220V AC Cooling Fan 120x120x38mm

This AC cooling fan operates at 220V and measures 120x120x38mm. It is designed with a die-cast aluminum housing and a glass fiber reinforced plastic impeller.

ADDITIONAL IMAGES

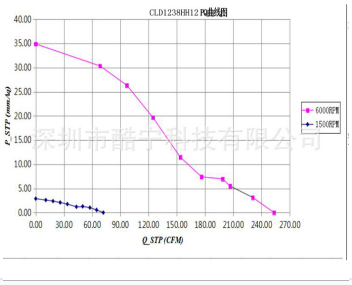
Overview

Standard industrial form factor 12038 fan with 220V AC input.

High-Performance Industrial Cooling

This 220V AC cooling fan is engineered for efficient heat dissipation in demanding environments like mining machines and industrial cabinets. Featuring a robust die-cast aluminum housing and glass fiber reinforced plastic impellers, it ensures reliable operation and long-term durability. With high-temperature copper wiring and professional-grade insulation, this fan is a high-performance solution for maintaining optimal system temperatures.

Technical Performance

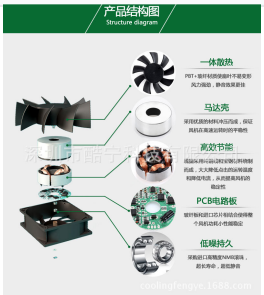


P-Q curve illustrating static pressure vs. airflow for different RPM settings.

Key Performance Metrics

220 V	6000 RPM	500 M©
Input Voltage	Max Speed	Insulation Impedance

Physical Construction



Detailed breakdown showing the aluminum housing, copper coils, and high-precision bearings.

Dimensions

Parameter	Measurement
Frame Size	120 x 120 mm
Thickness	38 mm
Parallel Hole Distance	10.5 cm
Diagonal Hole Distance	15 cm

Material Specifications

- Housing: Die-cast aluminum
- Impeller: Glass fiber reinforced plastic (UL 94V-0 rated)
- Wiring: High-temperature copper line
- Circuit Board: Fiberglass board with integrated chips

Electrical Safety

A wide variety of plug and terminal configurations are available to suit your specific equipment.

Safety & Electrical

- Resistance Strength: 2200V/S
- Available Connections: Leader wire or terminal
- Flame Retardancy: UL 94V-0 rating

Certifications	CE, RoHS, FC, UL 94V-0

Bearing Options

Buyers can choose between long-life ball bearings or low-noise oil-impregnated bearings.

Available Bearing Systems

Bearing Type	Pros	Warranty
Double Ball Bearing	Long lifespan, high-speed stability, no leakage	2 Years
Oil-Impregnated Bearing	Low noise, cost-effective	1 Year

Usage Guidelines

Operating Precautions

- Maximum operating temperature: 80°C
- Avoid dust, water droplets, and insect entry
- Do not use in flammable or harmful gas environments
- Do not lock blades for extended periods to prevent burn-out
- Maximum screw torque: 4Kgf