

Panasonic FV-0511VFC1

Panasonic WhisperFit DC Ceiling Mount Bathroom Exhaust Fan with Humidity Sensor (Model FV-0511VFC1)

Instruction Manual

1. INTRODUCTION

The Panasonic WhisperFit DC FV-0511VFC1 is a high-performance ceiling mount bathroom exhaust fan designed to effectively remove humidity and improve indoor air quality. This model features a condensation sensor for automatic operation and Pick-A-Flow technology for customizable airflow. Its quiet operation and energy efficiency make it an ideal solution for maintaining a healthy home environment.

2. SAFETY INFORMATION

Please read and understand all instructions before beginning installation or operation. Failure to follow these instructions may result in electric shock, fire, property damage, or personal injury.

- Always disconnect power at the service panel before installing, servicing, or cleaning the unit.
- Installation work and electrical wiring must be done by qualified person(s) in accordance with all applicable codes and standards, including fire-rated construction codes.
- Do not use this fan with any solid-state speed control device unless specifically approved by Panasonic.
- This unit is designed for general ventilating use only. Do not use to exhaust hazardous or explosive materials and vapors.
- To reduce the risk of injury to persons, observe the following: Install the fan at least 7 feet (2.1m) above the floor.

3. PRODUCT FEATURES

- **Retrofit Bathroom Vent Fan with Humidity Control:** This fan features a condensation sensor that helps control bathroom condensation and remove humidity. The automatic sensor turns the fan on when humidity is detected.
- **Customizable Airflow:** This slim, quiet, Energy Star-certified fan features a DC/ECM motor and Pick-A-Flow technology that allows you to select your desired airflow from 50, 80, or 110 CFM at the flip of a switch for your room size and usage needs.
- **Easy Installation:** The Flex-Z Fast Bracket simplifies installation with a single-hinge bracket for easy

positioning. A low-profile 5-5/8" housing depth fits in 2 x 6 joist size or larger.

4. SETUP AND INSTALLATION

The WhisperFit DC fan is designed for easy installation, particularly for retrofit applications. The Flex-Z Fast bracket allows for flexible positioning and secure mounting.

4.1. Dimensions and Ducting

Ensure adequate space for the fan housing and proper ducting. The unit supports both 4-inch and 3-inch ducts with the included adapter.

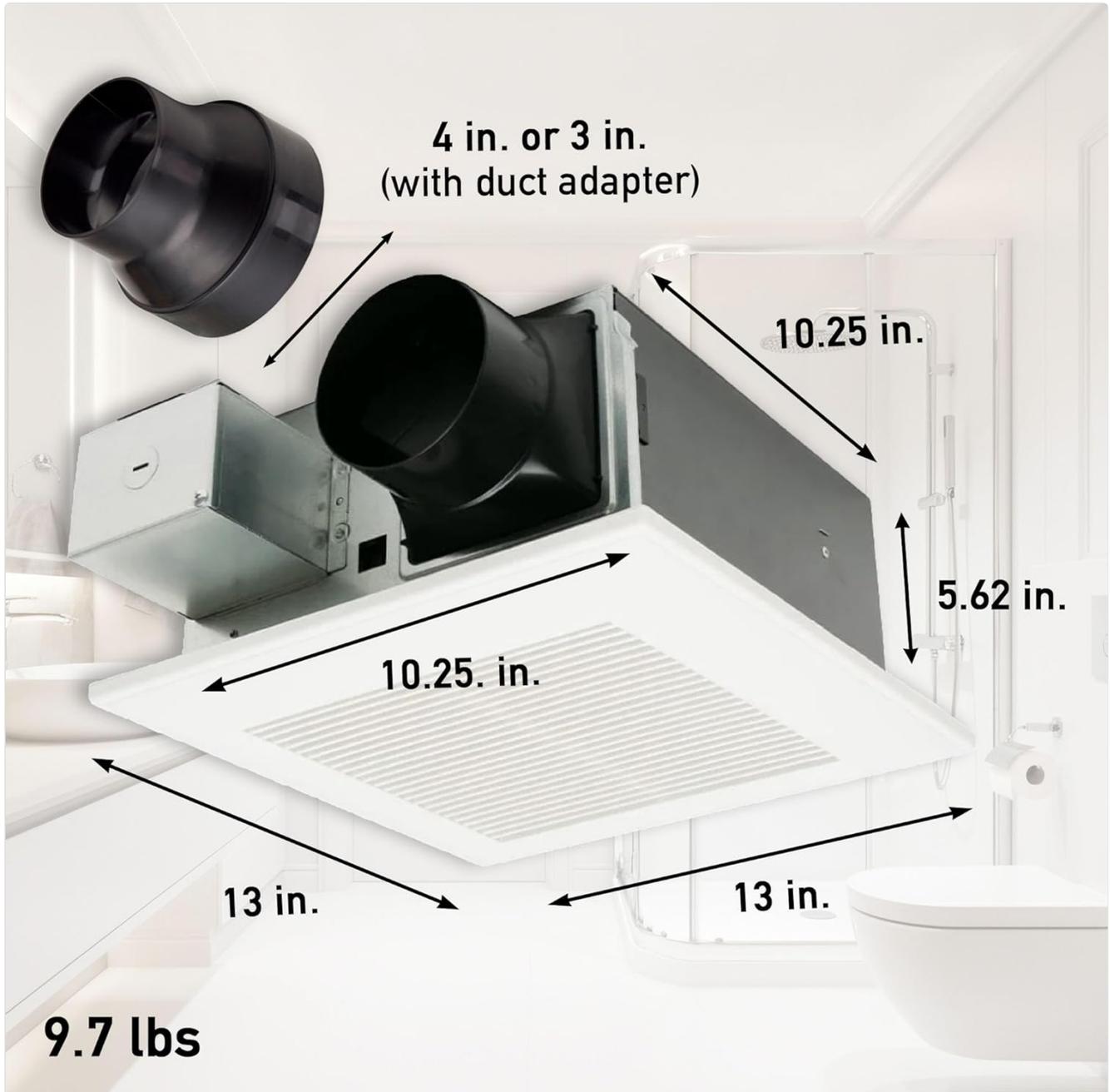


Figure 1: Product dimensions and ducting options. The fan measures 10.25 inches by 10.25 inches with a 5.62-inch depth, and weighs 9.7 lbs. It includes a duct adapter for 4-inch or 3-inch connections.

4.2. Flex-Z Fast Installation System

The Flex-Z Fast bracket simplifies installation from below the ceiling, making it suitable even without attic access.



Flex-Z Fast INSTALLATION SYSTEM

Installs easily from below the ceiling. No attic? No problem!

Figure 2: The Flex-Z Fast Installation System allows for easy installation from below the ceiling, securing the fan housing to joists.

4.3. Airflow Selection

Before final installation of the grille, select the desired CFM (Cubic Feet per Minute) setting using the switch located on the fan housing. Options include 50, 80, or 110 CFM to match your room size and ventilation needs.

CFM = Power

(Cubic Feet per Minute)

- + The larger the CFM, the more power the fan.
- + CFM is the amount of air being moved.
- + CFM matches the square footage of the room.

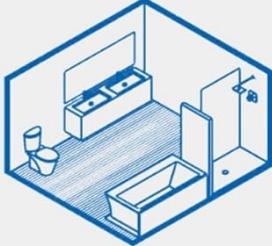
Small Room	Medium Room	Large Room
		
50-79 CFM / Sq. Ft.	80-99 CFM / Sq. Ft.	100+ CFM / Sq. Ft.

Figure 3: CFM (Cubic Feet per Minute) indicates the fan's power. Choose the appropriate CFM setting based on your room's square footage for effective ventilation.

4.4. Installation Video

For a visual guide on the installation process, please refer to the official product video below. Professional installation is encouraged.

Video 1: This video demonstrates the installation process for the Panasonic WhisperFit DC Ventilation Fans, highlighting key steps and features like the Flex-Z Fast bracket and adjustable CFM settings.

5. OPERATING INSTRUCTIONS

The WhisperFit DC fan is designed for simple and efficient operation, especially with its integrated humidity sensor.

5.1. Humidity Sensor Operation

The fan's condensation sensor automatically detects elevated humidity levels in the bathroom and activates the fan to remove moisture. Once humidity levels return to normal, the fan will turn off after a set delay (typically 20 minutes, if configured).



Figure 4: The fan effectively clears a foggy bathroom, demonstrating its humidity removal capabilities.

5.2. Quiet Operation

The WhisperFit DC fan operates at a very low noise level, ensuring a peaceful bathroom environment. The noise level is rated at 0.8 Sones at 110 CFM, and even quieter at lower CFM settings.

Sones = Sound

50 CFM - 0.3 Sones | 110 CFM - 0.8 Sones

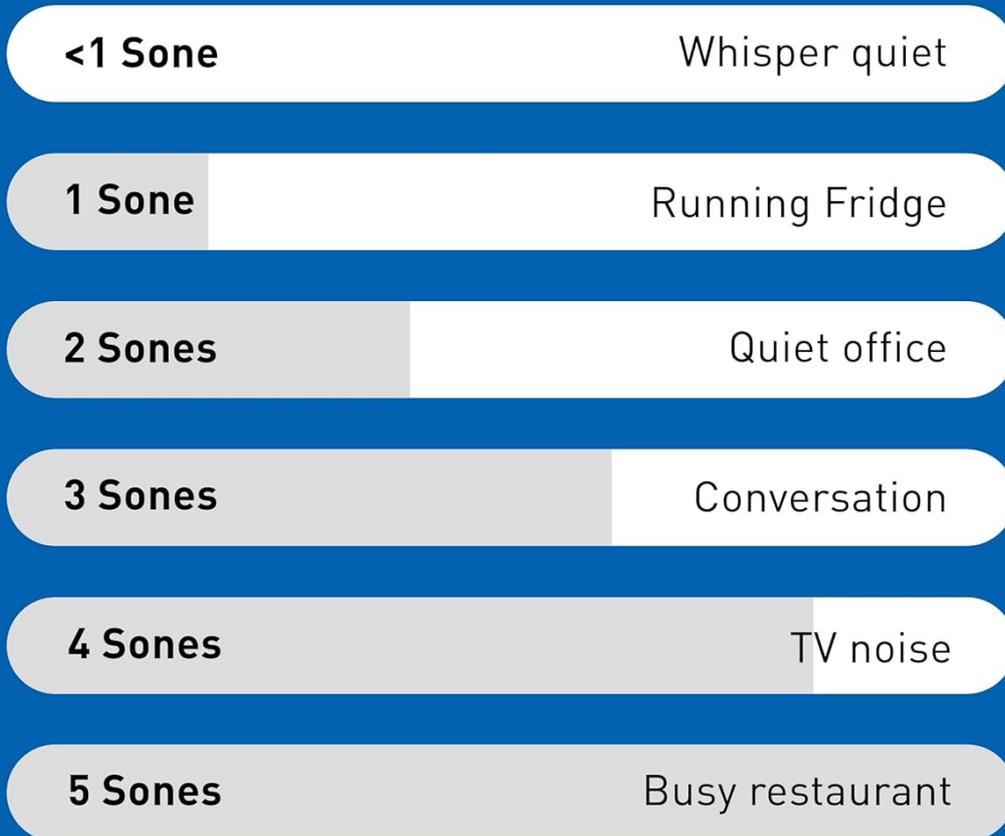


Figure 5: Sones are a measure of sound. The WhisperFit DC fan is designed for extremely quiet operation, comparable to a whisper.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your fan. Always disconnect power before performing any maintenance.

6.1. Cleaning the Grille

Periodically remove the grille and wipe it clean with a damp cloth. Do not use abrasive cleaners or solvents.

6.2. Cleaning the Fan Motor and Blades

If necessary, carefully clean the fan motor and blades with a soft brush or vacuum cleaner. Avoid getting moisture into electrical components.

7. TROUBLESHOOTING

If your fan is not operating as expected, refer to the following common issues and solutions:

- **Fan does not turn on:** Check the circuit breaker or fuse. Ensure all wiring connections are secure. Verify the humidity sensor is not obstructed and is set correctly.
- **Fan is noisy:** Check for loose mounting screws or debris in the fan blades. Ensure ductwork is properly secured and not kinked.
- **Poor ventilation:** Verify the CFM setting is appropriate for your room size. Check for obstructions in the ductwork or fan grille. Ensure the fan is properly ducted to the outside.

For persistent issues, contact a qualified electrician or Panasonic customer support.

8. SPECIFICATIONS

Feature	Specification
Brand	Panasonic
Model Name	WhisperFit DC
Item Model Number	FV-0511VFC1
Air Flow Capacity	50, 80, or 110 CFM (selectable)
Noise Level	0.8 Sones (at 110 CFM)
Wattage	17.9 watts
Voltage	120 Volts
Motor Type	DC/ECM
Special Feature	Humidity Sensing, Selectable CFM
Installation Type	Ceiling Mount
Product Dimensions	17.52"D x 10.2"W x 14.09"H
Item Weight	9.46 pounds (4.3 Kilograms)
Efficiency	Energy Star Certified

9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the documentation included with your product or visit the official Panasonic website. Keep your purchase receipt as proof of purchase for warranty claims.

