

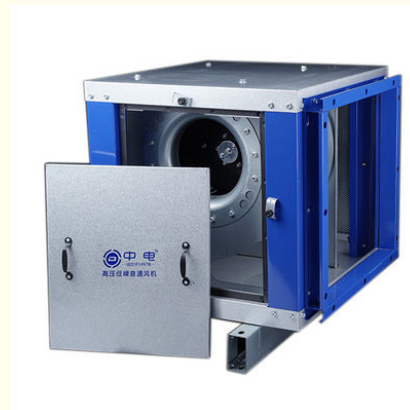
## Compact Design for Easy Installation and High Ventilation Efficiency with Cabinet Centrifugal Fan

Our Product Introduction

for more products please visit us on [zd-fan.com](http://zd-fan.com)

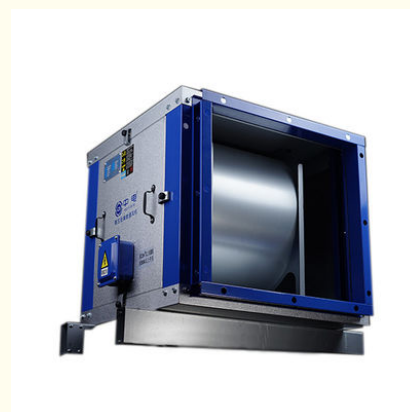
### Basic Information

- Place of Origin: China Foshan
- Brand Name: Available for ODM
- Certification: CE
- Model Number: DT32-100
- 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

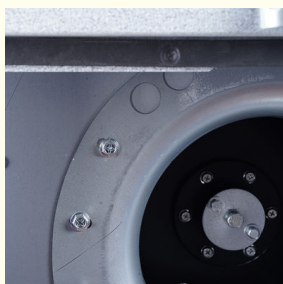


### Product Specification

- Application: Hotel, Garage, RV, Commercial, Household
- Type: Ventilation Fan
- Material: Stainless Steel
- Warranty: 1 Year
- Place Of Origin: China Foshan
- Model Number: DT32-100
- Voltage (V): 220V/380V
- Product Name: Low Noise Cabinet Fan
- Function: Airflow Circulation
- Feature: Ventilation And Kitchen Oil Smoke
- Highlight: compact cabinet centrifugal fan, compact exhaust centrifugal fan, cabinet exhaust centrifugal fan



### More Images



## Product Description

### Product Application & Technical Specifications

#### 1. Air Circulation System - Cabinet-Type Low-Noise Centrifugal Unit

##### Applications

Industrial Ventilation: Efficiently eliminates hazardous airborne particles, thermal buildup, and chemical vapors from production areas, ensuring OSHA-compliant workspaces.

Commercial Climate Control: Maintains optimal indoor air quality (IAQ) in hospitality venues and retail complexes through continuous air renewal systems.

Residential Solutions: Provides moisture control and pollutant removal for subterranean spaces (cellars, parking structures) via duct-integrated installations.

##### Core Advantages

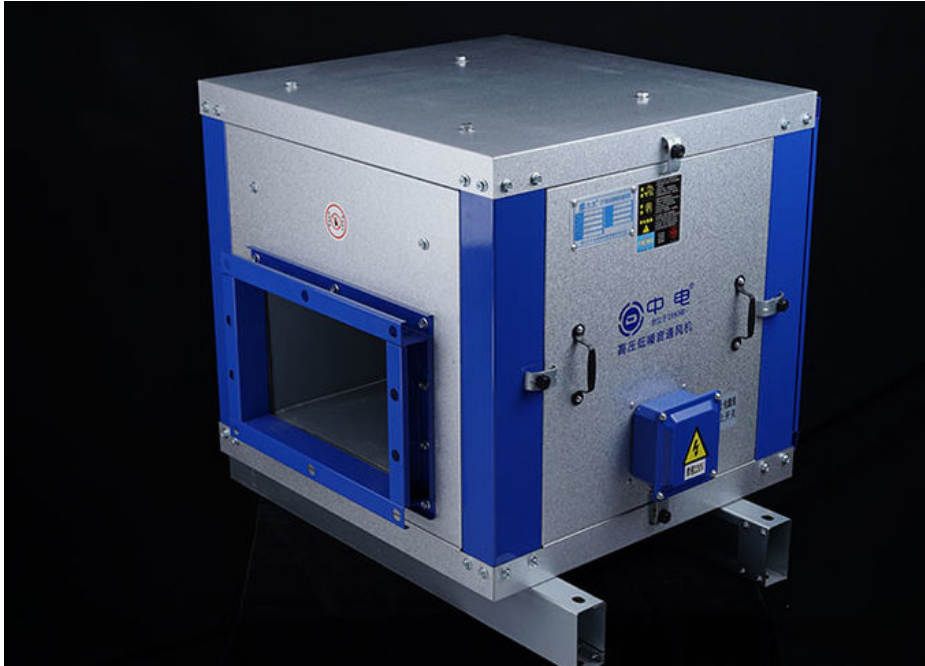
Acoustic Optimization:  $\leq 55$  dB(A) operational noise level minimizes workplace auditory interference.

Space-Adaptive Architecture: Streamlined cabinet dimensions (standard 600×600×800mm) enable wall-mounted or ceiling-embedded configurations.

Dynamic Airflow Management: Achieves 1500-4500 m<sup>3</sup>/h adjustable airflow with 80% static pressure efficiency.

Maintenance Economy: Sealed bearing units and corrosion-resistant housing extend service intervals to 20,000+ hours.

IP54 Protection: Multi-stage filtration prevents particulate ingress ( $>0.5\mu\text{m}$  filtration efficiency).



#### 2. Drive Unit - Synchronous Sealed Metal Motor

##### Performance Highlights

Hermetic Engineering: Triple-labyrinth seal structure with NEMA 4X certification resists particulate/dust penetration (tested under IEC 60034-5).

Energy-Smart Operation: 0.92 power factor and IE4 efficiency class reduce kWh consumption by 18-22% versus asynchronous counterparts.

Precision Motion Control:  $\pm 0.5\%$  speed consistency through closed-loop feedback system (RS485/Modbus protocol compatible).

Rugged Construction: Die-cast aluminum enclosure (8mm wall thickness) withstands 7G vibration loads per ISO 10816-3.

SilentDrive™ Technology: Integrated anti-resonance mounts achieve  $<65$  dB operational acoustics.

##### Industrial Implementation

Medical HVAC Systems: Powers laminar flow units in OR ventilation with 99.97% uptime reliability.

Manufacturing Automation: Synchronizes with PLC-controlled production line exhaust networks.



### 3. Air Movement Core - Multi-Blade High-Pressure Impeller

#### *Aerodynamic Features*

**Pressure Enhancement:** Generates 800-1200 Pa static pressure through 32° backward-curved airfoil blades.

**Volumetric Efficiency:** Delivers 15% increased CFM output versus conventional radial designs (AMCA 210 verified).

**Energy Recovery Design:** Vortex-reduction hub geometry improves system COP by 12-15%.

#### *Mechanical Configuration*

**Space-Optimized Profile:** 300-800mm diameter options with 3:1 aspect ratio for ductwork compatibility.

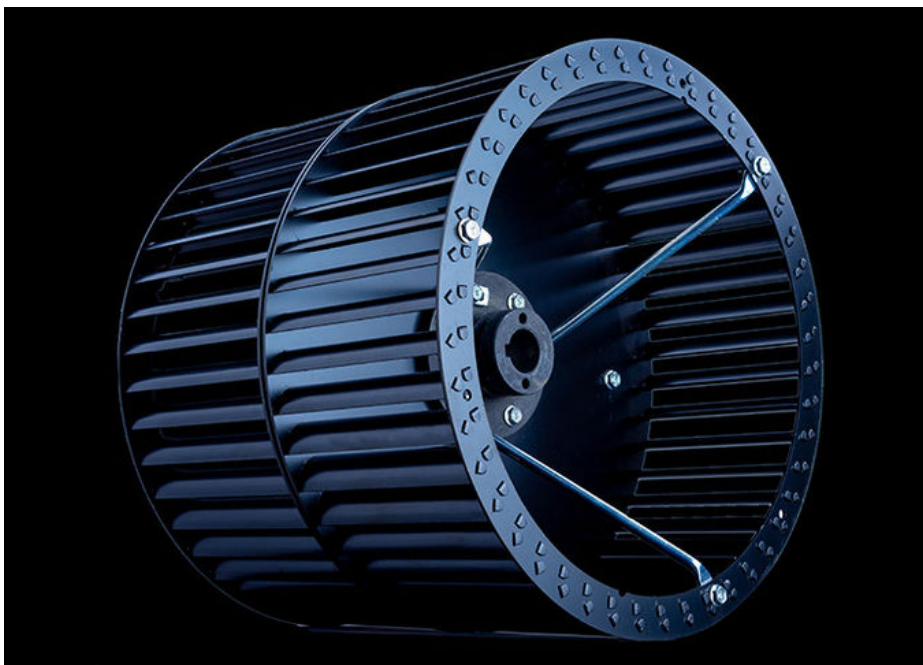
**Dynamic Balancing:** ISO 1940 G2.5 balance grade reduces axial vibration to <2.5 mm/s RMS.

**Maintenance Accessibility:** Snap-fit blade assembly allows tool-free disassembly for CIP cleaning.

#### *Material Science*

**Aerospace-Grade Aluminum:** 6061-T6 alloy construction with HVOF coating resists erosion (tested to 25 m/s particulate flow).

**Fatigue Resistance:** Finite element-optimized stress distribution ensures 100,000+ cycle durability.



## Product Parameters

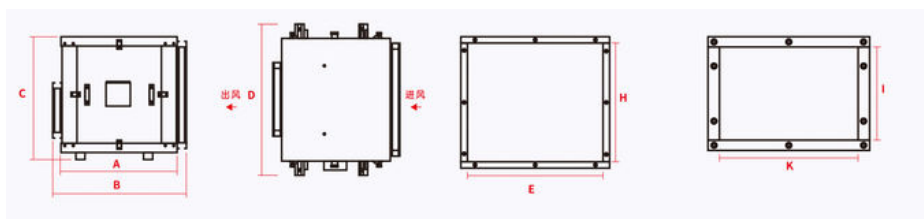
**Wide Applicability:** Suitable for industrial ventilation, HVAC systems, air purification, and other fields, meeting diverse industry needs.

**Strong Customizability:** Can be customized according to specific application requirements, such as different sizes, materials, and blade numbers, to achieve optimal performance.

**Enhanced System Performance:** Works well with other components to improve the overall performance of ventilation or air treatment systems, increasing system efficiency and reliability.

Model Numb	Voltage	Ffrequency	Rotating speed	Air volume	Total Pressure	Sound Level	Power	Weight
	(V)	(Hz)	(r/min)	(m2/h)	(Pa)	(dB)	(W)	(kg)
DT11-36	220/380	50	1450	3600	562	57	1.1	49
DT13-48	220/380	50	1450	4800	623	63	1.5	58
DT18-61	220/380	50	1450	6100	673	68	2.2	70
DT25-81	220/380	50	1450	8100	781	69	3	79
DT32-100	220/380	50	1450	10000	810	75	3.8	84
DT42-120	380	50	1450	12000	830	78	5	100
DT48-150	380	50	1450	15000	860	78	5.5	101
DT55-200	380	50	1450	20000	870	79	6	122

## Product Dimension Diagram



## Product Dimension Parameters

Model Numb	A	B(Lengt h)	C(Heigh t)	D(Width)	Air Inlet (Internal Diameter)		Air Outlet (Internal Diameter)		Flange Thickness
					E(Lengt h)	H(Heigh t)	I(Height )	K(Length )	
DT11-36	560	660	613	750	467	428	250	305	30x30
DT13-48	570	668	650	780	497	460	210	335	30x30
DT18-61	620	718	705	860	580	515	235	355	30x30
DT25-81	650	748	740	910	630	550	250	380	30x30
DT32-100	650	748	740	910	630	550	250	380	30x30
DT42-120	725	823	815	962	679	625	280	355	30x30
DT48-150	750	848	815	1000	717	625	380	405	30x30
DT55-200	780	879	840	1030	747	650	380	415	30x30

## 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.

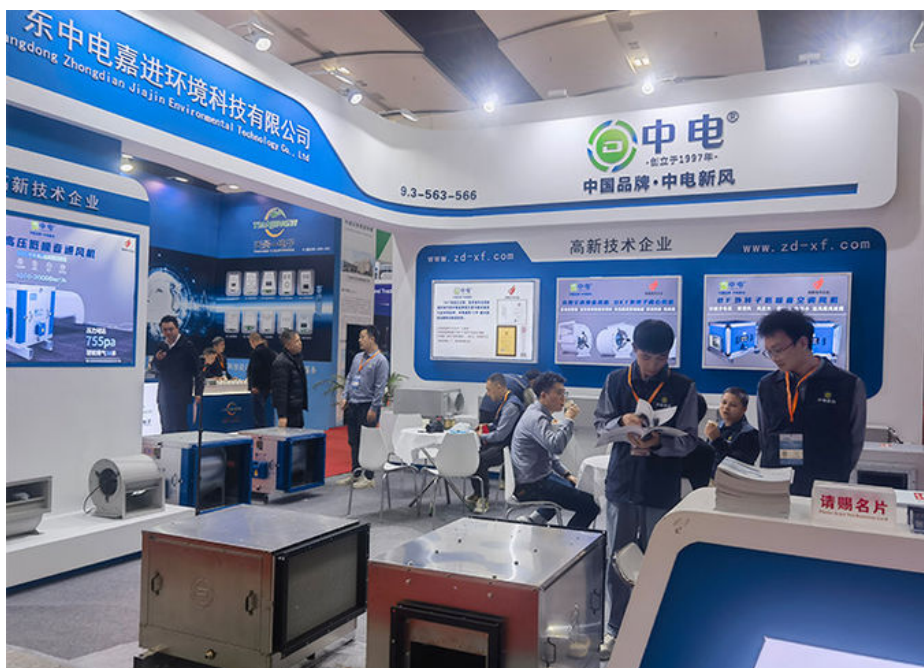
The company adheres to the principle of "Quality First, Quantity Second," earning trust from users across the country with its excellent quality and outstanding performance. It strives to enhance competitive advantages in pre-sales, sales, and after-sales services, and continues to uphold the creed of "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.

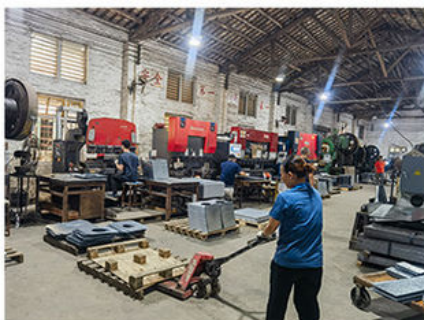


## The team


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



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