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> ACHAZEL 18,000 BTU 19 SEER2 Mini Split Air Conditioner & Heater User Manual

## ACHAZEL 18,000 BTU - 230V / 19 SEER2

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Model: 18,000 BTU - 230V / 19 SEER2

## 1. INTRODUCTION

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This user manual provides essential information for the safe and efficient operation, installation, and maintenance of your ACHAZEL 18,000 BTU 19 SEER2 Wifi Enabled Mini Split Air Conditioner & Heater. Please read this manual thoroughly before installation and use, and retain it for future reference. This system is designed to provide efficient cooling and heating for spaces up to 1250 Sq. Ft.

## 2. SAFETY INFORMATION

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Your safety and the safety of others are paramount. Please observe all safety warnings and precautions outlined in this manual.

### General Safety Precautions

- Always disconnect power before performing any maintenance or service.
- Do not operate the unit with wet hands.
- Keep children and pets away from the unit during operation.
- Ensure proper ventilation around the outdoor unit.

### Electrical Safety

- This unit requires a 230V power supply. Ensure your electrical system can support this requirement.
- Do not use extension cords or adapter plugs with this unit.
- Ensure the unit is properly grounded to prevent electrical shock.

### Installation Safety

- **Professional installation is highly recommended for optimal performance and safety.**
- Ensure the mounting surface for the indoor unit is strong enough to support its weight.

- Handle refrigerant lines with care.
- Wear appropriate personal protective equipment (PPE) during installation.

### 3. PACKAGE CONTENTS

The ACHAZEL Mini Split AC package is delivered in separate boxes. Please verify all components are present upon delivery.



Figure 3.1: Package Contents Overview

- Indoor Fan Coil Section
- Outdoor Condenser Section
- Wireless Remote Controller with Holder
- 16 ft. L Line Set (pre-charged)
- Installation Accessories (mounting bracket, drainage hose, insulation tape, etc.)
- Vibration Absorber Feet for the Condensing Unit
- User Manual (this document)

## 4. SETUP AND INSTALLATION

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The installation of a mini split system involves electrical, refrigerant, and structural considerations. **It is strongly recommended that installation be performed by a qualified HVAC professional.**

### Key Installation Steps (Overview)

1. **Site Selection:** Choose appropriate locations for both the indoor and outdoor units, considering airflow, noise, and accessibility for maintenance.
2. **Mounting the Indoor Unit:** Securely attach the mounting plate to a sturdy wall, ensuring it is level.
3. **Drilling the Wall Hole:** Create a hole through the wall for the refrigerant lines, drain hose, and electrical cables.
4. **Connecting Piping and Wiring:** Connect the refrigerant lines, drain hose, and electrical wiring between the indoor and outdoor units.
5. **Vacuuming the Lines:** Evacuate the air and moisture from the refrigerant lines using a vacuum pump. This is a critical step for system efficiency and longevity.
6. **Releasing Refrigerant:** Open the valves on the outdoor unit to release the pre-charged refrigerant into the system.
7. **Mounting the Outdoor Unit:** Place the outdoor unit on a stable, level surface or a dedicated mounting pad, using the vibration absorber feet.
8. **Electrical Connection:** Connect the unit to the dedicated 230V power supply.



Figure 4.1: Unit Dimensions and Placement Example

Indoor Unit Dimensions: Approximately 43.31" (W) x 13.11" (H) x 8.74" (D)

Outdoor Unit Dimensions: Approximately 33.26" (W) x 27.51" (H) x 14.96" (D)

## 5. OPERATING INSTRUCTIONS

Your ACHAZEL Mini Split system offers various modes and features for customized comfort.

### Control Options

# Step Into A Smart World Remote

Control Your AC from Anywhere



Figure 5.1: Remote and Smart Control

- **Wireless Remote Controller:** Use the included remote for direct control of all functions.
- **WiFi Smart Control:** Download the dedicated app (available on App Store and Google Play) to control your AC unit from anywhere using your smartphone. This allows for convenient scheduling and mode adjustments.

## Operating Modes



Figure 5.2: 4-in-1 Multifunctional Operation

- **Cooling Mode:** Adjust temperature down to 61°F for effective cooling.
- **Heating Mode:** Adjust temperature up to 88°F for efficient heating.
- **Dehumidification Mode:** Reduces humidity in the air, improving air quality and comfort.
- **Fan Mode:** Circulates air without cooling or heating, with multiple fan speed options.
- **Auto Mode:** The unit automatically selects the appropriate mode (cooling, heating, or fan) based on the ambient temperature and your set temperature.

## Advanced Features



Figure 5.3: Considerate Features

- **Turbo Function:** Provides rapid cooling or heating to quickly reach the desired temperature.
- **24-Hour Timer:** Program the unit to turn on or off automatically at specific times.
- **Sleep Mode:** Optimizes temperature and fan speed for comfortable sleep, reducing noise levels to below 42dB.
- **I Feel Mode:** The remote control acts as a thermostat, sensing the temperature at its location and adjusting the unit's operation for precise comfort where you are.
- **Eco-friendly/Energy-saving Mode:** Operates the unit to minimize energy consumption while maintaining comfort.
- **4D Airflow:** Allows for multi-directional air distribution for even temperature throughout the room.



Figure 5.4: Sleep Mode Operation

## 6. MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your mini split system.

### Filter Cleaning

- Clean the air filters of the indoor unit regularly (e.g., every 2-4 weeks, depending on usage).
- To clean, open the front panel of the indoor unit, remove the filters, and wash them with lukewarm water and mild detergent. Rinse thoroughly and allow to air dry completely before reinserting.

### Self-Cleaning and Defrost Functions

## High Temperature Sterilization

Remove unwanted particles through the self-cleaning process



Figure 6.1: High Temperature Sterilization Process

- **High Temperature Sterilization:** The unit features a self-cleaning process that removes unwanted particles and helps maintain a cleaner indoor coil through frosting, defrosting, and 55°C high temperature drying. Refer to your remote control or app for initiating this function.
- **Automatic Defrost Function:** The outdoor unit is equipped with an automatic defrost function that prevents ice buildup on the outdoor coil during heating operation in cold weather, enhancing efficiency and extending the unit's lifespan.

## Outdoor Unit Maintenance

- Keep the area around the outdoor unit clear of debris, leaves, and snow to ensure proper airflow.
- Periodically clean the outdoor coil with a soft brush or water hose to remove dirt and dust. Ensure power is disconnected before cleaning.

## 7. 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; circuit breaker tripped; remote control batteries dead.	Check power supply; reset circuit breaker; replace remote control batteries.
Insufficient cooling/heating	Dirty air filters; blocked outdoor unit; incorrect mode setting; low refrigerant.	Clean air filters; clear obstructions from outdoor unit; select correct mode; contact professional for refrigerant check.
Unusual noise	Loose parts; fan obstruction; normal operating sounds (e.g., refrigerant flow).	Check for loose parts; remove obstructions; if noise persists or is abnormal, contact support.
Water leakage from indoor unit	Clogged drain hose; improper installation angle.	Clear drain hose; ensure proper slope of drain hose; professional re-installation may be required.

If the problem persists after attempting these solutions, please contact ACHAZEL customer support for assistance.

## 8. SPECIFICATIONS

Specification	Value
Model	18,000 BTU - 230V / 19 SEER2
Cooling/Heating Capacity	18,000 BTU
Voltage	230V
SEER2 Rating	19 SEER2
HSPF2 Rating	8.5 HSPF2
Coverage Area	Up to 1250 Sq. Ft.
Noise Level (Indoor)	< 42dB (in Sleep Mode)
Certifications	ETL Listed, AHRI Certified
Item Weight	76 pounds
Package Dimensions	43 x 16 x 13 inches

## 9. WARRANTY AND SUPPORT

ACHAZEL is committed to providing top-quality products and exceptional customer service.

### Warranty Information

- Your ACHAZEL Mini Split Air Conditioner & Heater comes with a **3-year compressor warranty**.
- Please retain your proof of purchase for warranty claims.
- The warranty covers defects in materials and workmanship under normal use. It does not cover damage due to improper installation, misuse, neglect, or unauthorized repairs.

### Customer Support

For any questions, technical assistance, or warranty claims, please contact ACHAZEL customer support. We provide a 100% satisfaction guarantee for your peace of mind.

Refer to your product packaging or the ACHAZEL official website for the most current contact information.