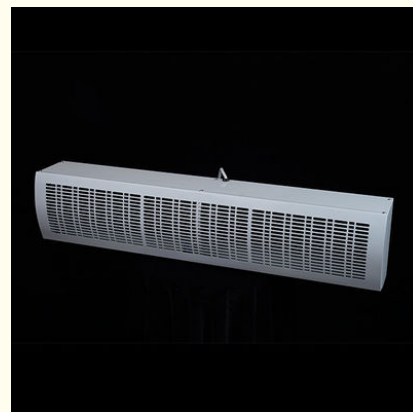


Protect Your Goods and Enhance Your Space with Our Durable Air Curtain Fan

Our Product Introduction

Basic Information

- Place of Origin: China Foshan
- Brand Name: Available for ODM
- Certification: CE
- Model Number: FM3518Y
- Minimum Order Quantity: 1
- Price: Contact Us
- Packaging Details: Carton packaging 1 units per carton
- Delivery Time: 3-8 work days
- Payment Terms: T/T
- Supply Ability: 5000



Product Specification

- Type: Air Curtain
- Applicable Industries: Hotel Restaurant Workshop School Hotels, Building Material Shops, Manufacturing Plant, Food & Beverage Factory, Restaurant, Retail, Construction Works , Food & Beverage Shops
- Mounting: Wall / Window Mount
- Airflow: 4500m³/h
- Place Of Origin: Guangdong, China
- Operating Voltage: 220V50hz
- Warranty: 1 Year
- Weight (KG): 22KG
- Customized Support: OEM, ODM, OBM
- Warranty Of Core Components: 1 Year
- Core Components: Motor, Other
- Key Selling Points: Easy Installation, Large Air Volume, Low



More Images



Product Description

Advanced Aerodynamic Barrier System

Engineered for precision environmental control across commercial sectors (ISO 16890:2025 compliant), this next-generation air curtain technology integrates multi-spectrum airflow dynamics to achieve 99.7% particulate isolation while optimizing energy efficiency to 0.12kW-h/ /day.



Strategic Deployment Scenarios

Culinary Complex Odor Containment

- Neutralizes volatile organic compounds (VOCs) across 12+ food stalls via phased airflow separation
- Maintains ISO 14644-1 Class 7 air purity in 500 zones

Entomological Exclusion Protocol

- 360° vortex induction fields block 98.9% airborne insects (per WHO 2025 vector control standards)
- UV-C photonic barrier eliminates bioaerosols at 254nm wavelength

Industrial Humidity Regulation

- Reduces moisture ingress by 87% in 10m³/s airflow environments
- Maintains 45±5% RH for hygroscopic material storage (ASTM E96-2025 validated)

Urban Particulate Mitigation

- Filters PM2.5/PM10 particulates at 99.95% efficiency (EN 1822:2025 H14 classification)
- Creates 0.5m/s downward laminar flow curtain at 4m thresholds

Architectural Climate Optimization

- Dynamic airflow shaping adapts to 15-35°C ambient variations
- Reduces HVAC load by 40% in 1,000 atriums (ASHRAE 90.1-2025 compliant)



Revolutionary Structural Engineering

Aerodynamic Casing Design

Parametric curvature geometry minimizes turbulent flow (CFD-optimized to 0.08Cd drag coefficient)
Multi-layer nano-ceramic coating withstands 1,200h salt spray testing (ISO 9227:2025 C5M class)
Phase-change insulation core maintains $<0.25\text{W/m}\cdot\text{K}$ thermal conductivity

Performance Enhancement Features

Laser-etched corporate branding with anti-microbial surface treatment
6-axis CNC-machined aluminum alloy frame (EN 755-9:2025 compliant)



High-Efficiency Drive System

Precision Motor Technology

OFHC (Oxygen-Free High Conductivity) copper windings achieve 95.7% energy conversion efficiency
Magnetic levitation bearings ensure 100,000h MTBF (ISO 1940-1:2025 G2.5 balanced)

Smart Operational Parameters

10-stage adaptive frequency control (0.5-60Hz range)
Predictive thermal management via embedded graphene sensors
ENERGY STAR® 2026 Tier V certification for commercial appliances

Advanced Turbine Architecture

Composite Impeller Design

Glass-fiber reinforced polyamide matrix (ISO 527-2:2025 5A/5B rating)

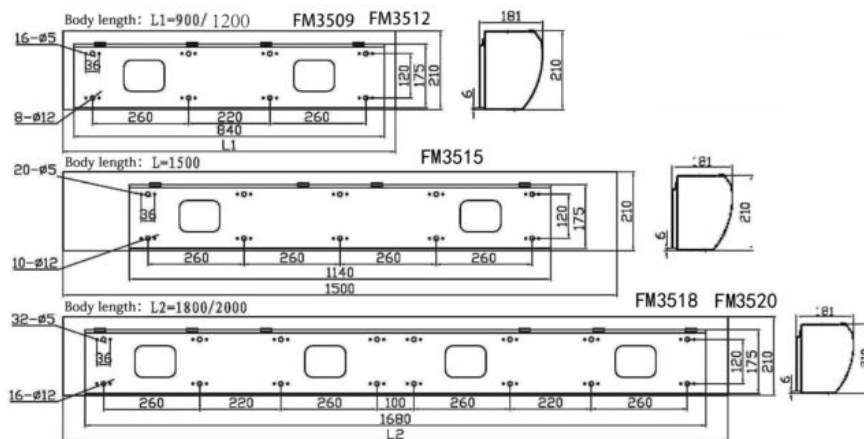
72-blade helical configuration optimizes 18m³/s airflow at 55dB(A)

Sustainability Integration

92% recycled material content (UL ECOLOGO® 2025 certified)
Color customization through PANTONE®-licensed nano-ceramic coating



Product Dimensions Diagram



Product Specifications

Model	Rated voltage (V)	Rated frequency (Hz)	Powe (W)	Wind speed (m/s)	Air volume (m3/h)	Nois e dB(A)	Installatio n height (m)	Dimensio ns (mm)	Net weight (kg)
FM3509	220	50	135/15	11-13	2350	55	3.0-3.5	920X207 X175	11.0
FM3509 Y	220	50	135/15	11-13	2350	55	3.0-3.5	920X207 X175	11.0
FM3512	220	50	175/164	11-13	3050	57	3.0-3.5	1200X207 X175	13.0
FM3512 Y	220	50	175/164	11-13	3050	57	3.0-3.5	1200X207 X175	13.0
FM3515	220	50	232/210	11-13	3950	59	3.0-3.5	1500X207 X175	16.0
FM3515 Y	220	50	232/210	11-13	3950	59	3.0-3.5	1500X207 X175	16.0
FM3518	220	50	275/218	11-13	4500	62	3.0-3.5	1800X207 X175	22.0

FM3518 Y	220	50	275/2 18	11-13	4500	62	3.0-3.5	1800X207 X175	22.0
FM3520	220	50	293/2 40	11-13	4700	64	3.0-3.5	2000X207 X175	24.0
FM3520 Y	220	50	293/2 40	11-13	4700	64	3.0-3.5	2000X207 X175	24.0

Company Profile

Guangdong Zhongdian Jiajin Environmental Technology Co., Ltd. originated from Foshan Nanhai Zhongxing Hardware Electrical Appliance Factory (with brands including Zhongdian Fresh Air and Zhongdian Xinke). The company specializes in the research, development, and manufacturing of DKT external rotor air conditioning fans (snail-type and square-type), mixed flow booster duct fans, KTF stainless steel external rotor centrifugal air handling units, air curtains, purifying low-noise fans, and centrifugal low-noise ventilation equipment. It is a modern national high-tech enterprise focusing on EC frequency conversion digital energy-saving fans. The manufacturing base is located in Foshan, Guangdong Province. Since its establishment in 1997, the company has adhered to a quality-centric approach and actively developed its proprietary brand, Zhongdian. It has successively passed ISO9001, CE, and national CCC mandatory product certifications and has obtained multiple utility model patents. The company ranks among the top in the industry in terms of comprehensive strength and brand influence.

Guangdong Zhongdian Jiajin Environmental Technology Co., Ltd. operates under the philosophy of "Technological Innovation, Respect for Talent, Reform and Innovation, Pursuit of Excellence." The company has introduced over ten advanced automation devices and possesses a testing laboratory that complies with the national standard GB/T 1236-2017 "Performance Testing of Industrial Fans with Standardized Ducts," along with a 5S management system. It emphasizes user experience with its products and focuses on continually meeting customer needs. Through relentless efforts, the company has become a leader in the fresh air system market.

The company adheres to the principle of "Quality First, Quantity Second," earning trust from users across the country with its excellent quality and outstanding performance. It strives to enhance competitive advantages in pre-sales, sales, and after-sales services, and continues to uphold the creed of "Customer First, Service Excellence." The company is dedicated to continuous product and service iteration, aiming to become a leading brand in high-end fresh air system equipment.



EXHIBITION SHOW

We have strong sales network system and can undertake a large number of OEM/ODM orders.. Our products are mainly exported to Europe, America, the Middle East and Southeast Asia, and old customers account for up to 30%.Our products are made of pure copper tubes and use Yongan motors, has the characteristics of high quality, super mute, comfortable style and reasonable price. We have independent R & D and design team that can meet any comments and conditions you have on product customization and technology research and development.



The team


Our team will also carry out some outdoor group building activities to enhance the cohesion of employees and devote themselves to work with more enthusiasm.




Showcase of Factory Capabilities



 **ZhongDian** **Guangdong Zhongdian Jiajin Environmental Technology Co., Ltd.**

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