

ACiQ ACiQ-60-HPD

ACiQ 5 Ton 16 SEER2 Heat Pump Condenser

MODEL: ACiQ-60-HPD

Brand: ACiQ

Introduction

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your ACiQ 5 Ton 16 SEER2 High Efficiency Heat Pump Condenser. Please read all instructions carefully before installation and use. Professional installation by a certified technician is required to ensure proper function and warranty validity.



Figure 1: ACiQ 5 Ton 16 SEER2 Heat Pump Condenser outdoor unit.

Setup and Installation

Installation of the ACiQ Heat Pump Condenser requires specialized knowledge and tools. It must be performed by a qualified HVAC technician. Key considerations include:

- **Outdoor Unit Placement:** Ensure adequate clearance around the unit for proper airflow and maintenance. The compact design allows for a smaller footprint compared to traditional units.
- **Refrigerant:** This unit uses R-454B refrigerant. Proper handling and charging procedures must be followed.
- **Air Handler Unit:** The system supports a multi-positional air handler unit, allowing for upflow, downflow, or horizontal installation to suit various ducting designs.
- **Electrical Connections:** All electrical wiring must comply with local codes and standards.



Figure 2: Outdoor unit size comparison, highlighting the ACiQ's smaller footprint.



Figure 3: Multi-positional air handler unit for flexible installation (upflow, downflow, horizontal).

Operating Instructions

Your ACiQ Heat Pump Condenser is designed for high efficiency and reliable performance across a wide range of temperatures. It features advanced inverter technology for precise temperature control and reduced energy consumption.

- **Temperature Range:** This unit delivers reliable warmth down to -22°F and provides effective cooling up to 122°F.
- **Quiet Operation:** The inverter technology ensures whisper-quiet operation, minimizing noise disruptions.
- **Smart Control:** Compatible with Wi-Fi smart thermostats for convenient control and optimization of your home's climate.



Figure 4: The ACiQ unit's capability to operate in extreme cold (down to -22°F) and extreme heat (up to 122°F).

Coverage Terms

6-Year Compressor & 4-Year Parts Covered*

Best-in-Class Support Team

*With Online Registration at ACiQ.com



Figure 5: The ACiQ heat pump operates quietly, ensuring no interruptions.

Video 2: ACiQ HPD System overview, demonstrating its performance and features.

Maintenance

Regular maintenance is crucial for the longevity and efficiency of your ACiQ Heat Pump Condenser. While some tasks can be performed by the homeowner, annual professional servicing is highly recommended.

- **Self-Cleaning Function:** The unit features a self-cleaning mechanism that automatically clears debris,

reducing the need for frequent manual cleaning.

- **Filter Replacement:** Regularly check and replace air filters in your indoor air handler unit as per manufacturer recommendations to maintain optimal airflow and air quality.
- **Professional Inspection:** Schedule annual inspections and tune-ups with a certified HVAC technician to ensure all components are functioning correctly and to prevent potential issues.



Figure 6: The ACiQ unit's self-cleaning feature automatically clears debris.

Troubleshooting

If you experience issues with your ACiQ Heat Pump Condenser, consider the following basic troubleshooting steps. For complex problems, always contact a qualified technician.

- **No Power:** Check the circuit breaker and ensure the unit is properly connected to the power supply.
- **Insufficient Heating/Cooling:** Verify thermostat settings, check air filters for blockage, and ensure outdoor unit is free of obstructions.
- **Unusual Noises:** Minor noises are normal during operation. However, loud or persistent unusual noises may indicate a problem and require professional inspection.
- **Error Codes:** If your thermostat or unit displays an error code, consult your technician or the full product manual for specific meanings and solutions.

Do not attempt to repair internal components yourself. This can void your warranty and pose safety risks.

Specifications

Feature	Detail
Brand Name	ACiQ
Model Number	ACiQ-60-HPD
Product Dimensions	16.34"D x 37.48"W x 52.48"H
Efficiency (SEER2)	16 SEER2 (18.0 SEER)
Capacity	5 Ton (60,000 BTU) / 4.69 Tons

Noise Level	56 Decibels
Installation Type	Split System
Form Factor	Split System
Special Features	Inverter Condenser, Learning System
Refrigerant	R-454B
Power Source	Corded Electric

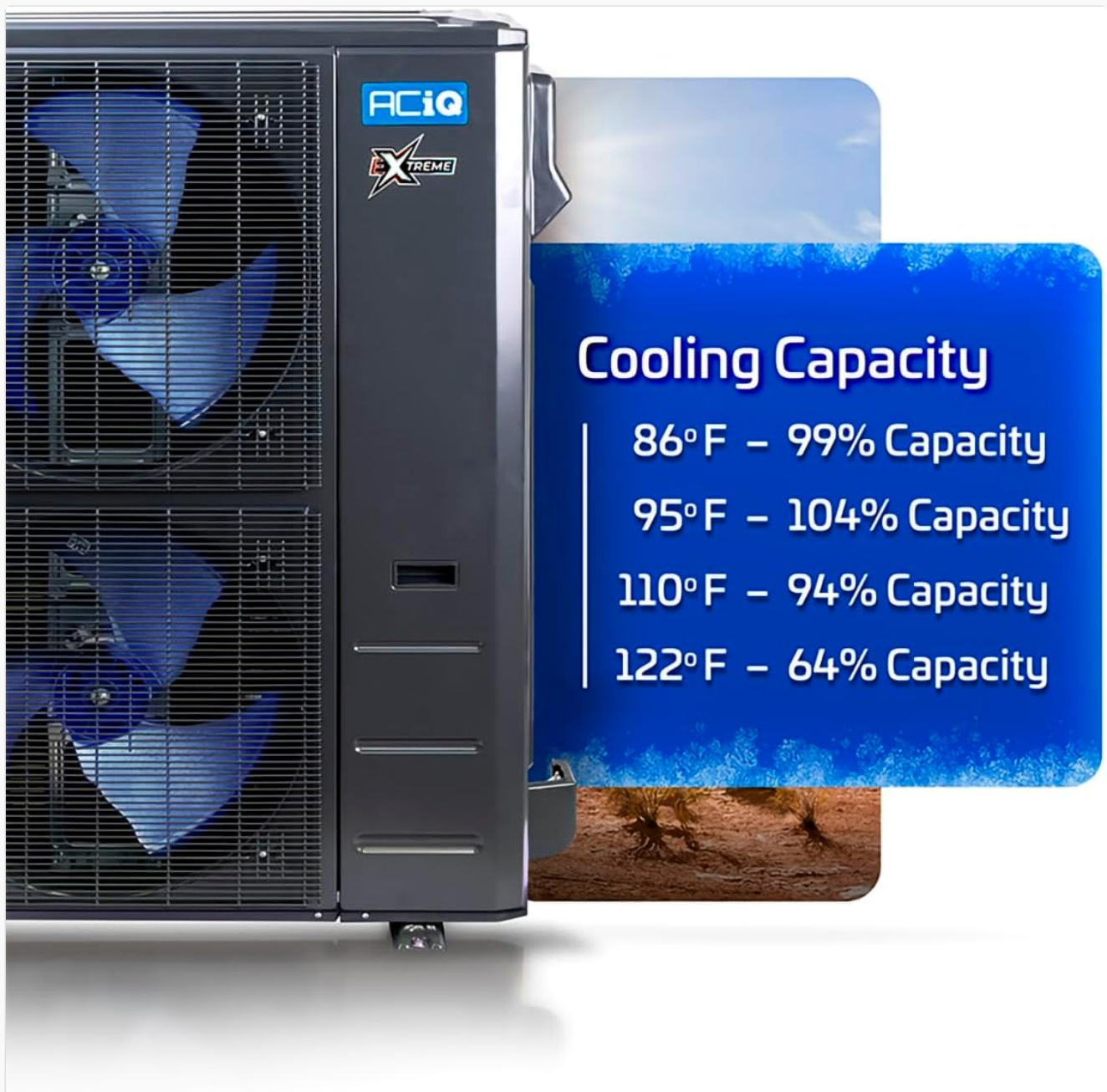


Figure 7: Cooling Capacity performance at various ambient temperatures.

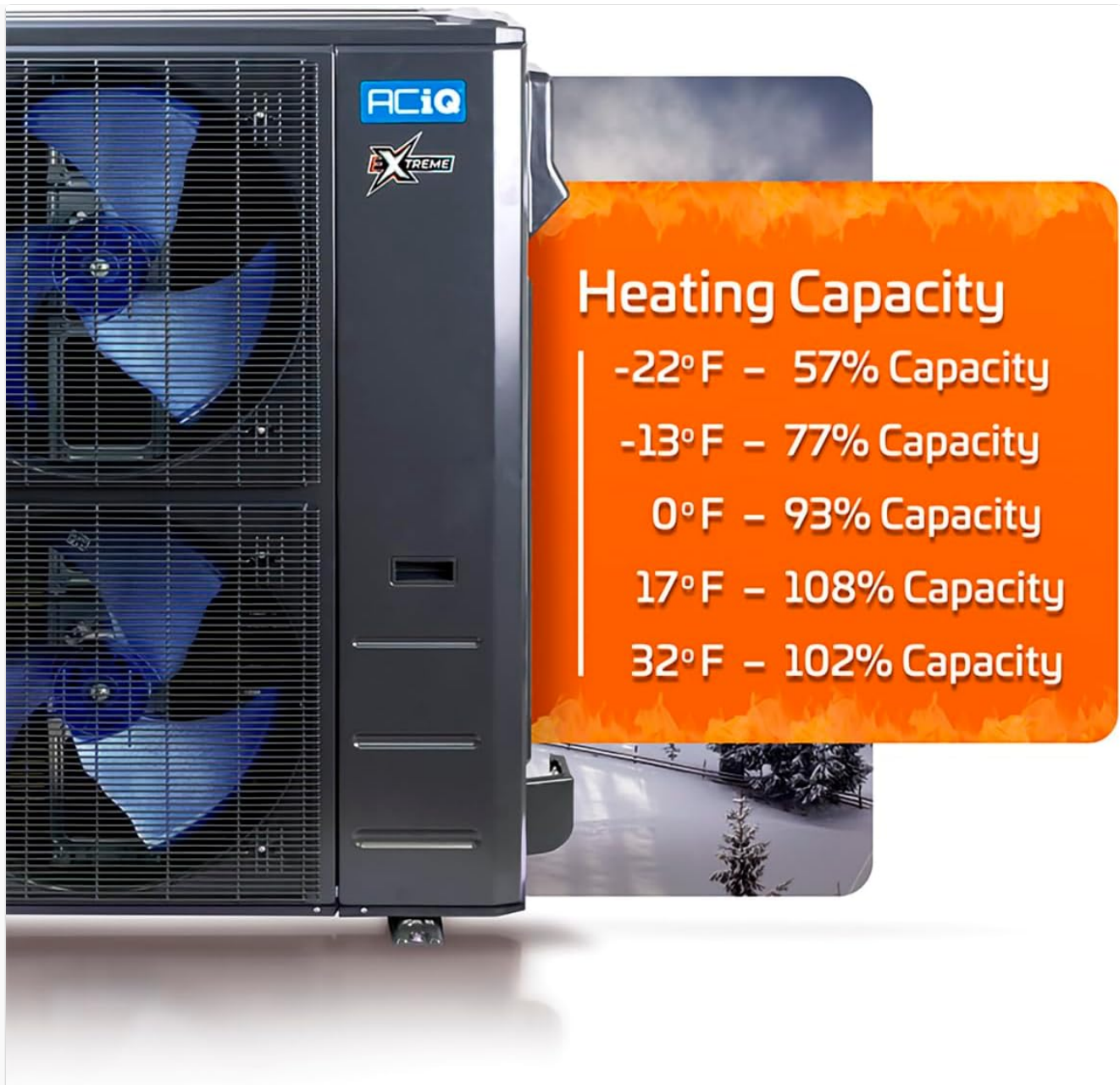


Figure 8: Heating Capacity performance at various ambient temperatures.

Warranty Information

Your ACiQ Heat Pump Condenser comes with a comprehensive warranty:

- **7-Year Parts Warranty**
- **12-Year Compressor Warranty**

These warranty terms are valid when the unit is installed by a certified technician and registered online with the manufacturer at no additional charge. Please retain your proof of purchase and installation records for warranty claims.



Figure 9: Warranty coverage terms for ACiQ products.

Support

For technical assistance, service, or any questions regarding your ACiQ Heat Pump Condenser, please contact your certified ACiQ dealer or the manufacturer's support team. Our dedicated support team is available to provide assistance.

Visit the official ACiQ website for additional resources, FAQs, and contact information: [ACiQ Store](#)