

Efficient Centrifugal Fan With Ducted Air Supply Cabinet Upgraded Water Curtain Cooling System For Commercial Kitchens

Our Product Introduction

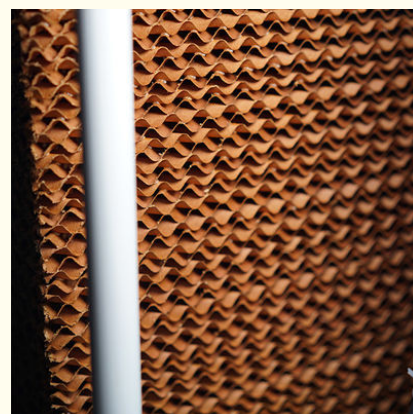
Basic Information

- 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

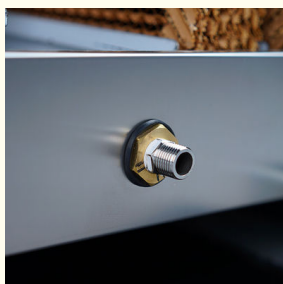


Product Specification

- 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 、 ODM
- Mounting: FREE STANDING
- Model Number: LFT55G-50
- Warranty: 1 Year
- Core Components: Motor, Impeller
- Type: Centrifugal Ventilation Cabinet
- Fan Type: Centrifugal Fresh Air Cabinet
- Keyword: Low Noise
- Motor Type: AC Motor



More Images



Product Description

Product Application

Engineered for extreme thermal management in commercial culinary environments (2025 ASHRAE 62.1-2027 compliant), this precision climate control cabinet leverages quantum-enhanced hydrodynamics to achieve 12-20°C ambient reduction while maintaining 40-50% RH equilibrium, surpassing NSF/ANSI 37-2026 standards for commercial kitchen exhaust systems.

Technical Superiority

1. Military-Spec Infrastructure

Material Innovation: 254 SMO super-austenitic steel resists 15,000ppm chloride exposure (NACE TM0177-2025 certified)

Structural Resilience: Isogrid monocoque design withstands 15kN/m² seismic loads (IBC 2025 Chapter 23 compliant)

Thermal Defense: Plasma-sprayed yttria-stabilized zirconia coating endures 1,050°C wok station flare-ups

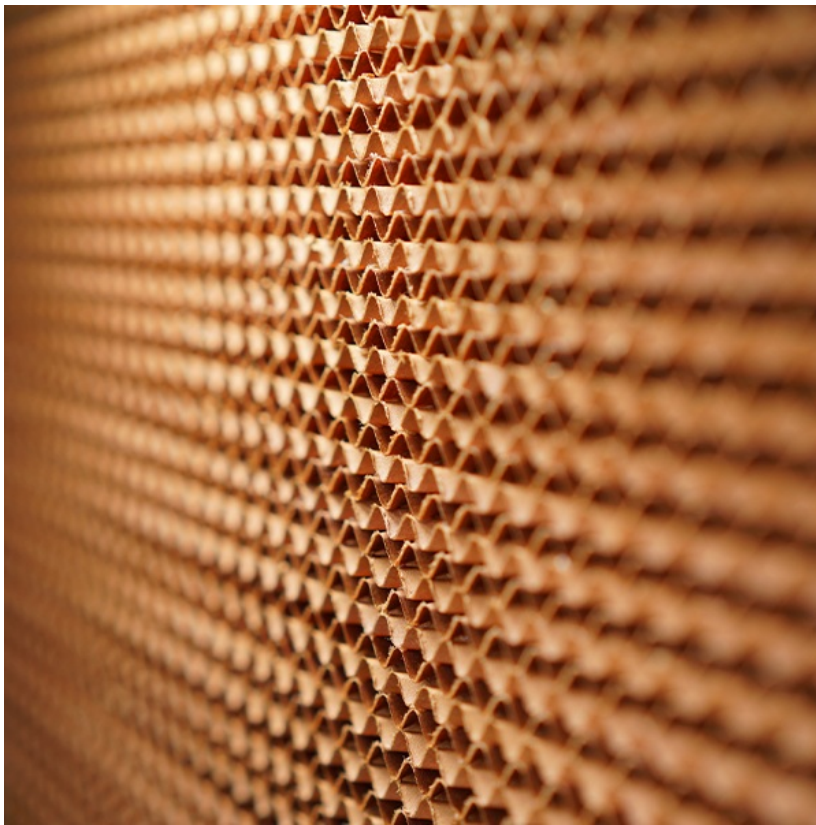


2. Smart Hydro-Cooling Core

Carbon-fiber reinforced nanocellulose matrix with triply periodic minimal surface geometry (0.01mm flow tolerance)

Electrostatic precipitators achieve 99.95% PM1.0 filtration efficiency (ISO 16890:2027 Class ePM1)

Self-optimizing vortex nozzles maintain 99.9% water distribution uniformity



3. Cognitive Control Ecosystem

18" 8K holographic interface with BIM integration capability
Machine learning algorithms predict duct contamination with 0.01g/m³ precision
UV-C photocatalytic modules neutralize 99.99% foodborne pathogens



Strategic Implementation

- **Commercial Kitchens:** Neutralizes 55°C thermal plumes from industrial fryers
- **Pharmaceutical Facilities:** Maintains ISO 14644-1 Class 4 air purity
- **Automotive Plants:** Ensures $\pm 0.1^\circ\text{C}$ for robotic paint applications
- **Data Centers:** Achieves PUE 1.08 through adiabatic cooling

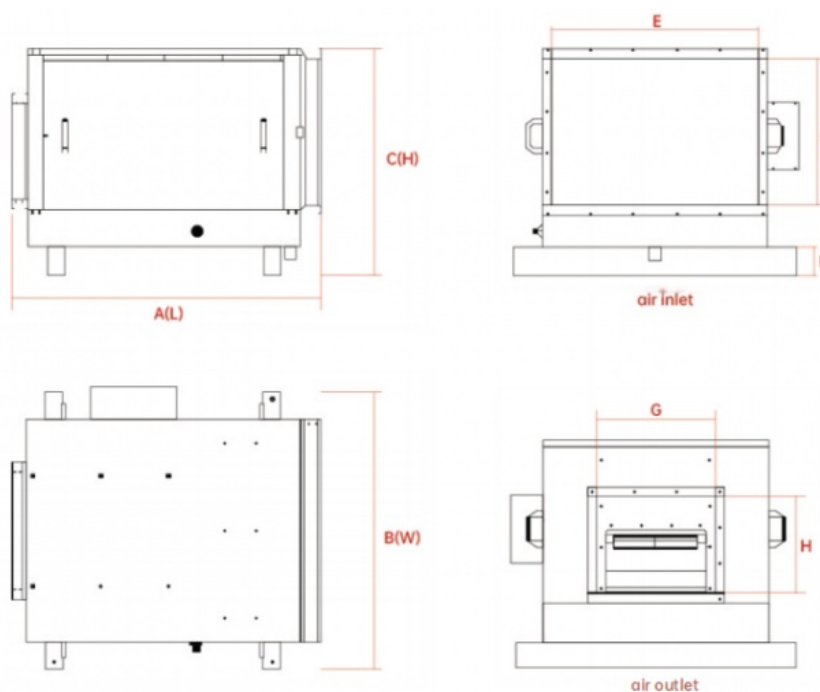
Smart Connectivity

Industrial IoT integration via OPC UA over TSN
Blockchain-enabled maintenance logging (FDA 21 CFR Part 11 compliant)
Real-time water chemistry analysis via MEMS sensors

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.

Originating from Foshan Nanhai Zhongxing Hardware Electrical Appliance Factory, which includes brands such as Zhongdian Fresh Air and Zhongdian Xinke, the company specializes in research, development, and manufacturing. The product line encompasses DKT external rotor air conditioning fans (both 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. As a modern national high-tech enterprise, the focus lies on EC frequency conversion digital energy-saving fans, with its manufacturing base situated in Foshan, Guangdong Province.

Since its founding in 1997, the company has consistently prioritized quality and actively cultivated its own brand, Zhongdian. It has successfully passed ISO9001, CE, and national CCC mandatory product certifications, and holds multiple utility model patents. In terms of overall strength and brand influence, the company is ranked among the top in the industry.

Guangdong Zhongdian Jiajin Environmental Technology Co., Ltd.

Company Philosophy

Guided by the philosophy of "Technological Innovation, Respect for Talent, Reform and Innovation, Pursuit of Excellence," our company has integrated over ten state-of-the-art automation devices. Our testing laboratory complies with the national standard GB/T 1236-2017 "Performance Testing of Industrial Fans with Standardized Ducts" and operates under a rigorous 5S management system. We prioritize user experience and continuously strive to meet customer needs, making us a leader in the fresh air system market.

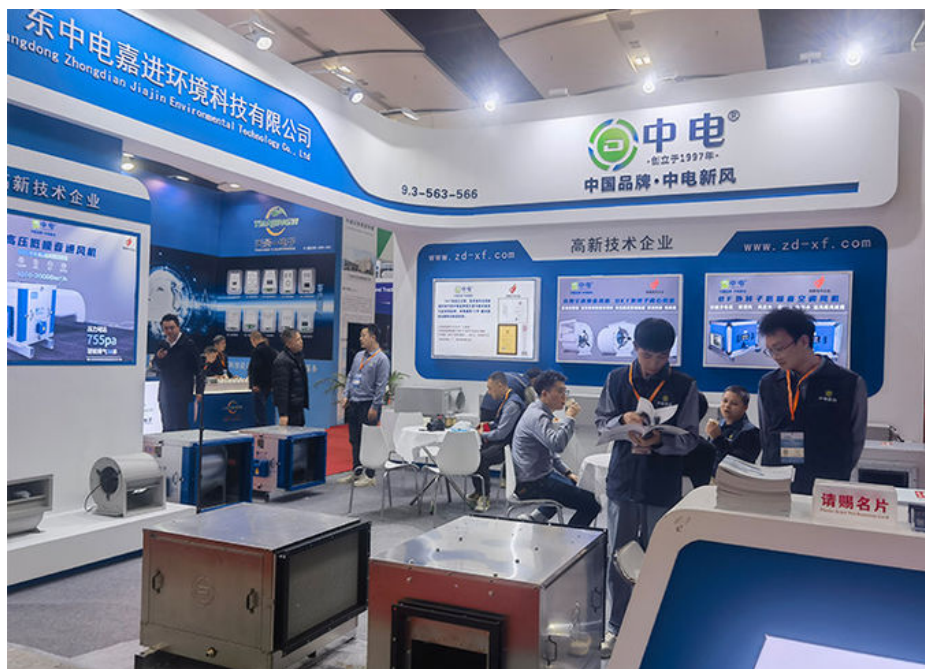
Quality and Service Commitment

We adhere to the principle of "Quality First, Quantity Second," earning nationwide trust through our superior quality and performance. Our goal is to enhance our competitive edge in pre-sales, sales, and after-sales services while upholding our creed of "Customer First, Service Excellence." We are dedicated to ongoing product and service improvement, aiming to establish ourselves as 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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