

KSIH
SERIES

HYPER HEATING SERIES
NEW RESIDENTIAL LINE

20-25 SEER



Smart Control
System

YOU WILL FIND
A NEW FAVORITE PLACE
AT HOME
HEATING COULD NEVER BE BETTER



KLIMAIRE®

Mark of Superior Quality

- 100% COOLING CAPACITY @ 0° F AMBIENT TEMPERATURE
- 100% HEATING CAPACITY @ 5° F (-15° C) AMBIENT TEMPERATURE
- OPERATES EFFICIENTLY @ -13° F (-25° C)

Overview

These systems are designed to deliver effective heating performance at temperatures as low as 13° F (-25° C) in cold regions where homeowners want to enjoy a reliable energy efficient heating source. Delivers 100% heating capacity at 5° F ambient temperature and heating operation range has been extended to -22° F (-30° C).

Klimaïre slim and stylish single zone ductless systems offers duct free benefits. These systems are integrated with innovative inverter technology providing individual comfort and control. Experience true individual comfort.

Ductless Mini-Split systems are the perfect solution to a variety of installation challenge, eliminates the use of ductwork, allowing installers the ability to place these units in locations that were previously considered impractical or impossible due to additional ducting and cost associated with installing a regular unit.

Standard Features



Klimaïre KSIH Heat Pump for extreme winter - Up to 100% heating capacity at 5° F (-15° C) and operates efficiently as low as -13° F ambient temperature.



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



Self-Cleaning - Your Klimaïre KSIH series equipped with Auto Clean Function. It cleans and dries the evaporator to prevent mildew grow and odor to keep it fresh for next operation



Low Ambient Cooling
Operates in cooling mode in the low winter ambient conditions down to 5° F when cooling is necessary in spaces like server rooms, sun rooms & hydroponic labs.



Refrigerant Leakage Detection
You will be alerted when refrigerant is low. Prevents damage to the compressor by automatically turning off the unit



Enhance base plate design
For optimal condensate drainage to reduce ice build-up and keep efficiency high at low ambient temperature.

Energy efficiency Up to 25 SEER	Timer	Turbo Mode	Temperature Compensation	Anti-Cold-Air (Heat Pump Only)	Cold Catalyst Filter	Self-Cleaning	Sleep Mode
Auto Restart	46°F Heating	Auto Defrosting	Up to 100% Cooling capacity	Outdoor Metal Grill	Follow me	Self Diagnostic Service	Crankcase Heater
Louver Position Memory	2 ways draining	12 Grades ID Fan Speed	Outdoor Unit Pan Heater	High Density Washable Air Filter	Silent Mode Low Noise Airflow	5 Grades OD Fan Speed	

KSIH ductless mini split systems can be an energy-saving, cost-effective solution for a variety of applications:



New construction and renovations



Homes and businesses



Single or multi family



Primary living areas



Rooms that are always too hot or too cold



Basements, attics, garages, additions

Remotely managed

Your Klimaire Wi-Fi enabled air conditioner lets you control your ductless mini split air conditioner using your smartphone or tablet from anywhere internet connection is available. Our free IOS and Android smartphone app gives you the freedom to instantly adjust your settings saving you time and money on energy consumption and cost.



iOS or Android APP
The mini-splits are controlled from a webpage or using an iOS or android app in a very intuitive way.

Remotely managed - Remotely manage your mini-split system using a simple smartphone, tablet or PC via the Internet.



Optional Smart Kit



Standard Wi-Fi
b/g/n router

Cloud System



iOS and
Android APPS



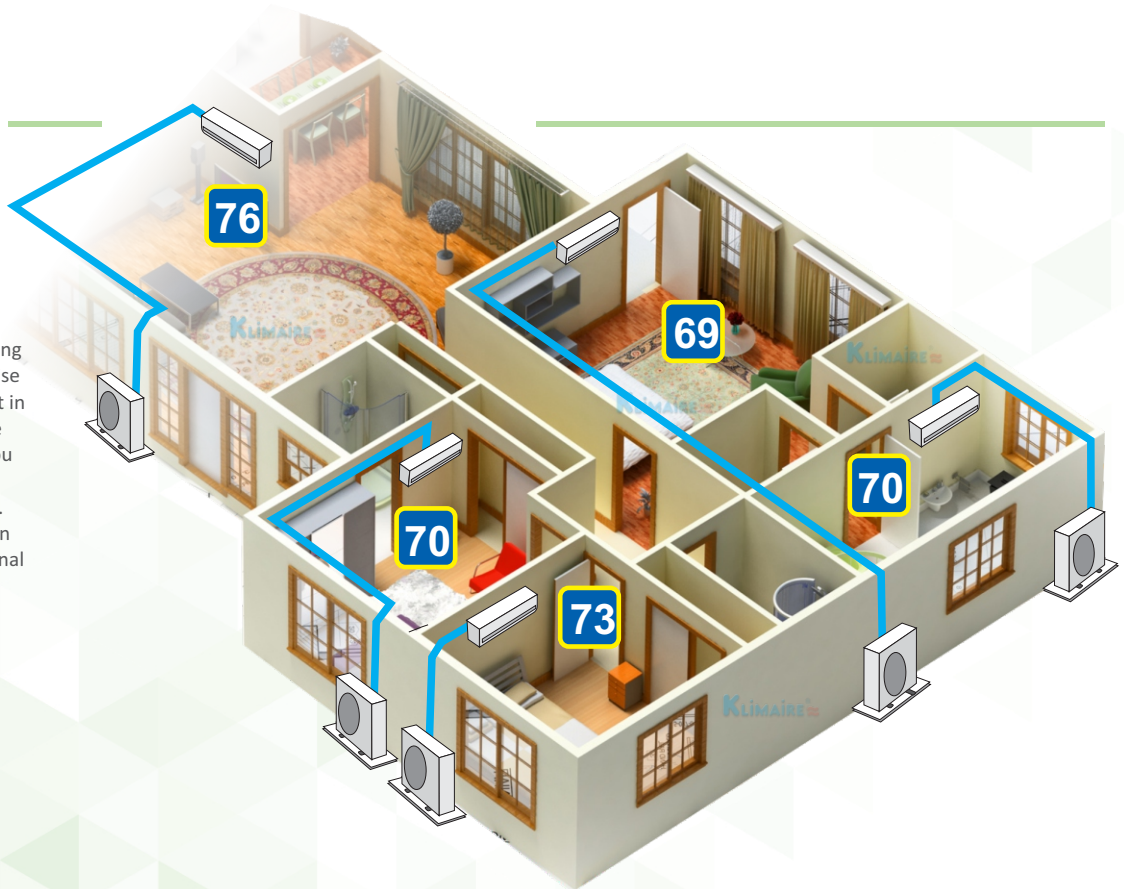
From Everywhere



Room by Room

Individual Comfort and Temperature Control

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



Accessories



115 - 230 V

Condensate Drain
Mini-Pumps



WAFB21

Outdoor unit wall brackets



WAFP21

EZ - Quick installation kits
15, 25, 35, 50 ft.



Optional
Wired Control

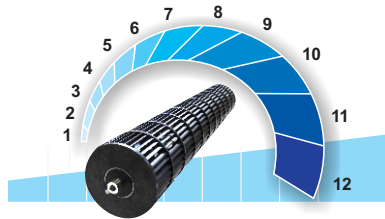
Total Comfort

Turbo Mode



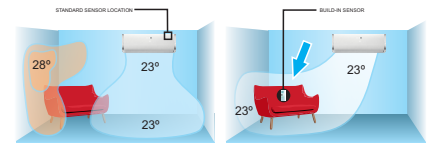
When the air conditioner goes into this mode maximizes the cooling or heating capacity output cooling down or heating up the room fast.

12 Grades Fan Speed



Allows you to adjust the airflow precisely to the setting that gives you the greatest comfort

Follow-me



This initiates the Follow Me feature, the remote displays the actual temperature at its location. The remote control will send this signal to the air conditioner every 3 minutes until you press the Follow Me button again. The air conditioner will cancel this feature automatically if it does not receive the signal within any 7 minutes interval.

Sleep Mode

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

- Low Noise Design
- Optimize air discharge vane
- Silent Mode

Max Decrease
3.5dB(A)

Indoor fan run at an extra breeze



Self Cleaning

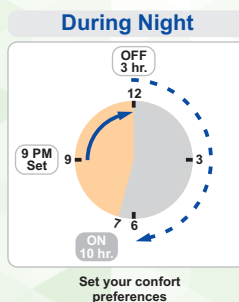
In SELF-CLEAN mode, the air conditioner will automatically clean and dry the evaporator to prevent mildew grow and keep it fresh for the next operation.



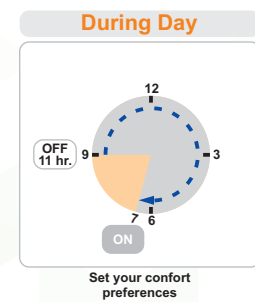
Operation	Low Fan Only	Heating & Low Fan	Low Fan Only
Time (minute)	1-13	14	15-16

ON/OFF 24 hr. Programmable Timer

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



Remote Control

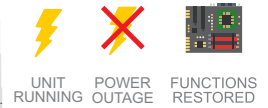
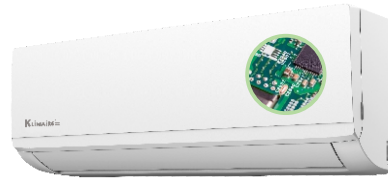


Anti-cold Air



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

Auto Re-start

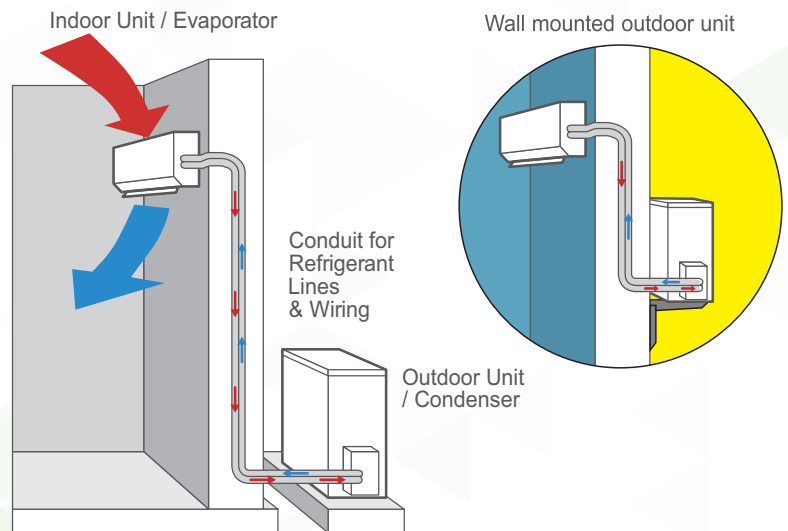


The air conditioner memorizes the operation settings and when there is a power outage it will start up using these settings when the power is reestablished.

Ductless Mini-split

Personalized Comfort Solution

Experience true individual comfort. Ductless Mini-Split systems are the perfect solution to a variety of installation challenges. Ductless Mini-Split units eliminate the use of ductwork, allowing installers the ability to place these units in locations that were previously considered impractical or impossible due to additional ducting and cost associated with installing a regular unit. Ductless Mini-Splits consist of two parts, an outdoor unit and an indoor unit, similar to regular split units, but much smaller in size. The outdoor and indoor units are connected to each other by refrigerant and electrical lines. They run together with a condensate drain line through a small hole in an exterior wall, generally 3 inch in diameter or less. In addition to eliminating the need for ducting, another great advantage of Ductless Mini-Split systems is true zone control. The indoor fan coil unit is dedicated to the room being conditioned, allowing a temperature and humidity level to be kept in a specific room, separate from the rest of the house or building.



Reliability

Base Pan Heater



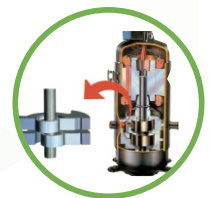
Prevents defrost condensation from freezing ensuring proper defrost drainage during heating season

Compressor Heater



Ensures Compressor longevity and reliability

TwinCam



A high performance double cam twin rotary compressor increases the performance, reliability and durability

Remote Control

ON/OFF
Turns the unit on or off.

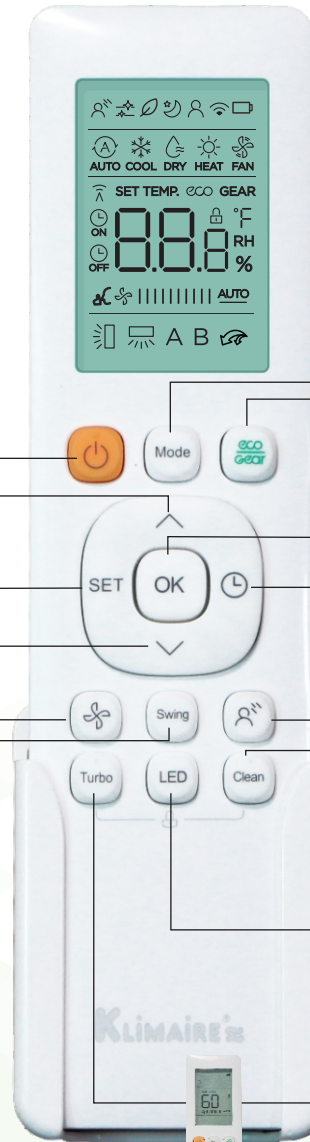
TEMP ^
Increases temperature in 1°C (1°F) increments. Max. temperature is 30°C (86°F).
NOTE: Press together ∨ & ^ buttons at the same time for 3 seconds will alternate the temperature display between the °C & °F.

SET
Scrolls through operation functions as follows:
Fresh (🌿) → Sleep (🌙) → Follow Me (👤) → AP mode (📶) → Fresh...
The selected symbol will flash on the display area, press the OK button to confirm.

TEMP ∨
Decreases temperature in 1°C (1°F) increments. Min. temperature is 16°C (60°F).

FAN SPEED
Selects fan speeds in the following order: AU → 20% → 40% → 60% → 80% → 100%.
Press the TEMP ^ or ∨ button to increase/decrease the fan speed in 1% increments.

SWING
Starts and stops the horizontal louver movement. Hold down for 2 seconds to initiate vertical louver auto swing feature.



MODE
Scrolls through operation modes as follows: **AUTO** → **COOL** → **DRY** → **HEAT** → **FAN**
NOTE: HEAT mode is not supported by the cooling only appliance.

ECO/GEAR
Press this button to enter the energy efficient mode in a sequence of following:
ECO → GEAR(75%) → GEAR(50%) → Previous setting mode → ECO

OK
Used to confirm the selected functions

TIMER
Set timer to turn unit on or off
BREEZE AWAY
This feature avoids direct air flow blowing on the body and makes you feel indulging in silky coolness.
NOTE: This feature is available under cool, Fan and Dry mode only

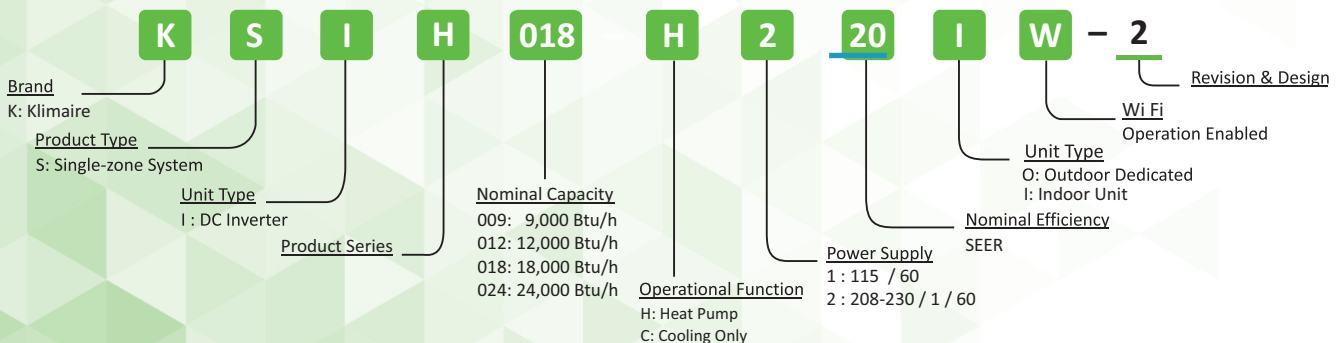
CLEAN
Used to start/stop the Self Clean or Active Clean function. (Model dependent, please refer to the USER'S OPERATION & INSTALLATION MANUAL).

LED
Turns indoor unit's LED display and air conditioner buzzer on and off (model dependent), which create a comfortable and quiet environment.

Turbo
Enables unit to reach preset temperature in shortest possible time

Remote Control Holder

KSIH Product Code



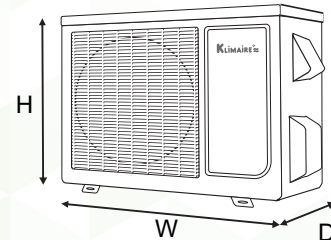
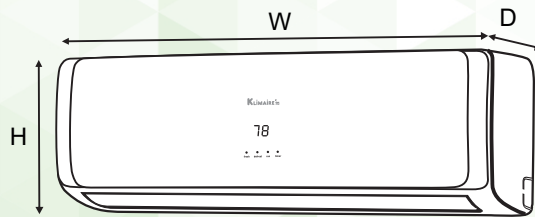
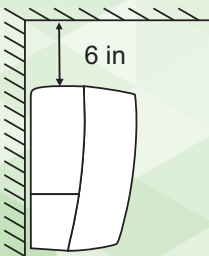
Indoor			KSIH009-H225-IW-2	KSIH012-H222-IW-2	KSIH018-H220-IW-2	KSIH024-H220-IW-2
Outdoor			KSIH009-H225-O-2	KSIH012-H222-O-2	KSIH018-H220-O-2	KSIH024-H220-O-2
Power supply		V/ph/Hz	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60
Cooling	Capacity rated	Btu/h	9000	12000	17000	24000
	Min. - Max. rated	Btu/h	3500-13000	4000-13800	4500-18800	5500-24500
	Input	W	620	960	1360	1920
	Rated current	A	2,7	4,2	5,95	8,4
	EER	Btu/w	14,5	13	12,5	13
	SEER	Btu/w	25	22,5	20	20,5
	EER2	Btu/w	15,8	13	13	12,5
	SEER2	Btu/w	26,4	23,1	22	22,3
Heating	Capacity rated	Btu/h	10900	11800	18000	24000
	Min. - Max. rated	Btu/h	4500-14500	5000-15500	5500-24000	6000-32000
	Max. heating capacity @ 5/-5/-13 °F	Btu/h	12010/9650/9002	12000/9820/9010	18520/17010/16520	24030/21020/16520
	Input	W	835	975	1685	2500
	Rated current	A	3,6	4,2	7,4	10,9
	COP	W/W	3,83	3,55	3,13	2,81
	HSPF	Btu/w	11,2	12	10,3	11,5
	HSPF2	Btu/w	11,6	10,5	10,6	10,3
Minimum Circuit Ampacity - MCA		A	9	9	18	20
Maximum Fuse Size - MOCP		A	15	15	25	30
Compressor	Type		Rotary	Rotary	Rotary	Rotary
	Capacity	Btu/h	11594	11430	24345	24345
	Input	W	858	870	1970	1970
	Rated current (RLA)	A	5,25	5,65	12,3	14
	Refrigerant oil/oil charge	ml	Ester Oil VG74 / 500	Ester Oil VG74 / 500	POE (VG74) / 670	POE (VG74) / 670
Indoor fan motor	Input	W	50	50	58 (Output)	72
	RLA	A	0,06	0,06	0,13	0,3
	Speed(Hi/Mi/Lo)	rpm	1170/900/700	1170/900/700	1100 / 900 / 700	1200/1100/900
Indoor air flow (Hi/Mi/Lo)		cfm	418/324/247	418/324/247	599/411/353	794/647/500
Indoor noise level (Hi/Mi/Lo)		dB(A)	42/33/24.5	43/36/24	45.5/36/26.5	47.5 /44/36.5
Indoor unit	Dimension(W*D*H)	in	32.87x7.80x11.02	32.87x7.80x11.02	38.98x8.58x12.40	46.69x10.16x13.39
	Packing (W*D*H)	in	35.83x10.63x13.98	35.83x10.63x13.98	41.93x11.81x15.75	49.80x13.39x16.53
	Net/Gross weight	lb	19.84/25.35	19.84/26.68	26.89/34.83	40.12/50.26
Outdoor fan motor	Input	W	63	63	115/81/44	150
	RLA	A	0,38	0,38	0,42	0,5
Outdoor air flow		cfm	1120	1180	1355	2355
Outdoor noise level		dB(A)	55,5	56	57,5	60
Outdoor unit	Dimension(W*D*H)	in	31.5x13.1x21.8	31.5x13.1x21.8	33.3x14.3x27.6	37.2/16.1/31.9
	Packing (W*D*H)	in	36.2x15.4x24.2	36.2x15.4x24.2	38x15.6x29.7	42.9x19.7x34.5
	Net/Gross weight	lb	88.2/93.7	88.2/93.7	107.4/115.1	135.6/148.8
Refrigerant type		oz	R410A / 52.9	R410A / 52.9	R410A / 68.8	R410A / 91.7
Refrigerant precharge		ft	25	25	25	25
Additional charge for each ft		oz	0,161	0,161	0,161	0,322
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
Connection wiring / Stranded, unshielded		AWG x No.	16 x 4	16 x 4	16 x 4	16 x 4
Thermostat type			Remote Control	Remote Control	Remote Control	Remote Control
Operation temperature	Indoor (cooling/ heating)	° F	62~90/32~86	62~90/32~86	62~90/32~86	62~90/32~86
	Outdoor (cooling/heating)-optional	° F	-22j « 122l-22j « 86	-22j « 122l-22j « 86	-22j « 122l-22j « 86	-22j « 122l-22j « 86
Application area (cooling standard)		sq. ft	129-189	172-252	258-376	344-505

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.

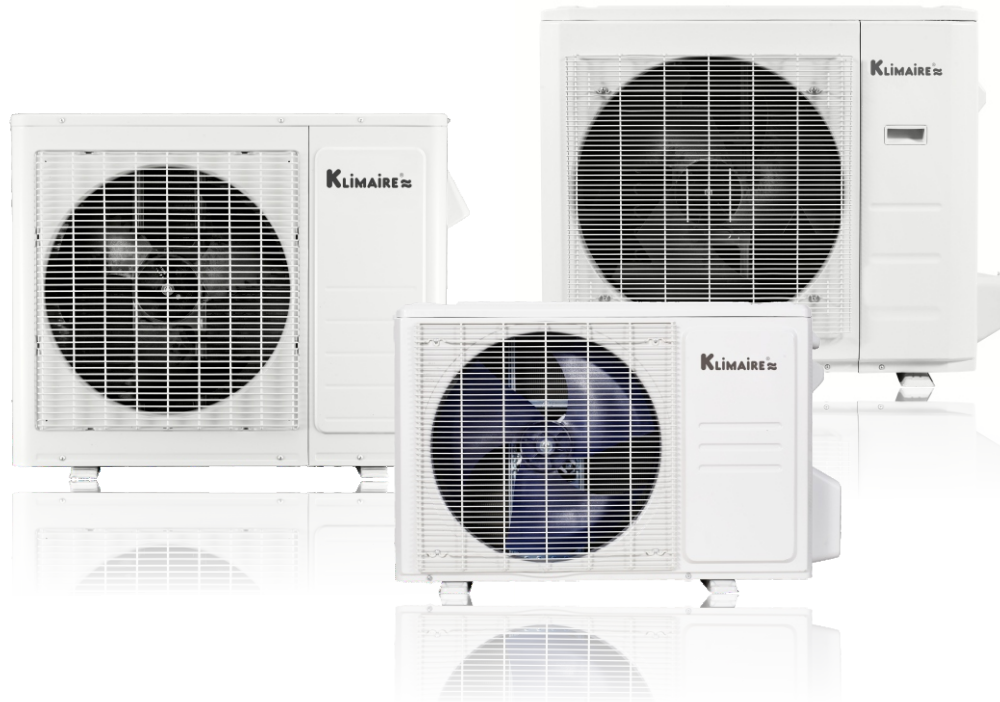
2 - Outdoor unit being elevated than the indoor unit oil trap should be installed every 17 ft to 23 ft (5 to 7 m)



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