

## ARCTIC WIND 2AWH8000A

# Artic Wind 115V 8,000 BTU Digital Window Air Conditioner & Heater

Model: 2AWH8000A

## 1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Artic Wind 115V 8,000 BTU Digital Window Air Conditioner & Heater. This versatile 4-in-1 unit offers cooling, heating, dehumidification, and fan modes, designed to provide comfort in small to medium-sized rooms up to 350 square feet. Please read this manual thoroughly before using the appliance and retain it for future reference. Your unit features digital controls with an easy-to-read LED display, a full-function remote control with a built-in thermostat, and an ECO mode for energy efficiency. It also includes special features such as auto restart, sleep mode, and a built-in timer for convenient operation.

## 2. SAFETY INFORMATION

**WARNING: To reduce the risk of fire, electric shock, or injury to persons, read the following important safety instructions before operating this appliance.**

- Always plug the unit into a grounded 3-prong outlet. Do not remove the grounding prong.
- Do not use an adapter or extension cord.
- Do not operate the unit with a damaged cord or plug.
- Do not block air openings.
- Do not insert fingers or foreign objects into the air discharge area.
- Unplug the unit before cleaning or servicing.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- **Proposition 65 Warning:** This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## 3. PRODUCT FEATURES

- **4-in-1 Functionality:** Provides 8,000 BTU cooling, 4,000 BTU heating, dehumidification, and fan-only modes for year-round comfort.
- **Digital Controls:** User-friendly LED digital display and controls for easy programming.

- **Remote Control:** Full-function remote with a built-in thermostat for convenient operation from anywhere in the room.
- **ECO Mode:** Energy-saving mode that cycles the unit on/off to maintain the desired temperature, reducing energy consumption.
- **Special Features:** Auto restart, sleep mode, and a programmable 24-hour timer.
- **Washable Filter:** Easy-to-clean mesh filter for simple maintenance and improved air quality.
- **Adjustable Air Direction:** Full-range air direction control to direct airflow where needed.

## 4. SETUP AND INSTALLATION

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The Artic Wind window air conditioner is designed for easy installation in standard double-hung windows. A mounting kit is included with your unit.

### 4.1 Unit Dimensions and Window Requirements

Before installation, ensure your window meets the following requirements:

- **Unit Dimensions:** 24" (Depth) x 20" (Width) x 15.25" (Height)
- **Window Width:** Minimum 26" to Maximum 36"
- **Window Height:** Minimum 16"

# DIMENSIONS



115V  
15 AMP

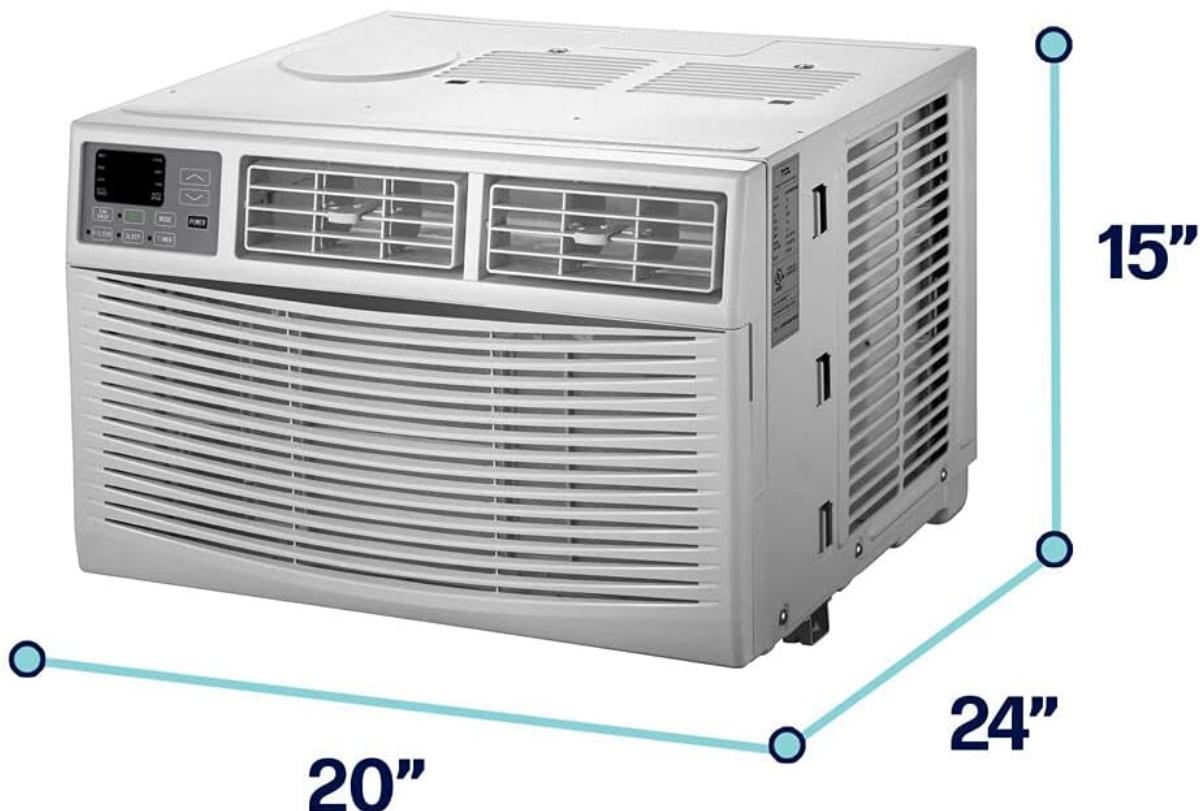


Figure 4.1: Unit Dimensions. The unit measures approximately 20 inches in width, 15.25 inches in height, and 24 inches in depth. It operates on 115V, 15 AMP power.

## 4.2 Installation Steps (General Overview)

1. Prepare the window opening by cleaning the area and ensuring it is structurally sound.
2. Attach the top mounting rail to the unit.
3. Install the accordion panels (side curtains) to the unit.
4. Carefully place the unit into the window opening, ensuring it is securely seated and tilted slightly outwards for proper drainage.
5. Extend the accordion panels to fill the window opening and secure them with screws.
6. Install the window sash seal and lock to prevent air leakage and provide security.
7. Plug the unit into a grounded 115V, 15 AMP electrical outlet.

**MAXIMUM**

**COMFORT**



**Adjustable fins cool in any direction**



**Convenient remote control**



**Cools up to 350 sq. ft.**



Figure 4.2: Installed Unit. The image shows the air conditioner installed in a window, highlighting its ability to provide maximum comfort with adjustable fins, convenient remote control, and effective cooling for areas up to 350 square feet.



Figure 4.3: Side View of Unit. This image provides a side perspective of the air conditioner, illustrating its design and the placement of side vents for air intake and exhaust.

### 4.3 Determining Cooling Capacity

Use the following table to determine the appropriate cooling capacity (BTU) for your room size. Adjustments may be necessary based on specific room conditions.

## **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.

<b>Area to be cooled (SQ. FT.)</b>	<b>Capacity Needed (BTU)</b>
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.

Figure 4.4: Cooling Capacity Chart. This chart helps determine the correct cooling capacity (BTU) needed based on the area of the room in square feet, with adjustments for factors like sun exposure, number of occupants, and room usage.

### **Cooling Capacity Guide**

<b>Area to be Cooled (Sq. Ft.)</b>	<b>Capacity Needed (BTU)</b>
UP TO 150 SQ. FT.	5,000

Area to be Cooled (Sq. Ft.)	Capacity Needed (BTU)
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

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## **5. OPERATING INSTRUCTIONS**

Your Artic Wind AC unit can be controlled using the digital control panel on the unit or the included remote control.

### **5.1 Control Panel Overview**



Figure 5.1: Digital Control Panel. The control panel features an LED display for temperature and mode, along with buttons for Fan Speed, ECO mode, Mode selection (Cool, Heat, Fan, Dry), Power, Filter reset, Sleep mode, and Timer settings.

## 5.2 Remote Control Overview



Figure 5.2: Remote Control. The remote allows full control of the unit's functions, including power, mode selection, temperature adjustment, fan speed, ECO mode, Turbo mode, display settings, IFeel function, and timer.

### 5.3 Operating Modes

- **Cool Mode:** Provides cooling. Adjust temperature using the up/down arrows.
- **Heat Mode:** Provides heating. Adjust temperature using the up/down arrows.
- **Dry (Dehumidify) Mode:** Reduces humidity in the room. Fan speed is automatically controlled.
- **Fan Mode:** Circulates air without cooling or heating. Select fan speed (Low, Medium, High).
- **ECO Mode:** When activated, the unit will run until the desired temperature is reached, then cycle off. It will cycle back on when the room temperature rises above the set point, saving energy.

- **Sleep Mode:** Gradually increases the set temperature over several hours to save energy and provide comfortable sleeping conditions.

## 5.4 Timer Function

The 24-hour timer allows you to program the unit to turn on or off automatically at a set time. This is useful for pre-cooling or pre-heating a room before you arrive home.

## 6. MAINTENANCE

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

### 6.1 Cleaning the Washable Filter

The unit features an easy-to-clean washable mesh filter. A 'Filter' indicator light on the control panel will illuminate when it's time to clean the filter.

1. **Unplug the unit** from the power outlet before cleaning.
2. Open the front panel and carefully slide out the air filter.
3. Wash the filter with warm, soapy water. Rinse thoroughly.
4. Allow the filter to air dry completely before reinserting it. Do not use hot water or dry with direct heat.
5. Once the filter is reinserted, press the 'Filter' button on the control panel to reset the indicator light.

### 6.2 General Cleaning

- Clean the cabinet with a soft, damp cloth. Do not use harsh cleaners or abrasive materials.
- Periodically check the outdoor coils for dirt and debris. If necessary, gently clean with a soft brush.

## 7. TROUBLESHOOTING

If your unit is not operating correctly, consult the following common issues and solutions before contacting customer support.

### Troubleshooting Guide

Problem	Possible Cause	Solution
Unit does not turn on	No power; circuit breaker tripped; unit unplugged; fuse blown.	Check power cord connection; reset circuit breaker; check house fuse; press the reset button on the power plug if applicable.
Unit not cooling/heating effectively	Dirty air filter; blocked air intake/exhaust; room too large; windows/doors open; temperature setting too high/low.	Clean air filter; ensure clear airflow; close windows/doors; adjust temperature setting; verify unit BTU matches room size.
Unusual noise	Loose parts; unit not level; fan hitting an obstruction.	Check for loose screws; ensure unit is level; inspect fan for obstructions (unplug first).
Water dripping inside	Unit not tilted properly; drain pan clogged.	Ensure unit is slightly tilted outwards; clear any obstructions from the drain pan.
Remote control not working	Dead batteries; obstruction between remote and unit.	Replace batteries; remove any obstructions.

## 8. SPECIFICATIONS

### Product Specifications

Specification	Value
Model Name	8,000 BTU Window Air Conditioner with Heat
Model Number	2AWH8000A
Brand	ARCTIC WIND
Cooling Power	8000 British Thermal Units
Heating Power	4000 British Thermal Units
Voltage	115 Volts
Power Source	Electric
Floor Area Coverage	Up to 350 Square Feet
Product Dimensions (D x W x H)	24" x 20" x 15.25"
Item Weight	69.5 pounds
Seasonal Energy Efficiency Ratio (SEER)	11.2
Refrigerant	R-410A
Included Components	Air Conditioner, Manual, Warranty, Remote, Batteries, Window Kit

## 9. WARRANTY AND SUPPORT

### 9.1 Warranty Information

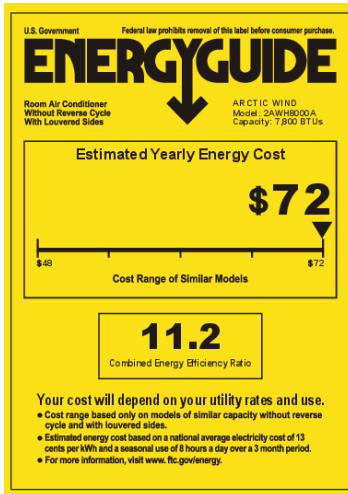
This Artic Wind air conditioner comes with a **1-year limited warranty** from the date of purchase. This warranty covers defects in material and workmanship under normal use. Please retain your proof of purchase for warranty claims.

For specific warranty terms and conditions, refer to the warranty document included with your product or contact Artic Wind customer service.

### 9.2 Customer Support

If you have any questions, require technical assistance, or need to make a warranty claim, please contact Artic Wind customer support. Contact information can typically be found on the product packaging, the included manual, or the manufacturer's official website.

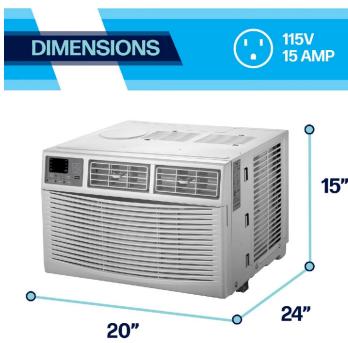
When contacting support, please have your model number (2AWH8000A) and proof of purchase readily available.



### [Arctic Wind 2AWH8000A Room Air Conditioner Energy Guide](#)

EnergyGuide label for the Arctic Wind 2AWH8000A room air conditioner, detailing its estimated yearly energy cost, energy efficiency ratio, and cost range compared to similar models.

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### [\[pdf\] Guide](#)

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### [\[pdf\] User Manual Owner's Manual Instructions Catalog](#)

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