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Argo 398000949

ARGO CLIMADESIGN 12000 BTU WiFi Inverter Air Conditioner User Manual

Model: 398000949

Introduction Safety Information Package Contents Setup & Installation Operating Instructions Maintenance Troubleshooting Specifications Warranty & Support

1. Introduction

This manual provides essential information for the safe and efficient operation of your ARGO CLIMADESIGN 12000 BTU WiFi Inverter Air Conditioner. Please read it thoroughly before installation and use, and keep it for future reference. This unit is designed to provide optimal comfort through cooling, heating, dehumidification, and ventilation functions, utilizing DC Inverter technology for energy efficiency and R32 ecological refrigerant.

Image 1.1: Overview of the ARGO CLIMADESIGN 12000 BTU WiFi Inverter Air Conditioner unit.

2. Safety Information

Always adhere to the following safety precautions to prevent injury or damage to the unit.

- **Professional Installation:** Installation, maintenance, and repairs must be performed by qualified personnel.
- **Power Supply:** Ensure the power supply matches the unit's specifications. Do not use damaged power cords or plugs.
- **Ventilation:** Do not block the air inlets or outlets of the indoor or outdoor units.
- **Refrigerant:** This unit uses R32 refrigerant. Handle with care and ensure proper ventilation during servicing.
- **Cleaning:** Disconnect power before cleaning. Use a soft, dry cloth. Do not use water directly on electrical components.
- **Children and Pets:** Keep children and pets away from the unit during operation and maintenance.
- **Flammable Materials:** Do not place flammable materials near the unit.

3. Package Contents

Verify that all items are present in the package:

- Indoor Unit
- Outdoor Unit
- Remote Control
- User Manual (this document)

Note: Installation accessories (e.g., piping, wiring, mounting brackets) are typically not included and must be sourced separately or provided by the installer.

4. Setup & Installation

Installation of this air conditioning system requires specialized knowledge and tools. It is strongly recommended that installation be performed by a certified professional to ensure proper functioning, safety, and compliance with local regulations.

4.1. Key Installation Features

- **Flexible Condensate Drain:** The unit offers double condensate drain possibilities (right or left) for maximum installation flexibility.
- **Tubing Length:** Maximum standard tubing length is 3-5 meters. Additional refrigerant charge may be required for lengths up to 20 meters.

4.2. Unit Dimensions

- **Indoor Unit (Net):** Height 285 mm / Width 750 mm / Depth 200 mm
- **Outdoor Unit (Net):** Height 455 mm / Width 650 mm / Depth 233 mm

Consult the professional installer for optimal placement and connection procedures.

5. Operating Instructions

Your ARGO CLIMADESIGN air conditioner offers various modes and functions for personalized comfort. All functions are controlled via the included remote control or the dedicated WiFi app.

5.1. Operating Modes

- **Cooling:** Reduces room temperature.
- **Heating:** Increases room temperature.
- **Dehumidification:** Reduces humidity levels in the air.
- **Ventilation:** Circulates air without cooling or heating.

5.2. Special Functions

- **iFEEL Function:** The remote control features a built-in sensor that continuously sends temperature signals to the indoor unit, ensuring comfort at the remote's location.
- **Personalized Airflow (3D SWING):** In addition to classic vertical oscillation, you can select horizontal oscillation (left/right) of the flap. The desired flap position can be set for customized airflow. Air throw up to 12 meters.
- **TURBO Function:** Quickly reaches the desired temperature in both cooling and heating modes.
- **SLEEP Function:** Automatically adjusts the set temperature to align with natural body temperature and ambient temperature changes, promoting comfortable sleep.
- **COLD DRAFT PREVENTION (Heating Mode):** In heating mode, the fan operates only when the evaporator is sufficiently warm, preventing cold air drafts.
- **ANTI-FUNGUS Function:** After the unit is turned off, the fan continues to operate for 10 minutes to thoroughly dry the heat exchanger, preventing mold and bacterial growth.
- **iCLEAN Function:** A self-cleaning function for the evaporator, consisting of 4 phases plus a 57°C sterilization phase. This ensures clean air output and preserves heat exchanger efficiency.

5.3. Fan Speeds

The unit offers 5 ventilation speeds:

- Turbo
- High
- Medium
- Low
- Quiet (super-low speed, not directly selectable via remote, associated with Quiet function)

5.4. WiFi Connectivity

The integrated WiFi module allows for quick connection and remote control of the unit's functions via a dedicated app. Refer to the app's instructions for pairing and usage.

5.5. Programmable Timer

Set a timer for automatic power-on and power-off according to your schedule.

6. Maintenance

Regular maintenance ensures optimal performance and longevity of your air conditioner. Always disconnect power before performing any maintenance.

6.1. iCLEAN Self-Cleaning Function

The iCLEAN function provides thorough and effective cleaning of the evaporator. It involves a sequence of condensation, ice formation, defrosting, and drying phases to eliminate dust, pollutants, and condensation residues. A final sterilization phase maintains the evaporating unit at 57°C for at least 10 minutes. Activate this function periodically to ensure clean air and preserve efficiency.

6.2. ANTI-FUNGUS Function

This function automatically runs for 10 minutes after the unit is switched off to dry the heat exchanger, preventing mold and bacterial growth. Ensure this function is not interrupted.

6.3. Outdoor Unit Heat Exchanger Treatment

The outdoor unit's heat exchanger fins feature a special "Gold" treatment, enhancing durability, especially in saline environments.

6.4. Filter Cleaning

Regularly clean the air filters of the indoor unit. Refer to the detailed instructions in the full manual for filter removal and cleaning procedures. Clean filters improve air quality and unit efficiency.

7. Troubleshooting

Before contacting technical support, review the following common issues and solutions.

7.1. AUTO DIAGNOSIS Function

The unit features an auto-diagnosis function. Any malfunction messages will be displayed on the LED display, facilitating targeted interventions by service personnel.

7.2. Common Issues

Problem	Possible Cause	Solution
Unit does not turn on	No power, circuit breaker tripped, remote control batteries low.	Check power supply, reset breaker, replace remote batteries.
Insufficient cooling/heating	Dirty air filters, blocked outdoor unit, wrong mode selected, doors/windows open.	Clean filters, clear obstructions, select correct mode, close openings.
Unusual noise	Loose parts, foreign objects, unit not level.	Inspect unit for loose parts or objects. Ensure unit is level. If noise persists, contact service.
Water leakage	Blocked condensate drain, improper installation.	Check and clear drain. If issue persists, contact professional installer.

If the problem persists after attempting these solutions, or if an error code is displayed, contact qualified service personnel. Do not attempt to repair the unit yourself.

8. Technical Specifications

Parameter	Value

Parameter	Value
Model Number	398000949
Nominal Cooling Capacity (min.-max.)	3.55 (0.60-3.10) kW
Nominal Heating Capacity (min.-max.)	3.6 (0.80-3.40) kW
Seasonal Efficiency (SEER)	6.2
Seasonal Efficiency (SCOP)	4.0/5.1
Seasonal Energy Consumption (Cooling)	192 kWh/annum
Seasonal Energy Consumption (Heating)	851/840/- kWh/annum
Indoor Unit Airflow	600-540-490-440-400 m^3/h
Dehumidification Capacity	0.8 l/h
Indoor Unit Sound Pressure	40-39-35-31-24 dB(A)
Outdoor Unit Sound Pressure	52 dB(A)
Indoor Unit Sound Power	54 dB(A)
Outdoor Unit Sound Power	61 dB(A)
Power Input (Heating)	1.09 (0.10-1.60) kW
Power Input (Cooling)	1.01 (0.30-1.50) kW
Refrigerant Charge	0.55 kg / 0.37 T.CO2 eq (R32)
Max. Tubing Length (standard charge)	3-5 m
Max. Tubing Length (with additional charge)	20 m
Indoor Unit Dimensions (H/W/D)	285/750/200 mm
Outdoor Unit Dimensions (H/W/D)	455/650/233 mm
Energy Class (Cooling)	A++
Energy Class (Heating, average climate)	A+

9. Warranty & Support

For warranty information, please refer to the warranty card included with your product or contact your local dealer or the manufacturer's official support channels. Keep your purchase receipt as proof of purchase. For technical assistance, troubleshooting beyond this manual, or spare parts, please contact authorized service centers or the ARGO customer support. Do not attempt unauthorized repairs, as this may void your warranty.

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