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Panasonic FV-11VHL2

Panasonic FV-11VHL2 WhisperWarm User Manual

110 CFM Ceiling Mounted Fan/Heat/Light/Night-Light Combination

Introduction

This manual provides detailed instructions for the safe installation, operation, and maintenance of your Panasonic FV-11VHL2 WhisperWarm Ceiling Mounted Fan/Heat/Light/Night-Light Combination unit. Please read all instructions carefully before beginning installation or use to ensure proper function and safety.

The Panasonic FV-11VHL2 is designed to provide ventilation, heating, and illumination for your bathroom or similar space. It features a powerful 110 cubic feet per minute (CFM) fan, a heating element for added warmth, and integrated lighting including a night-light function, all operating at a quiet 0.7 sones.



Figure 1: Panasonic FV-11VHL2 WhisperWarm unit, showing the main housing, grille, and exhaust duct.

Safety Information

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

- **WARNING:** To reduce the risk of fire or electric shock, do not use this fan with any solid-state speed control device.
- **WARNING:** This unit must be properly grounded.
- Ensure power is disconnected at the service panel before installation or servicing.
- All wiring must conform to local codes and standards. Consult a qualified electrician if you are unsure.
- Do not install in a shower or tub enclosure.
- Do not use this unit to exhaust hazardous or explosive materials and vapors.
- Maintain proper clearances from combustible materials as specified in the installation instructions.

Setup and Installation

The Panasonic FV-11VHL2 is designed for ceiling-mounted installation and requires a 4-inch duct for exhaust. Professional installation by a licensed electrician is recommended due to the electrical requirements and the need for a multi-function switch.

Pre-Installation Checks:

1. Verify that the mounting opening in the ceiling is approximately 17 3/8 inches by 12 5/8 inches.
2. Ensure your electrical circuit can support the unit's combined amperage (12.5 Amps) and has a dedicated 20 Amp fuse or circuit breaker.
3. Confirm availability of a 4-inch diameter duct for exhaust.

Installation Steps:

1. **Prepare the Opening:** Cut the ceiling opening to the specified dimensions. If installing in existing construction, you may need to enlarge the opening from a previous unit.
2. **Mounting the Housing:** The unit can be installed by suspending it from ceiling joists. For easier installation, the exhaust nozzle and mounting brackets can be temporarily removed from the main housing.
3. **Duct Connection:** Connect the 4-inch exhaust duct to the unit's nozzle. Ensure a secure and airtight connection to prevent air leakage.
4. **Electrical Wiring:** This unit requires a multi-function wall switch (not included) to control the fan, heater, light, and night-light independently. Wire the unit according to the provided wiring diagram (typically found inside the unit's electrical box cover) and local electrical codes. Ensure all connections are secure and insulated.
5. **Secure the Unit:** Once wired and ducted, secure the unit housing to the ceiling joists using appropriate fasteners.
6. **Install Grille and Bulbs:** Install the included compact fluorescent lamps (CFLs) for the main light and the 4-watt night-light bulb. Attach the decorative grille to cover the unit.



Figure 2: Product dimensions for installation planning.



Figure 3: Internal components and mounting hardware.

Operating Instructions

Your Panasonic FV-11VHL2 unit provides four distinct functions: ventilation, heating, main lighting, and night-lighting. Each function is controlled independently via the wall switch(es) connected during installation.

Fan Operation:

Activate the fan function using the designated switch. The fan operates at 110 CFM, effectively removing humidity and odors from the room. Its 0.7 sone rating ensures quiet operation.

Heater Operation:

Turn on the heater using its dedicated switch. The tubular, stainless-steel-sheathed heating element will begin to warm the air. Allow a few moments for the element to reach full operating temperature and for the warm air to circulate.

Light Operation:

The unit includes two 18-watt compact fluorescent lamps (CFLs) for general room illumination. Activate the main light using its switch. These lamps provide brightness equivalent to 100-watt incandescent lighting.



Figure 4: The integrated light feature of the unit.

Night-Light Operation:

A separate 4-watt night-light provides a soft glow for low-light navigation. Use its dedicated switch to turn it on or off as needed.

Maintenance

Regular maintenance ensures optimal performance and longevity of your unit. Always disconnect power at the circuit breaker before performing any maintenance.

Cleaning the Grille:

1. Gently pull down the grille to detach it from the housing.
2. Wash the grille with a mild detergent and water. Rinse thoroughly and allow it to dry completely before reattaching.
3. Wipe the exterior of the unit housing with a damp cloth. Do not allow water to enter the motor or electrical components.

Motor and Bearings:

The unit features permanently lubricated motors, which do not require additional lubrication. This design contributes to continuous, trouble-free operation for many years.

Bulb Replacement:

When replacing the main light CFLs or the night-light bulb, ensure the power is off. Use bulbs of the same type and wattage as the originals to maintain performance and safety.

Troubleshooting

If you experience issues with your Panasonic FV-11VHL2 unit, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Unit does not operate (no fan, heat, or light)	No power supply; tripped circuit breaker; faulty wiring connection.	Check circuit breaker/fuse. Ensure power is on. Verify wiring connections (consult electrician if needed).
Fan runs, but no heat	Heater element failure; faulty heater switch; incorrect wiring for heater.	Check heater switch. Inspect wiring for heater function. Contact qualified service personnel if element is suspected faulty.
Light(s) do not turn on	Burned out bulb(s); faulty light switch; incorrect wiring for light.	Replace bulb(s). Check light switch. Inspect wiring for light function.
Excessive noise during operation	Loose mounting; obstruction in fan; damaged fan motor/bearings.	Ensure unit is securely mounted. Check for debris in the fan. If noise persists, contact support.
Poor ventilation/air movement	Blocked ductwork; dirty fan blades/grille; undersized duct.	Check ductwork for obstructions. Clean grille and fan blades. Ensure 4-inch duct is used.

If troubleshooting steps do not resolve the issue, please contact Panasonic customer support or a qualified service technician.

Specifications

Feature	Specification
Brand	Panasonic
Model Number	FV-11VHL2
Air Flow Capacity	110 Cubic Feet Per Minute (CFM)
Noise Level	0.7 Sones
Voltage	120 Volts
Combined Amps	12.5 Amps

Feature	Specification
Wattage (Fan)	30.6 watts
Mounting Opening	17 3/8" x 12 5/8"
Duct Size	4 inches
Product Dimensions (Overall)	24"D x 23"W x 76"H (Note: This dimension seems unusually large for a fan unit and may refer to packaging or a different product. Refer to Figure 2 for unit-specific dimensions.)
Installation Type	Ceiling Mounted
Motor Type	Condenser
Bulb Type	Compact Fluorescent Light (CFL)
Special Features	Heater, Light, Night-Light
Compliance	ENERGY STAR certified, ASHRAE 62.2, LEED, California Title 24, Washington VIAQ codes and standards

Warranty

The Panasonic FV-11VHL2 WhisperWarm unit comes with a **3-year limited manufacturer's warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims. For specific terms and conditions, refer to the warranty documentation included with your product or visit the official Panasonic website.

Support

For technical assistance, replacement parts, or further information regarding your Panasonic FV-11VHL2 WhisperWarm unit, please contact Panasonic customer support. You can typically find contact details on the official Panasonic website or in the packaging materials that came with your product.
Online Resources: Visit the official Panasonic website for FAQs, product registration, and additional support documents.

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