ZAFRO NPLH5A-06C/X1E

ZAFRO 8,000 BTU Portable Air Conditioner User Manual

Model: NPLH5A-06C/X1E

1. Product Overview

The ZAFRO 8,000 BTU portable air conditioner is designed to provide efficient cooling, dehumidification, and air circulation for indoor spaces. This versatile unit features four distinct operating modes: Cool, Dehumidifier, Fan, and Sleep, catering to various comfort needs. It is suitable for rooms up to 350 sq.ft and operates with a low noise level of 52 dB, ensuring a quiet environment. The unit includes an intuitive LED panel and remote control for easy operation, along with a 24-hour timer for energy management.



Figure 1: ZAFRO 8,000 BTU Portable Air Conditioner and included components.



Figure 2: Key product details including 4 rolling casters, built-in handles, 4 adjustable fan blades, and 2 drainage holes.

2. Safety Information

Please read all safety instructions carefully before operating the appliance. Failure to follow these instructions may result in electric shock, fire, or personal injury.

- Ensure the unit is placed on a stable, level surface.
- Do not block air inlets or outlets. Maintain at least 20 inches of clearance around the unit.
- Always ensure the unit is in an **upright position for at least 4 hours** before initial use or after transport to allow the refrigerant to settle.
- Do not operate the unit with a damaged cord or plug.
- Keep children and pets away from the unit during operation.
- Unplug the unit before cleaning or performing any maintenance.
- Properly drain accumulated water to prevent overflow.

3. Package Contents

Verify that all components are present in the package:



Figure 3: All components included in the ZAFRO portable AC package.

1. Portable Air Conditioner Unit
2. Window Kit (Adjustable panels for horizontal and vertical windows)
3. Exhaust Hose (Length: 0.35-1.5m)
4. Hose Connector
5. Window Kit Adapter
6. User Manual
7. Remote Control (Batteries included)
8. Water Pipe (Length: 0.6m)

4. Setup & Installation

Follow these steps for proper installation:

4.1 Initial Placement

- Place the unit on a flat, stable floor.
- Ensure the unit has been standing upright for at least 4 hours before plugging it in.
- Position the unit near a window for exhaust hose installation.

4.2 Exhaust Hose Assembly

1. Screw the hose connector onto one end of the exhaust hose.
2. Attach the window kit adapter to the other end of the exhaust hose.
3. Connect the hose connector to the exhaust outlet on the back of the air conditioner unit.

Match the Correct Cooling Capacity for Your Home



Capacity needed (Ashrae)	Capacity needed (DOF)	Maximum area	Optimum usable area
8K BTU	5K BTU	350 Sq.Ft	150 Sq.Ft
10K BTU	6K BTU	450 Sq.Ft	200 Sq.Ft
12K BTU	8K BTU	550 Sq.Ft	300 Sq.Ft
14K BTU	10K BTU	750 Sq.Ft	400 Sq.Ft

Adjustment as necessary

Make any adjustments for the following circumstance:

I. If the room is heavily shaded, reduce capacity by 10%.
II. If the room is very sunny, increase capacity by 10%.
III. If more than two people regularly occupy the room, add 1000BTUs for each additionalperson.

Figure 4: Retractable exhaust hose for air expulsion.

4.3 Window Kit Installation

The window sealing kit is designed for both horizontal and vertical sliding windows.

1. Adjust the window kit panels to fit your window opening. Secure them with the provided screw.
2. Insert the window kit adapter (attached to the exhaust hose) into the opening of the window kit.
3. Close the window securely against the kit to create a seal.



Figure 5: Window kit installation for horizontal and vertical windows.

4.4 Cooling Capacity Guidance

Refer to the table below to determine the appropriate cooling capacity for your room size. Adjustments may be necessary based on room conditions.

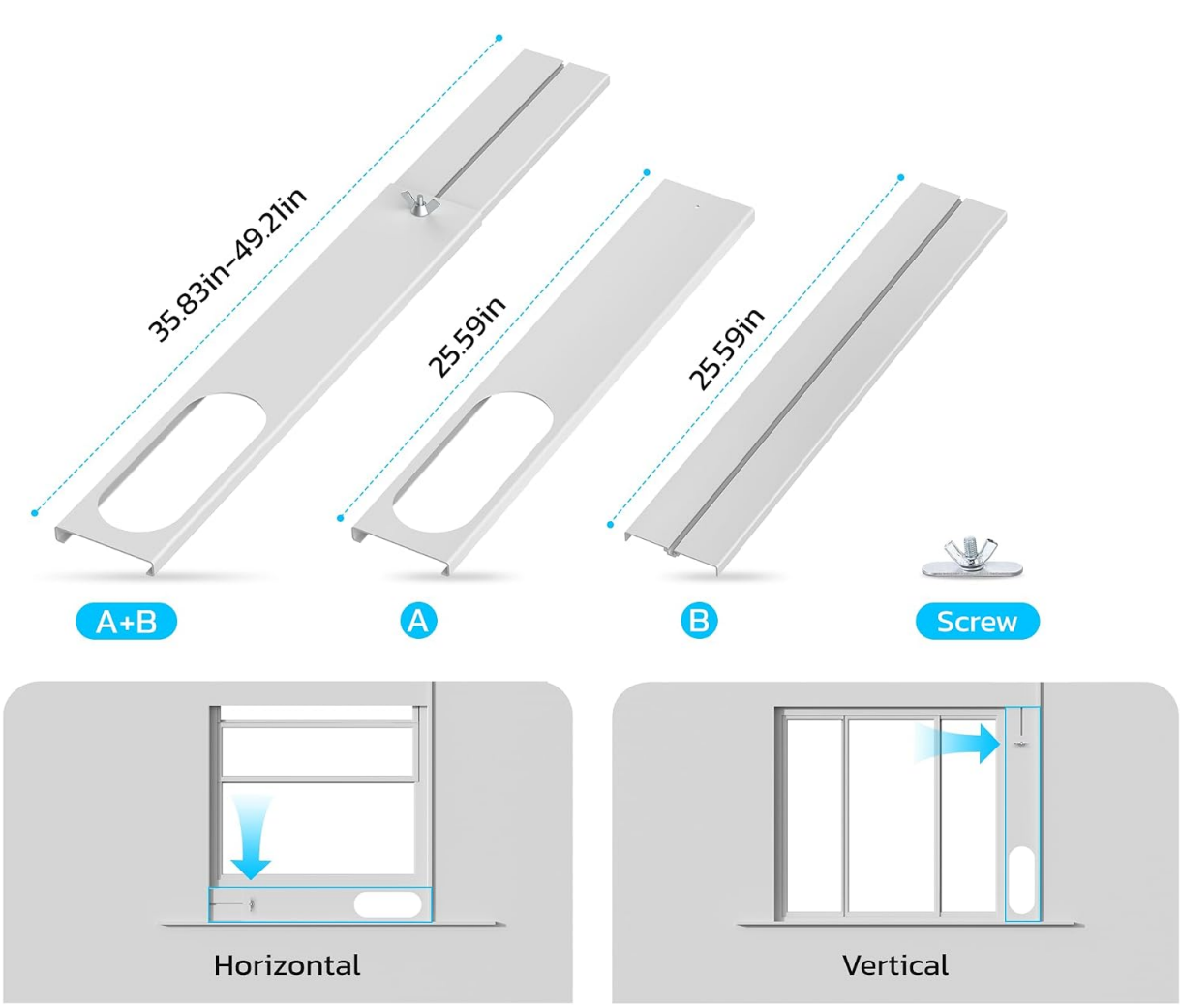


Figure 6: Cooling capacity recommendations based on room size.

- If the room is heavily shaded, reduce capacity by 10%.
- If the room is very sunny, increase capacity by 10%.
- If more than two people regularly occupy the room, add 1000 BTUs for each additional person.

5. Operating Modes & Controls

The ZAFRO portable AC unit offers four primary operating modes, accessible via the LED control panel or the remote control.



Figure 7: Four operating modes of the ZAFRO portable AC.

5.1 Control Panel and Remote Control

The unit features an intuitive LED display and a remote control for convenient operation.



Figure 8: LED control panel and remote control.

5.2 Mode Descriptions

- **Cool Mode:** Provides powerful cooling for your room. Set your desired temperature using the up/down arrows.
- **Dehumidifier Mode:** Reduces indoor humidity by removing up to 90 pints of moisture per day. The fan operates at a fixed low speed in this mode.
- **Fan Mode:** Circulates air without cooling. Choose between low and high fan speeds. Features a 75° oscillation for wider air distribution.
- **Sleep Mode:** Designed for quiet operation during sleep. The unit will gradually increase the set temperature by 1°F after 30 minutes, and another 1°F after an additional 30 minutes, then maintain this temperature for 7 hours before returning to the original setting.

5.3 Timer Function

The 24-hour timer allows you to program the unit to turn on or off automatically, helping to save energy. Press the Timer button and use the up/down arrows to set the desired time.

6. Maintenance

Regular maintenance ensures optimal performance and longevity of your air conditioner.

6.1 Air Filter Cleaning

- The air filter should be cleaned every two weeks or more frequently depending on usage and air quality.
- Remove the filter from the back of the unit.
- Wash the filter with warm, soapy water. Rinse thoroughly and allow it to air dry completely before reinserting.

6.2 Water Drainage

The unit has a built-in dehumidifier function that collects moisture. While the unit is designed to minimize the need for frequent draining by evaporating some moisture, manual drainage may be required in high humidity conditions or when the 'Water Full' indicator illuminates.

- Place a shallow pan or bucket under the drainage port at the bottom rear of the unit.
- Remove the drain plug to allow water to flow out.
- Replace the drain plug securely once drainage is complete.

6.3 Unit Cleaning

- Wipe the exterior of the unit with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Ensure the unit is unplugged before cleaning.

7. Troubleshooting

Before contacting customer support, please refer to the following common issues and solutions:

Problem	Possible Cause	Solution
Unit does not turn on	No power supply; Power cord not plugged in; Circuit breaker tripped.	Check power outlet; Plug in power cord securely; Reset circuit breaker.
Unit not cooling effectively	Air filter dirty; Room too large; Doors/windows open; Exhaust hose not properly installed.	Clean air filter; Ensure room size is within specifications; Close all doors/windows; Check exhaust hose connection and window seal.
Water Full indicator is on	Water tank is full.	Drain the water from the unit.
Unit is noisy	Unit not on a level surface; Fan speed too high.	Place unit on a level surface; Reduce fan speed if possible.

8. Specifications

Feature	Detail
Brand	ZAFRO
Model Number	NPLH5A-06C/X1E
Cooling Power	8,000 BTU
Floor Area Coverage	Up to 350 sq.ft
Product Dimensions (D x W x H)	13.39" x 27.17" x 11.81"
Item Weight	41 pounds
Noise Level	52 dB
Voltage	115 Volts

Feature	Detail
Dehumidification Capacity	Up to 90 pints/day
Included Components	Remote control, installation kits, user manual

9. Warranty & Support

The ZAFRO 8,000 BTU Portable Air Conditioner comes with a **1-year manufacturer's warranty**.

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact ZAFRO customer support. Refer to the contact information provided on the product packaging or the official ZAFRO website.