

Dreo AC515S

Dreo Portable Air Conditioner AC515S 12,000 BTU User Manual

Model: AC515S

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Dreo Portable Air Conditioner AC515S. Please read it thoroughly before use and retain it for future reference.



Figure 1.1: Dreo Portable Air Conditioner AC515S, showcasing the unit, remote control, and mobile application interface.

2. SAFETY INSTRUCTIONS

To reduce the risk of fire, electric shock, or injury, observe the following safety precautions:

- Always plug the unit into a grounded 3-prong outlet. Do not remove the grounding prong.
- Do not operate the unit with a damaged power cord or plug.
- Ensure the unit is placed on a stable, level surface.
- Keep the air intake and exhaust vents clear of obstructions.
- Do not insert objects into the air vents.

- Unplug the unit before cleaning or servicing.
- Do not use the unit near water or in excessively humid environments.
- 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.

3. PACKAGE CONTENTS

Verify that all components are present and in good condition:

- Dreo Portable Air Conditioner AC515S
- Remote Control
- Window Mount Kit (includes various panels for adjustment)
- Drain Hose
- User Manual (this document)

4. PRODUCT OVERVIEW

Familiarize yourself with the main components and features of your air conditioner.

DREO | Air Conditioner Series AC515S

28.13"

■ Height

17.32"

■ Width

14.37"

■ Length

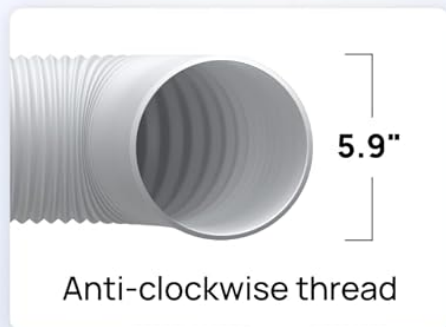


Figure 4.1: Product Dimensions and Exhaust Hose Details. The unit measures 28.13 inches in height, 17.32 inches in width, and 14.37 inches in length. The exhaust hose has an anti-clockwise thread and is extendable from 12.9 inches to 59 inches.

More Features

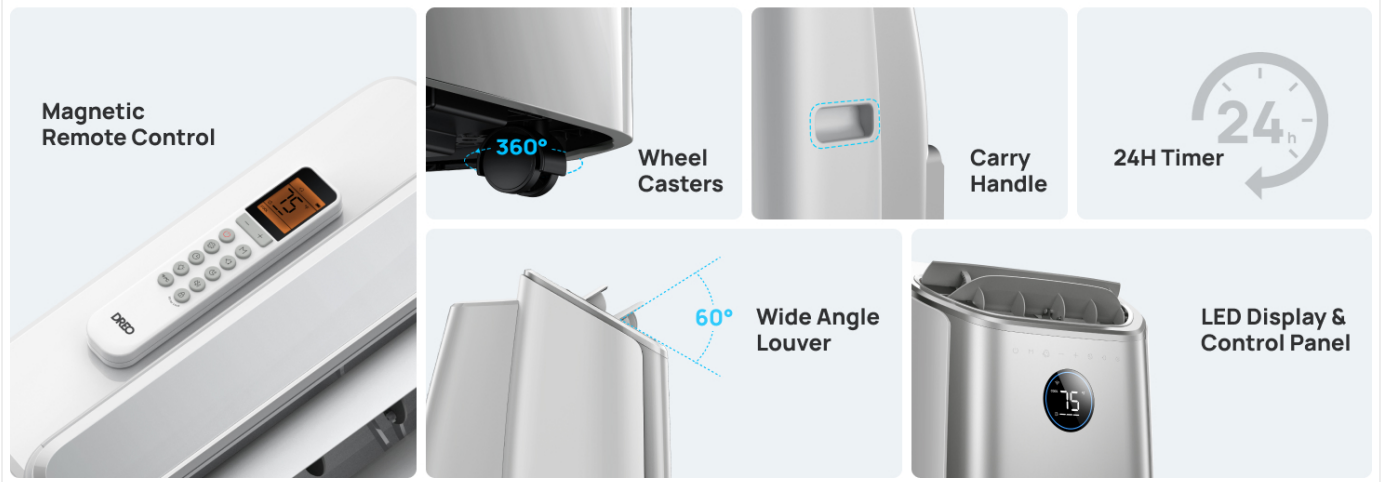


Figure 4.2: Key Features. The unit includes a magnetic remote control, 360-degree wheel casters for easy movement, a convenient carry handle, a 24-hour timer function, a 60-degree wide-angle louver for air distribution, and an intuitive LED display and control panel.

5. SETUP AND INSTALLATION

Proper installation is crucial for optimal performance. Follow these steps:

5.1 Window Kit Installation

The included window kit is designed for various window types and sizes, allowing for both horizontal and vertical installations.

1. Measure your window opening to determine which window panel combination (A, B, C, D) is suitable.
2. Assemble the window panels to fit your window frame.
3. Secure the assembled window panels in your window opening.
4. Attach the exhaust hose to the unit and then to the window kit adapter. Ensure a tight seal to prevent air leakage.

Simplified Installation.

No more "Cut-to-fit"

For Large

A+B+C+D (46"-53")

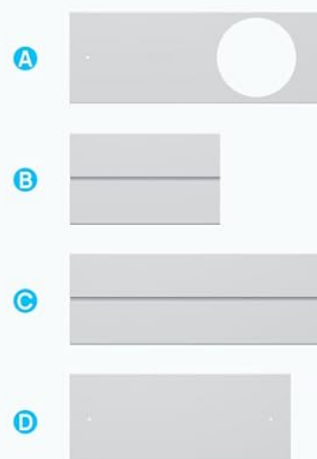


For Small

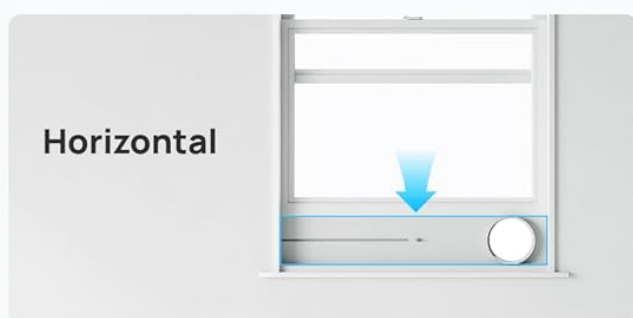
A+B (18.1"-24.8")



Re-sizable Panels Multiple Combinations



Horizontal



Vertical



Figure 5.1: Simplified Window Installation. The image displays various re-sizable panels (A, B, C, D) that can be combined to fit window openings from 18.1 to 53 inches. Examples show the exhaust hose installed in both horizontal and vertical sliding windows.

5.2 Unit Placement

- Place the air conditioner on a flat, stable surface.
- Ensure there is at least 20 inches (50 cm) of space around the unit for proper airflow.

- Connect the power cord to a grounded 120V outlet.

6. OPERATING INSTRUCTIONS

Your Dreo Portable Air Conditioner offers multiple modes and control options.

6.1 Control Panel and Remote Control

The unit can be operated via the integrated LED control panel or the included remote control. Refer to Figure 4.2 for button identification.

6.2 Operating Modes

The AC515S features 3-in-1 functionality:

- **Cool Mode:** Provides powerful cooling with a temperature range of 65°F to 86°F.
- **Dry Mode (Dehumidifier):** Reduces humidity levels in the room. Drainage may be required in environments with humidity above 85%.
- **Fan Mode:** Circulates air without cooling, offering 4 fan speed levels.

3-in-1 Mode. Tackle Any Scenario.



Figure 6.1: 3-in-1 Operating Modes. The unit offers Cool, Dry, and Fan modes for versatile climate control.

6.3 Smart Control (App & Voice)

The AC515S can be controlled via the Dreco App or voice commands using Amazon Alexa or Google Home.

- Download the Dreco App from your smartphone's app store.
- Follow the in-app instructions to connect your air conditioner.

- Once connected, you can adjust modes, fan speeds, set timers, and create schedules remotely.
- Integrate with Amazon Alexa or Google Home for voice control functionality.

Get Smart with Cooling

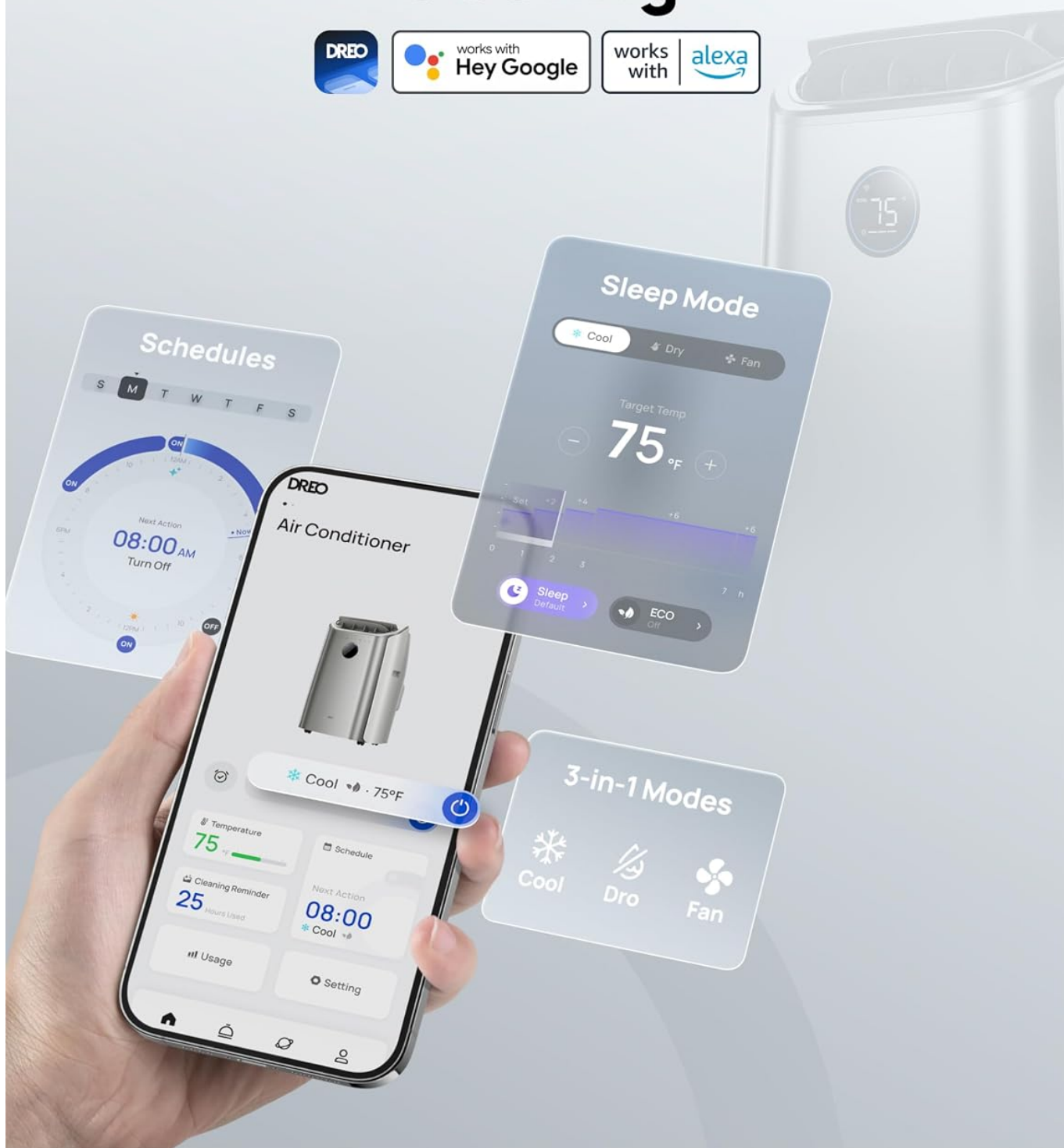


Figure 6.2: Smart Control Interface. The Dreo app allows for comprehensive control, including setting schedules, activating sleep mode, and selecting operating modes. Voice control is supported via Amazon Alexa and Google Home.

6.4 Drainage-Free Cooling

The unit features a self-evaporating system that minimizes the need for manual drainage in most cooling conditions (humidity below 85%). In high humidity environments or during Dry mode, the included drain hose should be used for continuous drainage.

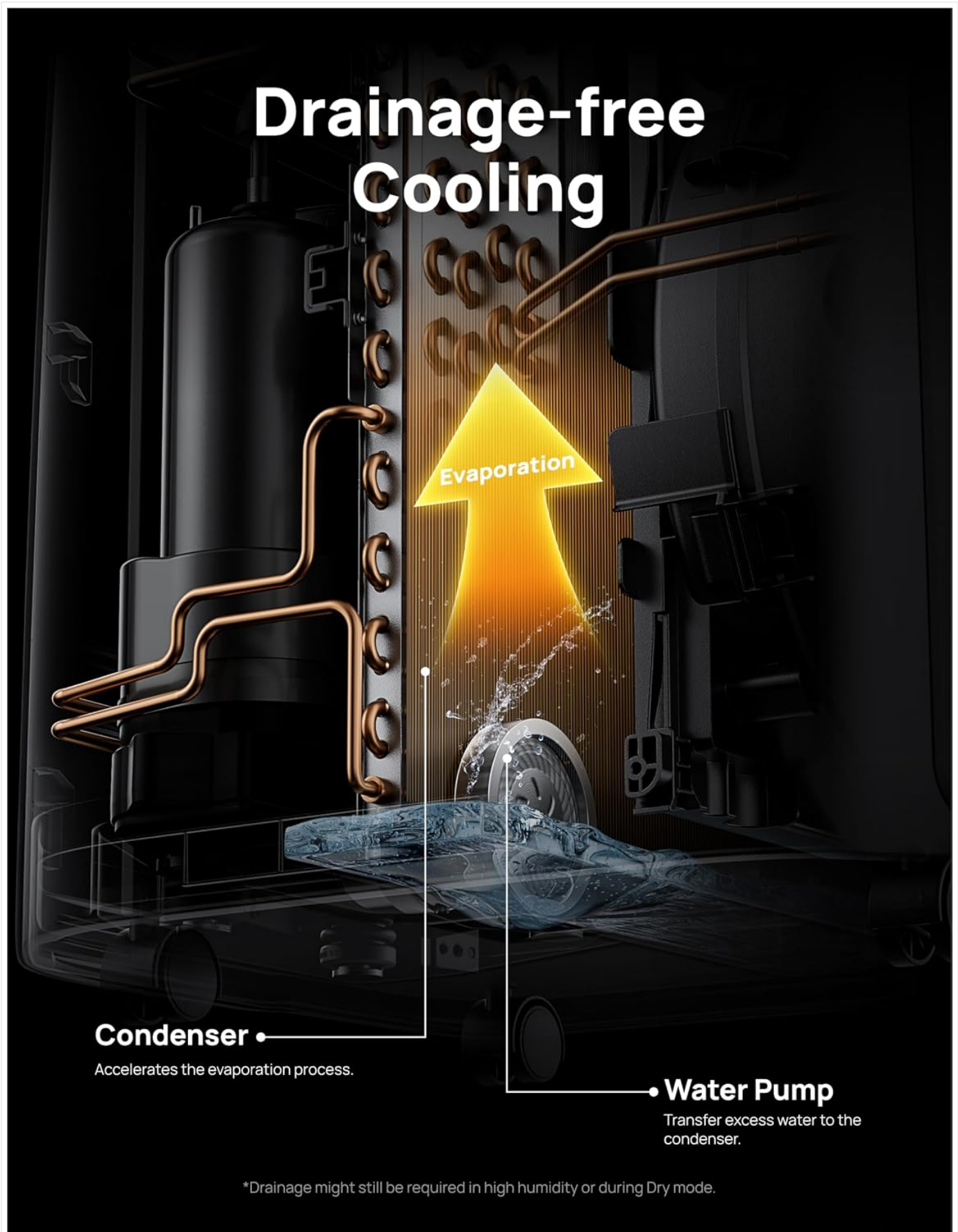


Figure 6.3: Drainage-Free System. The internal mechanism shows the condenser and water pump working together to evaporate condensed water, reducing the need for manual drainage.

7. MAINTENANCE

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

7.1 Cleaning the Air Filter

- Turn off and unplug the unit before cleaning.
- Locate and remove the air filter (refer to the product diagram for exact location).
- Clean the filter with a vacuum cleaner or wash it with warm, soapy water.
- Allow the filter to dry completely before reinserting it into the unit.
- Clean the air filter every two weeks or more frequently depending on usage and air quality.

7.2 Cleaning the Unit Exterior

- Wipe the exterior with a soft, damp cloth.
- Do not use harsh chemicals, abrasives, or solvents.

7.3 Storage

- Before storing, run the unit in Fan mode for a few hours to dry the internal components.
- Drain any accumulated water from the unit.
- Clean the air filter.
- Store the unit in a cool, dry place, covered to protect it from dust.

8. TROUBLESHOOTING

If you encounter issues, consult the following table before contacting customer support.

Problem	Possible Cause	Solution
Unit does not turn on	No power, circuit breaker tripped, power cord damaged.	Check power connection, reset circuit breaker, inspect power cord.
Insufficient cooling	Dirty air filter, blocked air vents, room too large, window kit not sealed.	Clean air filter, clear vents, ensure room size is within BTU capacity, seal window kit properly.
Unit is noisy	Unit not on a level surface, internal components vibrating.	Ensure unit is on a flat surface. Normal operating noise is 46dB.
Water leakage	Drain plug not secured, high humidity requiring continuous drainage.	Check drain plug, attach drain hose for continuous drainage if humidity is high.

9. SPECIFICATIONS

Detailed technical specifications for the Dreo Portable Air Conditioner AC515S.

Feature	Specification
Model Number	AC515S
Cooling Power (ASHRAE)	12,000 BTU
Noise Level	46 Decibels

Feature	Specification
Voltage	120 Volts
Product Dimensions (D x W x H)	14.37 x 17.32 x 28.13 inches
Item Weight	62.9 pounds
Recommended Floor Area	Up to 300 Square Feet
Special Features	Drainage-free cooling, Smart Control (App/Voice), 24h Timer, Fan & Dehumidifier modes
Included Components	Window Mount Kit & Drain Hose, Remote Control

9.1 Room Size to BTU Reference

Use this table to determine the appropriate BTU capacity for your room size.

Match Room Size to BTUs



Ashrae	DOE	Maximum area	Optimum usable area
8K BTU	5K BTU	150 SQ FT	80 SQ FT
10K BTU	6K BTU	200 SQ FT	100 SQ FT
12K BTU	8K BTU	300 SQ FT	200 SQ FT
14K BTU	10K BTU	400 SQ FT	300 SQ FT

Explanation:

- i. The BTU cooling capacity listed in the table follows ASHRAE standards.
- ii. Factors like room occupancy, sunlight exposure, and insulation can impact the required BTU capacity.
- iii. Since BTU standards vary, it is wise to consult a professional to pick the right-sized portable air conditioner.

Figure 9.1: BTU Capacity Guide. This table provides a reference for matching BTU ratings (ASHRAE and DOE) to room sizes, indicating maximum and optimum usable areas. For example, 12K BTU ASHRAE (8K BTU DOE) is suitable for up to 300 sq ft maximum, with an optimum usable area of 200 sq ft.

Explanation:

- The BTU cooling capacity listed in the table follows ASHRAE standards.

- Factors like room occupancy, sunlight exposure, and insulation can impact the required BTU capacity.
- Since BTU standards vary, it is wise to consult a professional to pick the right-sized portable air conditioner.

9.2 BTU to Wattage Reference

This table provides an overview of power consumption based on BTU ratings.



Figure 9.2: Power Consumption Reference. This table details the power output (Wattage), voltage, and current draw for different BTU ratings (DOE and ASHRAE). For the 12,000 BTU ASHRAE (8,000 BTU DOE) model, the power output is typically 1150-1450W, with a voltage of 103-125V and current of 11-14A. Note that power may differ depending on ambient and electric voltage.

10. WARRANTY AND SUPPORT

Your Dreo Portable Air Conditioner AC515S comes with a standard 1-year warranty.

- For warranty claims or technical assistance, please contact Dreo Customer Service.
- Dreo offers 24-hour customer service.
- Contact information can typically be found on the official Dreo website or on the product packaging.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question