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## Airton 5270/5500W

# Airton Reversible Heat Pump/Air Conditioner

Model: 5270/5500W (18000BTU)  
User Manual

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## 1. INTRODUCTION

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This manual provides detailed instructions for the installation, operation, and maintenance of your Airton Reversible Heat Pump/Air Conditioner, model 5270/5500W (18000BTU). This mono-split DC Inverter system is designed to provide efficient heating and cooling for areas up to 60m<sup>2</sup> (equivalent to 150m<sup>3</sup> volume).

The unit utilizes R32 refrigerant and operates on a 220-240V~ electrical supply, boasting high energy efficiency ratings of SEER 6.10 and SCOP 4, with an energy class of A++ for cooling and A+ for heating. Its modern design includes an LED display on the indoor unit, while the outdoor unit ensures powerful and reliable performance. Equipped with DC Inverter technology, the system can operate effectively in ambient temperatures as low as -15°C, contributing to energy savings of up to 60%. Additionally, the included WiFi kit allows for convenient control of your air conditioner via the "Smart Life - Smart Living" application on your smartphone or tablet.

## 2. SAFETY INFORMATION

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Please read all safety warnings and instructions carefully before installing or operating this appliance. Failure to follow these instructions may result in electric shock, fire, property damage, or personal injury.

### General Safety Precautions:

- **Electrical Safety:** Ensure the power supply matches the unit's requirements (220-240V~). Always disconnect power before performing any maintenance or service. Do not operate with wet hands.
- **Refrigerant (R32):** This unit contains R32 refrigerant, which is mildly flammable. Installation, servicing, and repair must be performed by qualified personnel only. Do not puncture or burn the refrigerant circuit. Ensure adequate ventilation during installation and servicing.

- **Installation:** Installation should be performed by a qualified professional to ensure proper setup and compliance with local regulations. Although this is a "Ready Clim" system, professional assistance is recommended for handling refrigerant and electrical connections.
- **Children and Pets:** Keep children and pets away from the unit, especially during operation and maintenance.
- **Ventilation:** Ensure proper ventilation around both indoor and outdoor units to prevent overheating and ensure efficient operation.
- **Cleaning:** Use only recommended cleaning agents. Do not spray water directly onto the unit.

Always refer to the specific safety warnings provided in the included warranty booklet.

### 3. PACKAGE CONTENTS

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Before beginning installation, verify that all components listed below are present and undamaged:

- Indoor Unit
- Outdoor Unit
- Pre-charged Refrigeration Connection (1/4 1/2 ReadyClim, 4 meters)
- WiFi Kit
- Remote Control + Batteries
- Electrical Wire
- Power Cable
- Indoor Mounting Bracket
- Dust Filters
- Condensate Drain Hose (2 meters)
- Insulating Tape
- Anti-vibration Blocks (4 units)
- User Manual (this document)
- Warranty Booklet



Figure 3.1: Complete Airton 18000BTU system with indoor unit, outdoor unit, and ReadyClim connection lines.

### 4. SETUP & INSTALLATION

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The Airton Ready Clim system is designed for simplified installation. However, due to the handling of refrigerant and electrical connections, it is highly recommended that installation be performed by a certified professional. If you

choose to install it yourself, proceed with extreme caution and ensure compliance with all local electrical and environmental regulations.

## 4.1. Choosing Installation Location

- **Indoor Unit:** Select a location that allows for even air distribution, is away from direct sunlight or heat sources, and has sufficient space for maintenance. Ensure the wall is strong enough to support the unit.
- **Outdoor Unit:** Choose a location with good airflow, away from obstacles that might block air intake or exhaust. Minimize the distance between the indoor and outdoor units to optimize performance. Ensure the outdoor unit is placed on a stable, level surface or mounted securely using the provided anti-vibration blocks.



Figure 4.1: Airton Indoor Unit.



Figure 4.2: Airton Outdoor Unit.

## 4.2. Mounting the Units

1. **Indoor Unit:** Secure the indoor mounting bracket to the wall according to the provided template. Ensure it is level and firmly attached.
2. **Outdoor Unit:** Place the outdoor unit on a stable, level surface or mount it on a suitable wall bracket (not included, but often recommended). Use the anti-vibration blocks under the outdoor unit to reduce noise and vibration.

## 4.3. Connecting Refrigerant Lines (Readyclim)

The Readyclim system features pre-charged refrigerant lines designed for easy connection. Follow these steps carefully:

1. Carefully uncoil the 4-meter pre-charged refrigeration connection lines.
2. Connect the larger diameter line (1/2 inch) to the corresponding port on both the indoor and outdoor units.
3. Connect the smaller diameter line (1/4 inch) to the corresponding port on both the indoor and outdoor units.
4. Ensure all connections are hand-tightened, then use a wrench to tighten them securely, but do not overtighten.
5. The system is designed to automatically release the refrigerant into the circuit once connections are properly made and tightened.



Figure 4.3: Readyclim Pre-charged Refrigerant Lines.

#### 4.4. Electrical Connections

1. Connect the electrical wire between the indoor and outdoor units as per the wiring diagram in the warranty booklet.
2. Connect the power cable to the outdoor unit and to a suitable 220-240V~ power outlet. Ensure the circuit is protected by an appropriate circuit breaker.
3. **Important:** All electrical work must comply with local electrical codes and regulations. If unsure, consult a qualified electrician.

#### 4.5. WiFi Module Installation

1. Locate the designated port for the WiFi module on the indoor unit.
2. Carefully insert the WiFi module into the port until it clicks into place.
3. Download the "Smart Life - Smart Living" application from the App Store (iOS) or Google Play Store (Android).
4. Follow the in-app instructions to pair your air conditioner with your smartphone or tablet.

### 5. OPERATING INSTRUCTIONS

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Your Airton air conditioner can be operated using the included remote control or via the "Smart Life - Smart Living" mobile application.

#### 5.1. Remote Control Operation

Insert the provided batteries into the remote control. The remote control allows you to adjust various settings:

- **Power Button:** Turns the unit ON or OFF.
- **Mode Button:** Cycles through operating modes:
  - **Cooling Mode (Snowflake icon):** For cooling the room.
  - **Heating Mode (Sun icon):** For heating the room.
  - **Fan Mode (Fan icon):** Circulates air without heating or cooling.
  - **Dry Mode (Water drop icon):** Dehumidifies the air.
  - **Auto Mode (A icon):** Automatically selects cooling or heating based on room temperature.
- **Temperature Adjustment Buttons (Up/Down arrows):** Adjust the desired temperature.
- **Fan Speed Button:** Changes the fan speed (Auto, Low, Medium, High).

- **Swing Button:** Controls the vertical louver swing for air direction.
- **Timer Button:** Sets the ON/OFF timer for scheduled operation.
- **Sleep Mode:** Adjusts temperature and fan speed for comfortable sleep.

## 5.2. Smart Life - Smart Living App Control

Once the WiFi module is installed and paired, you can control your air conditioner from anywhere using the "Smart Life - Smart Living" app:

- Open the "Smart Life - Smart Living" app on your smartphone or tablet.
- Select your Airton air conditioner from the device list.
- The app interface will allow you to:
  - Turn the unit ON/OFF.
  - Change operating modes.
  - Adjust temperature and fan speed.
  - Set schedules and timers.
  - Monitor current room temperature.
  - Access advanced settings and features.

## 6. MAINTENANCE

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

### 6.1. Cleaning Air Filters (Indoor Unit)

Clean the air filters every two weeks, or more frequently if the unit is used heavily or in dusty environments.

1. Open the front panel of the indoor unit.
2. Carefully remove the dust filters.
3. Wash the filters with lukewarm water and a mild detergent. Rinse thoroughly.
4. Allow the filters to air dry completely before reinserting them. Do not expose them to direct sunlight or heat.
5. Reinstall the dry filters and close the front panel.

### 6.2. Cleaning the Indoor Unit

Wipe the surface of the indoor unit with a soft, damp cloth. Do not use harsh chemicals, abrasives, or solvents, as these can damage the plastic surfaces.

### 6.3. Cleaning the Outdoor Unit

Periodically check the outdoor unit for debris, leaves, or dirt that might accumulate on the coils or fan blades. Carefully remove any obstructions. If the coils are very dirty, a professional cleaning may be required.

### 6.4. Seasonal Checks

- **Before Summer:** Ensure the outdoor unit is clear of obstructions. Check the condensate drain hose for blockages.
- **Before Winter:** Ensure the outdoor unit is clear of snow and ice.
- **Professional Inspection:** Consider an annual inspection by a qualified HVAC technician to ensure the system is operating efficiently and to check refrigerant levels.

## 7. TROUBLESHOOTING

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This section addresses common issues you might encounter. If the problem persists after attempting these solutions, contact Airton customer support or a qualified technician.

| Problem                         | Possible Cause  | Solution  |
|---------------------------------|---|---|
| Unit does not turn on.          | No power supply; Remote control batteries dead; Circuit breaker tripped.  | Check power connection; Replace remote control batteries; Reset circuit breaker.  |
| Insufficient cooling/heating.   | Dirty air filters; Temperature setting incorrect; Doors/windows open; Outdoor unit obstructed; Low refrigerant. | Clean air filters; Adjust temperature; Close doors/windows; Clear obstructions from outdoor unit; Contact technician for refrigerant check. |
| Unusual noise from unit.        | Loose parts; Fan obstruction; Unit not level; Anti-vibration blocks not installed.                              | Check for loose parts; Clear fan area; Ensure unit is level; Install anti-vibration blocks.   |
| Water leaking from indoor unit. | Clogged condensate drain hose; Unit not level.  | Clear drain hose blockage; Ensure indoor unit is level.   |
| WiFi connection issues.         | Incorrect WiFi password; Router too far; WiFi module not properly installed.                                    | Verify WiFi password; Move router closer or use extender; Reinstall WiFi module; Consult app's troubleshooting guide.                       |

## 8. SPECIFICATIONS

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Detailed technical specifications for the Airton 5270/5500W (18000BTU) Reversible Heat Pump/Air Conditioner.

| Feature                            | Detail  |
|------------------------------------|---|
| Brand                              | Airton  |
| Model Number                       | 5270/5500W  |
| Type                               | Mono-split DC Inverter Heat Pump / Air Conditioner            |
| Cooling Capacity                   | 5270W (18000BTU)  |
| Heating Capacity                   | 5500W (18000BTU)  |
| Recommended Area                   | Up to 60m <sup>2</sup> (150m <sup>3</sup> )                   |
| Refrigerant                        | R32 (Pre-charged)   |
| Power Supply                       | 220-240V~   |
| Energy Efficiency (Cooling)        | SEER 6.10 (A++)   |
| Energy Efficiency (Heating)        | SCOP 4 (A+)   |
| Indoor Unit Acoustic Power         | 31-47 dBA   |
| Outdoor Unit Acoustic Power        | 54 dBA  |
| Indoor Unit Dimensions (L x W x H) | 97.2 x 22.4 x 30.2 cm   |
| Total Product Weight               | 57.9 kg   |
| Special Features                   | Remote Controlled, Heating and Cooling Function, WiFi Enabled |

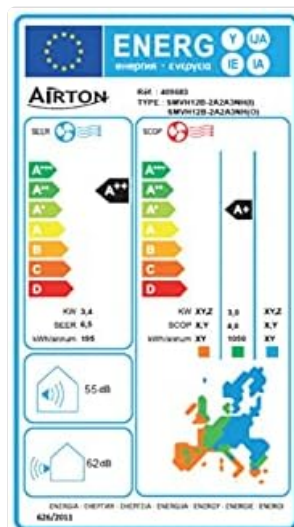


Figure 8.1: Airton Energy Efficiency Label.

## 9. WARRANTY & SUPPORT

Your Airton Reversible Heat Pump/Air Conditioner comes with a manufacturer's warranty. Please refer to the included **Warranty Booklet** for detailed information regarding warranty terms, conditions, and duration.

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact Airton customer

support. Contact details can typically be found in your warranty booklet or on the official Airton website.  
When contacting support, please have your product model number (5270/5500W) and purchase date ready.