

## Keystone KSTAW242WA

# Keystone 24,000 BTU 230V Window Mounted Inverter Air Conditioner

Model: KSTAW242WA

Brand: Keystone

## IMPORTANT SAFETY INFORMATION

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Read all instructions before using this appliance. Failure to follow these instructions may result in property damage, personal injury, or death. Keep this manual for future reference.

- Always plug the unit into a grounded 230V/25AMP outlet. Do not use extension cords or adapter plugs.
- Do not operate the unit with a damaged power cord or plug.
- Ensure the unit is securely installed in a window opening according to the installation instructions.
- Do not block air inlets or outlets.
- Unplug the unit before cleaning or performing any maintenance.
- This unit is not intended as a primary heat source. Heat mode will not operate when the outdoor temperature is below 41°F (5°C) and will display 'LO'.

## PRODUCT OVERVIEW

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The Keystone 24,000 BTU 230V Window Mounted Inverter Air Conditioner provides efficient cooling and dehumidification for large rooms up to 1500 square feet. Featuring Inverter technology, it

optimizes motor speed for precise temperature control and is 23% more energy-efficient than standard window units. Enjoy quiet operation and convenient features like a remote control, Energy Saver mode, Sleep mode, and a 24-hour programmable timer.



Figure 1: Keystone 24,000 BTU Window Mounted Inverter Air Conditioner, front view.

## 3-IN-1 TECHNOLOGY



### POWERFUL COOLING

24,000 BTU - 1,500 Sq. Ft.



### DEHUMIDIFICATION

3.51 Pints per Hour



### AIR FLOW

3 Fan Speeds



Figure 2: The unit offers 3-in-1 technology for powerful cooling, dehumidification, and adjustable air flow.

### Key Features:

- **Cooling Power:** 24,000 BTUs for rooms up to 1500 sq. ft. with 3 fan speeds.
- **Dehumidification:** Removes up to 3.51 pints per hour.
- **Inverter Technology:** Controls motor speed for precise temperature and 23% higher energy efficiency.
- **FlashCool Function:** Engages maximum cooling and highest fan speed for rapid cooling.
- **Washable Filter:** Easy to remove and clean, with a convenient Check Filter alert.
- **Convenience Features:** Eco mode, Sleep mode, and a programmable 24-hour timer.
- **Quiet Operation:** Inverter technology ensures a quieter unit.

### PACKAGE CONTENTS

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Verify that all items are present in the package:

- Keystone 24,000 BTU Window Mounted Inverter Air Conditioner Unit
- Window Installation Kit
- Remote Control
- Batteries for Remote Control
- User Manual (this document)
- Warranty Information

## SETUP & INSTALLATION

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Proper installation is crucial for optimal performance and safety. Follow these steps carefully.

### Window Requirements:

- **Window Opening Minimum Width:** 25.39 Inches
- **Window Opening Maximum Width:** 40.5 Inches
- **Window Opening Minimum Height:** 18.5 Inches
- **Window Opening Maximum Height:** 28 Inches

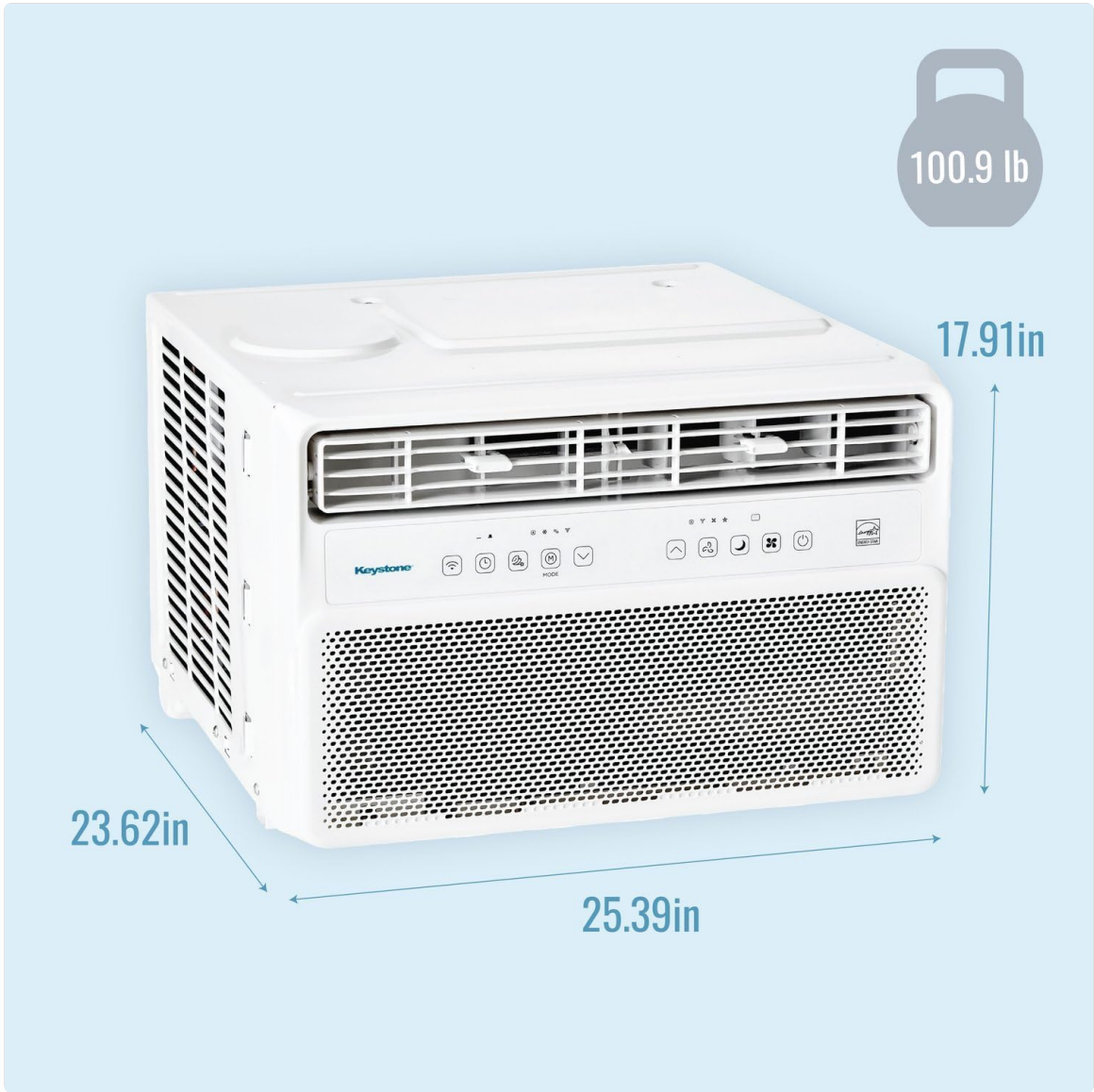


Figure 3: Unit dimensions (23.62"D x 25.39"W x 17.91"H) and weight (100.97 lbs).



Figure 4: The unit comes with an easy installation window kit for compatible window widths.

### Electrical Requirements:

- **Voltage:** 230 Volts
- **Plug Type:** LCDI 6-20P Plug (Standard 230-Volt/25AMP)
- **Cable Length:** 6.5 FT. LCDI



Figure 5: The unit requires a 230V/25AMP outlet with an LCDI 6-20P plug.

### Installation Steps:

1. Prepare the window opening by ensuring it meets the specified dimensions.
2. Attach the window installation kit panels to the sides of the air conditioner unit.
3. Carefully lift and place the air conditioner unit into the window opening. Ensure it is level or slightly tilted outwards for proper drainage.
4. Extend the side panels to fill the window gap and secure them with screws as instructed in the detailed installation guide (refer to the included manual for specific screw placement).
5. Lower the window sash to rest against the top of the unit.
6. Secure the unit to the window frame using the provided brackets and screws to prevent accidental dislodging.
7. Plug the unit into a dedicated 230V/25AMP grounded outlet.

### Video: Keystone 24000 Window AC Overview

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This video provides a general overview of the Keystone 24000 BTU Window AC unit, including its design and features relevant to setup.

## OPERATING INSTRUCTIONS

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Familiarize yourself with the control panel and remote control for optimal use of your air conditioner.

### Control Panel:

The unit features a sleek control panel with touch buttons and a digital display that shows the current temperature and settings when plugged in.



Figure 6: The control panel offers various settings for energy efficiency and quiet operation.

### Operating Modes:

- **Cool Mode:** Provides powerful cooling to reach your desired temperature.
- **Dehumidify Mode:** Reduces humidity in the room without significant cooling.
- **Fan Mode:** Circulates air without cooling or heating. Choose from 3 fan speeds.
- **Eco Mode:** Saves energy by cycling the compressor on and off to maintain the set temperature.
- **Sleep Mode:** Gradually increases the set temperature over time to save energy and provide comfortable sleeping conditions.
- **FlashCool Function:** Activates maximum cooling and the highest fan speed for rapid

temperature reduction. Press the dedicated button on the remote or control panel.

### **Adjusting Air Flow:**

The unit features adjustable directional flow vents. Manually adjust the louvers to direct the cool air where it's needed most.

### **24-Hour Programmable Timer:**

Set the unit to turn on or off automatically at specific times within a 24-hour period to suit your schedule and save energy.

### **Video: Looking at Functions**

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This video demonstrates the various functions and controls of the Keystone Inverter Air Conditioner.

## **MAINTENANCE**

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Regular maintenance ensures efficient operation and extends the lifespan of your air conditioner.

### **Cleaning the Washable Filter:**

The unit is equipped with a washable mesh filter. A 'Check Filter' alert will notify you when it's time to clean the filter.

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



Figure 7: The washable filter can be easily removed and cleaned under running water.

### General Cleaning:

- Wipe the exterior of the unit with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Ensure the air intake and exhaust vents are free from dust and debris.

## TROUBLESHOOTING

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If you encounter issues with your air conditioner, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
Unit does not turn on	No power; tripped circuit breaker; unit unplugged.	Check power connection, reset circuit breaker, ensure unit is plugged in securely.

Problem	Possible Cause	Solution
Insufficient cooling	Dirty air filter; blocked air vents; room too large; doors/windows open.	Clean air filter; clear obstructions; ensure room size is within unit capacity; close doors/windows.
Unit is noisy	Loose parts; unit not level; normal operating sounds.	Check for loose parts and tighten; ensure unit is level; some operational sounds are normal.
Water leakage	Unit not tilted slightly outwards; clogged drain.	Adjust unit tilt; clear any drain obstructions.
Remote control not working	Dead batteries; obstruction between remote and unit.	Replace batteries; remove any obstructions.

## SPECIFICATIONS

Feature	Detail
Brand	Keystone
Model Number	KSTAW242WA
Cooling Power	24,000 British Thermal Units (BTU)
Capacity	2 Tons
Voltage	230 Volts
Wattage	2630 watts
Seasonal Energy Efficiency Ratio (SEER)	13.3
Noise Level	56 Decibels
Product Dimensions (D x W x H)	23.62"D x 25.39"W x 17.91"H
Item Weight	100.97 Pounds
Recommended Floor Area	Up to 1500 Square Feet
Installation Type	Window
Refrigerant	R-32
Filter Type	Washable
Control Method	Remote Control, Touch Control

Feature	Detail
Special Features	Filter Light Reminder, Remote Controlled, Inverter Technology
UPC	840148732971

## WARRANTY & SUPPORT

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### Warranty Information:

This Keystone air conditioner comes with a **1-year limited warranty**. Please refer to the included warranty documentation for full terms and conditions, including coverage details and how to make a claim.

### Customer Support:

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact Keystone customer support. Contact information can typically be found on the product packaging, the official Keystone website, or the warranty card included with your purchase.