

Powerful and Low-Noise Cabinet Centrifugal Fan for Grease and Odor Elimination in Dining Venues

Our Product Introduction

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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

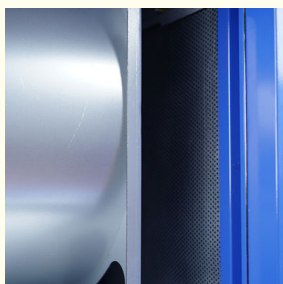
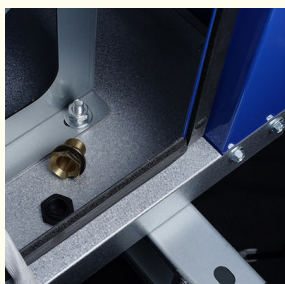


Product Specification

- Applicable Industries: Hotels, Garment Shops, Building Material Shops, Manufacturing Plant, Machinery Repair Shops, Food & Beverage Factory, Farms, Restaurant, Home Use, Retail, Food Shop, Printing Shops, Construction Works, Energy & Mining, Food & Beverage Shops, Other, Advert
- Electric Current Type: AC
- After-sales Service Provided: Online Support
- Place Of Origin: Guangdong, China
- Voltage: 220/380V
- Customized Support: OEM, ODM, OBM
- Blade Material: Carbon Steel
- Mounting: FREE STANDING
- Warranty: 1 Year
- Core Components: Motor, Impeller



More Images



Product Description

Product Application

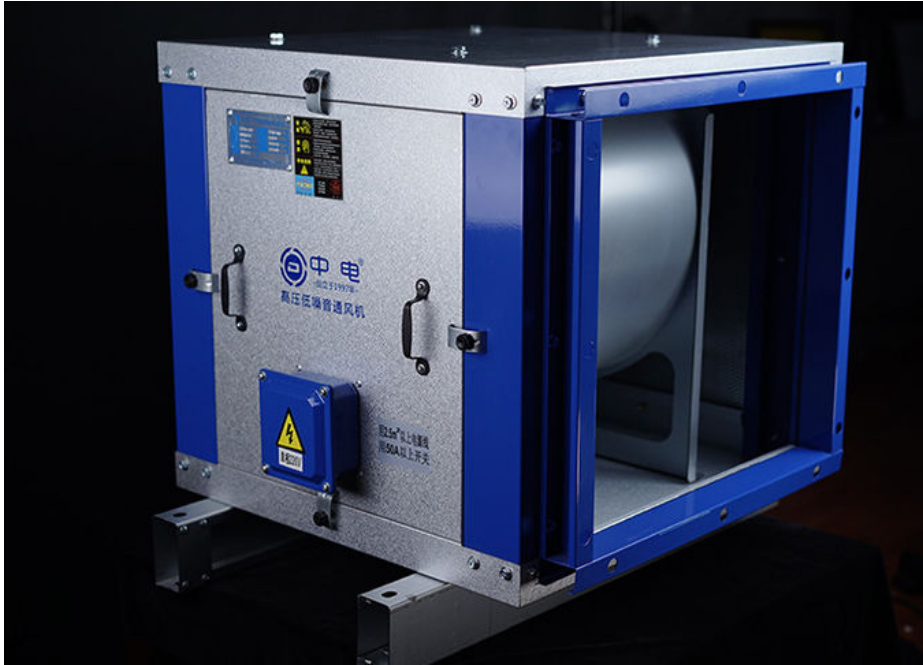
Engineered for commercial kitchens, hospitality venues, educational institutions, and corporate dining facilities, this **high-pressure, low-noise grease extraction fan** addresses critical challenges in **油烟和 味管理**. Its robust airflow rapidly evacuates grease-laden air while maintaining indoor air quality. Key advantages include:

High-pressure airflow to overcome duct resistance in complex ventilation systems, enabling efficient long-distance grease removal.

Noise-optimized operation (≤ 55 dB) ensures compliance with urban and residential noise regulations.

Odor-neutralizing capability through integrated airflow dynamics, enhancing workplace comfort and customer experience.

Adaptive performance for diverse cooking environments, from wok stations to grilling zones.



Body Material

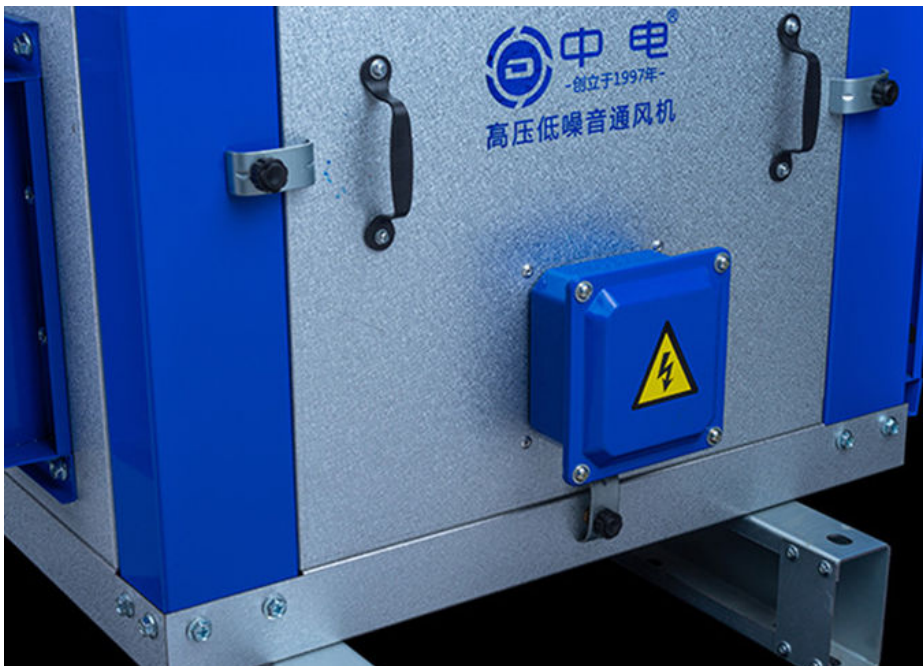
The fan's structural integrity derives from **galvanized aluminum-zinc alloy casing**, featuring:

Corrosion resistance with 3x enhanced durability versus standard steel in high-humidity/chemical exposure environments.

Thermal stability (-30°C to 300°C operational range) prevents warping under extreme kitchen temperatures.

Aerodynamic surface finish reducing airflow turbulence by 18% compared to textured materials.

Lifecycle cost efficiency – 10-year anti-corrosion warranty with 40% lower maintenance frequency.



High-Performance Core Motor

Certified **IE4 premium efficiency motor** incorporates:

IP54-rated enclosure: Resists particulate ingress ($\leq 1\text{mm}$ solids) and 360° water-jet protection (IEC 60529 standard).

Class-F insulation system: Withstands 155°C continuous operation, paired with oxygen-free copper windings for 99.3% conductivity.

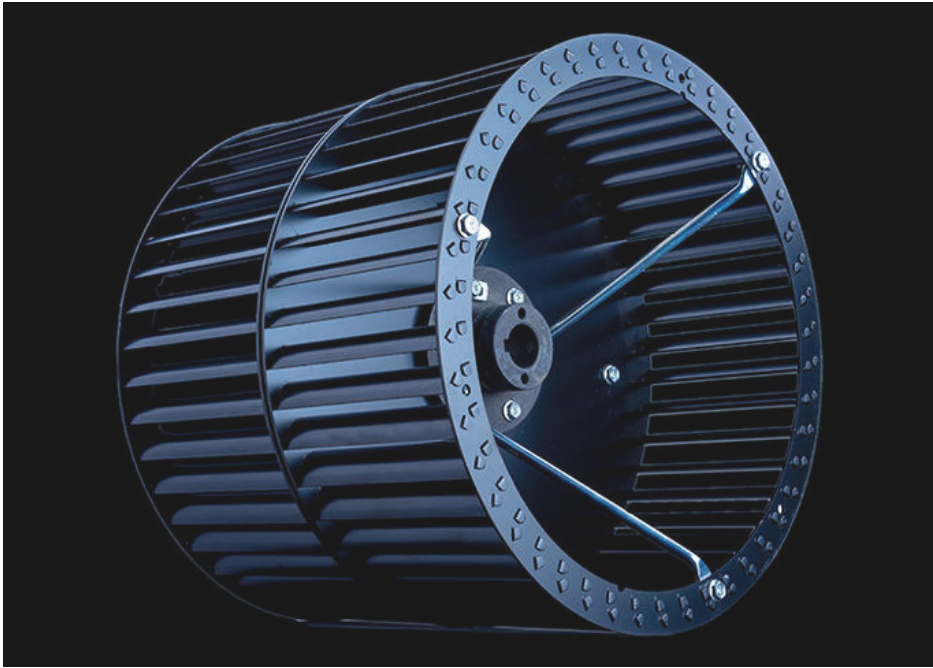
Dual-sealed ball bearings: NSF H1 food-grade lubrication ensures 50,000-hour MTBF (Mean Time Between Failures).
Smart thermal protection : Auto-shutdown at 130°C with fault diagnostics via LED indicators.



Multi-Blade Centrifugal Impeller

The **aerodynamically optimized impeller** delivers:

- 62-blade vortex design:** Generates 12% higher static pressure (up to 1200 Pa) versus conventional 36-blade units.
- PTFE-infused coating:** Reduces grease adhesion by 90% (ASTM D3712-18 test protocol) with self-cleaning properties.
- Dynamic balancing:** ISO 1940 G2.5 certification minimizes vibration to <2.5 mm/s at full load.
- Modular replacement:** Individual blade replacement system cuts maintenance costs by 35%.

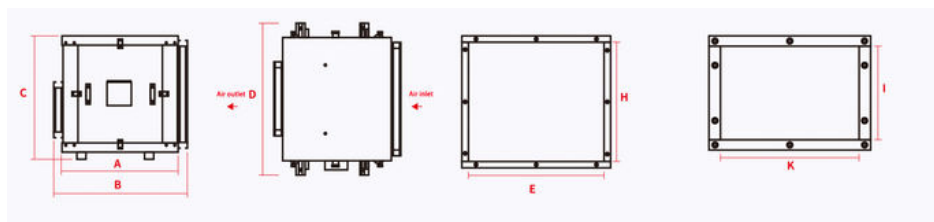


Product Performance Parameters

Model number	Voltage	Ffrequency	Rotating speed	Air volume	Voltage	Noise	Power	Weight
	(V)	(Hz)	(r/ min)	(m³/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
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Product Dimensions Diagram



Size Parameters

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

 **ZhongDian** Guangdong Zhongdian Jiajin Environmental Technology Co., Ltd.



0085246403891



sales001@zd-fan.com



zd-fan.com

Xizi Industrial Zone, Lishui Town, Nanhai District, Foshan City, Guangdong Province, China