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› Perfect Aire 10,000 BTU Through-the-Wall Heat/Cool Air Conditioner (Model 3PATWH10002) User Manual

PerfectAire 3PATWH10002

Perfect Aire 10,000 BTU Through-the-Wall Heat/Cool Air Conditioner

Model: 3PATWH10002 - User Manual

IMPORTANT SAFETY INSTRUCTIONS

Read all instructions before using this appliance. To reduce the risk of fire, electrical shock, or injury when using your air conditioner, follow these basic precautions:

- This appliance must be properly grounded.
- Never unplug the air conditioner by pulling on the power cord. Always grip the plug firmly and pull straight out from the receptacle.
- Do not pinch, bend, or knot the power cord.
- Do not operate the air conditioner with a damaged power cord or plug.
- Do not use an extension cord or an adapter plug with this unit.
- Always turn off the unit and unplug it before cleaning or servicing.
- Do not block the air intake or exhaust vents.
- Keep flammable materials away from the unit.
- Ensure the unit is installed according to local electrical codes and regulations.

PRODUCT OVERVIEW

The Perfect Aire 10,000 BTU Through-the-Wall Heat/Cool Air Conditioner provides efficient cooling and heating for rooms up to 450 sq. ft. It features multiple operating modes, fan speeds, and a remote control with a built-in temperature sensor for optimal comfort.

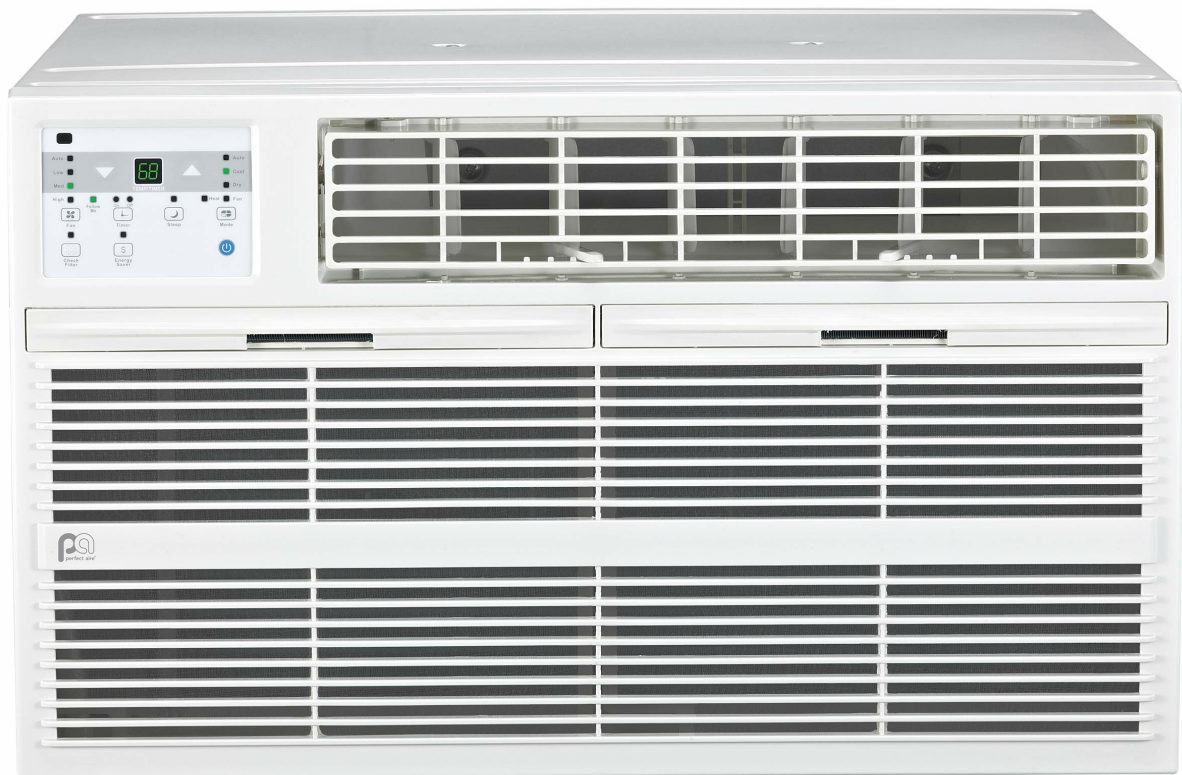


Image: Perfect Aire 10,000 BTU Through-the-Wall Heat/Cool Air Conditioner unit installed in a wall opening, shown in a living space with a chair and window.

SETUP AND INSTALLATION

Unpacking and Included Components

Carefully remove the air conditioner from its packaging. Ensure all included components are present:

- Seals
- Screws
- Washers
- Nuts
- Ground wire
- Trim frame
- Divider
- Support blocks
- Spacer blocks
- Remote control
- Batteries for remote control

Note: A wall sleeve is sold separately and is required for through-the-wall installation.

Dimensions and Power Requirements

- **Unit Dimensions (D x W x H):** 20.5" x 24.25" x 14.5"
- **Recommended Wall Sleeve Dimensions (W x H):** 25.5" x 15.25"
- **Voltage:** 230V
- **Wattage:** 3450 watts
- **Power Source:** Corded Electric

Ensure your electrical outlet meets the 230V requirement and is properly grounded. Consult a qualified electrician if you are unsure.

Determining Cooling Capacity

Use the following guide to determine the appropriate cooling capacity for your room. This unit provides 10,000 BTU, suitable for areas up to 450 sq. ft.

Find the correct cooling capacity for your room

Find the corresponding cooling capacity that matches your desired area (square footage). Cooling capacity shown in British thermal units (BTU) per hour.

Area to be cooled (SQ. FT.)	Capacity Needed (BTU)
150 SQ. FT.	5,000
UP TO 250 SQ. FT.	6,000
UP TO 300 SQ. FT.	7,000
UP TO 350 SQ. FT.	8,000
UP TO 400 SQ. FT.	9,000
UP TO 450 SQ. FT.	10,000
UP TO 550 SQ. FT.	12,000
UP TO 700 SQ. FT.	14,000
UP TO 1000 SQ. FT.	18,000
UP TO 1200 SQ. FT.	21,000
UP TO 1400 SQ. FT.	23,000
UP TO 1500 SQ. FT.	24,000

Adjustment as necessary

Make any adjustments for the following circumstance:

- i. If the room is heavily shaded, reduce capacity by 10 percent.
- ii. If the room is very sunny, increase capacity by 10 percent.
- iii. If more than two people regularly occupy the room, add 600 BTUs for each additional person.
- iv. If the unit is used in a kitchen, increase capacity by 4,000 BTUs.

Image: Chart titled 'Find the correct cooling capacity for your room' with columns for 'Area to be cooled (SQ. FT.)' and 'Capacity Needed (BTU)'. It also includes adjustment guidelines for heavily shaded, very sunny, occupied by more than two people, or kitchen rooms.

Adjustments:

- If the room is heavily shaded, reduce capacity by 10 percent.
- If the room is very sunny, increase capacity by 10 percent.
- If more than two people regularly occupy the room, add 600 BTUs for each additional person.
- If the unit is used in a kitchen, increase capacity by 4,000 BTUs.

OPERATING INSTRUCTIONS

Control Panel

The unit features an intuitive control panel on the front. It includes buttons for Power, Mode selection, Fan Speed, Temperature adjustment, and Timer settings. Indicators show the current mode, fan speed, and set temperature.

Remote Control

The remote control allows convenient operation from anywhere in the room. It includes a built-in room temperature sensor that helps regulate the room temperature around the remote, effectively making the remote the thermostat.





Image: White remote control for the Perfect Aire air conditioner, showing buttons for Power, Mode, Fan, Timer, Energy Saver, Follow Me, Sleep, LED, Clock, and temperature adjustment arrows. The display shows 'AUTO', 'CLOCK 12:07', and 'SET TEMP. 68°F'.

Remote Control Functions:

- **Power Button:** Turns the unit ON or OFF.
- **Mode Button:** Cycles through operating modes: Cool, Heat, Fan, Dry, Auto, Energy Saver, Sleep.
- **Fan Speed Button:** Adjusts fan speed (Low, Medium, High, Auto).
- **Temperature Arrows (Up/Down):** Adjusts the desired temperature setting (62°F – 86°F).
- **Timer Button:** Sets the auto ON/OFF timer.
- **Follow Me Button:** Activates the remote's temperature sensor for localized temperature control.
- **Sleep Button:** Adjusts temperature and fan speed for comfortable sleep.
- **LED Button:** Turns the display lights on the unit ON or OFF.
- **Clock Button:** Sets the current time.

Operating Modes

- **Cool Mode:** Provides cooling. Set desired temperature and fan speed.
- **Heat Mode:** Provides heating. Set desired temperature and fan speed.
- **Fan Mode:** Circulates air without cooling or heating. Select desired fan speed.
- **Dry Mode:** Reduces humidity in the room.
- **Auto Mode:** Automatically selects cooling or heating based on the set temperature and ambient room temperature.
- **Energy Saver Mode:** The fan will cycle on and off with the compressor to save energy.
- **Sleep Mode:** Gradually adjusts the temperature and fan speed over several hours to maintain comfort during sleep and save energy.

Air Filter Cleaning

The unit features a front-mounted reusable air filter that slides out for easy cleaning. A clean filter ensures optimal performance and air quality.

1. Turn off the air conditioner and unplug it from the power outlet.
2. Open the front panel and slide out the air filter.
3. Wash the filter with warm, soapy water. Rinse thoroughly.
4. Allow the filter to air dry completely before reinstalling.
5. Reinsert the dry filter and close the front panel.

Clean the air filter every two weeks or more frequently if the unit is used in a dusty environment.

General Cleaning

Wipe the exterior of the unit with a soft, damp cloth. Do not use harsh chemicals, abrasives, or solvents, as these can damage the surface. Ensure no water enters the electrical components.

TROUBLESHOOTING

Before contacting customer support, review the following common issues and solutions:

- **Unit does not turn on:**
 - Check if the power cord is securely plugged into a 230V outlet.
 - Verify the circuit breaker has not tripped.
 - Ensure the unit's power button is pressed.
- **Unit is not cooling/heating effectively:**
 - Check if the air filter is clean and not obstructed.
 - Ensure no objects are blocking the air intake or exhaust vents.
 - Verify the set temperature is appropriate for the desired cooling/heating.
 - Check if windows and doors are closed to prevent air leakage.
 - Confirm the unit's capacity is suitable for the room size (refer to 'Determining Cooling Capacity').
- **Unusual noises:**
 - A gurgling or hissing sound is normal and indicates refrigerant flow.
 - Vibration noises can occur if the unit is not installed securely.
 - If loud or persistent grinding/squealing occurs, turn off the unit and contact support.
- **Water dripping from the unit:**
 - During high humidity, some condensation is normal.
 - Ensure the unit is slightly tilted outwards during installation to allow proper drainage.
 - Check for blockages in the drain pan or drain hose.

SPECIFICATIONS

Feature	Specification
Model Name	10,000 BTU Through the Wall

Model Number	3PATWH10002
Cooling Capacity	10,000 BTU
Heating Capacity	10,600 BTU (Supplemental Electric Heater)
Coverage Area	Up to 450 sq. ft.
Voltage	230 Volts
Wattage	3450 watts
Product Dimensions (D x W x H)	20.5" x 24.25" x 14.5"
Item Weight	69 Pounds
Noise Level	53 Decibels (Highest: 57 dB)
Temperature Range	62°F – 86°F
Refrigerant	R 410A
Seasonal Energy Efficiency Ratio (SEER)	13
Control Method	Remote Control
Installation Type	Packaged (Through-the-Wall)

WARRANTY INFORMATION

This Perfect Aire air conditioner comes with a **1-year full replacement warranty**. This is a Manufacturer Warranty.

For warranty claims or detailed terms and conditions, please refer to the warranty card included with your product or contact Perfect Aire customer support.

CUSTOMER SUPPORT

If you have any questions, require technical assistance, or need to report an issue that cannot be resolved using the troubleshooting guide, please contact Perfect Aire customer support.

Please have your model number (**3PATWH10002**) and purchase date available when contacting support.

For the most current contact information, please visit the official Perfect Aire website or refer to the documentation included with your product.