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Koldfront WAC18001W

Koldfront WAC18001W 18,500 BTU 208/230V Heat/Cool Window Air Conditioner

INSTRUCTION MANUAL

Model: WAC18001W | Brand: Koldfront

1. Introduction

Thank you for choosing the Koldfront WAC18001W Heat/Cool Window Air Conditioner. This manual provides essential information for the safe and efficient operation, installation, and maintenance of your unit. Please read it thoroughly before use and retain it for future reference.

2. Important Safety Information

To reduce the risk of fire, electrical shock, or injury when using your air conditioner, follow these basic precautions:

- Read all instructions before using the appliance.
- Plug into a grounded 3-prong outlet; do not remove the grounding prong.
- Do not use an adapter or extension cord.
- Do not operate any appliance with a damaged cord or plug.
- Do not block air openings.
- Do not use near water.
- Always use two or more people to lift and install the unit.
- Ensure the unit is securely installed according to installation instructions.

3. Product Features

- **Cooling Capacity:** 18,500 BTU (7.7A) for effective cooling.
- **Heating Capacity:** 16,000 BTU (20.0A) for supplemental heating.

- **Voltage:** Operates on 208/230V/60Hz input voltage.
- **Coverage Area:** Suitable for rooms between 700-1000 sq. ft.
- **Energy Efficiency:** EER 10.7 power saving mode.
- **Operating Modes:** Features 4 distinct operating modes.
- **Airflow Control:** Equipped with 4-way air directional blinds.
- **Convenience:** Includes a remote control for easy operation.
- **Installation:** Comes with necessary installation hardware and weather seals.

4. Setup and Installation

The Koldfront WAC18001W is designed for window installation. Ensure your window meets the following dimensions:

- **Window Width:** 31-42 inches
- **Minimum Window Height:** 19.5 inches

Always use two or more people when lifting and installing the unit due to its weight (approximately 117.5 pounds). The unit should be installed in a window opening, and the case should be secured before sliding the main unit into place. Refer to the detailed installation guide provided with your product for step-by-step instructions.

The Koldfront WAC18001W air conditioner properly installed in a window, showing the side panels extended to fit the window frame.

A diagram illustrating the dimensions of the Koldfront WAC18001W unit: 17.88 inches high, 23.63 inches deep, and 25.38 inches wide.

The unit comes with a 6.5-ft. power cord with an LCDI plug. Ensure you have a compatible 208/230V/60Hz grounded outlet available for connection.

A detailed view of the power cord and its LCDI plug, which includes reset and test buttons for safety.

5. Operating Instructions

Your Koldfront WAC18001W air conditioner can be operated using the control panel on the unit or the included remote control. The control panel features a digital display and various buttons for mode selection, fan speed, and temperature adjustment.

A close-up of the unit's control panel, showing buttons for Energy Saver, Temp/Timer, Sleep, Check Filter, Mode (Auto, Cool, Dry, Heat, Fan), Fan Speed (Auto, Low, Med, High), and On/Off.

Operating Modes:

- **Cool Mode:** Provides cooling to lower room temperature.
- **Heat Mode:** Provides supplemental heating to raise room temperature.
- **Fan Mode:** Circulates air without cooling or heating.
- **Dry Mode:** Dehumidifies the room.
- **Auto Mode:** Automatically selects cooling or heating based on the set temperature.

Fan Speeds:

- **Low, Medium, High:** Manually select desired fan intensity.
- **Auto:** Fan speed adjusts automatically based on cooling/heating needs.

Special Features:

- **Energy Saver Mode:** Optimizes operation to reduce energy consumption.
- **Sleep Mode:** Adjusts temperature and fan speed for comfortable sleep and energy savings.
- **Timer:** Program the unit to turn on or off at specific times.

The remote control allows you to adjust all settings from a distance, providing convenience and ease of use.

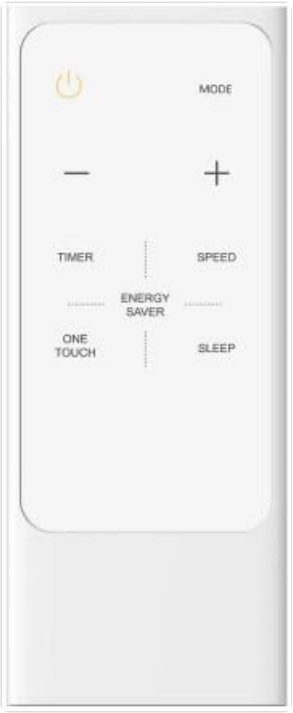
The remote control for the Koldfront WAC18001W, featuring buttons for power, mode, fan speed, temperature adjustment, timer, energy saver, and sleep functions.

6. Maintenance

Regular maintenance ensures optimal performance and longevity of your air conditioner. The 'Check Filter' indicator on the control panel will illuminate when the air filter needs cleaning.

Cleaning the Air Filter:

1. Turn off the unit and unplug it from the power outlet.
2. Open the front panel of the unit.
3. Carefully remove the air filter.
4. Wash the filter with warm, soapy water. Rinse thoroughly.
5. Allow the filter to air dry completely before reinserting it.
6. Close the front panel and plug the unit back in.



A view of the air filter being accessed from the front of the Koldfront WAC18001W unit, located behind the main grille.

Periodically clean the exterior of the unit with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.

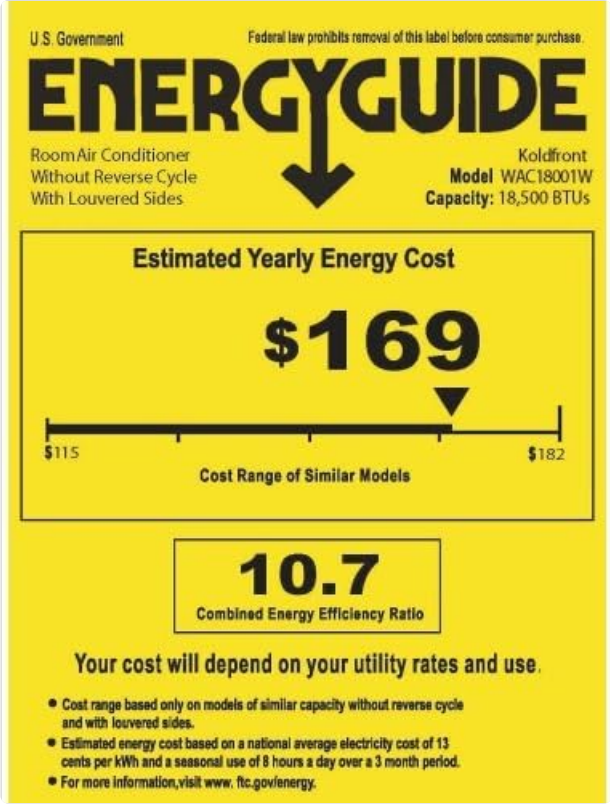
7. Troubleshooting

If your air conditioner is not operating correctly, check the following common issues before contacting customer support:

- **Unit does not turn on:** Ensure the power cord is securely plugged in and the circuit breaker has not tripped. Check the LCDI plug for a tripped reset button.
- **Unit is not cooling/heating effectively:** Verify that the air filter is clean and not obstructed. Ensure windows and doors are closed. Check if the temperature setting is appropriate for the desired room temperature.
- **Unusual noise:** Some operational noise is normal. If the noise is excessive or unusual, ensure the unit is installed securely and not vibrating against the window frame.
- **Water dripping:** Small amounts of water dripping from the outdoor side are normal during cooling. If water is dripping indoors, check for proper tilt during installation.

8. Specifications

Feature	Detail
Model Number	WAC18001W
Cooling Power	18,500 BTU
Heating Power	16,000 BTU
Input Voltage	208/230V/60Hz
Coverage Area	700-1000 sq. ft.
EER (Energy Efficiency Ratio)	10.7
Product Dimensions (W x D x H)	25.38 x 23.63 x 17.88 inches
Item Weight	117.5 pounds
Refrigerant	R 410A
Form Factor	Window
Special Feature	Sleep Mode



The official Energy Guide label for the Koldfront WAC18001W, indicating an estimated yearly energy cost of $169 and a Combined Energy Efficiency Ratio (EER) of 10.7.

9. Warranty and Customer Support

For warranty information or technical support, please refer to the warranty card included with your product or contact Koldfront customer service directly. Contact details can typically be found on the manufacturer's official website or in the product packaging.

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