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.
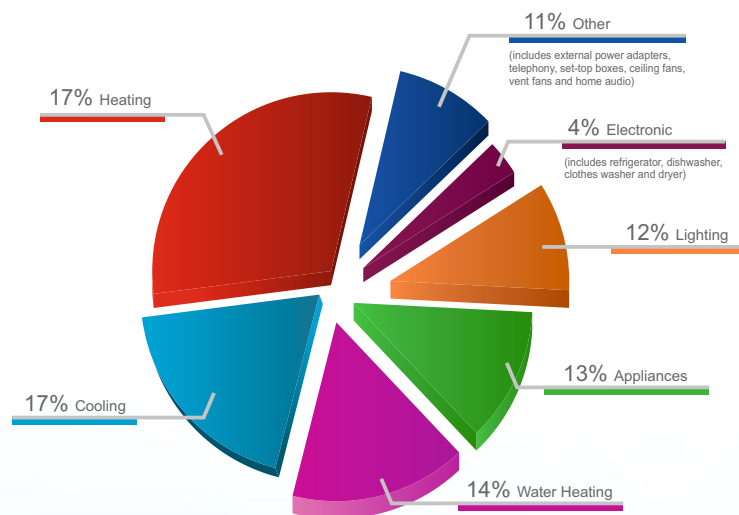
Flexibility is the main role of their popularity.

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.

The Smart Choice...

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, ventilating, and air conditioning (HVAC) system can have a big effect on your utility bills and your comfort.

Klimaire *Invertech*® DC Inverter - driven ductless air conditioners and heat pumps can save you up to 33% in your power utility bill when compare with room air conditioners or standard efficiency 10 SEER ductless systems. Even up to 30% energy consumption savings can be achieved when ductless Invertech units are practical to install and preferred over traditional ducted central units. Total savings can reach up to 60% when the two options are combined.

11% Other
(includes external power adapters, telephony, set-top boxes, ceiling fans, vent fans and home audio)

17% Heating

4% Electronic
(includes refrigerator, dishwasher, clothes washer and dryer)

12% Lighting

13% Appliances

17% Cooling

14% Water Heating

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.

Free Match Multi System

Space-saving installation

Up to 5 indoor units can be connected to a single outdoor unit, reducing the number of outdoor units required.
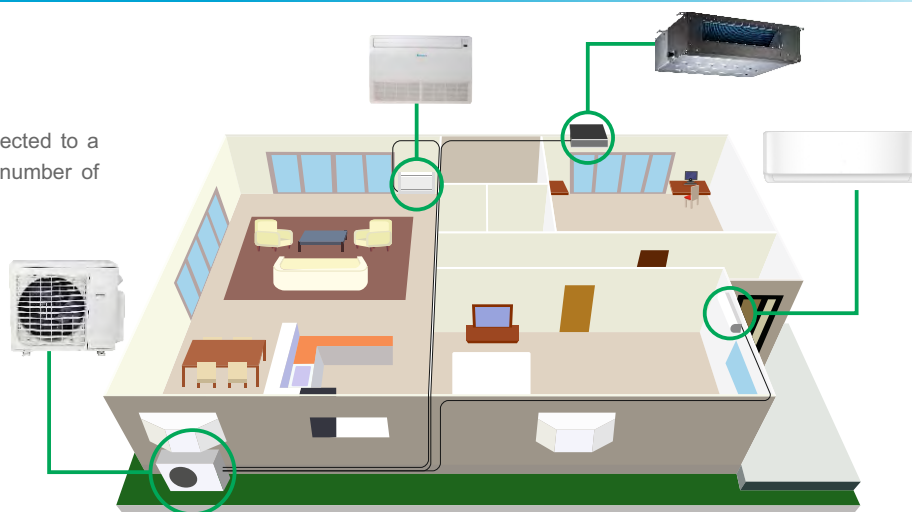
Experience the True Individual Comfort

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.

MULTI ZONE UP TO 5
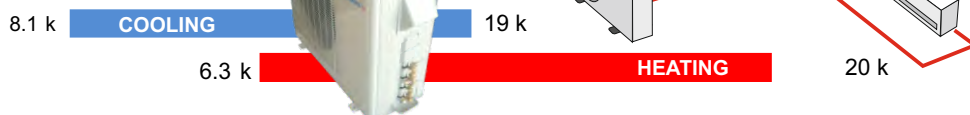**INVERTER FLEX MATCH**

KLIMAIRE ®

Design Flexibility, More Than 61 Capacity Combinations

With Six Different Different Indoor Units Type

Dual Zone
KMIR218-H221
Up to two indoor units
Up to 21 SEER

| 8.1 k | COOLING | 19 k |
| 6.3 k | HEATING | 20 k |

Triple Zone
KSIM330-H219
Up to three indoor units
Up to 22 SEER

| 15.8k | COOLING | 32.8 k |
| 16.3 k | HEATING | 34.1 k |
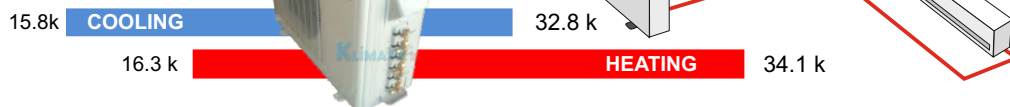
Quad Zone
KSIM40912-H216
Up to four indoor units
Up to 22 SEER

| 21.0 k | COOLING | 43.8 k |
| 21.0 k | HEATING | 43.8 k |

Quad Zone
KMIR436-H222
Up to four indoor units
Up to 16 SEER

| 21.0 k | COOLING | 43.8 k |
| 21.0 k | HEATING | 43.8 k |

Penta Zone
KMIR545-H219
Up to four indoor units
Up to 19 SEER

| 28.0 k | COOLING | 52.5 k |
| 28.0 k | HEATING | 55 k |

Noise Level

dB(A) Level

dB(A)	Reference
140	Jet Engine at 100'
105	Power Tools
70	Normal Conversation from 3 - 5'
35	Whisper Quiet Library
0	Weakest Sound Heard

Klimaire Unit
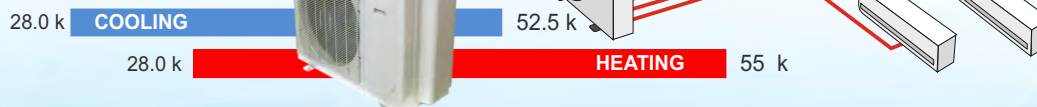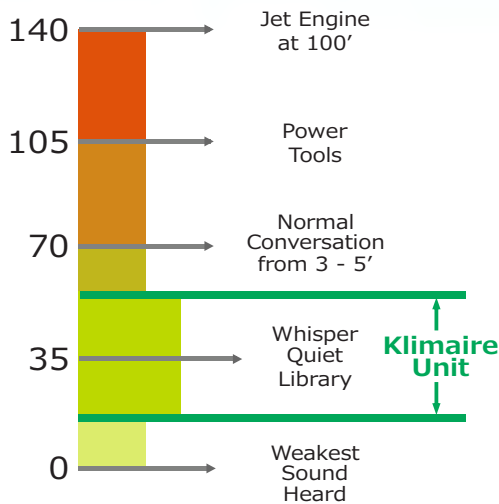
Flexible and Quiet

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

Multi Zone Application

For maximum comfort throughout the entire house multi zone Invertech models are ideal to best match your room requirements when it is needed to condition more than one space. It is not necessary to use several separate systems. Klimaire 2, 3 4 or 5 zone systems can easily respond to your heating and cooling needs. Each indoor unit is independently controlled to meet your specific comfort preferences, and there are several models available in ductless and ducted type designed to be placed just about anywhere for any application for your home or your business.

Klimaire multi zone inverter models can provide the highest diversity design flexibility in your home for day and night operation. Klimaire offers three different multi zone systems – dual zone, tri zone, and quad zone – with different appearance to fit your own decor.

WALL MOUNT

CEILING CASSETTE

WALL MOUNT

FLOOR/CEILING

DUCTED RECESSED

PENTA (5) ZONE

OUTDOOR UNIT

Ductless Split Multi-zone

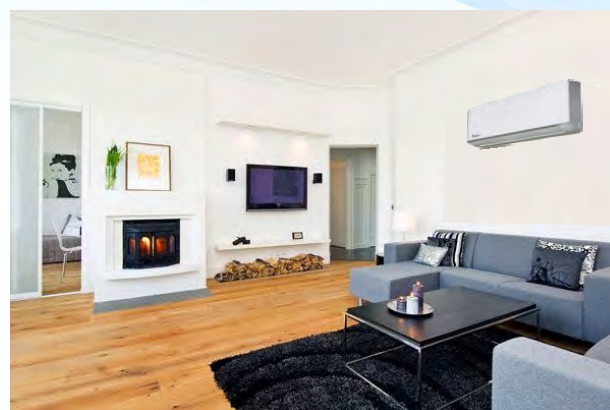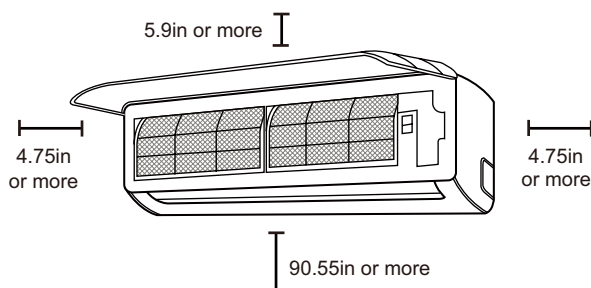| O.U. Model Number		Cooling Capacity (Btu/h)					Heating Capacity (Btu/h)				
KMIR218-H221	Type	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5
9+9	Duo-Zone	9.000	9.000				9.500	9.500			
9+12		8.500	10.500				9.000	11.000			
12+12		9.500	9.500				10.000	10.000			
KMIR327-H217		Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5
12+18	Duo-Zone	10.000	15.000				11.200	16.800			
18+18		14.000	14.000				15.000	15.000			
9+9+9	Tri-Zone	9.000	9.000	9.000			9.500	9.500	9.500		
9+9+12		8.667	8.667	11.667			9.500	9.500	12.000		
9+9+18		8.333	8.333	13.333			9.000	9.000	14.000		
9+12+12		8.500	10.000	10.000			8.500	11.000	11.000		
12+12+12		9.667	9.667	9.667			10.667	10.667	10.667		
KMIR436-H217		Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5
12+12+18	Tri-Zone	11.000	11.000	14.000			12.000	12.000	15.000		
12+18+18		9.333	13.333	13.333			10.000	14.500	14.500		
12+12+24		8.000	8.000	20.000			9.000	9.000	21.000		
9+9+9+9	Quad-Zone	9.000	9.000	9.000	9.000		9.500	9.500	9.500	9.500	
9+9+9+12		8.500	8.500	8.500	11.500		9.000	9.000	9.000	12.000	
9+9+9+18		8.000	8.000	8.000	14.000		8.500	8.500	8.500	14.000	
9+9+12+12		8.000	8.000	10.500	10.500		8.500	8.500	11.000	11.000	
9+9+12+18		7.500	7.500	9.000	14.000		8.000	8.000	9.500	14.500	
9+12+12+12		7.000	10.000	10.000	10.000		8.000	10.500	10.500	10.500	
12+12+12+12		9.500	9.500	9.500	9.500		10.000	10.000	10.000	10.000	
KMIR545-H219		Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5
9+18+24	Tri-Zone	8.500	15.500	21.000			9.000	16.000	21.500		
9+24+24		8.000	20.000	20.000			8.500	21.000	21.000		
12+18+24		10.500	15.500	21.500			11.000	16.000	22.000		
12+24+24		10.000	20.000	20.000			11.000	20.500	20.500		
18+18+18		16.000	16.000	16.000			16.500	16.500	16.500		
18+18+24		15.000	15.000	20.000			15.500	15.500	21.000		
9+9+9+24	Quad-Zone	8.500	8.500	8.500	20.500		9.000	9.000	9.000	21.000	
9+9+12+24		8.500	8.500	10.500	20.500		9.000	9.000	11.100	21.000	
9+9+18+18		8.500	8.500	15.500	15.500		9.000	9.000	16.000	16.000	
9+9+18+24		8.000	8.000	14.500	20.000		8.500	8.500	15.000	20.000	
9+12+12+18		9.000	11.000	11.000	16.000		9.500	11.500	11.500	16.500	
9+12+12+24		8.500	10.000	10.000	20.000		9.000	10.500	10.500	20.500	
9+12+18+18		8.500	10.000	15.000	15.000		9.000	10.500	15.500	15.500	
9+18+18+18		8.000	14.000	14.000	14.000		8.500	14.500	14.500	14.500	
12+12+12+18		11.000	11.000	11.000	16.000		11.500	11.500	11.500	16.500	
12+12+12+24		10.000	10.000	10.000	20.000		10.500	10.500	10.500	20.500	
12+12+18+18		10.000	10.000	15.000	15.000		10.500	10.500	15.500	15.500	
9+9+9+9+9	Penta-Zone	9.000	9.000	9.000	9.000	9.000	9.500	9.500	9.500	9.500	9.500
9+9+9+9+12		9.000	9.000	9.000	9.000	12.000	9.500	9.500	9.500	9.500	13.000
9+9+9+9+18		8.500	8.500	8.500	8.500	16.000	9.000	9.000	9.000	9.000	16.500
9+9+9+9+24		7.750	7.750	7.750	7.750	19.500	8.000	8.000	8.000	8.000	20.000
9+9+9+12+12		9.000	9.000	9.000	11.500	11.500	9.500	9.500	9.500	12.000	12.000
9+9+9+12+18		8.000	8.000	8.000	11.000	16.000	8.500	8.500	8.500	11.500	16.500
9+9+9+18+18		8.000	8.000	8.000	11.000	16.000	8.500	8.500	8.500	16.500	16.500
9+9+12+12+12		8.500	8.500	11.000	11.000	11.000	9.000	9.000	12.000	12.000	12.000
9+9+12+12+18		8.500	8.500	10.000	10.000	15.000	8.500	8.500	10.500	10.500	15.500
9+12+12+12+12		8.000	11.000	11.000	11.000	11.000	8.500	11.500	11.500	11.500	11.500
9+12+12+12+18		7.500	10.000	10.000	10.000	14.500	8.000	10.500	10.500	10.500	15.000
12+12+12+12+12		10.500	10.500	10.500	10.500	10.500	11.000	11.000	11.000	11.000	11.000

KSIE

Wall Mounted Fan Coil 9, 12, 18 & 24,000 Btu

KSIE 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
- 12 grades IU fan speed
- Decorative and elegant design
- Super quiet
- Emergency use function

5.9in or more

4.75in or more

4.75in or more

90.55in or more

Anti-Cold-Air (Heat Pump Only)

Turbo mode

Auto restart

Sleep mode

Follow me function

5° low ambient heating/cooling

46º F Home away winter vacation

KSIE series wall mounted Fan Coil Unit

Klimaire Model Number			KSIE009-H221-I	KSIE012-H220-I	KSIE018-H220-I	KSIE024-H220-I
Power supply		V-ph-Hz	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60
Capacity	Cooling	Btu/h	9000	12000	18000	24000
	Heating @ 47º F	Btu/h	9800	12000	18000	25000
Indoor fan motor	Power Input	W	20 (Output)	20 (Output)	58 (Output)	120 (Output)
Indoor air flow (Hi/Med/Lo)		cfm	265/205/141	306/212/147	559/365/306	618/471/324
Indoor noise level (Hi/Med/Lo)		dB(A)	39/-/24.5	39/-/25	45.5/-/34.5	50/-/35.5
Indoor unit	Dimensions (W*D*H)	in	31.57x7.44x11.69	31.57x7.44x11.69	42.52x8.90x13.19	42.52x8.90x13.19
	Packing (W*D*H)	in	34.45x11.22x14.76	34.45x11.22x14.76	45.47x16.34x12.40	45.47x16.34x12.40
	Net/Gross weight	lb	18.1/22.0	18.1/22.0	29.1/37.0	29.1/37.0
Design pressure		psig	550/340	550/340	550/340	550/340
Refrigerant piping	Liquid side/ Gas side	in	1/4" / 3/8"	1/4" / 1/2"	1/4" / 1/2"	3/8" / 5/8"
	Max. refrigerant pipe length	ft	82	82	98	164
	Max. difference in level	ft	33	33	66	82
Control type			Remote Control	Remote Control	Remote Control	Remote Control
Rooom Temperature	Cooling	°F	62～90	62～90	62～90	62～90
	Heating	°F	32～86	32～86	32～86	32～86
Operation temperature		°F	62～86	62～86	62～86	62～86

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.
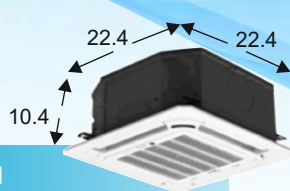1 - Minimum 10 ft line set recommended.
2 - Outdoor unit being elevated than the indoor unit oil trap should be installed every 17 ft to 23 ft (5 to 7 m)
3 - Factory installed only, not field option. Units may operate in heating and cooling mode until the ambient conditions reach 5º F
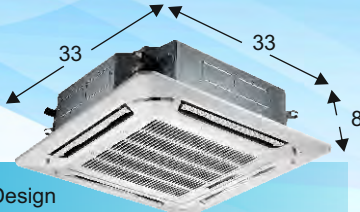
MULTI ZONE UP TO 5
INVERTER FLEX MATCH

KTIR

Klimaire®

Compact Design

22.4 · 22.4 · 10.4

33 · 33 · 8

Slim Design

Compact Cassettes 9, 12 & 18,000 Btu

Slim Cassette 24,000 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
- Powerful turbo fan operation
- Fresh air intake design 2.5" Φ
- Flexible installation with built-in drain pump
- 6" supply duct connection to an adjacent room
- Self diagnosis for easy maintenance

Easy Installation

22.4" · 22.4"

Anti-Cold-Air

Auto restart

Follow me function

Temperature compensation switch (KTIR)

Sleep mode
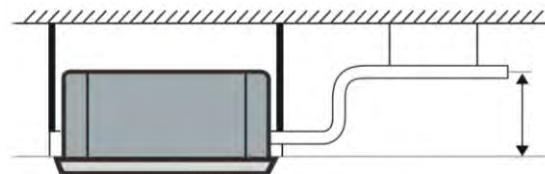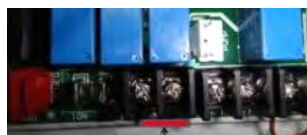
5° low ambient heating/cooling

Auto swing louver with 360º air distribution

46º 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

Klimaire Model Number			KTIR09-H2	KTIR12-H2	KTIR18-H2	KTIR24-H2
Power supply		V-ph-Hz	208-230~1-60	208-230~1-60	208-230~1-60	208-230~1-60
Capacity	Cooling	Btu/h	9000	12000	18000	24000
	Heating @ 47ºF	Btu/h	10000	12000	18000	24400
Indoor fan motor	Power input	W	45	45	45	58
	RLA	A	0,9	1,0	1,5	2
	Speed (Hi)	rpm	600/520/460	680/580/500	730/630/570	600/520/450
Indoor air flow (Hi/Mid/Lo)		cfm	374/301/257	379/309/261	560483/415	700/636/573
Indoor noise level (Hi/Mid/Lo)		dB(A)	41/37/33	43/39/36	44/39/36	51/47/43
Indoor unit	Dimension (WxDxH) (body)	in	22.44x22.44x10.24	22.44x22.44x10.24	22.44x22.44x10.24	33.07x33.07x8.07
	Packing (WxDxH) (body)	in	25.79x25.79x11.42	25.79x25.79x11.42	25.79x25.79x11.42	35.43x35.43x8.54
	Dimension (WxDxH) (panel)	in	25.47x25.47x1.97	25.47x25.47x1.97	25.47x25.47x1.97	37.4x37.4x2.17
	Packing (WxDxH) (panel)	in	28.15x28.15x4.84	28.15x28.15x4.84	28.15x28.15x4.84	40.75x40.75x3.54
	Net/Gross weight (body)	lb	31.97/38.14	35.27/41	35.49/41.23	46.3/54.23
	Net/Gross weight (panel)	lb	5.51/9.92	5.51/9.92	5.51/9.92	11.02/17.64
Design pressure		psig	540/300 PSIG	540/300 PSIG	550/340 PSIG	550/340 PSIG
Drainage water pipe diameter		in	OD Φ1"	OD Φ1"	OD Φ1"	ODΦ 1" 1/4
Refrigerant piping	Liquid side/Gas side (Flare)	in	1/4" / 3/8"	1/4" / 1/2"	1/4" / 1/2"	3/8" / 5/8"
Control type			Remote control	Remote control	Remote control	Remote control
Room temperature	Cooling	ºF	62~90	62~90	62~90	62~90
	Heating	ºF	32~86	32~86	32~86	32~86
Operation temperature		ºF	62~86	62~86	62~86	62~86

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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 5º F
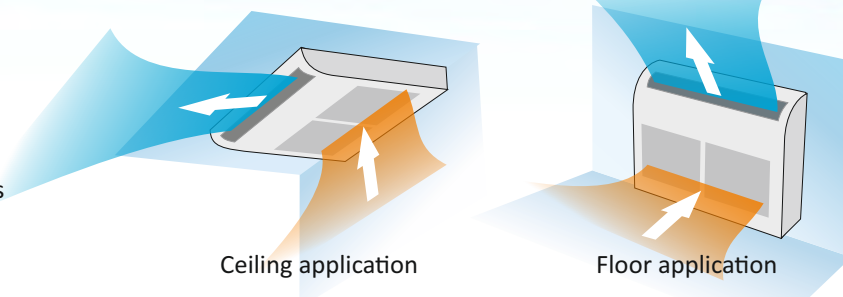
KUIR
Floor-Ceiling Mounted

Floor - Ceiling Mounted 12, 19 & 24,000 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.

Ceiling application

Floor application

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

Fresh air outdoor

Indoor
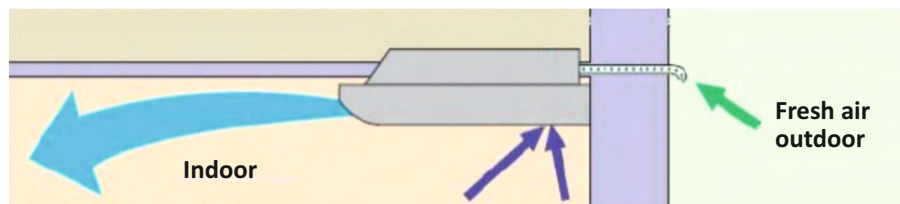
Anti-Cold-Air (Heat Pump Only)

Turbo mode

Follow me function

5° low ambient heating/cooling

Auto restart

Sleep mode

46º F Home away winter vacation
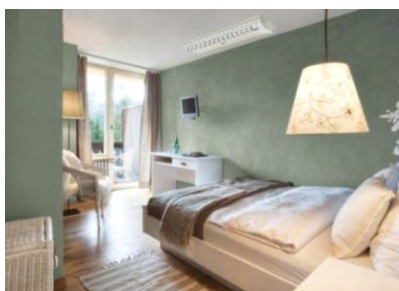
KUIR Series Floor-Ceiling Fan coil Unit			KUIR18-H2	KUIR24-H2
Power supply		V-ph-Hz	208-230~1-60	208~230-1-60
Capacity	Cooling	Btu/h	18000	24000
	Heating @ 47° F	Btu/h	18000	24000
Indoor fan motor	Power Input	W	55	55
	RLA	A	1,5	2
	Speed(Hi/Med/Lo)	rpm	950/850/750	1350/1260/1120
Indoor unit	Air flow (Hi/Med/Lo)	cfm	578/521/465	759/708/598
	Noise level (Hi/Med/Lo)	dB(A)	47/44/39	53/48/42
	Dimension (WxDxH)	in	42.05x26.57x9.25	42.05x26.57x9.25
	Packing (WxDxH)	in	45.08x29.72x12.32	45.08x29.72x12.32
	Net/Gross weight	lb	55.12/65.48	58.42/69.23
Design pressure		psig	550 /340	550 /340
Drainage water pipe diameter		in	OD Φ 1	OD Φ 1
Refrigerant piping	Liquid side/Gas side	in	1/4" / 1/2"	3/8" / 5/8"
Controller			Remote control	Remote control
Room temperature	Cooling	°F	62 ~ 90	62 ~ 90
	Heating	°F	32 ~ 86	32 ~ 86
Operation temperature		°F	62~86	62~86

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 5º F

KFIM

Console Fan Coil 12 & 18,000 Btu

Klimaire KFIM console fan coils are designed and engineered to provide with its innovative style years of reliable operation, energy-efficient, and unmatched comfort, and many years of trouble-free performance.

- Wide angle air flow
- Quiet and fashion design
- Air inlet from 4 direction, and two optional air outlet ways
- Low noise, energy saving.
- Sleep mode
- 12,000 Btu & 18,000 Btu models are available

Anti-Cold-Air (Heat Pump Only)

Turbo mode

Auto restart

Sleep mode

5° low ambient heating/cooling

KFIM Series Console Fan Coil Unit			KFIM012	KFIM018
Capacity	Cooling	Btu/h	12.000	18.000
	Heating	Btu/h	14.000	20.000
Performance	Air Flow Volume	cfm	265	371
	Noise Level - dB(A)	Hi/Med/Lo	37/23/28	45/42/35
Dimensions & Weight	Unit Dimension - W*H*D	in	27"-9/16 x 23"-5/8 x 8"-1/4	27"-9/16 x 23"-5/8 x 8"-1/4
	Packing Dimension - W*H*D	in	31"7/8 x 27"-15/16 x 12"	31"7/8 x 27"-15/16 x 12"
	Net/Gross Weight	lb	33 / 44	33 / 44
	Liquid Pipe Size	in	1/4"	1/4"
	Gas Pipe Size	in	1/2"	1/2"

Universal Control
KSIE / KTIR / KUIR

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.
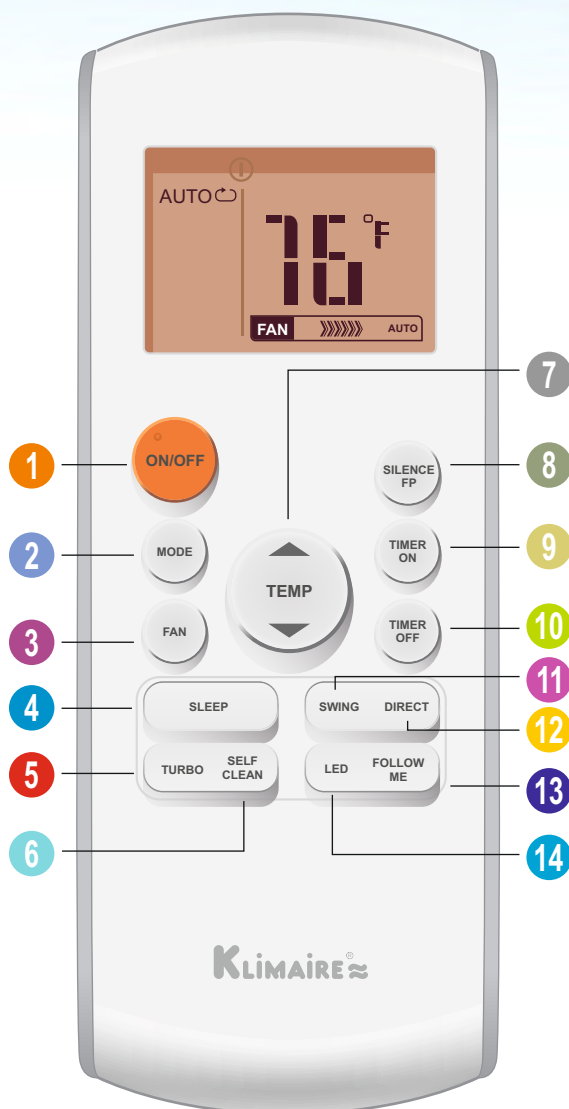
○ UP Button (▲)
Push this button to increase the indoor temperature setting in 1F increments to 86ºF.

DOWN Button (▼)
Push this button to decrease the indoor temperature setting in 1F increments to 62ºF.
NOTE: Temperature contol 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 ºC & ºF scale.

⑧ 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 creat 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.

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 10.0, 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.

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 10.0, 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

⑪ SWING Button
Used to stop or start horizontal louver auto swing feature.

⑫ 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.

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.

KLIMAIRE®

MULTI ZONE UP TO 5
INVERTER FLEX MATCH

KDIP / KDIR
Convenient Installation
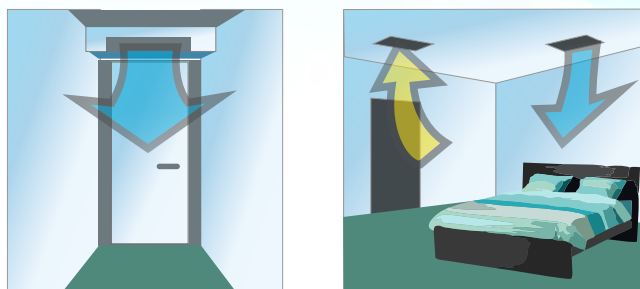
Slim Ceiling Recessed Ducted 9, 12, 18 & 24,000 Btu

The slim duct hide-away low profile fan coil unit ca 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

Standard Features
- Insulated cabinet ,quite operation with a touch of compact design
- Static pressure fan switch for various duct designs

Slim Duct

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

8.3" unit height, 9/12/18k units

Ideal for cooling several nearby zones

- **46º F Home away winter vacation**
- **Wired controlled**
- **Static presure fan speed switch**
- **Anti-Cold-Air**
- **Sleep mode**
- **2-way draining connection**
- **Auto restart**
- **Follow me**
- **Low ambient heating/cooling**

Klimaire Model Number			KDIP09-H2	KDIP12-H2	KDIP18-H2	KDIP24-H2
Power supply		V-ph-Hz	208-230~1-60	208-230~1-60	208-230~1-60	208-230~1-60
Capacity	Cooling	Btu/h	9000	12000	18000	24000
	Heating @ 47 ºF	Btu/h	10000	12000	18000	24400
Indoor fan motor	Input	W	100	100	96	96
	RLA	A	0,9	1	1,5	2
	Speed	rpm	1010/890/780	1100/960/830	1090/950/860	1020/840/750
Indoor air flow (Hi/Med/Lo) (No duct)		cfm	335/290/240	370/320/260	520/430/360	820/620/520
ESP	Range	Pa	0-45	0-45	0-70	0-100
	Range	Pa	0-0.18	0-0.18	0-0.28	0-0.40
Indoor noise level (Hi/Med/Lo)		dB(A)	38/35/31	44/37/31	41/39/37	53/48/43
Indoor unit	Dimension (WxDxH)	in	27.56x25x8.27	27.56x25x8.27	36.22x25x8.27	36.22x25x10.63
	Packing(WxDxH)	in	36.02x25.79x11.42	36.02x25.79x11.42	44.68x25.79x11.42	45.28x25.79x13.78
	Net/Gross weight	lb	39.90/50.27	42.11/51.59	50.71/60.63	57.32/68.34
Design pressure		psig	550/340	550/340	550/340	550/340
Drainage water pipe diameter		in	OD Φ1"	OD Φ1"	OD Φ1"	OD Φ1"
Refrigerant piping connection	Liquid side/Gas side Flare	in	1/4" / 3/8"	1/4" / 1/2"	Φ6.35/Φ12.7(1/4"/1/2")	3/8" / 5/8"
Controller			Wired control	Wired control	Wired control	Wired control
Room temperature	Cooling	ºF	62~90	62~90	62~90	62~90
	Heating	ºF	32~86	32~86	32~86	32~86
Operation temperature		ºF	62~86	62~86	62~86	62~86

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 5º F

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.

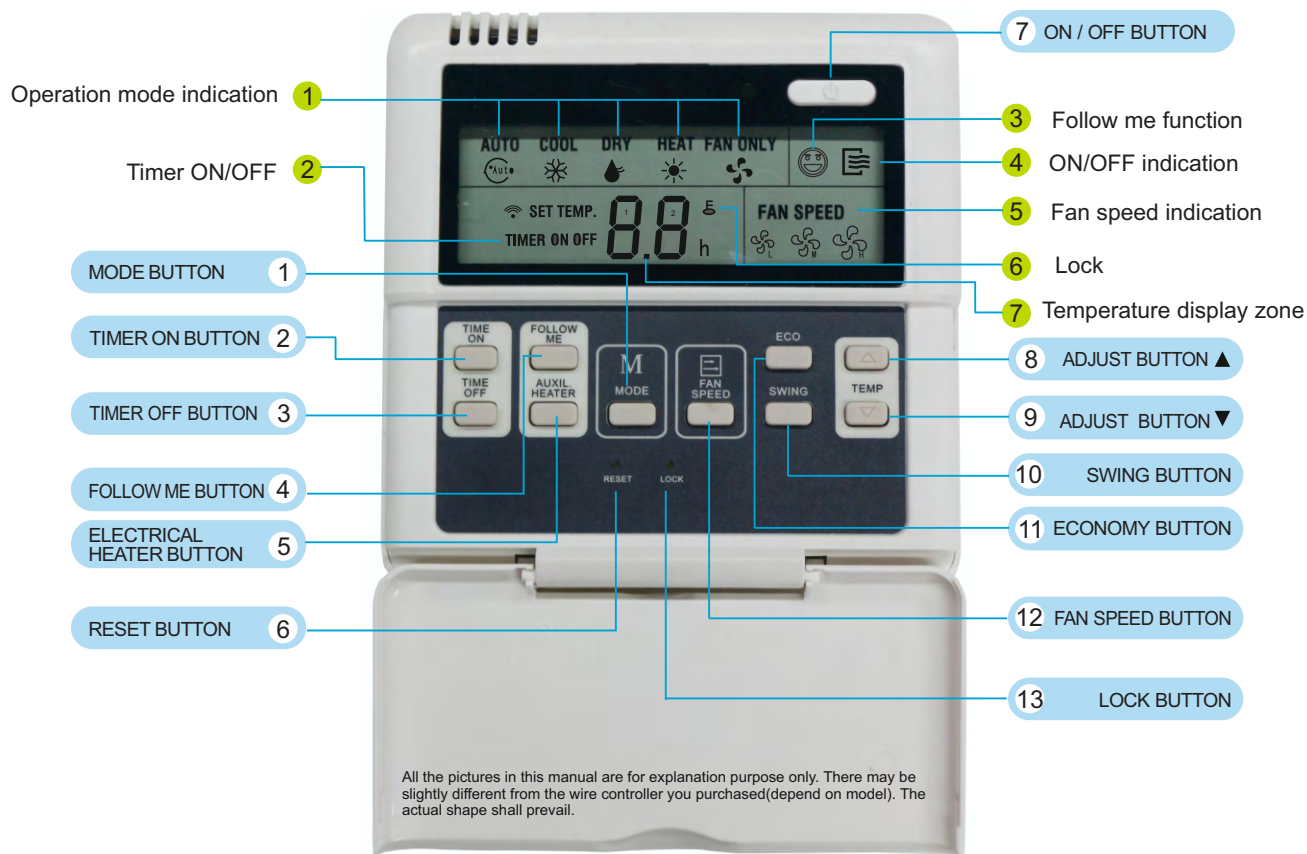**5** Fan speed indication :
There are four fan modes : low, middle,

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.

Operation mode indication **1**

Timer ON/OFF **2**

MODE BUTTON **1**

TIMER ON BUTTON **2**

TIMER OFF BUTTON **3**

FOLLOW ME BUTTON **4**

ELECTRICAL HEATER BUTTON **5**

RESET BUTTON **6**

7 ON / OFF BUTTON

3 Follow me function

4 ON/OFF indication

5 Fan speed indication

6 Lock

7 Temperature display zone

8 ADJUST BUTTON ▲

9 ADJUST BUTTON ▼

10 SWING BUTTON

11 ECONOMY BUTTON

12 FAN SPEED BUTTON

13 LOCK BUTTON

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 botton:
When press this botton,the operation mode change as the following sequence:
$$\rightarrow AUTO \rightarrow COOL \rightarrow DRY \rightarrow HEAT \rightarrow FAN$$
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 concel 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.
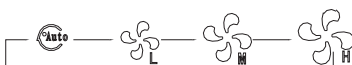
10 Swing button:
Used to set the airflow direction. Hold down this button for 2 seconds to activate auto swing feature.

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 OPERA-TION

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 concel timer, change timer time to 0.0.

KDIP / KDIR Remote Control

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 (⌄)
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.
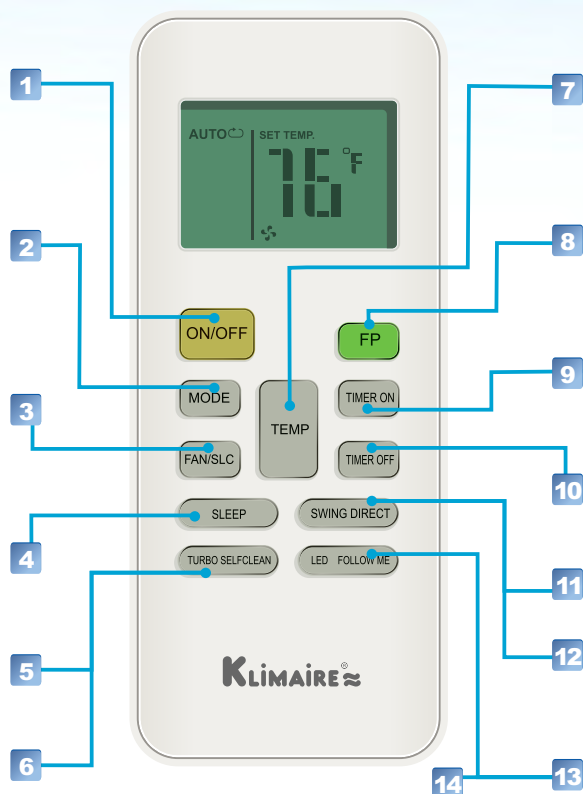• Push this button when remote controller is on, the system will automatically revert back to the previous settings including operating mode, setting temperature, fan speed level and sleep feature (if activated). And transmit the signals .to the unit.
• If push this button when remote controller is off, 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 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.

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.)

KMIR - KSIE Technical Specifications

Klimaire Outdoor Unit Model Number			KMIR218-H221	KMIR327-H217	KMIR436-H217	KMIR545-H219
Klimaire Indoor Unit Model Number			KSIE009-H221-I x 2	KSIE009-H221-I x 3	KSIE009-H221-I x 4	KSIE009-H221-I x 5
SYSTEM Power supply		V-ph-Hz	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60
Cooling	Capacity	Btu/h	17000	27000	36000	48000
	EER	Btu	12,5	12,0	10,9	11,6
	SEER		21.3	22,0	22,5	21,5
Heating @ 47ºF	Capacity	Btu/h	18000	28000	36000	48000
	COP		3,7	3,7	3,1	3,4
	HSPF4		10	9,8	10,3	10,4
Heating @ 17ºF	Rated capacity	Btu/h	11800	16800	25400	30800
Heating @ 5ºF	Maximum capactiy	Btu/h	14200	20900	28800	35800

Klimaire Outdoor Unit Model Number			KMIR218-H221	KMIR327-H217	KMIR436-H217	KMIR545-H219
Max. Fuse Size		A	25	35	45	50
Compressor	Type		Rotary	Rotary	Rotary	Twin-Rotary
	Capacity	Btu/h	15388	24345	32380	38214
	Power Input	W	1170	1970	2600	3040
	Rated current (RLA)	A	10	20,00	22,00	21,00
	Refrigerant oil / Oil charge	pint	VG74 / 1.06	POE(VG74) / 1.42	PQE(VG74) / 2.1	Ester Oil VG74 / 2.96
Outdoor Fan motor	Power Input	W	115	150	150	126
	RLA	A	0,74	0,9	1,3	0,39
	Speed	rpm	150/200/250/300/350/450/550/650/800/850	150/200/250/300/400/500/600/750/900/1000	150/200/250/300/400/500/600/750/900/1000	150/200/250/300/400/500/600/700/800/870
Outdoor air flow		cfm	1390	2130	2130	4500
Outdoor noise level		dB(A)	62,4	63,4	62,3	64
Outdoor unit	Dimension(W*D*H)	in	33.27x14.29x27.64	37.24x16.14x31.89	37.24x16.14x31.89	37.48x16.34x52.48
	Packing (W*D*H)	in	37.99x15.55x29.72	42.91x19.69x34.45	42.91x19.69x34.45	43.11x19.49x58.27
	Net/Gross weight	lb	105.82/114.64	149.91/160.94	156.53/167.55	223.77/255.07
Refrigerant type		oz	R410A / 70.5	R410A / 98.8	R410A / 105.8	R410A / 162.3
Refrigerant precharge (Total pipe length)		ft	25	25	25	25
Additional charge for each ft		oz	0,161	0,161	0,161	0,32
Design pressure		psig	550/340	550/340	550/340	550/340
Refrigerant piping	Liquid side / Gas side	in	2 x (1/4"/3/8")	3 x (1/4"/3/8")	4x1/4" / (3x3/8"+1x1/2")	5x1/4" / 3x3/8" + 2x1/2"
	Max. length for all rooms	ft	98	148	197	246
	Max. length for one indoor unit	ft	66	82	98	98
	Max. height difference — OU higher than IU	ft	49	49	49	49
	Max. height difference — OU lower than IU	ft	49	49	49	49
	Max. height difference between I.U.s	ft	33	33	33	33
Connection wiring			No	No	No	No
Ambient temperature	Cooling		-13~122	-13~122	-13~122	-13~122
	Heating		-13~86	-13~86	-13~86	-13~86

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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 5º F

OUTDOOR UNIT PRODUCT CODE

K M I R 2 18 – H 2 21 A

Brand
K: Klimaire

Model
M: Multizone
S: Multizone S Generation

Unit Type
I : Inverter

Product Series

Max. Number of Fan Coils
2, 3, 4, 5

Simultaneous Cooling Nominal Capacity
Total
18,000 Btu/h
27,000 Btu/h
36,000 Btu/h
45,000 Btu/h

Operational Information
H: Heat Pump

Power Supply
2 : 208-230 / 1 / 60

Efficiency
SEER

Minor design change

MULTIZONE INDOOR UNIT PRODUCT CODE

K S I E 012 – H 2 20 I

Brand
K: Klimaire

Model
S: Universal Wall Mout

Unit Type
I : Inverter

Product Series
E: Series

Nominal Capacity
09 : 9,000 Btu/h
12 : 12,000 Btu/h
18 : 18,000 Btu/h
24 : 24,000 Btu/h

Operational Information
H: Heat Pump

Power Supply
2 : 208-230 / 1 / 60

Efficiency
SEER

Unit Type
I: Indoor

KDIP - KDIR Technical Specifications

Klimaire Outdoor Unit Model Number			KMIR218-H221	KMIR327-H217	KMIR436-H217	KMIR545-H219
Klimaire Indoor Unit Model Number			KDIP09-H2 x 2	KDIP09-H2 x 3	KDIP09-H2 x 4	KDIP09-H2 x 5
SYSTEM	Power supply	V-ph-Hz	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60
	Cooling — Capacity	Btu/h	18000	27000	36000	48000
	Cooling — EER	Btu	11,8	11	10	10,1
	Cooling — SEER		18,4	18,5	17,9	17,6
	Heating @ 47°F — Capacity	Btu/h	18500	27000	36000	50000
	Heating @ 47°F — COP		3,8	3,5	3,2	3,4
	Heating @ 47°F — HSPF4		9,4	9	9,7	10,1
	Heating @ 17°F — Rated capacity	Btu/h	11400	16200	22800	33000
	Heating @ 5°F — Maximum capactiy	Btu/h	14400	21000	28400	36800

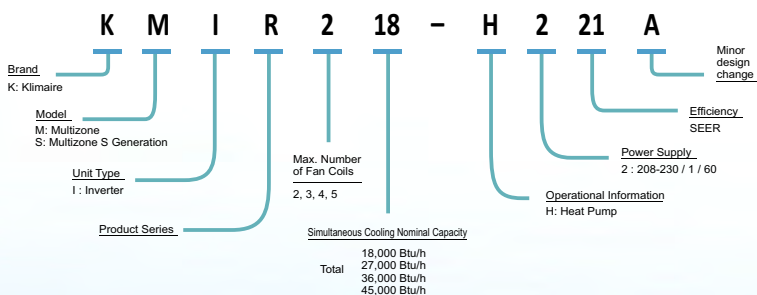| Klimaire Outdoor Unit Model Number			KMIR218-H221	KMIR327-H217	KMIR436-H217	KMIR545-H219
OUTDOOR UNIT	Minimum Circuit Ampacity	A	18	25	30	35
	Max. Fuse Size	A	25	35	45	50
	Compressor — Type		Rotary	Rotary	Rotary	Twin-Rotary
	Compressor — Capacity	Btu/h	15388	24345	32380	38214
	Compressor — Input	W	1170	1970	2600	3040
	Compressor — Rated current (RLA)	A	10	20	22	21
	Compressor — Refrigerant oil / oil charge	pint	VG74 / 1.06	POE(VG74) / 1.42	PQE(VG74) / 2.11	Ester Oil VG74 / 2.96
	Outdoor fan motor — Input	W	115	150	150	126
	Outdoor fan motor — RLA	A	0,74	0,9	1,3	0,39
	Outdoor fan motor — Speed	rpm	150/200/250/300/350/450/550/650/800/850	150/200/250/300/400/500/600/750/900/1000	150/200/250/300/400/500/600/750/900/1000	150/200/250/300/400/500/600/700/800/870
	Outdoor air flow	cfm	1390	2130	2130	4500
	Outdoor noise level	dB(A)	62,4	63,4	62,3	64
	Outdoor unit — Dimension(W*D*H)	in	33.27x14.29x27.64	37.24x16.14x31.89	37.24x16.14x31.89	37.48x16.34x52.48
	Outdoor unit — Packing (W*D*H)	in	37.99x15.55x29.72	42.91x19.69x34.45	42.91x19.69x34.06	43.11x19.49x58.27
	Outdoor unit — Net/Gross weight	lb	105.82/114.64	149.91/160.94	156.53/167.55	223.77/255.07
	Refrigerant type	oz	R410A/70.5	R410A/98.8	R410A/105.8	R410A/162.3
	Refrigerant precharge (Total pipe length)	ft	25	25	25	25
	Additional charge per ft	oz	0,161	0,161	0,161	0,32
	Design pressure	psig	550/340	550/340	550/340	550/340
	Refrigerant piping — Liquid side/ Gas side	in	2 x 1/4" / 3/8"	3 x 1/4" / 3/8"	4 x 1/4" / (3x3/8" + 1x1/2")	5 x 1/4" / (3x3/8" + 2x1/2")
	Refrigerant piping — Max. length for all rooms	ft	98	148	197	246
	Refrigerant piping — Max. length for one indoor unit	ft	66	82	98	98
	Max. height difference — OU higher than IU	ft	49	49	49	49
	Max. height difference — OU lower than IU	ft	49	49	49	49
	Max. height difference between I.U.s	ft	33	33	33	33
	Connection wiring	AWG	16 X 4	NO	NO	NO
	Ambient temperature — Cooling		-13~122	-13~122	-13~122	-13~122
	Ambient temperature — Heating		-13~86	-13~86	-13~86	-13~86

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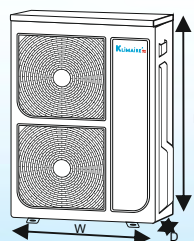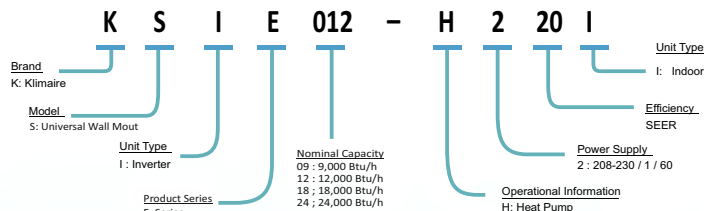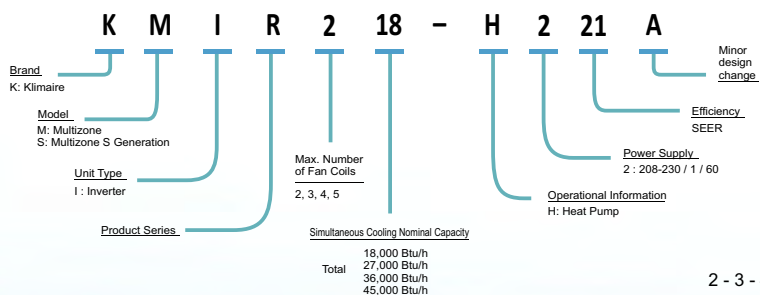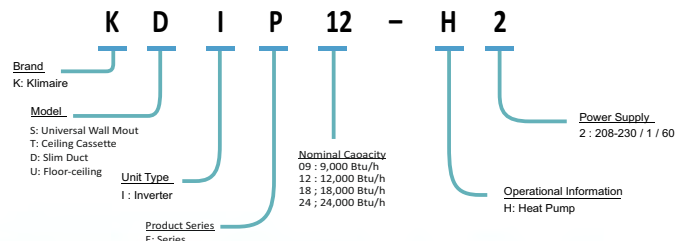1 - Minimum 10 ft line set recommended.
2 - Outdoor unit being elevated than the indoor unit oil trap should be installed every 17 ft to 23 ft (5 to 7 m)
3 - Factory installed only, not field option. Units may operate in heating and cooling mode until the ambient conditions reach 5° F

OUTDOOR UNIT PRODUCT CODE

K M I R 2 18 – H 2 21 A

- Brand — K: Klimaire
- Model — M: Multizone / S: Multizone S Generation
- Unit Type — I : Inverter
- Product Series
- Max. Number of Fan Coils — 2, 3, 4, 5
- Simultaneous Cooling Nominal Capacity — Total: 18,000 Btu/h / 27,000 Btu/h / 36,000 Btu/h / 45,000 Btu/h
- Operational Information — H: Heat Pump
- Power Supply — 2: 208-230 / 1 / 60
- Efficiency — SEER
- Minor design change

MULTIZONE INDOOR UNIT PRODUCT CODE

K D I P 12 – H 2

- Brand — K: Klimaire
- Model — S: Universal Wall Mout / T: Ceiling Cassette / D: Slim Duct / U: Floor-ceiling
- Unit Type — I : Inverter
- Product Series — E: Series
- Nominal Capacity — 09 : 9,000 Btu/h / 12 : 12,000 Btu/h / 18 : 18,000 Btu/h / 24 : 24,000 Btu/h
- Operational Information — H: Heat Pump
- Power Supply — 2 : 208-230 / 1 / 60

2 - 3 - 4 Zones

5 Zones

KMIR - KTIR Cassette Technical Specifications

Klimaire Outdoor Unit Model Number Klimaire Indoor Unit Model Number			KMIR218-H221 KTIR09-H2 x 2	KMIR327-H217 KTIR09-H2 x 3	KMIR436-H217 KTIR09-H2 x 4	KMIR545-H219 KTIR09-H2 x 5
Power supply		V-ph-Hz	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60
Cooling	Capacity	Btu/h	18000	27000	36000	48000
	EER	Btu	11,5	10,8	10,1	10,3
	SEER		18,0	18,3	17,7	17,5
Heating @ 47ºF	Capacity	Btu/h	19000	25900	37800	50250
	COP		3,6	3,4	3,1	3,5
	HSPF4		9,5	9,1	9,6	10,0
Heating @ 17ºF	Rated capacity	Btu/h	11700	15950	23300	31900
Heating @ 5ºF	Maximum capactiy	Btu/h	14800	20200	28400	39290

(SYSTEM)

Klimaire Outdoor Unit Model Number			KMIR218-H221	KMIR327-H217	KMIR436-H217	KMIR545-H219
Minimum Circuit Ampacity		A	18	25	30	35
Max. Fuse Size		A	25	35	45	50
Compressor	Type		Rotary	Rotary	Rotary	Twin-Rotary
	Capacity	Btu/h	15388	24345	32380	38214
	Input	W	1170	1970	2600	3040
	Rated current (RLA)	A	10	20	22	21
	Refrigerant oil / oil charge	pint	VG74 / 1.06	POE(VG74) / 1.42	PQE(VG74) / 2.11	Ester Oil VG74 / 2.96
Outdoor fan motor	Input	W	115	150	150	126
	RLA	A	0,74	0,9	1,3	0,39
	Speed	rpm	150/200/250/300/350/450/ 550/650/800/850	150/200/250/300/400/500/ 600/750/900/1000	150/200/250/300/400/500/ 600/750/900/1000	150/200/250/300/400/500 /600/700/800/870
Outdoor air flow		cfm	1390	2130	2130	4500
Outdoor noise level		dB(A)	62,4	63,4	62,3	64
Outdoor unit	Dimension(W*D*H)	in	33.27x14.29x27.64	37.24x16.14x31.89	37.24x16.14x31.89	37.48x16.34x52.48
	Packing (W*D*H)	in	37.99x15.55x29.72	42.91x19.69x34.45	42.91x19.69x34.06	43.11x19.49x58.27
	Net/Gross weight	lb	105.82/114.64	149.91/160.94	156.53/167.55	223.77/255.07
Refrigerant type		oz	R410A/70.5	R410A/98.8	R410A/105.8	R410A/162.3
Refrigerant precharge (Total pipe length)		ft	25	25	25	25
Additional charge per ft		oz	0,161	0,161	0,161	0,32
Design pressure		psig	550/340	550/340	550/340	550/340
Refrigerant piping	Liquid side/ Gas side	in	2 x 1/4" / 3/8"	3 x 1/4" / 3/8"	4 x 1/4" / (3x3/8" + 1x1/2")	5 x 1/4" / (3x3/8" + 2x1/2")
	Max. length for all rooms	ft	98	148	197	246
	Max. length for one indoor unit	ft	66	82	98	98
	Max. height difference	OU higher than IU	ft	49	49	49	49
		OU lower than IU	49	49	49	49
	Max. height difference between I.U.s	ft	33	33	33	33
Connection wiring		AWG	16 X 4	NO	NO	NO
Ambient temperature	Cooling		-13~122	-13~122	-13~122	-13~122
	Heating		-13~86	-13~86	-13~86	-13~86

(OUTDOOR UNIT)

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 5º F
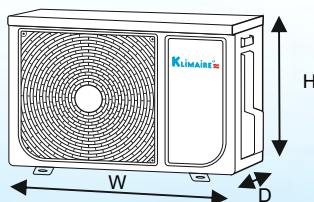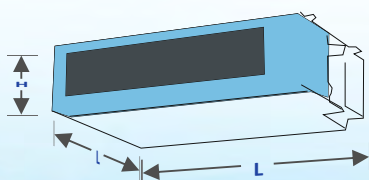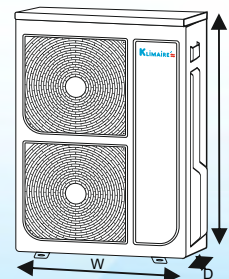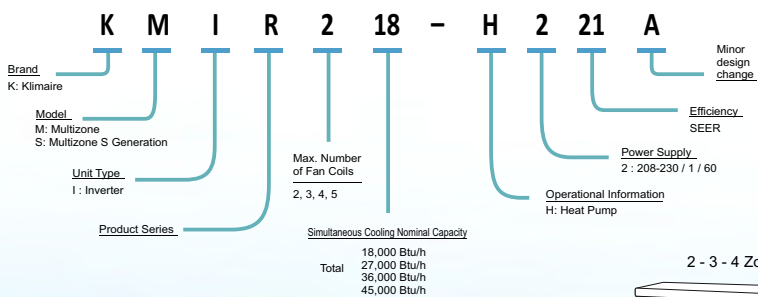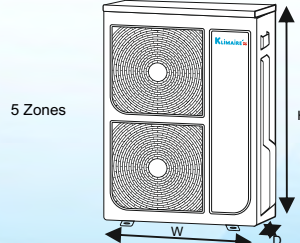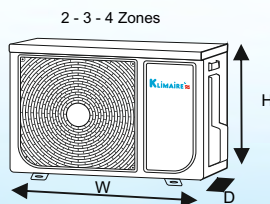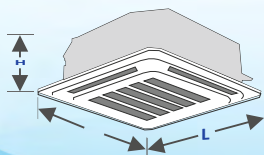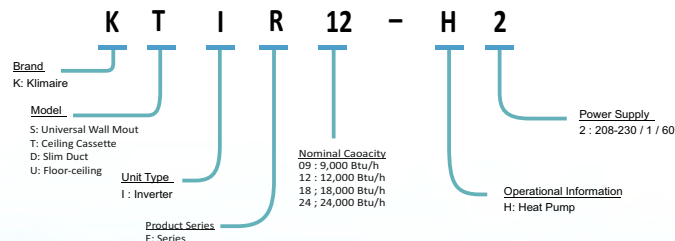
OUTDOOR UNIT PRODUCT CODE

K M I R 2 18 – H 2 21 A

Brand
K: Klimaire

Model
M: Multizone
S: Multizone S Generation

Unit Type
I : Inverter

Product Series

Max. Number
of Fan Coils
2, 3, 4, 5

Simultaneous Cooling Nominal Capacity
Total   18,000 Btu/h
27,000 Btu/h
36,000 Btu/h
45,000 Btu/h

Operational Information
H: Heat Pump

Power Supply
2 : 208-230 / 1 / 60

Efficiency
SEER

Minor design change

MULTIZONE INDOOR UNIT PRODUCT CODE

K T I R 12 – H 2

Brand
K: Klimaire

Model
S: Universal Wall Mout
T: Ceiling Cassette
D: Slim Duct
U: Floor-ceiling

Unit Type
I : Inverter

Product Series
E: Series

Nominal Caoacity
09 : 9,000 Btu/h
12 : 12,000 Btu/h
18 ; 18,000 Btu/h
24 ; 24,000 Btu/h

Operational Information
H: Heat Pump

Power Supply
2 : 208-230 / 1 / 60

2 - 3 - 4 Zones

5 Zones

KMIR - KUIR Floor - Ceiling Technical Specifications

Klimaire Outdoor Unit Model Number			KMIR218-H221	KMIR327-H217	KMIR436-H217	KMIR545-H219
Klimaire Indoor Unit Model Number			KUIR009-H2 x 2	KUIR09-H2 x 3	KUIR09-H2 x 4	KUIR09-H2 x 5
SYSTEM Power supply		V-ph-Hz	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60
Cooling	Capacity	Btu/h	17000	27000	36000	48000
	EER	Btu	12,5	12,0	10,9	11,6
	SEER		20	20	20	20
Heating @ 47ºF	Capacity	Btu/h	18000	28000	36000	48000
	COP		3,7	3,7	3,1	3,4
	HSPF4		10	9,8	10,3	10,4
Heating @ 17ºF	Rated capacity	Btu/h	11800	16800	25400	30800
Heating @ 5ºF	Maximum capactiy	Btu/h	14200	20900	28800	35800

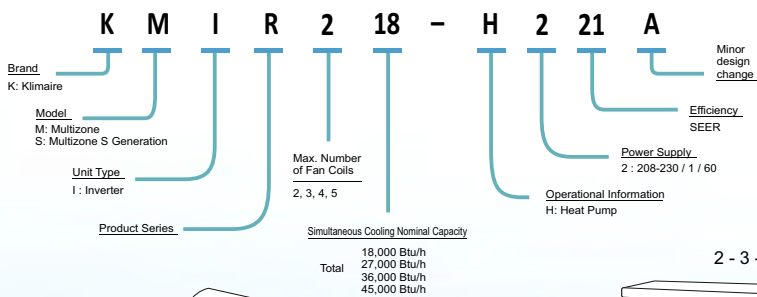| Klimaire Outdoor Unit Model Number				KMIR218-H221	KMIR327-H217	KMIR436-H217	KMIR545-H219
Minimum Circuit Ampacity			A	18	25	30	35
Max. Fuse Size			A	25	35	45	50
Compressor	Type			Rotary	Rotary	Rotary	Twin-Rotary
	Capacity		Btu/h	15388	24345	32380	38214
	Input		W	1170	1970	2600	3040
	Rated current (RLA)		A	10	20	22	21
	Refrigerant oil / oil charge		pint	VG74 / 1.06	POE(VG74) / 1.42	PQE(VG74) / 2.11	Ester Oil VG74 / 2.96
Outdoor fan motor	Input		W	115	150	150	126
	RLA		A	0,74	0,9	1,3	0,39
	Speed		rpm	150/200/250/300/350/450/550/650/800/850	150/200/250/300/400/500/600/750/900/1000	150/200/250/300/400/500/600/750/900/1000	150/200/250/300/400/500/600/700/800/870
Outdoor air flow			cfm	1390	2130	2130	4500
Outdoor noise level			dB(A)	62,4	63,4	62,3	64
Outdoor unit	Dimension(W*D*H)		in	33.27x14.29x27.64	37.24x16.14x31.89	37.24x16.14x31.89	37.48x16.34x52.48
	Packing (W*D*H)		in	37.99x15.55x29.72	42.91x19.69x34.45	42.91x19.69x34.06	43.11x19.49x58.27
	Net/Gross weight		lb	105.82/114.64	149.91/160.94	156.53/167.55	223.77/255.07
Refrigerant type			oz	R410A/70.5	R410A/98.8	R410A/105.8	R410A/162.3
Refrigerant precharge (Total pipe length)			ft	25	25	25	25
Additional charge per ft			oz	0,161	0,161	0,161	0,32
Design pressure			psig	550/340	550/340	550/340	550/340
Refrigerant piping	Liquid side/ Gas side		in	2 x 1/4" / 3/8"	3 x 1/4" / 3/8"	4 x 1/4" / (3x3/8" + 1x1/2")	5 x 1/4" / (3x3/8" + 2x1/2")
	Max. length for all rooms		ft	98	148	197	246
	Max. length for one indoor unit		ft	66	82	98	98
	Max. height difference	OU higher than IU	ft	49	49	49	49
		OU lower than IU	ft	49	49	49	49
	Max. height difference between I.U.s		ft	33	33	33	33
Connection wiring			AWG	16 X 4	NO	NO	NO
Ambient temperature	Cooling			-13~122	-13~122	-13~122	-13~122
	Heating			-13~86	-13~86	-13~86	-13~86

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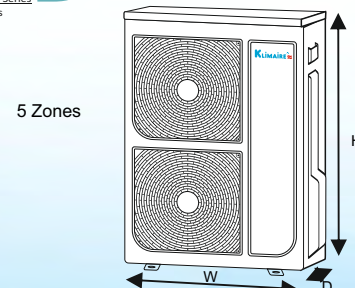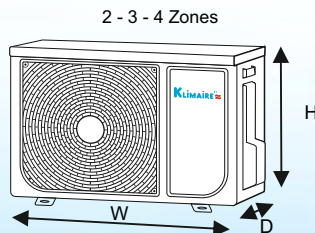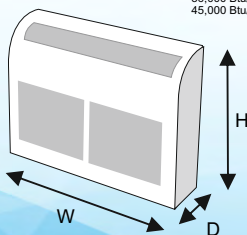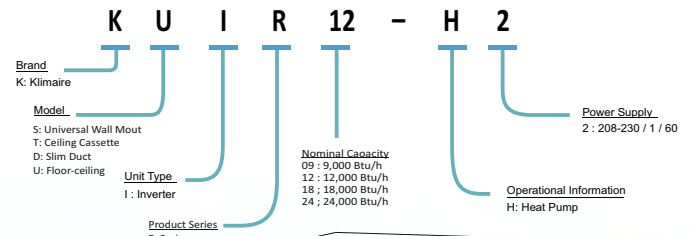1 - Minimum 10 ft line set recommended.
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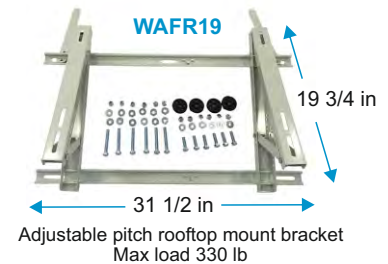
OUTDOOR UNIT PRODUCT CODE

K M I R 2 18 – H 2 21 A

Brand
K: Klimaire

Model
M: Multizone
S: Multizone S Generation

Unit Type
I : Inverter

Product Series

Max. Number of Fan Coils
2, 3, 4, 5

Simultaneous Cooling Nominal Capacity
Total   18,000 Btu/h
         27,000 Btu/h
         36,000 Btu/h
         45,000 Btu/h

Operational Information
H: Heat Pump

Power Supply
2 : 208-230 / 1 / 60

Efficiency
SEER

Minor design change

MULTIZONE INDOOR UNIT PRODUCT CODE

K U I R 12 – H 2

Brand
K: Klimaire

Model
S: Universal Wall Mout
T: Ceiling Cassette
D: Slim Duct
U: Floor-ceiling

Unit Type
I : Inverter

Product Series
E: Series

Nominal Capacity
09 : 9,000 Btu/h
12 : 12,000 Btu/h
18 : 18,000 Btu/h
24 : 24,000 Btu/h

Operational Information
H: Heat Pump

Power Supply
2 : 208-230 / 1 / 60

2 - 3 - 4 Zones

5 Zones

Accessories

Brackets

WAFP24

18 5/16 in

24 in

Heavy duty universal wall mount bracket
Max load 396 lb

WAFB21

18 5/16 in

21 7/8 in

Adjustable width crossbar universal wall mount bracket
Max load 330 lb

WAFR19

19 3/4 in

31 1/2 in

Adjustable pitch rooftop mount bracket
Max load 330 lb

Drain Kit Minipump

Ultra slim
High performance
Plug & play
Anti siphon device
12L/h max. flow
10m max. rec. head
(flow rate 6L/h)
21dB(A)
Up to 16kW / 54,000Btu/h

MAFP2406-2	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 & 18 k Fan coils
IKM1412F25-C26	1/4" liquid x 1/2" suction - 25' length	12k & 18 k Fan coils
IKM1412F35-C36	1/4" liquid x 1/2" suction - 35' length	12k & 18 k Fan coils
IKM3858F16-C17	3/8 liquid x 5/8" suction -15' length	24k Fan coils
IKM3858F25-C26	3/8 liquid x 5/8" suction -25' length	24k Fan coils
IKM3858F50-C51	3/8 liquid x 5/8" suction -50' length	24k Fan coils

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

2190 NW 89 Place
Doral, FL 33172 – USA
Tel: (305)594-4972 - Fax (305) 675-2212
www.klimaire.com - sales@klimaire.com

5 Year Warranty on Compressor

1 Year Warranty on Parts

KLIMAIRE®

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