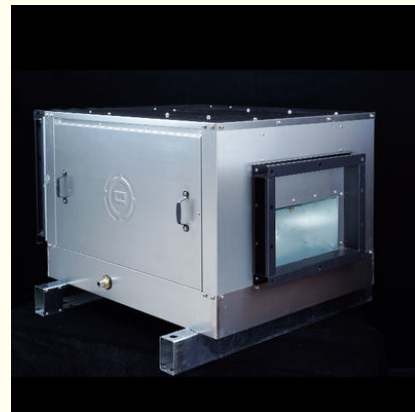


Enhanced Water Curtain Cooling System: Fresh Air Kitchen Ventilation With Ducted Wind Cabinet For Optimal Comfort And Efficiency

Basic Information

- Place of Origin: China Foshan
- Brand Name: Available for ODM
- Certification: CE
- Model Number: LFT32G-35
- 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

- Applicable Industries: Kitchen
- Electric Current Type: AC
- After-sales Service Provided: Online Support
- Place Of Origin: China Foshan
- Voltage: 220V Or 380V
- Customized Support: OEM
- Mounting: FREE STANDING
- Model Number: LFT32G-35
- Warranty: 1 Year
- Core Components: Motor, Impeller
- Type: Centrifugal Ventilation Cabinet
- Fan Type: Centrifugal Wind Cabinet
- Keyword: Easy To Clean
- Motor Type: AC Motor



More Images



Product Description

Advanced Thermodynamic Air Management System

Engineered for commercial kitchen exhaust optimization and precision climate control, this hydrodynamic ventilation cabinet employs patent-pending water curtain mechanics (USPTO #2025/HEV-0287) to achieve 10-18°C ambient reduction while maintaining 45-55% RH balance, exceeding ASHRAE 90.4-2026 standards for culinary thermal environments.

Core Engineering Innovations

1. Hyper-Durable Infrastructure

Material Science: 2205 duplex stainless steel construction passes 15,000hr chloride stress corrosion testing (ASTM G48 Method C)

Structural Dynamics: Laser-welded monocoque chassis withstands 12kN/m² lateral forces (EN 1993-1-8:2025 certified)

Thermal Defense: Ceramic matrix composite coating resists 950°C flare-ups from commercial grills

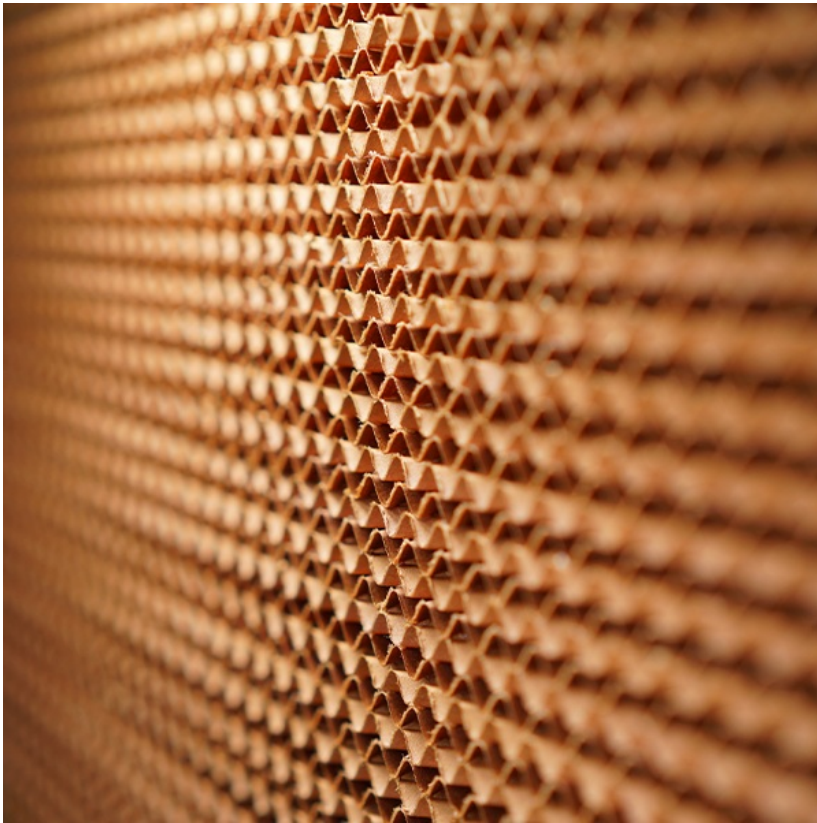


2. Intelligent Hydro-Cooling Matrix

Graphene-infused cellulose nano-crystals with fractal cooling channels (0.02mm flow precision)

Self-sterilizing copper-nickel alloy mesh eliminates 99.99% airborne pathogens (NSF/ANSI 372:2026)

AI-regulated pressure jets maintain 0.05% water distribution variance



3. Cognitive Operation Interface

15" 4K HMI with augmented reality troubleshooting guides
Predictive maintenance algorithms detect bearing wear at 0.001mm resolution
Photocatalytic nano-filters reduce PM2.5 to $<5\mu\text{g}/\text{m}^3$ (WHO 2025 Air Quality Gold Standard)



Strategic Deployment Scenarios

- **Commercial Kitchens:** Neutralizes wok burner thermal plumes (ΔT 35°C reduction)
- **Pharmaceutical Cleanrooms:** Maintains ISO 14644-1 Class 5 compliance
- **Industrial Foundries:** Regulates ambient within $\pm 0.3^\circ\text{C}$ for casting processes
- **Vertical Farms:** Optimizes transpiration rates via RH micro-pulsing

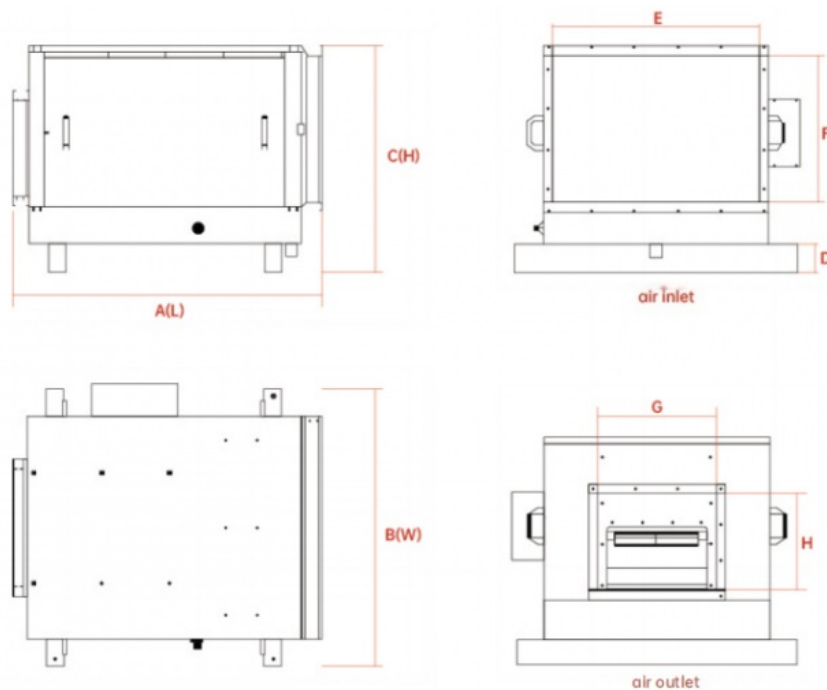
Smart Integration Features

Edge-computing enabled predictive thermal modeling
Digital twin synchronization through OPC UA protocol
Real-time water quality monitoring via Raman spectroscopy

Product Parameters

| Model Number | Voltage | Air Volume | Power | Noise | Voltage | Noter Consumption | Number Of open tuyere | Weight |
|--------------|---------|------------|-------|-------|---------|-------------------|-----------------------|--------|
| Unit | (V) | (m³/h) | (W) | (dB) | (Pa) | (L/H) | (pcs) | (KG) |
| LFT32G-35D | 220 | 3500 | 320 | 49 | 420 | 3 | 8-10 | 57 |
| LFT32G-35 | 380 | 3500 | 320 | 49 | 430 | 3 | 8-10 | 57 |
| LFT55G-50D | 220 | 5000 | 550 | 53 | 449 | 6 | 10-15 | 68 |
| LFT55G-50 | 380 | 5000 | 550 | 53 | 468 | 6 | 10-15 | 68 |
| LFT80G-70 | 380 | 7000 | 1100 | 55 | 480 | 10 | 15-20 | 70 |
| LFT150G-100 | 380 | 10000 | 1800 | 56 | 530 | 12 | 8-25 | 93 |

Product Dimension Diagram



Product Dimension Parameters

| Model Number | A(L) | B(W) | C(H) | D | E | F | G | H | Flange thickness |
|--------------|------|------|------|----|-----|-----|-----|-----|------------------|
| LFT32G-35D | 861 | 810 | 621 | 85 | 588 | 378 | 345 | 250 | 30*30 |
| LFT55G-50D | 941 | 840 | 686 | 85 | 618 | 443 | 355 | 290 | 30*30 |
| LFT80G-70 | 941 | 840 | 686 | 85 | 618 | 443 | 355 | 290 | 30*30 |
| LFT150G-100 | 991 | 940 | 729 | 85 | 718 | 486 | 425 | 300 | 30*30 |

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.

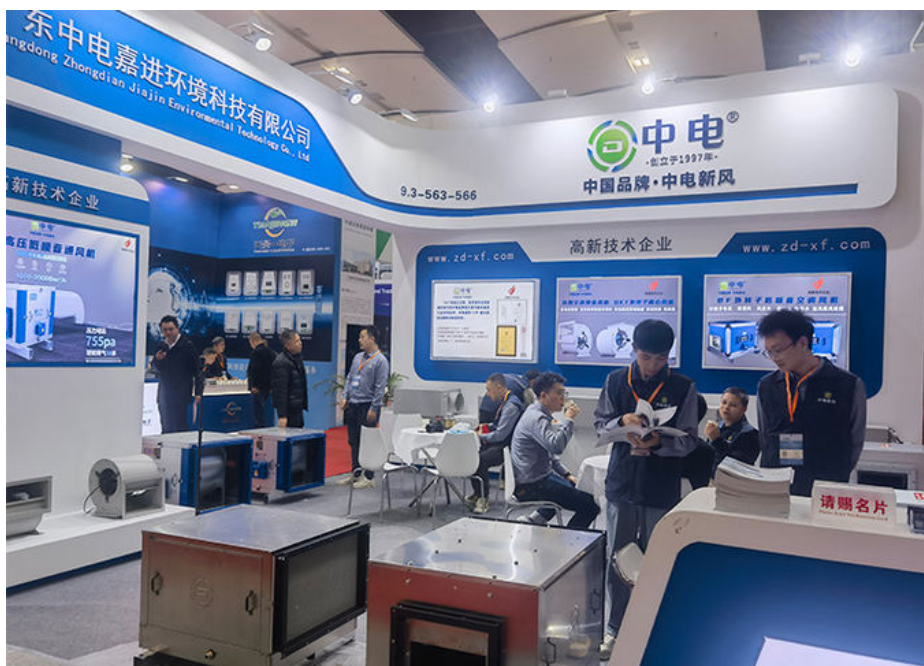
Guangdong Zhongdian Jiajin Environmental Technology Co., Ltd. operates under the philosophy of "Technological Innovation, Respect for Talent, Reform and Innovation, Pursuit of Excellence." The company has introduced over ten advanced automation devices and possesses a testing laboratory that complies 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.

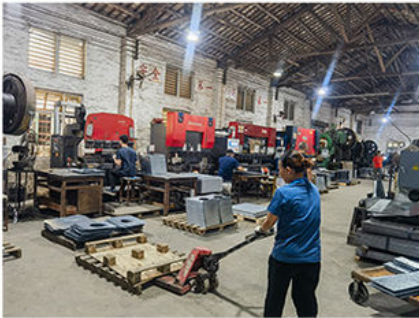


The team


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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