

## Senville SENA-33HF-16

# Senville AURA Series 33000 BTU Mini Split Air Conditioner Heat Pump User Manual

Model: SENA-33HF-16

## 1. PRODUCT OVERVIEW

The Senville AURA Series Mini Split Air Conditioner and Heat Pump is an energy-efficient climate control system designed for both cooling and heating. This 33000 BTU model (SENA-33HF-16) features inverter technology for optimal performance and is equipped with smart control capabilities.

### Key Features:

- **Energy Efficiency:** Energy Star Certified, UL Listed, and AHRI Certified for reliable and efficient operation.
- **Wide Operating Range:** Provides dependable cooling and heating in extreme conditions, from -22°F (-30°C) to 122°F (50°C).
- **Smart Control:** Compatible with Alexa for voice control and offers app-based control for remote operation and scheduling.
- **Quiet Operation:** Designed for low noise levels, enhancing indoor comfort.
- **Inverter Technology:** Advanced DC Inverter adjusts output to room needs, reducing energy waste and providing precise temperature control.
- **Comprehensive System:** Includes an indoor air handler, outdoor condenser, 16ft line set, and communication wire.

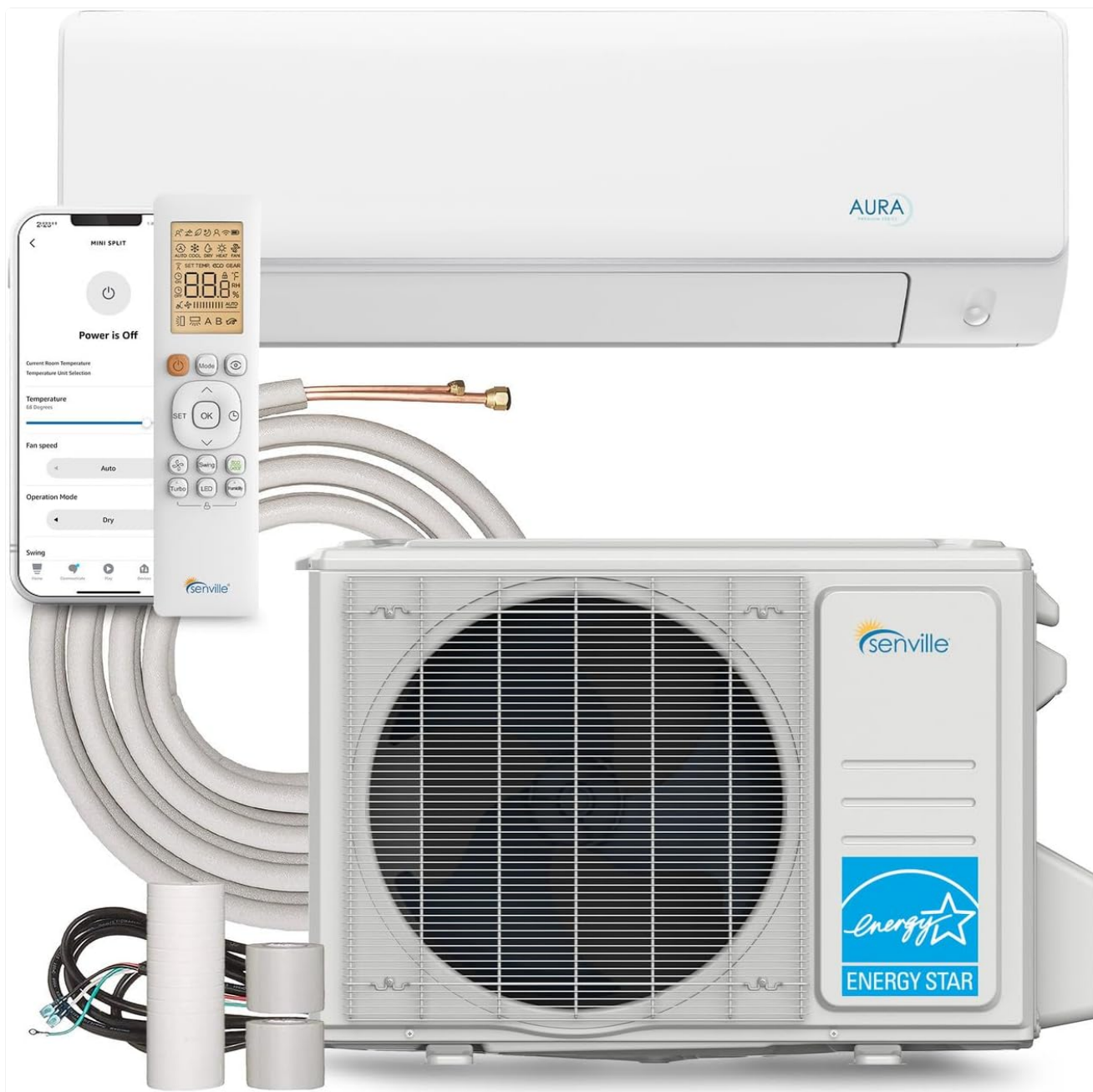


Figure 1: Overview of the Senville AURA Series Mini Split system, showing the indoor unit, outdoor unit, remote control, and connecting lines.

## 2. SAFETY INFORMATION

Please read all safety instructions carefully before installation and operation to prevent injury or damage. Keep this manual for future reference.

- **Professional Installation Required:** This unit requires professional installation by a qualified HVAC technician. Attempting DIY installation may void the warranty and pose safety risks.
- **Electrical Safety:** Ensure the unit is connected to a dedicated 208-230V DC power supply with appropriate circuit protection. All electrical work must comply with local and national electrical codes.
- **Refrigerant Handling:** The system contains refrigerant. Only qualified personnel should handle refrigerant lines and connections. Improper handling can lead to leaks and environmental damage.
- **Clearances:** Maintain adequate clearances around both indoor and outdoor units for proper airflow and maintenance.
- **Children and Pets:** Keep children and pets away from the unit during operation and maintenance.
- **Ventilation:** Do not block air inlets or outlets on either unit.

### 3. PACKAGE CONTENTS

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Verify that all components are present and undamaged upon unpacking:

- Indoor Air Handler Unit
- Outdoor Condenser Unit
- 16 Ft. Copper Line Set
- Communication Cable
- Remote Control
- WiFi Kit (for smart control functionality)
- User Manual (this document)

### 4. INSTALLATION AND SETUP

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Installation of the Senville AURA Series Mini Split system requires specialized tools and knowledge. It is mandatory for a qualified HVAC professional to perform the installation to ensure proper function, safety, and warranty validity.

#### 4.1 Site Selection

- **Indoor Unit:** Select a location that allows for even air distribution, away from direct sunlight or heat sources, and with sufficient wall strength to support the unit.
- **Outdoor Unit:** Choose a well-ventilated area, free from obstructions, and on a stable, level surface. Ensure adequate clearance for airflow and maintenance.

#### 4.2 Electrical Connections

- The unit operates on 208-230V DC. A dedicated circuit is required.
- All wiring must be performed by a licensed electrician in accordance with local and national electrical codes.
- Ensure proper grounding to prevent electrical shock.

#### 4.3 Refrigerant Line Set Connection

- The 16ft copper line set connects the indoor and outdoor units.
- Connections must be properly flared and torqued to prevent refrigerant leaks.
- A vacuum pump must be used to evacuate the line set before releasing refrigerant.

#### 4.4 WiFi Kit Installation (for Smart Control)

The included WiFi kit enables smart control features. Refer to the separate WiFi kit installation guide for detailed instructions on connecting it to your home network and integrating with the Senville app or Alexa.



# Smart Controls

Use voice or app control with Alexa, whether you are too busy to move your hand, or you are away from home. Easy plug and play the app after installing your Alexa Kit in the box.



Figure 2: Illustration of smart control functionality, showing a user interacting with Alexa and a mobile app to manage the Senville AURA system. The Alexa Kit must be installed for this feature.

## 5. OPERATING INSTRUCTIONS

The Senville AURA Series can be operated using the included remote control or via the Senville mobile app and Alexa voice commands after WiFi kit installation.

### 5.1 Remote Control Operation

The remote control provides direct access to all functions. Point the remote control towards the indoor unit when making adjustments.

- **Power On/Off:** Press the power button to turn the unit on or off.
- **Mode Selection:** Use the mode button to cycle through operating modes:
  - **Cool:** For cooling the room.
  - **Heat:** For heating the room.
  - **Fan:** Circulates air without heating or cooling.

- **Dry (Dehumidify):** Reduces humidity in the room.
- **Auto:** Automatically selects cooling or heating based on the set temperature.
- **Temperature Adjustment:** Use the up/down arrows to set the desired temperature.
- **Fan Speed:** Adjust the fan speed (Low, Medium, High, Auto) to control airflow.
- **Swing Function:** Activates or deactivates the automatic louver swing for even air distribution.
- **Timer Function:** Set the unit to turn on or off automatically at specified times.
- **Sleep Mode:** Adjusts temperature and fan speed for comfortable sleep and energy saving.

## 5.2 Smart Control via App and Alexa

Once the WiFi kit is installed and configured, you can control your Senville AURA system remotely.

- **Mobile App:** Download the Senville app to your smartphone. The app allows you to power on/off, change modes, adjust temperature, set schedules, and monitor the unit from anywhere.
- **Alexa Voice Control:** Integrate your Senville unit with Amazon Alexa. Use voice commands such as "Alexa, set my mini split to cooling" or "Alexa, turn on the air conditioner" to control the system hands-free.
- **Geolocation:** Utilize the geolocation feature in the app to automatically adjust temperatures based on your proximity to home, optimizing energy use.

## 6. MAINTENANCE

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Regular maintenance ensures optimal performance and longevity of your Senville AURA system. Always turn off the power supply to the unit before performing any maintenance.

### 6.1 Air Filter Cleaning

- The indoor unit's air filters should be cleaned every 2-4 weeks, or more frequently depending on usage and air quality.
- Open the front panel of the indoor unit and carefully remove the filters.
- Wash filters with lukewarm water and a mild detergent, or vacuum them to remove dust.
- Allow filters to dry completely before reinstalling.

### 6.2 Indoor Unit Cleaning

- Wipe the exterior of the indoor unit with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Ensure the condensate drain is clear and free of blockages.

### 6.3 Outdoor Unit Cleaning

- Keep the area around the outdoor unit clear of debris, leaves, and snow to ensure proper airflow.
- Periodically clean the outdoor coil fins with a soft brush or water hose. Be careful not to bend the fins.
- For thorough cleaning and inspection, it is recommended to schedule annual professional maintenance.

## 7. TROUBLESHOOTING

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Before contacting customer support, review the following common issues and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Unit does not turn on.	No power supply; circuit breaker tripped; remote control batteries low.	Check power connection; reset circuit breaker; replace remote control batteries.
Insufficient cooling/heating.	Dirty air filters; blocked outdoor unit; incorrect mode setting; temperature setting too high/low.	Clean air filters; clear obstructions from outdoor unit; select correct operating mode; adjust temperature setting.
Unusual noise from unit.	Loose parts; foreign objects; normal operating sounds (e.g., refrigerant flow, defrost cycle).	Inspect for loose components; remove any foreign objects. If noise persists or is abnormal, contact a professional.
Water leakage from indoor unit.	Blocked condensate drain; improper installation.	Check and clear condensate drain. If issue persists, professional inspection is required.
WiFi connection issues.	Incorrect WiFi setup; weak signal; router issues.	Refer to WiFi kit instructions for setup; ensure strong WiFi signal; restart router.

For issues not listed here or if troubleshooting steps do not resolve the problem, please contact Senville Customer Support.

## 8. PRODUCT SPECIFICATIONS

Feature	Detail
Brand	Senville
Model Number	SENA-33HF-16
Cooling Power	33000 British Thermal Units (BTU)
Capacity	2.75 Tons
Voltage	220 Volts (DC)
Seasonal Energy Efficiency Ratio (SEER)	19.5
BEE Star Rating	Energy Star
Noise Level	35 Decibels (Indoor Unit)
Product Dimensions (Outdoor Unit)	48 x 40 x 60 inches
Item Weight	157 pounds
Form Factor	Mini-Split
Special Feature	Alexa Enabled
Included Components	16 Ft. Copper Line, Communication Cable, Indoor Air Handler, Outdoor Condenser, Remote Control, WiFi Kit

Feature	Detail
Color	White
Start Year	2023

## 9. WARRANTY INFORMATION

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The Senville AURA Series Mini Split Air Conditioner Heat Pump comes with a limited warranty:

- **Parts Warranty:** 5 years
- **Compressor Warranty:** 10 years

**Important Warranty Conditions:**

- Professional installation by a qualified technician is **required** for the warranty to be valid.
- The warranty covers parts replacement only and does not cover labor costs.
- Replacement parts are available for purchase outside of the warranty period.
- Failure to adhere to installation and maintenance guidelines may void the warranty.

## 10. CUSTOMER SUPPORT

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For technical assistance, troubleshooting, or warranty inquiries, please contact Senville Customer Support:

- **Phone Support:** Speak directly with HVAC experts.
- **24/7 Live Chat:** Get answers to your questions day or night.
- Refer to the official Senville website for contact details and additional resources.