

argoclima GREE10143

ARGO CLIMA GREE10143 Trial Split Outdoor Unit Instruction Manual

Model: GREE10143

1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your ARGO CLIMA GREE10143 Trial Split Outdoor Unit. This unit is designed to work with compatible ARGO CLIMA indoor units, forming a high-efficiency air conditioning system. Please read this manual thoroughly before using the product and keep it for future reference.

The GREE10143 outdoor unit features DC Inverter technology, intelligent defrost, and an auto-restart function, ensuring optimal performance and energy savings. It operates with R32 refrigerant and boasts an A++/A+ energy efficiency rating.

2. SAFETY INFORMATION

Important: Always follow basic safety precautions when using electrical appliances to reduce the risk of fire, electric shock, or injury.

- Installation and maintenance must be performed by qualified and certified personnel only, in accordance with all local and national electrical and refrigeration codes.
- Do not attempt to repair or modify the unit yourself. Unauthorized repairs can lead to electric shock, fire, or water leakage.
- Ensure the power supply matches the specifications listed on the unit's nameplate.
- The unit must be properly grounded to prevent electric shock.
- Handle R32 refrigerant with care. It is a mildly flammable refrigerant. Ensure proper ventilation during installation and servicing.
- Keep children and pets away from the outdoor unit during operation and maintenance.
- Do not block the air inlets or outlets of the outdoor unit.

3. PRODUCT OVERVIEW

The ARGO CLIMA GREE10143 is an advanced outdoor unit designed for trial split air conditioning systems. It is engineered for high performance and energy efficiency, capable of operating effectively in both cooling and heating

modes down to -15°C ambient temperatures.

Key features include:

- **DC Inverter Technology:** Provides precise temperature control, reduced energy consumption, and quieter operation.
- **Intelligent Defrost:** Activates only when necessary, preventing energy waste and ensuring continuous heating performance.
- **Auto-Restart:** Automatically resumes operation with previous settings after a power outage.
- **Wide Compatibility:** Can be combined with various ARGO CLIMA indoor unit types, including U-CROWN, AMBER FAIRY, MUZE, MUZE PLUS, and PULAR series.
- **Low Ambient Operation:** Reliable performance in cooling and heating modes even at outdoor temperatures as low as -15°C.



Figure 3.1: ARGO CLIMA GREE10143 Trial Split Outdoor Unit. This image displays the ARGO CLIMA GREE10143 outdoor unit, a key component of the trial split air conditioning system.

4. SETUP AND INSTALLATION

Installation of the ARGO CLIMA GREE10143 outdoor unit requires specialized knowledge and tools. It must be performed by a certified HVAC technician.

4.1 Site Selection

- Choose a location that can support the unit's weight (approximately 47.52 kg).
- Ensure adequate space for air circulation around the unit and for future maintenance access.
- Avoid locations exposed to direct sunlight for prolonged periods or heavy rainfall without protection.
- Minimize the distance between the outdoor unit and the indoor units to optimize performance.

4.2 Mounting the Unit

Securely mount the outdoor unit on a stable, level surface using appropriate vibration-damping pads and anchors. Refer to the detailed installation guide provided with the product packaging for specific mounting instructions and dimensions (90 x 66 x 40 cm).

4.3 Refrigerant Piping

Connect the refrigerant lines between the outdoor unit and the respective indoor units. Ensure proper flaring, vacuuming, and charging procedures are followed for R32 refrigerant. The system is a trial split, meaning it connects to multiple indoor units.

4.4 Electrical Wiring

Connect the power supply and communication cables according to the wiring diagram provided in the full installation manual. All electrical connections must comply with local electrical codes. Ensure the unit is properly grounded.

5. OPERATING INSTRUCTIONS

The ARGO CLIMA GREE10143 outdoor unit is controlled via the connected indoor units and their respective remote controls. Refer to the indoor unit's manual for detailed operating instructions.

5.1 Basic Operation

- **Power On/Off:** Use the remote control of the indoor unit to turn the system on or off.
- **Mode Selection:** Select desired operating mode (Cool, Heat, Fan, Dry, Auto) via the indoor unit's remote control. The outdoor unit will adjust its operation accordingly.
- **Temperature Setting:** Adjust the desired temperature using the remote control. The DC Inverter technology will modulate compressor speed to maintain the set temperature efficiently.

5.2 Energy Efficiency

This unit is designed for high energy efficiency (A++/A+). To maximize energy savings:

- Set the temperature to a comfortable level and avoid extreme settings.
- Keep doors and windows closed while the system is operating.
- Ensure indoor unit filters are clean.

6. MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your ARGO CLIMA outdoor unit. Always disconnect power before performing any maintenance.

6.1 Outdoor Unit Cleaning

- **Coil Cleaning:** Periodically inspect the outdoor unit's condenser coils for dirt, leaves, and other debris. Gently clean them with a soft brush or vacuum cleaner. For heavy buildup, professional cleaning is recommended.
- **Casing Cleaning:** Wipe the exterior casing with a soft, damp cloth. Do not use harsh detergents or abrasive cleaners.
- **Drainage:** Ensure the drainage holes at the base of the unit are clear to prevent water accumulation.

6.2 Professional Servicing

It is recommended to have the system professionally inspected and serviced at least once a year by a qualified technician. This includes checking refrigerant levels, electrical connections, and overall system performance.

7. TROUBLESHOOTING

Before contacting service, review the following common issues and solutions:

Problem	Possible Cause	Solution
Unit does not start	No power supply; Remote control battery low; Circuit breaker tripped.	Check power connection; Replace remote batteries; Reset circuit breaker.
Insufficient cooling/heating	Dirty air filters (indoor unit); Blocked outdoor unit coils; Incorrect temperature setting; Doors/windows open.	Clean indoor unit filters; Clean outdoor unit coils; Adjust temperature; Close doors/windows.
Unusual noise from outdoor unit	Loose parts; Debris inside unit; Fan motor issue.	Inspect for loose parts or debris (after disconnecting power); If noise persists, contact service.
Water leakage from outdoor unit	Blocked drain hose; Condensation during defrost cycle (normal).	Clear drain hose; Observe if leakage occurs only during defrost (normal).

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

8. SPECIFICATIONS

The following specifications apply to the ARGO CLIMA GREE10143 Trial Split Outdoor Unit:

Feature	Specification
Brand	argoclima
Model Number	GREE10143
Type	Trial Split Outdoor Unit
Cooling Capacity	21000 BTU/h (6.1 kW)
Heating Capacity	6.5 kW
Refrigerant	R32
Energy Class (Cooling)	A++

Feature	Specification
Energy Class (Heating)	A+
Power Consumption (Cooling)	1.48 kW
Power Consumption (Heating)	1.43 kW
Airflow	3800 m³/h
Coverage Area	Up to 50 square meters
Dimensions (L x W x H)	90 x 66 x 40 cm
Weight	47.52 kg
Compressor Type	Inverter
Control Method	Remote (via indoor unit)
Operating Temperature Range	Down to -15°C (cooling and heating)

9. WARRANTY AND SUPPORT

Your ARGO CLIMA GREE10143 outdoor unit is backed by a manufacturer's warranty, ensuring quality and reliable operation. For specific warranty terms and conditions, please refer to the warranty card included with your product or contact the manufacturer directly.

For technical assistance, service requests, or inquiries regarding your product, please contact your authorized dealer or the ARGO CLIMA customer support. The seller, KLIKITALIA, also provides specialized customer assistance.

- **Manufacturer:** ARGOClima (GREE)
- **Seller:** KLIKITALIA
- **Return Policy:** Returnable within 14 days of delivery (if applicable, check seller's policy).

