

Unparalleled Efficiency and Rugged Build Our Inline Duct Fans Ensure Optimal Indoor Air in Large Spaces

Our Product Introduction

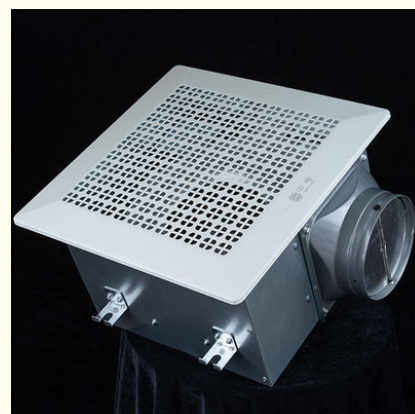
Basic Information

- Place of Origin: China Foshan
- Brand Name: Available for ODM
- Certification: CE
- Model Number: BPT10-12
- 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

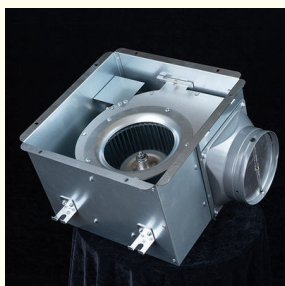


Product Specification

- Function: Ceiling Air Flow Ventilator System
- Mounting: Ceiling
- Voltage: 220V
- Power: 24-100W
- Air Volume: 120-600 M³/h
- Core Components: Motor, Engine
- Noise: 32-58 DB
- Static Pressure(Pa): 80-220 Pa
- Motor: 100% Copper Coil
- Duct Size: 100 Mm / 150 Mm
- Applications: Hotel / School / Residence / Office / Bathroom
- Highlight: 220v inline duct fans, 220v inline extractor fan



More Images



Product Description

Revolutionary Air Exchange System

Elevate your commercial and industrial ventilation standards with our ceiling-integrated positive pressure exhaust solution, engineered for large-scale atmospheric optimization. Combining industrial-grade durability with aerospace-derived blade design, this system achieves rapid evacuation of contaminated air while maintaining pressurized fresh air infusion—critical for ISO-certified cleanrooms, pharmaceutical facilities, and high-traffic public venues. Its multi-stage centrifugal architecture delivers 35% faster air replacement than conventional models, ensuring compliance with OSHA 29 CFR 1910.94 air quality mandates.

Competitive Advantages

1. Fire-Resistant Infrastructure

Material Innovation: Fire-retardant aluminum alloy housing (melting point: 660°C) with intumescent coating passes ASTM E84 Class A flame spread rating

Safety Compliance: Integrated thermal cutoff switches activate at 150°C±5%, exceeding NFPA 96 commercial kitchen ventilation standards

2. Precision Pressure Engineering

Operates at 150-450 Pa static pressure through CFD-optimized volute geometry
Triple-phase impeller balancing reduces turbulence losses by 18%

3. Industrial-Grade Drive System

Japanese NMB® stainless steel bearings (L10 lifespan: 80,000 hrs)

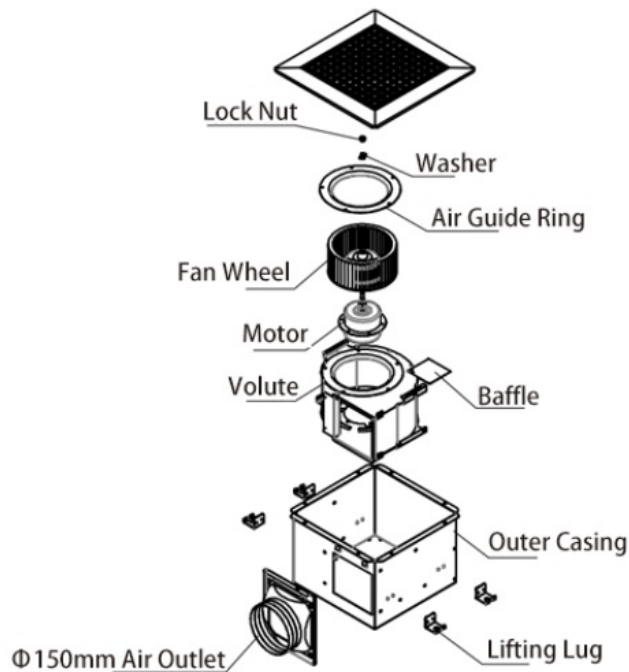
IoT-enabled motors with predictive maintenance alerts via 4-20mA signal output

4. Acoustic Performance

Frequency-tuned resonance dampers (25-40 dB(A) @ 1m)

Hexagonal honeycomb inlet diffusers disrupt harmonic vibrations

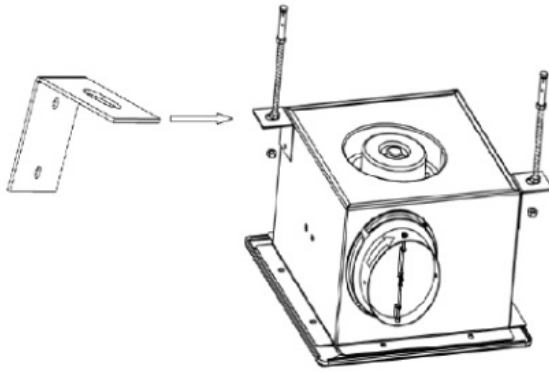
General assembly Drawing



Installation Protocol

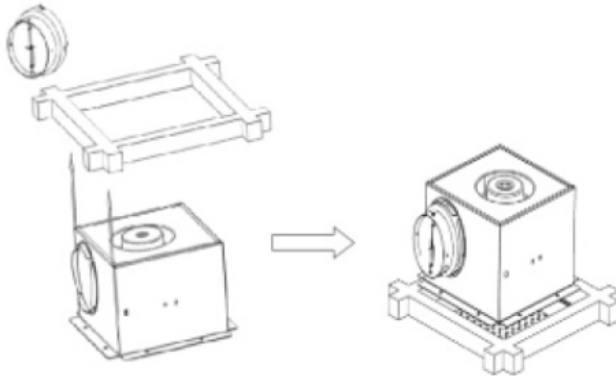
Stage 1: Structural Preparation

Construct galvanized steel support grid using M10 anchor bolts (torque: 45 N·m) spaced ≤600mm apart



Stage 2: Core Unit Mounting

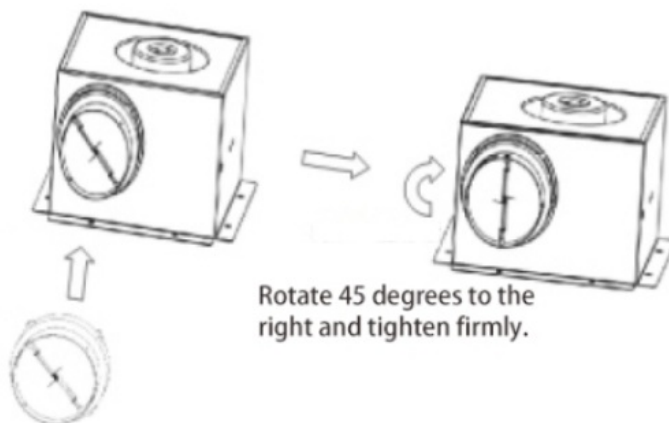
Install vibration-isolated plenum chamber with 10mm neoprene gaskets at all contact points



Stage 3: Duct Integration

Align directional coupler per laser-etched airflow indicators (←EXHAUST | FRESH→)

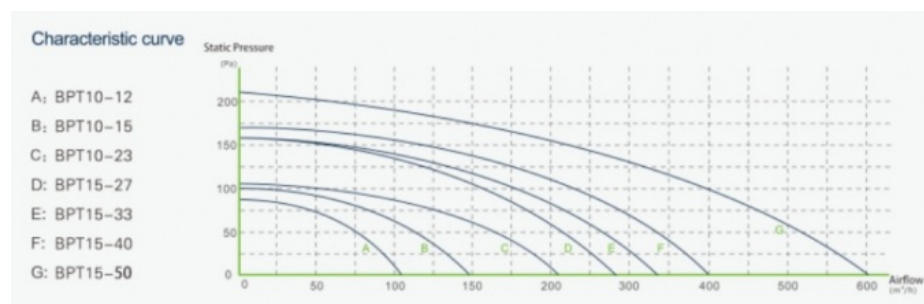
Engage quarter-turn camlock mechanism until torque limiter clicks (18 N-m threshold)



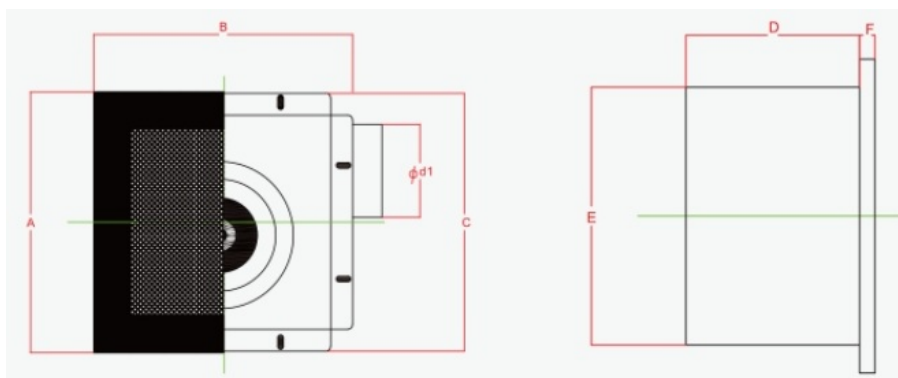
Rotate 45 degrees to the right and tighten firmly.

Fasten the air duct interface to the air inlet and outlet.

Product Performance Curve




Product Performance Specifications



Model Num	A	B	C	D	E	F	Cutout Dimensions
BPT10-12	280	280	277	155	230	14	230*240
BPT10-15	280	280	277	155	230	14	230*240
BPT10-21	280	280	277	155	230	14	230*240
BPT15-27	380	380	341	224	306	14	306*306
BPT15-33	380	380	341	224	306	14	306*306
BPT15-40	380	380	341	224	306	14	306*306
BPT15-60	380	380	341	224	306	14	306*306

 **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