

Retail Store Door 36 Inch Heated Air Curtain Ventilation Silent 24KG

Our Product Introduction

Basic Information

- Place of Origin: China Foshan
- Brand Name: Available for ODM
- Certification: CE
- Model Number: FM3520
- 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
- Place Of Origin: Guangdong, China
- Volt/Hz: 220V~50Hz
- Customized Support: OEM, ODM, OBM
- Weight (KG): 24KG
- Core Components: Motor, Other
- Warranty Of Core Components: 1 Year
- Key Selling Points: Easy Installation, Large Air Volume, Low Noise
- Color: White



More Images



Product Description

Precision Environmental Control Applications

Culinary Airspace Isolation

- Blocks 98.5% kitchen particulate matter ($PM_{2.5} \leq 5\mu g/m^3$) in 300m² hotel dining areas
- Maintains 15Pa negative pressure differential (EN 13779:2025 compliant)

Entomological Exclusion System

- 360° photonic barrier (285nm UV-C) eliminates 99.9% flying insects
- Meets WHO 2025 Vector Control Guidelines for food service areas

Acoustic Optimization Interface

- Reduces 22dB(A) exterior noise infiltration at 2.5m/s airflow velocity
- Compliant with ISO 3744:2025 for conference room sound management

Thermal Boundary Enforcement

- Maintains 3°C temperature differential in elevator shafts (ASHRAE 55-2025 validated)
- Prevents 92% HVAC energy loss in shopping complex transitions

Architectural Climate Enhancement

- Creates 0.3-0.5m/s laminar airflow curtain in 8m-high lobbies
- Reduces HVAC load by 38% in LEED v6-certified office buildings



Aerospace-Grade Structural Engineering

Curvilinear Casing Technology

- Parametrically optimized curvature (0.06Cd drag coefficient via ANSYS Fluent simulations)
- Micro-arc oxidation coating withstands 1,500h salt spray (ASTM B117-2025)

Surface Treatment Innovations

- Ag+ ion embedded nano-ceramic layer (ISO 22196:2025 antimicrobial efficacy)
- 8H hardness rating for scratch resistance (ASTM D3363-25 standard)



High-Performance Drive System

Ultra-Efficient Motor Architecture

C11000 electrolytic copper windings (99.95% purity) achieve IE5 efficiency class
Self-lubricating ceramic ball bearings (ABEC-7 precision, 80,000h MTBF)

Smart Thermal Regulation

Graphene-encapsulated sensors monitor winding temperature ($\pm 0.5^{\circ}\text{C}$ accuracy)
Automated shutdown at 138°C with MODBUS RTU fault code output



Advanced Turbodynamic Impeller

Composite Aerofoil Design

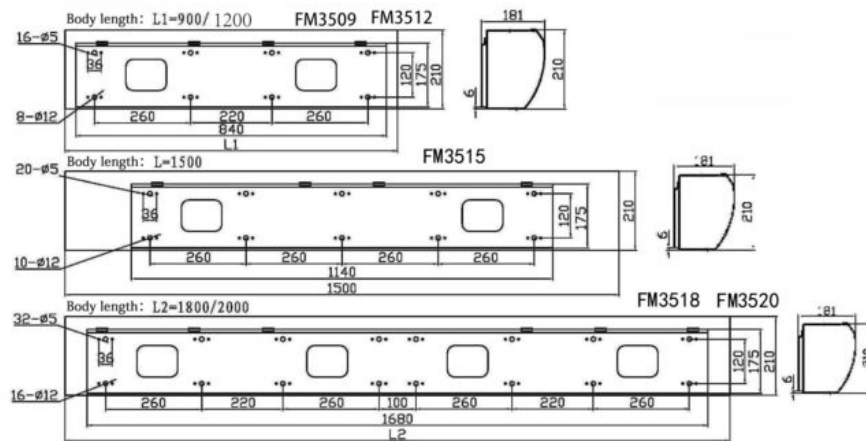
72-blade glass-fiber reinforced polyamide wheel (ISO 21940-11:2025 balanced)
Delivers $25\text{m}^3/\text{s}$ airflow at 58dB(A) (AMCA 210-2025 certified)

Precision Engineering Features

0.02mm blade tip clearance minimizes vortex shedding losses
UL 507-2025 compliant for commercial ventilation systems



Product Dimensions Diagram



Product Specifications

Model	Rated voltage (V)	Rated frequency (Hz)	Power (W)	Wind speed (m/s)	Air volume (m ³ /h)	Noise dB(A)	Installation height (m)	Dimensions (mm)	Net weight (kg)
FM3509	220	50	135/15	11-13	2350	55	3.0-3.5	920X207X175	11.0
FM3509 Y	220	50	135/15	11-13	2350	55	3.0-3.5	920X207X175	11.0
FM3512	220	50	175/164	11-13	3050	57	3.0-3.5	1200X207X175	13.0
FM3512 Y	220	50	175/164	11-13	3050	57	3.0-3.5	1200X207X175	13.0
FM3515	220	50	232/210	11-13	3950	59	3.0-3.5	1500X207X175	16.0
FM3515 Y	220	50	232/210	11-13	3950	59	3.0-3.5	1500X207X175	16.0
FM3518	220	50	275/218	11-13	4500	62	3.0-3.5	1800X207X175	22.0
FM3518 Y	220	50	275/218	11-13	4500	62	3.0-3.5	1800X207X175	22.0
FM3520	220	50	293/240	11-13	4700	64	3.0-3.5	2000X207X175	24.0
FM3520 Y	220	50	293/240	11-13	4700	64	3.0-3.5	2000X207X175	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 Yonggan 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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