



Feel the difference!
Experience the real Comfort

KLIMAIRE®
Mark of Superior Quality



What Klimaire Brings You ...

We have been in Ductless mini-split business since 1989 and at Klimaire maintain the highest quality and reliability with ISO 9001 and ISO 14001 standards in our manufacturing facilities. Our products have proven their endurance and resiliency over time operating in 70 different countries since then. All products are ETL certified and AHRI registered.

Klimaire products exceed industry standards for energy efficiency and employs innovative technology to achieve the highest customer satisfaction. Since our goal is to achieve maximum customer satisfaction, we continuously seek to achieve in the design phase of our future units higher performance levels.

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.

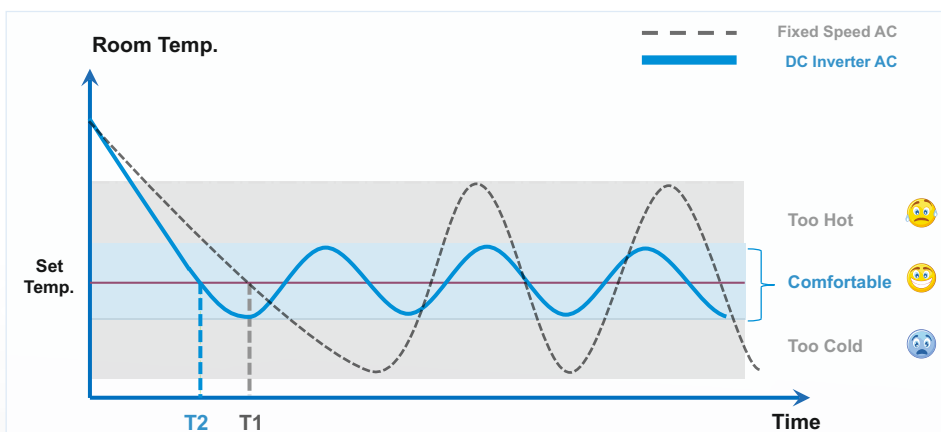
Flexibility is the main role of their popularity.

Klimaire ductless systems are simple, reliable, and easy to install as well as affordable. Klimaire slim single zone and multi zone ductless systems offer built-in solution with duct free technology benefits. These systems are integrated with innovative inverter technology providing individual comfort and control. We are committed to bring you real comfort with our series to our valuable customers where you Like it, when you Like it and how you Like it.

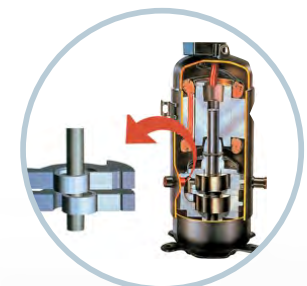
Inverter Technology

DC Inverter is a type of power conversion circuit that electronically regulates the voltage, current and frequency of a compressor or a motor. **DC INVERTER-driven** air conditioners and heat pumps bear special double cam, twin rotary variable speed compressor. Like a cruise control of a vehicle. Inverter technology varies the compressor speed based on cooling and heating needs in the space. Variable speed enables to precisely match system capacity to actual load. They can slow down or speed up based on demand load. By varying the speed of the compressor systems are able to better match load in heating and cooling. In multi zone inverter systems the indoor units constantly change capacity and electronically communicate with the **Klimaire** outdoor unit to increase or decrease capacity for optimum comfort and save energy. Therefore systems operate more efficiently at light load, while still being capable of increasing the speed to deliver full capacity when needed.

Since humidity is a major factor for comfort, in the summer, **Klimaire DC INVERTER – driven** variable speed compressors reduces capacity to match lighter loads increasing the run time to remove moisture and reduce relative humidity resulting in improved comfort. In the winter, by increasing the speed of the compressor Klimaire air conditioner and heat pump systems are able to maintain capacity and deliver hotter supply air even at low outdoor ambient conditions.



DC INVERTER TECHNOLOGY



Flexible Match Systems

Commercial Applications

Light commercial units are the perfect solution for large open spaces. These units are more than just an air conditioner, but a decorative element featuring a design suitable for office interior décor that complements the living environment.



Experience the True Individual Comfort - The Smart Choice

Ductless air conditioning systems are perfect solution to variety of installation challenges, allowing installers the ability to place ductless air conditioning units in locations that were previously impractical or impossible. They are ideal when additional ductwork is necessary but not cost effectively. Basically Ductless mini-split units eliminate the use of ductwork. In addition to eliminating the need for ducting, one of the other great advantages

of ductless multi-split systems is true zone control. Each indoor fan coil unit is dedicated to the room being conditioned allowing a temperature and humidity level to be kept different from the rest of the house or the building. It has never been easier or more cost effective to cool and heat multiple rooms from a single outdoor unit. The most advantage of the multi zone system is once all indoor units in operation, cooling or heating, at the same

time the system will limit the indoor unit capacity so that they will match with the outdoor unit capacity. When a zone meets the desired set temperature it requires less capacity. The unused capacity is then distributed to the remaining indoor units under operation, increasing their capacity. By rotating the capacity multi zone systems are preferred to increase diversity in heating and cooling loads for day and night operation.

Ductless Split Multi-zone

With four Different Different Indoor Units Type

KSIE009-H221-O
KSIE012-H220-O
KSIE018-H220-O
KSIE024-H220-O

Up to 21 SEER and 24,000 Btu
Up to 21 SEER and 24,000 Btu
Up to 21 SEER and 24,000 Btu
Up to 21 SEER and 24,000 Btu



OUTDOOR UNIT



CEILING CASSETTE



DUCTED RECESSED



FLOOR/CEILING

KSIR036-H218

Up to 18 SEER and 36,000 Btu



OUTDOOR UNIT



CEILING CASSETTE



DUCTED RECESSED



FLOOR/CEILING

KSIR048-H218
KSIR060-H218

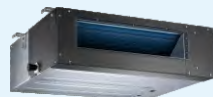
Up to 18 SEER and 48,000 Btu
Up to 18 SEER and 60,000 Btu



OUTDOOR UNIT



CEILING CASSETTE



DUCTED RECESSED



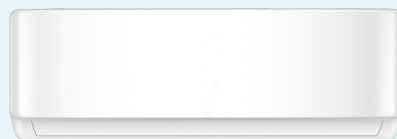
FLOOR/CEILING

KSIR030-H215
KSIR036-H215

Up to 16 SEER and 30,000 Btu
Up to 16 SEER and 36,000 Btu



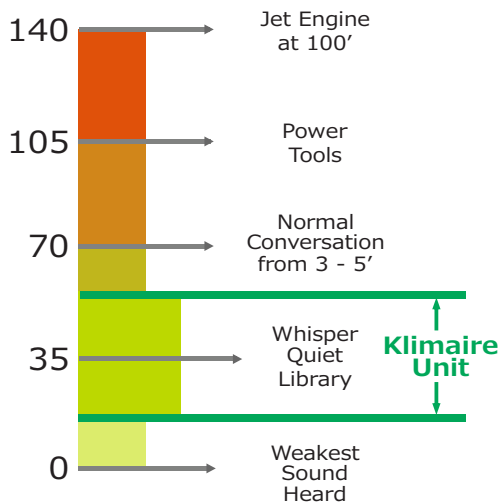
OUTDOOR UNIT



WALL MOUNT

Noise Level

dB(A) Level



Flexible and Quiet

Like regular split air conditioning or heat pump systems, the condensing unit is installed outdoors allowing a peaceful and more comfortable interior environment.

Application Advantage

Klimaite light commercial inverter models offer the high diversity, design flexibility, cost efficiency, quietness and style in your home or business for day and night operation. Klimaite has four different type of indoor units to best match your room requirements, ductless and ducted type designed to be placed just about anywhere to fit your own decor, independently controlled when needed to condition your space to meet your specific comfort preferences. These units provide a great alternative to window type and central ducted air conditioners.



48,000 Btu
Outdoor Unit

Compact & Slim Cassette



Standard Features



Sleep Mode



360° Air Flow Panel



Anti-cold Air Function



Independent Dehumidification



Auto Defrosting



Build-in Drain Pump



Auto Restart Function



Low Ambient Cooling

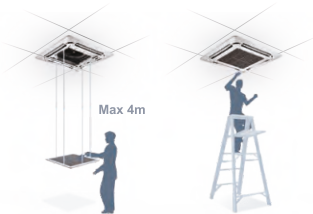
Optional Features



Wired Control

Lifting Easy-clean Panel ▶ (Optional)

The removable lifting panel makes the clean process much easier.

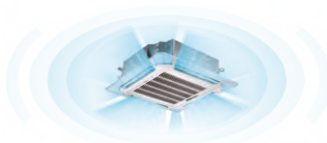


Easy Cleaning Panel

Conventional Panel

360° Air Flow Panel ▶

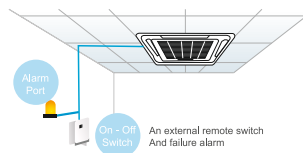
With the 360° air flow panel, the air every corner of the room.



360° Air Flow Panel

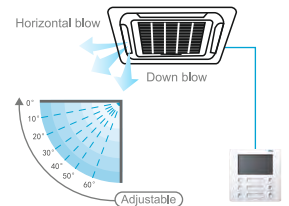
Reserved ON-OFF and Alarm Ports ▶

ON-OFF Switch: With the reserved ports, a remote switch can be easily connected to a realize remote control.
Alarm Port: The built-in PCB can output alarm signal, which makes setting up an external alarm light or vibration gauge possible.

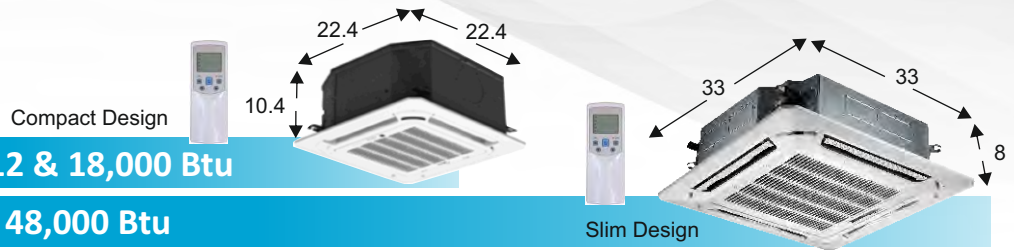


Independent Vane Control ▶

The direction of each vane can be set independently by using the wired controller.



**KTIR
Ceiling Cassette**



Compact Cassettes 9, 12 & 18,000 Btu

Slim Cassette 24, 36 & 48,000 Btu

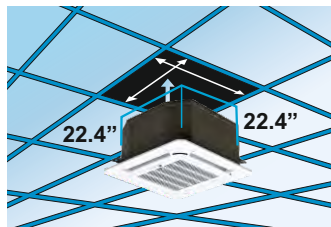
The recessed ceiling cassette unit is ideal for installation in spaces where duct-work is impractical or impossible and can share its cooling and heating capacity with an adjacent room by means of a flex duct connection and provide comfort to every corner of a room.

The off-white color of the decorative ceiling panel blends with any ceiling configuration.

- Compact cassettes fit into standard 2' x 2' ceiling grid
- Flexible installation with built-in drain pump
- Powerful turbo fan operation
- 6" supply duct connection to an adjacent room
- Fresh air intake design 2.5" Ø
- Self diagnosis for easy maintenance



Easy Installation



Anti-Cold-Air



Auto restart



Follow me function



Temperature compensation switch (KTIR)



Sleep mode



5° low ambient heating/cooling

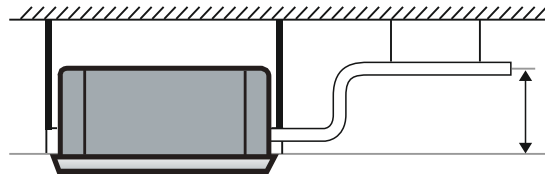
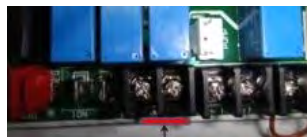


Auto swing louver with 360° air distribution



46° F Home away winter vacation

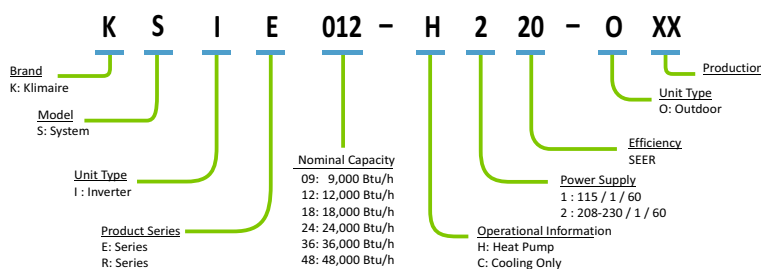
*Dimensions of outer grille are 22.5" x 22.5" and may overlap adjacent tiles.



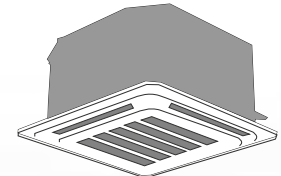
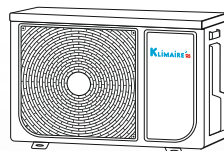
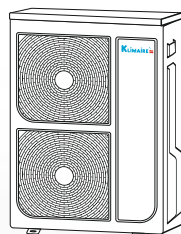
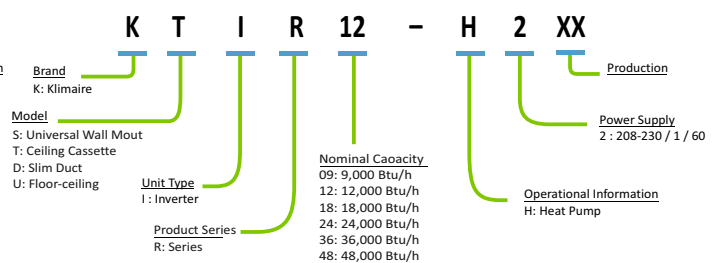
Condensate water can be pumped up to 30" higher elevation for easy drainage

Electronic board with reserved ports to connect and control field supplied inline fan to increase fresh air intake

OUTDOOR UNIT PRODUCT CODE



INDOOR UNIT PRODUCT CODE





KTIR - KSIE / KTIR - KSIR

Ceiling Cassette Unit Technical Specifications

Model Number	Indoor Unit Outdoor Unit		KTIR12-H2 KSIE012-H220-O	KTIR18-H2 KSIE018-H220-O	KTIR24-H2 KSIE024-H220-O	KTIR036-H2 KSIR036-H218	KTIM036-H2 KSIR036-H218	KTIR048-H2 KSIR048-H218
Power supply		V-ph-Hz	208-230~1-60	208-230~1-60	208-230~1-60	208-230~1-60	208-230~1-60	208-230~1-60
Cooling	Capacity	Btu/h	12000	18000	24000	36000	36000	48000
	EER	Btu/W	14	12,5	12,5	9	9	9,5
	SEER		21,5	20	20	17,5	15	16,8
Heating	Capacity	Btu/h	12000	18000	24400	38000	38000	50000
	COP	Btu/W	3,9	3,2	3,2	3,0	3,0	3,1
	HSPF		10,5	10,3	10,5	10,5	10,5	11
Heating @ 17°F	Rated capacity	Btu/h	7500	12000	15800	25200	25200	35000
Minimum circuit ampacity		A	12	15	18	30	30	35
Max. fuse size		A	15	20	25	50	50	50
Design pressure		psig	540 / 300	540 / 300	540 / 300	540 / 300	550 / 340	540 / 300
Drainage water pipe diameter		in	OD Φ1"	OD Φ1"	ODΦ 1" 1/4	OD Φ1.26"	OD Φ1"-1/4	OD Φ1.26"
Refrigerant piping Liquid / Gas		in	1/4" / 1/2"	1/4" / 1/2"	3/8" / 5/8"	3/8" / 5/8"	3/8" / 5/8"	3/8" / 5/8"
Control type			Remote control	Remote control	Remote control	Remote control	Remote control	Remote control
Room temperature	Cooling	°F	62~90	62~90	62~90	62~90	62~90	62~90
	Heating	°F	32~86	32~86	32~86	32~86	32~86	32~86
Operation temperature		°F	62~86	62~86	62~86	62~86	62~86	62~86
	Indoor Unit		KTIR12-H2	KTIR18-H2	KTIR24-H2	KTIR036-H2	KTIM036-H2	KTIR048-H2
Input		W	45	45	58	141	141	232
Indoor fan motor	RLA	A	1,0	1,5	2	1,5	1,5	1,6
	Speed (Hi/Med/Lo)	rpm	680/580/500	730/630/570	600/520/450	720/630/560	720/630/560	950/900/800/700
Indoor air flow (Hi/Med/Lo)		cfm	379/309/261	560483/415	700/636/573	1095/958/809	1095/958/809	1177/1030/853
Indoor noise level (Hi/Med/Lo)		dB(A)	43/39/36	44/39/36	51/47/43	55/52/49	55/52/49	55/52/49
Indoor unit	Dimension (WxDxH) (body)	in	22.4x22.4x10.2	22.4x22.4x10.2	33.1x33.1x8.1	33.1x33.1x8.1	33.07x33.07x9.65	33.1x33.1x8.1
	Packing (WxDxH) (body)	in	25.8x25.8x11.4	25.8x25.8x11.4	35.4x35.4x8.5	35.4x35.4x8.5	35.43x35.43x10.43	35.4x35.4x8.5
	Dimension (WxDxH) (panel)	in	25.5x25.5x1.97	25.5x25.5x1.97	37.4x37.4x2.2	37.4x37.4x2.2	37.4x37.4x2.17	37.4x37.4x2.2
	Packing (WxDxH) (panel)	in	28.2x28.2x4.8	28.2x28.2x4.8	40.8x40.8x3.5	40.8x40.8x3.5	40.75x40.75x3.54	40.8x40.8x3.5
	Net/Gross weight (body)	lb	35.27/41	35.27/41	46.3/54.2	46.3/54.2	55.12/62.83	46.3/54.2
	Net/Gross weight (panel)	lb	5.5/9.9	5.5/9.9	11.0/17.6	11.0/17.6	11.02/17.64	11.0/17.6
	Outdoor Unit		KSIE0012-H220-O	KSIE0018-H220-O	KSIE0024-H220-O	KSIR036-H218	KSIR036-H218	KSIR048-H218
Compressor	Motor Output	W	800	1035	1970	2600	2600	3420
	Rated current (RLA)	A	6,80	10,50	12,00	22,00	22,00	23,5
Refrigerant	Type / Charge	oz	R410A / 40.6	R410A / 68.8	R410A / 82.9	R410A / 108	R410A / 108	R410A / 148.2
	Max. level difference	ft	33	66	82	98	98	98
Outdoor air flow (Max.)		cfm	1120	1470	2354	2530	2530	4470
Outdoor noise level		dB(A)	58	60	61	66	66	62,5
Dimensions	Net	in	31.5x13.1x21.8	33.3x14.3x27.6	37.2x16.14x31.9	37.2x16.1x31.9	37.2x16.1x31.9	37.5x16.3x52.5
	Packing	in	36.2x15.4x24.2	38.0x15.6x29.7	42.9x19.7x34.5	42.9x19.7x34.5	42.9x19.7x34.5	43.1x19.5x58.3
Weight	Net / Gross	lb	76.72/82.67	95.24/102.51	136.69/148.59	148.59/160.94	148.59/160.94	217.4/246.0

Continued product improvement is our goal at Klimaire 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 10 ft line set recommended.

2 - Outdoor unit being elevated than the indoor unit oil trap should be installed every 17 ft to 23 ft (5 to 7 m)

3 - Factory installed only, not field option. Units may operate in heating and cooling mode until the ambient conditions reach 5° F

Ceiling & Floor



Standard Features



Sleep Mode



360° Air Flow Panel



2-way Draining



Auto Restart Function



Anti-cold Air Function



Independent Dehumidification



Timer



Low Ambient Cooling



Auto Defrosting

Optional Features



Healthy Filters



Fresh Air



Build-in Drain Pump



Wired Control

Easy Maintenance ▶

More than 60% parts and assemblies (such as fan wheel, plastic cases, metal parts and etc.) are universal for 3 different bodies, which makes the production and maintenance much easier.



Fresh Air ▶

Air outside can be lead into the room via a connection pipe, which keeps the indoor air fresh and healthy.



3D Air Flow ▶

The unit has auto horizontal swing and auto vertical swing function, which supplies more even and comfortable air flow.



Wired Controller (Optional) ▶

Compared with infrared remote controller, wired controller can be fixed on the wall and avoid mistaking. It's mainly used for commercial zone and makes air conditioner control more convenient.



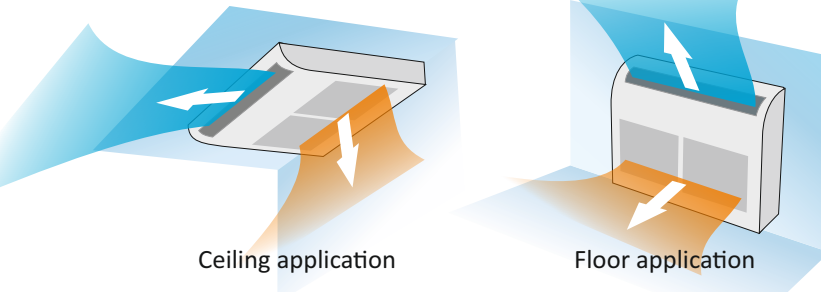
KUIR - KFUF

Floor-Ceiling Mounted



Floor - Ceiling Mounted 18, 24, 36, 48 & 60,000 Btu

Floor-ceiling mounted fan coils can be mounted low on the wall, floor or hanging on the ceiling without any modification. Extremely quiet and rugged construction makes it ideal for areas of heavy traffic and public areas.

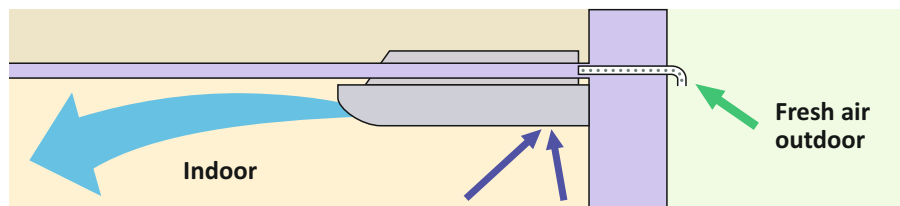


Flexible and Easy Installation

- Slim stylish profile, off white color to blend in any deco
- Versatile mounting floor or ceiling application
- Multiple operation modes
- Washable, re-usable air filter
- LCD wireless remote control
- Fresh air intake port

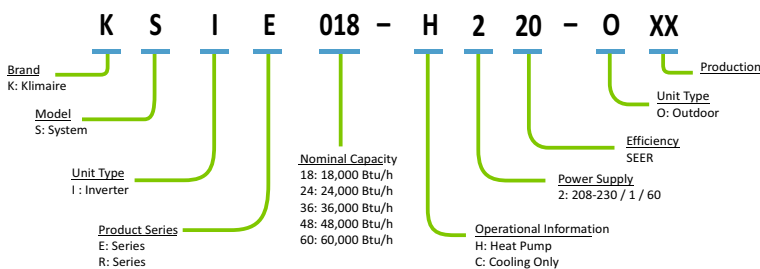
Standard Features

- Continuous air sweep to evenly distribute the air

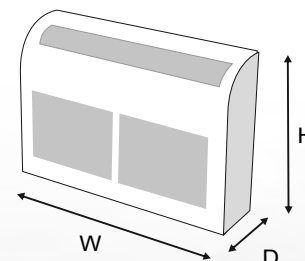
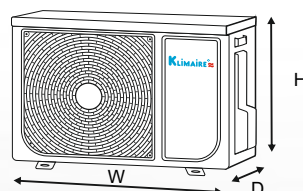
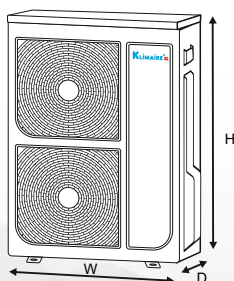
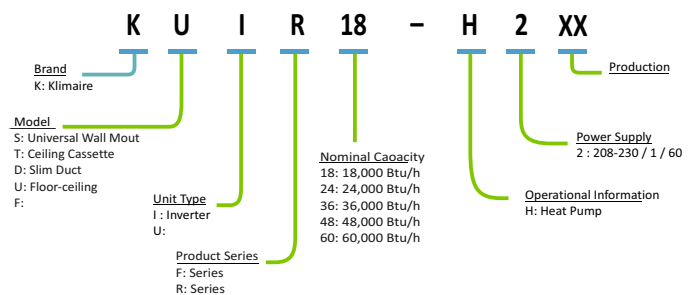


- Anti-Cold-Air (Heat Pump Only)
- Turbo mode
- Auto restart
- Sleep mode
- 5° low ambient heating/cooling
- 46° F Home away winter vacation
- Follow me function

OUTDOOR UNIT PRODUCT CODE



INDOOR UNIT PRODUCT CODE





KUIR- KSIE / KFUF- KSIR Floor-Ceiling Unit Technical Specifications

Model Number	Indoor Unit Outdoor Unit		KUIR18-H2 KSIE018-H220-O	KUIR24-H2 KSIE024-H220-O	KFUF036-H2G1 KSIR036-H218	KFUF048-H2G1 KSIR048-H218	KFUF060-H2G1 KSIR060-H218
Power supply		V-ph-Hz	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60	208~230 / 1 / 60
Cooling	Capacity	Btu/h	18000	24000	36000	48000	54000
	EER	Btu/W	12,5	12,5	8,0	9,3	9,8
	SEER		20	20	16	17,8	18,0
Heating	Capacity	Btu/h	18000	24000	38000	50000	60000
	COP	W/W	3,2	3,8	2,8	3,2	3,16
	HSPF		10,5	11	10,0	11,0	10,5
Heating @ 17° F	Rated capacity	Btu/h	12000	15000	25400	35000	35000
Minimum circuit ampacity		A	15	18	30	35	35
Max. fuse size		A	20	25	50	50	50
Design pressure		psig	550/340	550/340	550/340	550/340	550 / 340
Drainage water pipe diameter		in	1	1	1	1	OD Φ1"
Refrigerant piping	Liquid side/Gas side	in	1/4"/1/2"	3/8"/5/8"	3/8"/5/8"	3/8"/5/8"	3/8" / 3/4"
	Max. pipe length	in	80	160	210	210	210
	Max. level difference	in	30	80	95	95	95
Controller			Remote control	Remote control	Remote control	Remote control	Remote control
Room temperature	Cooling	°F	62~90	62~91	62~92	62~93	62~94
	Heating	°F	32~86	32~87	32~88	32~89	32~90
Operation temperature		°F	62~86	62~87	62~88	62~89	62~90
Indoor Unit			KUIR18-H2	KUIR24-H2	KFUF036-H2G1	KFUF048-H2G1	KFUF060-H2G1
Indoor fan motor	Input	W	100	100	130	96	90
	RLA	A	1,5	2	1,5	1,8	0,75
	Speed (Hi/Med/Lo)	rpm	950/850/750	1350/1260/1120	1300/1150/800	1320/1200/1120	1350/1050/850
Indoor air flow (Hi/Med/Lo)		cfm	578/521/465	759/708/598	1037/917/638	1350/1120/1000	1385/102/207
Indoor noise level (Hi/Med/Lo)		dB(A)	47/44/39	53/48/42	54/49/43	57/54/52	55/39/50
Indoor unit	Dimension (WxDxH)	in	42.1x26.6x9.3	42.1x26.6x9.3	50.6x26.6x9.3	65.0x26.6x9.3	64.96/26.57/9.25
	Packing (WxDxH)	in	45.1x29.7x12.3	45.1x29.7x12.3	53.5x29.7x12.3	67.9x29.7x12.3	67.91/29.72/12.32
	Net/Gross weight	lb	55.12/65.48	58.42/69.23	69/81.57	83.78/97	101.2/110
Outdoor Unit			KSIE0018-H220-O	KSIE0024-H220-O	KSIR036-H218-O	KSIR048-H218-O	KSIR060-H218-O
Compressor	Motor Output	W	1035	1970	2600	3420	3485
	Rated current (RLA)	A	10,50	12,00	22,00	23,5	24,1
Refrigerant	Type / Charge	oz	R410A / 68.8	R410A / 82.9	R410A / 108	R410A / 148.2	R-410A / 163
	Max. level difference	ft	66	82	98	98	98
Outdoor air flow (Max.)		cfm	1470	2354	2530	4470	4414
Outdoor noise level		dB(A)	60	61	66	62,5	65
Dimensions	Net	in	33.3x14.3x27.6	37.2x16.14x31.9	37.2x16.1x31.9	37.5x16.3x52.5	37.5x16.3x13.1
	Packing	in	38.0x15.6x29.7	42.9x19.7x34.5	42.9x19.7x34.5	43.1x19.5x58.3	43.1x19.5x58.3
Weight	Net / Gross	lb	95.24/102.51	136.69/148.59	148.59/160.94	217.4/246.0	224.9/254.0

Continued product improvement is our goal at Klimaire 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 10 ft line set recommended.

2 - Outdoor unit being elevated than the indoor unit oil trap should be installed every 17 ft to 23 ft (5 to 7 m)

3 - Factory installed only, not field option. Units may operate in heating and cooling mode until the ambient conditions reach 5° F

Universal Control KSIR / KTIR / KUIR / KDIR

1 ON/OFF Button

This button turns the air conditioner ON and OFF.

2 MODE Button

Press this button to modify the air conditioner mode in a sequence of following:

→ AUTO → COOL → DRY → HEAT → FAN

NOTE: Please do not select HEAT mode if the machine you purchased is cooling only type. Heat mode is not supported by the cooling only appliance.

3 FAN Button

Used to select the fan speed in four steps:

→ AUTO → LOW → MED → HIGH

NOTE: You can not switch the fan speed in AUTO or DRY mode.

4 SLEEP Button

- Active/Disable sleep function. It can maintain the most comfortable temperature and save energy. This function is available on COOL, HEAT or AUTO mode only.
- For the detail, see "sleep operation" in "USER'S MANUAL".

NOTE: While the unit is running under SLEEP mode, it would be cancelled if MODE, FAN SPEED or ON/OFF button is pressed.

5 TURBO Button

Active/Disable Turbo function. Turbo function enables the unit to reach the preset temperature at cooling or heating operation in the shortest time (if the indoor unit does not support this function, there is no corresponding operation happened when pressing this button.)

6 SELF CLEAN Button

Active/Disable Self Clean function. Under SELF CLEAN mode, the air conditioner will automatically clean and dry the Evaporator and keep it as fresh for the next operation.

7 UP Button (▲)

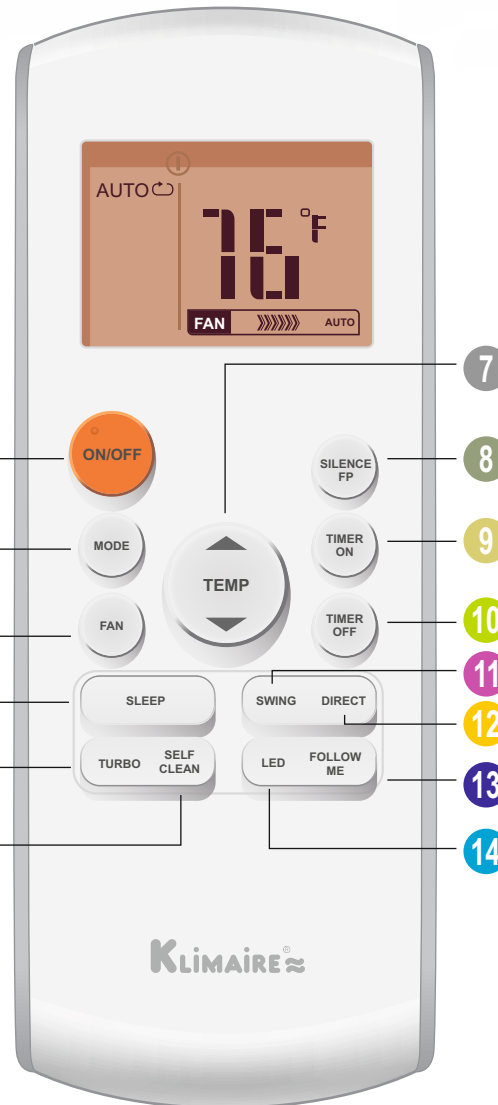
Push this button to increase the indoor temperature setting in 1F increments to 86°F.

8 DOWN Button (▼)

Push this button to decrease the indoor temperature setting in 1F increments to 62°F.

NOTE: Temperature control is not available in Fan mode.

NOTE: Press and hold UP and DOWN buttons together for 3 seconds will alternate the temperature display between the °C & °F scale.



9 SILENCE/FP Button

- Active/Disable SILENCE function. If pushing more than 2 seconds, the "FP" function will be activated, pushing more than 2 seconds again to disable.

- When the Silence function is activated, the compressor will operate at low frequency and the indoor unit will bring faint breeze, which will reduce the noise to the lowest level and create a quiet and comfortable room for you. Due to low frequency operation of compressor, it may result in insufficient cooling and heating capacity.

- Activates/Disables freeze protection "FP" or HOME-AWAY function. It can only be activated during the heating operation. (only when the setting mode is HEAT). The unit will operate at high fan speed with the temperature automatically set to 46 F. The display window of indoor unit will display FP. For the unit without display area, the Defrost indicator light will be keeping on for 2 seconds. Keeps the room over freezing temperature.

10 TIMER ON Button

Press this button to initiate the auto-on time sequence. Each press will increase the auto-timed setting in 30 minutes increments. When the setting time displays 10.0, each press will increase the auto-timed setting 60 minutes increments. To cancel the auto-timed program, simply adjust the auto-on time to 0.0.

11 TIMER OFF Button

Press this button to initiate the auto-off time sequence. Each press will increase the auto-timed setting in 30 minutes increments. When the setting time displays 10.0, each press will increase the auto-timed setting 60 minutes increments. To cancel the auto-timed program, simply adjust the auto-off time to 0.0.

12 SWING Button

Used to stop or start horizontal louver auto swing feature.

13 DIRECT Button

Used to change the louver movement and set the desired up/down air flow direction. The louver changes 6° in angle for each press.

14 FOLLOW ME Button

Push this button to initiate the Follow Me feature, the remote display is actual temperature at its location. The remote control will send this signal to the air conditioner every 3 minutes interval until press the Follow Me button again. The air conditioner will cancel the Follow Me feature automatically if it does not receive the signal during any 7 minutes interval.

15 LED Button

Disable/Active indoor screen Display. When pushing the button, the indoor screen display is cleared, press it again to light the display.



Slim Ceiling Recessed Ducted



Standard Features



Sleep Mode



Anti-cold Air Function



Auto Restart Function



Timer



Independent Dehumidification



Auto Defrosting



Wired Control



Low Ambient Cooling



2-way Draining

Optional Features



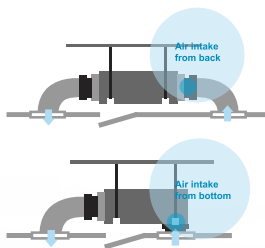
Fresh Air



Build-in Drain Pump

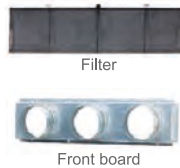
Flexible Air Intake Ways ▶

Air inlet from back standard and from bottom optional. The size of the plate from bottom and flange from back is the same, it's easy for installer to change the air inlet from back to bottom.



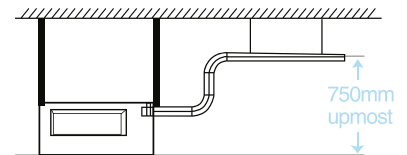
Optional Accessories ▶

Optional accessories are available to meet the different needs of customers and enhance performance.



Built-in Drain Pump (Optional) ▶

The drain pump can lift the condensing water up to 750mm.



KDIR /KDIP

Slim Ceiling Recessed Ducted



Slim Ceiling Recessed Ducted 12, 18, 24, 36, 48 & 60,000 Btu

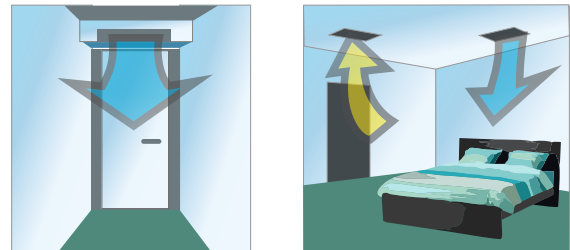
The slim duct hide-away low profile fan coil unit can be mounted above a dropped ceiling or in an attic space, no floor space or cabinet enclosure is required. They use minimal duct-work which makes it very energy efficient, back air inlet is standard, and bottom is optional.

- Concealed and out of sight
- As efficient as a min-split with the appearance of central air
- Shorter duct-work lower duct losses equal higher efficiency
- Return air interchangeable back or bottom flange plate
- Fresh air intake duct connection
- Advanced high tech built-in control board

Standard Features

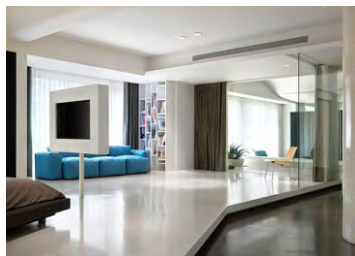
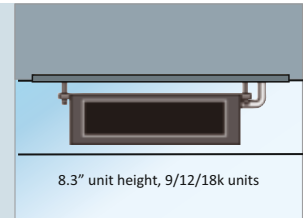
- Insulated cabinet, quiet operation with a touch of compact design
- Static pressure fan switch for various duct designs
- Convenient standard dual remote control, wired and wireless.

Ideal for cooling several nearby zones



Slim Duct

Suitable where ceiling cavity is small. Exterior drain pump could be required where there is not enough slope for drain.



46° F Home away winter vacation



Anti-Cold-Air



Auto restart



Wired and Wireless Control



Sleep mode



Follow me



Static pressure fan speed switch

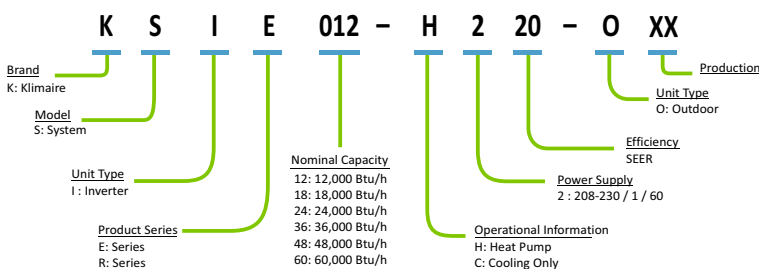


2-way draining connection

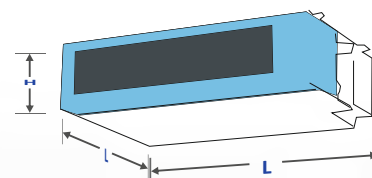
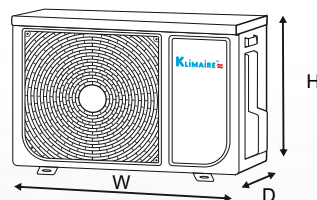
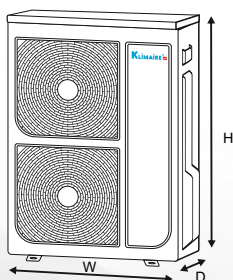
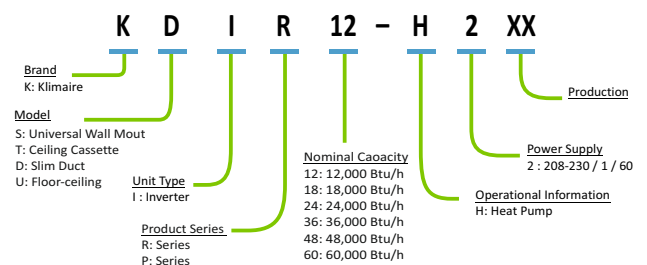


Low ambient heating/cooling

OUTDOOR UNIT PRODUCT CODE



INDOOR UNIT PRODUCT CODE





KDIR - KSIE / KDIP - KSIE / KDIP - KSIR

Technical Specifications

Model Number	Indoor Unit Outdoor Unit		KDIR12-H2	KDIP18-H2	KDIP24-H2	KDIP036-H2G1	KDIP048-H2G1	KDIP060-H2G1
			KSIE012-H220-O	KSIE018-H220-O	KSIE024-H220-O	KSIR036-H218	KSIR048-H218	KSIR060-H218
Power supply		V-ph-Hz	208-230~1-60	208-230~1-60	208-230~1-60	208~230-1-60	208~230-1-60	208~230-1-60
Cooling	Capacity	Btu/h	12000	18000	24000	36000	48000	57000
	EER	Btu/W	12,5	12,5	12,5	8,5	8,9	10
	SEER		21,5	19	21	16,5	17,4	18
Heating	Capacity	Btu/h	12000	18000	24400	40000	49500	62000
	COP	W/W	3,29	3,14	3,52	3,4	3,52	3,6
	HSPF		11,5	10,5	11	11,5	10,3	9,0
Heating @ 17° F	Rated capacity	Btu/h	7300	11500	16800	25200	32000	62000
Minimum circuit ampacity - MCA		A	12	15	18	30	35	35
Max. fuse size		A	15	20	25	50	50	50
Design pressure		psig	550/340	550/340	550/340	550/340	550/340	550/340
Drainage water pipe diameter		in	1	1	1	1	1	1
Refrigerant piping	Liquid side/ Gas side	in	1/4"/1/2"	1/4"/1/2"	3/8"/5/8"	3/8"/5/8"	3/8"/5/8"	3/8"/3/4"
	Max. pipe length	ft	82	98	164	213	213	213
Controller			Wired control	Wired control	Wired control	Wired control	Wired control	Wired control
Room temperature	Cooling	°F	62~90	62~91	62~92	62~93	62~94	62~95
	Heating	°F	32~86	32~87	32~88	32~89	32~90	32~91
Operation temperature		°F	62~86	62~87	62~88	62~89	62~90	62~91
	Indoor Unit		KDIR12-H2	KDIP18-H2	KDIP24-H2	KDIP036-H2G1	KDIP048-H2G1	KDIP060-H2G1
Indoor fan motor	Input	W	130	90	90	250	420	560
	RLA	A	1,1	1,2	1,5	1,6	2	3,65
	Speed (Hi/Med/Lo)	rpm	1170/1030/850	850/700/450	880/820/690	1130/1050/990	890/820/840	1060/910/790
Indoor air flow (Hi/Med/Lo) (No duct)		cfm	353/283/177	530/450/371	776/694/435	1082/912/703	1229/1032/715	2157/1710/1262
Indoor noise level (Hi/Med/Lo)		dB(A)	38/26/33.5	39/37/35	44/-/40	53/51/47	52 /49/46	57/51/54
ESP	Range	Pa	0-40	0-100	0-160	0-100	0-100	0-200
	Range	in Hg	0--0.16	0-0.40	0-0.64	0-0.40	0-0.40	0-0.8
Indoor unit	Dimension (WxDxH)	in	27.6x17.7x7.9	34.7x28.5x8.3	43x30x10	54x30x10	47.2x34.4x11.8	55.1/33.8/17.3
	Packing(WxDxH)	in	33.9x21.3x10.8	42.1x28.5x10.6	51x32x12	62x32x12	55.3x36.0x14.0	63.2/35.8/19.9
	Net/Gross weight	lb	37.5/48.3	54/66	87/103	106/122	120/142	163.1/189.6
	Outdoor Unit		KSIE0012-H220-O	KSIE0018-H220-O	KSIE0024-H220-O	KSIR036-H218	KSIR048-H218	KSIR060-H218
Compressor	Motor Output	W	800	1035	1970	2600	3420	3485
	Rated current (RLA)	A	6,80	10,50	12,00	22,00	23,5	24,1
Refrigerant	Type / Charge	oz	R410A / 40.6	R410A / 68.8	R410A / 82.9	R410A / 108	R410A /148.2	R-410A / 163
	Max. level difference	ft	33	66	82	98	98	98
Outdoor air flow (Max.)		cfm	1120	1470	2354	2530	4470	4414
Outdoor noise level		dB(A)	58	60	61	66	62,5	65
Dimensions	Net	in	31.5x13.1x21.8	33.3x14.3x27.6	37.2x16.14x31.9	37.2x16.1x31.9	37.5x16.3x52.5	37.5x16.3x13.1
	Packing	in	36.2x15.4x24.2	38.0x15.6x29.7	42.9x19.7x34.5	42.9x19.7x34.5	43.1x19.5x58.3	43.1x19.5x58.3
Weight	Net / Gross	lb	76.72/82.67	95.24/102.51	136.69/148.59	148.59/160.94	217.4/246.0	224.9/254.0

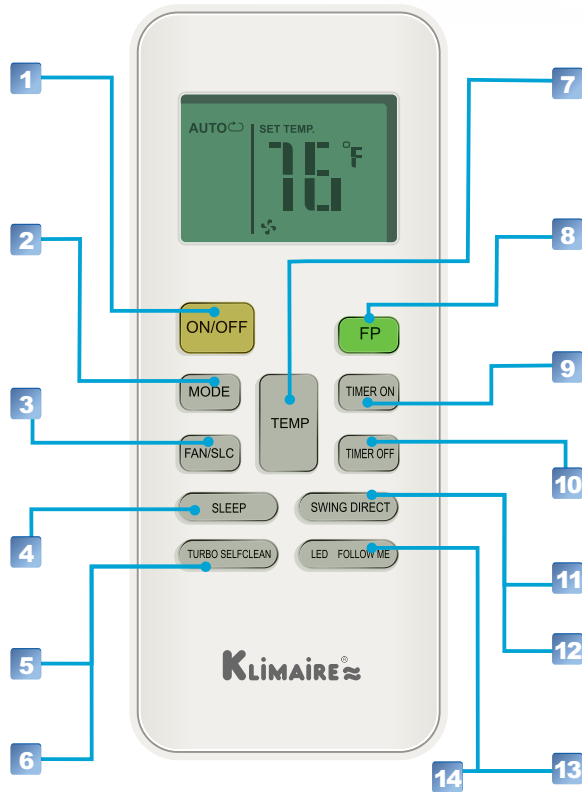
Continued product improvement is our goal at Klimaire Products, Inc. Hence, specifications and data listed herein are subject to change without notice and without obligation on our part. Always comply with local, state, and national electrical codes.

1 - Minimum 10 ft line set recommended.

2 - Outdoor unit being elevated than the indoor unit oil trap should be installed every 17 ft to 23 ft (5 to 7 m)

3 - Factory installed only, not field option. Units may operate in heating and cooling mode until the ambient conditions reach 5° F

KDIR / KDIP Remote Control



- 1 ON/OFF Button**
Operation starts when this button is pressed and stops when this button is pressed again.
- 2 MODE Button**
Each time the button is pressed, the operation mode is selected in a sequence of following:

▶ AUTO → COOL → DRY → HEAT → FAN ▶

NOTE: Please do not select HEAT mode if the machine you purchased is cooling only type. Heat mode is not supported by 0 the cooling only appliance.
- 3 FAN Button**
Used to select the fan speed in four steps: r

▶ AUTO → LOW → MED → HIGH ▶
- 4 SLEEP Button**
Active/Disable sleep function. It can maintain the most comfortable temperature and save energy. This function is available on COOL, HEAT or AUTO mode only.
NOTE: While the unit is running under SLEEP mode, it would be cancelled if MODE, FAN SPEED or ON/OFF button is pressed.
- 5 TURBO Button**
Active/Disable Turbo function. Turbo function enables the unit to reach the preset temperature at cooling or heating operation in the shortest time(if the indoor unit does not support this function, there is no corresponding operation happened when pressing this button.)

- 6 SELF CLEAN Button**
Active/Disable Self Clean function. Under self clean mode, the air conditioner will automatically clean and dry the evaporator and keep it as fresh for the next operation.
- 7 UP Button (^)**
Push this button to increase the indoor temperature setting in 1°F increments to 86°F.
DOWN Button (v)
Push this button to decrease the indoor temperature setting in 1°F increments to 62°F.
NOTE: Press and hold and buttons together for 3 seconds will alternate the temperature display between the °C & °F scale.
- 8 SHORTCUT Button**
Used to restore the current settings or resume previous settings. On the first time connecting to the power, if push the SHORTCUT button, the unit will operate on AUTO mode, 80°F, and fan, speed is Auto.
• Push this button when remote controller is on, the system will automatically revert back to the previous settings including operating mode, setting temperature, fan speed level and sleep feature (if activated). And transmit the signals to the unit.
• If push this button when remote controller is off, the system will only resume the previous settings and will not transmit the signals to the unit. And the sleep feature is disable.
• If pushing more than 2 seconds, the system will automatically restore the current operation settings including operating mode, setting temperature, fan speed level and sleep feature(if activated).
- 9 TIMER ON Button**
Press this button to initiate the auto-on time sequence. Each press will increase the auto-timed setting in 30 minutes increments. When the setting time displays 10, each press will increase the auto-timed setting 60 minutes increments. To cancel the auto-timed program, simply adjust the auto-on time to 0.0.
- 10 TIMER OFF Button**
Press this button to initiate the auto-off time sequence. Each press will increase the auto-timed setting in 30 minutes increments. When the setting time displays 10, each press will increase the auto-timed setting 60 minutes increments. To cancel the auto-timed program, simply adjust the auto-off time to 0.0
- 11 DIRECT Button**
Used to change the louver movement and set 0 the desired up/down air flow direction. The louver changes 6° in angle for each press.
- 12 SWING Button**
Used to stop or start horizontal louver auto swing feature.
- 13 FOLLOW ME Button**
Push this button to initiate the Follow Me feature, the remote display is actual temperature at its location. The remote control will send this signal to the air conditioner every 3 minutes interval until press the Follow Me button again. The air conditioner will cancel the Follow Me feature automatically if it does not receive the signal during any 7 minutes interval.
- 14 LED Button**
Disable/Active indoor screen Display. When pushing the button, the indoor screen display is cleared, press it again to light the display.

KDIR/KDIP Wired Remote Control

1 Operation mode indication:

When press " MODE " button, the following mode can be selected in circle. Auto →Cool →Dry→Heat→Fan only→Auto. For cooling only model,heat mode is skipped.

2 Timer :

When adjust setting on time or only on time is set, the "ON" is lighted.

When adjust setting off time or only off time is set , the "OFF" is lighted. If on and off timer are both set, the"ON" and "OFF"are both lighted.

3 Follow me function:

There is a temperature sensor inside the wire controller, after setting temperature, it will compare the two temperatures, and the space of wire controller will be the same as setting temperature. It is available under cooling, heating, auto mode.

4 ON/OFF indication :

When it is on, the icon display, otherwise it is extinguished.

5 Fan speed indication :

There are four fan modes : low, middle,

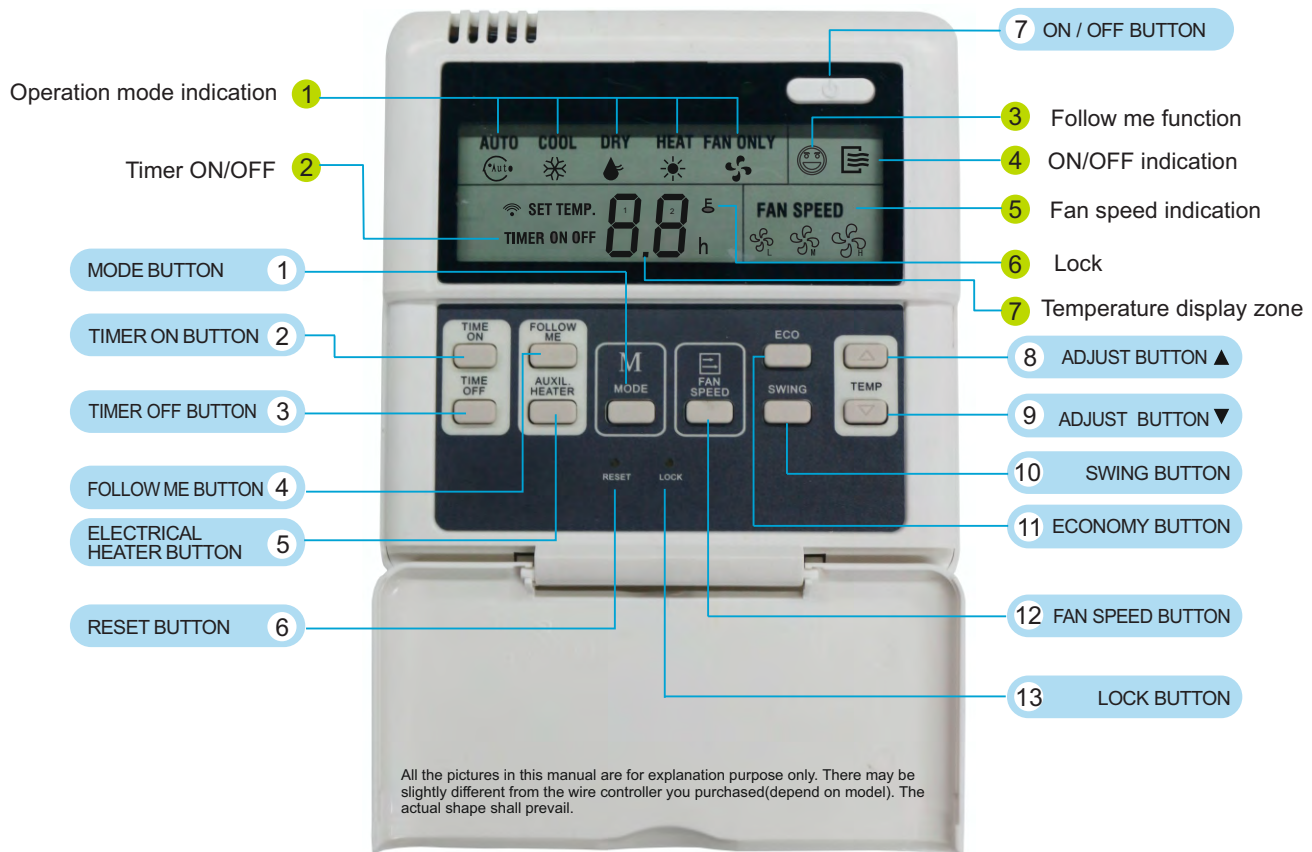
high, auto. For some models, no middle fan then the middle fan is seen as high speed.

6 Lock:

When the " LOCK " button is pressed, the icon appear and other buttons is unable, press again, the icon disappear.

7 Temperature display zone:

Generally it displays setting temperature, it can be adjusted by press temperature button ▲ and ▼. But in fan mode, no display here.



All the pictures in this manual are for explanation purpose only. There may be slightly different from the wire controller you purchased(depend on model). The actual shape shall prevail.

1 Mode button:

When press this button,the operation mode change as the following sequence:

☐ →AUTO → COOL → DRY → HEAT → FAN → ☐

Remark: For the cooling only model, the heating mode is skipped.

2 Timer on button :

Press this button, timer on function is active. Then every press, the time increase 0.5h, after 10h, 1h increasement after each press. If cancel this Function, just set it to "0.0" .

3 Timer off button:

Press this button, timer off function is active. Then every press, the time increase 0.5h, after 10h, 1h increasement after each press. If

cancel this function, just set it to "0.0" .

4 Follow me button :

When under cool, heat and auto mode, press this button, follow me function is active. Pressing the ON/OFF button or MODE button will not cancel the Follow me feature. This function is disable when the unit is off or under DRY or FAN

mode. Pressing the FOLLOW ME button again will cancel the follow me feature.

5 Electrical heater button :

If press this button in heat mode, electrical heater function become ineffective.

6 Reset button(hidden):

Use a 1mm stick to press in the little hole, then the current setting is canceled. The wire controller enter into original state.

7 ON/OFF button:

When in off state, press this button, the indicator is on, the wire controller enter into on state, and send setting information to in door Pcb. When in on state,press this button, the indicator is off, and send instruction. If timer on or timer off has been set, it cancel this setting then send instruction to stop the machine.

8 Adjust button ▲ :

Set indoor temperature up. If press and hold on, it will increase at 1°C(1°F) per 0.5 second.

9 Adjust button ▼ :

Set indoor temperature down. if press and hold on, it will decrease at 1°C(1°F) per 0.5 second.

NOTE: Press and hold UP and DOWN buttons together will alternate the temperature display between the C & °F scale.

10 Swing button:

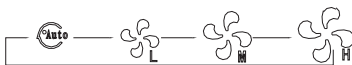
Used to set the airflow direction. Hold down this button for 2 seconds to activate auto swing feature.

11 Economy operation button :

press this button, the indoor unit operates in economy mode, press again, exit this mode (it may be ineffective for some models)

12 Fan speed button:

press this button consecutively, the fan speed will circle as follow:



13 Lock button(hidden):

When you push the LOCK button, all current settings are locked in and the wire controller does not accept any operation except that of the LOCK button. Use the lock mode when you want to prevent setting from being

changed accidentally or play fully. Push the LOCK button again when you want to cancel the LOCK mode.

USING METHOD

AUTOMATIC OPERATION

Connect to power, indoor operation lamp flash.

1. Press "MODE" button, select "AUTO" ;

temperature you want, generally it is among 17°C(62°F)~30°C(86°F);

3. Press " ON/OFF" button, operation lamp is on, the air-conditioner work in auto mode, indoor fan is auto, and can not be changed. Auto is displayed on LCD. Press ON/OFF button again to stop.
4. Economy operation is valid in auto mode.
5. In event of power interruption such as a blackout, the air conditioner stops once. But it restarts automatically and performs previous operation when the power supply is resumed.

COOL/HEAT/FAN MODE OPERATION

1. Press "MODE" button, select "COOL" , "HEAT" or "FAN ONLY" mode.
2. Press temperature adjust button to select setting temp.
3. Press "FAN SPEED" button to select high/mid/low/auto.
4. Press "ON/OFF" button, indoor unit operation lamp on, it works in selected mode. Press "ON/OFF" button again, it stops to work.

Remark: When in fan mode, no temperature can be set.

DRY OPERATION

1. Press " MODE " button, select " DRY " mode.
2. Press temperature adjust button to select setting temp.
3. Press " ON/OFF " button, indoor unit operation lamp on, it works in dry mode. Press ON/OFF button again, it stops to work.
4. In dry mode, economy operation and fan speed are ineffective.

8

TIMER SETTING

Timer on only:

1. Press " TIME ON " button, it display "SET" on LCD, and display " H " and "ON" , it is waiting for timer on setting.
2. Press " timer " on button repeatedly to adjust time setting.
3. If press this button and hold on, the time will increase at 0.5h, after 10h, it increase at 1h.
4. After setting 0.5 second, the wire controller send timer on information, it is finished.

Timer off only:

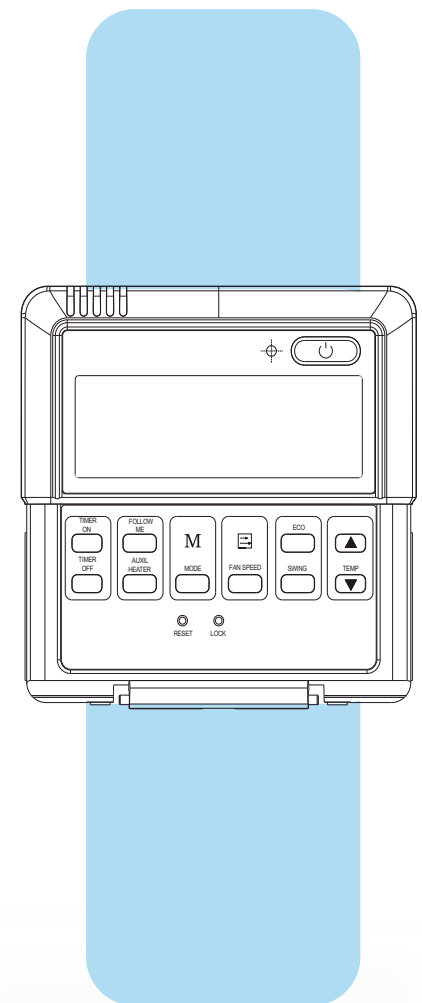
1. Press "TIME OFF " button, it display "SET" on LCD, and display " H " and ON, it is waiting for timer on setting.
2. Press "TIME OFF" button repeatedly to adjust time setting.
3. If press this button and hold on , the time will increase at 0.5h, after 10h, it increase at 1h.
4. After setting 0.5 second, the wire controller send timer off information, it is finished.

TIMER ON AND TIMER OFF BOTH

1. Set timer on time as the corresponding step1 and 2.
2. Set timer off time as the corresponding step1 and 2.
3. Timer off time must be longer than timer on time.
4. 0.5 second after setting, the wire controller send information.the setting is finished.

CHANGE TIMER

If there is a need of changing timer time, press corresponding button to revise it. If cancel timer, change timer time to 0.0.



KSIR

Wall Mounted Unit



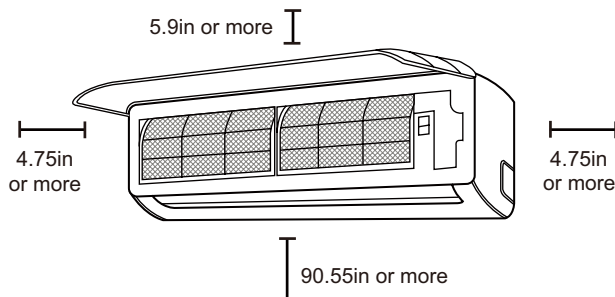
Wall Mounted Fan Coil 30 & 36,000 Btu

KSIR high wall mounted indoor unit sleek design matches any type of décor. They mount high on a wall, out of sight and do not require ductwork, increasing energy efficiency. This Klimaire newly designed, jam-packed with high-tech features, sleek and attractive indoor unit is whisper quiet, and comes with fully-function remote control along with many comfort indoor air quality features for individual comfort. You can choose from heating, cooling, fan or dehumidification modes, built-in emergency MANUAL switch button for convenience and wall bracket for easy installation.



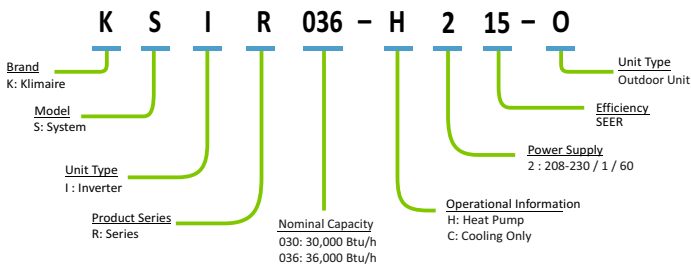
Standard Features

- Louver position memory
- Super quiet
- Decorative and elegant design
- Emergency use function

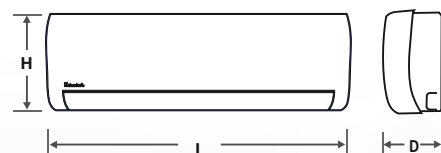
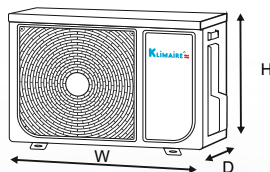
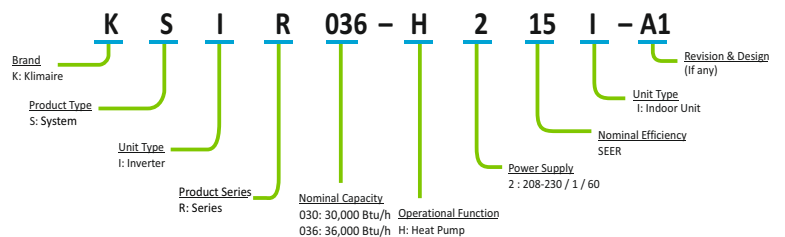


- Anti-Cold-Air** (Heat Pump Only)
- 46° F Home away winter vacation**
- Auto restart**
- Turbo mode**
- Follow me function**
- Sleep mode**
- 5° low ambient heating/cooling**

OUTDOOR UNIT PRODUCT CODE



MINI SPLIT SINGLE ZONE PRODUCT CODE



KSIR - KSIR

Wall Monted Unit Technical Specifications

Model Number	System		KSIR036-H215-S
	Indoor Unit	Outdoor Unit	KSIR036-H215-I KSIR036-H215-O
Power supply		V-ph-Hz	208-230~1-60
Cooling	Capacity	Btu/h	36000
	Input power	W	4235
	Rated current	A	18,5
	EER	Btu/w	8,5
	SEER	Btu/w	16
Heating	Capacity	Btu/h	36000
	Input power	W	3835
	Rated current	A	16,7
	COP	W/W	2,8
	HSPF	Btu/w	10
Minimum circuit ampacity		A	25
Max. fuse size		A	35
Design pressure		psig	550/340
Remote control type			Wireless
Communication wiring			16AWGx4 stranded, unshielded
	Liquid side/ Gas side	in	3/8" / 5/8"
Refrigerant piping	Max. refrigerant pipe length	ft	213
	Max. difference in level	ft	98
Operation temperature	Indoor (cooling/ heating)	°F	62~90/32~86
	Outdoor (cooling/heating)-optional	°F	5~122/5~86
Application area (cooling standard)		sq.ft	1230 - 1440
	Indoor Unit		KSIR036-H215-O
Indoor fan motor	Output power	W	58
	Speed (Hi/Mi/Lo)	rpm	1200/1050/750
Indoor air flow (Hi/Med/Lo)		cfm	853/647/471
Indoor noise level (Hi/Med/Lo)		dB(A)	54.5/-/38.5
Indoor unit	Dimension (W*D*H)	in	49.6x11.1x14.3
	Packing (W*D*H)	in	52.8x17.7x15.0
	Net / Gross weight	lb	43.2/55.6
	Outdoor Unit		KSIR036-H215-O
Compressor	Input power	W	2070
	Motor output	W	120
Refrigerant	Type / charge	oz	R-410A / 119.9
	Precharged for up to	ft	25
	Additional charge / ft	oz	0,322
Outdoor air flow		cfm	2943
Outdoor noise level		dB(A)	63
Dimensions	Net (W*D*H)	in	37.2x16.5x31.9
	Packing (W*D*H)	in	42.9x19.7x34.1
Weight	Net/Gross	lb	136.7/147.3

Continued product improvement is our goal at Klimaire 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 10 ft line set recommended.

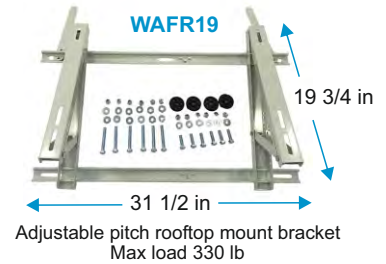
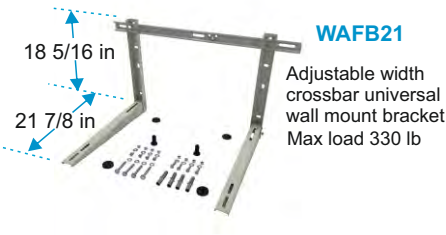
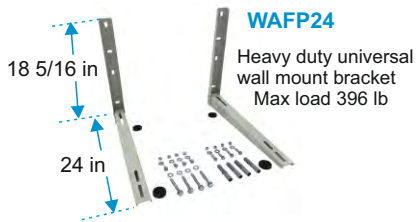
2 - Outdoor unit being elevated than the indoor unit oil trap should be installed every 17 ft to 23 ft (5 to 7 m)

3 - Factory installed only, not field option. Units may operate in heating and cooling mode until the ambient conditions reach 5° F



Accessories

Brackets



Drain Kit Minipump



Lifts up to 19'
115 V / 230 V

JAG-3000-2	Application
Wall mount	Optional
Cassette	Optional
Ducted	Optional
Floor-ceiling	Optional

Installation kits

Kit Number	Specification	Application
IKM1438F16-C17	1/4" liquid x 3/8" suction - 15' length	9k Btu Fan coils
IKM1438F25-C26	1/4" liquid x 3/8" suction - 25' length	9k Btu Fan coils
IKM1412F16-C17	1/4" liquid x 1/2" suction - 15' length	12k & 18k Fan coils
IKM1412F25-C26	1/4" liquid x 1/2" suction - 25' length	12k & 18k Fan coils
IKM1412F35-C36	1/4" liquid x 1/2" suction - 35' length	12k & 18k Fan coils
IKM3858F16-C17	3/8 liquid x 5/8" suction -15' length	24k, 36k, 48k & 60k Fan coils
IKM3858F25-C26	3/8 liquid x 5/8" suction -25' length	24k, 36k, 48k & 60k Fan coils
IKM3858F50-C51	3/8 liquid x 5/8" suction -50' length	24k, 36k, 48k & 60k Fan coils



Factory flared, pre-insulated ASTM-B280 Soft copper / 16 AWGx4 Stranded, unshielded interconnecting cable

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