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Panasonic FV-11VH2

Panasonic FV-11VH2 WhisperWarm Fan/Heater Combination Instruction Manual

Model: FV-11VH2

Product Overview

The Panasonic FV-11VH2 WhisperWarm is a ceiling-mounted fan and heater combination unit designed for ventilation and supplemental heating in bathrooms and other suitable indoor spaces. This unit is engineered for quiet operation, energy efficiency, and long-term reliability.

Panasonic



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Image: The Panasonic FV-11VH2 WhisperWarm Fan/Heater Combination unit, showcasing its design and Energy Star certification.

Key Features:

- **Extremely Quiet Operation:** Operates at a low noise level of 0.6 sones (6 Decibels).
- **Efficient Heating:** Features a tubular, stainless-steel-sheathed heating element for optimal heat transfer.
- **Durable Motor:** Equipped with a totally enclosed condenser motor and permanently lubricated components for extended life.
- **Effective Ventilation:** A large, double suction blower wheel moves 110 cubic feet per minute (CFM) of air efficiently.
- **Backdraft Prevention:** Includes a built-in damper to prevent outside air intrusion.
- **Code Compliant:** ENERGY STAR certified and complies with ASHRAE 62.2, LEED, California Title 24, and Washington VIAQ codes.

Image: Illustrates the benefit of quiet, clean air provided by the WhisperWarm fan, preventing humidity and pollutants.

Important Safety Information

Read all instructions carefully before installation and operation. Failure to follow these instructions may result in electric shock, fire, or personal injury.

- Always disconnect power at the service panel before servicing or cleaning the unit.
- Installation must be performed by a qualified electrician in accordance with all local and national electrical codes.
- Do not install this unit in a ceiling where the temperature may exceed 104°F (40°C).
- Ensure proper grounding to prevent electrical shock.
- Do not use this fan with a solid-state speed control device unless specifically approved by Panasonic.
- Maintain adequate clearance from combustible materials.

Installation Guide

This section provides general guidance for installing the Panasonic FV-11VH2 unit. Professional installation by a licensed electrician is highly recommended due to the electrical requirements and the need for precise ceiling modifications.

Pre-Installation Steps:

1. **Verify Power Requirements:** The unit requires a dedicated 20 Amp circuit. Ensure your electrical panel can support this.
2. **Location Selection:** Choose a ceiling location that allows for proper ducting and electrical connections. Consider accessibility from the attic or above.
3. **Measure and Cut Opening:** The mounting opening dimensions are approximately 17 3/8" x 12 5/8". Carefully measure and cut the ceiling opening.
4. **Gather Tools:** You will need standard electrical tools, measuring tape, cutting tools for drywall/ceiling, and potentially tools for ductwork.

Mounting the Unit:

The unit is designed for use with 4-inch ducts and comes with necessary mounting hardware. Installation may vary based on existing ceiling joist configuration.

Note: The unit is heavy (approximately 20.1 lbs) and requires secure support on both sides. If only one ceiling beam is available, additional bracing or suspension may be necessary.



Image: Exploded view of the Panasonic FV-11VH2 unit, illustrating the motor, fan, and vent cover, along with included mounting brackets.

For easier installation, especially in tight attic spaces, consider temporarily removing the outlet nozzle and mounting brackets from the unit before lifting it into the ceiling opening. These components can be reattached once the main housing is in place.

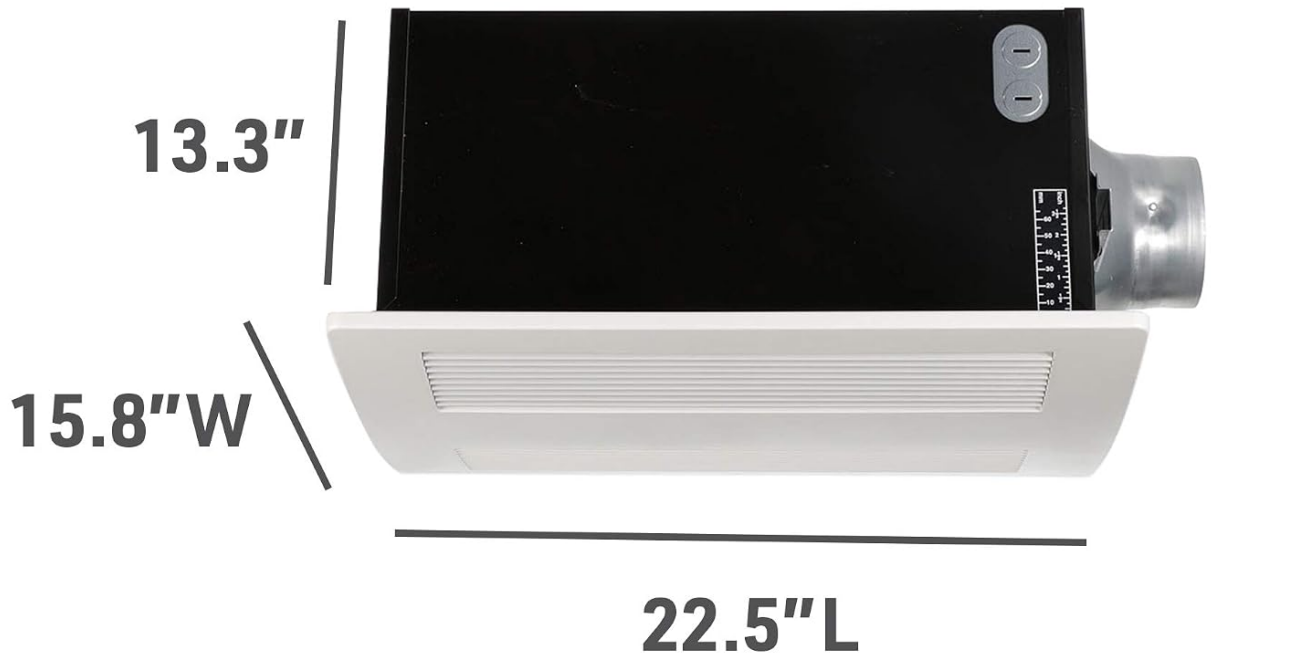


Image: Dimensional diagram of the Panasonic FV-11VH2 unit, indicating its height, width, length, and weight for installation planning.

Image: Highlights the installation flexibility of the unit, fitting into 2x8 construction for remodeling.

Electrical Wiring:

The Panasonic FV-11VH2 typically requires a multi-function switch setup to control the fan and heater independently. Wiring diagrams are provided in the full installation manual (not included here) and should be strictly followed.

Warning: Incorrect wiring can lead to electrical hazards and damage to the unit. If you are not experienced with electrical wiring, consult a licensed electrician.

Operating Instructions

The Panasonic FV-11VH2 WhisperWarm unit provides both ventilation and heating functions, controlled via wall switches (not included with the unit).

Fan Operation:

To activate the ventilation fan, use the designated wall switch. The fan operates at a single speed, providing 110 CFM of airflow to remove humidity and odors from the room.



Image: Detail of the Panasonic FV-11VH2 unit, showing the combined fan and heater grilles.

Heater Operation:

To activate the heater, use its dedicated wall switch. The heating element will begin to warm up, and a fan will distribute the warm air into the room. Allow a few seconds for the heating element to reach optimal temperature.

The heater provides supplemental warmth, making bathrooms more comfortable during colder periods.



Image: Underside of the Panasonic FV-11VH2, confirming it is a fan/heater combination without an integrated light.

Combined Use:

Both the fan and heater functions can be operated independently or simultaneously, depending on your wiring configuration and switch setup.

Maintenance

Regular maintenance ensures optimal performance and extends the lifespan of your Panasonic FV-11VH2 unit.

Cleaning the Grille:

1. **Disconnect Power:** Always turn off power to the unit at the circuit breaker before cleaning.
2. **Remove Grille:** Gently pull down the grille to detach it from the housing.
3. **Clean Grille:** Wash the grille with a mild detergent and water. Rinse thoroughly and allow it to dry completely before reattaching.

Cleaning the Fan/Heater Unit:

1. **Disconnect Power:** Ensure power is off at the circuit breaker.
2. **Wipe Housing:** Use a damp cloth to wipe down the exterior of the fan housing.
3. **Clean Blower Wheel:** Carefully use a vacuum cleaner with a brush attachment to remove dust and debris from the blower wheel and heating element. Avoid bending or damaging the fan blades or heating coils.
4. **Reassemble:** Once clean and dry, reattach the grille and restore power.

Note: The motor is permanently lubricated and does not require additional oiling.

Troubleshooting

If your Panasonic FV-11VH2 unit is not operating correctly, refer to the following common issues and solutions:

Problem	Possible Cause	Solution
Unit does not operate (no fan, no heat).	No power supply; tripped circuit breaker; faulty wall switch; loose wiring connection.	Check circuit breaker and reset if tripped. Verify wall switch functionality. Inspect wiring connections (consult electrician).
Fan operates, but no heat.	Faulty heating element; incorrect wiring for heater function; tripped thermal cut-off.	Ensure heater switch is on. Consult electrician to check wiring and heating element.
Unit is excessively noisy.	Accumulation of dust/debris on blower wheel; loose mounting; damaged fan blade.	Disconnect power and clean blower wheel. Check mounting for secure fit. If noise persists, contact customer support.
Insufficient airflow.	Blocked ductwork; dirty blower wheel; improper duct size.	Check and clear any obstructions in ductwork. Clean blower wheel. Ensure 4-inch ducting is used.

For issues not listed or if troubleshooting steps do not resolve the problem, contact Panasonic customer support or a qualified service technician.

Technical Specifications

Below are the key technical specifications for the Panasonic FV-11VH2 WhisperWarm Fan/Heater Combination:

Feature	Specification
Model Number	FV-11VH2
Air Flow Capacity	110 CFM (Cubic Feet Per Minute)
Noise Level	0.6 Sones (6 Decibels)
Power Source	Corded Electric
Voltage (Fan Motor)	16 Volts (AC)
Wattage (Fan Motor)	16 watts
Current Draw (Fan Motor)	0.25 A
Mounting Type	Ceiling Mount

Feature	Specification
Duct Size	4 inches (recommended)
Item Weight	20.1 Pounds
Material	Stainless Steel (housing), Plastic (blade)
Compliance	ENERGY STAR certified, UL, ASHRAE 62.2, LEED, California Title 24, Washington VIAQ

Note: The wattage and voltage specifications provided are for the fan motor. Heater element specifications typically require a dedicated 20 Amp circuit and higher wattage, which should be confirmed with the full product manual or a qualified electrician.

Warranty and Customer Support

Warranty Information:

The Panasonic FV-11VH2 WhisperWarm Fan/Heater Combination is covered by the following manufacturer's warranty:

- **All Parts:** 3 years (36 months) from the date of original purchase.
- **DC Motor:** 6 years (72 months) from the date of original purchase.

Please retain your proof of purchase for warranty claims.

Customer Support:

For technical assistance, warranty service, or to purchase replacement parts, please contact Panasonic customer support. Refer to the official Panasonic website or your purchase documentation for current contact information.

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