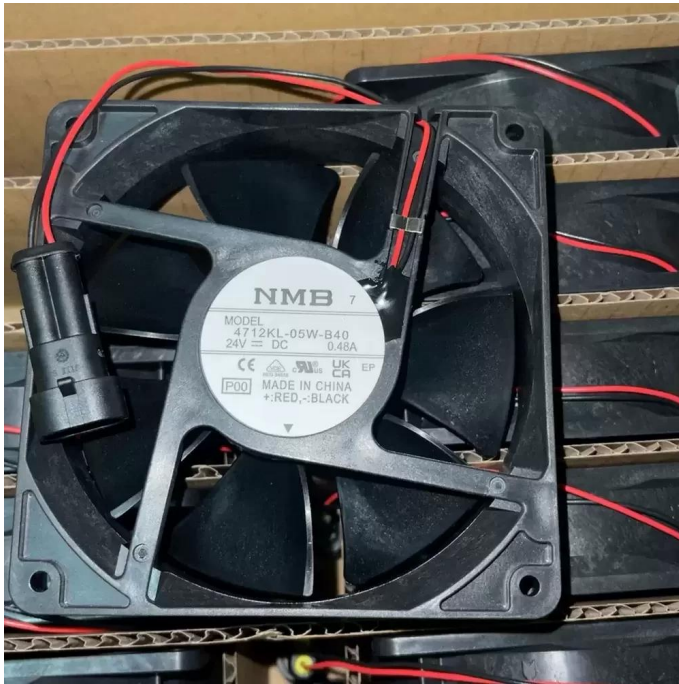


4712KL-05W-B40-P00 NMB 24VDC 119x119x32mm Cooling Axial Fan Datasheet



Brand: NMB

SKU: [945669893945](#)

Category: Axial & Centrifugal Fans

Price: **\$41.99**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/4712kl-05w-b40-p00-nmb-24vdc-119x119x32mm-cooling-axial-fan>

Product Description

The NMB 4712KL-05W-B40-P00 is a precision-engineered DC Axial Fan manufactured by MinebeaMitsumi, designed to deliver robust thermal management in industrial electronics. This unit features a durable double ball bearing architecture that ensures exceptional structural rigidity and a prolonged service life, even under continuous operation. The fan utilizes an advanced aerodynamic impeller profile to maximize air volume throughput while minimizing thermal impedance, making it highly effective for dissipating heat in densely packed power conversion systems and variable frequency drives.

Model Number: 4712KL-05W-B40-P00

Brand: NMB-MAT (MinebeaMitsumi)

Product Type: DC Axial Fan

Rated Voltage: 24 VDC

Operating Voltage Range: 12.0 - 27.6 VDC

Rated Current: 0.48 A

Input Power: 11.52 W

Rated Speed: 3100 RPM

Max. Air Flow: 115.0 CFM (3.25 m³/min)

Max. Static Pressure: 8.6 mmH₂O (84.3 Pa / 0.34 inH₂O)

Bearing Type: Dual Ball Bearing

Dimensions: 119 x 119 x 32 mm

Weight: 260 g

Noise Level: 48.0 dB(A)

Housing Material: PBT Plastic (UL94V-0)

Impeller Material: PBT Plastic (UL94V-0)

Termination: Lead Wires (Red/Black)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Insulation Resistance: 10M Ohm min. at 500 VDC

Dielectric Strength: 700 VAC for 1 second

Life Expectancy: 100,000 Hours (at 25°C)

Motor Protection: Locked Rotor Protection; Reverse Polarity Protection

Rotation Direction: Clockwise (viewed from label side)

Airflow Direction: Air Out Over Struts

The 4712KL-05W-B40-P00 is specifically calibrated for high-reliability applications, including its use as a primary cooling solution for ABB variable frequency drive inverters. Beyond power electronics, the 4712KL-05W-B40-P00 is widely deployed in server rack ventilation, telecommunications cabinets, and CNC control systems where consistent airflow is critical to prevent component overheating and ensure operational stability.

Supplemental Images

