

GB1245PKVX-8AY.11.B4166.F.X.GN SUNON 12VDC 45x45x20mm Blower Datasheet



Brand: SUNON

SKU: [990072248057](#)

Category: Axial & Centrifugal Fans

Price: **\$14.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/gb1245pkvx-8ay-11-b4166-f-x-gn-sunon-12vdc-45x45x20mm-blower>

Product Description

The SUNON GB1245PKVX-8AY.11.B4166.F.X.GN is a DC Centrifugal Blower engineered for applications requiring concentrated airflow and high static pressure against significant system resistance. Utilizing SUNON's proprietary MagLev (Magnetic Levitation) motor technology, this unit eliminates physical contact between the shaft and bearing, significantly reducing friction, vibration, and noise while extending operational lifespan. The aerodynamic volute design optimizes thermal impedance management, ensuring efficient heat dissipation in compact enclosures. Constructed with high-grade thermoplastic for structural rigidity, this blower delivers consistent performance in demanding thermal environments, making it an ideal solution for precision optical cooling and dense electronic assemblies.

Model Number: GB1245PKVX-8AY.11.B4166.F.X.GN

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Product Type: DC Centrifugal Blower

Rated Voltage: 12 VDC

Voltage Range: 6.0 - 13.8 VDC

Rated Current: 0.10 A

Power Consumption: 1.20 W

Rated Speed: 5500 RPM

Bearing Type: MagLev (Vapo Bearing System)

Max. Air Flow: 4.6 CFM (7.8 m³/h / 0.13 m³/min)

Max. Static Pressure: 15.24 mmH₂O (149.45 Pa / 0.60 inH₂O)

Dimensions: 45 x 45 x 20 mm

Weight: 30.5 g

Life Expectancy: 60,000 Hours at 40°C

Termination: 3-Wire (Lead Wire)

Wire Gauge: 26 AWG

Signal Output: Frequency Generator (Tachometer)

Housing Material: PBT Thermoplastic (UL94V-0)

Impeller Material: PBT Thermoplastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Noise Level: 34.5 dB(A)

Ingress Protection: IP5X (Dust Protected)

Safety Certifications: UL, CUR, TUV

Protection: Auto Restart, Polarity Protection

The GB1245PKVX-8AY.11.B4166.F.X.GN is specifically calibrated for integration into compact projection systems and portable multimedia devices where space is at a premium and thermal density is high. Its focused airflow path allows the GB1245PKVX-8AY.11.B4166.F.X.GN to effectively cool optical engines, micro-projector lamps, and dense server components by forcing air through restrictive heatsinks and ducts with minimal back-pressure loss.

Supplemental Images

