

## Enhanced Toilet Ventilation With Plastic Mixed-Flow Inline Duct Fans For Efficient Extraction And Exhaust

### 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: DJT15-54
- 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

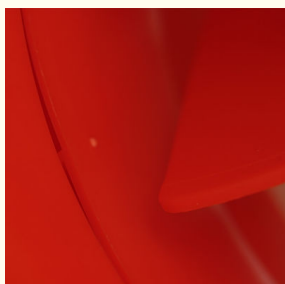


#### Product Specification

- 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: Mixed Flow
- Mounting: Duct Fan
- After-sales Service Provided: Video Technical Support
- Place Of Origin: China Foshan
- Customized Support: OEM, ODM
- Blade Material: Plastic
- Model Number: DJT15-54
- Voltage: 220V
- Warranty: 1 Year



#### More Images



# Product Applications Description



## Core Advantages of Axial Flow Ventilation Ducts

### Energy-Optimized Air Exchange

Utilizing axial flow dynamics, these ducts generate high-velocity airflow for rapid replacement of contaminated indoor air with fresh external air. Suitable for residential, commercial, and industrial applications, their precision-engineered design ensures maximum air renewal efficiency with up to 30% reduced energy expenditure compared to conventional systems.

### Adaptable Spatial Integration

Featuring a modular circular structure, the ducts support seamless integration into diverse architectural layouts. Installation flexibility spans horizontal, vertical, and diagonal orientations within existing duct networks, complemented by tool-free assembly mechanisms for swift deployment and maintenance access.

### Silent Operational Reliability

Engineered with vibration-dampening composite materials and aerodynamically balanced impellers, the system operates below 45 dB(A) across all speed settings. This ultra-quiet performance eliminates workplace distractions while maintaining 24/7 operational stability.

### Eco-Compliant Sustainability

Achieves ISO 14000 environmental standards through zero-emission operation and recyclable aluminum-polymer construction. The integrated smart power management system further reduces carbon footprint by dynamically adjusting airflow to real-time occupancy metrics.

## Innovations in Axial Flow Fan Technology

### Precision Airflow Engineering

Proprietary blade geometry enables customizable airflow profiles (150–3,000 CFM) with adaptive pressure compensation, ensuring consistent ventilation efficiency even in complex duct architectures. IoT-enabled models allow remote airflow modulation via building management systems.

### Multi-Scenario Deployment Capability

**Space-optimized configurations:** Sub-30cm profile supports concealed installation in false ceilings, partition walls, or mechanical shafts.

**Hybrid mounting solutions:** Choose from suspended ceiling brackets, wall-mounted frames, or direct duct-embedded setups without auxiliary supports.

**Universal connectivity:** Standardized ISO flange interfaces (100–600mm diameters) with optional quick-clamp adapters for PVC, galvanized steel, or flexible ducting.

## Installation Excellence Framework

### Ergonomic Structural Logic

Monobloc housing unifies motor, impeller, and control modules into a single maintenance-friendly unit.

Pre-calibrated components enable plug-and-play functionality, reducing commissioning time by 70%.

### Intelligent Operational Features

Auto-diagnostic sensors detect duct pressure anomalies and self-correct fan RPM.

Corrosion-resistant IP55 rating ensures reliable performance in high-humidity or particulate-heavy environments.

### Lifecycle Cost Efficiency

Brushless DC motors provide 50,000+ hour service life with <1% annual efficiency degradation.

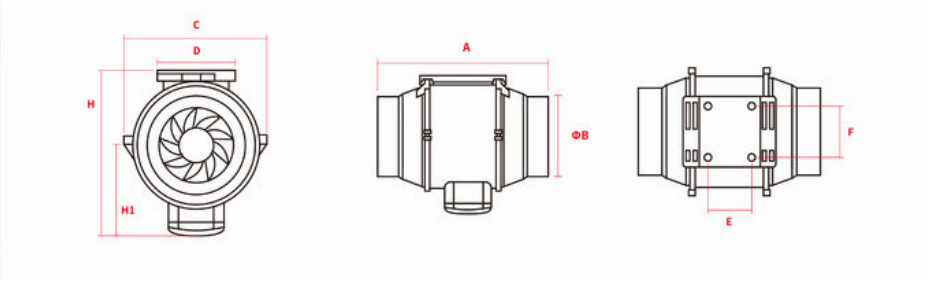
Removable washable filters extend component longevity while minimizing maintenance downtime.

## Product Specifications

Model number	Power	Airflow	Static Pressure	Noise Level	Duct Diameter	Quantity per Carton	Net Weight
	(W)	(m5/h)	(Pa)	(dB)	(mm)	(Unit Box)	(kg)
DJT10-20	30/26	200/170	183/130	30/25	100	6	1.8
DJT15-54	48/40	540/384	330/280	40/35	150	6	2.2
DJT20-90	76/60	900/820	380/310	50/45	200	6	2.7

DJT25-170	173/152	1700/1200	550/480	56/50	250	1	18
DJT31-230	350/260	2300/1900	650/500	60/55	315	1	20



Product Dimensions Diagram



Product Dimensions Specifications

Model number	A	B(Φ)	C	D	E	F	H	H1
dJT10-20	300	100	100	214	62	60	182	95
DJT15-54	293	150	120	237	72	70	211	110
DJT20-90	304	200	140	258	78	85	235	124
DJT25-170	367	250	317	208	120	95	365	196
DJT31-230	450	315	360	255	120	95	410	215

 **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