

Klimaïre KSIV009-H119-S(W)

Klimaïre 9,000 BTU 21.5 SEER2 Ductless Mini-Split Inverter Air Conditioner Heat Pump System User Manual

Model: KSIV009-H119-S(W)

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Klimaïre 9,000 BTU 21.5 SEER2 Ductless Mini-Split Inverter Air Conditioner Heat Pump System. Please read this manual thoroughly before installation and use to ensure proper function and safety. This system is designed to provide efficient cooling and heating for areas up to 350 sq. ft.

WHAT'S INCLUDED

Your Klimaïre Mini-Split system comes with the following components:

- KSIV 9,000 BTU 115V Indoor Fan Coil
- KSIV Smart DC Inverter Outdoor Condenser (Pre-charged with 25' of R410A Refrigerant)
- Wi-Fi KPIMDWF module
- Remote Control
- 16'Ft – 1/4 x 3/8 Maxwell Refrigerant Line Installation Kit with Interconnecting Wire Cables
- Line Set Cover Kit
- Maxwell Wall Mounting Bracket
- Liquid-tight Flexible Electrical Whip with 3- #10 AWG Wires
- 30A Fusible Disconnect Switch
- Wall Filler Putty
- Decorative Wall Cap
- Wall Sleeve Cylinder
- Non-Adhesive Decorative Wrapping Tape
- 4 Ft. Long Flexible Condensate Drain Hose



Image: All components included in the Klimaire Mini-Split system package.

KLIMAIRE®



Wall Mount Indoor Unit

Your System Includes



Remote Control



Wi-Fi Receiver Module



16' Communication Cable



30A Fusible Disconnect Switch



Outdoor Unit Wall Bracket



Flexible Electrical Whip



Pre-Flared Installation Kit



Outdoor Unit

KSIV

Image: Visual representation of the indoor and outdoor units along with the remote control, Wi-Fi module, communication cable, disconnect switch, and wall bracket.

ALL-INCLUSIVE INSTALLATION KIT

Everything you need for an easy setup



INSTALLATION KIT INCLUDED ITEMS:

- 16' Gas & Liquid Insulated Copper Lines with Factory-Flared Connections
- Stranded and Unshielded 16 Gauge 4 Lead Interconnecting Cable
- Wall Filler Putty
- Decorative Wall Cap
- Wall Sleeve Cylinder
- Outdoor Unit Wall Bracket
- Non-Adhesive Decorative Wrapping Tape
- 4 Ft. Long Flexible Condensate Drain Hose



REQUIRED ELECTRICAL COMPONENTS INCLUDED:

- Liquid-tight Flexible Electrical Whip with 3- #10 AWG Wires
- 30A Fusible Disconnect Switch



Image: Detailed view of the Maxwell All-Inclusive Installation Kit, showing copper lines, electrical whip, disconnect switch, and other accessories.

KEY FEATURES

- Exceptional Efficiency:** Up to 21.5 SEER2, 9 HSPF2, and 12.5 EER2 for energy savings.
- Wide Operating Range:** Low ambient heating and cooling down to 5°F.
- Self-Cleaning Function:** High-temperature sterilization process to clean and dry the evaporator, preventing mildew.
- Air Quality Improvement:** High-density top-opened filter, washable air filter with Silver Ion + Carbon included, for improved air quality.
- Convenient Modes:** Dry mode for dehumidification, Turbo operation for rapid cooling/heating, Sleep mode for quiet operation, Auto restart after power outages, and Follow-me function for personalized comfort.
- Durable Construction:** Built-in base pan and compressor heater, anti-corrosive golden fin technology for enhanced reliability, especially in coastal applications.
- Smart Control:** Wi-Fi KPIMDWF module for smartphone app control (compatible with Alexa and Google Home).

KLIMAIRE 



HIGH-DENSITY TOP OPENED FILTER

Improves air quality by capturing smog,
eliminating odors, breaking down formaldehyde,
and filtering out micro-dust.



WASHABLE AIR FILTER

Silver Ion + Carbon Filter Included



ANTI-CORROSIVE GOLDEN FIN



EASY INSTALLATION OPTIMIZED INSTALLATION PLATE

Multi-refrigerant outlet pipe method
left/right/rear, more flexible for installation.

KSV
SEERE

Image: Close-up view highlighting the high-density top-opened filter, washable air filter, anti-corrosive golden fin, and optimized installation plate.



Image: Features of the outdoor unit, including base pan heater, crankcase heater, pre-charged R410A refrigerant, anti-corrosive golden fin technology, and 7-year compressor warranty.

SETUP AND INSTALLATION

The Klimaire Mini-Split system is designed for straightforward installation, with many components pre-charged and pre-flared to simplify the process. While DIY installation is possible for some, it is highly recommended to consult with or hire a licensed HVAC professional for the final steps, such as vacuuming lines and checking refrigerant levels, to ensure optimal performance and warranty validity.

Installation Steps Overview:

- Mounting the Indoor Unit:** Secure the indoor fan coil to the wall using the provided mounting bracket. Ensure proper leveling and clearance for air circulation.
- Mounting the Outdoor Unit:** Place the outdoor condenser on a stable concrete pad or use the included wall mounting bracket.
- Connecting Refrigerant Lines:** Connect the pre-flared 16' copper lines between the indoor and outdoor units. Ensure all connections are tight to prevent leaks.

4. **Electrical Connections:** Connect the electrical whip and interconnecting wire cables to both units and the 30A fusible disconnect switch. Refer to the wiring diagram in the detailed installation guide for specific connections.
5. **Drainage:** Install the flexible condensate drain hose from the indoor unit to ensure proper water drainage.
6. **Vacuumping and Charging:** A licensed technician should vacuum the refrigerant lines to remove air and moisture, and verify the R410A refrigerant charge.
7. **Finishing Touches:** Use the line set cover kit, wall filler putty, and decorative wall cap for a clean and professional finish.

Important: Improper installation can lead to system malfunction, reduced efficiency, and voiding of warranty. Always follow local electrical and HVAC codes.



Image: Diagram showing the dimensions of both the indoor and outdoor units, along with key specifications like energy efficiency and sound levels.

OPERATING INSTRUCTIONS

Your Klimaair Mini-Split system can be controlled via the included remote control or through the smartphone app using the Wi-Fi module.

Remote Control Operation:

The remote control allows you to access all standard and special features. The display on the remote shows the current settings, including temperature. You can easily adjust temperature, fan speed, and operating modes.

- **Power On/Off:** Press the power button to turn the unit on or off.
- **Mode Selection:** Cycle through modes like Cool, Heat, Dry, Fan, and Auto.
- **Temperature Adjustment:** Use the up/down arrows to set your desired temperature.
- **Fan Speed:** Adjust fan speed (Low, Medium, High, Auto).
- **Swing Function:** Activate the swing function for automatic vertical and horizontal louver movement to distribute air evenly.
- **Special Features:** Access Turbo mode for quick temperature changes, Sleep mode for quiet operation, and the Follow-me function for localized comfort.

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Video: Official Klimaire video demonstrating the Ductless Mini-Split Inverter Air Conditioner, highlighting its features and operation.

Your browser does not support the video tag.

Video: A short preview video showcasing the Klimaire Ductless Mini-Split Inverter Air Conditioner, focusing on its design and functionality.

Smartphone App Control (Wi-Fi):

The included Wi-Fi KPIMDWF module allows you to control your Klimaire system from anywhere using a smartphone app. This app is compatible with Google Home and Alexa.

- **Download App:** Download the NetHome Plus App from the App Store or Google Play.
- **Connect Wi-Fi Module:** Follow the app's instructions to connect the Wi-Fi module to your home network and pair it with your mini-split unit.
- **Remote Control:** Adjust settings, set schedules, and monitor your unit's status remotely.
- **Voice Control:** Integrate with Alexa or Google Home for convenient voice commands.

With the NetHome Plus App, gain effortless control of your KSIV system anytime, anywhere, directly from your smartphone.

Wi-Fi Adapter Included



Image: Illustration of the smartphone app interface for controlling the Klimaire system, showing compatibility with Google Home and Alexa. [Download the app here.](#)

MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your Klimaire Mini-Split system.

- **Filter Cleaning:** The system includes washable air filters. Clean them regularly (e.g., every 2-4 weeks, depending on usage) to maintain air quality and efficiency. Refer to the detailed manual for instructions on removing and cleaning filters.
- **Self-Cleaning Function:** Utilize the self-cleaning option to prevent mold and mildew buildup on the evaporator coil. This feature uses a high-temperature process to dry the coil.
- **Outdoor Unit Cleaning:** Periodically inspect and clean the outdoor condenser unit, removing any debris, leaves, or dirt that may obstruct airflow. Ensure the area around the unit is clear.
- **Professional Servicing:** It is recommended to have a qualified HVAC technician perform annual maintenance checks, including refrigerant level verification, coil cleaning, and overall system inspection.

TROUBLESHOOTING

If you encounter issues with your Klimaire Mini-Split system, refer to the following common troubleshooting tips. For more complex problems, contact a qualified technician.

Problem	Possible Cause	Solution
Unit does not turn on	No power, remote control battery low, circuit breaker tripped.	Check power supply, replace remote batteries, reset circuit breaker.
Insufficient cooling/heating	Dirty air filters, obstructed outdoor unit, incorrect mode setting, low refrigerant.	Clean filters, clear obstructions, verify mode, contact technician for refrigerant check.
Unusual noise	Loose parts, fan obstruction, normal operating sounds (e.g., refrigerant flow).	Inspect for loose parts/obstructions. If persistent or loud, contact technician.
Water leakage from indoor unit	Clogged drain hose, improper installation.	Check and clear drain hose. If issue persists, professional re-installation may be needed.

The system also features a self-diagnostic function which can help identify issues. Refer to the main product manual for specific error codes and their meanings.

SPECIFICATIONS

Feature	Detail
Brand	Klimaire
Model Info	KSIV009-H119-S(W)
Cooling Capacity	9,000 BTU
Heating Capacity	9,000 BTU
SEER2 Rating	21.5
HSPF2 Rating	9
EER2 Rating	12.5
Voltage	115 Volts
Coverage Area	Up to 350 sq. ft.
Refrigerant Type	R410A
Indoor Unit Dimensions (WDH)	28.43 x 7.36 x 11.42 inches
Outdoor Unit Dimensions (WDH)	30.31 x 11.81 x 21.85 inches
Noise Level	24.97 dB (Indoor)
Special Features	Auto Restart, Silent Mode, Sleep Mode, Turbo mode, Anti-cold air, Self-cleaning, Wi-Fi enabled

WARRANTY AND SUPPORT

Klimaire offers a comprehensive warranty for your peace of mind:

- **Parts Warranty:** 5 Years
- **Compressor Warranty:** 7 Years

For technical support, warranty claims, or additional information, please visit the official Klimaire store or contact their customer service. Keep your purchase receipt as proof of purchase for warranty purposes.

Visit the Klimaire Store

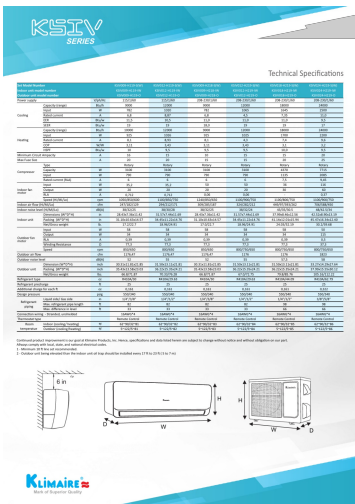
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Documents - Klimaire – KSIV009-H119-S(W)



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[pdf] Dimension Guide

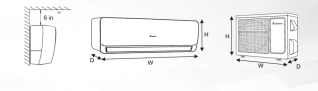
Spec Sheet Fernando D5db1cc932b4d3 static appliancesconnection attachments ||| SERIES Set Model Number Indoor unit model number Outdoor unit model number Power supply Capacity range Input Cooling Rated current EER SEER Capacity range Input Heating Rated current COP HSPF Minimum Circuit Ampacity Max Fuse Size Type Compressor Capacity Input Rated current... lang:en score:25 filesize: 745.12 K page_count: 1 document date: 2019-04-29

KSIV SERIES

Technical Specifications

Model	Capacity (BTU/h)	Capacity (kW)	SEER	EER	COP	HSPF	Input Power (W)	Input Current (A)	Input Voltage (V)	Input Frequency (Hz)	Compressor Type	Refrigerant	Max. Fuse Size (A)	Max. Circuit Ampacity (A)
KSIV-09	9,000	2.6	13.0	10.0	3.4	8.2	115	5.2	115	60	Variable Speed	R410A	15	15
KSIV-12	12,000	3.5	13.0	10.0	3.4	8.2	155	7.0	115	60	Variable Speed	R410A	20	20
KSIV-15	15,000	4.4	13.0	10.0	3.4	8.2	195	8.8	115	60	Variable Speed	R410A	25	25
KSIV-18	18,000	5.3	13.0	10.0	3.4	8.2	235	10.6	115	60	Variable Speed	R410A	30	30
KSIV-24	24,000	7.0	13.0	10.0	3.4	8.2	315	14.4	115	60	Variable Speed	R410A	40	40
KSIV-30	30,000	8.8	13.0	10.0	3.4	8.2	395	18.2	115	60	Variable Speed	R410A	50	50

Klimaïre
Mark of Superior Quality



[\[pdf\]](#) Specifications Dimension Guide

KSIV SERIES TECHNICAL SPECIFICATIONS cdr Fernando ksiv series technical specifications

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SERIES Set Model Number Indoor unit model number Outdoor unit model number
Power supply Capacity range Input Cooling Rated current EER SEER Capacity range
Input Heating Rated current COP HSPF Minimum Circuit Ampacity Max Fuse Size
Type Compressor Capacity Input Rated current...

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