



Feel the difference!
Experience the real Comfort

DC INVERTER
TECHNOLOGY

KLIMAIRE

ULTIMATE COOLING & HEATING SOLUTION





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.

Ductless Split Multi-zone

Experience the true individual comfort.

Ductless mini-split systems are perfect solution to variety of installation challenges, allowing installers the ability to place ductless mini-split 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.

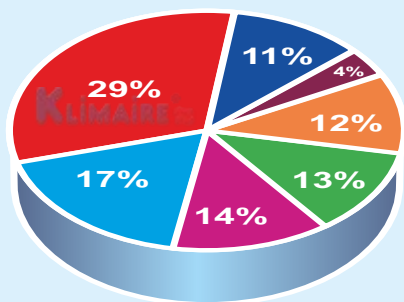
In addition to eliminating the need for ducting, one of the other great advantages of ductless multi-split systems is true zone control. Each indoor fan coil unit is dedicated to the room being conditioned allowing a temperature and humidity level to be kept different from the rest of the house or the 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.

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 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.



Heating

Cooling

Water Heating

Appliances
(includes refrigerator, dishwasher, clothes washer and dryer)

Lighting

Electronics
(includes computer and monitor and TV and DVD player)

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

Inverter Technology:

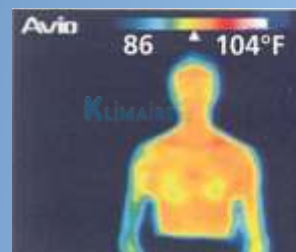
DC Inverter is a type of power conversion circuit that electronically regulates the voltage, current and frequency of a compressor or a motor. DC INVERTER-driven air conditioners and heat pumps bear special double cam, twin rotary variable speed compressor. Like a cruise control of a vehicle. Inverter 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.



Room temperature 77°F
Humidity 50%

COMFORTABLE
Decreasing humidity while maintaining the temperature increases comfort



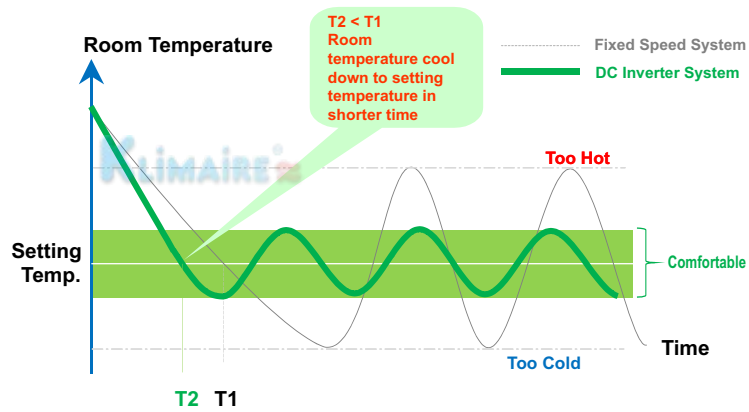
Room temperature 77°F
Humidity 80%

UNCOMFORTABLE
Hot and stuffy with high humidity



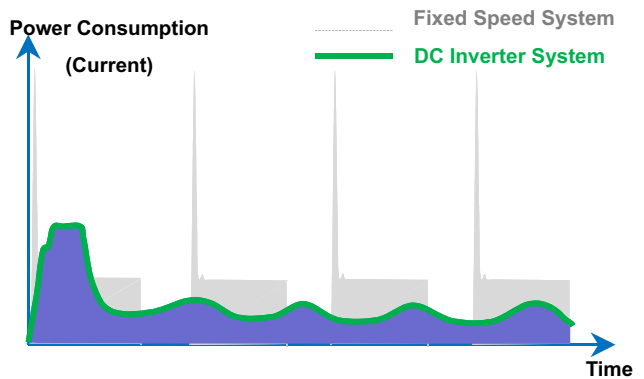
Klimaire DC Inverter Technology

Klimaire Inverttech DC inverter -driven air conditioners and heat pumps are the ultimate cooling and heating technology of the HVAC field. Klimaire DC Inverter Technology adopts the new advanced 180 Sine Wave DC inverter driven technology and brushless DC (BLDC) motor (variable revolution) twin cam compressor. This translates into more energy-savings and quieter operation than 120 Square- Wave DC inverter types. Result is more consistent temperature which translates into increased comfort and energy savings all year round.



DC Inverter 180 Sine Wave

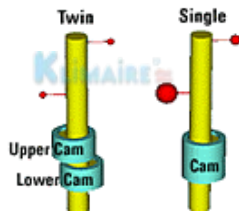
- 1-Wider frequency & voltage range
- 2-More Efficient & higher savings
- 3-Lower noise & reduced vibration for longer life
- 4-Improved reliable operation



Savings and advantages are even much more when you compare with traditional systems. They run at fixed speed and cycle on/off to match the load. This will result compressor to draw tremendous energy each time when it starts up. On/off cycling also reduces the life-span of the compressor and other components that cycle on/off.



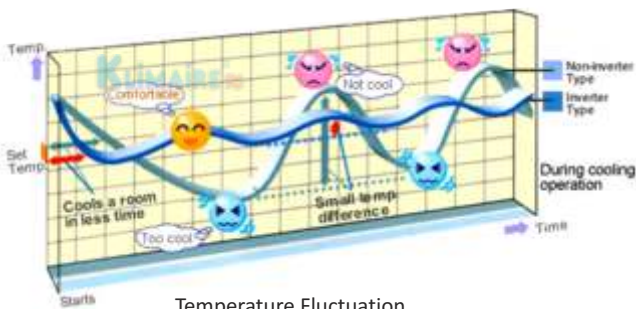
A high performance double cam twin rotary compressor increases the performance, reliability, and durability. Energy savings are much higher with this INVERTECH DC INVERTER - driven variable speed compressor.



The opposite double blade advanced design provides mechanical stability and less vibration that shall increase the life of compressor and other components in the outdoor unit.



Homeowners and neighbors enjoy quiet whisper breeze outdoor unit operation making sure nobody is disturbed.



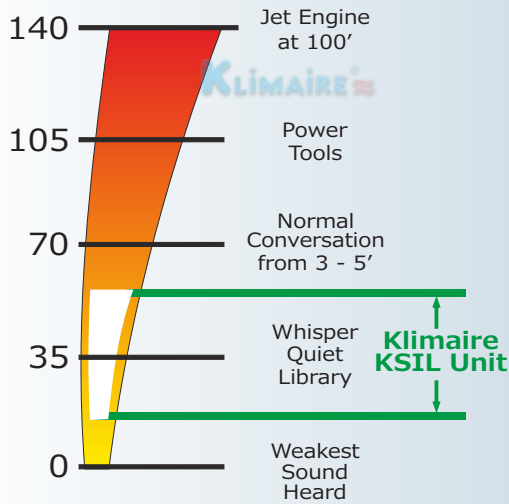
Temperature Fluctuation - INVERTECH System vs. On/off System

The temperature fluctuations are much higher in traditional (on/off cycling) systems compared to inverttech driven inverter systems, which effects human comfort.

Real comfort does not only depend on temperature. Dehumidification process, especially during hot sticky weather is essential and integral part of cooling and inverter systems are the more efficient way to remove moisture and control humidity level.

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.



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 or 4 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.

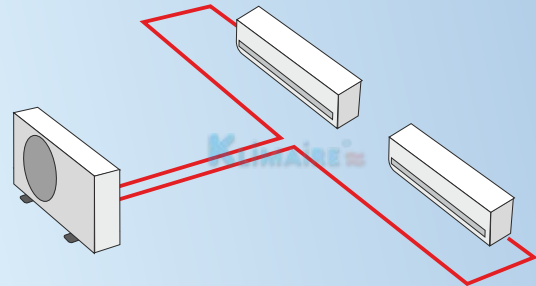


Design Flexibility up to 23 possible capacity combinations with six different indoor units.

Dual Zone

KSIM20912-H216
Up to two indoor units

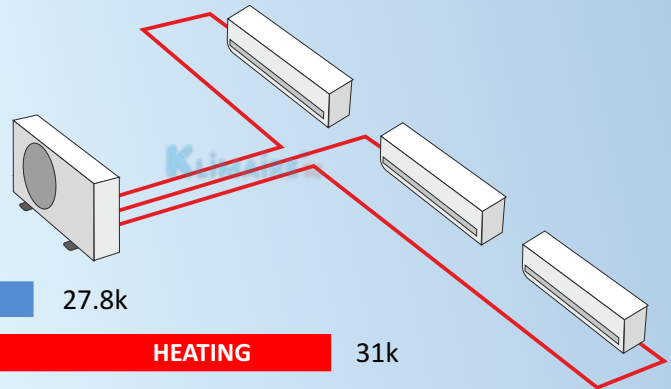
17.7k **COOLING** 18.6k
20.8k **HEATING** 21.9k



Triple Zone

KSIM30912-H216
Up to three indoor units

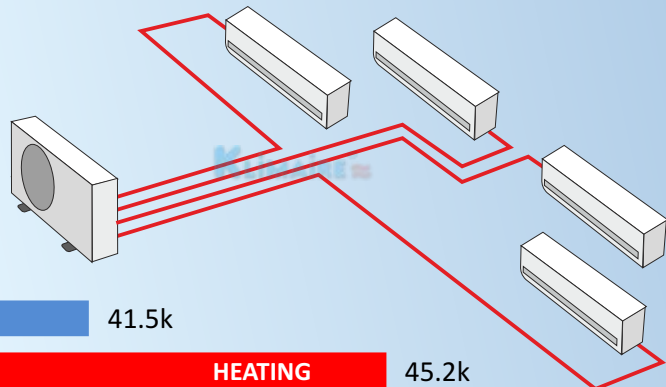
25.6k **COOLING** 27.8k
26.8k **HEATING** 31k



Quad Zone

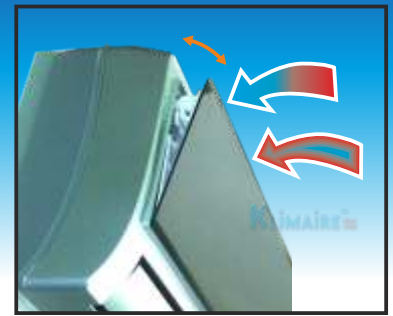
KSIM40912-H216
Up to four indoor units

34.8k **COOLING** 41.5k
36.8k **HEATING** 45.2k



KWIM

This exceptionally quiet sleek & elegant model offers four different colored mirror-like finish front panels to match your décor, open electromechanically in quality built-in features.



IAQ - Indoor Air Quality built in features:

* **Ion generator:** built-in an air ionizer improves indoor air quality (IAQ) by generating hydrogen oxygen ions that eliminate biological contaminants that threaten your health, such as viruses, bacteria and mold.

* **Carbon filter:** made of active carbon and electrostatic fiber that eliminates certain kinds of odors such as cigarette smoke, pet odors, other unpleasant odors and deactivates harmful chemical gases. Electrostatic fiber filter traps small particles such as dust and pet fur from the air stream to prevent allergic reactions.

* **Self-cleaning:** The unit operates at low fan speed and the condensate water washes away the dust from the evaporator golden, hydrophilic fins, then air dries the evaporator. The whole process cleans the indoor unit coil and prevents the breeding of bacteria and mildew growth.



The gold-plated evaporator keeps dust and grease from sticking



Condensation water washes away the dust and grease



When the unit is off, the cleaning system dries the evaporator



A clean air conditioner means less energy consumption and cleaner air

* **Self-diagnosis function:** this function can detect automatically system errors, display error codes on the indoor unit and switch off the unit to protect the system.

* **Economy / Sleep operation:** enables the air conditioner to automatically increase (cooling) or decrease (heating) 1.8 °F per hour for the first two hours then keep it steady for the next 5 hours, and after that will turn off. This function maintains both comfort and energy savings in night operation.

* **Dry mode:** the individual dehumidification mode efficiently helps to control humidity level when cooling may not be necessary.

* **Fan speed control:** adjustable indoor fan control changes the fan speed to three different settings to accommodate user's needs. It also helps to control humidity level when cooling may not be necessary.

* **Timer:** 24 hour energy saver timer to set personal comfort preferences and reduce energy consumption.

* **Turbo:** the air conditioner will maximize the output of cooling or heating operation making the room cool down or heat up rapidly, and attain the desire temperature in the shortest time.

* **Follow me function:** when activated the remote control built-in temperature sensor senses its surrounding temperature and transmits the signal back to the indoor unit at 3 minutes intervals and adjusts air flow volume and temperature accordingly to provide maximum comfort and save energy as well.

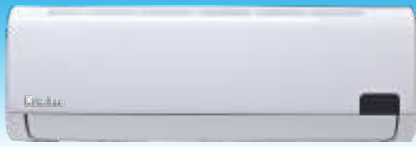
* **Swing:** when it is activated the horizontal louvers oscillate up and down continuously or a preferred air direction can be selected.

* **LCD display:** activates the LCD display on the unit.

* **Temperature setting:** sets the room temperature up or down 1 °F at a time.



KWIL



The L series is one of the most efficient products in the Klimaire line up of inverter mini split air conditioners, exceptionally quiet as well, has a modern design and style that blends with your décor.

The L series is one of the most efficient products in the Klimaire line up of inverter mini split air conditioners, exceptionally quiet as well, has a modern design and style that blends with your décor.

- * **Temperature compensation:** depending on the installation height of the indoor unit, the temperature sensed by the sensor is always different than the floor temperature. Changing the jumping wire combination at the indoor PCB is possible to compensate this deviation on the field.
- * **Auto-restart & memory function:** if there is a power failure the air conditioner will automatically restart with the previous function setting after power restoration.
- * **Low ambient operation:** units can operate down to 5 °F in heating mode.
- * **Carbon & electrostatic filter:** IAQ indoor air quality improvement is made of active carbon and electrostatic fiber that eliminates cigarette smoke, pets and other unpleasant odors, and deactivates other harmful chemical gases. Electrostatic fiber filter traps small particles, dust, and per fur from the air stream to prevent allergic reactions

- * **Air direction:** since cold and warm air density is different, in cooling mode the indoor unit blows air horizontally, while vertically in heating mode. This technology makes the room temperature more consistent and comfortable during operation.
- * **Anti-cold air:** (heat pump only) When starting the heating operation the fan speed is automatically regulated from the lowest level to the pre-set level according to the temperature rising of the evaporator. This technology prevents cold air blowing out at the beginning of the operation, avoiding discomfort to the user.



- * **Sleep operation:** enables the air conditioner to automatically increase (cooling) or decrease (heating) 1.8 °F per hour for the first two hours then keep it steady for the next 5 hours, and after that will turn off. This function maintains both comfort and energy savings in night operation.

- * **Dry mode:** the individual dehumidification mode efficiently helps to control humidity level when cooling may not be necessary.

- * **Fan speed control:** adjustable indoor fan control changes the fan speed to three different settings to accommodate user's needs. It also helps to control humidity level when cooling may not be necessary.

- * **Timer:** 24 hour energy saver timer to set personal comfort preferences and reduce energy consumption.

- * **Turbo:** the air conditioner will maximize the output of cooling or heating operation making the room cool down or heat up rapidly, and attain the desire temperature in the shortest time.

- * **Swing:** when it is activated the horizontal louvers oscillate up and down continuously or a preferred air direction can be selected.

- * **LCD display:** activates the LCD display on the unit.

- * **Temperature setting:** sets the room temperature up or down 1 °F at a time.



Respected for its reliability

Desired for its all season performance

Energy Savings – Reduction of up to 60% in energy consumption can be achieved in comparison to 10 SEER units, which will reduce the utility bill.

Quieter operation – It is less noisy than a self contained window unit, or a packaged terminal unit (PTAC / PTHP), or a central unit. A ductless split system is ultra-quiet because it does not have to push conditioned air through many feet of ductwork, and the noisier outdoor portion of the system operates outdoors.

Comfort – A true zone temperature control optimizes your comfort. Even a single-zone or a multi-zone Klimatec INVERTECH advanced DC Inverter technology provides maximum comfort for the entire space by individual temperature and humidity control. By utilizing inverter technology, temperature and humidity fluctuations are minimized, this state-of-the-art electronic climate control also changes the louver direction swings air, to create uniform ambient conditions. When the selected temperature is reached an inverter system runs almost constantly at low economy speed to maintain desired comfort level controlling humidity which is considered vital for comfort.

Powerful – By means of a microprocessor Inverter Technology senses the indoor air temperature of the space being cooled or heated and adjusts the speed of the compressor to run at higher speed to meet the demand and quickly reach the set temperature, then slows down to lower rotation speed to maintain it.

Convenient – Excellent for remodeling older homes, convenient for retrofitting, vacation homes, cabins, classrooms, churches, nursing homes, restaurants, computer rooms, sun rooms, ATMs, office lobbies and remote offices.

Environmentally Friendly – Our units use environmentally friendly R-410A refrigerant designed to prevent the depletion of the ozone layer. Our super high efficiency products contribute to reduce fossil fuel consumption and limit air pollution.





KTIM

The KTIM cassette unit provides cooling and heating capacity with the 360° flow system allows distributing comfort to every corner of the room; additionally it can share this capacity with an adjacent room by means of flex duct connection; exposed decorative panel 4-way distribution. The off-white color blends with any ceiling configuration.

- The removable panel makes the clean process much easier.
- Fresh air intake design
- Easy maintenance built-in drain pump
- Terminals for connecting an alarm and long distance on-off control
- Auto re-start function can be set up on the main PCB
- These units can be installed as a two zone system combined in any of the different available capacities.
- Remote controlled
- Sleep mode
- Grille and indoor unit are shipped in separate boxes
- 12,000 Btu & 18,000 Btu models are available



KDIM

The KDIM hideaway, low profile slim design allows installation above a drop ceiling or attic space easily, no floor space or cabinet build-up required. The unit is less than 9" in height. Back air inlet is standard, and bottom is optional. The bottom and back flange plate size is the same, which makes it easy to exchange installation return air opening from back to bottom. Unit is ideal to cool several zones, such as bedroom and bathroom in residences; foyer, bathroom, and bedroom combinations in commercial applications.

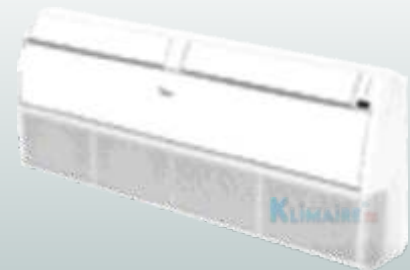
- Standard fresh air hole, easy air duct connection
- Wired control
- Independent dehumidification
- Anti-cold air function
- Sleep mode
- 12,000 Btu & 18,000 Btu models are available



KUIM

The KUIM unique decorative and versatile design allows the unit to be suspended from the ceiling or placed low on the wall or simply placed on the floor. Extremely quiet, and rugged construction makes it ideal for areas of heavy traffic and public areas. They are perfect for residential or commercial applications.

- Attractive, modern design
- Exceptionally quiet operation
- Ease of service and installation
- Anti-cold air function
- Auto restart function
- Auto defrosting
- Sleep mode
- 12,000 Btu & 18,000 Btu models are available



KFIM

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



NOMENCLATURE



OUTDOOR UNIT PRODUCT CODE

K S I M 2 0912 - H 2 16

- Efficiency**
SEER
- Power Supply**
2 : 208-230 / 1 / 60
- Operational Information**
H: Heat Pump
- Nominal Zone Capacity**
09: 9,000 Btu/h
12: 12,000 Btu/h
- Number of Zones**
2, 3, 4
- Product Series**
- Unit Type**
I : Inverter
- Model**
S: System
- Brand**
K: Klimate

MULTIZONE INDOOR UNIT PRODUCT CODE

K W I L 12 - H 2 B

- Options IM Wall Mount Models**
B: Black
R: Burgundy
L: Blue
S: Silver
- Power Supply**
2 : 208-230 / 1 / 60
- Operational Information**
H: Heat Pump
- Nominal Capacity**
09 : 9,000 Btu/h
12 : 12,000 Btu/h
18 ; 18,000 Btu/h
- Product Series**
M: Series
L: Series
O: Series
- Unit Type**
I : Inverter
- Model**
D: Ducted ceiling recessed
F: Floor console
T: Ceiling cassette
U: Ceiling / Floor
W: Wall mounted
- Brand**
K: Klimate

Flexible Match Systems - Performance Tables



COOLING						
Matching Outdoor unit	Fan Coil Model		Nominal Rated Capacity		Total Cooling	Total Power
	Unit A	Unit B	Unit A	Unit B	Capacity -Btu/h	Input (W)
KSIM20912 (1x1)	9k	—	9212	-	9212	971
	12k	—	12106	-	12106	1185
	18k	—	16572	-	16572	1728
KSIM20912 (1x2)	9k	9k	8871	8871	17742	1620
	9k	12k	8259	10165	18425	1662
	12k	12k	9315	9315	18630	1675
HEATING						
Matching Outdoor unit	Fan Coil Model		Nominal Rated Capacity		Total Heating	Total Power
	Unit A	Unit B	Unit A	Unit B	Capacity -Btu/h	Input (W)
KSIM20912 (1x1)	9k	—	9963	-	9963	1014
	12k	—	12795	-	12795	1234
	18k	—	17425	-	17425	1770
KSIM20912 (1x2)	9k	9k	10407	10407	20813	1671
	9k	12k	9605	11822	21427	1730
	12k	12k	10953	10953	21905	1769



COOLING								
Matching Outdoor unit	Fan Coil Model			Nominal Rated Capacity			Total Cooling	Total Power
	Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Capacity -Btu/h	Input (W)
KSIM30912 (1x1)	9k	—	—	9812	-	-	9812	1000
	12k	—	—	12806	-	-	12806	1254
	18k	—	—	17254	-	-	17254	1938
KSIM30912 (1x2)	9k	9k	—	9212	9212	-	18425	1849
	9k	12k	—	9070	11163	-	20233	2010
	9k	18k	—	8759	16855	-	25614	2524
	12k	12k	—	11464	11464	-	22929	2168
	12k	18k	—	10276	17020	-	27296	2532
KSIM30912 (1x3)	9k	9k	9k	8871	8871	8871	26614	2400
	9k	9k	12k	8554	8554	10528	27637	2485
	9k	12k	12k	8033	9887	9887	27808	2492
	12k	12k	12k	9492	9492	9492	28475	2499
HEATING								
Matching Outdoor unit	Fan Coil Model			Nominal Rated Capacity			Total Heating	Total Power
	Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Capacity -Btu/h	Input (W)
KSIM30912 (1x1)	9k	—	—	10963	-	-	10963	1050
	12k	—	—	13795	-	-	13795	1258
	18k	—	—	18425	-	-	18425	1812
KSIM30912 (1x2)	9k	9k	—	10236	10236	-	20472	1852
	9k	12k	—	9865	12142	-	22007	1979
	9k	18k	—	9826	17029	-	26855	2529
	12k	12k	—	11771	11771	-	23543	2018
	12k	18k	—	11561	19147	-	30708	2542
KSIM30912 (1x3)	9k	9k	9k	9952	9952	9952	29855	2417
	9k	9k	12k	9558	9558	11763	30879	2493
	9k	12k	12k	8970	11040	11040	31049	2493
	12k	12k	12k	10574	10574	10574	31722	2499

NOTES:

* Since because of the different room cooling/heating requirements every indoor unit has a different temperature setting, in a multi-zone system the indoor units take turns based on above capacities, the total capacity of the multi-split system could be lower than the whole house total cooling/heating requirements

Flexible Match Systems - Performance Tables

COOLING										
Matching Outdoor unit	Fan Coil Model				Nominal Rated Capacity				Total Cooling Capacity -Btu/h	Total Power Input (W)
	Unit A	Unit B	Unit C	Unit D	Unit A	Unit B	Unit C	Unit D		
KSIM40912 (1x1)	9k	—	—	—	10112	-	-	-	10112	1116
	12k	—	—	—	13806	-	-	-	13806	1412
	18	—	—	—	19926	-	-	-	19926	2336
KSIM40912 (1x2)	9k	9k	—	—	9963	9963	-	-	19926	2336
	9k	12k	—	—	8932	10994	-	-	19926	2336
	9k	18k	—	—	9152	18656	-	-	27808	2964
	12k	12k	—	—	10714	10714	-	-	21427	2463
	12k	18k	—	—	10469	17339	-	-	27808	2964
KSIM40912 (1x3)	18k	18k	—	—	16913	16913	-	-	33826	3454
	9k	9k	9k	—	9269	9269	9269	-	27808	2964
	9k	9k	12k	—	8607	8607	10593	-	27808	2964
	9k	9k	18k	—	8871	8871	17084	-	34826	3454
	9k	12k	12k	—	9610	11828	11828	-	33267	3374
	9k	12k	18k	—	8265	10941	15809	-	35015	2971
	9k	18k	18k	—	7957	16220	16220	-	40398	3807
	12k	12k	12k	—	11089	11089	11089	-	33267	3374
KSIM40912 (1x4)	12k	12k	18k	—	10918	10918	15866	-	37703	3659
	12k	18k	18k	—	9368	15515	15515	-	40398	3807
	9k	9k	9k	9k	8957	8957	8957	8957	35826	3454
	9k	9k	9k	12k	8912	8912	8912	10968	37703	3599
	9k	9k	9k	18k	7801	7801	7801	15903	39306	3740
	9k	9k	12k	12k	8451	8451	10401	10401	37703	3599
	9k	9k	12k	18k	7667	7667	9436	15628	40398	3783
	9k	12k	12k	12k	8377	10310	10310	10310	39306	3740
	9k	12k	12k	18k	7345	9040	9040	14973	40398	3783
12k	12k	12k	12k	9827	9827	9827	9827	39306	3740	
12k	12k	12k	18k	8911	8911	8911	14758	41490	3824	

HEATING										
Matching Outdoor unit	Fan Coil Model				Nominal Rated Capacity				Total Heating Capacity -Btu/h	Total Power Input (W)
	Unit A	Unit B	Unit C	Unit D	Unit A	Unit B	Unit C	Unit D		
KSIM40912 (1x1)	9k	—	—	—	11023	-	-	-	9963	1207
	12k	—	—	—	14726	-	-	-	12795	1531
	18	—	—	—	21632	-	-	-	21632	2457
KSIM40912 (1x2)	9k	9k	—	—	10816	10816	-	-	21632	2429
	9k	12k	—	—	10462	12876	-	-	23338	2621
	9k	18k	—	—	9904	20190	-	-	30094	2470
	12k	12k	—	—	12317	12317	-	-	24635	2654
	12k	18k	—	—	11329	18764	-	-	30094	2470
KSIM40912 (1x3)	18k	18k	—	—	18337	18337	-	-	36673	3384
	9k	9k	9k	—	9838	9838	9838	-	29514	3035
	9k	9k	12k	—	9315	9315	11464	-	30094	3031
	9k	9k	18k	—	9378	9378	18117	-	36873	3384
	9k	12k	12k	—	10695	13163	13163	-	37020	3593
	9k	12k	18k	—	8265	10941	17809	-	37015	2971
	9k	18k	18k	—	7957	16220	16220	-	40398	3807
	12k	12k	12k	—	12340	12340	12340	-	37020	3593
KSIM40912 (1x4)	12k	12k	18k	—	11089	11089	15900	-	38078	3600
	12k	18k	18k	—	9526	15777	15777	-	41080	3637
	9k	9k	9k	9k	9468	9468	9468	9468	37873	3384
	9k	9k	9k	12k	9000	9000	9000	11077	38078	3402
	9k	9k	9k	18k	7876	7876	7876	16054	39682	3514
	9k	9k	12k	12k	8535	8535	10504	10504	38078	3402
	9k	9k	12k	18k	7796	7796	9595	15892	41080	3637
	9k	12k	12k	12k	8457	10408	10408	10408	39682	3514
	9k	12k	12k	18k	7469	9193	9193	15226	41080	3637
12k	12k	12k	12k	9920	9920	9920	9920	39682	3514	
12k	12k	12k	18k	9709	9709	9709	16081	45209	3943	

NOTES:

* Since because of the different room cooling/heating requirements every indoor unit has a different temperature setting, in a multi-zone system the indoor units take turns based on above capacities, the total capacity of the multi-split system could be lower than the whole house total cooling/heating requirements



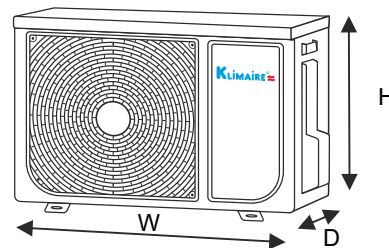
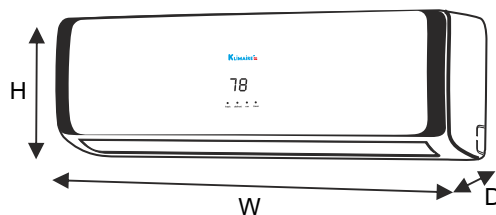
GENERAL SPECIFICATIONS

Flex Series

KSIM Multi Zone + KWIO



Multi Zone O.U. Model Number			KSIM218-H221	KSIM330-H219	KSIM330-H219	KSIM40912-H216
Indoor Unit Series			KWIO	KWIO (3 x 9)	KWIO (2x9 + 12)	KWIO
Power supply		V/ph/Hz	208-230 / 1 / 60			
Cooling	Capacity	Btu/h	18000	27000	30000	36000
	EER	Btu/w	12	12	8,2	8,5
	SEER		21	18,5	16,5	16
Heating	Capacity	Btu/h	19000	31000	31000	35600
	HSPF		10,2	10	10	9,1
	Low temperature heating capacity (36 °F)	Btu/h		21990	21990	26945
Low temperature heating capacity (19 °F)	Btu/h		16495	16495	17680	
Minimum Circuit Ampacity		A	15	18	18	27
Max. Fuse Size		A	20	30	30	40
Compressor	Type		Twin-rotary	Twin-rotary	Twin-rotary	Twin-rotary
	Capacity	Btu/h	15286	26289	26289	33711
	Input	W	1150	2120	2120	3010
	Rated current(RLA)	A	9,7	8,85	8,85	13,5
	Refrigerant oil/oil charge	ml	ESTER OIL VG74/500	ESTER OIL VG74/820	ESTER OIL VG74/820	FV50S/1070
Outdoor fan motor	Input	W	50	72	72	180
	RLA	A	0,74	0,7	0,7	1,3
	Speed	r/min	750	800	800	850
Outdoor air flow		CFM	1470	2060	2060	2240
Outdoor noise level		dB(A)	60	63	63	65
Outdoor unit	Dimension(W*D*H)	in	33.27x12.6x27.56	35.43x12.40x33.86	35.43x12.40x33.86	38.98x13.58x37.99
	Packing (W*D*H)	in	37.99x15.55x29.72	41.06x15.55x36.02	41.06x15.55x36.02	44.09x17.13x43.31
	Net/Gross weight	lb	105.82/114.64	136.69/147.71	136.69/147.71	179.67/188.49
Refrigerant type		oz	R410A/68	R410A/88.2	R410A/88.2	R410A/95
Refrigerant precharge (Total pipe length)		ft	25 x2	25 x3	25 x3	25 x4
Additional charge for each ft		oz	0,161	0,161	0,161	0,161
Design pressure		psig	540/340	540/300	540/300	540/340
Refrigerant piping	Liquid side/ Gas side	in	2 x 1/4"/3/8"	3 x 1/4"/3/8"	3 x 1/4"/3/8"	4 x 1/4"/3/8"
	Max. length for all rooms	ft	98	148	148	197
	Max. length for one indoor unit	ft	66	82	82	98
Max. height difference	Between indoor and outdoor unit	ft	33	33	33	33
	OU higher than IU	ft	49	49	49	49
	OU lower than IU	ft	49	49	49	49
Between indoor units	ft	33	33	33	33	
Thermostat		Type	Remote control	Remote control	Remote control	Remote control
Ambient temperature	Cooling	°F	5~122	5~122	5~122	5~122
	Heating	°F	5~76	5~76	5~76	5~76



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

GENERAL SPECIFICATIONS

Flex Series KSIM Multi Zone

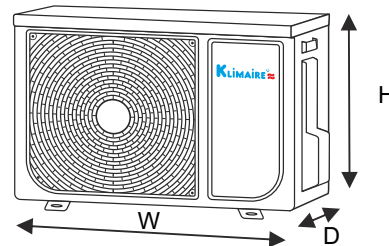
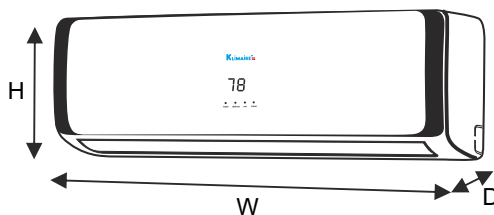


KSIM Series 16 SEER Outdoor Units

Model Number		KSIM20912-H216		KSIM30912-H216		KSIM40912-H216			
Capacity	Cooling	Btu/h	18000	27000	36000	kW	5,3	7,9	10,6
	Heating	Btu/h	18100	24600	36200	kW	5,3	7,2	10,6
Electrical Data	Voltage	V / ph / Hz	208-230 / 1 / 60		208-230 / 1 / 60		208-230 / 1 / 60		
	Power Input (W)	Cooling	1900		2700		3800		
		Heating	1900		2300		4100		
	Operating Current (A)	Cooling	8,5		12		17		
		Heating	8,5		10,5		18,5		
	MCA	A	12		14		18,5		
Max Fuse Size	A	15		20		30			
Performance	SEER	(BTU/W)	16		16		15		
	EER	(BTU/W)	10,15		9,8		10,6		
	COP	(BTU/W)	10,2		9,6		8,5		
	HSPF	(BTU/W)	8		8		8		
	Air Flow Volume	cfm	1295		1470		1880		
Noise Level	dB(A)	57		58		62			
Dimensions & Weight	Unit Dimension - W*H*D	mm							
		in	33"-1/4" x 27"-3/8" x 13"-3/16"		33"-1/4" x 27"-3/8" x 13"-3/16"		39" x 38" x 14"		
	Packing Dimension - W*H*D	in	38" x 29"-3/4" x 15"-9/16"		38" x 29"-3/4" x 15"-9/16"		44"-1/8" x 43"-5/16" x 17"-1/8"		
Net/Gross Weight	lb	118/126		123/132		188/200			

KSIM Series Outdoor Units

Multi Zone O.U. Model Number		KSIM218-H221		KSIM330-H219		KSIM40912-H216		
Power supply	V/ph/Hz			208-230 / 1 / 60				
Cooling	Capacity	Btu/h	18000	30000	36000	EER	8,2	8,5
	SEER	Btu/w	21	16,5	16	SEER	10,2	9,1
	Capacity	Btu/h	19000	31000	35600	HSPF	10,2	10
Low temperature heating capacity (36 °F)	Btu/h	21990		26945		Minimum Circuit Ampacity	A	15
Low temperature heating capacity (19 °F)	Btu/h	16495		17680		Max. Fuse Size	A	20
Compressor	Type	Twin-rotary		Twin-rotary		Twin-rotary		
Capacity	Btu/h	15286		26289		33711		
Input	W	1150		2120		3010		
Rated current(RLA)	A	9,7		8,85		13,5		
Refrigerant oil/oil charge	ml	ESTER OIL VG74/500		ESTER OIL VG74/820		FV50S/1070		
Outdoor fan motor	Input	W		72		180		
RLA	A	0,74		0,7		1,3		
Speed	r/min	750		800		850		
Outdoor air flow	CFM	1470		2060		2240		
Outdoor noise level	dB(A)	60		63		65		
Outdoor unit	Dimension(W*D*H)	in	33.27x12.6x27.56		35.43x12.40x33.86		38.98x13.58x37.99	
	Packing (W*D*H)	in	37.99x15.55x29.72		41.06x15.55x36.02		44.09x17.13x43.31	
	Net/Gross weight	lb	105.82/114.64		136.69/147.71		179.67/188.49	
Refrigerant type	oz	R410A/68		R410A/88.2		R410A/95		
Refrigerant precharge (Total pipe length)	ft	25 x2		25 x3		25 x4		
Additional charge for each ft	oz	0,161		0,161		0,161		
Design pressure	psig	540/340		540/300		540/340		
Refrigerant piping	Liquid side/ Gas side	in	2 x 1/4"/3/8"		3 x 1/4"/3/8"		4 x 1/4"/3/8"	
	Max. length for all rooms	ft	98		148		197	
	Max. length for one indoor unit	ft	66		82		98	
Max. height difference	Between indoor and outdoor unit	ft	33		33		33	
	OU higher than IU	ft	49		49		49	
	OU lower than IU	ft	33		33		33	
Thermostat	Type	Remote control		Remote control		Remote control		
Ambient temperature	Cooling	°F	5~122		5~122		5~122	
	Heating	°F	5~76		5~76		5~76	



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

GENERAL SPECIFICATIONS



Flex Series Multi Zone Indoor Units

KWIO Series Fan Coil Units

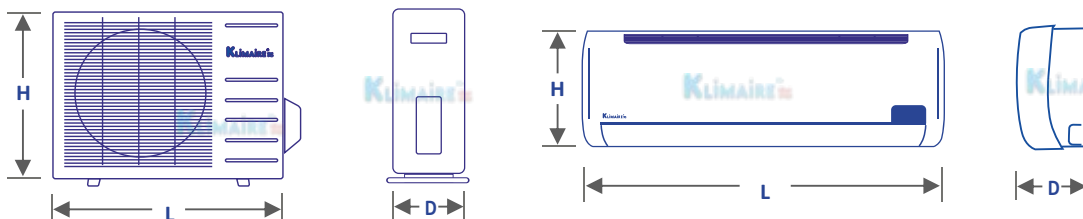
Model Number			KWIO09-H2	KWIO12-H2	KWIO18-H2
Power supply		V/ph/Hz	208-230V / 1 / 60	208-230V / 1 / 60	208-230V / 1 / 60
Indoor fan motor	Input	W	20	20	58
	RLA	A	0,09	0,09	0,13
	Speed(Hi/Mi/Lo)	r/min	1150 / 1000 / 700	1150 / 1000 / 700	1150 / 900 / 700
Indoor air flow	Hi/Me/Lo	cfm	440/380/260	440/380/260	710/560/440
Indoor noise level	Hi/Me/Lo	dB(A)	43/37/31	43/37/31	47/40/31
Indoor Unit	Unit (W*D*H)	in	32.87x7.80x11.02	32.87x7.80x11.02	38.98x8.58x12.40
	Packing (W*D*H)	in	35.83x10.63x13.98	35.83x10.63x13.98	41.93x11.81x15.75
	Net/Gross Weight	lb	17.64/22.05	18.74/24.25	26.46/30.86
	Liquid / Gas	in	1/4" / 3/8"	1/4" / 3/8"	1/4" / 1/2"
Thermostat	Type		Remote Control	Remote Control	Remote Control
Room temperature	Cooling	<input type="checkbox"/>	62 ~ 90	62 ~ 90	62 ~ 90
	Heating	<input type="checkbox"/>	32 ~ 86	32 ~ 86	32 ~ 86
Operating temperature		<input type="checkbox"/>	62~86	62~86	62~86

KWIL Series Fan Coil Units

Model Number			KWIL09-H2	KWIL12-H2	KWIL18-H2
Capacity	Cooling	Btu/h	9.000	12.400	16.500
	Heating	Btu/h	10.000	12.700	19.200
Electrical data	Voltage	V / ph / Hz	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60
Performance	Air Flow Volume	cfm	265	335	518
	Noise Level - dB(A)	Hi/Med/Lo	35/30/25	37/32/27	42/37/33
Dimensions & Weight	Unit Dimension - W*H*D	in	27"-15/16 x 9"-13/16 x 7"-1/2	31"-1/8 x 10"-7/16 x 7"-13/16	36"-1/4 x 11"-1/2 x 8"-3/4
	Packing Dimension - W*H*D	in	30"-5/16 x 12"-1/2 x 10"-7/16	34"-7/8 x 13"-3/16 x 10"-7/16	39 15/16 X 14 1/2 X 11 5/8
	Net/Gross Weight	lb	18/20	20/25	27.5/35
	Liquid Pipe Size	mm (in)	Ø6.35(1/4")	Ø6.35(1/4")	Ø6.35(1/4")
	Gas Pipe Size	mm (in)	Ø9.53(3/8")	Ø12.7(1/2")	Ø12.7(1/2")

KWIM Series Fan coil Units

Model Number			KWIM09-H2	KWIM12-H2	KWIM18-H2
Capacity	Cooling	Btu/h	9.000	12.000	17.000
	Heating	Btu/h	10.000	13.000	18.000
Electrical data	Voltage	V / ph / Hz	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60
Performance	Air Flow Volume	cfm	324	383	470
	Noise Level - dB(A)	Hi/Med/Lo	38/35/32	40/37/34	42/37/33
Dimensions & Weight	Unit Dimension - W*H*D	in	31"-5/16 x 10"-5/8 x 6"-1/2	33"-1/ 4 x 11" 1/4 x 6"-1/2	39"-3/16 x 11"-5/8 x 7"-5/8
	Packing Dimension - W*H*D	in	33"-7/16 x 13"-3/8 x 11"-1/4	35 10/16x14 x11 4/16	43 5/16 X 16 5/16 X11 7/16
	Net/Gross Weight	lb	22/25	23/26	28/35
	Liquid Pipe Size	mm (in)	Ø6.35(1/4")	Ø6.35(1/4")	Ø6.35(1/4")
	Gas Pipe Size	mm (in)	Ø9.53(3/8")	Ø12.7(1/2")	Ø12.7(1/2")
Features	Turbo		YES	YES	YES
	Auto-Restart Function		YES	YES	YES
	Sleep Mode		YES	YES	YES
	Self-cleaning		YES	YES	YES
	LCD Display		YES	YES	YES
	Auto Level swing		YES	YES	YES
	Vitamin C Filter		OPTION	OPTION	OPTION
	Bio Filter		OPTION	OPTION	OPTION
Silver Ion Filter		OPTION	OPTION	OPTION	



Continued product improvement is our goal at Klimatech 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
- 4 - Units may operate in heating mode until the ambient conditions reach 5° F

GENERAL SPECIFICATIONS

Flex Match Series

Multi Zone - Heat Pump



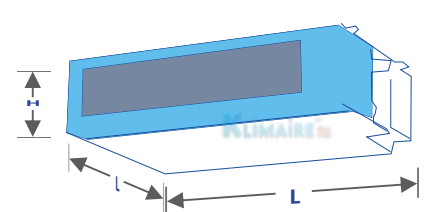
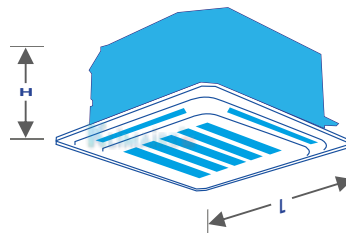
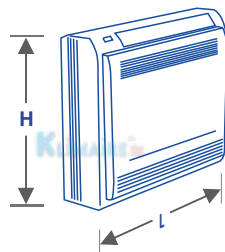
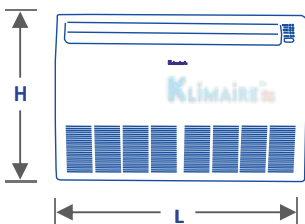
<i>KTIM Series Cassette Fan Coil Unit</i>			KTIM012	KTIM018
Capacity	Cooling	Btu/h	12.000	18.000
	Heating	Btu/h	13.000	20.500
Performance	Air Flow Volume	cfm	341	441
	Noise Level - dB(A)	Hi/Med/Lo	42/38/32	44/39/33
Dimensions & Weight	Unit Dimension - W*H*D	in	22"-7/16 x 22"-7/16 x 10"-1/4	22"-7/16 x 22"-7/16 x 10"-1/4
	Packing Dimension - W*H*D	in	25"-13/16 x 25"-13/16 x 11"-7/16	25"-13/16 x 25"-13/16 x 11"-7/16
	Net/Gross Weight	lb	35 / 42	40 / 46
	Liquid Pipe Size	in	1/4"	1/4"
	Gas Pipe Size	in	1/2"	1/2"
<i>KUIM Series Floor/Ceiling Fan Coil Unit</i>			KUIM012	KUIM018
Capacity	Cooling	Btu/h	12.000	18.000
	Heating	Btu/h	13.000	20.000
Performance	Air Flow Volume	cfm	344	471
	Noise Level - dB(A)	Hi/Med/Lo	40/37/33	40/37/33
Dimensions & Weight	Unit Dimension - W*H*D	in	39" x 26" x 8"	39" x 26" x 8"
	Packing Dimension - W*H*D	in	40"-13/16 x 29"-1/8 x 9"-3/8	40"-13/16 x 29"-1/8 x 9"-3/8
	Net/Gross Weight	lb	53 / 66	53 / 66
	Liquid Pipe Size	in	1/4"	1/4"
	Gas Pipe Size	in	1/2"	1/2"
<i>KFIM Series Console Fan Coil Unit</i>			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"
<i>KDIM Series Ducted Recessed Fan Coil Unit</i>			KDIM012	KDIM018
Capacity	Cooling	Btu/h	12.000	18.000
	Heating	Btu/h	13.000	20.000
Performance	Air Flow Volume	cfm	353	530
	Noise Level - dB(A)	Hi/Med/Lo	39	41
Dimensions & Weight	Unit Dimension - W*H*D	in	27"-9/16 x 25" x 8"-1/4	36"-1/4 x 25" x 8"-1/4
	Packing Dimension - W*H*D	in	36" x 25"3/16 x 10"-13/16	44"-11/16 x 25"-13/16 x 11"-7/16
	Net/Gross Weight	lb	44 / 55	51 / 64
	Liquid Pipe Size	in	1/4"	1/4"
	Gas Pipe Size	in	1/2"	1/2"

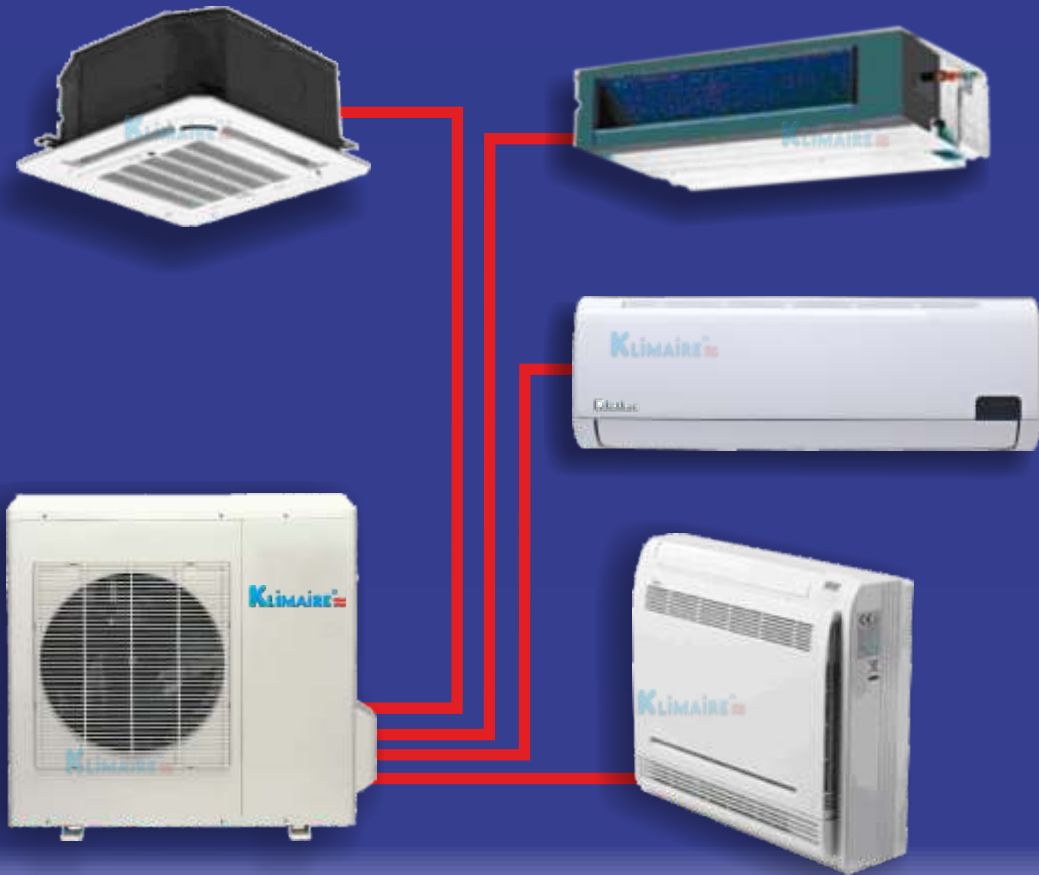
KUIM

KFIM

KTIM

KDIM





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