

## ACiQ ACiQ-K09W-W-HP230B

# ACiQ 20 SEER2 Essentials 9000 BTU Mini Split AC/Heating System User Manual

Model: ACiQ-K09W-W-HP230B

## 1. PRODUCT OVERVIEW

This manual provides essential information for the safe and efficient operation of your ACiQ 20 SEER2 Essentials 9000 BTU Mini Split AC/Heating System. This ductless heat pump system is designed to provide both cooling and heating for spaces approximately 250-400 sq. ft. in size, operating on 208/230V power.

Please read this manual thoroughly before installation, operation, or maintenance. Keep it for future reference.



Image: Overview of the ACiQ Mini Split System, showing the indoor unit, outdoor condenser, remote control, and a smartphone interface for WiFi control.

## 2. SAFETY INFORMATION

- **Professional Installation Required:** This unit is not a DIY installation. Installation, maintenance, and repair must be performed by a qualified, licensed HVAC professional. Improper installation can result in electric shock, fire, water leakage, or other hazards.
- **Electrical Safety:** Ensure the power supply matches the unit's requirements (208/230V). All electrical work must comply with local and national electrical codes. Disconnect power before servicing.
- **Refrigerant Handling:** The unit contains R454B refrigerant. Only qualified personnel should handle refrigerant. Ensure proper ventilation during installation and servicing.
- **Vacuuming Lines:** The refrigerant lines must be properly evacuated (vacuumed) by a professional to remove air and moisture before operation. Failure to do so will void the warranty and can cause system 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.

### 3. WHAT'S INCLUDED

Your ACiQ Mini Split System package includes the following components:



Image: A visual representation of all items included in the ACiQ Mini Split package, such as the indoor unit, outdoor unit, line set, remote, and various installation accessories.

1. Indoor Unit (Air Handler)
2. Outdoor Unit (Condenser)
3. Remote Control
4. 16ft Line Set (pre-charged for this length)
5. Wall Cap
6. Drain Lines
7. Power Cords
8. Mounting Hardware (screws, anchors)
9. AAA Batteries (for remote control)

10. User Manual (this document)
  11. Additional small parts like rubber feet, plastic wrap, plasticine, and a remote mount.
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## 4. INSTALLATION GUIDELINES

As stated in the safety information, installation of this ACiQ Mini Split System requires a qualified HVAC professional. The following points are general guidelines and not a substitute for professional expertise.

- **Site Selection:**
  - **Indoor Unit:** Choose a location that allows for optimal air distribution, sufficient wall strength to support the unit, and proper drainage. Avoid direct sunlight or heat sources.
  - **Outdoor Unit:** Select a stable, level surface with adequate clearance for airflow and maintenance. Avoid areas prone to excessive dust, debris, or direct exposure to strong winds.
- **Mounting:** Securely mount the indoor unit to a wall using the provided mounting plate and hardware. The outdoor unit should be placed on a sturdy pad or wall bracket.
- **Line Set Connection:** Connect the pre-charged 16ft line set between the indoor and outdoor units. Ensure all connections are tight and leak-free.
- **Electrical Wiring:** Connect the power supply (208/230V) and communication wiring according to the wiring diagram provided in the full installation manual (included with the product) and local electrical codes.
- **Drainage:** Install the drain line with a continuous downward slope to ensure proper condensate removal.
- **Vacuuming:** After all connections are made, the refrigerant lines must be evacuated using a vacuum pump to remove non-condensable gases and moisture. This step is critical for system performance and longevity.
- **Leak Check:** Perform a thorough leak check on all refrigerant connections.
- **Test Run:** After installation, perform a test run to verify proper operation in both cooling and heating modes.

**Important Note:** The unit comes pre-charged with refrigerant for up to a 25ft line set. If your line set is shorter, a professional will still need to vacuum the lines. If a longer line set is used, additional refrigerant may be required, which must be added by a certified technician.

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## 5. OPERATING INSTRUCTIONS

### 5.1 Remote Control Operation

The remote control allows you to manage all functions of your ACiQ Mini Split System. Insert the provided AAA batteries before first use.

# Remote Features



**I Feel  
Mode**



**Sleep  
Mode**



**Eco  
Mode**



**Mute  
Mode**



**Timers**



**Turbo  
Mode**

Image: Remote control features, illustrating icons for I Feel Mode, Sleep Mode, Eco Mode, Mute Mode, Timers, and Turbo Mode.

- **Power Button:** Turns the unit ON or OFF.
- **Mode Button:** Cycles through operating modes: Auto, Cool, Dry, Heat, Fan.
- **Temperature Adjustment:** Use the Up/Down arrows to set the desired temperature.
- **Fan Speed:** Adjusts the fan speed (Auto, Low, Medium, High).
- **Swing Button:** Controls the louver direction for optimal air distribution.
- **Timer Function:** Set the unit to turn ON or OFF automatically after a specified period.
- **Sleep Mode:** Adjusts temperature and fan speed for comfortable sleep and energy saving.
- **Eco Mode:** Optimizes operation for energy efficiency.
- **I Feel Mode:** The remote control senses the temperature at its location and adjusts the unit's operation for localized comfort.
- **Turbo Mode:** Provides rapid cooling or heating to reach the desired temperature quickly.
- **Mute Mode:** Reduces operational sounds for a quieter environment.

## 5.2 WiFi Control (Smart Device App)



Your ACiQ Mini Split System is equipped with built-in WiFi, allowing control via a smart device (iOS or Android) from anywhere. The app is compatible with Amazon Alexa, Google Assistant, and IFTTT.



Image: A user operating the ACiQ system remotely via a smartphone app, highlighting the WiFi control feature.

1. **Download App:** Download the "Smart Life" app from your device's app store (iOS or Android).
2. **Register/Login:** Create an account or log in to the Smart Life app.
3. **Add Device:** Follow the in-app instructions to add your ACiQ Mini Split System. This typically involves putting the unit into pairing mode (refer to the full manual for specific steps) and connecting it to your home WiFi network.
4. **Control:** Once connected, you can control all functions of the unit, including mode, temperature, fan speed, and scheduling, from your smartphone or tablet.
5. **Smart Home Integration:** Link the Smart Life app with Amazon Alexa, Google Assistant, or IFTTT for voice control and advanced automation.

## 6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your ACiQ Mini Split System. Always disconnect power to the unit before performing any maintenance.

- **Air Filter Cleaning (Monthly):**

- Open the front panel of the indoor unit.
- Remove the air filters.
- Clean filters with a vacuum cleaner or wash them with lukewarm water. Allow them to dry completely before reinstalling.

- **Indoor Unit Cleaning (Periodically):** Wipe the exterior of the indoor unit with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.

- **Outdoor Unit Cleaning (Seasonally):**

- Clear any debris (leaves, dirt, grass) from around the outdoor unit.
- Gently rinse the condenser coils with a garden hose to remove accumulated dirt. Be careful not to bend the fins.

- **Drain Line Check (Seasonally):** Ensure the condensate drain line is clear and free of obstructions to prevent water leakage.

- **Professional Inspection (Annually):** It is recommended to have a qualified HVAC technician inspect your system annually. This includes checking refrigerant levels, electrical connections, and overall system performance.

## 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, remote batteries dead, circuit breaker tripped.	Check power supply, replace remote batteries, reset circuit breaker.
Insufficient cooling/heating.	Dirty air filters, blocked outdoor unit, wrong mode selected, temperature setting incorrect, low refrigerant.	Clean air filters, clear outdoor unit, select correct mode, adjust temperature, contact professional for refrigerant check.
Water leakage from indoor unit.	Blocked drain line, improper installation.	Check and clear drain line, contact professional for inspection.
Unusual noise.	Loose parts, fan obstruction, compressor issue.	Turn off unit and inspect for obstructions. If noise persists, contact professional.
Remote control not working.	Dead batteries, obstruction between remote and unit, remote malfunction.	Replace batteries, remove obstructions, try resetting the remote.

For issues not listed here or if solutions do not resolve the problem, please contact ACiQ customer support or a qualified HVAC technician.

## 8. SPECIFICATIONS

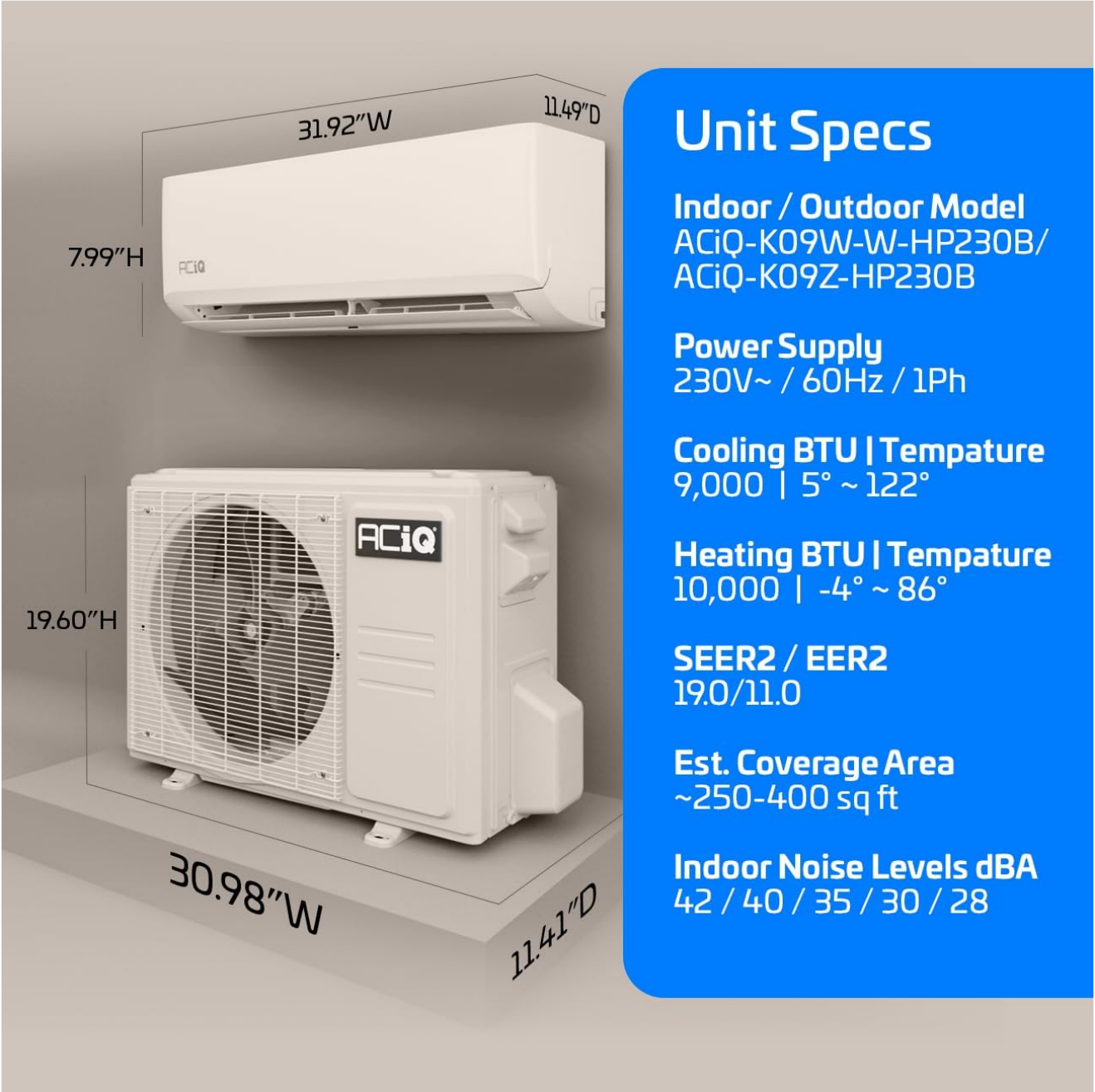


Image: Technical specifications and dimensions for the ACiQ Mini Split Indoor and Outdoor Units.

Feature	Detail
Model Number	ACiQ-K09W-W-HP230B / ACiQ-K09Z-HP230B
Capacity	9,000 BTU (0.75 Ton)
SEER2 Efficiency	20.0
Power Supply	230V~ / 60Hz / 1Ph
Cooling Operating Range	5°F to 122°F outdoor temperature
Heating Operating Range	-4°F to 86°F outdoor temperature
Estimated Coverage Area	250-400 sq ft
Indoor Unit Dimensions (H x W x D)	7.99" x 31.92" x 11.49"



Feature	Detail
Outdoor Unit Dimensions (H x W x D)	19.60" x 30.98" x 11.41"
Indoor Noise Level	As low as 28 dBA
Refrigerant Type	R454B
Special Features	Built-in WiFi, Ultra-quiet operation, Full installation kit, Heats in -4°F temps

## 9. WARRANTY AND SUPPORT

ACiQ provides a comprehensive warranty for your peace of mind.

# Warranty

## 6-Year Compressor & 4-Year Parts Warranty\*

Best in Class  
Customer Service



**ACiQ®**  
\*With Online Registration at ACiQ.com





Image: ACiQ warranty details, indicating 6-year compressor and 4-year parts coverage.

- **Compressor Warranty:** 6 years

- **Parts Warranty:** 4 years
- **Warranty Registration:** To activate your warranty, you must register your system online with the manufacturer at [ACiQ.com](https://www.aciq.com). Failure to register may affect warranty coverage.
- **Support:** For technical assistance, warranty claims, or service inquiries, please visit the official ACiQ website or contact their customer support directly.

Please retain your proof of purchase for warranty purposes.

## Related Documents - ACiQ-K09W-W-HP230B

 <p><b>ACiQ ESSENTIALS</b> MINI SPLIT AIR HANDLER &amp; CONDENSER <b>INSTALLATION &amp; OWNER'S MANUAL</b></p> <p>Models Covered: ACQ-K09W-W-HP113B ACQ-K12W-W-HP113B ACQ-K15W-W-HP113B ACQ-K09W-W-HP133B ACQ-K12W-W-HP133B ACQ-K15W-W-HP133B ACQ-K09W-W-HP230B ACQ-K12W-W-HP230B ACQ-K15W-W-HP230B ACQ-K09W-W-HP250B ACQ-K12W-W-HP250B ACQ-K15W-W-HP250B ACQ-K09W-W-HP270B ACQ-K12W-W-HP270B ACQ-K15W-W-HP270B</p> <p>VERSION DATE: 01-21-20</p>	<p><a href="#">ACiQ Essentials Mini-Split Air Handler &amp; Condenser Installation and Owner's Manual</a></p> <p>Comprehensive installation and owner's manual for ACiQ Essentials Mini-Split Air Handler and Condenser systems, covering safety precautions, parts identification, remote control operation, installation procedures, test runs, maintenance, and troubleshooting for various models. The manual also includes critical information regarding the servicing of systems using flammable refrigerant R454B, emphasizing safety protocols and regulatory compliance. It is designed for professional installers and end-users to ensure safe and efficient operation of ACiQ mini-split heat pump systems.</p>
 <p><b>ACiQ</b> SLIM CEILING CASSETTE &amp; PLATINUM CONDENSER <b>SERVICE MANUAL</b></p> <p>Models Covered: SCC-K09W-W-HP113B SCC-K12W-W-HP113B SCC-K15W-W-HP113B ACQ-K09W-W-HP113B ACQ-K12W-W-HP113B ACQ-K15W-W-HP113B</p> <p>VERSION DATE: 01-21-20</p>	<p><a href="#">ACiQ Slim Ceiling Cassette &amp; Platinum Condenser Service Manual</a></p> <p>Service manual for ACiQ Slim Ceiling Cassette and Platinum Condenser units, detailing safety, installation, maintenance, and troubleshooting for models SCC and ACiQ-ZPL.</p>
 <p><b>ACiQ</b> 9K-24K STANDARD HEAT SINGLE-ZONE SYSTEMS <b>INSTALLATION &amp; OWNER'S MANUAL</b></p> <p>Models Covered: ACQ-K09W-W-HP113B ACQ-K12W-W-HP113B ACQ-K15W-W-HP113B ACQ-K09W-W-HP133B ACQ-K12W-W-HP133B ACQ-K15W-W-HP133B ACQ-K09W-W-HP230B ACQ-K12W-W-HP230B ACQ-K15W-W-HP230B ACQ-K09W-W-HP250B ACQ-K12W-W-HP250B ACQ-K15W-W-HP250B ACQ-K09W-W-HP270B ACQ-K12W-W-HP270B ACQ-K15W-W-HP270B</p> <p>VERSION DATE: 01-21-20</p>	<p><a href="#">ACiQ 9K-24K Standard Heat Single-Zone Systems: Installation &amp; Owner's Manual</a></p> <p>ACiQ 9K-24K Standard Heat Single-Zone Systems Installation &amp; Owner's Manual. This guide details installation, operation, safety, and maintenance for ACiQ air conditioners, including model specifics and R454B refrigerant information.</p>
 <p><b>ACiQ</b> EXTREME HEAT SINGLE-ZONE CONDENSER &amp; CONCEALED DUCT AIR HANDLER <b>INSTALLATION MANUAL</b></p> <p>Models Covered: ACQ-K09W-W-HP113B ACQ-K12W-W-HP113B ACQ-K15W-W-HP113B ACQ-K09W-W-HP133B ACQ-K12W-W-HP133B ACQ-K15W-W-HP133B ACQ-K09W-W-HP230B ACQ-K12W-W-HP230B ACQ-K15W-W-HP230B ACQ-K09W-W-HP250B ACQ-K12W-W-HP250B ACQ-K15W-W-HP250B ACQ-K09W-W-HP270B ACQ-K12W-W-HP270B ACQ-K15W-W-HP270B</p> <p>VERSION DATE: 01-21-20</p>	<p><a href="#">ACiQ Extreme Heat Single-Zone Condenser &amp; Concealed Duct Air Handler Installation Manual</a></p> <p>Installation manual for ACiQ Extreme Heat Single-Zone Condenser and Concealed Duct Air Handler systems (models ACiQ-09CD-HH-MC to ACiQ-60CD-HH-MC and ACiQ-09ZPL-HP230C to ACiQ-60ZPL-HP230C). Includes safety, installation steps, and specifications.</p>



**WALL-MOUNTED AIR HANDLER  
& EXTREME HEAT SINGLE-ZONE CONDENSER  
INSTALLATION & OWNER'S  
MANUAL**

Models Covered:  
ACIQ-06W-HH-MD ACIQ-06ZPL-HP230C  
ACIQ-09W-HH-MD ACIQ-09ZPL-HP230C  
ACIQ-12W-HH-MD ACIQ-12ZPL-HP230C  
ACIQ-15W-HH-MD ACIQ-15ZPL-HP230C  
ACIQ-18W-HH-MD ACIQ-18ZPL-HP230C  
ACIQ-24W-HH-MD ACIQ-24ZPL-HP230C



This manual covers the installation, operation, and safety guidelines for ACiQ wall-mounted air handlers and extreme heat single-zone condensers, covering models ACIQ-06W-HH-MD through ACIQ-24ZPL-HP230C.

VERSION DATE: 02-28-23

[ACiQ Wall-Mounted Air Handler & Extreme Heat Single-Zone Condenser Installation & Owner's Manual](#)

This manual provides detailed installation, operation, and safety guidelines for ACiQ wall-mounted air handlers and extreme heat single-zone condensers, covering models ACIQ-06W-HH-MD through ACIQ-24ZPL-HP230C.



(2023) Rev. 02/28/23

WARRANTY INFORMATION	
Model	
Serial Number	
Installation Date	
Installer Name	
Installer Address	
Installer Phone	
Installer Email	
Customer Name	
Customer Address	
Customer Phone	
Customer Email	
Installer Signature	
Customer Signature	
Warranty Period	
Warranty Coverage	
Exclusions	
Arbitration Process	

[ACiQ Essentials Limited Warranty Certificate and Conditions](#)

Details the ACiQ Essentials Limited Warranty, including warranty periods, conditions for coverage, exclusions, and the arbitration process for ACiQ HVAC systems.