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GarveeTech JHS-A020A-10KR-D

GarveeTech 15,000 BTU Portable Air Conditioner User Manual

Model: JHS-A020A-10KR-D | Brand: GarveeTech

1. Introduction

This manual provides essential information for the safe and efficient operation of your GarveeTech 15,000 BTU Portable Air Conditioner. This 3-in-1 unit offers cooling, fan, and dehumidifying functions, designed to provide comfort in various indoor environments.



Figure 1.1: The GarveeTech Portable Air Conditioner features three operational modes: Cool (61°F-88°F), Dry (dehumidification up to 50 Pints/Day), and Fan (High/Low speeds).

The unit is capable of cooling rooms up to 850 sq. ft. and includes features such as an LED touch panel, remote control, and sleep mode for enhanced user convenience.



Figure 1.2: The 15,000 BTU cooling capacity effectively cools large spaces, providing a comfortable temperature range of 61°F-88°F with 450 CFM airflow.

2. Safety Information

Please read all safety instructions before operating the appliance. Keep this manual for future reference.

- Ensure the unit is placed on a stable, level surface.
- Do not block air inlets or outlets.
- Keep the unit away from heat sources and direct sunlight.
- Do not operate with a damaged power cord or plug.
- Unplug the unit before cleaning or maintenance.
- This appliance is for indoor residential use only.

3. Package Contents

Verify that all items are present upon unpacking:

- Portable Air Conditioner (x1)
- Remote Control (x1)
- Instruction Manual (x1)
- Window Kit (x1)
- Sponge Strip (x1)

4. Product Overview

The GarveeTech Portable Air Conditioner is designed for ease of use and efficient cooling. It features an intuitive LED touch panel and a convenient remote control.



Figure 4.1: The unit features an LED touch panel for direct control and comes with a remote control for convenient operation from a distance.

The unit also incorporates an advanced noise isolation system and a dedicated sleep mode for quiet operation, ensuring minimal disturbance.



Figure 4.2: Enjoy quiet cooling with a noise level of approximately 48dB, ideal for bedrooms and other quiet spaces. The sleep mode further optimizes comfort and noise levels.

5. Setup and Installation

The GarveeTech Portable Air Conditioner is designed for quick and easy installation, typically taking about 15 minutes.

Follow these steps for proper setup.

5.1. Window Kit Assembly and Exhaust Hose Installation

The included window kit and extendable dual exhaust hose are essential for venting hot air outside. Ensure your window type is suitable for the kit (refer to Figure 5.1).



Figure 5.1: The window kit is designed for vertical or horizontal sliding windows with an opening range of 17-53 inches. Casement windows

are generally not suitable.

For a visual guide on assembling the window kit and installing the exhaust hose, please watch the video below:

Video 5.1: This video demonstrates the step-by-step process of assembling the window kit and connecting the exhaust hose to the portable air conditioner. It covers disassembling and reassembling the window kit components, attaching the exhaust hose to the unit, and securing it to the window slider.

General installation steps:

1. Connect the hose fitting to one end of the exhaust hose.
2. Connect the window kit adapter to the other end of the exhaust hose.
3. Extend the adjustable window kit length to fit your window opening.
4. Connect the hose connector to the exhaust port of the air conditioner.
5. Extend the exhaust hose and insert the window slider connector into the window kit.
6. Place the assembled window slider kit in the window opening and slide the window to close against it.
7. Plug the unit into a power outlet, then turn it on, adjust the mode, and enjoy.



Figure 5.2: A visual guide illustrating the six steps for quick and easy installation, from connecting hoses to plugging in the unit.

6. Operating Instructions

Your portable air conditioner offers multiple modes for customized comfort.

6.1. Control Panel and Remote Control

The unit can be controlled via the LED touch panel on top of the unit or the included remote control. Both offer access to all functions.

6.2. Operating Modes

- **Cool Mode:** Provides powerful cooling for rooms up to 850 sq. ft. Set your desired temperature between 61°F and 88°F.
- **Fan Mode:** Circulates air without cooling. Choose between High and Low fan speeds.
- **Dehumidifier Mode:** Removes excess moisture from the air, up to 190 pints per day. This helps reduce humidity and improve comfort.

6.3. Sleep Mode

Activate Sleep Mode for quieter operation and optimized temperature settings during nighttime hours. This mode gradually adjusts the temperature and fan speed to maintain comfort while minimizing noise.

7. Maintenance

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

7.1. Filter Cleaning

The unit features a removable and washable air filter. Clean the filter regularly (e.g., every two weeks, depending on usage) to maintain air quality and cooling efficiency. Refer to Figure 7.1 for filter location.



Figure 7.1: The removable and washable filter helps maintain air quality. Regular cleaning is recommended for optimal performance.

7.2. Self-Evaporation System

This unit features a self-evaporation system, which typically eliminates the need for manual drainage. In high humidity conditions, if the internal water tank becomes full, the unit will indicate a full tank and may require manual drainage. Consult the troubleshooting section for details.

8. Troubleshooting

If you encounter issues with your air conditioner, refer to the following common troubleshooting steps:

- **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.
- **Insufficient cooling:** Verify that the exhaust hose is properly installed and vented outside. Check if the air filter is clean. Ensure windows and doors are closed to prevent warm air entry.
- **Unit is noisy:** Ensure the unit is on a flat, stable surface. Check for any obstructions in the air inlets or outlets.
- **Water tank full indicator:** If the self-evaporation system cannot keep up with high humidity, the unit may require manual drainage. Refer to the product diagram for the drainage port location.

For persistent issues, contact GarveeTech customer support.

9. Specifications

Detailed technical specifications for the GarveeTech 15,000 BTU Portable Air Conditioner (Model JHS-A020A-10KR-D).

Feature	Specification
Brand	GarveeTech
Model Name	JHS-A020A-10KR-D
Cooling Power	15,000 BTU (British Thermal Units)
Coverage Area	Up to 850 Sq.Ft.
Operating Modes	Cool, Fan, Dehumidifier
Dehumidification Capacity	Up to 190 Pints/Day
Temperature Range	61°F - 88°F
Noise Level	50 Decibels (approx. 48dB in sleep mode)
Control Method	Remote, Touch Panel
Product Dimensions (D x W x H)	20.35"D x 34.25"W x 18.11"H
Item Weight	83.84 Pounds
Voltage	115V
Wattage	1300W
Installation Type	Portable
Refrigerant Type	R32 (Environmentally friendly)



Figure 9.1: ASHRAE BTU Cooling Capacity Guide. Room occupancy, sunlight, and insulation affect the needed BTU capacity. Consult a professional for precise sizing.

10. Warranty and Support

Your GarveeTech Portable Air Conditioner comes with a 30-day manufacturer's limited warranty. For warranty claims,

technical support, or any questions regarding your product, please contact GarveeTech customer service. Please retain your proof of purchase for warranty validation.

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