3610KL-04W-B40-P33 NMB 12VDC 0.28A 92x92x25mm Axial Fan Datasheet

Brand: NMB

SKU: 1035254101088

Category: Axial & Centrifugal Fans

Price: **$17.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/3610kl-04w-b40-p33-nmb-12vdc-0-28a-92x92x25mm-axial-fan

Product Description

NMB 3610KL-04W-B40-P33 is a 12VDC 92x92x25mm Axial Fan optimized for high-density thermal management in enclosed electronic systems. This unit features a brushless DC motor architecture paired with a precision-engineered dual ball bearing system, ensuring low thermal impedance and high structural rigidity during continuous operation. The aerodynamic impeller design is specifically tuned to balance volumetric airflow and static pressure, delivering 54.7 CFM at a rated speed of 3200 RPM. With a power consumption of 0.28A, this fan provides a reliable cooling solution for industrial hardware requiring consistent heat dissipation and long-term mechanical stability.

Model Number: 3610KL-04W-B40-P33
Brand: NMB Technologies (MinebeaMitsumi)
Product Type: Axial Fan
Rated Voltage: 12 VDC
Voltage Range: 6.0 - 13.8 VDC
Rated Current: 0.28 A
Power: 3.36 W
Rated Speed: 3200 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 54.7 CFM (1.55 m^3/min)
Max. Static Pressure: 4.20 mmH_2O (41.2 Pa)

Dimensions: 92 x 92 x 25 mm
Weight: 95 g
Life Expectancy: 70,000 Hours (25°C)
Noise Level: 37.5 dB
Housing Material: Plastic (Black) UL94V-0
Blade Material: Plastic (Black) UL94V-0
Termination: 2 Lead Wires
Operating Temperature: -10 to +70 °C
Storage Temperature: -40 to +70 °C
Insulation Resistance: 10M Ohm min. at 500VDC
Dielectric Strength: 700VAC for 1 minute
Protection Features: Polarity Protection, Locked Rotor Protection

3610KL-04W-B40-P33 Applications
1. Industrial Power Supplies: The dual ball bearing design provides the necessary mechanical endurance for 24/7 operation in switch-mode power supplies, serving as a high-reliability replacement fan for aging thermal components.
2. Network Storage Enclosures: Optimized for overcoming system impedance in multi-drive NAS and RAID arrays where consistent static pressure is required to maintain drive longevity.
3. Medical Imaging Equipment: Utilizes low-vibration rotor balancing to ensure thermal stability in sensitive diagnostic hardware without introducing mechanical interference.

Supplemental Images