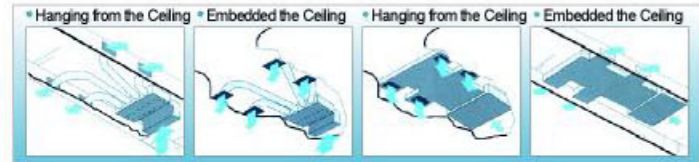




DC INVERTER DUCTED

Multi-mode for installation

The indoor unit can be installed with an air return duct or without an air return duct according to the installation need.



High efficiency filter

The unit adopts G3 grade filter, can efficiently filter the dirt etc, and improve the room air quality, at the same time, the filter can pull out from downside, convenient for maintenance and cleaning.



Wider range operation of outside temperature

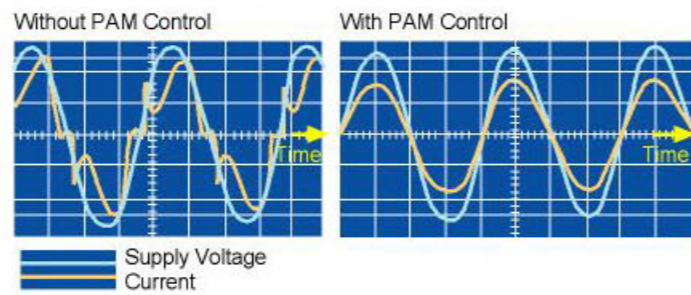
◇ Cooling: from -10°C to 46°C (in case of cooling operation when outside temperature lower than 10°C, a unit model with DC outdoor fan motor should be chosen).

◇ Heating: from -15°C to 24°C.

PAM control

NEW

PAM adjusts the form of the current wave so that it becomes close to that of the supply voltage wave. High harmonics are reduced and 99% of the electricity is utilized.



High external static pressure design

Max. external static pressure of 100Pa brings the quick temperature adjustment to the room. Adopts high pressure fan to provide quick speed of air blowing while keeping a low sound level and ensuring a good air circulation of the whole indoor space.

The static pressure from 0 to 100 Pa can be adjusted steplessly according to the environment.



■ AD242AMERA



■ AD282AHERA



■ AD362AHERA
■ AD422AHERA
■ AD522AHERA



■ AU242AGERA



■ AU282AHERA



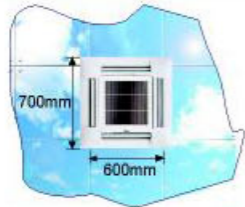
■ AU362AIERA
■ AU422AIERA
■ AU522AIERA

Item		Cooling Capacity	Heating Capacity	Power Source		Power Input (Cooling/Heating)	EER COP (Cooling/Heating)	Air Volume (H/M/L)		External Static Pressure	Noise Level(H/M/L) Sound Pressure Level		Dimensions				Weight				Piping Connection		Pipe Length	
Model	Indoor			Outdoor	Indoor			Outdoor	Indoor		Outdoor	Indoor	Outdoor	Indoor (H/M/L)	Outdoor(Hi)	External	Shipping	External	Shipping	Net	Shipping	Net	Shipping	Liquid Side
Indoor	Outdoor	kW(min-nor-max) Btu/h(nor)	kW(min-nor-max) Btu/h(nor)	Phase V Hz	Phase V Hz	W(min-nor-max)	WW	m³/h	m³/h	Pa (mmAq)	dB(A)	dB(A)	mm(W/D/H)	mm(W/D/H)	mm(W/D/H)	mm(W/D/H)	kg	kg	kg	kg	O.D. mm (inch)	O.D. mm (inch)	m	m
AD242AMERA	AU242AGERA	2.0/6.9/8.2 23500	2.5/8.0/8.5 27300	1PH 220-230V 50Hz	1PH 220-230V 50Hz	500/2300/3250 500/2300/2750	3.00 3.48	1470/1300/1100	3000	50	51/49/46	56	990/650/300	1137/800/320	865/335/732	995/420/815	39	40.4	57	60.5	9.52	15.88	30	15
AD282AHERA	AU282AHERA	2.2/8.2/10.5 28000	2.5/9.5/11.5 32400	1PH 220-230V 50Hz	1PH 220-230V 50Hz	500/2650/3500 500/2650/3500	3.09 3.58	1500/1200/900	4200	100	50/46/42	60	820/830/350	940/1051/420	948/340/840	1050/440/979	48	58	74	89	9.52	15.88	30	15
AD362AHERA	AU362AIERA	2.2/10.5/11.3 3600	2.5/11.5/12.5 39000	1PH 220-230V 50Hz	1PH 220-230V 50Hz	500/3400/4000 500/3140/4000	3.09 3.66	2580/2070/1560	4200	100	50/46/42	60	1197/830/350	1430/940/420	948/340/1250	1050/440/1375	62	77	74	89	9.52	15.88	50	30
AD422AHERA	AU422AIERA	2.5/13.2/15 42000	2.5/15/16.0 51000	1PH 220-230V 50Hz	1PH 220-230V 50Hz	950/4400/5000 950/4400/5000	3.00 3.41	2580/2070/1560	8000	100	50/46/42	62	1197/830/350	1430/940/420	948/340/1250	1050/440/1375	62	77	91	116	9.52	19.05	50	30
AD522AHERA	AU522AIERA	2.5/15.2/16.0 52000	2.8/16.1/17.5 56000	1PH 220-230V 50Hz	1PH 220-230V 50Hz	950/4900/5700 950/4750/5700	3.10 3.40	2580/2070/1560	8000	100	50/46/42	62	1197/830/350	1430/940/420	948/340/1250	1050/440/1375	62	77	91	116	9.52	19.05	50	30

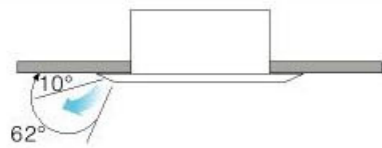
DC INVERTER CASSETTE

New particular design

The panel dimension is 700 × 700, smaller and universal. Harmony with the environment.



Super larger air flow and a larger swing angel

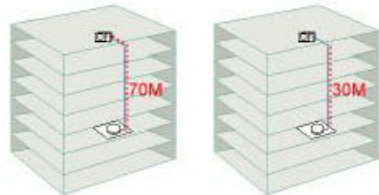


New super cooling circuit

Non-azeotropy refrigerant is efficiently, controlled with high quality engineering.

Flexible installation: long piping length and large drop design

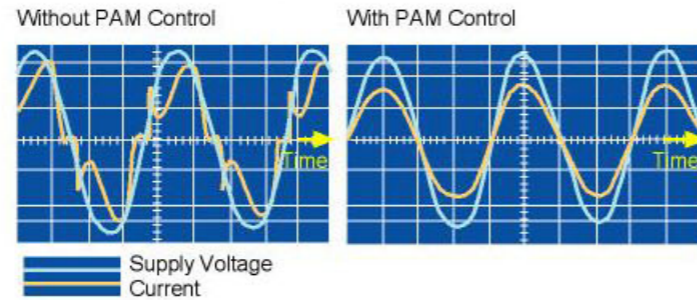
- ◇ Max. piping length can be up to 70m.
- ◇ Max. drop between indoor and outdoor unit can be up to 30m.



PAM control

NEW

PAM adjusts the form of the current wave so that it becomes close to that of the supply voltage wave. High harmonics are reduced and 99% of the electricity is utilized.



Comfortable temperature control system

3 types of swing operation for convenient in different space.

Pattern	Position
Standard	
Direct blow prevention	When in beginning of heating mode to prevent the cool air blow onto people.
Automatic blow-angle setting	Memorize the latest setting to auto set the blow angle when starting the unit.



■ AB182ACERA
◆ PB-7001A



■ AB242ACERA
◆ AB282ACERA
◆ PB-9501A



■ AB362ACERA
■ AB422ACERA
■ AB522ACERA
◆ PB-13401A



■ AU182AFERA



■ AU242AGERA
■ AU282AHERA



■ AU362AHERA
■ AU422AIERA
■ AU522AIERA

Item			Cooling Capacity	Heating Capacity	Power Source		Power Input	EER COP	Air Volume (H/M/L)		Noise Level(H/M/L) Sound Pressure Level	Dimensions				Weight				Piping Connection		Pipe Length						
Model	Indoor	Outdoor			Indoor	Outdoor			(Cooling/Heating)	(Cooling/Heating)		Indoor	Outdoor	Indoor	Outdoor	Indoor	Outdoor	Panel	Indoor	Outdoor	Panel	Liquid	Gas	Max. Length	Max. Height outdoor up			
Indoor	Outdoor	Panel	kW Btu/h	kW Btu/h	Phase V Hz	Phase V Hz	W	WW	m³/h	m³/h	dB(A)	dB(A)	mm(H/W/D)	mm(H/W/D)	mm(H/W/D)	mm(H/W/D)	mm (H/W/D)	mm (H/W/D)	kg	kg	kg	kg	kg	kg	O.D. mm (inch)	O.D. mm (inch)	m	m
AB182ACERA	AU182AFERA	PB-7001A	1.8/4.7/5.8 16000	2.0/5.0/6.2 16000	1PH 220-230V 50Hz	1PH 220-230V 50Hz	550/1660/2400 600/1730/2300	2.83 2.89	700/600/550	2500	45/40/32	56	570/570/260	718/680/380	810/288/680	960/406/760	700/700/60	740/750/115	19	23.5	58	61	2.8	4.8	6.35	12.7	30	15
AB242ACERA	AU242AGERA	PB-9501A	2.0/6.5/8.5 22100	2.5/7.2/8.5 24500	1PH 220-230V 50Hz	1PH 220-230V 50Hz	550/2300/3250 550/2250/2750	2.83 3.20	1300/1100/870	3000	48/44/39	56	840/840/240	910/910/300	865/335/732	995/420/815	950/950/80	980/980/100	26.8	32.6	57	60.5	6	9	9.52	15.88	50	30
AB282ACERA	AU282AHERA	PB-9501A	2.0/8.2/9.0 2800	2.5/8.5/9.5 2900	1PH 220-230V 50Hz	1PH 220-230V 50Hz	550/2650/3500 550/2650/3500	2.83 3.22	1300/1100/870	3500	48/44/39	58	840/840/240	910/910/300	865/335/732	995/420/815	950/950/80	980/980/100	26.8	32.6	74	80	6	9	9.52	15.88	50	30
AB362ACERA	AU362AIERA	PB-13401A	2.2/10.5/11.3 36000	2.2/11.5/12.5 39000	1PH 220-230V 50Hz	1PH 220-230V 50Hz	500/3400/4000 500/3140/4000	3.09 3.66	1850/1600/1350	4200	50/46/42	60	1230/840/280	1325/920/370	948/340/1250	1050/440/1375	1340/950/80	1400/995/115	46	53	74	80	8.4	12	9.52	15.88	50	30
AB422ACERA	AU422AIERA	PB-13401A	2.5/12.3/13.0 42000	2.5/13.2/14.5 45000	1PH 220-230V 50Hz	1PH 220-230V 50Hz	850/3950/4800 850/3950/4800	3.11 3.34	1980/1700/1450	7000	50/46/42	60	1230/840/280	1325/920/370	948/340/1250	1050/440/1375	1340/950/80	1400/995/115	46	53	106	111	8.4	12	9.52	19.05	50	30
AB522ACERA	AU522AIERA	PB-13401A	2.5/15.2/16.0 52000	2.5/15.2/16.0 52000	1PH 220-230V 50Hz	1PH 220-230V 50Hz	850/4650/5500 850/4500/5500	3.27 3.58	1980/1700/1450	8000	51/47/43	62	1230/840/280	1325/920/370	948/340/1250	1050/440/1375	1340/950/80	1400/995/115	46	53	91	116	8.4	12	9.52	15.88	70	30



X-Multi



Higher energy efficiency

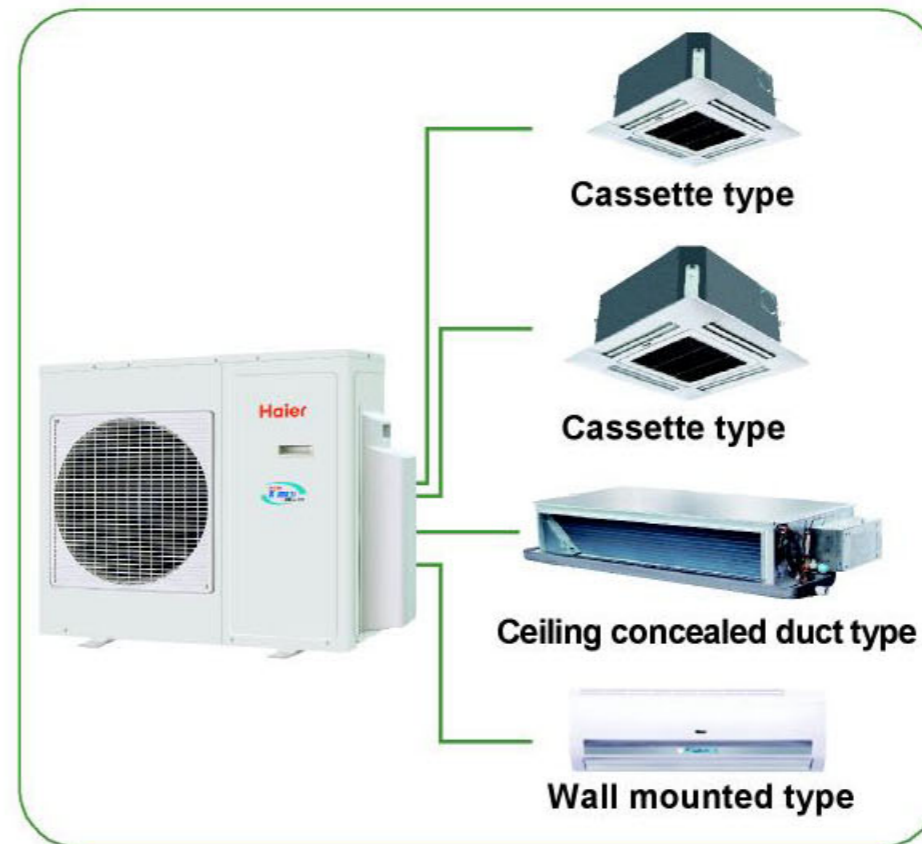


Free combinations

For the 1:2, 1:3, 1:4 and 1:5 combinations, the outdoor unit are the same. Also the indoor units are compatible with the different capacity outdoor units. There are many different combinations for your choice. It is easy for design and convenient for installation.

Model Capacity		AU222XFERA	AU282XHERA	AU342XHERA
Cooling	Btu/h	22000	28000	34000
	kW(min-nom-max)	1.50~6.40~6.80	1.50~8.00~9.50	1.50~10.00~11.00
Heating	Btu/h	24900	34100	37500
	kW(min-nom-max)	0.80~7.30~7.50	1.80~10.00~11.00	1.80~11.00~11.50
Electrical parameters				
Power supply	Ph/V/Hz	1/230/50	1/230/50	1/230/50
Power input	Cooling kW(min-nom-max)	0.50~2.10~2.90	0.55~2.48~3.80	0.55~3.20~4.00
	Heating kW(min-nom-max)	0.50~2.10~2.90	0.55~2.70~3.80	0.55~3.20~4.00
EER/COP		3.04/3.65	3.22/3.70	3.12/3.44
Performance				
Air flow	H m ³ /h	3200	4000	4300
Noise level	H/M/L dB(A)	55/-/-	58/-/-	59/-/-
Installation				
External dimensions(W/D/H)	mm	928/288/680	1068/340/830	1068/340/830
Shipping dimensions(W/D/H)	mm	1015/405/760	1100/440/879	1100/440/879
Net/Shipping weight	kg	54/60	74/89	74/89
Compressor type	Scroll/Rotary	Twin Rotary	Twin Rotary	Twin Rotary
Refrigerant type		R410A	R410A	R410A
Refrigerant liquid pipe	mm	3 × 6.35	4 × 6.35	4 × 6.35
Refrigerant gas pipe	mm	3 × 9.52	4 × 9.52	4 × 9.52
Max pipe length	m	25	25	25
Max drop between IN & OU	m	15	15	15

Model Capacity		AS072XVERA	AS092XVERA	AS122XVERA	AS182XVERA	AB092XCERA	AB122XCERA	AB142XCERA		AB182XCERA	AD092XLERA	AD122XLERA	AD142XLERA	AD182XLERA
Cooling	Btu/h	7000	9000	12000	18000	9000	12000	14000		18000	9000	12000	14000	18000
	kW	2.0	2.5	3.2	5.0	2.5	3.5	4.1		5.0	2.5	3.5	4.1	5.0
Heating	Btu/h	7850	9900	13000	19000	10000	13000	15700		19000	10000	13000	15700	19000
	kW	2.3	2.9	3.8	5.5	2.9	3.8	4.6		5.5	2.9	3.8	4.6	5.5
Electrical parameters														
Power supply	Ph/V/Hz	1/230/50	1/230/50	1/230/50	1/230/50	1/230/50	1/230/50	1/230/50		1/230/50	1/230/50	1/230/50	1/230/50	1/230/50
Performance														
Air flow	H m ³ /h	480/430/380	520/450/390	550/480/430	600/550/500	620/560/530	670/600/550	670/600/550		670/600/550	550/500/450/400	550/500/450/400	780/700/650/600	780/700/650/600
Noise level	H/M/L dB(A)	36/33/30	38/34/31	39/36/33	42/40/37	41/39/38	44/40/37	44/40/37		44/40/37	43/40/38/35	43/40/38/35	46/44/40/38	46/44/40/38
Installation														
External dimensions(W/D/H)	mm	795/197/265	795/197/265	795/197/265	870/305/225	570/570/260	570/570/260	570/570/260		570/570/260	610/500/220	610/500/220	1090/500/220	1090/500/220
Shipping dimensions(W/D/H)	mm	880/315/330	880/315/330	880/315/330	962/312/365	718/680/380	718/680/380	718/680/380		718/680/380	695/536/265	695/536/265	1161/536/269	1161/536/269
Net/Shipping weight	kg	7.6/10.6	7.6/10.6	7.6/10.6	12/15	17/20	17/20	19/23.5		19/23.5	14/16	14/16	25/29	25/29
Refrigerant liquid pipe	mm	6.35	6.35	6.35	6.35	6.35	6.35	6.35		6.35	6.35	6.35	6.35	6.35
Refrigerant gas pipe	mm	9.52	9.52	9.52	12.7	12.7	12.7	12.7		12.7	9.52	9.52	12.7	12.7
Static pressure	Pa	/	/	/	/	/	/	/		/	20	20	20	20
Panel														
External dimensions	mm	/	/	/	/	700/700/60	700/700/60	700/700/60		700/700/60	/	/	/	/
Shipping dimensions	mm	/	/	/	/	740/750/115	740/750/115	740/750/115		740/750/115	/	/	/	/
Net/Shipping weight	kg	/	/	/	/	2.8/4.8	2.8/4.8	2.8/4.8		2.8/4.8	/	/	/	/
Controller														
Wired (O-Optional, S-Standard)		/	/	/	/	YR-E12 (O)	YR-E12 (O)	YR-E12 (O)		YR-E12 (O)	YR-E12 (S)	YR-E12 (S)	YR-E12 (S)	YR-E12 (S)
Remote (O-Optional, S-Standard)		YR-H65 (S)	YR-H65 (S)	YR-H65 (S)	YR-H65 (S)	YR-H71 (S)	YR-H71 (S)	YR-H71 (S)		YR-H71 (S)	/	/	/	/



- AS072XVERA
- AS092XVERA
- AS122XVERA
- AS182XVERA
- AB092XCERA
- AB122XCERA
- AB142XCERA
- AB182XCERA
- ◆ PB-700IB
- AD092XLERA
- AD122XLERA
- AD142XLERA
- AD182XLERA

New particular design

The cassette external dimension is 570 × 570 × 260mm for easy installation. It is universal and harmony with standard ceiling 600 × 600mm. There is no breakage for ceiling during installation.

Quiet operation

Airflow pass through the outlet smoothly and fluently owing to the streamline air outlet. Bring you a much more quiet space. The fan blade adopts the design of irregular helix. The indoor unit can run at the lowest sound level.

Built-in high head drain pump

Built-in Drain Pump drains water automatically. A standard drain-head height of up to 600mm is possible, creating the ideal solution for perfect water drainage.

3D airflow

The 3D air flow is able to deliver the airflow horizontally and vertically. It prevents blowing the body directly. More comfortable and much healthier.

UV ray generator "optional"

UV Ray generator can eliminate and prevent bacteria in air effectively. Breathe fresh air to assure health. It is harmless to human body.

High efficiency filter

The unit adopt G3 grade filter, can efficiently filter the dirt etc and improve the room air quality. At the same time, the filter can pull out from downside, convenient for maintenance and cleaning.

Fresh air inlet

Anti-mold filter

Healthy negative ions

LCD display

Ultra-thin design

Multi-mode for installation

Knock-down drain pan