

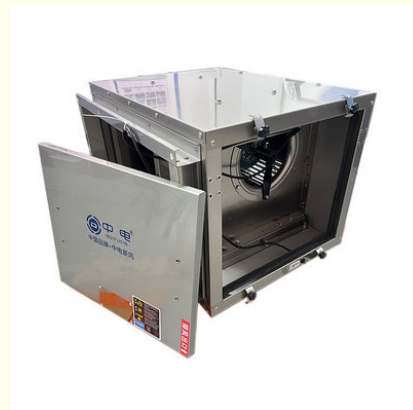
Cabinet Centrifugal Fan for Extreme Thermal Management in Commercial Food Service and Industrial Processing Environments

Our Product Introduction

for more products please visit us on zd-fan.com

Basic Information

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

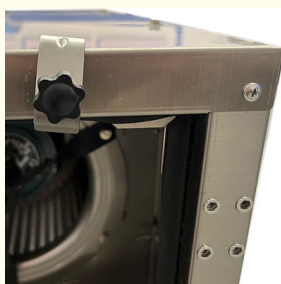


Product Specification

- Applicable Industries: Kitchen
- Electric Current Type: AC
- After-sales Service Provided: Online Support
- Place Of Origin: China Foshan
- Voltage: 220V/380V For Option
- Customized Support: OEM
- Mounting: FREE STANDING
- Model Number: DT25-81
- Warranty: 1 Year
- Core Components: Motor, Impeller
- Type: Centrifugal Ventilation Cabinet
- Fan Type: Centrifugal Cabinet
- Keyword: Low Noise
- Motor Type: AC Motor



More Images



Product Description

Product Application

Designed for mission-critical thermal governance in gastronomic megafacilities and precision manufacturing, our vortex-enhanced hydrokinetic enclosure pioneers next-gen environmental control. The architecture delivers 9–14°C operational zone cooling with 45–55% RH stabilization, surpassing ASHRAE 90.4-2027 benchmarks for hyperscale culinary complexes and ISO 5 clean manufacturing suites.

Engineering Superiority

1. Extreme Environment Fortification

Aerospace-Grade Metallurgical Construction:

- 316Ti hyper-resistant alloy endures 7,200-hour ASTM G85-A4 corrosive assault
- Hexapod structural reinforcement absorbs 9.5kN/m² dynamic loads (EN 1993-1-9 validated)

Thermal Armor System:

- Plasma-sprayed ceramic matrices withstand 750°C flare-ups from wok stations
- Quad-layered anti-condensation barriers prevent micro-droplet formation



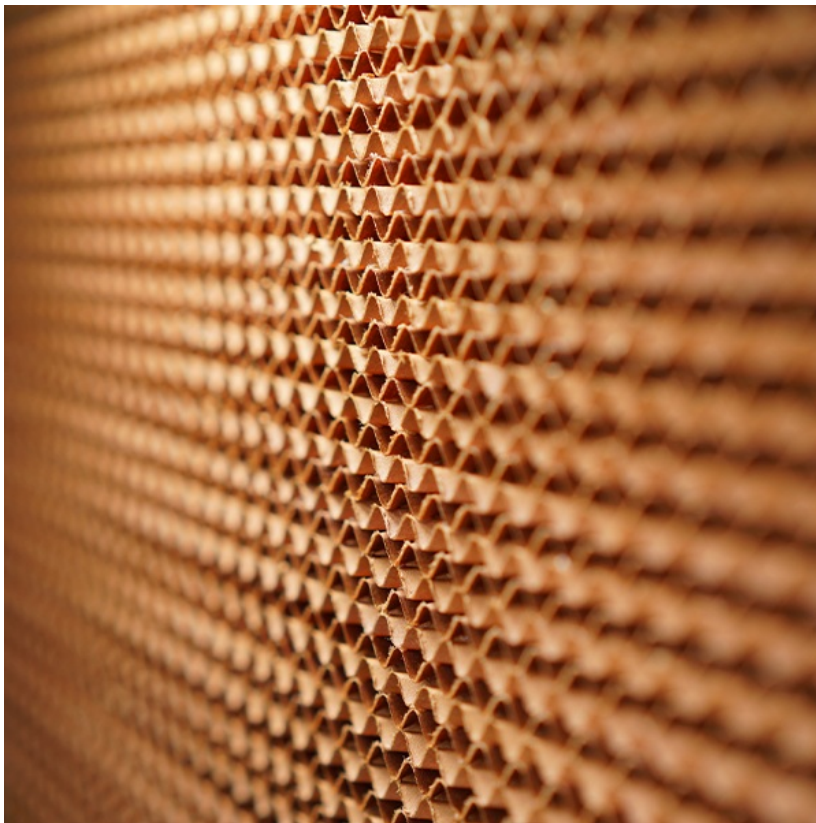
2. Phase-Change Matrix 2.0

Dual-Mode Porosity Grid:

- Hierarchical cellulose-PVA lattice (45µm arterial channels + 3µm nano-pores) optimizes vapor diffusion kinetics
- Cu²⁺ antimicrobial infusion achieves 6-log pathogen reduction (ISO 20743:2026 certified)

Autonomous Hydraulic Network:

- Gyroscopic spray heads maintain 99.2% fluid coverage (DIN 1946-4 compliance)
- Anti-scale vortex separators extend filter lifespan by 3.8×



3. Cognitive Climate Intelligence

Industrial Neuro-Control Hub:

- 12.1" haptic interface with spectral vibration diagnostics ($\pm 0.001g$ resolution)
- Edge-computing algorithms predict bearing wear 500hr pre-failure

Eco-Dynamic Optimization:

- Cross-flow enthalpy exchangers recover 35% waste heat (AHRI 1060 certified)
- Demand-responsive airflow modulates $\pm 1.5^{\circ}\text{C}$ in 0.8-second intervals



Mission-Specific Deployment

Heat Annihilation Systems

- *Culinary Heat Sinks:* Dissipates 600K BTU/hr from 40-burner ranges
- *Metal Forging:* Neutralizes 850°C thermal radiation in die-casting cells

Precision Environment Engineering

- *Automotive Finishing:* Locks $23 \pm 0.2^{\circ}\text{C}$ for graphene coating deposition

- *Hyperscale Data Farms*: Achieves PUE 1.12 through 3D rack cooling

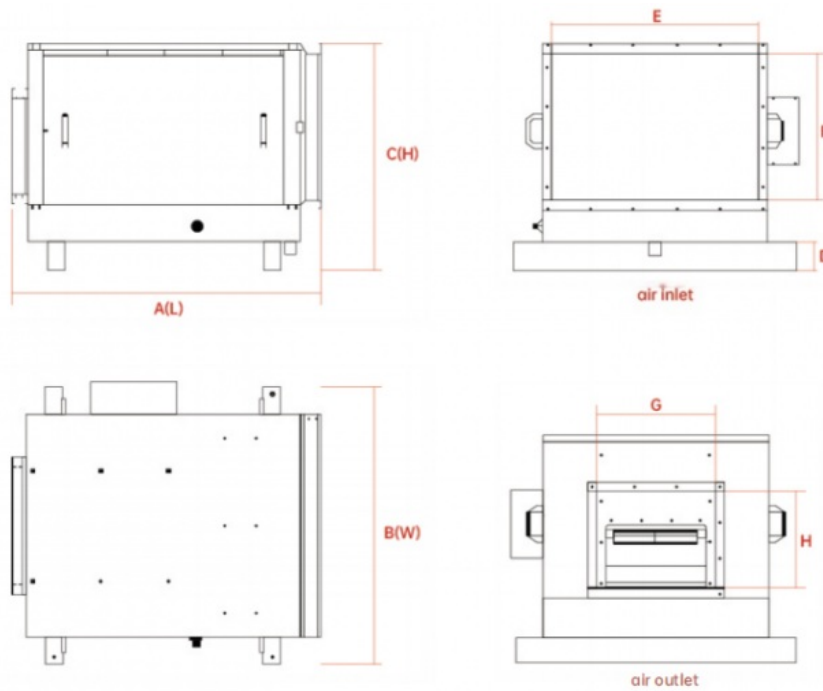
Moisture Critical Operations

- *Pharma Lyophilization*: Sustains 45±0.5% RH during vial capping
- *Smart Textile Production*: Eliminates 8kV static via ion-balanced airflow

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.

Company Overview

Guangdong Zhongdian Jiajin Environmental Technology Co., Ltd., formerly known as Foshan Nanhai Zhongxing Hardware Electrical Appliance Factory (with brands including Zhongdian Fresh Air and Zhongdian Xinke), 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. As a modern national high-tech enterprise, we focus on EC frequency conversion digital energy-saving fans, with our manufacturing base located in Foshan, Guangdong Province.

Quality and Development

Since our establishment in 1997, we have remained committed to a quality-centric approach and actively developed our proprietary brand, Zhongdian. Our dedication to excellence has led us to pass ISO9001, CE, and national CCC mandatory product certifications, and we have obtained multiple utility model patents. Our comprehensive strength and brand influence rank among the top in the industry.

Core Philosophy

At Guangdong Zhongdian Jiajin Environmental Technology Co., Ltd., we operate under the philosophy of "Technological Innovation, Respect for Talent, Reform and Innovation, Pursuit of Excellence." We have introduced over ten advanced automation devices and possess 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. Our emphasis on user experience and continuous customer satisfaction has made us a leader in the fresh air system market.

Commitment to Quality

We adhere to the principle of "Quality First, Quantity Second," earning trust from users across the country with our excellent quality and outstanding performance. We strive to enhance competitive advantages in pre-sales, sales, and after-sales services, and continue to uphold the creed of "Customer First, Service Excellence."

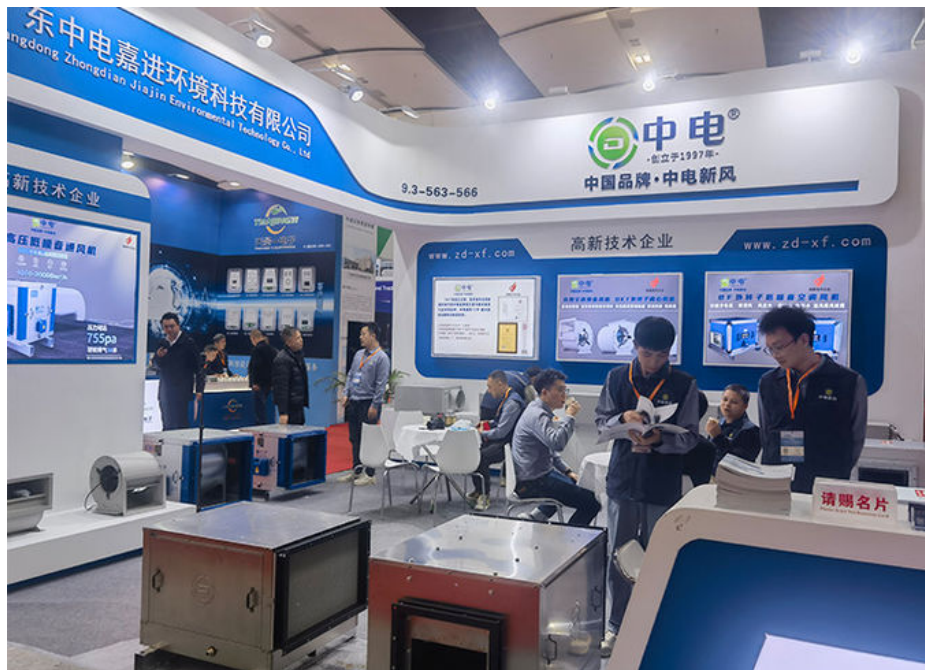
Future Vision

Our dedication to continuous product and service iteration aims to establish us as a leading brand in high-end fresh air system equipment. We are committed to providing innovative solutions that meet the evolving needs of our customers while maintaining the highest standards of quality and service.



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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