

Controlled Fresh Air Infusion and Corrosion-Resistant Architecture Inline Duct Fans for Warehouses

Our Product Introduction

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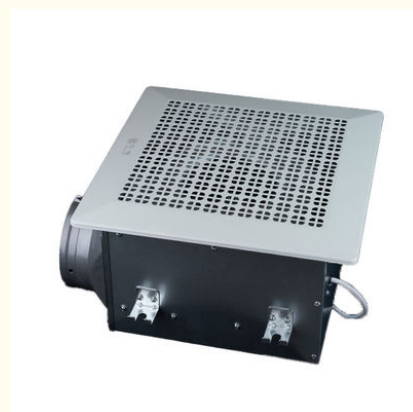
Basic Information

- 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

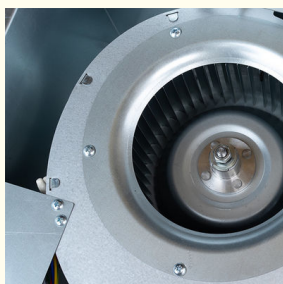


Product Specification

- 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



More Images



Product Description

Product Overview

To revolutionize air circulation in industrial and commercial facilities, we first need to understand the existing problems. In many such facilities, air circulation systems may be outdated. Old - fashioned ventilation fans might have limited capacity, unable to effectively remove pollutants, heat, and humidity. In large industrial plants, for example, poor air circulation can lead to the accumulation of dust, fumes, and chemical vapors, which not only pose health risks to workers but also affect the quality of products. In commercial spaces like shopping malls, stale air can reduce the comfort of customers, potentially driving them away.

Core Innovations

Fire-Safe Engineering

Material Integrity: Full-metal construction using fire-retardant aluminum alloys (ASTM E84 Class A rated) prevents combustion spread.

Compliance: Meets NFPA 96 and UL 705 standards for commercial ventilation safety.

High-Static Pressure Performance

Aerodynamically optimized impeller blades and reinforced housing sustain static pressures up to **1,200 Pa**, ideal for duct networks exceeding 50 meters.

CFD-tested airflow paths reduce turbulence, boosting efficiency by 35% versus conventional models.

Industrial-Grade Motor System

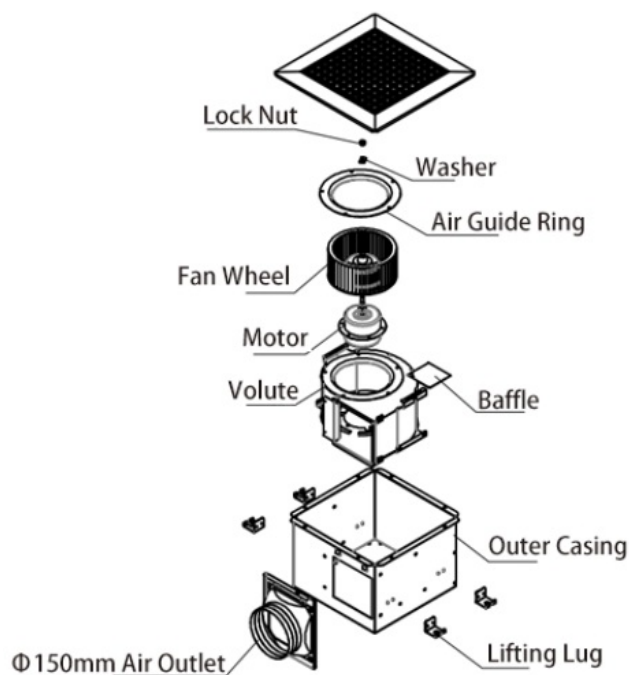
Zero-Maintenance Operation: German-engineered SKF ball bearings with lifetime lubrication, paired with thermal overload cutoffs, ensure 80,000+ hours of continuous runtime.

Noise Control: Sound-dampened motor mounts and vortex-shell acoustics limit operational noise to **≤55 dB(A)** at 1 meter.

Smart Integration Ready

Pre-wired for IoT sensors (humidity, CO₂, VOC monitoring) to enable automated ventilation adjustments via BACnet or Modbus protocols.

General assembly Drawing

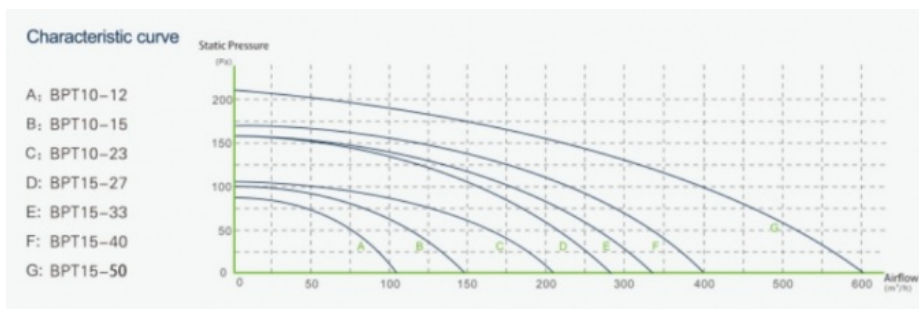


Health and Safety Improved air circulation reduces the concentration of harmful substances in the air, protecting the health of workers and customers. In an industrial environment, it can prevent respiratory diseases and other health problems caused by exposure to pollutants.

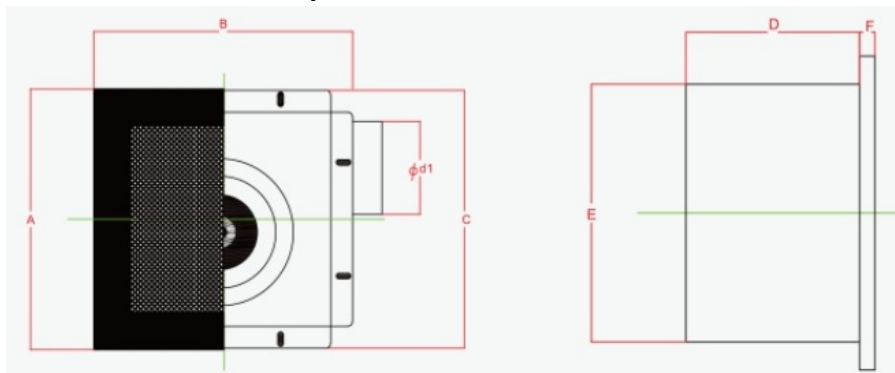
Energy Efficiency By using advanced technologies and optimizing the system design, energy consumption for air circulation can be significantly reduced. This not only lowers operating costs but also contributes to environmental sustainability.

Enhanced Productivity and Comfort In commercial facilities, fresh and well-circulated air can improve the comfort of customers, leading to longer stays and increased spending. In industrial settings, a comfortable working environment with good air quality can boost worker productivity.

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

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