

Hisense

Hisense
life reimagined

HISENSE
NORTH AMERICA HVAC

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<https://www.hisense-usa.com>
<https://www.hisensecomfort.com>

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Who is Hisense ?



Founded Hisense was founded in 1969 and has over 50 years of corporate history

Listed Hisense owns three listed companies

TOP 10 International Influence Enterprises in 2016

TOP 10 Overseas Chinese Brands in 2017-2022

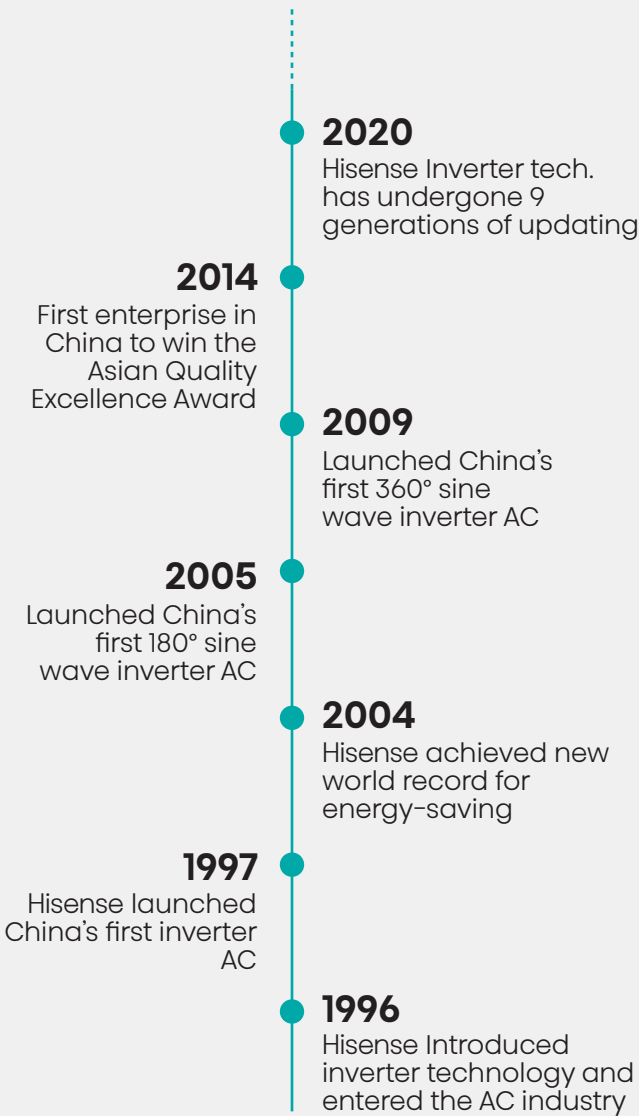
6 Consecutive Years Best Global Image Award in 2015-2020

UEFA Euro Official Partner of EURO 2016 and 2020

FIFA Official Sponsor of FIFA World Cup Brazil 2018 and Qatar 2022

Global Layout

Inverter Expert



Innovative R&D



90,000

Over 90,000 employees
worldwide

10,000

More than 10,000 engineering
and technical personnel

7,000

More than 7,000 doctorate
and master's degree holders

360

360 R&D engineers related to
DC inverter technology

300

Over 300 test
equipments

101

laboratories



Lean Manufacturing

Hisense air conditioners has a production capacity of

15 million sets, and its products are exported to more than
130 countries and regions around the world, with
multiple production bases, such as Qingdao,
Jiangmen, Huzhou, Thailand, Mexico (under construction), etc..

All production bases adopt **automated** production,
intelligent transportation systems, **advanced**
information software and **JIT** lean production concepts
to efficiently meet customer needs.

Produce all types of air conditioners, including
residential air conditioners, commercial air
conditioners, dehumidifiers and air purifiers.



Exceptional Quality

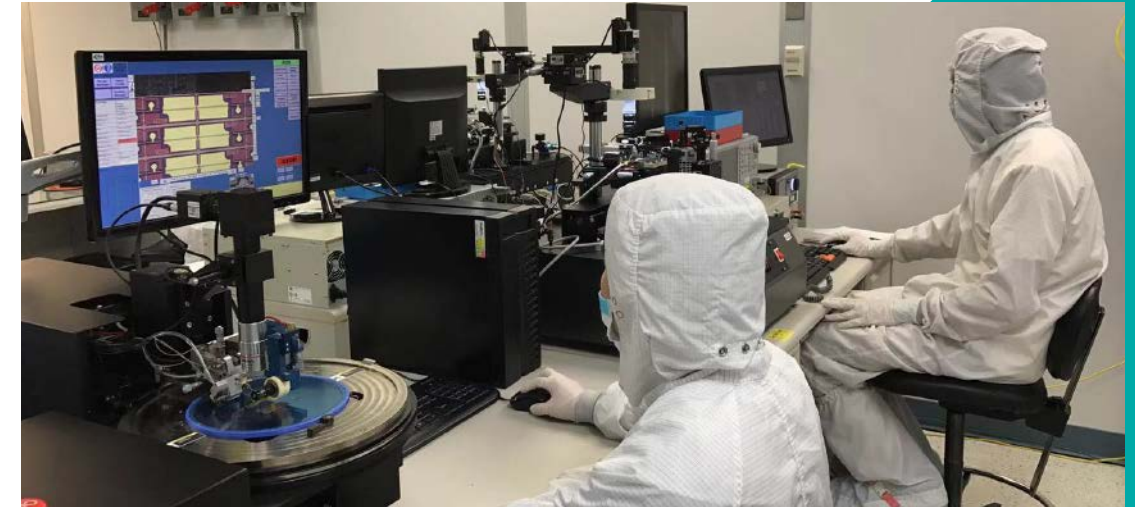
Strict quality control processes to product the best products

- Design Quality Assurance
- Incoming Quality Control
- Manufacturing Quality Assurance
- Outgoing Quality Control
- Supplier Quality Assurance

7S Hisense World-Class Quality Standard

- World-class Product R&d
- World-class Parts Procurement
- World-class Manufacturing
- World-class Product Technology
- World-class Quality Accreditation
- World-class Engineering Design
- World-class Installation Service

40 Global Quality Certifications



Sports Marketing

Hisense is the official sponsorship of the FIFA World Cup 2022™ is the latest in a long line of sporting tie-ups that demonstrate the company's competitive elevation. Sporting partnerships include sponsorship of the UEFA Euro 2016 and 2020 football tournaments, Australian Open tennis, NASCAR Xfinity Series, Red Bull Racing F1 team, Joe Gibbs Racing, and football clubs FC Schalke 04 of Germany and France's Paris Saint-Germain.

1 The Official Home Appliance Partner of the NBA

2 Global Official Sponsor of FIFA World Cup Qatar 2022™

3 Global Official Partner of UEFA EURO 2020™

4 Global Official Partner of FIFA World Cup Russia 2018™

5 Global Official Partner of PSG Football Club

6 Global Official Partner of UEFA EURO 2016™



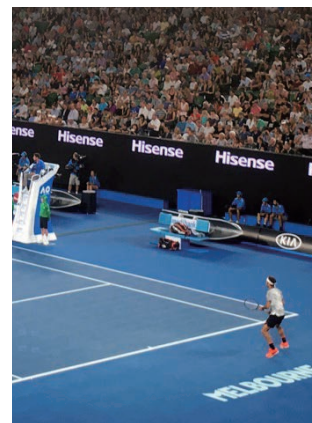
Official Partner of CBSL (2016-2017)



Official strategic partner of F1 Red Bull Racing(2015)



Official Partner of Joe Gibbs Racing



First Chinese brand sponsoring AO (2013); Title Sponsor of AO Venues-Hisense Arena (2008-2017)

REFERENCE PROJECT LIST



Firenze, Italy.

Light Commercial duct and cassette in the restaurant and living areas, RAC in the dressing rooms.



Rimini, Italy.

RAC installation mixed with Light Commercial duct and cassette.



Córdoba, Spain.

130 flats developed by Kronos Homes and called "Tribeka".



Málaga, Spain.

80 flats developed by Voltiam.



Belgrade, Serbia.

The Plot 21a of the Belgrade Waterfront.



Kolasin, Montenegro.

Hotel Bianca Resort & Spa.



Qatar

G+6 Residentia building.



Bucharest, Romania.

In cooperation with mit clima.

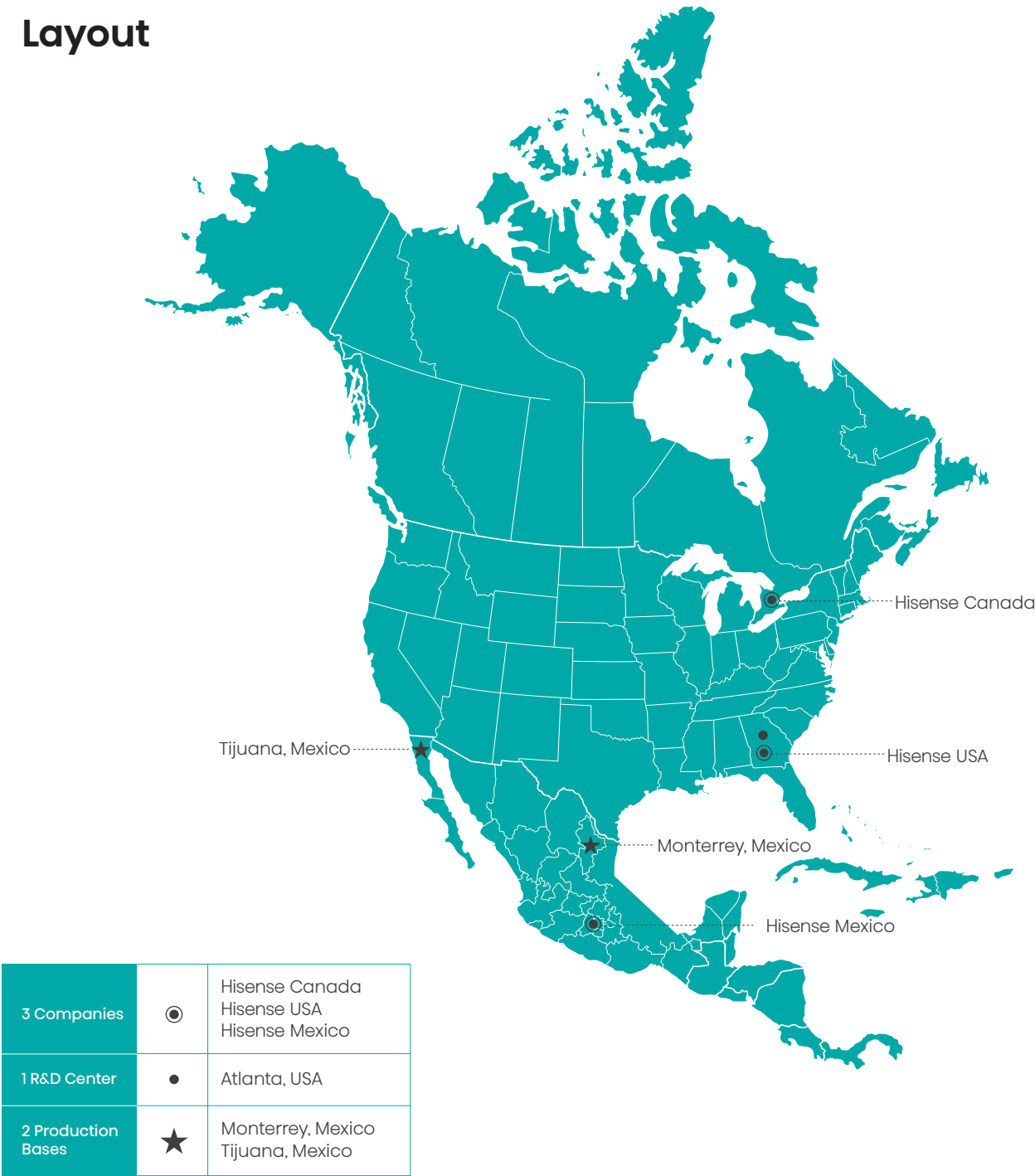


Suave

Gardenia Residence JVC.

Hisense's Development In NA

Layout



Hisense Club

Better Training and Service

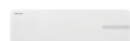
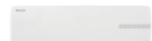
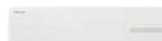
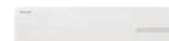
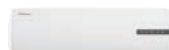
Hisense HVAC American Training Center, located in Atlanta, America. The training center conducts online and face-to-face training for customers all over North America. The exhibition area of the training center will display Hisense's latest HVAC products and technologies.



Exposition



Product Line Up

Series	Capacity Type	9k	12k	18k	24k	36k	42k	48k	60k
Hi-ULTRA HD R410A Inverter Air Handler Unit & Horizontal Discharge 60Hz/50Hz	Indoor unit								
	Heat Pump Outdoor unit								
	Cooling Only Outdoor unit								
Hi-MULTI Xtreme R410A Inverter Multi-Zone Split 60Hz/50Hz	Wall Mounted								
	Cassette								
	Duct								
	Outdoor Unit								
Hi-Uni Universal Single Zone Unit 60Hz/50Hz	Cassette								
	Duct								
	Wall Mounted								
	Outdoor unit								

Product Line Up

Series		Capacity		9K	12K	18K	24K	30K	36K
Mini Split	Hi-PRO	Up to SEER2 27.5 R410A Inverter	HP						
	Hi-ULTRA Xtreme	Up to SEER2 25 R410A Inverter	HP						
	Hi-ULTRA	Up to SEER2 23 R410A Inverter	CO&HP						
	Hi-EDGE	Up to SEER2 18 R410A Inverter	CO&HP						

01 Hi-ULTRA HD R410A Inverter



Central Ducted Split Systems

50Hz/ 60Hz



Multi Position



Leakage Detection



0.8 In.W.C. High ESP

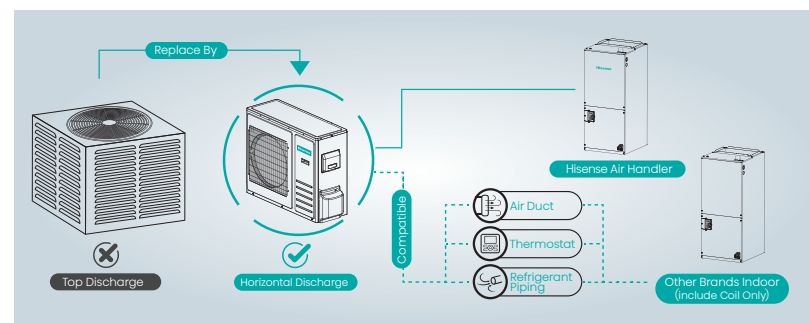


HD – Horizontal Discharge Outdoor



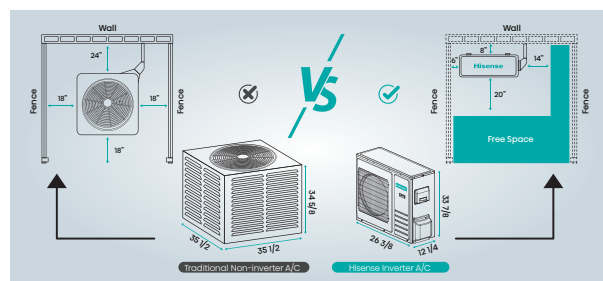
Flexible Replacement Solutions

Compatible with all 24V thermostats, for greater flexibility and ease of installation.



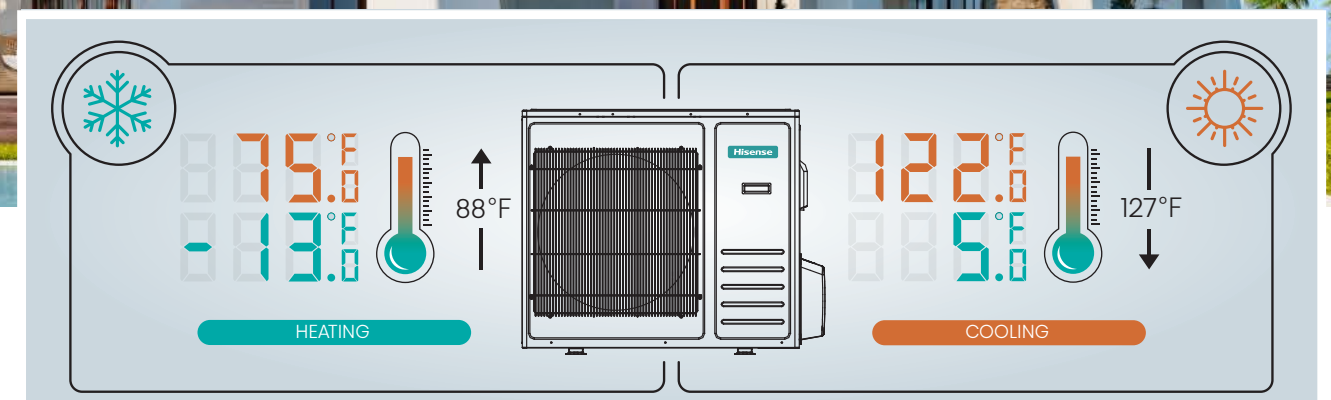
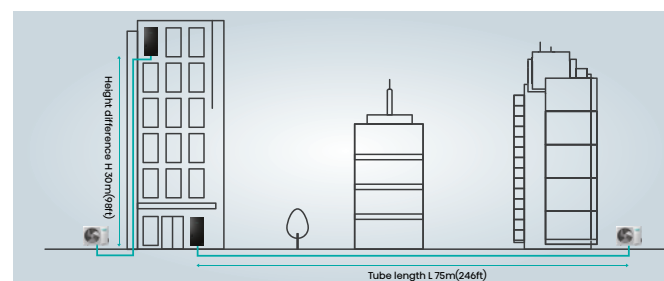
Slim Side Discharge Design

With a 40% reduction in footprint vs traditional systems, Hisense HD systems are discreet and free up space for other uses.



Long Piping Distance

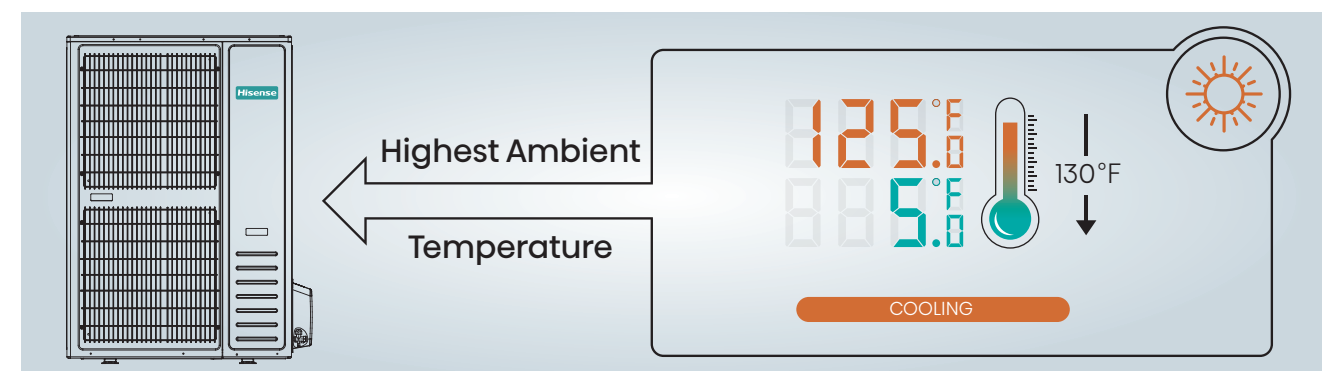
With high installation flexibility, the Hisense HD outdoor units can be installed in sites with piping of up to 246 ft (75m) and height difference of up to 98 ft (30m).



Wide Temperature Range

LOW TEMPERATURE HEATING :

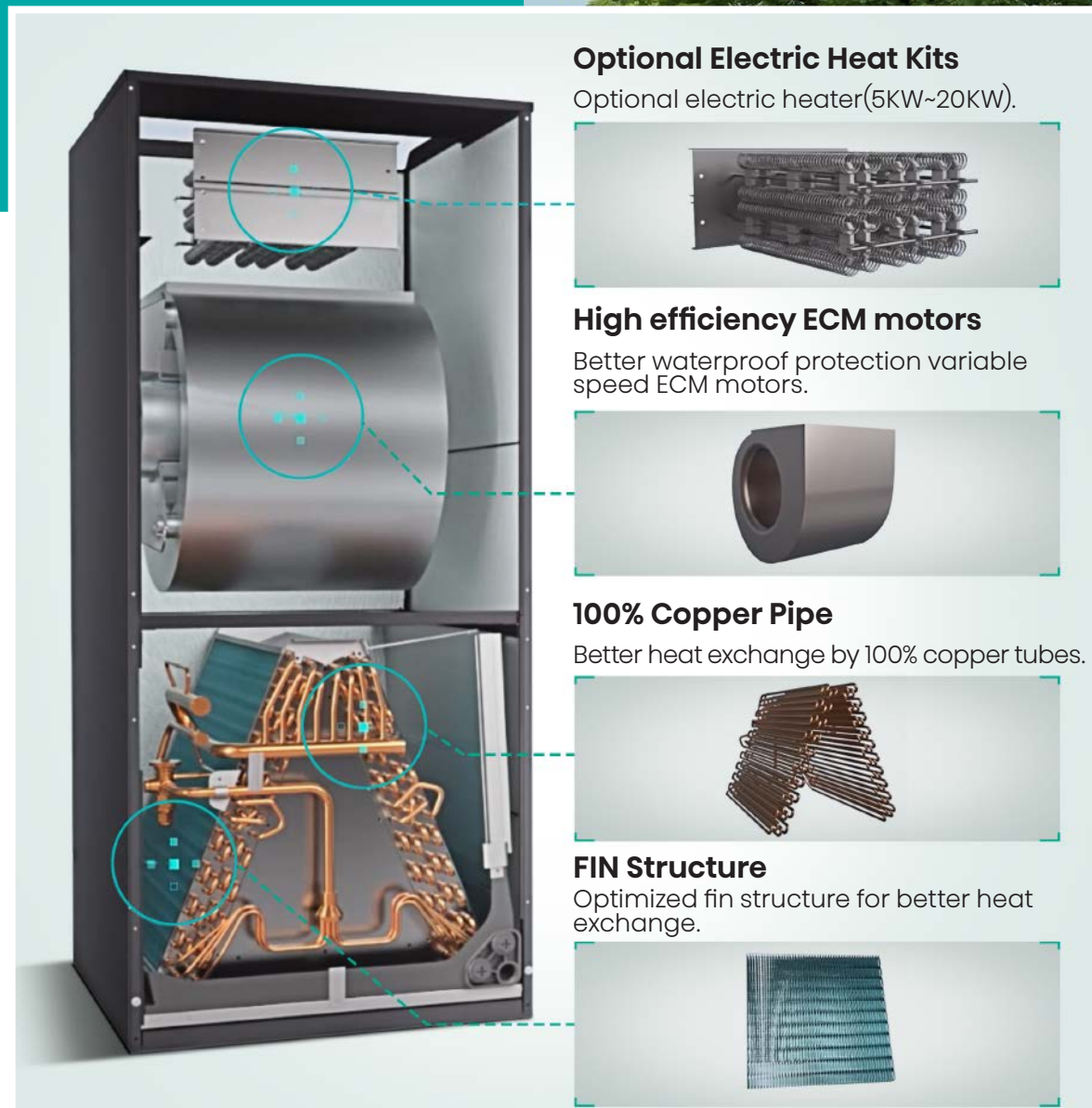
-13 °F (-25 °C) Low Ambient Temperature for Heating, 5 °F (-15 °C) Low Ambient Temperature for Cooling .



HIGH TEMPERATURE COOLING :

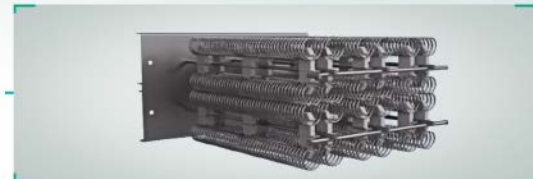
125 °F (52 °C) as Highest Ambient Temperature for Cooling.

Air Handler Unit



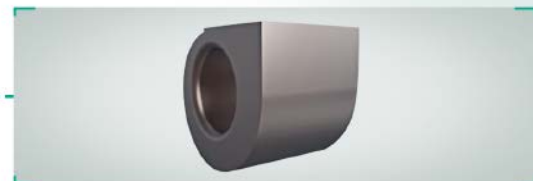
Optional Electric Heat Kits

Optional electric heater(5KW~20KW).



High efficiency ECM motors

Better waterproof protection variable speed ECM motors.



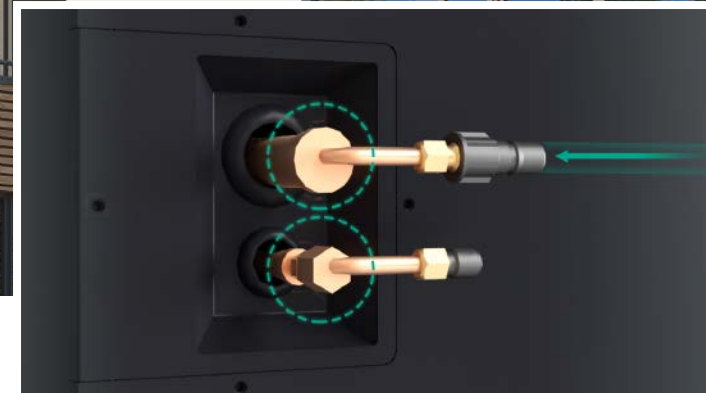
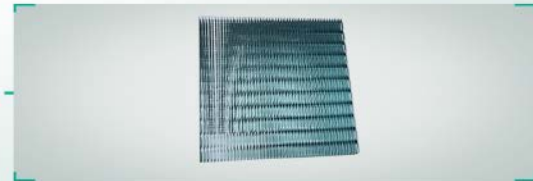
100% Copper Pipe

Better heat exchange by 100% copper tubes.



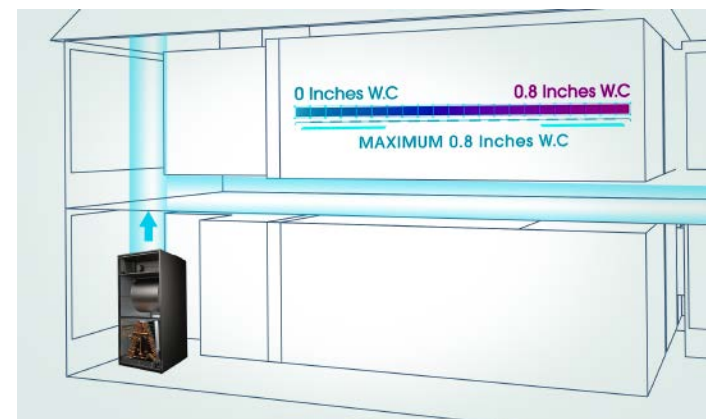
FIN Structure

Optimized fin structure for better heat exchange.



Leak Detection

Before installation, press valve button to release nitrogen from the evaporator coil. If nitrogen is released, the unit is leak-free.



Maximum 0.8 in ESP

Up to 0.8 in ESP for minimum temperature and airflow differential.



Multi Position Installation

Multi-position installation options: upflow, downflow, horizontal left, horizontal right.

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	208~230/50~60/1
Cooling Capacity (min-max)	Btu/h		22000 (6700~26000)	34000 (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)
EER2 at 95 ℉	Btu/(W•h)		10.1	10.1	10.1	8.25
SEER2	Btu/(W•h)		16.5	18	17.5	17
COP2 at 47 ℉	W/W		3.4	3.5	3.3	3.1
HSPF2	Btu/(W•h)		9	9.5	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)	Φ 9.52/Φ 15.88 (3/8'/5/8')	Φ 9.52/Φ 19.05 (3/8'/3/4')	Φ 9.52/Φ 22.22 (3/8'/7/8')	Φ 9.52/Φ 22.22 (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	Dimensions(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
	Cooling	℉	5-122	5-122	5-122	5-122
		℃	-15-50	-15-50	-15-50	-15-50
Operating Temperature Range	Heating	℉	-13-75	-13-75	-13-75	-13-75
		℃	-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

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	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	Dimensions(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
		lbs	99.0	116.9	206.0	207.0
	Shipping Weight	kg	49	57	105.5	106
		lbs	108.0	125.6	232.5	233.5
Operating Temperature Range	Cooling	℉	50~125	50~125	50~125	50~125
		℃	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

*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 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	208~230/50~60/1
Fan Motor	Type		ECM	ECM	ECM	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	Dimensions (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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02 Hi-MULTI Xtreme



Hi-MULTI **XTREME**

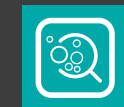
Multi Zone Systems
50Hz/ 60Hz



Long Piping



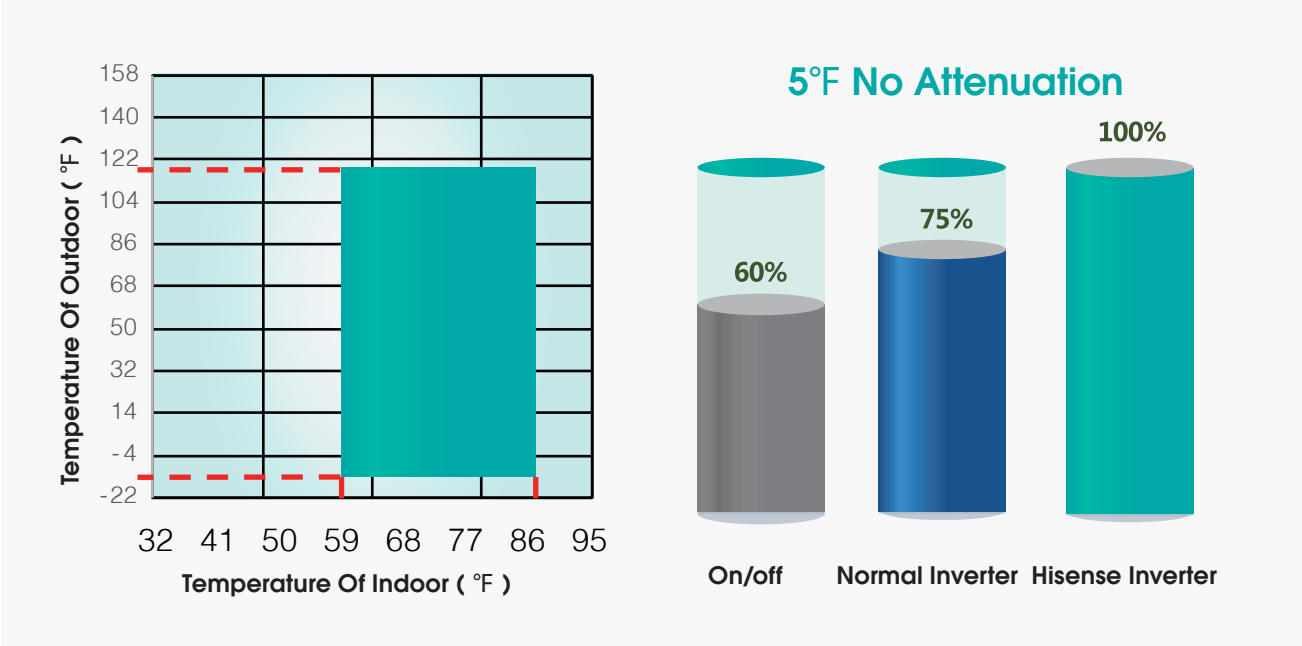
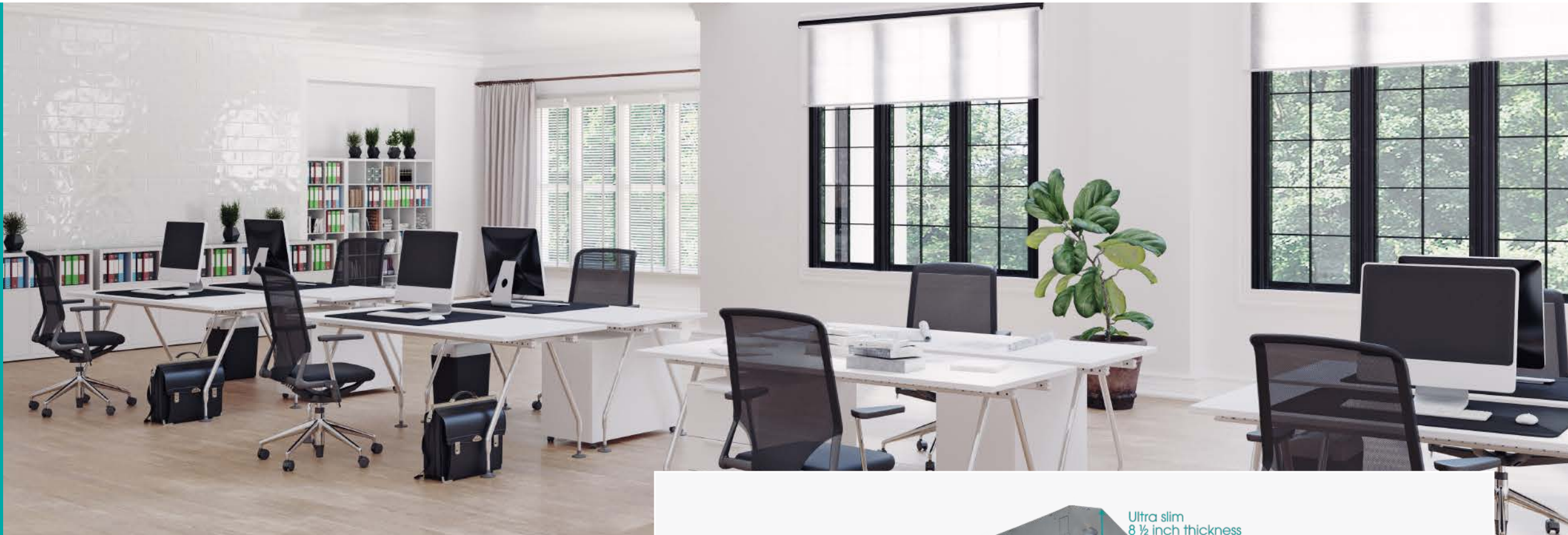
Compact Design



Leakage Detection

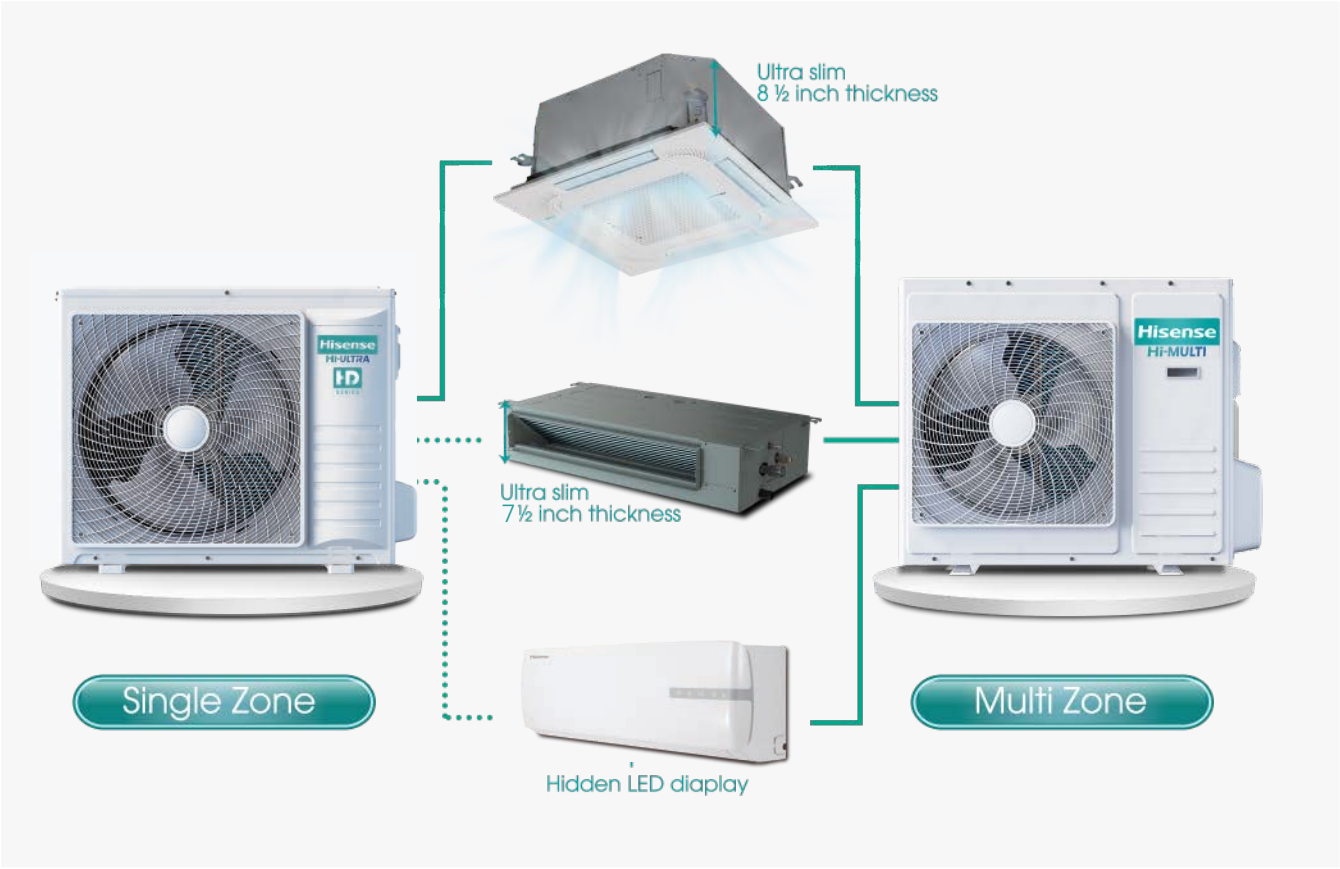


Multi Zone



Xtreme Cooling and Heating

-13°F (-25°C) Lowest Ambient Temperature For Heating, 14°F (-10°C) Lowest Ambient Temperature For Cooling. 100% heating 5°F (-15°C), 70% heating -13°F (-25°C).



Universal Indoor Unit For Single And Multi Systems

Multi Zone Systems



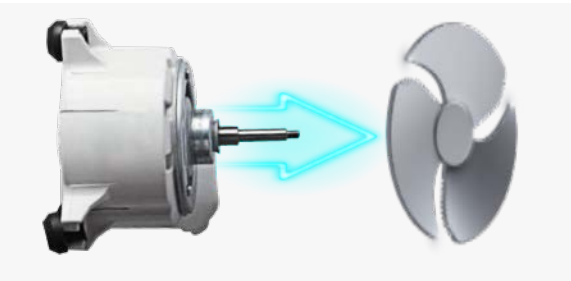
Model	Max Piping Length to Each IDU (ft)					Max Total Piping length for Each System(ft)
	A	B	C	D	E	
18K-2	82	82				164
24K-3	66	66	66			198
36K-4	66	66	66	66		246
42K-5	66	66	66	66	66	262



Smart Control Logic
 Guaranteed refrigerant distribution to each indoor unit, and balanced cooling and heating capacity in each room for improved comfort.



Compact Design
 Lighter and more compact units for easy installation, flexible installation, and increased packing and transportation space.



16 level DC Motor
 High efficiency brushless DC inverter motor. Brushless DC inverter motor is more 30% higher efficiency, for smooth start-up and lower noise than traditional motors.

Wall Mounted



4D Auto Swing

Horizontal and vertical Auto Swing to improve heat distribution and improve comfort.



Quiet Operation

Quiet operation of indoor and outdoor units provide a peaceful environment without disruption.



Wi-Fi Control

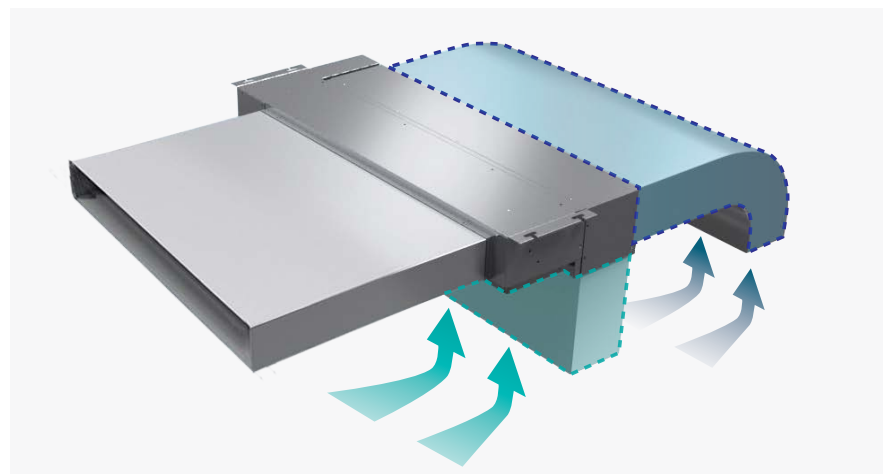
Control your air conditioner inside and outside your home from your Android or IOS device and ensure a comfortable environment from anywhere.

Ducted



Slim Design

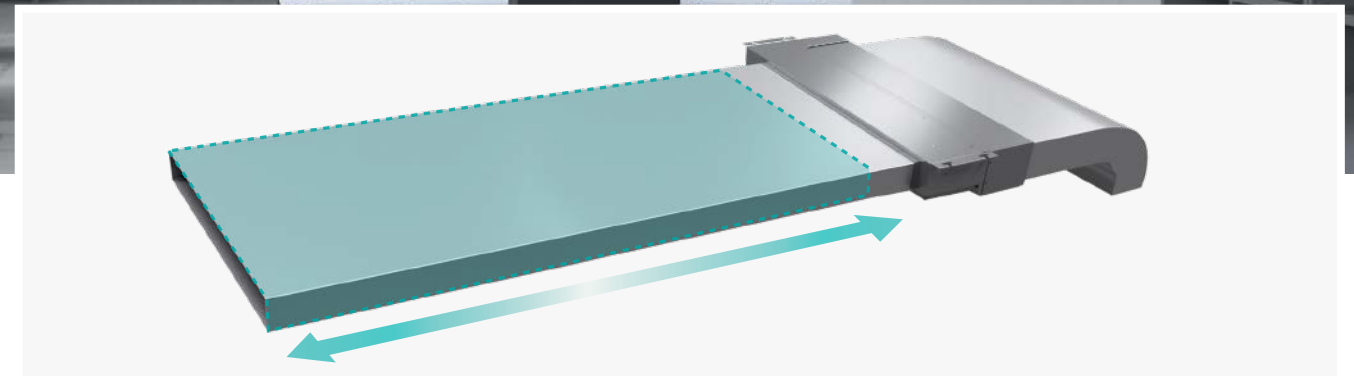
The slim duct unit, with a thickness of only 7.48in(190mm), provides flexible options in tight ceiling spaces. The external static pressure of up to 7.25×10^{-3} psi (50Pa) facilitates unit use with flexible ducts of varying lengths.



Flexible Installation

Air return direction can be altered from rear to bottom return, giving a choice between ducted or ductless with optional grill.

Note: Using rear return reduces sound levels by 5dB vs bottom return.



20.3×10^{-3} psi(140Pa) MSP Duct

With external static pressure of up to a maximum of 20.3×10^{-3} psi(140Pa) MSP Duct models are suitable for a wide range of application and building types.



Indoor Unit Visual Pressure

The evaporator is visually pressurized to ensure that there are no leaks in the internal machine. If the red needle is visible, it indicates that the pressure is in good condition and the system has no leakage.



Standard Water Level Switch

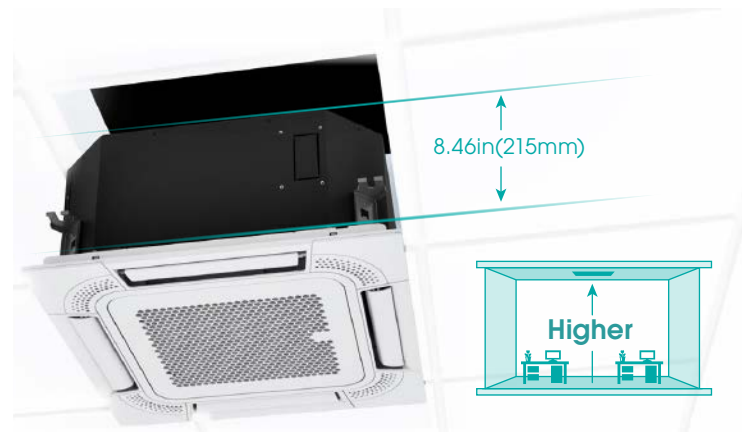
If the water pump has a problem and water rises above a certain level, the water level switch will automatically turn off the unit.

Cassette



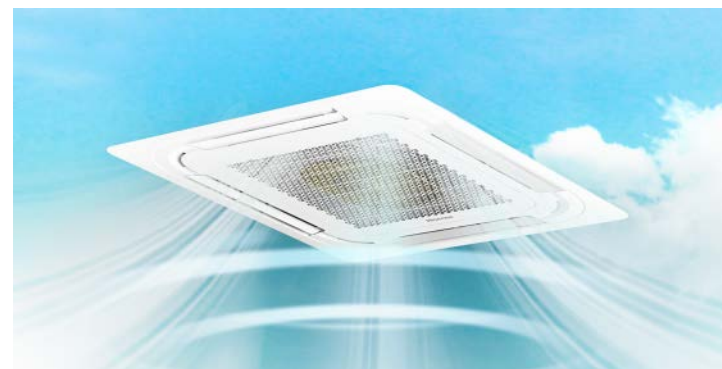
Compact Design

The compact design with cabinet thickness of only 8.46in(215mm) provides a flat surface for cleaner installations.



Round Flow

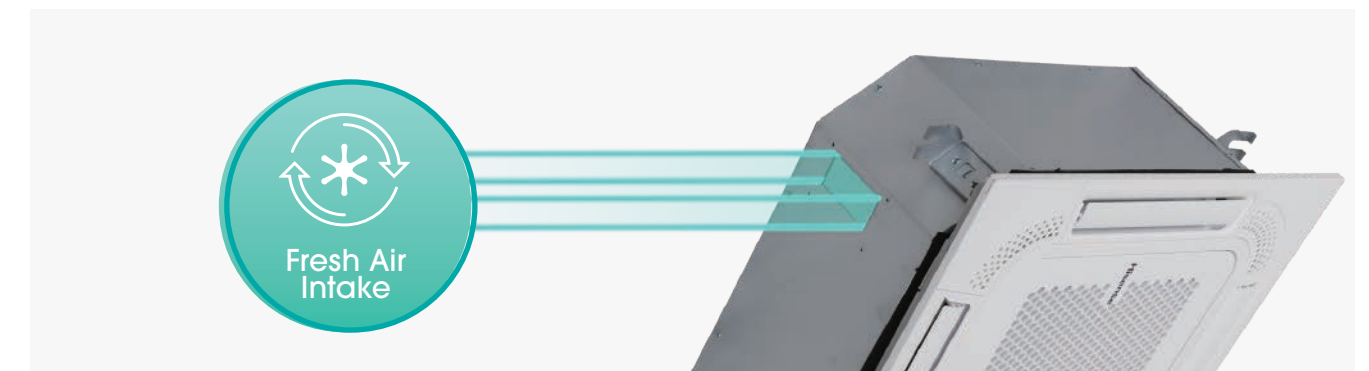
360°Round Flow can give optimum efficiency and comfort. Full-flat panel and micro-channel design allow smooth air supply and ensure Round Flow can provide optimum comfort and efficiency.



Fresh Air Intake

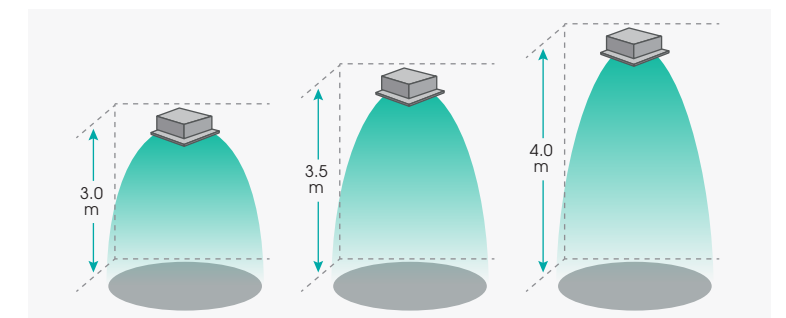
The function of Fresh Air Intake will introduce the outdoor fresh air into the room to improve indoor air quality.

Note: The proportion of fresh air volume cannot exceed 20% of the total design air volume.



High Ceiling

When the ceiling is high, the unit parameters can be set through the wired controller to compensate the installation height, so that the cool air can blow down to the activity area.





Hi-MULTI Xtreme R410A Inverter IDU

Duct Model			ADT-09UX3S*	ADT-12UX3S*	ADT-18UX3S*	ADT-24UX3S*
Voltage,Frequency,phase		V~,Hz,ph	208~230/50~60/1	208~230/50~60/1	208~230/50~60/1	208~230/50~60/1
Cooling Capacity		Btu/h	9000	12000	18000	24000
Heating Capacity		Btu/h	10000	12000	17500	26000
Range ESP.		Pa	0~50	0~50	0~50	0~100
		in-H ₂ O	0~0.2	0~0.2	0~0.2	0~0.4
Noise Level (Sound Pressure)		dB(A)	35/33/32	36/34/33	38/37/36	42/38/36
Indoor unit Dimensions	WxHxD	inch	35-7/8×7-1/2×17-5/8	35-7/8×7-1/2×17-5/8	46-1/2×7-1/2×17-5/8	35-3/8×10-5/8×28-3/8
Loading capacity	20'/40'/40HQ	sets	160/352/396	160/352/396	128/264/297	84/182/182

Cassette Model			ACT-09UR3S*	ACT-12UR3S*	ACT-18UR3S*	ACT-24UR3S*
Voltage,Frequency,phase		V~,Hz,ph	208~230/50~60/1	208~230/50~60/1	208~230/50~60/1	208~230/50~60/1
Cooling Capacity		Btu/h	9000	12000	18000	24000
Heating Capacity		Btu/h	10000	12000	18800	26000
Noise Level (Sound Pressure)		dB(A)	38/34/31	42/37/33	38/36/34	44/40/38
Indoor unit Dimensions (without panel)	WxHxD	inch	22-1/2×8-1/2×22-1/2	22-1/2×8-1/2×22-1/2	46-1/2×7-1/2×17-5/8	35-3/8×10-5/8×28-3/8
Loading capacity	20'/40'/40HQ	sets	140/298/330	140/298/330	72/144/168	72/144/168

Wall Mounted Model			AST-09UW3S*	AST-12UW3S*	AST-18UW3S*	AST-24UW3S*
Voltage,Frequency,phase		V~,Hz,ph	208~230/50~60/1	208~230/50~60/1	208~230/50~60/1	208~230/50~60/1
Cooling Capacity		Btu/h	9000	12000	18000	23400
Heating Capacity		Btu/h	9200	12000	19000	25800
Noise Level (Sound Pressure)		dB(A)	42/32/26	42/32/26	48/41/34	50/42/38
Indoor unit Dimensions	WxHxD	inch	36 3/4×10 5/8×8 1/4	36 3/4×10 5/8×8 1/4	47 3/4×12 7/16×9 5/16	47 3/4×12 7/16×9 5/16
Loading capacity	20'/40'/40HQ	sets	358/763/836	358/763/836	187/384/440	187/384/440

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Hi-MULTI Xtreme R410A Inverter ODU

Multi-Zone Outdoor			up to 2 indoor units	up to 3 indoor units	up to 4 indoor units	up to 5 indoor units
Model			AMW2-18U3S*	AMW3-24U3S*	AMW4-36U3S*	AMW5-42U3S*
Voltage,Frequency,phase		V~,Hz,ph	208~230/50~60/1	208~230/50~60/1	208~230/50~60/1	208~230/50~60/1
Cooling Capacity (95 °F) (MIN-MAX)		Btu/h	18000 (7500~24000)	24000 (8000~30200)	32000 (12000~42000)	42000 (9000~50000)
Heating Capacity (47 °F) (MIN-MAX)		Btu/h	18000 (5800~28700)	24000 (5200~37000)	36000 (8000~52000)	42000 (9000~52000)
Maximum Heating Capacity (5 °F)		Btu/h	18000	24000	36000	36000
SEER2		Btu/ (W•h)	21	22	21	20
HSPF2		Btu/ (W•h)	9.5	9.05	9	8.95
Compressor		Type	DC Inverter Rotary			
Fan Motor		Type	DC			
Throttle		Type	EEV	EEV	EEV	EEV
Outdoor noise level (sound pressure) Hi		dB(A)	55	59	59	63
Refrigerant Piping	Diameter(Liquid)	mm	6.35	6.35	6.35	6.35
		inch	1/4	1/4	1/4	1/4
	Diameter(Gas)	mm	9.52	9.52	9.52	9.52
		inch	3/8	3/8	3/8	3/8
	Max Length(Each)	m	25	20	20	20
		ft	82	66	66	66
	Max Length(Total)	m	50	60	75	80
		ft	164	197	246	262
	Max Height	m	15	15	15	15
		ft	49	49	49	49
Net Dimensions (WxHxD)		mm	860×670×310	950×840×340	950×1050×340	950×1050×340
		inch	33-7/8x26-3/8x12-1/4	37-3/8x33x13-3/8	37-3/8x41-3/8x13-3/8	37-3/8x41-3/8x13-3/8
Net Weight		kg	53	72	85.5	90
		lbs	116.8	158.7	188.5	198.4
Package Dimensions (WxDxH)		mm	990×450×730	1110×460×920	1110×460×1200	1110×460×1200
		inch	39x17-3/4x28-3/4	43-3/4x18-1/8x36-1/4	43-3/4x18-1/8x47-1/4	43-3/4x18-1/8x47-1/4
Gross Weight		kg	57	77	100	102
		lbs	125.6	169.5	220.5	224.5
Loading capacity	20'/40'/40HQ	sets	90/186/186	52/106/106	26/53/106	26/53/106

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Hi-Multi Allowable Combinations

AMW2-18U3SFA

ZONE 1	ZONE 2	Total Capacity (Btu/h)
07	07	18000
07	09	18000
07	12	18000
09	09	18000
09	12	18000
12	12	18000

AMW3-24U3SAA

ZONE 1	ZONE 2	ZONE 3	Total Capacity (Btu/h)
07	18		23000
09	18		23500
12	12		20000
12	18		24000
18	18		24000
07	07	07	21300
07	07	09	23100
07	07	12	24000
07	07	18	24000
07	09	09	24000
07	09	12	24000
07	09	18	24000
07	12	12	24000
07	12	18	24000
09	09	09	24000
09	09	12	24000
09	09	18	24000
09	12	12	24000
12	12	12	24000



AMW4-36U3STA

ZONE 1	ZONE 2	ZONE 3	ZONE 4	Total Capacity (Btu/h)
07	09	18		29400
07	09	24		32000
07	12	12		29400
07	12	18		32000
07	12	24		32000
07	18	24		32000
09	09	12		29700
09	09	18		30800
09	09	24		32000
09	12	12		30800
09	12	18		31400
09	12	24		32000
09	18	24		32000
12	12	12		31200
12	12	18		32000
12	12	24		32000
12	18	24		32000
07	07	07	07	28400
07	07	07	09	31000
07	07	07	12	31600
07	07	07	18	32000
07	07	07	24	32000
07	07	09	09	31600
07	07	09	12	32000
07	07	09	18	32000
07	07	09	24	32000
07	07	12	12	32000
07	07	12	18	32000
07	07	12	24	32000
07	09	09	09	32000
07	09	09	12	32000
07	09	09	18	32000
07	09	09	24	32000
07	09	12	12	32000
07	09	12	18	32000
07	09	12	24	32000
07	12	12	12	32000
07	12	12	18	32000
07	12	12	24	32000
09	09	09	09	32000
09	09	09	12	32000
09	09	09	18	32000
09	09	09	24	32000
09	12	12	12	32000
09	12	12	18	32000
12	12	12	12	32000
12	12	12	18	32000

Hi-Multi Allowable Combinations

AMW4-36U3STA

ZONE 1	ZONE 2	ZONE 3	ZONE 4	Total Capacity (Btu/h)	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	Total Capacity (Btu/h)
07	18	24		42000	09	09	12	24		42000
09	18	24		42000	09	09	18	24		42000
12	18	24		42000	09	12	12	12		42000
07	07	07	07	28000	09	12	12	18		42000
07	07	07	09	30000	09	12	12	24		42000
07	07	07	12	33000	09	12	18	24		42000
07	07	07	18	39000	12	12	12	12		42000
07	07	07	24	42000	12	12	12	18		42000
07	07	09	09	32000	07	07	07	07	07	35000
07	07	09	12	35000	07	07	07	07	09	37000
07	07	09	18	41000	07	07	07	07	12	41000
07	07	09	24	42000	07	07	07	07	18	42000
07	07	12	12	38000	07	07	07	09	09	39000
07	07	12	18	42000	07	07	07	09	12	42000
07	07	12	24	42000	07	07	07	09	18	42000
07	07	18	24	42000	07	07	07	09	24	42000
07	09	09	09	34000	07	07	07	12	12	42000
07	09	09	12	37000	07	07	07	12	18	42000
07	09	09	18	42000	07	07	09	09	09	41000
07	09	09	24	42000	07	07	09	09	12	42000
07	09	12	12	40000	07	07	09	09	18	42000
07	09	12	18	42000	07	07	09	12	12	42000
07	09	12	24	42000	07	07	12	12	12	42000
07	09	18	24	42000	07	09	09	09	09	42000
07	12	12	12	42000	07	09	09	09	12	42000
07	12	12	18	42000	07	09	09	09	18	42000
07	12	18	24	42000	07	09	09	12	12	42000
09	09	09	09	36000	07	09	12	12	12	42000
09	09	09	12	39000	09	09	09	09	09	42000
09	09	09	18	42000	09	09	09	09	12	42000
09	09	09	24	42000	09	09	09	09	18	42000
09	09	12	12	42000	09	09	09	12	12	42000
09	09	12	18	42000	09	09	12	12	12	42000

Indoor Units



Wall Mounted



Ducted

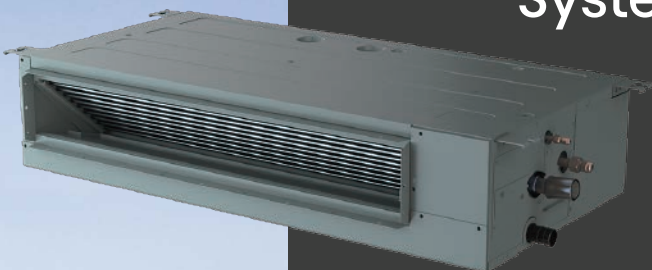


Cassette

03 Hi-UNI



Single Zone Systems 50Hz/ 60Hz



Duct



Slim Design



Water Level Switch



Built-in Drain Pump



Cassette



Slim Design



Fresh Air Intake



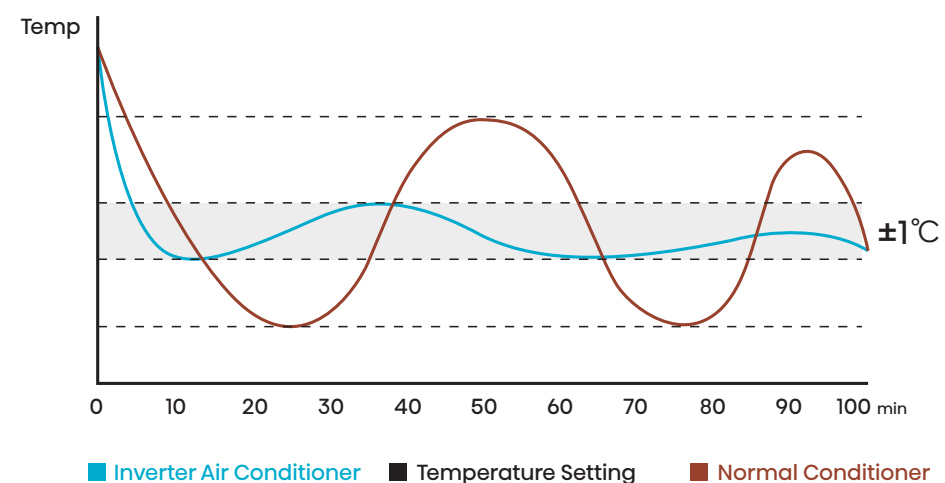
360° Round Flow

Single Zone Universal Systems



High Efficiency Twin Rotary DC Inverter Compressor

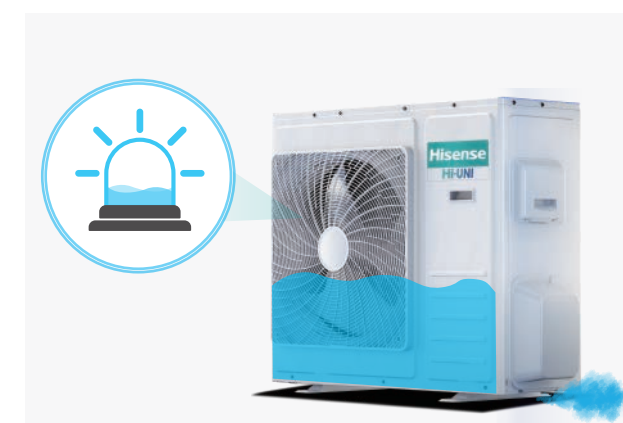
1. Reach the set temperature much more rapidly;
2. Inverter offers the highest part load efficiencies, saving power use by 30%.



Wide Temperature Range

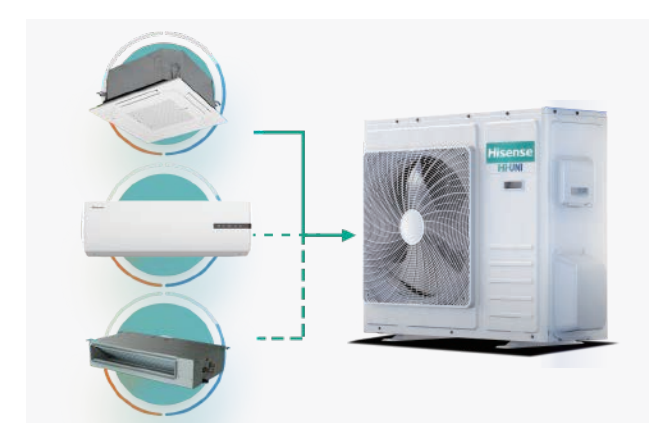
Cooling: 5°F ~ 118°F
 Heating: - 4°F ~ 75°F
 The wide temperature range can cover most countries and regions with T1 and T2 climates.

Note: Refer to the temperature range in specs for the specific model.



Leakage Alarm

The control system will send an error alarm and stop running when the refrigerant leakage ratio reaches a certain value to ensure safe operation of the air conditioner, especially for R32.



Universal outdoor unit for slim duct, cassette and wall mounted

The outdoor unit can be used to match with same capacity of slim duct, cassette or wall mounted, great helpful for the supplier, for improved inventory management



Hi-UNI Duct

Duct Model			ADT-09UX3SS*	ADT-12UX3SS*	ADT-18UX3SF*	ADT-24UX3SA*	AUD-36UX3ST*
Indoor Model			ADT-09UX3S*	ADT-12UX3S*	ADT-18UX3S*	ADT-24UX3S*	AUD-36UX3S*
Outdoor Model			AUW-09U3S*	AUW-12U3S*	AUW-18U3S*	AUW-24U3S*	AUW-36U3S*
Voltage,Frequency,phase		V~,Hz,ph	208~230/50~60/1	208~230/50~60/1	208~230/50~60/1	208~230/50~60/1	208~230/50~60/1
Cooling Capacity		Btu/h	9000	12000	18000	24000	36000
Cooling Capacity(MIN-MAX)		Btu/h	4850-11600	5800-13100	4200-21000	8500-27000	12500-37300
Heating Capacity		Btu/h	10000	12000	17500	26000	36000
Heating Capacity(MIN-MAX)		Btu/h	4340-12280	4400-14400	5600-24000	7600-28400	15000-39800
SEER2		Btu/(W•h)	18	19	19	18	17.5
HSPF2		Btu/(W•h)	9	9	9.5	9.5	9.5
Indoor Noise Level (Sound Pressure Hi/Med/Lo)		dB(A)	35/33/32	36/34/33	38/37/36	42/38/36	43/40/38
Outdoor Noise Level (Sound Pressure)		dB(A)	52	52	55	55	61
Indoor fan motor		Type	DC				
Outdoor fan motor			DC				
Compressor			DC Inverter Rotary				
Throttle			EEV				
ESP.	Range	Pa	0-50	0~50	0~50	25-100	25-140
Refrigerant Piping	Liquid Line OD	mm/inch	Φ 6.35/(1/4)	Φ6.35/(1/4)	Φ6.35(1/4)	Φ9.52(3/8)	Φ9.52(3/8)
	Vapor Line OD	mm/inch	Φ 9.52/(3/8)	Φ9.52/(3/8)	Φ12.7(1/2)	Φ15.88(5/8)	Φ19.05(3/4)
	Max. Pipe Length	Ft.	82	82	98	164	164
	Max. Difference in Level	Ft.	49	49	49	98	98
Indoor Unit	Dimensions (WxHxD)	mm	910×190×447	910×190×447	1180×190×447	900×270×720	1300×350×800
		in	35-7/8×7-1/2×17-5/8	35-7/8×7-1/2×17-5/8	46-1/2×7-1/2×17-5/8	35-3/8×10-5/8×28-3/8	51-1/8×13-3/4×31-1/2
	Packing(WxHxD)	mm	1080×285×565	1080×285×565	1350×285×565	1170×340×870	1550×410×940
		in	42-1/2×11-1/4×22-1/4	42-1/2×11-1/4×22-1/4	53-1/8×11-1/4×22-1/4	46-1/8×13-3/8×34-1/4	61×16-1/8×37
	Net Weight	kg	18	18	23	30	51
		lbs	40	40	49.6	66	112
	Shipping Weight	kg	21	21	26	35	60
		lbs	46	46	57	77	132
Outdoor Unit	Dimensions (WxHxD)	mm	810×580×280	810×580×280	860×670×310	950×840×340	950×1050×340
		in	31-7/8×22-7/8×11	31-7/8×22-7/8×11	33-7/8×26-3/8×12-1/4	37-3/8×33-1/8×13-3/8	37-3/8×41-3/8×13-3/8
	Packing(WxHxD)	mm	940×640×420	940×640×420	990×730×450	1110×920×460	1110×1200×460
		in	37×25-1/4×16-1/2	37×25-1/4×16-1/2	39×28-3/4×17-3/4	43-3/4×36-1/4×18-1/8	43-3/4×47-1/4×18-1/8
	Net Weight	kg	34	36	48	71	87
		lbs	75	79	106	155	192
	Shipping Weight	kg	38	40	52	76	99
		lbs	84	88	115	166	218
IDU Loading capacity 20'/40'/40HQ		sets	160/352/396	160/352/396	128/264/297	84/182/182	35/75/90
ODU Loading capacity 20'/40'/40HQ		sets	102/204/272	102/204/272	90/186/186	52/106/106	26/53/106

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Hi-UNI Cassette

Cassette Model			ACT-09UR3SS*	ACT-12UR3SS*	ACT-18UR3SF*	ACT-24UR3SA*	AUC-36UR3ST*
Indoor Model			ACT-09UR3S*	ACT-12UR3S*	ACT-18UR3S*	ACT-24UR3S*	AUC-36UR3S*
Panel Model			PE-EA-B29	PE-EA-B29	PE-DA-B29	PE-DA-B29	PE-DA-B29
Outdoor Model			AUW-09U3S*	AUW-12U3S*	AUW-18U3S*	AUW-24U3S*	AUW-36U3S*
Voltage,Frequency,phase		V~,Hz,ph	208~230/50~60/1	208~230/50~60/1	208~230/50~60/1	208~230/50~60/1	208~230/50~60/1
Cooling Capacity		Btu/h	9000	12000	18000	24000	36000
Cooling Capacity(MIN-MAX)		Btu/h	4850~11600	5800~13100	4200~21000	8600~25200	12600~36800
Heating Capacity		Btu/h	10000	12000	18800	26000	36000
Heating Capacity(MIN-MAX)		Btu/h	4340~12280	4400~14400	5600~24000	7600~28400	15000~42600
SEER2		Btu/h(W•h)	20.5	20.5	20.5	18.5	18
HSPF2		Btu/h(W•h)	10	9.5	10	10	9.8
Indoor Noise Level (Sound Pressure Hi/Med/Lo)		dB(A)	38/34/31	42/37/33	38/36/34	44/40/38	49/43/39
Outdoor Noise Level (Sound Pressure)		dB(A)	52	52	55	55	61
Indoor fan motor		Type	DC				
Outdoor fan motor		Type	DC				
Compressor		Type	DC Inverter Rotary				
Throttle		Type	EEV				
Refrigerant Piping	Liquid Line OD	mm/inch	Φ 6.35/(1/4)	Φ6.35/(1/4)	Φ6.35(1/4)	Φ9.52(3/8)	Φ9.52(3/8)
	Vapor Line OD	mm/inch	Φ 9.52/(3/8)	Φ9.52/(3/8)	Φ12.7(1/2)	Φ15.88(5/8)	Φ19.05(3/4)
	Max. Pipe Length	Ft.	82	82	98	164	164
	Max. Difference in Level	Ft.	49	49	49	98	98
Indoor Unit	Dimensions (WxHxD)	mm	570×215×570	570×215×570	840×248×840	840×248×840	840×298×840
		in	22-1/2×8-1/2×22-1/2	22-1/2×8-1/2×22-1/2	33-1/8×9-3/4×33-1/8	33-1/8×9-3/4×33-1/8	33-1/8×11-3/4×33-1/8
	Packing(DxWxH)	mm	730×668×292	730×668×292	996×956×370	996×956×370	996×956×420
		in	28-3/4 ×26-1/4 ×11-1/2	28-3/4 ×26-1/4 ×11-1/2	39-1/4 ×37-5/8 ×14-5/8	39-1/4 ×37-5/8 ×14-5/8	39-1/4 ×37-5/8 ×16-1/2
	Net Weight	kg	14.5	15.5	25	27	32
		lbs	32	34	56	59.5	70.5
	Shipping Weight	kg	17.5	18.5	34	36	41
		lbs	38.5	40.5	76	79.5	90.5
Cassette Panel	Dimensions (WxHxD)	mm	620x40x620	620x40x620	950x45x950	950x45x950	950x45x950
		in	24-3/8x1-5/8x24-3/8	24-3/8x1-5/8x24-3/8	37-3/8x1-3/4x37-3/8	37-3/8x1-3/4x37-3/8	37-3/8x1-3/4x37-3/8
	Packing(DxWxH)	mm	690×680×115	690×680×115	1025×1015×120	1025×1015×120	1025×1015×120
		in	27-1/8 ×26-3/4 ×4-1/2	27-1/8 ×26-3/4 ×4-1/2	40-3/8 ×40 × 4-3/4	40-3/8 ×40 × 4-3/4	40-3/8 ×40 × 4-3/4
	Net Weight	kg	2.6	2.6	6.5	6.5	6.5
		lbs	5.7	5.7	14.3	14.3	14.3
	Shipping Weight	kg	4.5	4.5	9.5	9.5	9.5
		lbs	9.9	9.9	20.9	20.9	20.9
Outdoor Unit	Dimensions (WxHxD)	mm	810×580×280	810×580×280	860×670×310	950×840×340	950×1050×340
		in	31-7/8×22-7/8×11	31-7/8×22-7/8×11	33-7/8×26-3/8×12-1/4	37-3/8×33-1/8×13-3/8	37-3/8×41-3/8×13-3/8
	Packing(WxHxD)	mm	940×640×420	940×640×420	990×730×450	1110×920×460	1110×1200×460
		in	37×25-1/4×16-1/2	37×25-1/4×16-1/2	39×28-3/4×17-3/4	43-3/4×36-1/4×18-1/8	43-3/4×47-1/4×18-1/8
	Net Weight	kg	34	36	48	71	87
		lbs	75	79	106	155	192
	Shipping Weight	kg	38	40	52	76	99
		lbs	84	88	115	166	218
IDU Loading capacity 20'/40'/40HQ		sets	140/298/330	140/298/330	60/120/144	60/120/144	60/120/144
ODU Loading capacity 20'/40'/40HQ		sets	102/204/272	102/204/272	90/186/186	52/106/106	26/53/106

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Hi-UNI Wall-Mounted

Wall-Mounted Model		AST-09UW3S*VE	AST-12UW3S*XE	AST-18UW3S*BB	AST-24UW3S*DB	AS-36UW3S*DK
Indoor Model		AST-09UW3S*	AST-12UW3S*	AST-18UW3S*	AST-24UW3S*	AS-36UW3S*
Outdoor Model		AUW-09U3S*	AUW-12U3S*	AUW-18U3S*	AUW-24U3S*	AUW-36U3S*
Voltage,Frequency,phase	V~,Hz,ph	208~230/50~60/1	208~230/50~60/1	208~230/50~60/1	208~230/50~60/1	208~230/50~60/1
Cooling Capacity	Btu/h	9000	12000	18000	23400	36000
Cooling Capacity(MIN-MAX)	Btu/h	3600-11500	4000-14500	6500-19500	8000-25000	12000-38000
Heating Capacity	Btu/h	9200	12000	19000	25800	36000
Heating Capacity(MIN-MAX)	Btu/h	3600-13000	4000-14000	6500-20000	8000-26500	12000-38000
SEER2	Btu/h(W•h)	22	21	22.5	20.5	16.5
HSPF2	Btu/h(W•h)	9	9	9.2	9	7.5
Indoor Noise Level (Sound Pressure Hi/Med/Lo)	dB(A)	42/32/26	42/32/26	48/41/34	50/42/38	52/46/41
Outdoor Noise Level (Sound Pressure)	dB(A)	53	53	55	58	60
Indoor fan motor	Type	DC				
Outdoor fan motor	Type	DC				
Compressor	Type	DC Inverter Rotary				
Throttle	Type	EEV				
Refrigerant Piping	Liquid Line OD	mm/inch	Φ 6.35/(1/4)	Φ 6.35/(1/4)	Φ 6.35(1/4)	Φ 9.52(3/8)
	Vapor Line OD	mm/inch	Φ 9.52/(3/8)	Φ 9.52/(3/8)	Φ 12.7(1/2)	Φ 15.88(5/8)
	Max. Pipe Length	Ft.	82	82	98	164
	Max. Difference in Level	Ft.	49	49	49	98
Indoor Unit	Dimensions (WxHxD)	mm	934×270×210	934×270×210	1213 × 315 × 238	1213 × 315 × 238
		in	36 3/4x10 5/8x8 1/4	36 3/4x10 5/8x8 1/4	47 3/4x12 7/16x9 5/16	47 3/4x12 7/16x9 5/16
	Packing(WxHxD)	mm	1000×335×260	1000×335×260	1290×392×318	1290×392×318
		in	39 3/8x13 3/16x10 1/4	39 3/8x13 3/16x10 1/4	50 3/4x15 7/16x15 1/2	50 3/4x15 7/16x15 1/2
	Net Weight	kg	9	9	15	15
		lbs	20	20	32	32
	Shipping Weight	kg	11	11	17	17
		lbs	24	24	38	38
Outdoor Unit	Dimensions (WxHxD)	mm	810×580×280	810×580×280	860×670×310	950×840×340
		in	31-7/8×22-7/8x11	31-7/8×22-7/8x11	33-7/8×26-3/8x12-1/4	37-3/8×33-1/8x13-3/8
	Packing(WxHxD)	mm	940×640×420	940×640×420	990×730×450	1110×920×460
		in	37×25-1/4x16-1/2	37×25-1/4x16-1/2	39×28-3/4x17-3/4	43-3/4×36-1/4x18-1/8
	Net Weight	kg	34	36	48	71
		lbs	75	79	106	155
	Shipping Weight	kg	38	40	52	76
		lbs	84	88	115	166
IDU Loading capacity 20'/40'/40HQ	sets	358/763/836	358/763/836	187/384/440	187/384/440	140/280/340
ODU Loading capacity 20'/40'/40HQ	sets	102/204/272	102/204/272	90/186/186	52/106/106	26/53/106

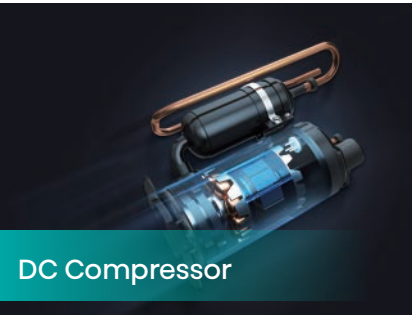
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04 Hi-PRO

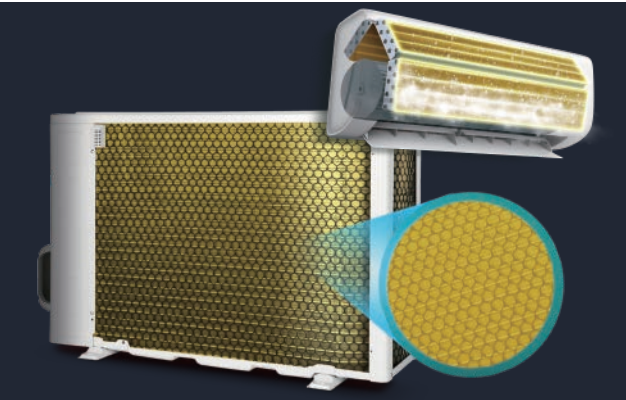
High Energy Efficiency

By using Full DC Compressor, EEV and enhanced fan motor technology, the system gains a significant boost in energy efficiency that reduce power consumption.



Gold Fin Anti-Corrosion

Gold Fin coating is tested for 1500 hours salt spray, 50% longer than standard coatings and Blue Fin treatment.



Wi-Fi Control

Control your air conditioner inside and outside your home from your Android or IOS device and ensure a comfortable environment from anywhere.



Model No.		AS-09UW3SXE**00	AS-12UW3SXA**00
Voltage, Frequency, Phase	V~,Hz,ph	208-230V, 60Hz, 1P	
Cooling Capacity	Btu/h	9000	12000
Heating Capacity	Btu/h	10000	12000
Cooling Capacity Range	Btu/h	3600-10000	4000-13500
Heating Capacity Range	Btu/h	3600-10500	4000-14000
SEER2	Btu/(W•h)	27.5	23.5
HSPF2	Btu/(W•h)	10.0	9.8
E-STAR__V6.1		Yes	Yes
Refrigerant		R410A	R410A
Indoor Sound Pressure(Higer/H/M/L/silence)	dB (A)	42/39/34/31/28	48/45/41/36/30
Liquid Pipe	inch	1/4	1/4
Gas Pipe	inch	3/8	3/8
Net Dimensions (WxHxD)	Indoor Unit mm	835×280×220	915×315×236
	Indoor Unit in	32 7/8×11×8 11/16	36×12 3/8×9 5/16
	Outdoor Unit mm	810×585×280	810×585×280
	Outdoor Unit in	31 7/8×23×11	31 7/8×23×11
Net Weight	Indoor Unit kg	9.0	13.0
	Outdoor Unit kg	34.0	38
Packing Dimensions (WxHxD)	Indoor Unit mm	870×335×265	1000×390×315
	Indoor Unit in	34 1/4×13 3/16×10 7/16	39 3/8×15 3/8×12 3/8
	Outdoor Unit mm	940×640×385	940×640×385
	Outdoor Unit in	37×25 3/16×15 3/16	37×25 3/16×15 3/16
Gross Weight	Indoor Unit kg	11.0	15.0
	Outdoor Unit kg	37	42
Loading Capacity (20/40/40'QL)		96/197/228	86/174/197
Approvals		ETL/AHRI	ETL/AHRI

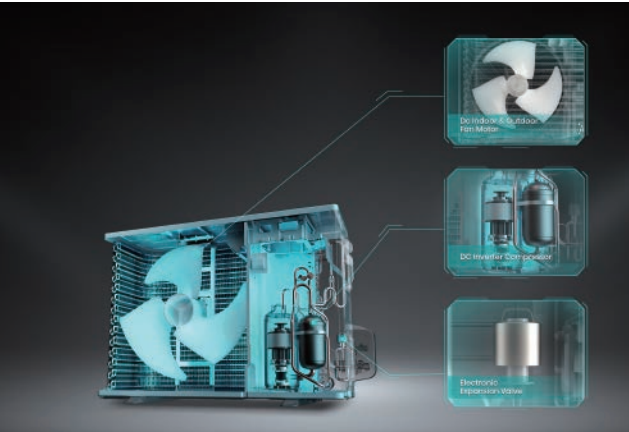
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05 Hi-ULTRA



Full DC Inverter

Digital control, DC Compressor, DC indoor motor. DC outdoor motor and DC Electronic expansion valve provides high efficiency and quiet operation.



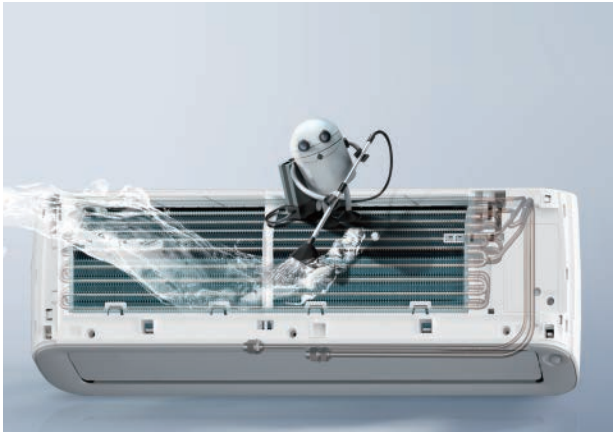
Smart Mode

The air conditioner can set the temperature and fan speed automatically based on the actual room temperature.



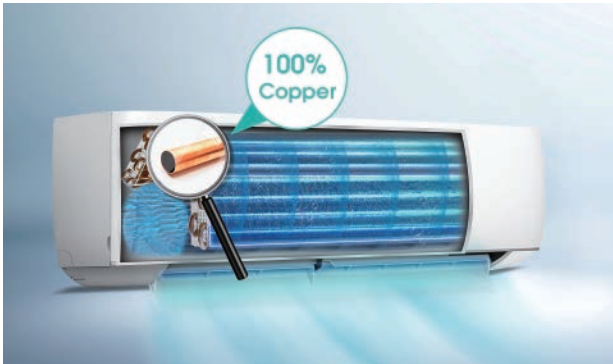
FrostClean

Patented FrostClean technology can effectively remove dust, mold, and bacteria for a deeper clean and healthier environment.



100% Copper

For corrosion resistance, high temperature and pressure operation, and improved reliability.



Hi-ULTRA Heat Pump

Model No.		AST-09UW3SVE**01	AST-12UW3SXE**01	AST-18UW3SBB**00	AST-24UW3SDB**01
Voltage, Frequency, Phase	V~,Hz,ph	208-230V, 60Hz, 1P			
Cooling Capacity	Btu/h	9000	12000	18000	23000
Heating Capacity	Btu/h	9000	12000	17000	23000
Cooling Capacity Range	Btu/h	3600-10000	4000-13500	6500-19500	8000-26000
Heating Capacity Range	Btu/h	3600-10500	4000-14000	6500-20000	8000-26000
SEER2	Btu/(W•h)	22.0	21.0	22.5	20.5
HSPF2	Btu/(W•h)	9.0	9.0	9.2	9.0
E-STAR__V6.1		Yes	Yes	Yes	Yes
Refrigerant		R410A	R410A	R410A	R410A
Indoor Sound Pressure(Higer/H/M/L/silence)	dB (A)	42/39/32/29/26	42/39/32/29/26	48/45/41/37/34	50/47/42/36/33
Outdoor Sound pressure	dB (A)	53	53	55	58
Liquid Pipe	inch	1/4	1/4	1/4	3/8
Gas Pipe	inch	3/8	3/8	1/2	5/8
Net Dimensions (WxHxD)	Indoor Unit mm	835×280×220	835×280×220	1100×325×244	1100×325×244
	Indoor Unit in	32 7/8×11×8 11/16	32 7/8×11×8 11/16	43 5/16×12 13/16×9 5/8	43 5/16×12 13/16×9 5/8
	Outdoor Unit mm	715×482×240	810×585×280	860×650×310	885×795×366
	Outdoor Unit in	28 1/8×19×9 7/16	31 7/8×23×11	33 7/8×25 9/16×12 3/16	34 7/8×31 5/16×14 3/8
Net Weight	Indoor Unit kg	8.5	9.0	14.5	14.5
	Outdoor Unit kg	27.0	33.0	45	61
Packing Dimensions (WxHxD)	Indoor Unit mm	870×335×265	870×335×265	1170×390×315	1170×390×315
	Indoor Unit in	34 1/4×13 3/16×10 7/16	34 1/4×13 3/16×10 7/16	46 1/16×15 3/8×12 7/16	46 1/16×15 3/8×12 7/16
	Outdoor Unit mm	830×530×340	940×640×385	995×730×445	1050×890×500
	Outdoor Unit in	32 11/16×20 7/8×13 3/8	37×25 3/16×15 3/16	39 3/16×28 3/4×17 1/2	41 11/32×35×19 11/16
Gross Weight	Indoor Unit kg	11.0	11.0	17.0	17.0
	Outdoor Unit kg	30	36	49	65.5
Loading Capacity (20/40/40'QL)		146/302/335	96/197/228	63/131/150	44/92/116
Approvals		ETL/AHRI	ETL/AHRI	ETL/AHRI	ETL/AHRI

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05 Hi-ULTRA



Hi-ULTRA Heat Pump Large Capacity

Model No.		AS-09UWISVE**00	AS-12UWISXE**00
Voltage, Frequency, Phase	V~,Hz,ph	115V, 60Hz, 1P	
Cooling Capacity	Btu/h	9000	12000
Heating Capacity	Btu/h	9000	12000
Cooling Capacity Range	Btu/h	3600-10000	4000-13500
Heating Capacity Range	Btu/h	3600-10500	4000-14000
SEER2	Btu/(W•h)	18.5	21.7
HSPF2	Btu/(W•h)	9.0	9.0
E-STAR__V6.l		Yes	Yes
Refrigerant		R410A	R410A
Indoor Sound Pressure(Higer/H/M/L/silence)	dB (A)	42/39/32/29/26	42/39/32/29/26
Outdoor Sound pressure	dB (A)	53	53
Liquid Pipe	inch	1/4	1/4
Gas Pipe	inch	3/8	3/8
Net Dimensions (WxHxD)	Indoor Unit mm	835×280×220	835×280×220
	Indoor Unit in	32 7/8×11×8 11/16	32 7/8×11×8 11/16
	Outdoor Unit mm	715×482×240	810×585×280
	Outdoor Unit in	28 1/8×19×9 7/16	31 7/8×23×11
Net Weight	Indoor Unit kg	9.0	9.0
	Outdoor Unit kg	29.5	35.5
Packing Dimensions (WxHxD)	Indoor Unit mm	870×335×265	870×335×265
	Indoor Unit in	34 1/4×13 3/16×10 7/16	34 1/4×13 3/16×10 7/16
	Outdoor Unit mm	830×530×340	940×640×385
	Outdoor Unit in	32 11/16×20 7/8×13 3/8	37×25 3/16×15 3/16
Gross Weight	Indoor Unit kg	11.0	11.0
	Outdoor Unit kg	31	38
Loading Capacity (20/40/40'QL)		146/302/335	96/197/228
Approvals		ETL/AHRI	ETL/AHRI

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Hi-ULTRA Cooling Only

Model No.		AS-09TW3SVE**	AS-12TW3SXE**	AS-18TW3SBB**	AS-24TW3SDB**
Voltage, Frequency, Phase	V~,Hz,ph	208-230V, 60Hz, 1P			
Cooling Capacity	Btu/h	9000	12000	18000	23400
Cooling Capacity Range	Btu/h	3600-10000	4000-13500	6500-19500	8000-26500
SEER2	Btu/(W•h)	20.0	21.0	22.5	20.0
Refrigerant	Cooling	R410A	R410A	R410A	R410A
Indoor Sound Pressure(Higer/H/M/L/silence)	dB (A)	40/38/32/29/26	42/39/32/29/26	50/45/41/37/34	50/48/45/40/36
Outdoor Sound pressure	dB (A)	53	53	55	58
Liquid Pipe	inch	1/4	1/4	1/4	3/8
Gas Pipe	inch	3/8	3/8	1/2	5/8
Net Dimensions (WxHxD)	Indoor Unit mm	835×280×220	835×280×220	1100×325×244	1100×325×244
	Indoor Unit in	32 7/8×11×8 11/16	32 7/8×11×8 11/16	43 5/16×12 13/16×9 5/8	43 5/16×12 13/16×9 5/8
	Outdoor Unit mm	715×482×240	810×585×280	860×650×310	885×795×366
	Outdoor Unit in	28 1/8×19×9 7/16	31 7/8×23×11	33 7/8×25 9/16×12 3/16	34 7/8×31 5/16×14 3/8
Net Weight	Indoor Unit kg	8.5	9.0	14.5	14.5
	Outdoor Unit kg	26.0	33.0	44	54
Packing Dimensions(WxHxD)	Indoor Unit mm	870×335×265	870×335×265	1170×390×315	1170×390×315
	Indoor Unit in	34 1/4×13 3/16×10 7/16	34 1/4×13 3/16×10 7/16	46 1/16×15 3/8×12 7/16	46 1/16×15 3/8×12 7/16
	Outdoor Unit mm	830×530×340	940×640×385	995×730×445	1050×890×500
	Outdoor Unit in	32 11/16×20 7/8×13 3/8	37×25 3/16×15 3/16	39 3/16×28 3/4×17 1/2	41 11/32×35×19 11/16
Gross Weight	Indoor Unit kg	11.0	11.0	17.0	17.0
	Outdoor Unit kg	29	36	48	62
Loading Capacity (20/40/40'QL)		146/302/335	96/197/228	63/131/150	44/92/116
Approvals		ETL/AHRI	ETL/AHRI	ETL/AHRI	ETL/AHRI

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06 Hi-ULTRA Xtreme



Heating at -22°F

Provides heat at -22F ambient through our intelligent preheating technology and electric heating chassis technology.



FrostClean

Patented FrostClean technology can effectively remove dust, mold, and bacteria for a deeper clean and healthier environment.



Wi-Fi Control

Control your air conditioner inside and outside your home from your Android or IOS device and ensure a comfortable environment from anywhere.



Hi-ULTRA Xtreme Heat Pump



Model No.		AST-09UW3SXE**01	AST-12UW3SXE**02	AST-18UW3SBB**01	AS-24UW3SKK**00
Voltage, Frequency, Phase	V~,Hz,ph	208-230V, 60Hz, 1P			
Cooling Capacity	Btu/h	9000	12000	18000	24000
Heating Capacity (47°F)	Btu/h	10000	12000	19000	26000
Heating Capacity (17°F)	Btu/h	5500	6800	10500	15500
Heating Capacity (5°F)	Btu/h	7000	8400	13300	18200
Heating Capacity (-5°F)	Btu/h	8500	9500	15000	19500
Heating Capacity (-13°F)	Btu/h	7000	7500	14000	15000
Cooling Capacity Range	Btu/h	3000-12000	3000-14000	4500-20000	5500-25000
Heating Capacity Range(47°F)	Btu/h	3000-14000	3000-16000	5500-23000	6000-27000
Heating Capacity Range(-22°F)	Btu/h	4000-5500	5000-6000	9000-12000	10000-15000
SEER2	Btu/(W•h)	25	23.5	20.5	21
HSPF2	Btu/(W•h)	10.5	9.5	9.5	10
Indoor Sound Pressure(Higer/H/M/L/silence)	dB(A)	42/39/35/32/29	42/40/36/32/29	48/45/41/39/35	53/50/47/45/42
Outdoor Noise Level	dB(A)	53	53	58	61
Net Dimensions (WxHxD)	Indoor Unit mm	850×270×206	850×270×206	1131×315×227	1286×346×262
	Indoor Unit in	33 1/2×10 5/8×8 1/8	33 1/2×10 5/8×8 1/8	44 1/2×12 3/8×8 7/8	50 3/8×14 3/16×10 1/4
	Outdoor Unit mm	810×280×585	810×280×585	860×310×650	900×340×750
	Outdoor Unit in	31 7/8×11×23	31 7/8×11×23	33 7/8×12 1/4×25 5/8	35 3/8×13 1/2×29 1/2
Net Weight	Indoor Unit kg	8.5	8.5	13.5	18.2
	Outdoor Unit kg	33	33	46	60
Packing Dimensions(WxHxD)	Indoor Unit mm	900×335×260	900×335×260	1194×310×380	1385×435×325
	Indoor Unit in	35 7/16×13 3/16×10 2/8	35 7/16×13 3/16×10 2/8	47×12 1/4×15	54 1/2×17 1/8×12 13/16
	Outdoor Unit mm	940×385×640	940×385×640	995×445×730	1060×450×820
	Outdoor Unit in	37×15 3/16×25 3/16	37×15 3/16×25 3/16	39 1/8×17 1/2×28 3/4	41 3/4×17 3/4×32 1/4
Gross Weight	Indoor Unit kg	10.5	10.5	16	22.8
	Outdoor Unit kg	36	36	50	64
Operation Temperature	Indoor (Cooling/Heating) °C	17~32/0~30	17~32/0~30	17~32/0~30	17~32/0~30
	Indoor (Cooling/Heating) °F	62~90/32~86	62~90/32~86	62~90/32~86	62~90/32~86
	Outdoor (Cooling/Heating) °C	-15~46/-30~24	-15~46/-30~24	-15~46/-30~24	-15~46/-30~24
	Outdoor (Cooling/Heating) °F	5~115/-22~75	5~115/-22~75	5~115/-22~75	5~115/-22~75
Loading Capacity (20/40/40'QL)		96/197/228	96/197/228	60/128/148	48/100/114
Approvals		ETL/AHRI	ETL/AHRI	ETL/AHRI	ETL/AHRI

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07 Hi-EDGE



I FEEL

The air conditioner can sense the temperature through the remote a remote and adjust the cooling capacity.



Quiet Operation

Quiet operation of indoor and outdoor units provide a peaceful environment without disruption.



Smart Mode

The air conditioner can set the temperature and fan speed are automatically based on the actual room temperature.



4D Auto Swing

Horizontal and vertical Auto Swing to improve heat distribution and improve comfort.



Hi-EDGE Heat Pump

Model No.		AS-09UW3SVD**00	AS-12UW3SVE**	AS-18UW3SXA**	AS-24UW3SBB**
Voltage, Frequency, Phase		V~,Hz,ph			
Cooling Capacity		Btu/h	9,000	12,000	18,000
Heating Capacity		Btu/h	10,000	12,500	20,000
Cooling Capacity Range		Btu/h	4500-10000	5500-13500	6500-19500
Heating Capacity Range		Btu/h	4500-10000	5500-13500	6000-21500
SEER2		Btu/(w·h)	16.0	16.0	17.0
HSPF2		Btu/(w·h)	8.0	8.0	8.0
Refrigerant		R410A			
Indoor Sound Pressure(Higer/H/M/L/silence)		dB (A)	42/39/36/33/26	42/40/36/33/26	46/45/43/38/35
Outdoor Sound pressure		dB (A)	54	54	56
Compressor type		Rotary			
Expansion Device		Capillary			
Indoor DC motor		No			
Outdoor DC motor		No			
Evaporator materia		Copper tube and Aluminum Fin			
Condenser materiall		Copper tube and Aluminum Fin			
Liquid Pipe		inch	1/4	1/4	3/8
Gas Pipe		inch	3/8	3/8	5/8
Net Dimensions (WxHxD)	Indoor Unit mm	745×270×214	815×270×214	915×315×236	1085×315×236
	Indoor Unit in	29 5/16x10 5/8x8 7/16	32 1/16x10 5/8x8 7/16	36x12 3/8x9 5/16	42 3/4x12 3/8x9 5/16
	Outdoor Unit mm	715×482×240	715×482×240	810×585×280	860×650×310
	Outdoor Unit	28 1/8x19x9 7/16	28 1/8x19x9 7/16	31 7/8x23x11	33 7/8x25 9/16x12 3/16
Net Weight	Indoor Unit kg	8.5	9.0	12.5	15
	Outdoor Unit kg	25	27.0	39	50
Packing Dimensions (WxHxD)	Indoor Unit mm	800×335×265	870×335×265	1000×390×315	1170×390×315
	Indoor Unit in	31 1/2x13 3/16x10 7/16	34 1/4x13 3/16x10 7/16	39 3/8x15 3/8x12 3/8	46 1/16x15 3/8x12 7/16
	Outdoor Unit mm	830×530×340	830×530×340	940×640×385	995×730×445
	Outdoor Unit	32 11/16x20 7/8x13 3/8	32 11/16x20 7/8x13 3/8	37x25 3/16x15 3/16	39 3/16x28 3/4x17 1/2
Gross Weight	Indoor Unit kg	10	11.0	14.5	17.0
	Outdoor Unit kg	27	30	42	54.0
Loading Capacity (20/40/40'QL)		153/315/345	146/302/335	86/174/197	63/131/150
Approvals		ETL/AHRI	ETL/AHRI	ETL/AHRI	ETL/AHRI

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Hi-EDGE Heat Pump Large Capacity

Model No.		AS-30UW3SDK**	AS-36UW3SDK**02
Voltage, Frequency, Phase	V~,Hz,ph	208-230V, 60Hz, 1P	
Cooling Capacity	Btu/h	30000	35,000
Heating Capacity	Btu/h	31000	35,000
Cooling Capacity Range	Btu/h	11500-33500	12000--38000
Heating Capacity Range	Btu/h	11500-33500	12000--38000
SEER2	Btu/(w·h)	18.5	16.5
HSPF2	Btu/(w·h)	9	7.5
Refrigerant		R410A	R410A
Indoor Sound Pressure(Higer/H/M/L/silence)	dB (A)	53/50/45/40/38	52/50/45/40/38
Outdoor Sound pressure	dB (A)	60	60
Compressor type		Rotary	Rotary
Expansion Device		EEV	EEV
Indoor DC motor		Yes	Yes
Outdoor DC motor		Yes	Yes
Evaporator materia		Copper tube and Aluminum Fin	
Condenser materiall		Copper tube and Aluminum Fin	
Liquid Pipe	inch	3/8	3/8
Gas Pipe	inch	5/8	5/8
Net Dimensions (WxHxD)	Indoor Unit mm	1280×360×260	1280×360×260
	Indoor Unit in	50 3/8×14 3/16×10 1/4	50 3/8×14 3/16×10 1/4
	Outdoor Unit mm	885×795×366	885×795×366
	Outdoor Unit	34 7/8×31 5/16×14 3/8	34 7/8×31 5/16×14 3/8
Net Weight	Indoor Unit kg	18.0	18.5
	Outdoor Unit kg	58	64
Packing Dimensions (WxHxD)	Indoor Unit mm	1385×435×325	1385×435×325
	Indoor Unit in	54 1/2×17 1/8×12 13/16	54 1/2×17 1/8×12 13/16
	Outdoor Unit mm	1050×890×500	1050×890×500
	Outdoor Unit	41 11/32×35×19 11/16	41 11/32×35×19 11/16
Gross Weight	Indoor Unit kg	21.5	22.0
	Outdoor Unit kg	63	69
Loading Capacity (20/40/40'QL)		40/86/104	40/86/104
Approvals		ETL/AHRI	ETL/AHRI

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Hi-EDGE Cooling Only

Model No.		AS-09TW3SVD**	AS-12TW3SVE**	AS-18TW3SXA**	AS-24TW3SBB**
Voltage, Frequency, Phase	V~,Hz,ph	208-230V, 60Hz, 1P			
Cooling Capacity	Btu/h	9000	12000	18000	24000
Cooling Capacity Range	Btu/h	4500-10000	5500-13500	6500-19500	8000-26500
SEER2	Btu/(w·h)	16.0	16.5	17.5	16.5
Refrigerant		R410A	R410A	R410A	R410A
Indoor Sound Pressure(Higer/H/M/L/silence)	dB (A)	42/39/36/33/26	42/40/36/33/26	46/45/43/38/35	48/45/43/40/36
Outdoor Sound pressure	dB (A)	53	54	56	58
Compressor type		Rotary	Rotary	Rotary	Rotary
Expansion Device		Capillary	Capillary	Capillary	Capillary
Indoor DC motor		No	No	No	Yes
Outdoor DC motor		No	No	No	No
Evaporator material		Copper tube and Aluminum Fin			
Condenser material		Copper tube and Aluminum Fin			
Liquid Pipe	inch	1/4	1/4	1/4	3/8
Gas Pipe	inch	3/8	3/8	1/2	5/8
Net Dimensions (WxHxD)	Indoor Unit mm	745×270×214	815×270×214	915×315×236	1085×315×236
	Indoor Unit in	29 5/16×10 5/8×8 7/16	32 1/16×10 5/8×8 7/16	36×12 3/8×9 5/16	42 3/4×12 3/8×9 5/16
	Outdoor Unit mm	715×482×240	715×482×240	810×585×280	860×650×310
	Outdoor Unit in	28 1/8×19×9 7/16	28 1/8×19×9 7/16	31 7/8×23×11	33 7/8×25 9/16×12 3/16
Net Weight	Indoor Unit kg	8.5	9.0	12.5	14.5
	Outdoor Unit kg	24	26.5	38	48.0
Packing Dimensions (WxHxD)	Indoor Unit mm	800×335×265	870×335×265	1000×390×315	1170×390×315
	Indoor Unit in	31 1/2×13 3/16×10 7/16	34 1/4×13 3/16×10 7/16	39 3/8×15 3/8×12 3/8	46 1/16×15 3/8×12 7/16
	Outdoor Unit mm	830×530×340	830×530×340	940×640×385	995×730×445
	Outdoor Unit in	32 11/16×20 7/8×13 3/8	32 11/16×20 7/8×13 3/8	37×25 3/16×15 3/16	39 3/16×28 3/4×17 1/2
Gross Weight	Indoor Unit kg	10	11.0	14.5	17.0
	Outdoor Unit kg	26	29	41	52.0
Loading Capacity (20/40/40'QL)		153/315/345	146/302/335	86/174/197	63/131/150
Approvals		ETL/AHRI	ETL/AHRI	ETL/AHRI	ETL/AHRI

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

07 Hi-EDGE



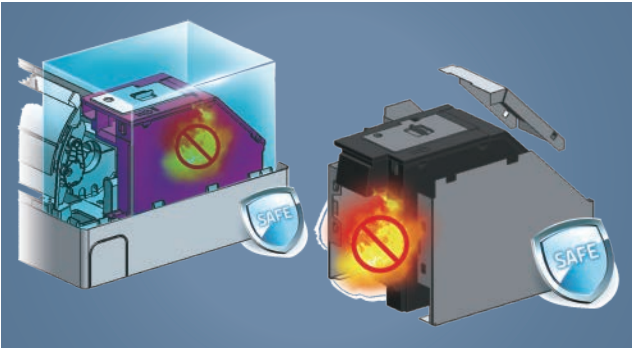
I FEEL

The air conditioner can sense the temperature through a remote and adjust the cooling capacity.



Metal Control Box

Fireproof metal box to prevent sparks and improve safety.



Quiet Operation

Quiet operation of indoor and outdoor units provide a peaceful environment without disruption.



4D Auto Swing

Horizontal and vertical Auto Swing to improve heat distribution and improve comfort.



Hi-EDGE 115v HP / CO

Model No.		AS-09UWISVDDA00	AS-12UWISVEDA00	AS-09TWISVDDA00	AS-12TWISVEDA00
Voltage, Frequency, Phase	V~,Hz,ph	115V, 60Hz, 1P			
Cooling Capacity	Btu/h	9000	12000	9000	12000
Heating Capacity	Btu/h	9500	13000	/	/
Cooling Capacity Range	Btu/h	1200-10000	2500-13500	1200-10000	2500-13500
Heating Capacity Range	Btu/h	1200-10000	2500-14500	/	/
SEER2	Btu/(W·h)	18.5	17.5	19.0	18.0
HSPF2	Btu/(W·h)	8.0	8.00	/	/
Refrigerant		R410A	R410A	R410A	R410A
Refrigerant charge volume	g	840	1000	830	930
Indoor Sound Pressure(Higer/H/M/L/silence)	dB (A)	42/39/36/33/26	40/40/36/33/26	42/39/36/33/26	41/40/36/33/26
Outdoor Sound pressure	dB (A)	53	54	53	54
Liquid Pipe	inch	1/4	1/4	1/4	1/4
Gas Pipe	inch	3/8	3/8	3/8	3/8
Net Dimensions (WxHxD)	Indoor Unit mm	745×270×214	815×270×214	745×270×214	815×270×214
	Indoor Unit in	29 5/16×10 5/8×8 7/16	32 1/16×10 5/8×8 7/16	29 5/16×10 5/8×8 7/16	32 1/16×10 5/8×8 7/16
	Outdoor Unit mm	715×482×240	715×482×240	715×482×240	715×482×240
	Outdoor Unit in	28 1/8×19×9 7/16	28 1/8×19×9 7/16	28 1/8×19×9 7/16	28 1/8×19×9 7/16
Net Weight	Indoor Unit kg	8.5	9.0	8.5	9.0
	Outdoor Unit kg	25	27.0	24.0	26.5
Packing Dimensions (WxHxD)	Indoor Unit mm	800×335×265	870×335×265	800×335×265	870×335×265
	Indoor Unit in	31 1/2×13 3/16×10 7/16	34 1/4×13 3/16×10 7/16	31 1/2×13 3/16×10 7/16	34 1/4×13 3/16×10 7/16
	Outdoor Unit mm	830×530×340	830×530×340	830×530×340	830×530×340
	Outdoor Unit in	32 11/16×20 7/8×13 3/8	32 11/16×20 7/8×13 3/8	32 11/16×20 7/8×13 3/8	32 11/16×20 7/8×13 3/8
Gross Weight	Indoor Unit kg	10	11.0	10.0	11.0
	Outdoor Unit kg	27	30	26	29
Loading Capacity (20/40/40'QL)		153/315/345	146/302/335	153/315/345	146/302/335

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Controls & Accessories



Control System

Wired Controller

■ YXE-C01U1(E)



YXE-C01U1(E) is YXE-C01U Pro with the optimized settings for special functions, including Cooling Only, Boost, and more.

■ YXE-E01U(E)



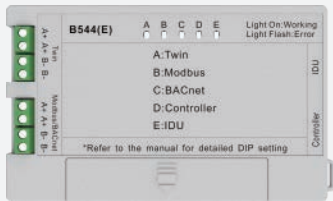
YXE-E01U(E) is new wired controller. Replaces YXE-A03 series and provides enhanced functions, including independent air louver control.

■ YJE-C01T(E)



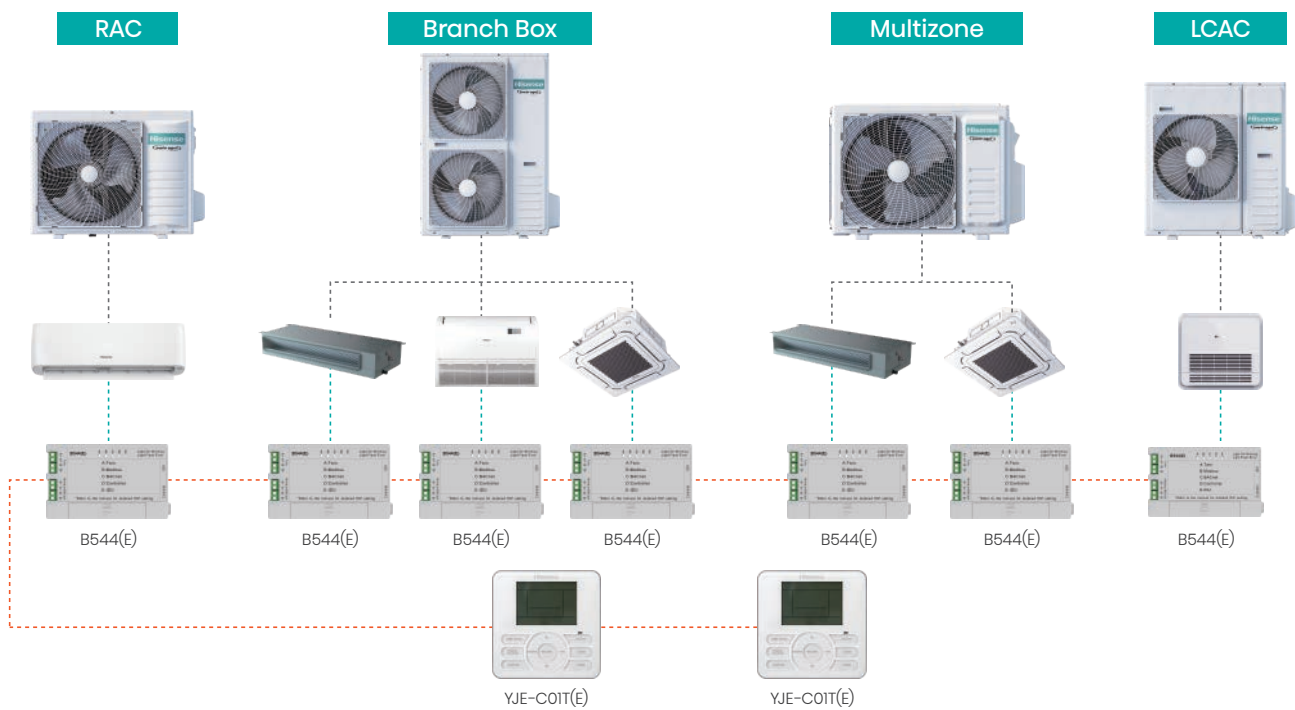
YJE-C01T(E) can control IDUs by B544(E).

■ B544(E)



It is a communicating box used in central control system. One IDU uses one B544(E). Adapter of the combination of B544(E) & B542(E) & B543(E). *B544(E) is the adapter of BACnet, Modbus, Twin System.

Communication Box



----- : U-art communication protocol. The maximum quantity of controllers is 16 in the same system.
----- : RS 485 & BACnet protocol.
YJE-C01T(E): The maximum controllers quantity of centralized controller is 2.

Connect Life

When the air conditioner is connected to Wi-Fi, you can control the system through the ConnectLife app from anywhere.



Voice Command

When the air conditioner is connected to Wi-Fi, you can control the system via Amazon or Google speakers, for On/Off control, mode settings, and temperature adjustment.

