

220V AC Cooling Fan, 45x45x10mm

This 220V AC fan features a die-cast aluminum housing and a glass fiber reinforced plastic impeller. It is designed to provide cooling in a compact 45x45x10mm form factor.



ADDITIONAL IMAGES



Product Overview

High-Performance 220V AC Cooling Fan

This compact 45x45x10mm AC cooling fan is engineered for efficient thermal management in space-constrained industrial and electronic applications. Featuring a durable die-cast aluminum housing and UL 94V-0 rated glass fiber reinforced impellers, it ensures reliable operation even in demanding environments. Ideal for humidifiers, aromatherapy machines, and compressors, this fan provides a balance of high airflow and quiet performance to extend the lifespan of your critical components.

Technical Specifications



Rated Voltage

220 V AC
Voltage

| | |
|----------------------|-----------------|
| Dimensions | 45 x 45 x 10 mm |
| Insulation Impedance | 500 M Ω |
| Resist Strength | 2200V/S |

Construction & Materials



Motor Components

- High-temperature pure copper line
- High-quality stamped motor housing
- Fiberglass PCB circuit board
- Imported high-precision NMB bearings

Housing Material

Die-cast aluminum

Impeller Material

Glass fiber reinforced plastic (UL 94V-0 rating)

Performance Options

两种选择 含油轴承和滚珠轴承

双滚珠轴承 (SHL, S系列) 采用滚动摩擦的形式，减少了两个滚动摩擦，轴承摩擦阻力小，运转时噪音小，使用寿命长，且不受润滑油污染，双滚珠轴承的使用寿命长，静音性能好。



含油轴承 (SHL, S系列) 采用液体摩擦的形式，在启动时摩擦阻力小，启动扭矩低，但长期使用由于油膜破裂会导致磨损，寿命短于滚珠轴承。

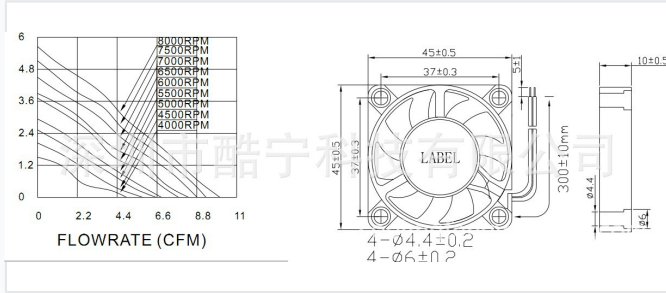
Available Bearing Systems

| Bearing Type | Advantages | Warranty |
|----------------------|---|----------|
| Sleeve (Oil) Bearing | Low noise, cost-effective | 1 Year |
| Dual Ball Bearing | Long lifespan, high-speed stability, no leakage | 2 Years |

Performance Range

- Speed Range: 4000 RPM to 8000 RPM
- Max Airflow: Up to 8.85 CFM
- Noise Level: 24.3 to 39.3 dB-A

Installation & Connectivity



Mounting Details

- Hole Distance (Parallel): 37±0.3mm
- Screw Hole Diameter: Ø4.4±0.2mm / Ø6±0.2mm
- Wire Length: 300±10mm

Connection Interface

Leader Wire, Terminal Connector, 2-Pin, 3-Pin, 4-Pin

Usage Guidelines

Operational Safety

- Do not pull power leads or press blades
- Avoid dust, water droplets, and insect entry
- Maximum operating temperature: 80°C
- Do not lock blades while powered to prevent burnout
- Max screw torque: 4Kgf