

Klimaïre KSIR036H218

Klimaïre KSIR036H218 3 Ton Light Commercial Floor/Ceiling Inverter Heat Pump System User Manual

Model: KSIR036H218

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Klimaïre KSIR036H218 3 Ton Light Commercial Floor/Ceiling Inverter Heat Pump System. Please read this manual thoroughly before using the unit and retain it for future reference. Proper understanding and adherence to these instructions will ensure optimal performance and longevity of your system.

2. SAFETY INFORMATION

Important: Installation and service of this equipment must be performed by a licensed HVAC technician. Improper installation or service can result in electric shock, fire, property damage, personal injury, or death.

- Always disconnect power to the unit before performing any maintenance or service.
- Ensure proper grounding to prevent electrical shock.
- Do not attempt to repair or modify the unit yourself. Contact a qualified service technician.
- Keep children and pets away from the outdoor unit.
- Ensure adequate ventilation around the outdoor unit.

3. PRODUCT OVERVIEW

The Klimaïre KSIR036H218 is a versatile 3-ton light commercial inverter heat pump system designed for efficient heating and cooling in various commercial environments. Its flexible design allows for floor, low-wall, or ceiling suspension mounting.

Key Features

- Inverter technology for energy efficiency and precise temperature control.
- Extremely quiet operation, suitable for heavy traffic and public areas.

- Flexible installation: ceiling, low wall, or floor mounting.
- Includes a wireless remote control for convenient operation.
- Multiple operating modes: Cooling, Heating, Fan, and Dehumidification.
- Advanced functions: 24-hour timer, sleep mode, auto restart, refrigerant leak detection.
- 3D airflow with auto swing louvers for even air distribution.
- Built-in base pan heater for reliable operation down to 5°F.
- Washable, reusable air filter for easy maintenance.

Components Included

- Indoor Floor/Ceiling Unit
- Outdoor Condenser Unit
- Wireless Remote Control
- Wall Bracket
- 15-ft Installation Kit (refrigerant piping, electrical wiring, drain hose, insulation)

Product Visuals



Figure 1: Overview of the Klimaire 3 Ton Heat Pump System, including the indoor unit, outdoor condenser, remote control, and installation kit.



Figure 2: The indoor unit demonstrating its versatility for both ceiling-suspended and floor-level mounting configurations.



Figure 3: The compact outdoor condenser unit, designed for minimal ground space and wall-mount compatibility.



Figure 4: The included 15-foot installation kit, containing refrigerant piping, electrical wiring, and other necessary components.

4. SETUP AND INSTALLATION

Warning: This system requires professional installation by a licensed HVAC technician. Attempting to install this unit without proper qualifications can void the warranty and lead to serious hazards.

- **Site Selection:** Choose an installation location that allows for proper airflow, drainage, and maintenance access for both indoor and outdoor units.
- **Indoor Unit Mounting:** The indoor unit can be mounted on the ceiling, low on a wall, or directly on the floor. Ensure the mounting surface is strong enough to support the unit's weight.
- **Outdoor Unit Placement:** The outdoor condenser is pre-charged with refrigerant for up to 25 feet of piping. It can be placed on a level ground surface or mounted to a wall using the provided wall brackets.
- **Refrigerant Piping:** Connect the pre-charged outdoor unit to the pre-vacuumed indoor unit using the provided installation kit. Ensure all connections are leak-free.
- **Electrical Connections:** Connect the unit to a dedicated power supply according to local electrical codes. The system operates on 208-230V.
- **Drainage:** Install the drain hose to ensure proper condensation removal from the indoor unit.

5. OPERATING INSTRUCTIONS

Your Klimate heat pump system is controlled via the included wireless remote control. Familiarize yourself with the remote's functions for optimal use.





Figure 5: The wireless remote control for operating the Klimaire heat pump system.

Remote Control Functions

- **ON/OFF Button:** Powers the unit on or off.
- **MODE Button:** Cycles through operating modes: Auto, Cool, Heat, Fan, Dry (Dehumidification).
- **TEMP Buttons (Up/Down):** Adjusts the desired temperature setting.
- **FAN Button:** Selects fan speed (Auto, Low, Medium, High).
- **SWING Button:** Activates or deactivates the automatic louver swing for even air distribution.
- **TIMER ON/OFF:** Sets the automatic on/off times for the unit.
- **SLEEP Mode:** Adjusts temperature settings automatically during sleep for comfort and energy saving.
- **TURBO Mode:** Provides rapid cooling or heating for a short period.

Operating Modes

- **Cooling Mode:** Provides cooling to maintain the set temperature.
- **Heating Mode:** Provides heating to maintain the set temperature, effective down to 5°F ambient temperature.
- **Fan Mode:** Circulates air without heating or cooling.
- **Dry (Dehumidification) Mode:** Reduces humidity in the room.
- **Auto Mode:** The unit automatically selects the appropriate mode (Cool, Heat, or Fan) based on the room temperature and your set temperature.

Auto Restart: In case of a power interruption, the unit will automatically restart with the previous settings once power is restored.

6. MAINTENANCE

Regular maintenance ensures efficient operation and extends the lifespan of your heat pump system. Always disconnect power before performing maintenance.

- **Air Filter Cleaning:** The indoor unit features a washable, reusable air filter. Clean the filter every 2-4 weeks, or more frequently depending on usage and air quality. Remove the filter, wash it with mild detergent and water, rinse thoroughly, and allow it to dry completely before reinserting.
- **Indoor Unit Cleaning:** Wipe the exterior of the indoor unit with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Outdoor Unit Cleaning:** Periodically clear any debris (leaves, dirt) from around the outdoor condenser

unit. Ensure the coils are clean and free of obstructions. A garden hose can be used to gently rinse the coils.

- **Professional Inspection:** It is recommended to have a licensed HVAC technician perform an annual inspection and professional cleaning to ensure all components are functioning correctly and to check refrigerant levels.

7. TROUBLESHOOTING

Before contacting service, review the following common issues and solutions. If the problem persists, contact a licensed HVAC technician.

Problem	Possible Cause	Solution
Unit does not turn on	No power supply; Remote control batteries low; Circuit breaker tripped	Check power connection; Replace remote batteries; Reset circuit breaker
Insufficient cooling/heating	Dirty air filter; Blocked outdoor unit; Incorrect mode setting; Low refrigerant	Clean air filter; Clear obstructions from outdoor unit; Select correct mode; Contact technician for refrigerant check
Unusual noises	Loose parts; Fan obstruction; Refrigerant flow noise (normal)	Check for loose panels; Clear obstructions; Consult technician if noise is excessive or unusual
Water leakage from indoor unit	Clogged drain hose; Improper installation	Check and clear drain hose; Contact technician for inspection

8. TECHNICAL SPECIFICATIONS

Below are the key technical specifications for the Klimaire KSIR036H218 system.

Specification	Value
Brand	Klimaire
Model Number	KSIR036H218
Capacity	3 Tons (36,000 BTU)
Seasonal Energy Efficiency Ratio (SEER)	16.00
Heating Seasonal Performance Factor (HSPF)	10.00 - 10.50
Voltage	230 Volts
Noise Level (Outdoor Unit)	54 Decibels
Installation Type	Split System (Floor/Ceiling)

Specification	Value
Special Features	5°F Low ambient Heating and Cooling operation, Adjustable airflow with wireless LED remote, Auto restart after power failure, Auto swing louvers, Timer Option
Included Components	Indoor Floor/Ceiling Unit, Outdoor Condenser, Wall Bracket, 15-ft Installation Kit

U.S. Government

Federal law prohibits removal of this label before consumer purchase.

ENERGYGUIDE

Heat Pump
Cooling and Heating
Split System

KLIMAIRE
Model KSIR036-H218



Cooling Efficiency Rating (SEER)*

16.00 - 17.50



Range of Similar Models
* Seasonal Energy Efficiency Ratio

Two black arrows point to the 16.00 and 17.50 values on the scale. This system's efficiency ratings depend on the coil your contractor installs with this unit. The heating efficiency rating varies slightly in different geographic regions. Ask your contractor for details.

Heating Efficiency Rating (HSPF)*

10.00 - 10.50



Range of Similar Models
* Heating Seasonal Performance Factor

For energy cost info, visit
productinfo.energy.gov

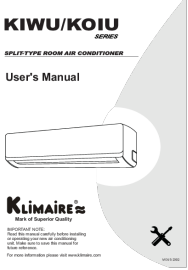


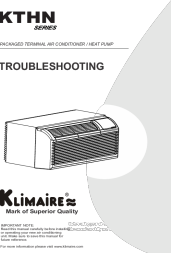
Figure 6: U.S. Government EnergyGuide label for the Klimaire KSIR036-H218, showing cooling and heating efficiency ratings.

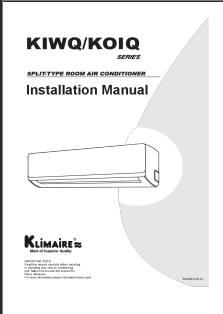
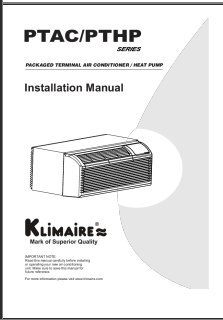
9. WARRANTY AND SUPPORT

Your Klimaire heat pump system is backed by a manufacturer's warranty.

- **Compressor Warranty:** The system includes a 5-Year Compressor Manufacturer Warranty.
- **General Support:** For warranty claims, technical assistance, or service inquiries, please contact Klimaire customer support or an authorized Klimaire service center. Ensure you have your model number (KSIR036H218) and proof of purchase available.
- **Professional Service:** All service and repairs should be conducted by a licensed HVAC professional to maintain warranty validity and ensure safe operation.

Related Documents - KSIR036H218

	<p>Klimaire KIWU/KOIU Series Split-Type Room Air Conditioner User Manual</p> <p>User manual for the Klimaire KIWU/KOIU Series split-type room air conditioner. Contains safety guidelines, remote control operation, and usage instructions for optimal performance.</p>
	<p>Klimaire KSIV Series Split-Type Room Air Conditioner User's Manual</p> <p>User's Manual for the Klimaire KSIV Series Split-Type Room Air Conditioner, covering safety, operation, maintenance, and troubleshooting.</p>
	<p>Klimaire KMIR Multi-Zone Series Split-Type Room Air Conditioner Installation Manual</p> <p>Comprehensive installation manual for the Klimaire KMIR Multi-Zone Series Inverter One-Two/One-Three/One-Four/One-Five Split-Type Room Air Conditioner, covering safety precautions, installation instructions for various types, refrigerant pipe connection, electrical work, air purging, and test running.</p>
	<p>Klimaire KTHN Series Troubleshooting Guide for Packaged Terminal Air Conditioner / Heat Pump</p> <p>Comprehensive troubleshooting guide for Klimaire KTHN Series Packaged Terminal Air Conditioner and Heat Pump units. Covers error codes, sensor issues, communication malfunctions, and common operational problems.</p>

 The cover of the KIWQ/KOIQ Series Split-Type Room Air Conditioner Installation Manual. It features a white indoor unit mounted on a wall. The text includes 'KIWQ/KOIQ SERIES', 'SPLIT-TYPE ROOM AIR CONDITIONER', 'Installation Manual', and the 'Klimaire' logo with the tagline 'Mark of Superior Quality'.	<p>Klimaire KIWQ/KOIQ Series Split-Type Room Air Conditioner Installation Manual</p> <p>Comprehensive installation manual for Klimaire KIWQ/KOIQ series split-type room air conditioners, covering safety precautions, refrigerant handling, installation procedures, and testing.</p>
 The cover of the PTAC/PTHP Series Installation Manual. It features a white packaged terminal air conditioner unit. The text includes 'PTAC/PTHP SERIES', 'PACKAGED TERMINAL AIR CONDITIONER / HEAT PUMP', 'Installation Manual', and the 'Klimaire' logo with the tagline 'Mark of Superior Quality'.	<p>Klimaire PTAC/PTHP Series Installation Manual</p> <p>This manual provides detailed instructions for the installation of Klimaire PTAC/PTHP Series Packaged Terminal Air Conditioners and Heat Pumps. It covers unit installation, care, cleaning, and troubleshooting.</p>