

Residential Radial Double Inlet Centrifugal Fans External Rotor Motor Lightweight

Our Product Introduction

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Basic Information

- Place of Origin: China Foshan
- Brand Name: Available for ODM
- Certification: CE
- Model Number: DKT-2.8A-F
- 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: Building Material Shops, Machinery Repair Shops, Restaurant, Retail, Food & Beverage Shops, Other
- Electric Current Type: AC
- After-sales Service Provided: Video Technical Support
- Place Of Origin: Guangdong, China
- Voltage: 380V
- Customized Support: OEM, ODM, OBM
- Mounting: FREE STANDING
- Warranty: 1 Year
- Core Components: Motor, Bearing, Impeller, Flange, Shaft
- Certification: CE
- Color: Black
- Highlight: **residential Double Inlet Centrifugal Fans, lightweight Double Inlet Centrifugal Fans, Double Inlet radial centrifugal blower**



More Images



Product Description

Product Applications

The air conditioning fan is primarily used in various air conditioning units, air curtains, and heating/cooling fans. It can also be applied for ventilation and air exchange in industrial enterprises and residential buildings.

The double-inlet centrifugal fan consists of key components such as the impeller, volute, and motor. The impeller is constructed with forward-curved blades, a wheel cover, and a central plate, all riveted together. Each component is manufactured using stamping molds, ensuring precise dimensions and reliable aerodynamic performance. The fan undergoes both dynamic and static balancing corrections for smooth operation and low noise levels. The volute is coated using specialized equipment, making it sturdy, durable, and visually appealing. The motor is of the external rotor type, housed within the volute, and directly coupled with the impeller. This design is compact, ensuring smooth rotation and low noise.



Metal Housing Exterior

Appearance and Weight: The overall design of the housing is aesthetically pleasing and sophisticated. The fan's axial length is significantly reduced, resulting in a compact structure that saves installation space and offers greater flexibility. The optimized product design results in a smaller volume and lighter weight.



High-quality motor

This external rotor ball bearing pure copper motor offers exceptional waterproof performance with an IP54 rating. This means it effectively resists dust ingress and splash water from all directions, ensuring stable operation in complex work environments. The motor's pure copper construction provides excellent conductivity and heat dissipation, ensuring efficient energy conversion and cooling. The external rotor design makes the motor more compact and enhances power output. The ball

bearings ensure stability and low noise during high-speed operation. Whether used in industrial production, machinery, or other fields, this motor delivers high-quality power solutions with its professional quality and reliable performance.



Metal Impeller

Utilizing advanced automation technology, every processing stage is precisely executed. The metal material is rigorously selected for high strength and excellent durability. Precision automated equipment handles cutting and forming, ensuring high dimensional accuracy of the impeller. The subsequent metal coating process enhances wear and corrosion resistance. On the automated production line, quality inspection systems continuously monitor to ensure stable and reliable product quality.

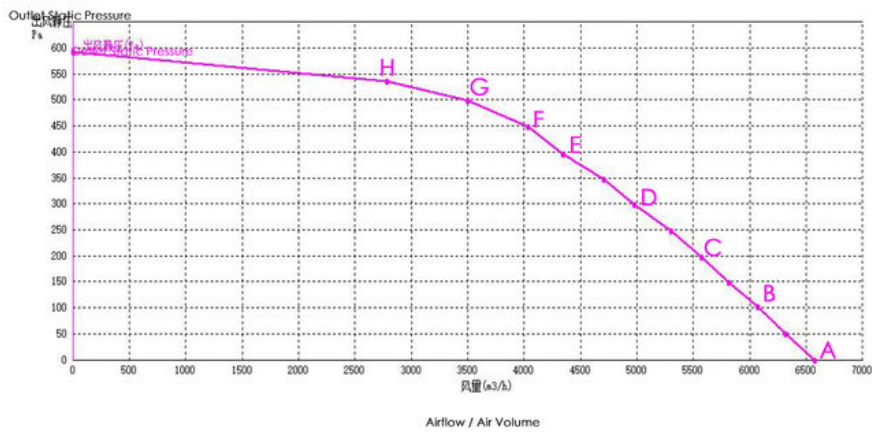


Product Performance Parameters

| | | | | | | | | | | |
|------------------------------|------------------------|-------|------------|---------|---------------|---------|---------|-----------------|---------|---------|
| Model | | | DKT-2.8B-F | | Fan Type | | | Centrifugal Fan | | |
| Rated Voltage | | | 380V | | Frequency | | | 50Hz | | |
| Rated Power | | | 1.5KW | | Noise Level | | | | | |
| RPM (Revolutions Per Minute) | | | 1400r/min | | Rated Current | | | 3.83a | | |
| no | item | units | A | B | C | D | E | F | G | H |
| 1 | Outlet Static Pressure | Pa | 0.000 | 102.000 | 198.000 | 297.813 | 395.625 | 448.313 | 498.375 | 535.625 |
| 2 | Dynamic Pressure | pa | 627.000 | 533.313 | 450.375 | 359.625 | 274.250 | 527.125 | 396.063 | 479.500 |
| 3 | Total Pressure | pa | 492.111 | 418.249 | 352.873 | 281.399 | 214.239 | 184.929 | 138.709 | 87.804 |

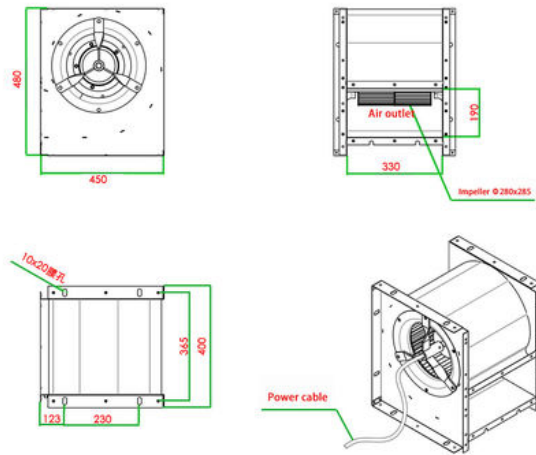
| | | | | | | | | | | |
|---|--------------------|-------------------|---------|---------|---------|---------|---------|---------|---------|---------|
| 4 | Airflow/Air Volume | m ³ /h | 492.111 | 520.249 | 550.873 | 579.212 | 609.864 | 633.241 | 637.084 | 623.429 |
|---|--------------------|-------------------|---------|---------|---------|---------|---------|---------|---------|---------|

Curve chart



Dimension drawing

Unit: mm



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