

KLIMAIRE **DIY** SERIES

Self Install Unit
Do It YOURSELF SERIES

NEW RESIDENTIAL LINE

4th Generation

12,000 BTU - 36,000 BTU

*Do it Quick
Do it Easy
Do it for Less*



Home Owners Preferred Choice



Single-zone Heating & Cooling Mini-split Systems
Wall Mounted Units

- 19 SEER2
- 8.5 HSPF2
- Up to 10 EER2



KLIMAIRE
Mark of Superior Quality



What Klimate brings you...

Flexibility is the main driver of their popularity. Klimate ductless systems are simple, reliable, easy to install, and extremely affordable. Klimate slim single zone ductless systems offer built-in solutions with duct free technology benefits. These systems are integrated with innovative inverter technology providing individual comfort and control. With our Comfort-Wise series we are committed to bring our valued customers additional savings with a unit almost ready to install, easily and quickly, with minimum HVAC technician assistance.

About Klimate

Our products have proven their endurance and resiliency over time, operating in 70 different countries. Klimate products exceed industry standards for energy efficiency and employ innovative technology to achieve the highest customer satisfaction.

Comfort Wise Systems

Ductless Mini-Split Systems are one of the fastest growing products in the US and popularity is rapidly increasing. They allow air conditioning and heating systems to be added quickly, economically and conveniently, often for some applications where installing comfort systems didn't seem possible or practical.



Zone Control Advantage



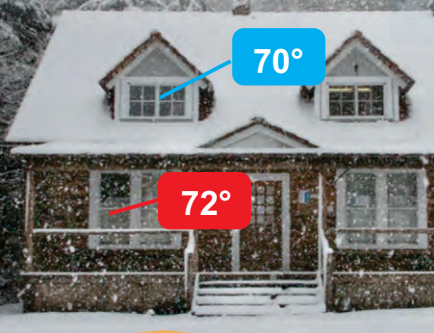
Personalized All-Year Solution

Experience true individual comfort in all rooms by considering a KLIMAIRE Comfort-Wise Do It Yourself Duct-Free Split air conditioning system. Klimate heat pumps provide 4 season both cooling and heating in every room with individual temperature setting, humidity control and health benefits, eliminating unhealthy, inefficient and costly ductwork that circulates air year-over-year. Klimate Ductless heat pumps circulates air through washable pre-filter and air purifying filters of vitamin C, activated carbon and catechin only dedicated to the room being conditioned.





Winter



Summer

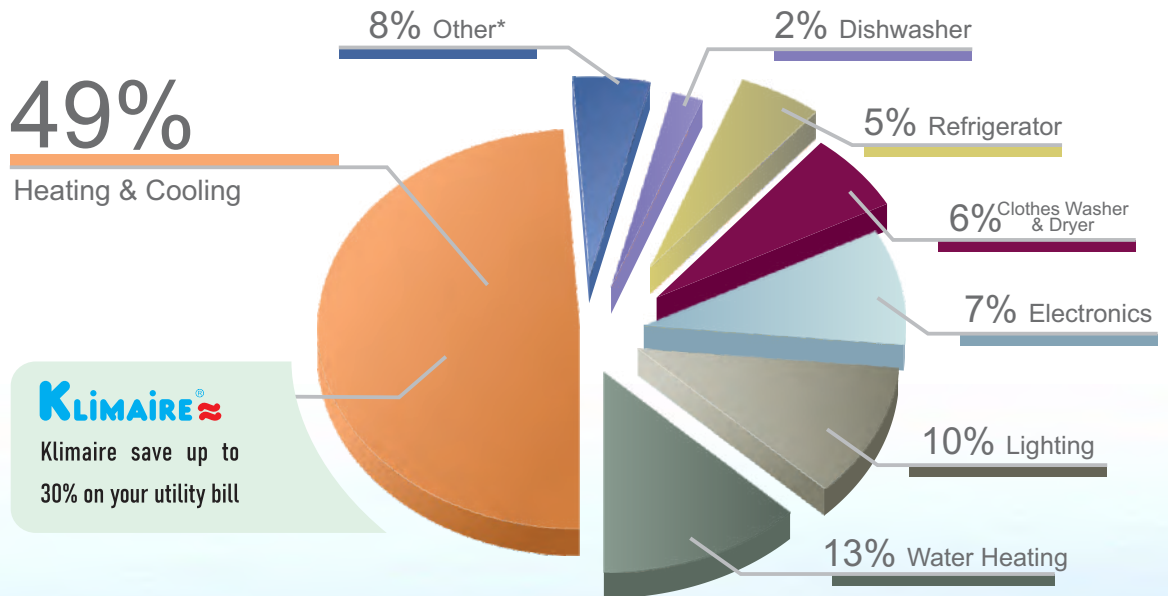


Comfort-Wise Systems

Klimaïre KIWQ/KOIQ heat pump systems are affordable, reliable, quiet, built with an integrated variable speed compressor and an inverter that continuously adjust its capacity for efficient and personalized all year-round cooling and heating in every room of your house, offering flexibility, maximum comfort, and giving cost-savings in any weather conditions.

How much do you spend for heating & cooling your home?

The US Department of Energy (DOE) says that as much as half of the energy used in your home goes to heating and cooling. So making smart decisions about your home's heating, and air conditioning system can have a big effect on your utility bills and your comfort.

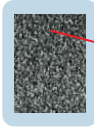


Since a good portion of the energy consumed in your house is dedicated to conditioning it, Klimaïre mini-split high efficiency systems can help to lower significantly your utility bill.

Indoor Air Quality (Healthy Air Filtration)

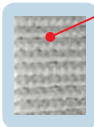
Using multiple different filters at both sides powerfully deodorizes and infuses vitamin C into the air stream.

Photocatalyst filter. The filter release electrons at its surface, which interact with water molecules in the air forming hydroxyl radicals. These radicals attack pollutant molecules, breaking apart their chemical bonds turning them into harmless substances and water.



+

Activated carbon. The filter highly porous surface attracts and removes certain odorous organic compounds and traps them instead of just masking the offending odors.

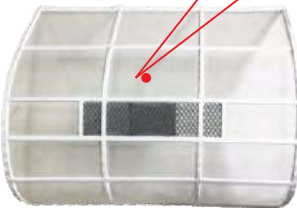


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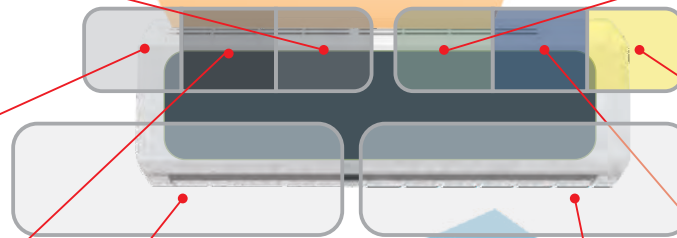
Static free filter. Use static electricity to trap airborne particles by making particles heavier and positively or negatively charged. Airborne particles will no longer stay suspended and stick to the air filter, and releasing after fresh air free of nasty particles.



Washable reusable plastic woven mesh anti-mold filter.

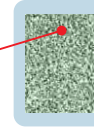


Filters



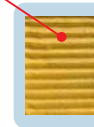
Emergency use button

Tea Polyphenols Filter. Polyphenols are natural compounds that help to prevent the growth of micro-organisms and keep allergens out. Helpful in case of allergies



+

Vitamin C. When the air passes through this section of the filter, Vitamin C is released into the air. This makes the indoor air feel fresh and healthy.



+

Anion Filter. Negative ions, or anions, are particles with one or more extra electrons, conferring a net negative charge to the particle. Some commercial air purifiers are designed to generate negative ions which cause floating particulates (dust, pet dander, allergens) in the air to cling together and drop to the floor.



Healthy Filter is capable to capture and filter the micro-dust and smog, absorb bad smells, decompose formaldehyde in the air and release Vitamin C to make the air cleaner & fresher.



Washable reusable plastic woven mesh anti-mold filter.

Self Cleaning

The self-cleaning function will prevent growth of harmful micro-organisms by cleaning the evaporator of the indoor unit where accumulation of dust and bacteria could be a major issue. Activate this function to strip off all the dirt accumulated inside your unit and provide you with cleaner and healthier air.

Operation Mode

At the moment your indoor unit enters successfully the self-cleaning mode, it will emit a beep, and the display on the unit will show AC. This process goes thru four stages.

OPERATION



≈ 4 Minutes

Sweating

During this stage the evaporator coil will work and will be completely covered with droplets of water of condensation occurring in the indoor unit coil.



≈ 16 Minutes

Frosting

During this stage the water droplets will freeze and process continue for about 15 minutes.



≈ 15 Minutes

Defrosting

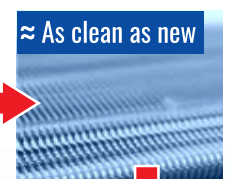
After reaching total frost of the coil, the fan coil will enter the defrosting stage which will take about 15 minutes to complete and will drain all the dirt gathered on the coil. After completing the frosting cycle your indoor unit enters defrosting stage which will take about 15 minutes and will drain all the dirt gathered on the coil.



≈ 4 Minutes

High Temperature Drying and Sterilization

Finally, the indoor unit fan will work blows hot air for drying the coil and eliminate bacteria and mold and leave the evaporator coil clean. When all the processes are finished the indoor unit will emit 2 beeps and AC on the display will disappear.



≈ As clean as new



Dirt flush out

Above process may take different time based on ambient temperature and the copper pipe temperature which usually will take about 40 minutes.

Revolutionary Do It Yourself Quick Connect

Ductless Mini-Split Heat Pump System

- Fully factory pre-charged system.
- No vacuuming necessary with pre-charged quick connect refrigerant lines.
- Interconnecting cable with polarized plugs for speeding indoor/outdoor interconnection, reduces field wiring installation errors.
- E-Z KUICK connect refrigerant Tubing Kit (25ft) shortens installation time.



INDOOR UNIT

Wall mounted

E-Z KUICK connect refrigerant Tubing Kit

Refrigerant Line Cover

Refrigerant Quick Connect

Optional Outdoor Installation on wall bracket

OUTDOOR UNIT

Klimaïre Quick Connect third generation series of ductless mini split air conditioners and heat pumps Comfort-Wise, with its top-of-the-line DIY characteristics, are an excellent choice for the home owners looking to air condition an existing room or new addition of their home by installing the Klimaïre, highly efficient latest design, economical and much easier to install, and intended for homeowners who want to stay away of costly installation fees

Klimaïre DIY mini split systems are fitted with pre-charged refrigerant quick connect tubes, and communication wiring with polarized plugs to make easier for the home owner to install them without requiring custom tools, plus the convenience of managing it remotely via our cloud App which allow you to control the ambient of your room and your budget avoiding unnecessary power consumption. Our DIY quick-connect units are AHRI certified, available in four different sizes, 12,000 Btu/h, 18,000 Btu/h, 24,000 Btu/h and 36,000 Btu/h to match any room requirements.

Ductless Mini-splits have flexibility to fit virtually any application

Applications are everywhere...

- Hotels and Motels
- Homes utilizes hydronic heat
- Remote Utility transfer stations
- Residential additions such as a Florida room, sun room, bed room or garage conversions
- Restaurants
- Barber shops
- Server rooms (different temperature/humidity control is required)
- Historic homes
- Vacation homes or cabins
- ATMs and photo studios
- Remote offices (such as inside a warehouse factory)
- Class rooms
- Indoor nurseries
- Shopping malls
- Nursing homes, hospitals & church sanctuaries
- Arena sky boxes



Smart Heating and Cooling

It is highly recommendable to replace your inefficient old room air conditioner with quieter, high efficiency ductless mini split System

Condition the storage

Heating and cooling your garage helps to maintain low humidity prevents mildew and keep reasonable winter temperatures. Your stored goods are in perfect conditions for years.

Computer server

rooms when additional cooling is necessary even at low ambient conditions.

Indoor Climate Changer

Indoor nurseries & plant growers can easily achieve the desired temperature and control humidity levels in different zones.

Auxiliary Cooling

When additional cooling is on demand, ductless mini split systems can be added quickly, conveniently and economically.

EZ Supplemental Capacity

In most cases it is impractical and inconvenient to utilize existing central system and duct work for your home addition projects. Klimate Inverter units can be easily added as supplemental cooling and heating capacity for your home additions. Homeowners enjoy zone comfort control eliminating messy duct work installation, that may result in inefficient air distribution.

Individual Comfort and Temperature Control

Create your own true zone cooling & heating to achieve more precise individual comfort day and night in your home or business. Klimate units zoning capability allows you to set each zone with different temperature settings as desired. You can even turn off the units in non-occupied rooms for additional energy savings, while keeping them at a higher temperature setting in cooling to control humidity levels – increasing personal comfort.





Overview

Klimaire Comfort-Wise mini split heat pump systems offer extraordinary features. This type of air conditioners/heat pumps is ideal for small spaces calling for spot cooling or heating. The wall-mounted fan coils are simple to install and placed high on a wall where they operate quietly and blend into the room decor. Klimaire slim and elegant single zone ductless systems provide the cooling or heating capacity for areas so far considered hard to condition, and are ideal for small spaces, or detached rooms application. The system is factory pre-charged with 25 ft installation kit.

Key Features

Away Home

(AH) This function will automatically start the heating mode when the room temperature is equal or lower that 46° F and when it reaches 48° F will return to standby mode.



Refrigerant Leak Detector

Alerts when the refrigerant charge is low to prevent damages to the compressor, and automatically turns off the unit.



Goldish Fin

Anticorrosion coating to protect the outdoor coil from corrosive elements to maintain higher heat transfer for a longer time span



Base Pan Heater

To reduce ice build-up and keep efficiency high at low ambient temperature.

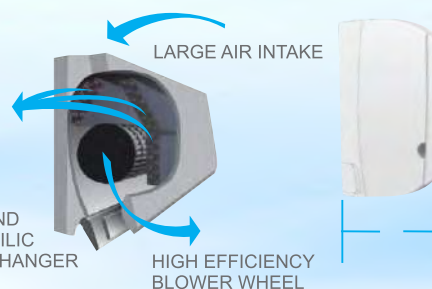
Eco

ECO In this mode the unit will automatically sets the operation to save energy in both cooling and heating modes.



Thin & Slim design

Thin and slim design is realized by multi-bend high efficient hydrophilic fin heat exchanger and high efficiency blower wheel.



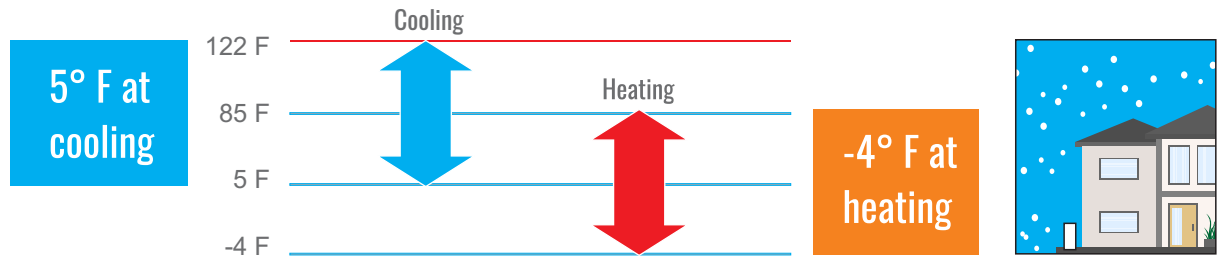
9 and 12 kBtu	11.4 in
18 kBtu	12.4 in
24 kBtu	13.2 in
36 kBtu	14.4 in

Easy to mount

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



Low ambient operation



Auto Re-start



The air conditioner memorizes the operation settings and when there is a power outage it will start up using these settings when the power is reestablished.

Comfort Functions

Turbo mode

Turbo function enables the unit to operate at maximum airflow and maximum compressor heating operation to reach the desired temperature quickly



3-D Airflow



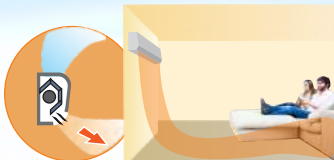
Oscillating Louver Technology distribute air evenly throughout the room with horizontal & vertical auto swing function to ensure harmonized temperature.

Long range air discharge



Powerful and silent air flow thru larger fan diameter to reach every spot of your room

More comfort airflow

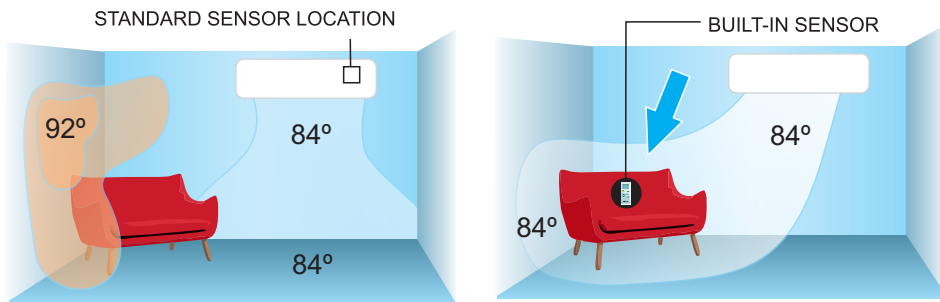


Vertical airflow provides powerful floor level heating



Horizontal airflow does not blow cool air directly at the occupants in the room.

I Feel



The remote control's built-in temperature sensor is like a moving thermostat. Heating and cooling automatically adjusts to maintain the temperature setting around anyone carrying the remote. It's like the mini-split is following the user.

Emergency Use



When temperature sensor error happens, the air conditioner will display error code and stop immediately, while Klimaire AC will display error and continue running in a proper status, to avoid the case that AC is in urgent need.

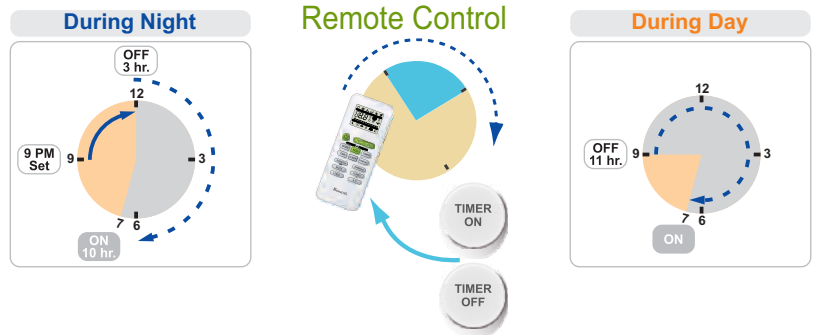
Anti-cold Wind



When the heating operation starts the fan coil will automatically run from the lowest speed to the preset level, so it will prevent blowing out cold air at the start of the operation avoiding discomfort to the user.

ON / OFF 24 hr. Programmable Timer

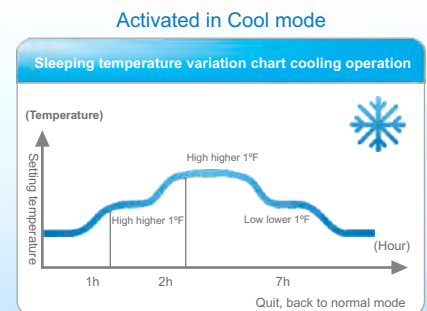
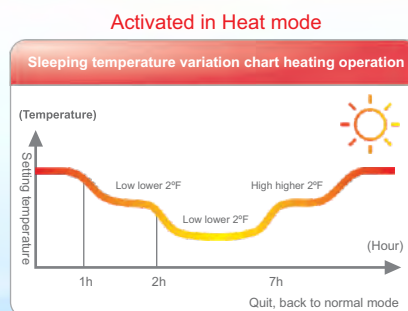
Timer can be set On / Off easily 24 hours in half hour increments using the wireless remote control



Sleep Mode

Deep SLEEP system

During sleep mode the AC will automatically increase (cooling) or decrease (heating) by 1° per hour in the first two hours and switch off after 5 hours. The sleep mode function helps to maintain the most comfortable temperature and to save more energy.



Feature Explanation

ENERGY SAVING



SEER - Seasonal Energy Efficiency Ratio expresses the efficiency of an AC or HP, the higher the number the higher the efficiency.



HSPF - Heating Seasonal Performance Factor measures the performance of your unit working as a heat pump during the heating season.



AWAY HOME - (AH) this function will automatically start the heating mode when the room temperature is lower than 46° F.



UNIVERSAL WIRELESS MOTION REMOTE (Optional) Can detect human motion within a 25ft radius and control the operation of the AC as programmed.



ECO MODE - In this mode the AC will automatically set the operation to save energy.

COMFORT



DRY Mode - (independent Dehumidification) This function reduces the humidity of the air to make the ambient of a room more comfortable.



AUTO MODE - In this mode the operating mode will be set automatically according to the room temperature.



UP-DOWN AUTO SWING - Moves the air with up and down motion



LEFT-RIGHT AUTO SWING - Moves the air with left-right-left motion



AUTO-RESTART - After a power failure the system will automatically restart in the same operating mode as before the outage when the power has been restored.



I FEEL - This function enables the remote control to measure the temperature at its location and send signals to the indoor unit to optimize the temperature around its position. You keep the remote control close to you, it is as if the air conditioner were following you.



HEALTHY FILTER - This filter is capable to capture and filter the micro-dust and smog, absorb bad smells, decompose formaldehyde in the air and release Vitamin C to make the air cleaner & fresher



LOUVER POSITION MEMORY - When you start the unit the horizontal louver will return automatically to the position set last time.



SLEEP MODE - It can maintain the most comfortable temperature and save energy.

CONVENIENCE



24h TIMER - Allows the user to set the time when the AC will turn ON or OFF, and the preferred settings.



TURBO MODE - With this function the AC will operate at the highest fan speed and compressor speed to make the room comfortable quickly.



DISPLAY ON/OFF - switches ON/OFF the LED display on the panel.



CELSIUS / FARENHEIT DEGREE SWITCH



Allows to change the temperature display at the user's preference.
EMERGENCY BUTTON - Allows to manually operate the AC unit when the remote is missing at the preset ambient conditions.



Wi-Fi control - Allows you to control remotely over the web the air conditioner of your house with your smartphone, anytime, anywhere.

PERFORMANCE



ANTI-COLD WIND - When the heating operation starts the fan coil will automatically run from the lowest speed to the preset level, preventing cold air the beginning of the heating mode.



LOW TEMPERATURE COOLING - The unit can operate in cooling mode during the winter down to 5° F to cool an inner room.



LOW TEMPERATURE HEATING - Provides heating even when the outside temperature is as low as -13° F



SELF-TROUBLESHOOTING - Provides faster and accurate service diagnostics.



INTELLIGENT DEFROST - Removes frost from the outdoor unit coil when the outdoor temperatures are very low, and at the same time stops the indoor fan to avoid throwing cold air into the room.

RELIABILITY



REFRIGERANT LEAKAGE DETECTOR - When the outdoor unit detects a refrigerant leakage condition the indoor unit will sound an alarm



INTELLIGENT DEFROST - During the defrosting mode the compressor keeps running, indoor and outdoor motor will stop, and when operating temperature is back to normal the unit will turn back to heating mode.



ODU CHASSIS PTC HEATER - To reduce ice build-up and keep efficiency at low ambient temperature.



FIRE PROOF ELECTRICAL BOX - Indoor unit electric control box made of high heat resistance materials is safer and complies with all most safety regulations.

ACCESSORIES (Optional)

Outdoor Unit Brackets



Accommodate all brand condensing and heat pump units. Brackets include all anchoring accessories to mount the outdoor unit on an exterior wall or on the roof.

Mini Condensate Removal Pump



Ultra slim, high performance, easy to install mini condensate removal pump is used where you need an alternative to expel water removed from the air by your air conditioning unit.

Universal Motion Remote Controller



Klimaier KUMR-903 is a Universal Motion Remote with a motion sensor, programmable for unparalleled energy savings up to 60% in the operation of any air-conditioning system that incorporates a built-in remote control receiver.

Refrigerant Line Cover Kit (13 ft)



Elegant and Durable PVC line cover kit hides and covers up to 13 ft length of all exposed refrigerant tubing along the external wall of your home to give an attractive and professionally finished installation.



Nomenclature

K	I	W	Q	12	H	1	-	3	T
Brand	Component	Unit Type	Family	Capacity	System	Voltage		Generation	Minor Design Feature
K: Klimaier	I: Indoor O: Outdoor S: System	I: Inverter OU W: Wall Mount FCU		(kBtu/h) 12 18 24 36	H: Heat Pump	1: 115V / 1ph / 60Hz 2: 208-230V / 1ph / 60Hz			

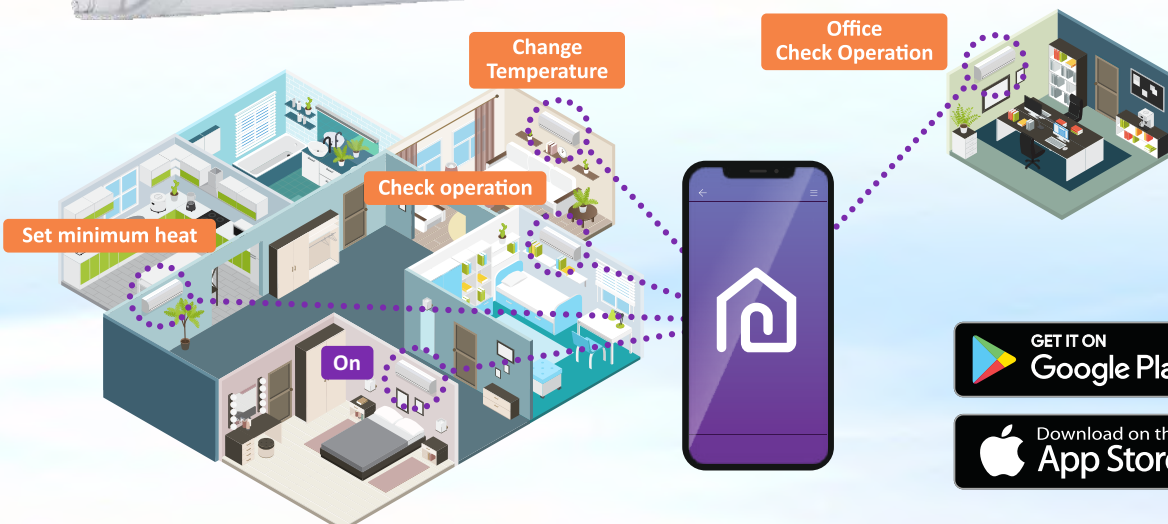
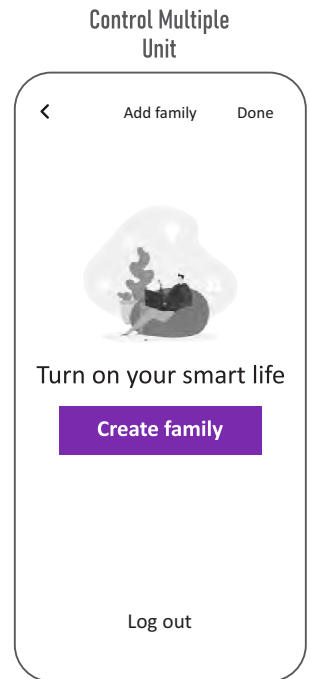
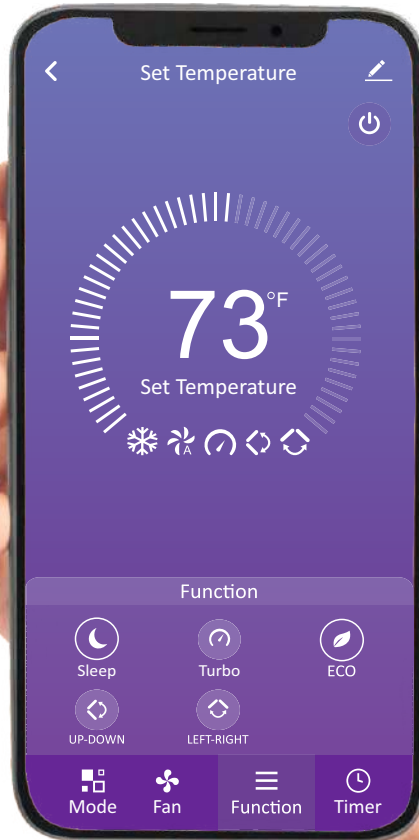
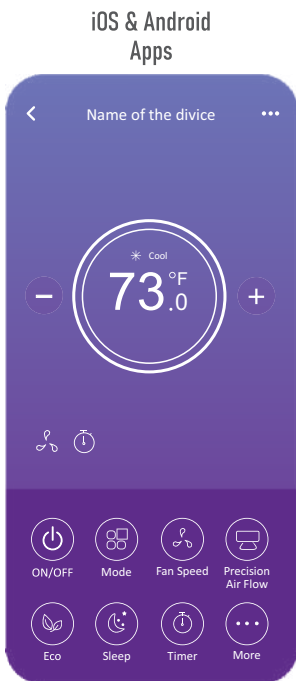
Smart Life APP



Smart Life

Remotly manage your Mini-Split Heat Pump Unit Anywhere, Anytime!
Access Control Funtions using your Smartphone or Tablet.

User Friendly
Interface



Klimaire i FEEL Remote Control

1 ON/OFF Button
To start / stop the operation of the unit when this button is pressed

2 DOWN (▼) Press this button to decrease the temperature of the room press the down arrow.

3 UP (▲) Press this button to increase the temperature of the room press the up arrow.

4 MODE The operation mode is changed in sequence (AUTO - COOL DRY - FAN - HEAT) every time this button is pressed.

5 ECO Function in this mode the unit automatically sets the operation to save energy. Press again to cancel.

6 TIMER The air conditioner can be turn automatically ON / OFF at any desired time.

7 FAN To set the Fan press MODE until (🌀) appears on the display. Use it for air ventilation only.

8 SLEEP Pre-set automatic operation. To activate press the SLEEP button and (☾) appears on the display. It can keep the most comfortable temperature and save energy. Press again to cancel this function.

9 DISPLAY To switch ON/OFF the unit panel led display to direct the air flow.

10 SWING (↔) Press this button to activate the vertical deflectors to swing from left to right to direct the air flow.

11 SWING (↕) Press this button to activate the horizontal flaps to swing from up to down.

12 MUTE Press the MUTE button to activate/deactivate this function. When it is pressed the auto fan speed will display in the remote control. To cancel press FAN/TURBO/SLEEP. Inactive in dry mode.

13 TURBO Press TURBO to activate/deactivate the SUPER function which enables the unit to reach the preset temperature in the shortest time. To switch °F to °C press and hold for 5 seconds.

14 I FEEL To switch ON / OFF to initiate the Follow me function, the remote senses actual temperature at its location and sends signal for better comfort as if the remote were following you.

15 AH (Away Home) Activates/Disables to avoid freezing of the home when you are away during colder months keeping it at 46° F in heating mode.



I FEEL Remote Control & Wall Holder

	Battery indicator		Fan speed indicator: Auto/Low/Mid/High
	Auto Mode function indicator		Mute function indicator
	Cooling Mode indicator		SUPER function indicator
	Dry Mode indicator		Up-down auto swing indicator
	Fan only Mode indicator		Left-right auto swing indicator
	Heating Mode indicator		SLEEP function indicator
	ECO Mode indicator		Health function indicator
	Timer indicator		I FEEL functions indicator
	Temperature indicator		46°F Stand-by Heating

⚠ The display and some functions of the remote control may vary according to the model.

⚠ The shape and position of buttons and indicators may vary according to the model, but their function is the same.

⚠ The unit confirms the correct reception of each button with a beep.

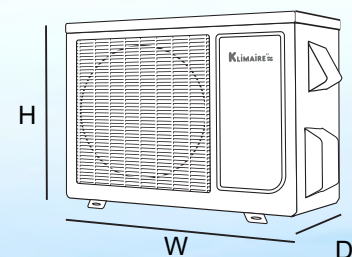
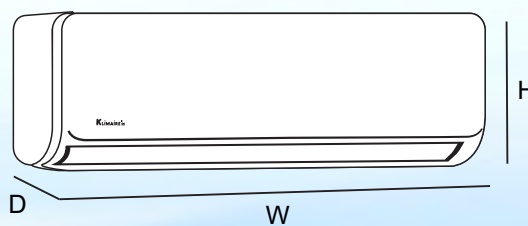
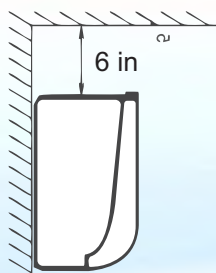
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Specifications

Set Model Number		KIWQ/KOIQ12H1-4(T)	KIWQ/KOIQ12H2-4(T)	KIWQ/KOIQ18H2-4(T)	KIWQ/KOIQ24H2-4(T)	KIWQ/KOIQ36H2-4(T)	
Indoor unit model number		KIWQ12H1-4T	KIWQ12H2-4T	KIWQ18H2-4T	KIWQ24H2-4T	KIWQ36H2-4T	
Outdoor unit model number		KOIQ12H1-4	KOIQ12H2-4	KOIQ18H2-4	KOIQ24H2-4	KOIQ36H2-4	
Power supply	V/ph/Hz	115/1/60	208-230V/1/60	208-230V/1/60	208-230V/1/60	208-230V/1/60	
Cooling	Rated cooling capacity	Btu/h	12000	12000	18000	24000	36000
	Power Consumption	W	1130	1140	1840	2360	3850
	Rated Current	A	10,2	5,2	8,2	11,0	16,5
	EER2	Btu/W.h	10,0	10,0	9,4	10,0	9,0
	SEER2	Btu/W.h	19,0	19,0	19,0	18,0	17,0
Heating	Rated heating capacity	Btu/h	12200	12200	19600	24400	36000
	Max. heating capacity @ 5 °F	Btu/h	8600	8600	12000	15100	21100
	Power Consumption	W	1090	1050	1730	2230	3500
	Rated Current	A	9,6	4,7	7,7	10,5	15,2
	HSPF2	Btu/W.h	8,5	8,5	8,5	8,5	8,5
	COP2	W/W	3,2	3,2	3,2	3,2	3,0
NEEP Canada		Yes	Yes	Yes	Yes	Yes	
Maximum Fuse Size	A	30	15	20	30	35	
Maximum Operation Pressure	psig	550	550	550	550	550	
Moisture removal	pint/h	3,4	3,4	4,6	5,5	6,3	
Compressor	Type	Rotary	Rotary	Rotary	Rotary	Rotary	
Indoor air flow	Hi/Mi/Lo	cfm	383/318/253	383/318/253	606/465/429	847/700/641	847/700/588
Indoor air circulation		cfm	226/187/149	226/187/149	357/274/253	499/412/378	499/412/346
Indoor noise level	Turbo/High/Med./Low/Mute	dB(A)	42/39/34/29/27	41/39/34/29/27	50/48/43/38/32	51/48/43/38/35	52/49/45/38/36
Indoor unit	Dimensions (W*D*H)	in	31.92x11.49x8.07	31.92x11.49x8.07	39.76x12.40x8.66	46.93x14.17x10.23	46.93x14.17x10.23
	Packing (W*D*H)	in	34.84x14.40x10.94	34.84x14.40x10.94	43.15x15.35x11.81	49.80x17.13x13.27	49.80x17.13x13.27
	Net/Gross weight	lb.	19.8/24.2	19.8/24.2	28.7/35.3	37.5/46.3	38.6/47.4
Outdoor noise level		dB(A)	52	51	54	58	63
Outdoor unit	Dimension (W*D*H)	in	28.66x12.01x21.65	28.14x11.42x19.61	30.70x13.74x23.81	33.26x14.96x27.51	35.43x14.17x31.69
	Packing (W*D*H)	in	32.20x12.80x21.18	32.20x12.80x21.18	35.03x15.15x25.2	37.79x16.92x29.53	40.47x18.70x33.86
	Net/Gross weight	lbs.	63.9/70.5	59.5/368.3	73.8/81.5	99.2/110.2	136.7/152.1
Refrigerant type		oz	R410-A	R410-A	R410-A	R410-A	R410-A
Factory Refrigerant precharge		oz	34,22	34,22	41,62	51,15	86,42
Factory Pre-charged Refrigerant Line w/Quick-connect		ft	25	25	25	25	25
Refrigerant piping	Liquid side/ Gas side	in	1/4" x 3/8"	1/4" x 3/8"	1/4" x 3/8"	1/4" x 1/2"	1/4" x 5/8"
	Max. refrigerant pipe length	ft	50	50	65	65	98
Connection wiring - Stranded, unshielded	n x AWG		4×16AWG	4×16AWG	4×16AWG	4×16AWG	4×16AWG
Control type	Type		Wireless remote	Wireless remote	Wireless remote	Wireless remote	Wireless remote
Application Area	sq. ft.		up to 550	up to 550	up to 850	up to 1200	up to 1800
Room temperature	Indoor (cooling/ heating)	°F	>=62/<=86	>=62/<=86	>=62/<=86	>=62/<=86	>=62/<=86
	Outdoor (cooling/heating)	°F	5~122/-4~86	5~122/-4~86	5~122/-4~86	5~122/-4~86	5~122/-4~86

Continued product improvement is our goal at Klimaïre Products, Inc. Hence, specifications and data listed herein are subject to change without notice and without obligation on our part. Always comply with local, state, and national electrical codes.

1 - Minimum recommended line set length: 10ft





Home Owners Preferred Choice



Note: The data in this brochure may be changed without notice for further improvement on quality and performance

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