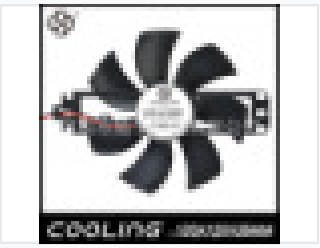
220V AC Cooling Fan 120x120x25mm

This AC cooling fan operates at 220V and has dimensions of 120mm x 120mm x 25mm. It is designed with a die-cast aluminum housing and a glass fiber reinforced plastic impeller.

ADDITIONAL IMAGES



Product Overview

Industrial-Grade AC Cooling Solution

This 220V AC cooling fan is engineered for high-performance thermal management in demanding environments like industrial machinery and power supplies. Featuring a robust die-cast aluminum housing and UL 94V-0 rated glass fiber reinforced plastic impellers, it ensures durability and safety. With options for both lead wires and terminals, it offers versatile integration for professional B2B applications.

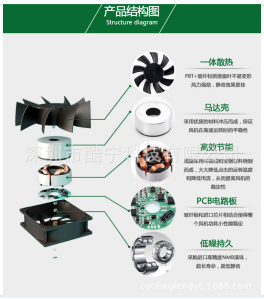
Technical Performance

Performance Metrics

220 V	2200 V/S	500 M©
Rated Voltage	Dielectric Strength	Insulation Impedance

Physical Construction

Standard 120x120x25mm AC cooling fan for industrial applications.



Detailed view of the motor housing, PCB, and copper coil construction.

Dimensions

Dimension	Value
Length	120mm
Width	120mm
Thickness	25mm

Materials & Build

- Die-cast aluminum housing
- Glass fiber reinforced plastic impeller (UL 94V-0)
- High-temperature copper line motor winding
- Pure copper wire and Baosteel material coil

Bearing Options

Comparison between ball bearings and sleeve bearings for different performance needs.

Available Bearing Systems

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

Installation & Connectivity

Various terminal and plug configurations available for custom orders.

Connection Types	Leader Wire, Terminal, 2P/3P/4P Connectors

Usage Guidelines

Operating Safety

- Maximum operating temperature: 80°C
- Avoid dust, water droplets, and insect ingress
- Do not use in flammable or harmful gas environments
- Ensure screws are tightened to no more than 4Kgf torque
- Avoid dropping from heights over 60cm to maintain blade balance

Selection Guide

Quality Indicators

When selecting a fan, compare the current (lower current indicates lower power loss), noise levels (lower noise suggests better blade design and bearing precision), and vibration (minimal vibration ensures smoother operation and longer bearing life).