

Transform Your Indoor Environments with Our Inline Duct Fans Adaptable Solutions for High-Moisture Environments

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

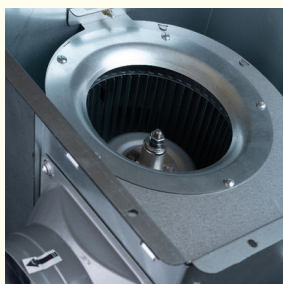


Product Specification

- Type: Ceiling Exhaust Duct Blower Fan
- Applicable Industries: Exhaust Ventilation
- Mounting: Ceiling Mounted
- Motor: Capacitor Copper Wire Motor
- Noise: MAX 45 DB
- Voltage (V): 220V
- Air Flow: 120-500 M³/h
- MOQ: 30 Set
- Feature: Low Noise, High Air Pressure, High Quality Motor



More Images



Product Description

Transform Indoor Environments with Precision Ventilation Systems

Introduction

In modern times, the quality of indoor environments has a profound impact on human health, comfort, and productivity. Precision ventilation systems have emerged as a revolutionary solution to transform indoor spaces. This paper will explore how these systems work and the multiple benefits they bring to indoor environments.

How Precision Ventilation Systems Work

Sensors and Monitoring: Precision ventilation systems are equipped with advanced sensors that can continuously monitor various parameters of the indoor environment, such as temperature, humidity, carbon dioxide levels, and volatile organic compound (VOC) concentrations. These sensors collect real-time data, providing a comprehensive understanding of the indoor air quality.

Intelligent Control: Based on the data collected by the sensors, the system's intelligent control unit can make precise adjustments. For example, if the carbon dioxide level in a meeting room rises due to a large number of people, the system can automatically increase the ventilation rate to bring in fresh air and maintain a healthy environment.

Benefits of Precision Ventilation Systems in Transforming Indoor Environments

Health Improvement: By effectively removing pollutants, allergens, and excess moisture from the air, precision ventilation systems significantly reduce the risk of respiratory diseases, allergies, and other health problems. For instance, in a home environment, it can prevent the growth of mold, which is a common cause of allergic reactions.

Enhanced Comfort: These systems can maintain a stable and comfortable indoor climate. They can adjust the air distribution to ensure uniform temperature and humidity throughout the space. In an office, employees will feel more comfortable, which can lead to increased job satisfaction and productivity.

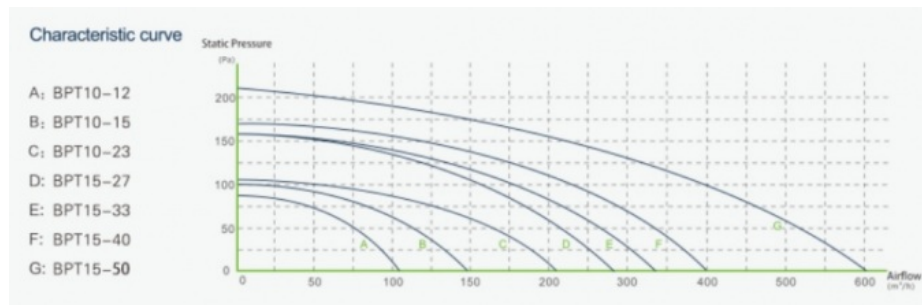
Energy Efficiency: Unlike traditional ventilation systems that often operate at a fixed rate, precision ventilation systems adjust the ventilation volume according to the actual needs of the indoor environment. This means that they consume less energy while still providing high-quality ventilation. For example, in a building with low occupancy during off-peak hours, the system can reduce the ventilation rate, saving energy costs.

Case Studies

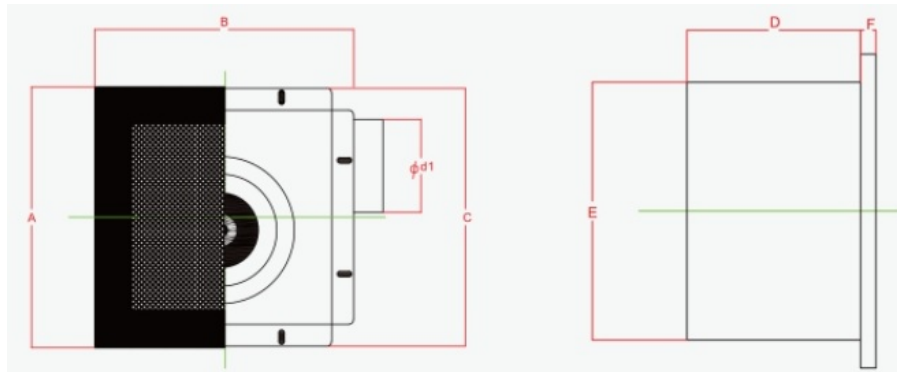
Commercial Buildings: In large office buildings, precision ventilation systems have been shown to improve indoor air quality, resulting in a decrease in employee sick days and an increase in overall work efficiency. For example, a high-rise office building in a major city installed a precision ventilation system, and within a few months, the employees reported less fatigue and better concentration.

Residential Homes: In residential settings, these systems provide a more comfortable living environment. A family in a newly built house with a precision ventilation system noticed a significant reduction in musty odors and a more consistent indoor temperature, which enhanced their quality of life.

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

APPLICATIONS

- Clean Room
- Lab
- Packing Room
- Production Area

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