Dreo DR-HAC005S White

Dreo Portable Air Conditioner AC515S User Manual

Model: AC515S White 12,000 BTU

Introduction

Thank you for choosing the Dreo Portable Air Conditioner AC515S. This manual provides important information for the safe operation, installation, maintenance, and troubleshooting of your new appliance. Please read it thoroughly before use and keep it for future reference.



Figure 1: Dreo Portable Air Conditioner AC515S with remote and app view.

Important Safety Instructions

To reduce the risk of fire, electric shock, or injury, always follow basic safety precautions when using this appliance.

- Read all instructions before using the appliance.

- Do not operate any appliance with a damaged cord or plug.
- Do not use the appliance near water or in wet conditions.
- Ensure the power supply matches the voltage specified on the appliance.
- Keep the appliance away from heat sources and direct sunlight.
- Unplug the appliance when not in use or before cleaning.
- Only use attachments recommended by the manufacturer.
- Do not block any ventilation openings.
- This appliance is for indoor use only.

Package Contents

Verify that all items are present and in good condition upon opening the package:

- Dreo Portable Air Conditioner Unit
- Remote Control
- Window Mount Kit (multiple panels for various window sizes)
- Drain Hose
- User Manual (this document)

Product Overview

Components



Figure 2: Product Dimensions and Exhaust Hose Details.

- **Control Panel & LED Display:** Located on top of the unit for easy access to settings.
- **Air Outlet:** Adjustable louvers for directing airflow.
- **Air Filter:** Removable for cleaning.
- **Exhaust Air Outlet:** Connects to the exhaust hose.

- **Drainage Port:** For manual drainage if needed.
- **Wheel Casters:** For easy mobility.
- **Carry Handle:** Integrated for convenient transport.
- **Remote Control:** Magnetic design for secure storage on the unit.

Setup and Installation

The Dreo Portable Air Conditioner AC515S is designed for hassle-free DIY installation, fitting various window types and sizes.

Window Kit Assembly

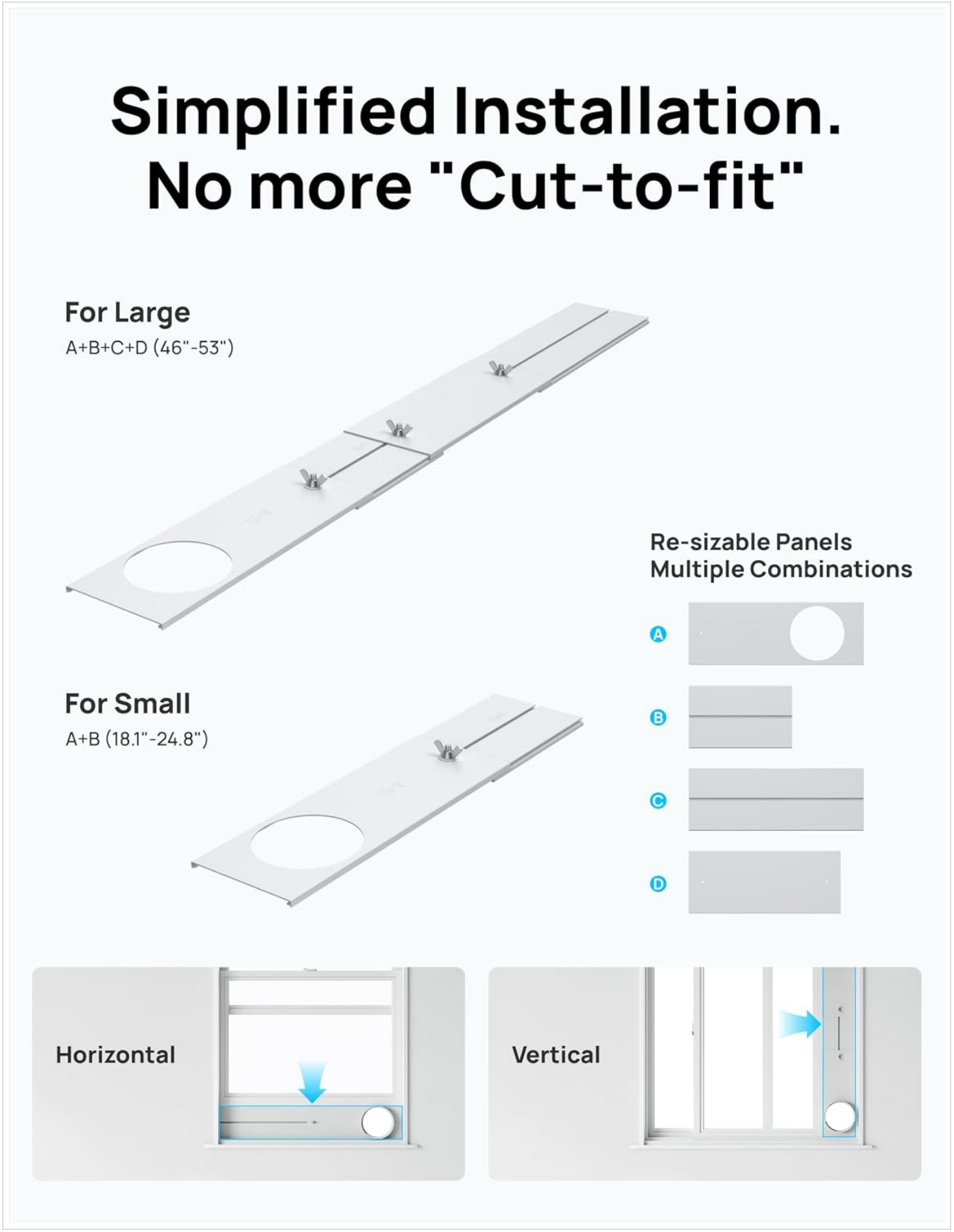


Figure 3: Universal Window Kit for Horizontal and Vertical Windows.

1. Attach the exhaust hose to the unit's exhaust air outlet.
2. Assemble the window sealing plate kit according to your window type (horizontal or vertical). The kit includes multiple panels (A, B, C, D) that can be combined to fit window openings from 17" to 53".
3. Secure the assembled window sealing plate in your window opening.
4. Connect the other end of the exhaust hose to the opening in the window sealing plate.

5. Ensure all connections are secure to prevent air leakage.

For optimal performance, ensure the exhaust hose is as straight and short as possible to maximize cooling efficiency.

Operating Instructions

Your Dreo Portable Air Conditioner AC515S offers multiple modes and smart control options for personalized comfort.

Control Panel and Remote Control



Figure 4: Control via Unit, Remote, or Dreo App.

The unit can be operated using the touch control panel on top, the included remote control, or the Dreo App on your smartphone.

Operating Modes (3-in-1 Functionality)

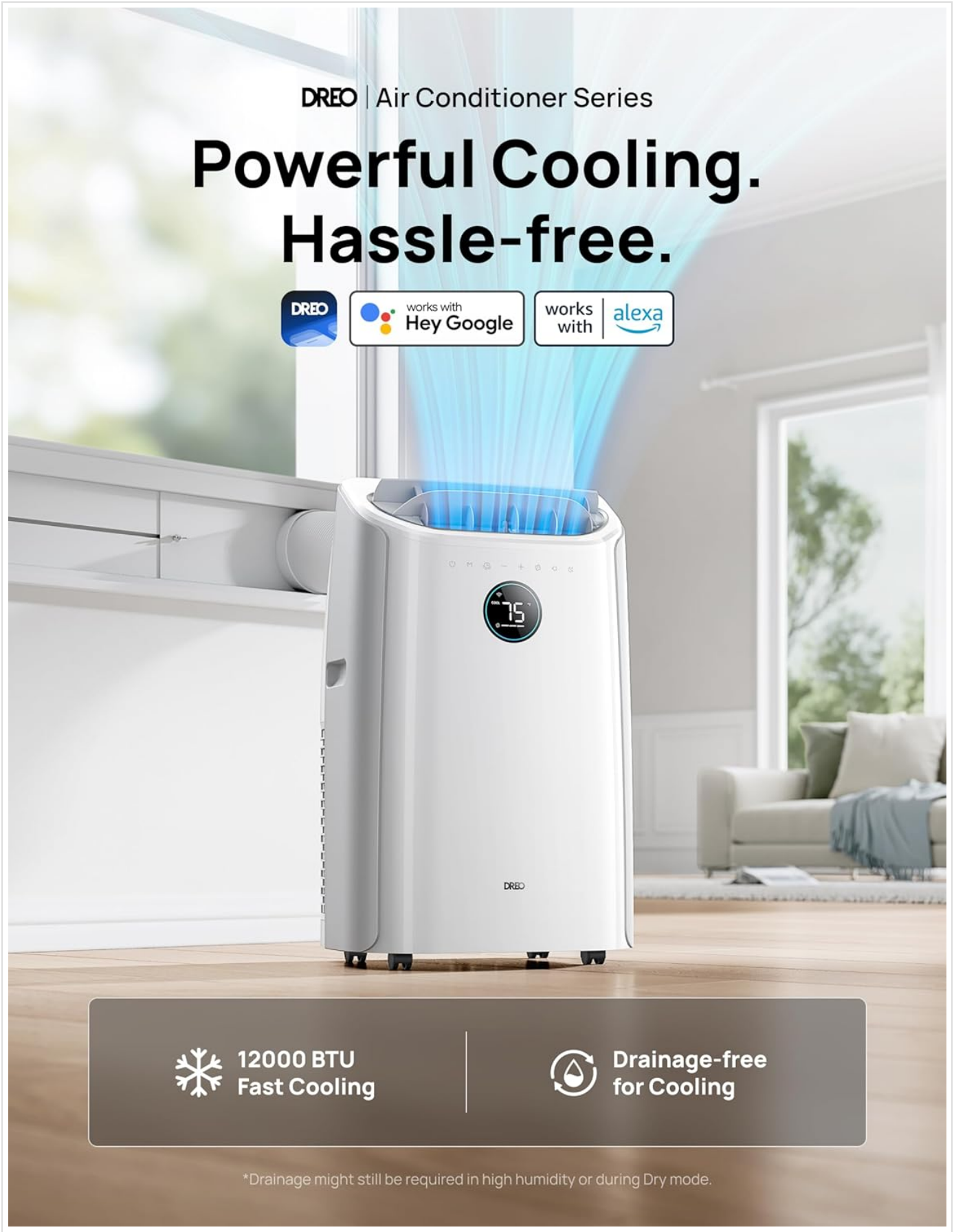


Figure 5: Three-in-One Operating Modes.

- **Cool Mode:** Provides powerful cooling. Set desired temperature between 65°F to 86°F.
- **Dry Mode (Dehumidifier):** Reduces humidity in the room. Adjustable humidity setting from 30% to 80%.
- **Fan Mode:** Circulates air without cooling. Features 4 fan speed levels.

Smart Features

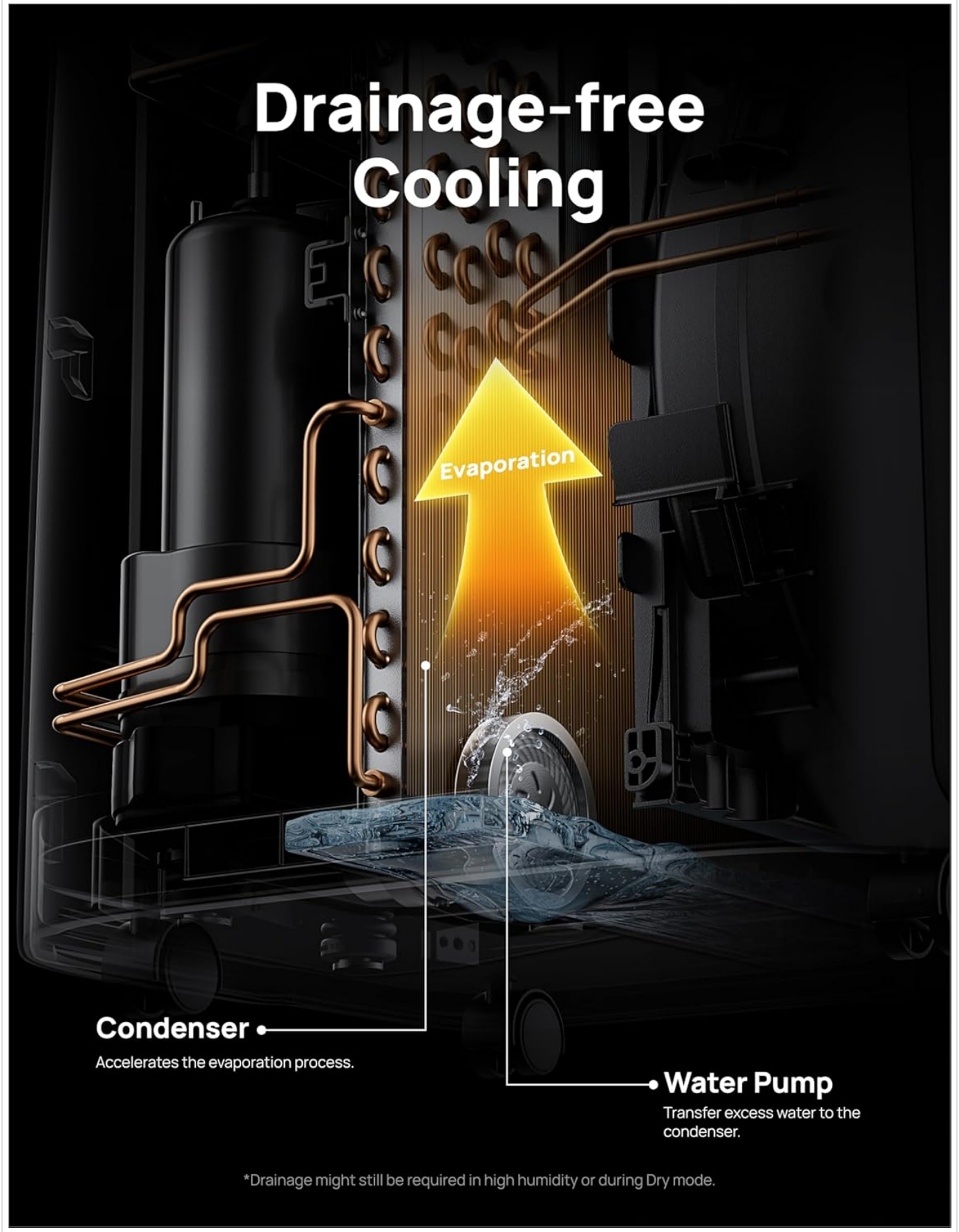


Figure 6: Smart Control Options via Dreo App.

- **Dreo App Control:** Download the Dreo App to control all functions, set schedules, and monitor usage.
- **Voice Control:** Compatible with Amazon Alexa and Google Home for hands-free operation.
- **24-Hour Timer:** Schedule the unit to turn on or off automatically.
- **Sleep Mode:** Adjusts temperature and fan speed for comfortable sleep.

Drainage-Free Cooling



Figure 7: Drainage-Free Cooling Mechanism.

The AC515S features a drainage-free design in Cool mode, utilizing a dedicated condenser and water pump to evaporate excess water. Manual drainage may still be required in high humidity conditions or when using Dry mode.

Maintenance

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

Cleaning the Air Filter

1. Unplug the unit from the power outlet.
2. Remove the air filter from the back of the unit.
3. Clean the filter with a vacuum cleaner or wash it with warm, soapy water.
4. Rinse thoroughly and allow it to air dry completely before reinserting.
5. Clean the air filter every two weeks or more frequently depending on usage and air quality.

Unit Cleaning

- Wipe the exterior of the unit with a soft, damp cloth.
- Do not use harsh chemicals, abrasives, or flammable liquids.
- Ensure the unit is completely dry before plugging it back in.

Storage

- Before storing, run the unit in Fan mode for a few hours to dry the internal components.
- Drain any accumulated water from the drainage port.
- Clean the air filter and the unit's exterior.
- Store the unit in a cool, dry place, away from direct sunlight.

Troubleshooting

Refer to the following table for common issues and their solutions. If the problem persists, contact customer support.

Problem	Possible Cause	Solution
Unit does not turn on.	No power supply; Power cord damaged; Unit is off.	Check power outlet; Inspect power cord; Press power button.
Unit not cooling effectively.	Air filter dirty; Exhaust hose not properly installed; Room too large; Doors/windows open.	Clean air filter; Ensure hose is sealed; Check room size against BTU capacity; Close doors/windows.
Water leakage.	Drainage plug loose; Unit tilted; High humidity causing excess condensation.	Secure drainage plug; Place unit on a level surface; Drain water manually if necessary.
Noisy operation.	Unit not on a level surface; Obstruction in fan; Normal compressor noise.	Ensure unit is level; Check for obstructions; Normal operation noise is 46dB.

Specifications

Feature	Detail
Model Number	DR-HAC005S White
Cooling Capacity (ASHRAE)	12,000 BTU

Feature	Detail
Noise Level	46 dB (minimum)
Power Output	1150 - 1450W
Voltage	103 - 125V
Current	11 - 14A
Product Dimensions (D x W x H)	14.37 x 17.32 x 28.13 inches
Item Weight	1.01 ounces *(Note: This value appears to be a data entry error. Actual weight for a portable AC unit is significantly higher.)*
Refrigerant	R-32
Floor Area Coverage	Up to 300 Square Feet (Optimum usable area: 200 sq ft)

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 8: Match Room Size to BTUs (ASHRAE and DOE standards).

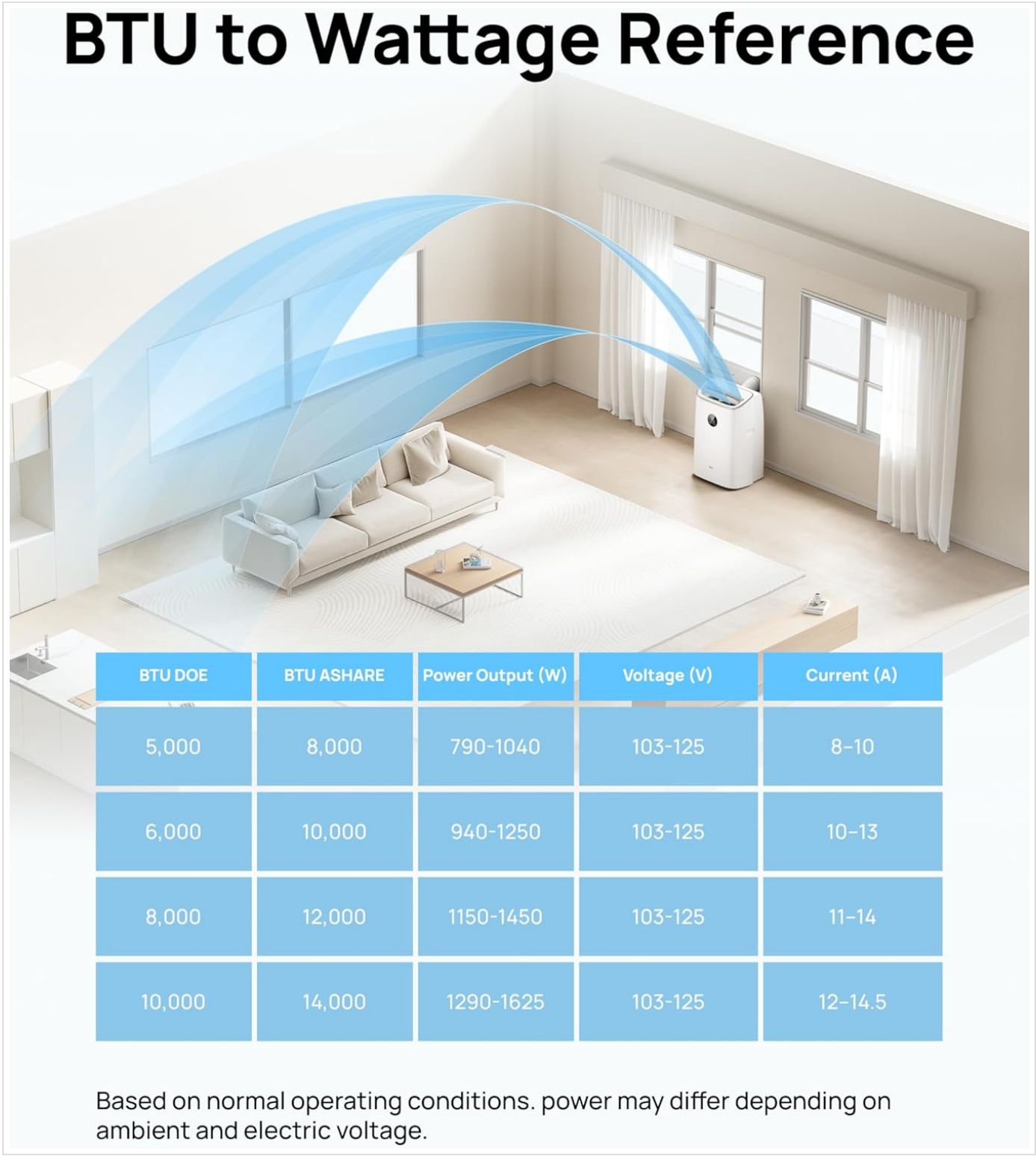


Figure 9: BTU to Wattage Reference.

Warranty and Customer Support

Dreo provides a 1-year warranty as standard for this product. For any product-related inquiries, technical assistance, or warranty claims, please contact Dreo customer service.

- **Customer Service:** Available 24 hours.
- **Warranty Period:** 1 year from the date of purchase.
- **Contact Information:** Refer to the contact details provided on the official Dreo website or your purchase documentation.

You can also visit the official Dreo store on Amazon for more information and support:Dreo Amazon Store

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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