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> COSTWAY 24000 BTU Mini Split Air Conditioner & Heater User Manual

COSTWAY 11068-CYFP

COSTWAY 24000 BTU Mini Split Air Conditioner & Heater User Manual

Model: 11068-CYFP | Brand: COSTWAY

1. IMPORTANT SAFETY INFORMATION

Please read this manual carefully before installing and operating your air conditioner. Keep this manual for future reference. Always follow basic safety precautions to reduce the risk of fire, electric shock, or injury.

- **Professional Installation:** Installation, maintenance, and repair of this unit must be performed by a qualified, professional technician. Improper installation can lead to electric shock, fire, or water leakage.
- **Power Supply:** Ensure the power supply matches the specifications of the unit. Do not use extension cords.
- **Grounding:** The unit must be properly grounded to prevent electric shock.
- **Clearance:** Maintain adequate clearance around the indoor and outdoor units for proper airflow and maintenance.
- **Refrigerant:** This unit uses R454B refrigerant. Handle with care and ensure proper ventilation during service.
- **Children and Pets:** Keep children and pets away from the unit during operation and maintenance.

2. PRODUCT OVERVIEW

The COSTWAY 24000 BTU Mini Split Air Conditioner & Heater (EcoGuard Series) provides efficient cooling and heating for spaces up to 1500 sq. ft. It features inverter technology for energy savings and smart control options.

Key Features:

- **Powerful Climate Control:** 24000 BTU cooling and heating capacity.
- **High Efficiency:** 21 SEER2 and 9.5 HSPF2 ratings with advanced inverter technology and low-GWP R454B refrigerant.
- **Wide Operating Range:** Heats effectively down to -4°F and cools up to 122°F, supported by chassis electrical heating in the outdoor unit.
- **Smart Control:** Wi-Fi enabled, compatible with Amazon Alexa and Google Assistant for voice and app control. Includes a remote control.
- **Customized Comfort:** 7 operating modes (Auto, Cool, Heat, Dry, Fan, ECO, Sleep) and 8 fan speeds (Mute to Turbo).
- **Even Air Distribution:** 4D swing function for uniform temperature throughout the room.
- **Quiet Operation:** Operates as low as 28 dB, ideal for bedrooms and quiet environments.

- **Easy Maintenance:** Self-clean function and removable, washable filters.
- **User-Friendly:** 24-hour timer and child lock feature.

Package Contents:

The following components are included in your package:



Figure 2.1: Included Components. This image illustrates the contents of the two boxes: the indoor unit, outdoor unit, communication wire, remote control, insulation foam, mounting foot pads, copper connection pipes (liquid and gas), drain pipes, wall sleeve, wall cap, tape, and putty.

- 1 x Indoor Unit
- 1 x Outdoor Unit
- 1 x 5m/16.4ft Copper Connection Pipe - Liquid Pipe
- 1 x 5m/16.4ft Copper Connection Pipe - Gas Pipe
- 1 x 4m/13ft Communication Wire
- 1 x 2m/6.5ft Drain Pipe
- 1 x Remote Control

- 1 x Remote Control Holder
- 1 x Insulation Foam
- 1 x Wall Sleeve
- 1 x Wall Cap
- 1 x Tape
- 1 x Putty
- 1 x User Guide (this document)

3. SETUP AND INSTALLATION

Installation of this mini split system requires specialized tools and knowledge. **It is strongly recommended that installation be performed by a professional HVAC technician.** Improper installation can void your warranty and lead to operational issues or safety hazards.

Pre-Installation Checks:

1. Verify that all components listed in the 'Package Contents' section are present and undamaged.
2. Ensure the installation location meets the necessary structural requirements and has adequate space for both indoor and outdoor units.
3. Confirm that the electrical supply (208/230V) is available and correctly rated for the unit.

General Installation Steps (for professional reference):

1. Mount the indoor unit securely on an interior wall, ensuring proper drainage.
2. Install the outdoor unit on a stable, level surface, away from obstructions.
3. Connect the refrigerant lines (liquid and gas pipes) between the indoor and outdoor units. Ensure connections are tight and leak-free.
4. Connect the communication wire and power supply wiring according to the wiring diagram in the full installation manual.
5. Evacuate the refrigerant lines to remove air and moisture.
6. Perform a leak test on all connections.
7. Open the service valves and release the refrigerant.
8. Test the unit's operation in all modes.

Powerful Climate Control



Figure 3.1: Installed Indoor Unit. This image shows the indoor unit effectively distributing air for both cooling and heating, covering an area of up to 1500 sq. ft.

4. OPERATING INSTRUCTIONS

Your COSTWAY Mini Split AC offers multiple ways to control your comfort: via the included remote control, a smartphone app, or voice commands with compatible smart assistants.

Remote Control Operation:

The remote control allows direct access to all functions. Point the remote control towards the indoor unit when operating.

Flexible Control



APP

Compatible with
Amazon Alexa

Works with
Google Home



Remote

7 Modes

Auto/Cool/Heat/Dry/
Fan/Sleep/ECO

8 Fan Speeds

Auto/Mute/Low/Low-mid/Mid/
Mid-high/High/Turbo

Figure 4.1: Flexible Control Options. This image displays the various control methods available: smartphone app, voice control via Alexa or Google Assistant, and the traditional remote control.

Available Modes:

- **Auto:** The unit automatically selects cooling or heating based on the room temperature.
- **Cool:** Provides cooling to lower the room temperature.
- **Heat:** Provides heating to raise the room temperature.
- **Dry:** Dehumidifies the air without significant temperature change.
- **Fan:** Circulates air without cooling or heating.
- **ECO:** Energy-saving mode for optimized operation.
- **Sleep:** Adjusts temperature and fan speed for comfortable sleep and reduced noise.

Fan Speeds:

Select from 8 fan speeds, ranging from Mute for ultra-quiet operation to Turbo for maximum airflow.

Special Functions:

- **4D Swing:** Activates horizontal and vertical louver movement to distribute air evenly.
- **24-Hour Timer:** Set the unit to turn on or off automatically at desired times.
- **Child Lock:** Prevents accidental changes to settings.

Wi-Fi and Voice Control:

Download the COSTWAY Smart app to connect your unit to your home Wi-Fi network. Once connected, you can control the unit from your smartphone or integrate it with Amazon Alexa or Google Assistant for voice commands.

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Video 4.2: COSTWAY Mini Split Air Conditioner Smart Control. This video demonstrates the smart control features of the COSTWAY Mini Split AC, including voice control compatibility with Alexa and the self-cleaning function.



Figure 4.3: Quiet Operation. This image illustrates the low noise level of the unit, making it suitable for bedrooms, along with features like Sleep Mode and the 24-hour timer.

5. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your COSTWAY Mini Split AC. Always disconnect power before performing any maintenance.

Filter Cleaning:

The indoor unit's air filters should be cleaned regularly, typically every two weeks, or more often depending on usage and air quality.

1. Open the front panel of the indoor unit.
2. Remove the air filters.
3. Wash the filters with lukewarm water and a mild detergent. Rinse thoroughly.
4. Allow the filters to air dry completely before reinstalling them. Do not expose to direct sunlight.

Self-Clean Function:

The unit features a self-clean function to help prevent mold and bacteria buildup on the evaporator coil. Refer to your remote control or app instructions for activating this feature.



Figure 5.1: Self-Clean Function and Washable Filters. This image demonstrates the internal self-cleaning process of the indoor unit and

the ease of removing and washing the air filters.

Outdoor Unit Maintenance:

Periodically check the outdoor unit for any debris, leaves, or obstructions that might block airflow. Clean the coils gently with a soft brush or vacuum cleaner if necessary. Ensure the drain pan is clear.

6. 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 supply; Remote control batteries low; Circuit breaker tripped	Check power connection; Replace batteries; Reset circuit breaker
Insufficient cooling/heating	Dirty air filters; Blocked outdoor unit; Incorrect mode/temperature setting; Doors/windows open	Clean air filters; Clear obstructions; Adjust settings; Close openings
Unusual noise	Loose parts; Obstruction in fan; Unit not level	Check for loose components; Remove obstruction; Ensure unit is level
Water leakage from indoor unit	Clogged drain pipe; Improper installation angle	Clear drain pipe; Consult professional for re-installation
Wi-Fi connection issues	Router issues; Incorrect Wi-Fi password; Unit too far from router	Restart router; Re-enter password; Move unit closer or use Wi-Fi extender

If the problem persists after attempting these solutions, please contact COSTWAY customer support.

7. SPECIFICATIONS

Technical specifications for the COSTWAY 24000 BTU Mini Split Air Conditioner & Heater (Model: 11068-CYFP).



Figure 7.1: Product Specifications. This image provides a summary of the key technical specifications for the unit.

Specification	Value
Brand	COSTWAY

Specification	Value
Model Number	11068-CYFP
Cooling Capacity	24000 BTU
Heating Capacity	24000 BTU
SEER2 Rating	21
HSPF2 Rating	9.5
Voltage	208/230 Volts (AC)
Wattage	2080 Watts
Noise Level (Indoor)	As low as 28 Decibels
Refrigerant Type	R454B
Coverage Area	Up to 1500 Square Feet
Product Dimensions (Indoor Unit)	10.16"D x 46.89"W x 14.17"H
Control Method	App, Remote, Voice
Operating Temperature Range (Heating)	Down to -4°F
Operating Temperature Range (Cooling)	Up to 122°F

8. WARRANTY AND SUPPORT

COSTWAY is committed to providing reliable products and excellent customer service.

Warranty Information:

- **5-Year Compressor Warranty:** The compressor is covered for five years from the date of purchase.
- **5-Year Parts Warranty:** All other parts are covered for five years from the date of purchase.

Customer Support:

- **Lifetime Technical Support:** Access to technical assistance for the lifespan of your product.
- **24/7 Support:** Contact support via phone, email, or live chat for any inquiries or issues.

For warranty claims or technical assistance, please refer to the contact information provided on the COSTWAY official website or your purchase documentation.