

## 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 $\Omega$
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，降低了两个滚动摩擦，摩擦系数比滑动摩擦小得多，因此功耗更低，运行更安静，且不易产生油污。双滚珠轴承的使用寿命更长，适合长时间运行。



**含油轴承 (SHL, S系列)** 采用液体润滑的滚动摩擦，在启动时能迅速形成油膜，优化摩擦系数，但长期使用由于油的挥发会导致磨损加剧。需定期添加润滑油，适合间歇性运行。

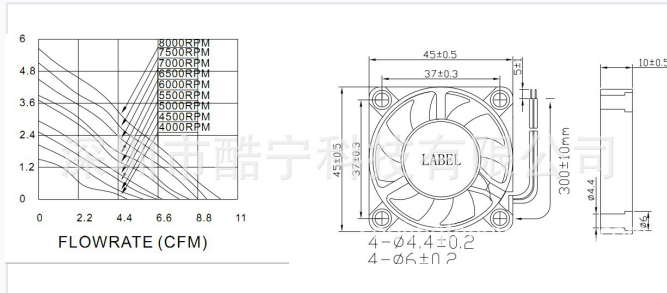
### Available Bearing Systems

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