Dreo DR-HAC006S White

Dreo Portable Air Conditioner AC516S User Manual

14000 BTU AC Unit with Smart Features

1. Product Overview

The Dreo Portable Air Conditioner AC516S is a versatile 3-in-1 unit designed to provide efficient cooling, dehumidification, and air circulation for indoor spaces. Featuring 14,000 BTU (ASHRAE) cooling power, it is ideal for rooms up to 400 sq.ft. This unit incorporates advanced noise isolation technology for quiet operation and a drainage-free system for continuous cooling under normal humidity conditions. Smart control options include touch panel, remote control, and app/voice control via Amazon Alexa and Google Home.

Package Contents

- Dreo Portable Air Conditioner Unit
- Exhaust Hose
- Window Panel Kit (Adjustable 17"-53")
- Drainage Hose
- Remote Control (with batteries)
- User Manual (this document)
- Adhesive and Non-Adhesive Foam Seals



Figure 1: Dreo Portable Air Conditioner AC516S unit with remote control and smartphone app interface.

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 serious injury.

- Always use the unit on a stable, level surface.
- Do not block air inlets or outlets.
- Do not operate with a damaged cord or plug.
- Keep children and pets away from the unit.
- Unplug the unit before cleaning or maintenance.
- Do not use in wet or damp environments.
- Ensure proper ventilation when operating.

3. Setup

Window Panel Installation

The adjustable window panel kit (17"-53" range) is designed for easy installation in various window types, including double-hung, sliding, and casement windows. Assemble the panels by sliding them together to match your window's width or height. Secure the panels using the provided screws.

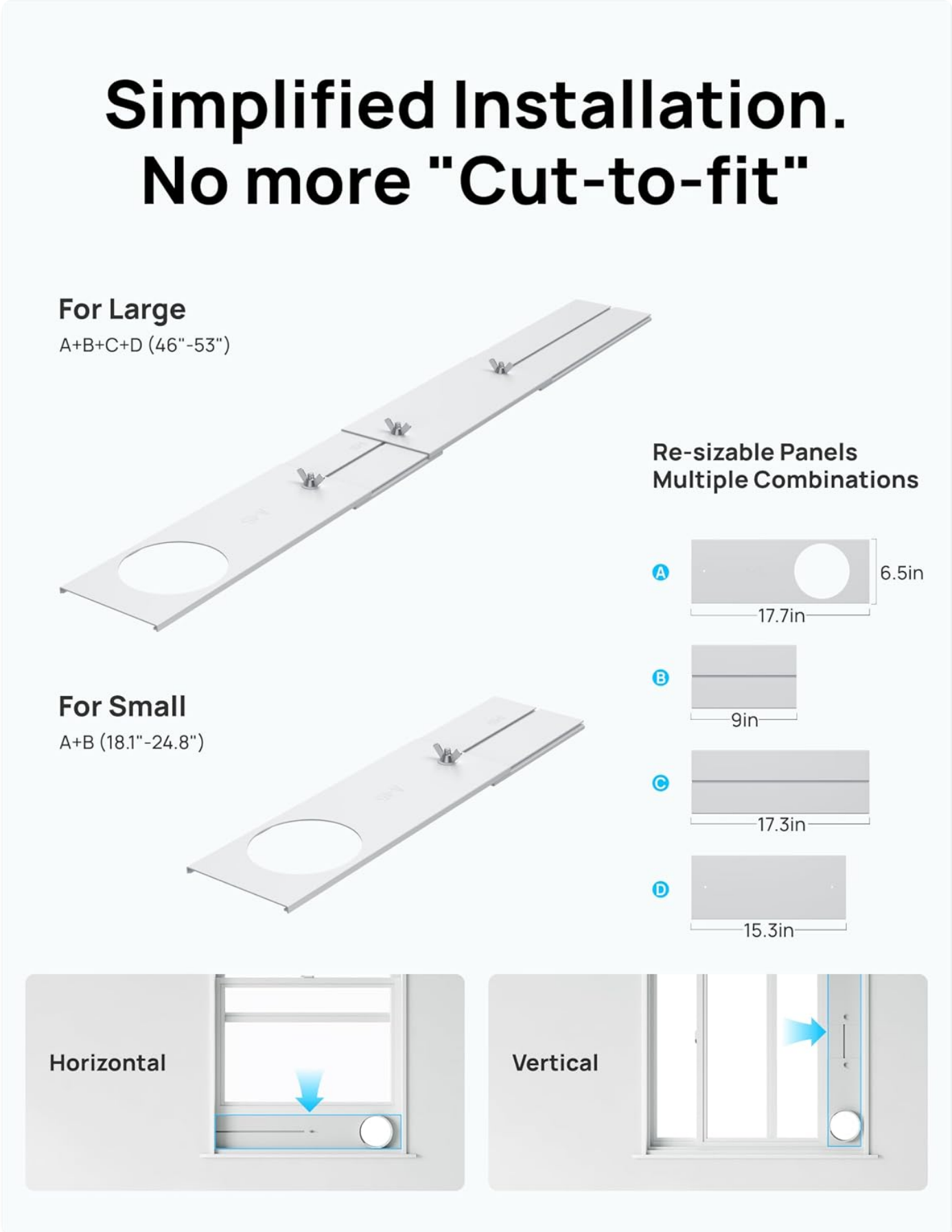


Figure 2: Simplified window panel installation.

Exhaust Hose Connection

Attach the exhaust hose to the designated port on the back of the AC unit. Slide the other end of the hose into the opening of the installed window panel. Ensure a secure connection to prevent air leakage.

Video 1: Official product video demonstrating the setup and features of the Dreo Portable Air Conditioner.

For optimal performance, ensure the exhaust hose is as straight and short as possible to minimize heat loss.

4. Operating Instructions

The Dreo AC516S offers multiple operating modes and control options for your convenience.

Control Panel & Display

The unit features a touch-sensitive control panel with an LED display showing temperature, mode, and other indicators. The display is bright and easy to read.



Figure 3: Smartphone app interface for Dreo Portable Air Conditioner.

Operating Modes

- **Cool Mode:** Provides powerful cooling. Adjust temperature from 65℉ to 86℉.
- **Dry Mode (Dehumidifier):** Reduces humidity in the room. Set target humidity from 30% to 80%. Drainage hose connection is recommended for continuous operation in high humidity.

- **Fan Mode:** Circulates air without cooling. Choose from 4 fan speeds (Low, Medium, High, Auto).

Remote Control

The included remote control allows you to adjust all settings from a distance. It features a clear LED display and magnetic storage on the unit itself.

App & Voice Control

Connect your AC516S to the Dreo App via Wi-Fi for remote control and advanced scheduling. The app allows you to adjust modes, fan speeds, set timers, and monitor performance. It is also compatible with Amazon Alexa and Google Home for convenient voice commands.

Additional Features

- **24-Hour Timer:** Program the unit to turn on or off automatically.
- **Sleep Mode:** Optimizes cooling for comfortable sleep by gradually adjusting temperature and dimming the display. Only available in Cool Mode.
- **Eco Mode:** An energy-saving feature that adjusts operation based on ambient conditions. Only available in Cool Mode.
- **Wide-Angle Louver Swing:** Ensures efficient and even cooling distribution across the room.

5. Maintenance

Regular maintenance ensures optimal performance and longevity of your Dreo Portable Air Conditioner.

Air Filter Cleaning

The unit has two washable air filters located on the back. It is recommended to clean them every two weeks, or more frequently depending on usage and air quality. Gently pull the filters out, vacuum any dust or debris, and if heavily soiled, rinse them under warm water. Allow them to air dry completely before reinserting.

Drainage

The AC516S features a drainage-free system that re-evaporates most collected water. However, in high humidity environments or when using Dry Mode, manual drainage may be required. Connect the drainage hose to the lower drainage port and direct it into a suitable container or floor drain to empty the internal water tank.

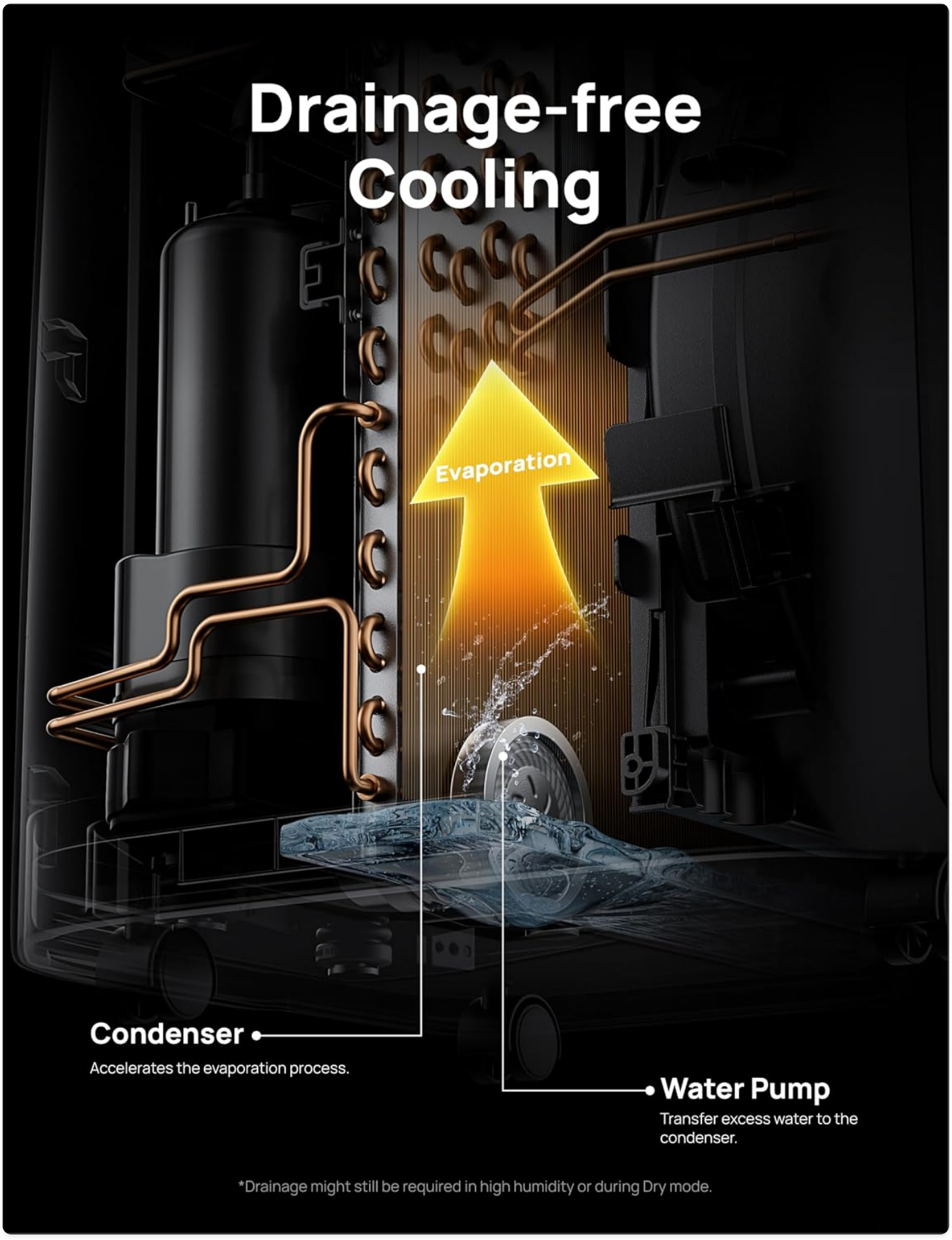


Figure 4: Drainage-free cooling system overview.

6. Troubleshooting

If you encounter any issues with your Dreo Portable Air Conditioner, refer to the following common problems and solutions:

- **Unit does not turn on:** Check if the power cord is securely plugged into a working outlet. Ensure the unit is not in standby mode.
- **No cooling or insufficient cooling:** Verify that the unit is in Cool Mode and the temperature setting is lower than the room temperature. Check if the exhaust hose is properly installed and not blocked. Clean the air filters if they are dirty. Ensure windows and doors are closed to prevent warm air from entering the room.
- **Unit is noisy:** Ensure the unit is on a flat, stable surface. Check for any obstructions in the air inlets or outlets.
- **Water leakage:** Verify that the drainage hose is securely connected if in use. If the internal tank is full, drain the water.
- **App connectivity issues:** Ensure Wi-Fi is enabled on the unit and your smartphone. Check your Wi-Fi network stability.

7. Specifications

Specification	Value
Model Number	DR-HAC006S White
Cooling Power	14000 British Thermal Units
Product Dimensions	14.37 x 17.32 x 28.13 inches
Item Weight	1.05 ounces
Voltage	120.0 V
Noise Level	46 Sones
Floor Area Coverage	400 Square Feet
Energy Efficiency Ratio (SEER)	5.6

8. Warranty and Support

The Dreo Portable Air Conditioner AC516S comes with a 1-year standard warranty. For any technical assistance or product inquiries, please contact Dreo Customer Service.

- **Customer Service:** 24/7 assistance from U.S.-based HVAC specialists.
- **Contact Channels:** Phone, live chat, or video call.

For more detailed warranty information and support options, please refer to the official Dreo website or the user manual PDF provided with your product.

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