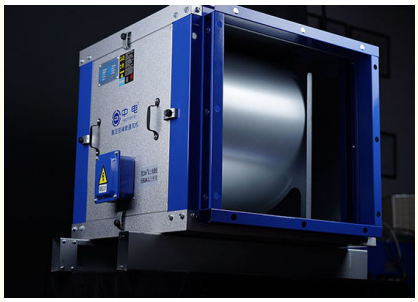
Ventilation Exhaust Inline Cabinet Centrifugal Fan Metal Box for Restaurant

Our Product Introduction

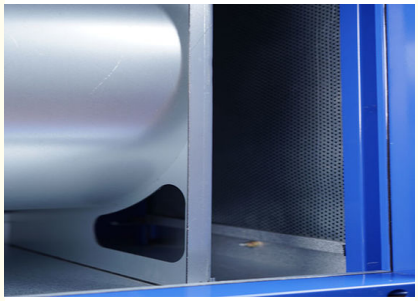
Basic Information

- Place of Origin: China Foshan
- Brand Name: Available for ODM
- Certification: CE
- Model Number: DT55-200
- 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

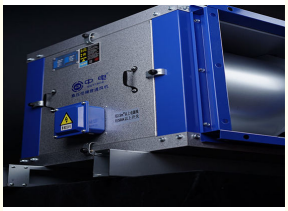


Product Specification

- Applicable Industries: Restaurant, Home Use, Other, Hospital, Laboratory, Graduate School, Beauty Salon, Office
- Electric Current Type: AC
- After-sales Service Provided: Online Support
- Place Of Origin: China Foshan
- Voltage: 380V/50Hz
- Customized Support: OEM, ODM
- Warranty: 1 Year
- Core Components: Motor
- Mounting: Duct Fan
- Highlight: **Exhaust Inline Cabinet Centrifugal Fan**, **Restaurant Cabinet Centrifugal Fan**, **Cabinet centrifugal inline fan**



More Images



Our Product Introduction

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

Product Description

Product Use

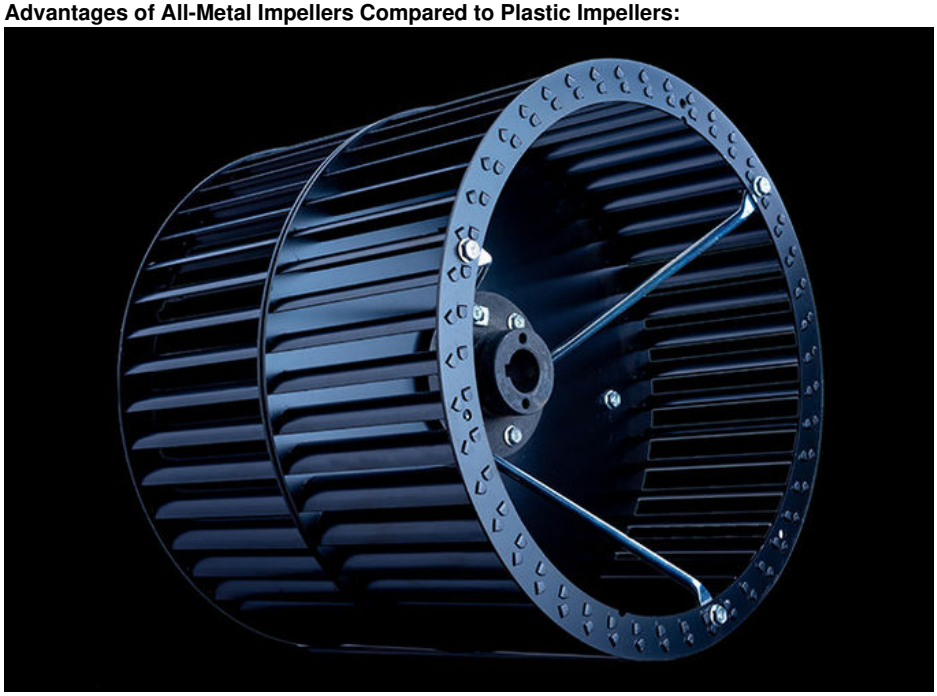
Applications:
Industrial Sector: Used for ventilation in factory workshops to expel harmful gases, dust, and odors, creating a better working environment for employees.
Chemical and Pharmaceutical Industries: Provides stable airflow to ensure smooth chemical reactions and maintain product quality.
Electronics and Semiconductor Manufacturing: Utilized for air purification in clean rooms to prevent dust and other contaminants from damaging sensitive electronic products.
Building Ventilation Systems: Facilitates air circulation and regulation within buildings, improving indoor air quality.
Mining and Metallurgical Industries: Employed for ventilation and smoke extraction to ensure operational safety.

Product Motor

Advantages of High Static Pressure Copper-Wire Motors:
1. Outstanding Performance
High static pressure means the motor can generate significant air pressure, allowing it to overcome substantial resistance in complex ventilation systems and achieve long-distance air supply or exhaust. Whether in large commercial buildings, industrial facilities, or high-rise structures, it ensures effective air circulation. Copper-wire motors, with their excellent electrical conductivity, reduce resistance loss and enhance motor efficiency. Compared to motors made of other materials, copper-wire motors can deliver greater torque at the same power level, providing stronger 力 for the ventilation system.
2. Stable and Reliable
The manufacturing process for copper-wire motors is well-established, ensuring consistent quality. The high static pressure design allows the motor to handle substantial loads during operation with fewer failures. Additionally, copper's excellent heat resistance and oxidation resistance guarantee stable performance over long periods, reducing downtime caused by motor failures and enhancing system reliability.
3. Energy-Efficient
Copper wire's low resistance results in relatively low energy loss during motor operation. The high static pressure design enables the motor to achieve high airflow and pressure at lower speeds, thereby reducing energy consumption. This results in significant savings on electricity costs over time. Moreover, the efficient motor reduces environmental impact, aligning with energy-saving and emission-reduction goals.
4. Low Noise
High static pressure copper-wire motors typically incorporate advanced noise reduction technologies, such as optimized motor structures and soundproof materials. Consequently, the noise produced during operation is relatively low, minimizing disruption to the surrounding environment. This is especially important in quiet environments like hospitals, schools, and libraries.
5. Long Service Life
Copper-wire motors are highly durable with a long service life. The high static pressure design allows them to withstand various challenging working environments without damage. Additionally, their excellent heat dissipation extends the motor's lifespan. Compared to other types of motors, copper-wire motors have lower maintenance costs, alleviating concerns for users.

Product Impeller

Advantages of All-Metal Impellers Compared to Plastic Impellers:



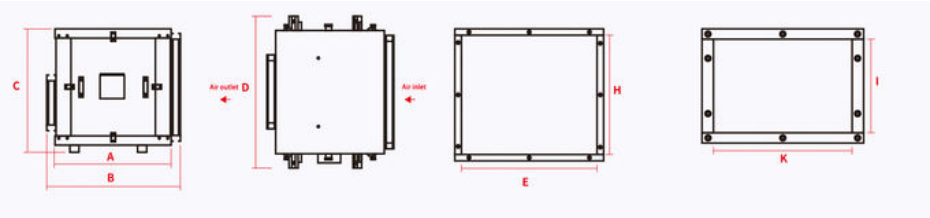
Product Specifications

High Strength: Metal impellers typically offer higher strength, allowing them to withstand greater stress and loads. They are well-suited for high-load and high-speed applications, and are less likely to deform or suffer damage, ensuring stable operation of the equipment.
Excellent Wear Resistance: Metal materials generally have superior wear resistance, making them more durable against abrasion and friction. This results in a longer service life for all-metal impellers, reducing the frequency of replacements and lowering both operational costs and maintenance efforts.
Strong High-Temperature Tolerance: Metal materials maintain stable performance in high-temperature environments and are less prone to deformation or failure. They are suitable for applications requiring high-temperature conditions, such as high-temperature ventilation systems and heaters.
Good Dynamic Balancing: The density of metal impellers is relatively uniform, allowing for high-precision machining and balancing. This results in excellent dynamic balancing performance, minimizing vibration and noise during operation and enhancing the smoothness and comfort of the equipment.

Model Numb	Voltage	Ffrequency	Rotating speed	Alr 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 Dimensions Diagram



Product Dimensions and Specifications

Model Numb	A	B(Length)	C(Height)	D(Width)	Air Inlet (Internal Diameter)		Air Outlet (Internal Diameter)		Flange Thickness
					E(Length)	H(Height)	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

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