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> Argo Climadesign 18000 BTU Inverter WiFi Air Conditioner User Manual (Model CLIMADESIGN12)

Argo CLIMADESIGN12

Argo Climadesign 18000 BTU Inverter WiFi Air Conditioner

User Manual

1. INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of your Argo Climadesign multi-function air conditioner. This unit is designed to provide optimal comfort by cooling, heating, dehumidifying, and ventilating your space efficiently. It features DC Inverter technology for modulated capacity and ventilation, uses ecological R32 refrigerant, and includes integrated WiFi for remote control.

2. SAFETY INFORMATION

Please read all safety warnings and instructions carefully before installing or operating the unit. Improper installation, adjustment, alteration, service, or maintenance can cause property damage, injury, or death. Refer to the complete safety guidelines provided in the separate installation manual. Ensure the unit is installed by qualified personnel. Always disconnect power before performing any maintenance or service.

3. WHAT'S IN THE BOX

The product package includes the following components:

- Indoor Unit
- Outdoor Unit
- Remote Control

4. SETUP

4.1 Installation Type

This unit is a split-system air conditioner, requiring both an indoor and an outdoor unit for operation. Professional installation is recommended.

4.2 Condensate Drain Flexibility

The indoor unit offers maximum installation flexibility with a dual condensate drain option, allowing connection from either the right or the left side.

4.3 Refrigerant Piping

The maximum length of refrigerant piping with a standard charge is 3-5 meters. Additional refrigerant charge is required for piping lengths up to 25 meters.

5. OPERATING INSTRUCTIONS

5.1 Remote Control

The unit is controlled via a new digital remote control with an LCD display. This remote allows access to all functionalities of the air conditioner.



Image: The digital remote control with LCD display for the Argo Climadesign air conditioner.

5.2 WiFi Control (App)

The air conditioner features integrated quick-connect WiFi and a dedicated app, enabling remote control of all functions from your smartphone or tablet.

5.3 Operating Modes

- **Cooling (Raffrescamento):** For reducing room temperature.
- **Heating (Riscaldamento):** For increasing room temperature.
- **Dehumidification (Deumidificazione):** For reducing humidity levels.
- **Ventilation (Ventilazione):** For air circulation without temperature adjustment.

5.4 Key Functions

- **iFeel Function:** Ensures comfort conditions at the remote control's location. The remote control contains a sensor that continuously sends temperature signals to the indoor unit, allowing the unit to adjust operation for localized comfort.
- **Personalized Airflow (3D SWING):** In addition to classic vertical louver oscillation, horizontal (left/right) flap oscillation can be selected. You can set the desired flap position for a customized airflow direction. The unit can achieve an air throw distance of up to 12 meters.
- **Turbo Function:** Allows the unit to reach the desired temperature, in both cooling and heating modes, in the shortest possible time.

- **Sleep Function:** Automatically adjusts the set temperature to adapt to the natural changes in ambient and body temperature during sleep, promoting comfort and energy saving.
- **Cold Draft Prevention Function:** In heating mode, the fan operation is linked to the evaporator temperature. The fan will only start when the evaporator is sufficiently warm, ensuring that only adequately warm air is released into the room, preventing cold drafts.
- **Anti-Fungus Function:** When the unit is turned off, ventilation continues for 10 minutes. This process ensures the complete drying of the heat exchanger, thereby preventing the formation of mold and bacteria.

5.5 Fan Speeds

The unit offers 5 fan speed settings:

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

5.6 Programmable Timer

The unit features a programmable on/off timer, allowing you to set specific operating times.

6. MAINTENANCE

6.1 iClean Function (Evaporator Self-Cleaning)

The new Autoclean function is designed for thorough and effective cleaning of the evaporator. It consists of 4 sequential phases plus a 57 °C sterilization phase. You can activate the evaporator cleaning whenever desired. The function performs condensation, ice formation, defrosting, and drying phases to eliminate dust, pollutants, and condensation traces. A fifth sterilization phase follows, where the evaporating unit is maintained at 57 °C for at least 10 minutes. This ensures clean air delivery and preserves heat exchanger efficiency.

6.2 Outdoor Unit Heat Exchanger Treatment

The outdoor unit's heat exchanger fins feature a special "Gold" treatment. This treatment enhances durability, allowing the unit to be used safely even in saline environments.

6.3 Filter Maintenance

The unit is equipped with a pre-filter. Regular cleaning of the pre-filter is recommended to maintain optimal performance and air quality. Refer to the full installation manual for detailed filter cleaning instructions.

7. TROUBLESHOOTING

7.1 Auto-Diagnosis Function

The unit includes an auto-diagnosis function. Any malfunction messages are displayed on the LED display of the indoor unit. These messages facilitate targeted interventions by service technicians, helping to quickly identify and resolve issues. If a malfunction message appears, note the code and consult a qualified service technician. Do not attempt to repair the unit yourself.

8. SPECIFICATIONS



improve your life

ARGO CLIMADESIGN

Climatizzatori mono e multisplit
Single and multisplit air conditioners



Image: The indoor unit of the Argo Climadesign air conditioner.

Feature	Value
Model Name	CLIMADESIGN12
Nominal Cooling Capacity (min.-max.)	5.10 (1.30-5.30) kW
Nominal Heating Capacity (min.-max.)	5.40 (1.30-5.50) kW
Seasonal Efficiency (SEER)	6.7

Feature	Value
Seasonal Efficiency (SCOP)	4.0/5.3/-
Seasonal Energy Consumption (Cooling)	267 kWh/annum
Seasonal Energy Consumption (Heating)	1155/951/- kWh/annum
Indoor Unit Airflow	850-760-680-610-550 m ³ /h
Dehumidification Capacity	1.6 l/h
Indoor Unit Sound Pressure	46-42-39-35-25 dB(A)
Outdoor Unit Sound Pressure	54 dB(A)
Indoor Unit Sound Power	57 dB(A)
Outdoor Unit Sound Power	62 dB(A)
Absorbed Power (Heating)	1.52 (0.28-1.70) kW
Absorbed Power (Cooling)	1.40 (0.22-1.50) kW
Refrigerant Charge (R32)	0.80 kg / 0.54 T.CO2 eq
Max Piping Length (standard charge)	3-5 m
Max Piping Length (with additional charge)	25 m
Indoor Unit Dimensions (H/W/D)	310/900/225 mm
Outdoor Unit Dimensions (H/W/D)	537/715/280 mm
Energy Class (Cooling)	A++
Energy Class (Heating, average climate)	A+
Refrigerant Type	R-32
Noise Level	25 Decibel (min)
Filter Type	Prefilter
Inverter Type	DC Inverter
Compressor Type	Rotary Scroll
Control Method	App, Remote Control
Main Material	Plastic
Item Weight	11 Kilograms (Indoor Unit)

9. WARRANTY AND SUPPORT

9.1 Product Warranty

This product comes with a 2-year limited warranty. Please retain your proof of purchase for warranty claims.

9.2 Spare Parts Availability

Spare parts for this unit are available for a duration of 2 years within the EU.

9.3 Technical Support

For technical assistance, troubleshooting beyond the auto-diagnosis function, or warranty service, please contact your authorized Argo service center or retailer. Do not attempt to service the unit yourself.

