

01 Hi-ULTRA HD R410A Inverter



Central Ducted Split Systems

50Hz/ 60Hz



Multi Positioning



Leakage Detection



0.8 In.W.C. High ESP

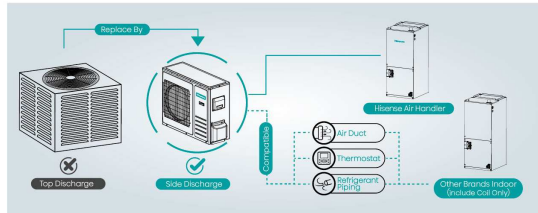


HD – Horizontal Discharge Outdoor



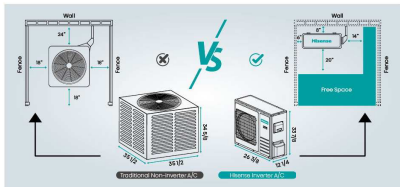
Flexible Replacement Solution

The professional design of this system makes it compatible with the 24V thermostat available in market, for more controls flexibility.
*Contact with distributor for more details.



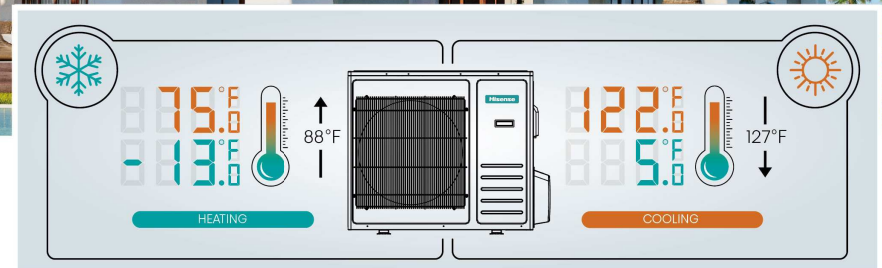
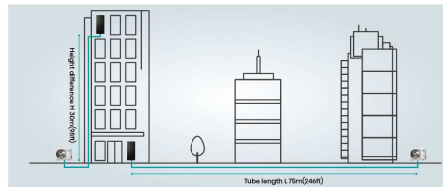
Slim Design and Side Discharge

36% reduction in volume and 40% reduction in foot print, better installation space saving, heat transfer and efficiency; ideal for high-density areas and improved lawn space.



Height Difference & Long Piping Design

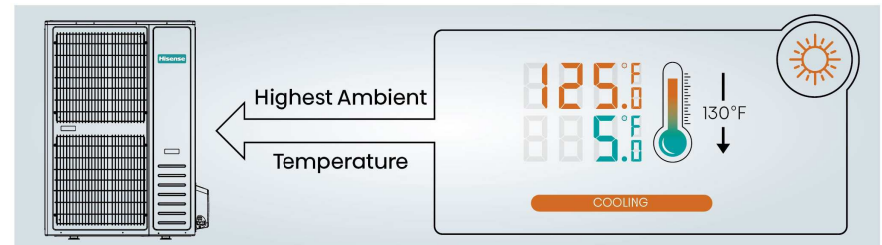
With high installation flexibility, systems can be installed in sites with piping of up to 75m(246ft) and height difference of up to 30m(98ft).



Wide Temperature Range

HEAT PUMP PRODUCT :

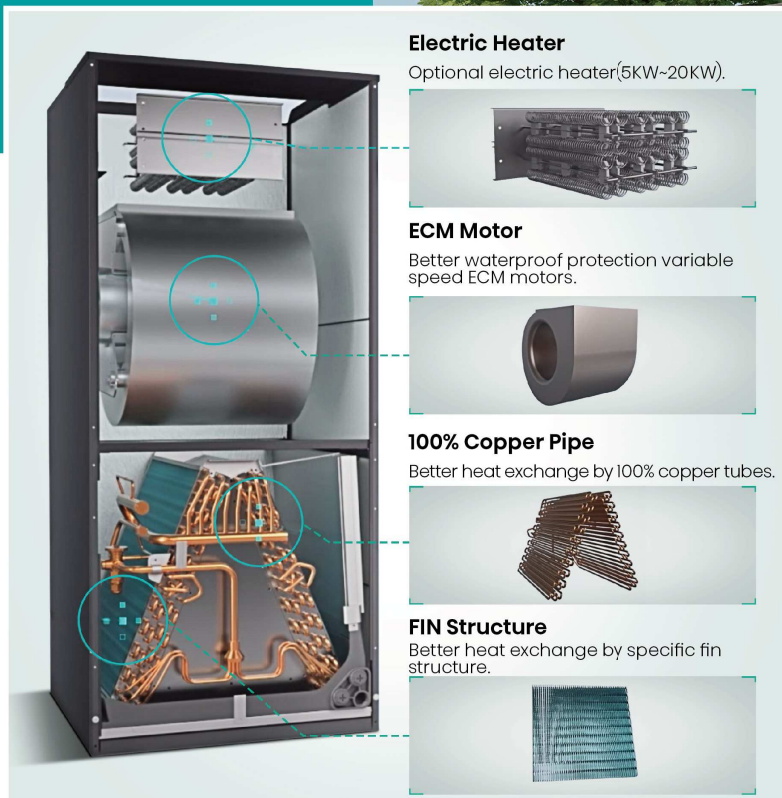
-13 ℉ (-25 ℃) Low Ambient Temperature for Heating, 5 ℉ (-15 ℃) Low Ambient Temperature for Cooling .



COOLING ONLY PRODUCT :

125 ℉ (52 ℃) as Highest Ambient Temperature for Cooling.

Air Handler Unit



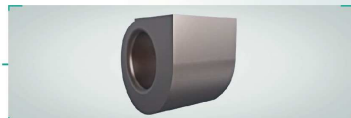
Electric Heater

Optional electric heater(5KW-20KW).



ECM Motor

Better waterproof protection variable speed ECM motors.



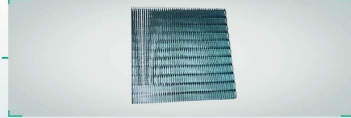
100% Copper Pipe

Better heat exchange by 100% copper tubes.



FIN Structure

Better heat exchange by specific fin structure.



Leakage Detection

Before installing the machine, use tool and press the part as the picture shown left to release the nitrogen from the evaporator coil. If no nitrogen release, the unit with leakage problem.



Maximum 0.8 In.W.C

Maximum 0.8 Inches W.C makes the minimum the temperature difference from different position and distance of the room.



Multi Positioning Installation

Multi positioning installation is able to fit in different type of projects and room structures.

Hi-ULTRA HD R410A Inverter ODU(Heat Pump)

Outdoor Model		AUWR-24U3S*	AUWR-36U3S*	AUWR-48U3S*	AUWR-60U3S*	
Gas		R410A	R410A	R410A	R410A	
Voltage, Frequency, phase		V-, Hz, ph	208-230/50-60/1	208-230/50-60/1	208-230/50-60/1	
Cooling Capacity (min-max)		Btu/h	24000 (6700-26000)	36000 (11800-36800)	48000 (18300-52000)	56000 (18300-59400)
Heating Capacity (min-max)		Btu/h	23000 (6700-26000)	35000 (8900-38200)	47000 (17600-52000)	56000 (17600-57500)
SEER2		Btu/(W·h)	17	18	17.5	17
HSPF2		Btu/(W·h)	8.3	9	8.5	8.5
Compressor Type		DC Inverter Twin Rotary				
Fan Motor Type		DC				
Outdoor noise level(sound pressure) Hi		dB(A)	54	57	59	60
Outdoor throttle type		EEV				
Refrigerant Piping	Liquid Side/Gas Side	mm(inch)	Φ9.52/Φ15.88 (3/8/5/8)	Φ9.52/Φ19.05 (3/8/3/4)	Φ9.52/Φ22.22 (3/8/7/8)	Φ9.52/Φ22.22 (3/8/7/8)
	Max. Pipe Length	m	50	75	75	75
		ft	164	246	246	246
	Max. Difference in Level	m	30	30	30	30
ft		98	98	98	98	
Outdoor Unit	Dimension(W×H×D)	mm	860×670×310	950×840×340	950×1386×340	950×1386×340
		inch	33-7/8×26-3/8×12-1/4	37-3/8×33×13-3/8	37-3/8×54-5/8×13-3/8	37-3/8×54-5/8×13-3/8
	Packing(W×H×D)	mm	990×730×450	1110×920×460	1110×1530×460	1110×1530×460
		inch	39×28-3/4×17-3/4	43-3/4×36-1/4×18-1/8	43-3/4×60-1/4×18-1/8	43-3/4×60-1/4×18-1/8
	Net Weight	kg	51	67	103	114
		lbs	112	148	227	251
	Shipping Weight	kg	55	72	115	126
		lbs	121	159	254	278
Operating Temperature Range	Cooling	°F	5-122	5-122	5-122	5-122
		°C	-15-50	-15-50	-15-50	-15-50
	Heating	°F	-13-75	-13-75	-13-75	-13-75
		°C	-25-24	-25-24	-25-24	-25-24
Loading capacity (outdoor)	20/40/40HQ	sets	90/186/186	52/106/106	26/53/53	26/53/53

*Due to our policy of continuous product innovation, some specifications may be changed without notification. Please contact our sales representative for more details.

Hi-ULTRA HD R410A Inverter ODU(Cooling Only)

Outdoor Model		AUWR-24T3S*	AUWR-36T3S*	AUWR-48T3S*	AUWR-60T3S*	
Gas		R410A	R410A	R410A	R410A	
Voltage, Frequency, phase		V-, Hz, ph	208-230/50-60/1	208-230/50-60/1	208-230/50-60/1	
Cooling Capacity		Btu/h	24000 (12700-28000)	35000 (18500-39000)	48000 (24300-56000)	54000 (24500-57000)
SEER2		Btu/(W·h)	17.5	17.5	18	18
Compressor Type		DC Inverter Twin Rotary				
Fan Motor Type		DC				
Outdoor noise level(sound pressure) Hi		dB(A)	55	59	60	60
Refrigerant Piping	Liquid Side/Gas Side	mm(inch)	Φ9.52/Φ15.88(3/8/5/8)	Φ9.52/Φ15.88(3/8/5/8)	Φ9.52/Φ22.22(3/8/7/8)	Φ9.52/Φ22.22(3/8/7/8)
	Max. Pipe Length	m	40	40	50	50
		ft	131	131	164	164
	Max. Difference in Level	m	20	20	30	30
ft		65.5	65.5	98	98	
Outdoor Unit	Dimension(W×H×D)	mm	860×670×310	900×750×340	950×1386×340	950×1386×340
		inch	33-7/8×26-3/8×12-1/4	35-3/8×29-1/2×13-3/8	37-3/8×54-5/8×13-3/8	37-3/8×54-5/8×13-3/8
	Packing(W×H×D)	mm	990×730×450	1040×830×460	1110×1530×460	1110×1530×460
		inch	39×28-3/4×17-3/4	41×32-5/8×18-1/8	43-3/4×60-1/4×18-1/8	43-3/4×60-1/4×18-1/8
	Net Weight	kg	45	53	93.5	94
	Shipping Weight	lbs	99.0	116.9	206.0	207.0
kg		49	57	105.5	106	
Operating Temperature Range	Cooling	°F	50-125	50-125	50-125	50-125
		°C	10-52	10-52	10-52	10-52
Loading Capacity(Outdoor)	20/40/40HQ	sets	90/186/186	54/110/165	26/53/53	26/53/53

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Hi-ULTRA HD R410A Inverter IDU(Universal)

Indoor Model		AUH-24UX3S*	AUH-36UX3S*	AUH-48UX3S*	AUH-60UX3S*	
Voltage, Frequency, phase		V-, Hz, ph	208-230/50-60/1	208-230/50-60/1	208-230/50-60/1	
Fan Motor	Type	ECM				
	HP	1/3	1/2	3/4	3/4	
ESP	Rated	in.W.C(Pa)	0.18 (45)	0.228 (57)	0.276 (70)	0.276 (70)
	Range	in.W.C(Pa)	0-0.8 (0-200)	0-0.8 (0-200)	0-0.8 (0-200)	0-0.8 (0-200)
Air flow (CFM)@Static pressure (IN.W.C)			800	1120	1588	1706
Noise Level (Sound Pressure) (Hi)		dB(A)	55	57	64	65
Indoor Coil Type		Copper tube and Hydrophilic aluminium fin				
Indoor Throttle Type		TXV				
Controller		universal 24V thermostat in the market				
Indoor Unit	Dimension (W×H×D)	mm	500×1170×550		560×1370×610	
		inch	19-5/8 × 46-1/8 × 21-5/8		22×53-7/8 × 24	
	Packing(W×H×D)	mm	570×1260×645		640×1410×710	
		inch	22-1/2×49-5/8×25-3/8		25-1/4×55-1/2×28	
	Net Weight	kg	61.5	63.5	85	85
		lbs	135.5	140	187.2	187.2
Shipping Weight	kg	72	74	97	97	
	lbs	158.6	163.1	214	214	
Loading Capacity(indoor)	20/40/40HQ	sets	36/72/144	36/72/144	39/78/102	39/78/102

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Line Up

Series	Capacity Type	9k	12k	18k	24k	36k	42k	48k	60k
		Air Handler Unit & Horizontal Discharge 60Hz/50Hz (HI-ULTRA HD R410A Inverter)	Indoor unit						
	Indoor unit								
	Heat Pump Outdoor unit								
	Cooling Only Outdoor unit								



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3, 5, 6, 8, & 10 KW

