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> EcoSummer 24000 BTU Ductless Mini Split AC and Heating System User Manual

EcoSummer pzHGO3GT1JAbR2n5p7w3RQk46k

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Model: pzHGO3GT1JAbR2n5p7w3RQk46k

1. INTRODUCTION

This user manual provides essential information for the safe and efficient operation, installation, and maintenance of your EcoSummer 24000 BTU Ductless Mini Split AC and Heating System. This unit is designed to provide energy-efficient cooling and heating for spaces up to 1,500 sq. ft., featuring smart WiFi and voice control capabilities. Please read this manual thoroughly before using the product and retain it for future reference.

2. IMPORTANT SAFETY INSTRUCTIONS

WARNING: Failure to follow these instructions could result in electric shock, fire, or serious injury.

- **Professional Installation Required:** Installation of this appliance must be performed by a qualified and certified HVAC technician in accordance with all local and national electrical and plumbing codes. Improper installation can lead to water leakage, electric shock, or fire.
- **Power Supply:** Ensure the unit is connected to a dedicated 208-230V, 60Hz power supply with appropriate circuit protection. Do not use extension cords.
- **Grounding:** The unit must be properly grounded to prevent electric shock.
- **Clearances:** Maintain adequate clearances around both indoor and outdoor units for proper airflow and service access.
- **Refrigerant:** This unit contains refrigerant. Only qualified personnel should handle refrigerant.
- **Cleaning:** Always disconnect power before cleaning or performing maintenance.
- **Children and Pets:** Keep children and pets away from the unit during operation and maintenance. Do not allow children to play with the remote control.
- **Damage:** If the power cord is damaged, it must be replaced by the manufacturer, its service agent, or similarly qualified persons to avoid a hazard.

3. PRODUCT COMPONENTS

Your EcoSummer Mini Split AC and Heating System package includes the following main components:

- Indoor Unit
- Outdoor Unit
- 13ft Copper Pipes (for refrigerant lines)
- Drain Hose
- Wiring (electrical connections)
- Remote Control
- User Guide (this document)

Note: The system typically ships in two separate packages, which may arrive at different times.



Figure 3.1: Overview of EcoSummer Mini Split AC System components, including the indoor unit, outdoor unit, remote control, and various installation accessories like copper pipes and wiring.

4. SETUP AND INSTALLATION

Installation of the EcoSummer Mini Split AC and Heating System requires specialized tools and knowledge. It is mandatory that a certified HVAC professional performs the installation to ensure proper function, safety, and warranty validity.

4.1 Pre-Installation Considerations

- **Location:** Select appropriate locations for both the indoor and outdoor units, ensuring sufficient space for airflow, maintenance, and drainage.
- **Power Supply:** Verify that a dedicated 208-230V, 60Hz electrical circuit is available.
- **Structural Support:** Ensure the wall for the indoor unit and the mounting surface for the outdoor unit can support their respective weights.
- **Drainage:** Plan for proper condensate drainage from the indoor unit.

4.2 Installation Steps (Overview for Professional)

1. Mount the indoor unit on the wall.
2. Install the outdoor unit on a stable, level surface.
3. Connect the refrigerant lines (copper pipes) between the indoor and outdoor units. Ensure proper flaring and torque.
4. Connect the drain hose from the indoor unit to an appropriate drainage point.
5. Perform electrical wiring connections between the indoor unit, outdoor unit, and power supply.
6. Evacuate the refrigerant lines to remove air and moisture.
7. Check for leaks in the refrigerant system.
8. Release refrigerant into the system.
9. Test the system for proper operation in all modes.

ALL-WEATHER RESPONSE

Wide Operating Temperature Range,
Stable High Performance Even In Extreme Environments

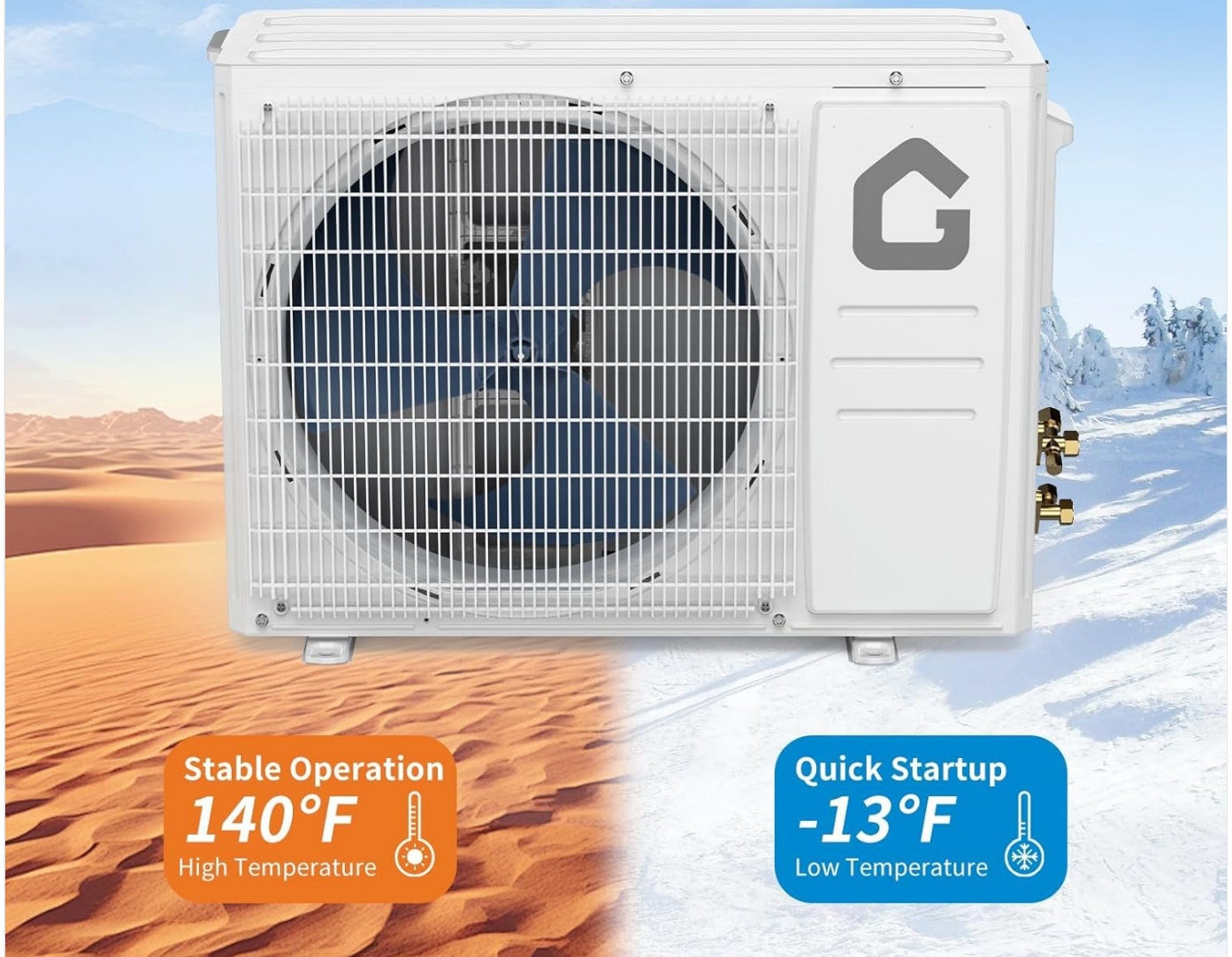


Figure 4.1: Dimensional diagram of the EcoSummer indoor and outdoor units, crucial for planning installation space and clearances.

5. OPERATING INSTRUCTIONS

Your EcoSummer Mini Split system offers multiple operating modes and smart control features for optimal comfort.

5.1 Remote Control Operation

The included backlit LCD remote control allows you to manage all functions of your unit.

- **Power On/Off:** Press the power button to turn the unit on or off.
- **Mode Selection:** Use the 'MODE' button to cycle through available modes: Cool, Heat, Fan, Dry, and Auto.
- **Temperature Adjustment:** Use the up/down arrows to set your desired temperature.
- **Fan Speed:** Adjust fan speed (Low, Mid, High, Turbo) using the 'FAN' button.
- **Timer:** Set the 0.5-24 hour timer for automatic on/off operation.
- **iFEEL Mode:** Activates a sensor in the remote to measure ambient temperature, providing more precise comfort control.

- **Sleep Mode:** Optimizes temperature and fan speed for comfortable sleep while saving energy.
- **Display On/Off:** Turn the indoor unit's display on or off.
- **ECO Mode:** Activates energy-saving operation.
- **HEALTH Mode:** Purifies air with negative ions and removes PM2 dust.

ALL-IN-ONE MULTIFUNCTIONAL REMOTE CONTROL

COOLING:
30S Fast Cooling

HEATING:
60S Fast Heating

DRY:
One-key drying mode to quickly reduce indoor humidity

FAN ONLY:
Low / Mid / High / Turbo 4 Wind Speeds, 50ft Long Distance Air Flow

Display On/Off Sleep ECO Energy Saving

Self-Cleaning °C/°F 24H Timer 4D Auto Swing

Remote Control Features:

- SET TEMPERATURE
- AUTO, COOL, DRY, HEAT (Mode Selection)
- FAN HIGH, MID, LOW (Fan Speed)
- ON/OFF (Power)
- MODE, TURBO, SPEED (Function Selection)
- SLEEP, °C/°F, DISPLAY (Smart Features)
- SWING+ (Auto Swing)
- Anti-F, ELE.H, HEALTH, TIMER (Advanced Features)
- ECO, iCLEAN (Maintenance)

Figure 5.1: The multifunctional remote control for the EcoSummer Mini Split system, illustrating buttons for mode selection, temperature, fan speed, and smart features.

5.2 Smart Control (WiFi & Voice)

The unit is WiFi-enabled, allowing control via a smartphone application and integration with voice assistants.

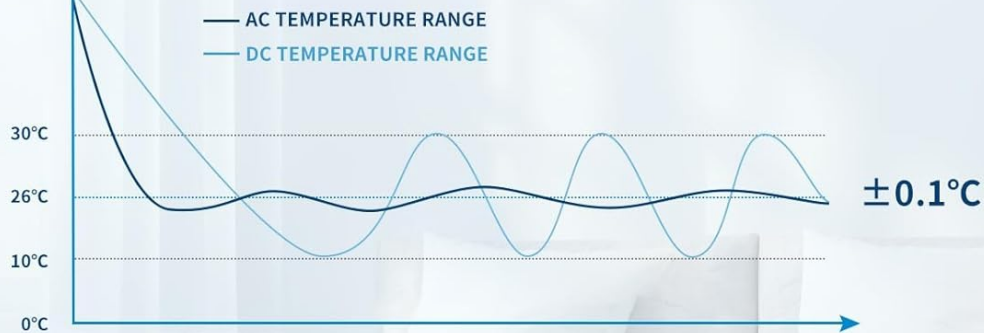
- **App Control:** Download the dedicated EcoSummer app to control your unit remotely, set schedules, and monitor status.
- **Voice Control:** Compatible with Google Assistant for hands-free operation. Follow the app's instructions to link your unit to your voice assistant.

HIGH EFFICIENCY INVERTER COMPRESSOR

Innovative Integrated Structure Multi-stage Motor, Service Life Up To 20 Years



0.1°C PRECISE TEMPERATURE CONTROL



AI intelligent sensing of the ambient temperature, energy saving more than 25%

Figure 5.2: Illustration of the intelligent control features, showing smartphone app integration and compatibility with voice assistants like Google Assistant.

5.3 Special Features

- **Ultra-Quiet Operation:** Operates at a low noise level of 41 dB, ideal for bedrooms and offices.
- **All-Weather Response:** Engineered to operate reliably in extreme temperatures, from -20°C (-4°F) to 60°C (140°F).
- **4D Airflow:** Provides 50-foot 4D airflow circulation for stable performance and even temperature distribution.

ULTRA-SILENCE FOR YOUR BETTER SLEEP

Double Layer Silencer Cotton And
Low Vibration Design



24H Timer



Sleep Mode



Display On/Off

Figure 5.3: The indoor unit demonstrating ultra-quiet operation, featuring double layer silencer cotton and a low vibration design for enhanced comfort.



Figure 5.4: The outdoor unit's robust design for all-weather performance, ensuring stable operation from -4°F to 140°F.

6. MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your EcoSummer Mini Split system.

6.1 Air Filter Cleaning

The indoor unit's air filters should be cleaned regularly, typically every 2-4 weeks, depending on usage and air quality.

1. Turn off the unit and disconnect power.
2. Open the front panel of the indoor unit.
3. Remove the washable air filters.
4. Clean the filters with a vacuum cleaner or wash them with lukewarm water and a mild detergent.
5. Allow filters to dry completely before reinstalling.
6. Close the front panel and restore power.

6.2 Self-Cleaning Function

The unit features a self-cleaning function to prevent mold and bacteria buildup on the evaporator coil.

- Activate the self-cleaning mode via the remote control or smartphone app.
- The unit will perform a cycle of condensation, frosting, and defrosting to clean and sterilize the indoor coil.



Figure 6.1: The self-cleaning process, showing indoor unit condensation, frosting, defrosting, and sterilization at 57°C for fresh air.

6.3 Professional Maintenance

It is recommended to have a qualified technician perform annual professional maintenance, including:

- Checking refrigerant levels and pressure.
- Inspecting electrical connections.
- Cleaning the outdoor unit's coil and fan blades.
- Checking condensate drain for blockages.

7. TROUBLESHOOTING

Before contacting customer support, please refer to the following common issues and solutions:

Problem	Possible Cause	Solution
Unit does not turn on	No power; remote control batteries dead; circuit breaker tripped.	Check power supply; replace remote batteries; reset circuit breaker.
Insufficient cooling/heating	Dirty air filters; windows/doors open; temperature setting incorrect; outdoor unit obstructed.	Clean air filters; close openings; adjust temperature; clear obstructions around outdoor unit.
Unusual noise	Loose parts; fan obstruction; refrigerant issue.	Check for loose parts; remove obstructions; contact technician if noise persists.
Water leakage from indoor unit	Clogged drain hose; improper installation.	Clear drain hose; contact technician for inspection.
Remote control not working	Dead batteries; obstruction between remote and unit.	Replace batteries; ensure clear line of sight.

If the problem persists after attempting these solutions, please contact a qualified service technician or EcoSummer customer support.

8. SPECIFICATIONS

Feature	Detail
Brand	EcoSummer
Model Number	pzHGO3GT1JAbR2n5p7w3RQk46k (also H6P34W)
Cooling Capacity	24000 BTU
Heating Capacity	24000 BTU
SEER2 Rating	19
Coverage Area	Up to 1500 sq. ft.
Power Supply	208-230V, 60Hz
Noise Level	41 dB (Indoor Unit)
Operating Temperature Range	-20°C (-4°F) to 60°C (140°F)
Indoor Unit Dimensions (D x W x H)	7.87" x 29.96" x 11.61"
Outdoor Unit Dimensions (D x W x H)	21.34" x 38.78" x 20.87"
Item Weight	123.3 pounds
Special Features	Smart WiFi, Voice Control (Google), iFEEL Mode, Auto-Defrost, Self-Cleaning, 24-Hour Timer, HEALTH Mode, ECO Energy Saving

9. WARRANTY INFORMATION

Specific warranty terms and conditions for the EcoSummer 24000 BTU Ductless Mini Split AC and Heating System are provided by the manufacturer or seller at the time of purchase. Please refer to your purchase documentation or contact the seller directly for detailed warranty information, including coverage period, what is covered, and how to make a claim. Keep your proof of purchase for warranty purposes.

10. CUSTOMER SUPPORT

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact EcoSummer customer support or your authorized dealer. Have your model number (pzHGO3GT1JAbR2n5p7w3RQk46k) and purchase date ready when contacting support.

Contact information can typically be found on the product packaging, the manufacturer's official website, or through your point of purchase.

