

FANTECH 40568

Fantech PB110 Inline Exhaust Bath Fan Kit User Manual

Model: 40568

1. INTRODUCTION

This user manual provides essential information for the safe and efficient installation, operation, and maintenance of your Fantech PB110 Inline Exhaust Bath Fan Kit. Please read this manual thoroughly before beginning installation or operation to ensure proper use and to prevent potential hazards.

The Fantech PB110 is a powerful and efficient inline exhaust fan designed for remote mounting, ensuring quiet operation in bathroom ventilation applications. It is engineered to use a 4-inch flexible duct and features an unobtrusive intake grille for improved aesthetics.

2. SAFETY INFORMATION

Always follow basic safety precautions when installing, operating, and maintaining this product to reduce the risk of fire, electric shock, or injury to persons.

- Disconnect power before servicing or cleaning the unit.
- Installation must be performed by a qualified electrician in accordance with all local and national electrical codes.
- Ensure all wiring connections are secure and properly insulated.
- Do not use this fan with any solid-state speed control device unless specifically designed for this application.
- This fan is intended for general ventilating use only. Do not use to exhaust hazardous or explosive materials and vapors.
- Keep all foreign objects away from the fan blades and grille openings.
- Wear appropriate personal protective equipment (PPE) during installation, including gloves and eye protection.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged before beginning installation.

- Fantech PB110 Inline Fan Unit
- Intake Grille Assembly (7-inch)
- Mounting Brackets/Hardware
- User Manual (this document)



Figure 1: Fantech PB110 Inline Exhaust Bath Fan Kit components. This image displays the primary components of the Fantech PB110 Inline Exhaust Bath Fan Kit. On the left is the intake grille assembly, featuring a white circular grille and a black duct connection. On the right is the main fan unit, a galvanized metal cylinder with a black electrical box attached, designed for remote mounting.

4. SETUP AND INSTALLATION

The Fantech PB110 is designed for remote mounting, typically in an attic, crawl space, or utility closet, to minimize noise in the living area. It requires a 4-inch flexible duct for connection.

4.1 Planning the Installation

- Determine the optimal location for the fan unit, ensuring it is accessible for maintenance and away from living spaces for quiet operation.
- Plan the ducting path from the intake grille to the fan unit and from the fan unit to the exterior exhaust vent. Minimize bends and length for optimal airflow.
- Ensure adequate electrical supply is available at the fan unit's location.

4.2 Mounting the Fan Unit

1. Securely mount the Fantech PB110 inline fan unit using the provided mounting brackets. Ensure the unit is level and stable.
2. Connect the 4-inch flexible ducting to both the intake and exhaust ports of the fan unit. Use duct clamps or tape to ensure airtight connections.

4.3 Installing the Intake Grille

1. Cut an appropriate opening in the ceiling or wall for the 7-inch intake grille.
2. Connect the flexible duct from the fan unit to the intake grille assembly.

3. Secure the intake grille in place, ensuring a flush and aesthetically pleasing finish.

4.4 Electrical Connections

WARNING: All electrical work must be performed by a licensed electrician.

1. Ensure power to the circuit is OFF at the main breaker panel before making any electrical connections.
2. Wire the fan unit according to the wiring diagram provided on the unit's electrical box and in compliance with local electrical codes. The fan operates on standard household voltage (e.g., 120V AC).
3. Connect the fan to a dedicated switch or a timer switch for convenient operation.
4. Secure all wiring within the electrical box and replace the cover.

5. OPERATING INSTRUCTIONS

Once properly installed and wired, operating the Fantech PB110 is straightforward.

- **Power On:** Restore power to the circuit at the main breaker panel.
- **Activation:** Turn on the fan using the wall switch or timer connected to the unit.
- **Operation:** The fan will begin to exhaust air from the room. Due to its remote mounting design, the fan operates quietly, with the primary audible sound being the movement of air through the grille.
- **Deactivation:** Turn off the fan using the wall switch or allow the timer to complete its cycle.

For optimal performance, operate the fan during and after activities that generate moisture or odors in the bathroom.

6. MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your Fantech PB110 fan.

6.1 Cleaning the Intake Grille

- **Frequency:** Clean the intake grille periodically, or when visible dust accumulation occurs.
- **Procedure:**
 1. Turn off power to the fan at the circuit breaker.
 2. Carefully remove the intake grille cover.
 3. Wipe the grille with a damp cloth or use a vacuum cleaner with a brush attachment to remove dust and debris.
 4. Ensure the grille is dry before reattaching.
 5. Restore power to the fan.

6.2 Fan Unit Inspection

- **Frequency:** Annually, or if a decrease in performance is noticed.
- **Procedure:**
 1. Turn off power to the fan at the circuit breaker.
 2. Access the fan unit in its remote mounting location.
 3. Inspect the fan blades for dust buildup. If necessary, gently clean with a soft brush or vacuum.
 4. Check duct connections for any leaks or disconnections. Re-secure if needed.
 5. Inspect electrical connections for any signs of wear or damage.
 6. Restore power to the fan.

7. TROUBLESHOOTING

This section provides solutions to common issues you may encounter with your Fantech PB110 fan.

Problem	Possible Cause	Solution
Fan does not turn on.	No power to the unit. Faulty switch. Loose wiring connection.	Check circuit breaker. Test or replace switch. Inspect and secure wiring (ensure power is off).
Reduced airflow.	Clogged intake grille. Kinked or obstructed ducting. Fan blades are dirty.	Clean the intake grille. Inspect ducting for obstructions or kinks. Clean fan blades (ensure power is off).
Excessive noise.	Loose mounting. Obstruction in fan. Damaged fan motor.	Ensure fan unit is securely mounted. Check for foreign objects in the fan. Contact Fantech support if motor noise persists.

If the problem persists after attempting these solutions, contact Fantech customer support.

8. SPECIFICATIONS

Feature	Detail
Model Number	40568
Airflow Capacity	110 CFM (Cubic Feet per Minute)
Duct Diameter	4 inches
Intake Grille Size	7 inches
Power Source	Corded Electric
Wattage	60 watts
Product Dimensions	6"D x 5"W x 7"H
Weight	8.95 Pounds
Manufacturer	Fantech

9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries regarding your Fantech PB110 Inline Exhaust Bath Fan Kit, please contact Fantech directly.

Refer to the official Fantech website or the product packaging for the most current contact information and warranty details.

Fantech Official Website: www.fantech.net