

AUX

AIR CONDITIONER

2020

KATALOG

SYSTÉM KOMERČNÍCH
KLIMATIZACÍ

LCAC ▪ VRF ▪ CHILLER





Výhradní distributor pro Českou republiku
a Slovensko:

TD metal s.r.o.

Pobočka

Olomouc

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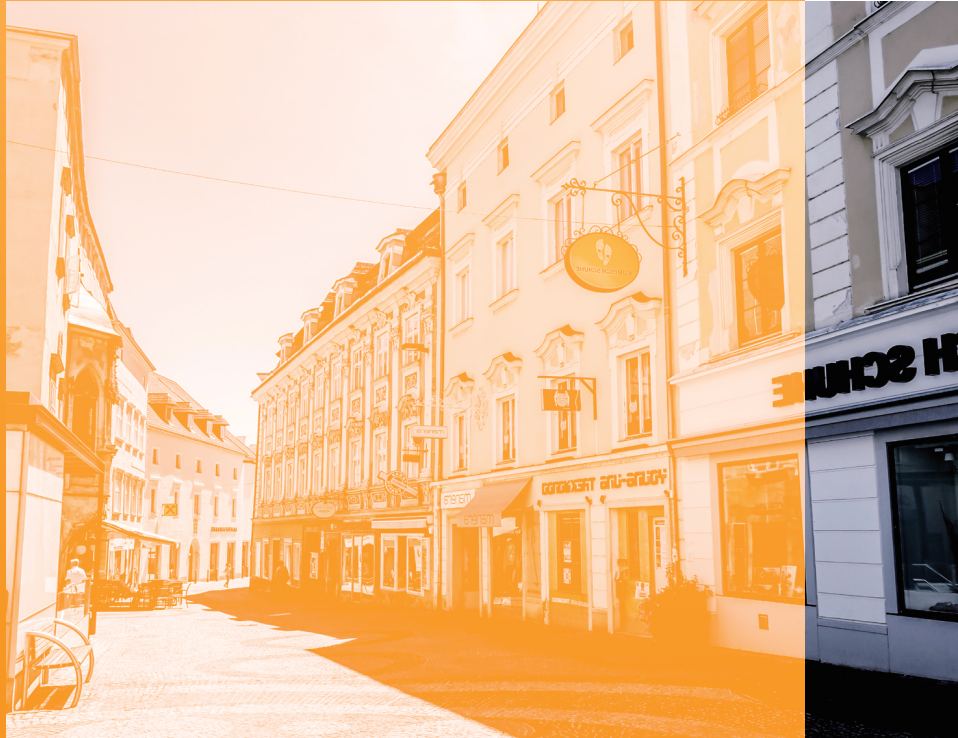
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AUX



2020

LIGHT COMMERCIAL(EU)



GROUP PROFILE

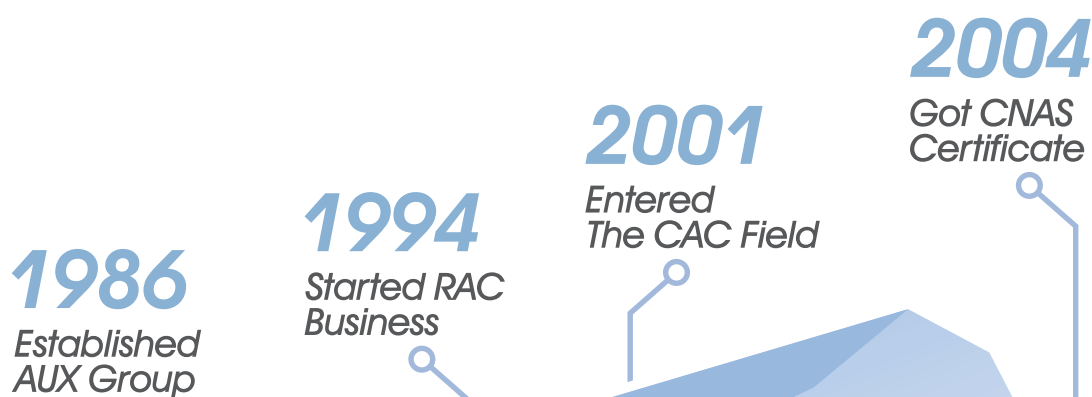
Established in 1986, AUX Group is an enterprise group which covers several industries: home appliances, electrical equipment, medical service, real estate and financial investment. For many years it ranked China's top 500 enterprises.

In 2018, the group sales reached RMB 86 billion, with total assets of RMB 56.6 billion, It has over 30,000 employees, and 10 manufacturing bases in Ningbo(3), Nanchang, Tianjin, Ma'anshan, Zhengzhou(under construction), Brazil, Indonesia and Thailand(under construction), 5 R&D centers. AUX is a leading producer of Smart Meter and Power Box in its sector, and has also ranked No.3 in the Air-Conditioning industry. Currently, it has 19 medical institutions in operation or under construction.

It owns 2 listed companies (601567.SH, 02080.HK). As a National-Recognized Enterprise Technology Center, a Technology Innovation Model Enterprise and a National Post-doctoral Workstation, it owns two globally famous brands: AUX and Sanxing, which worth over RMB 25 billion.

When AUX is working on its development, it also cares about performing its social responsibilities. In the past years, it has donated RMB 279 million in total to various public programs, such as the field of targeted poverty alleviation, education, disaster relief and environment protection.

In the new era, aiming to become a world-class enterprise, AUX will keep carrying out the mission of "Creating an intelligent living environment and Cultivating great talents", and work hard to achieve the strategic goal of "100 billion market value, 100 billion sales and 10 billion profits".



2019

*Launched All DC Inverter
ARV 6 Globally*

2016

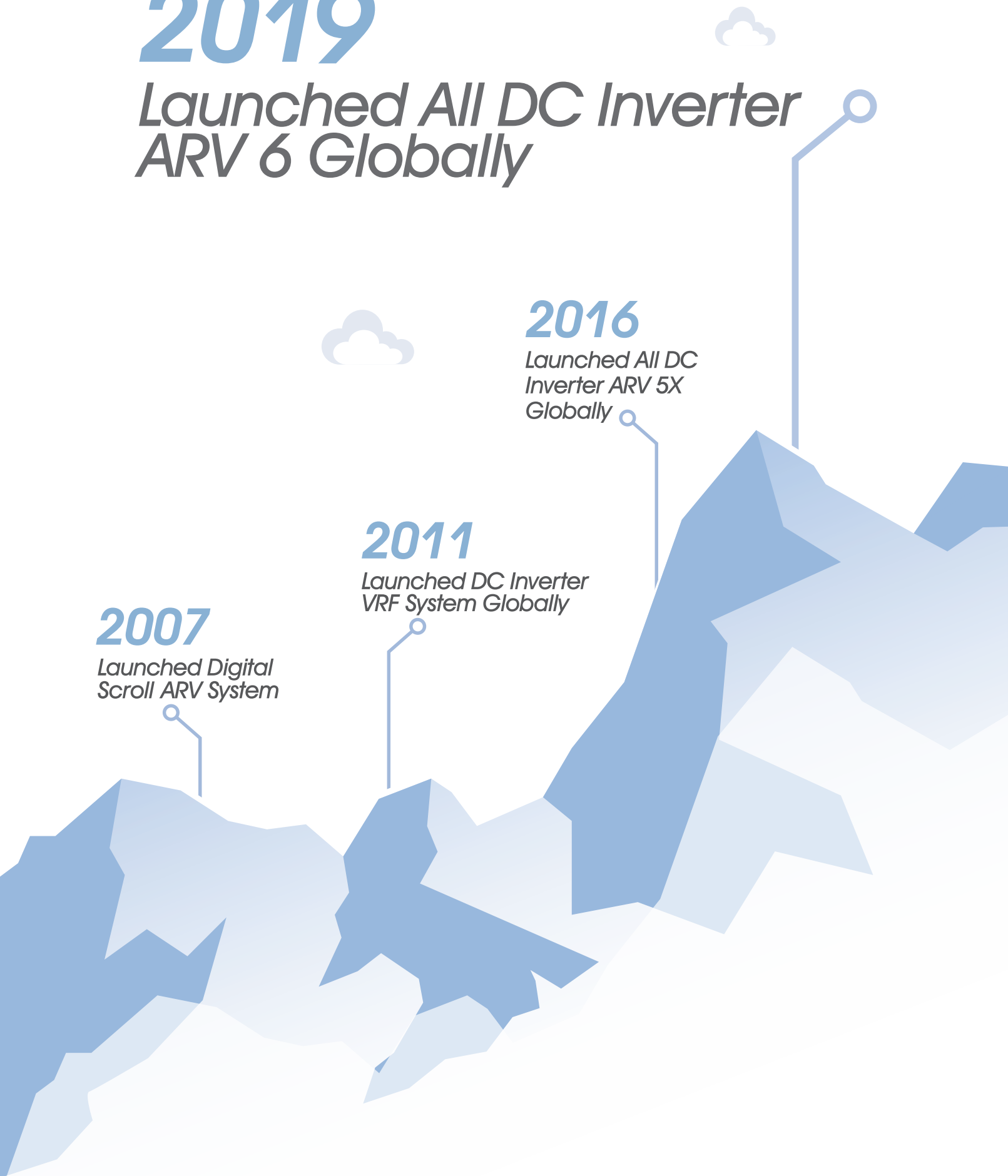
*Launched All DC
Inverter ARV 5X
Globally*

2011

*Launched DC Inverter
VRF System Globally*

2007

*Launched Digital
Scroll ARV System*



Product Lineup

Inverter Series



Series	Appearance	Refrigerant	Type	12kBtu/h	18kBtu/h	24kBtu/h	30kBtu/h	36kBtu/h	42kBtu/h	48kBtu/h	60kBtu/h	Page
Outdoor Units		R32	DC Inverter	●	●	●	●	●	●	●	●	11
		R410A	DC Inverter		●	●		●	●	●	●	12
Compact Cassette		R32	DC Inverter	●	●							15
		R410A	DC Inverter		●							16
Cassette		R32	DC Inverter			●		●	●	●	●	15
		R410A	DC Inverter			●		●	●	●	●	16
Ceiling&Floor		R32	DC Inverter		●	●		●	●	●	●	20
		R410A	DC Inverter		●	●		●	●	●	●	21
Duct		R32	DC Inverter		●	●	●	●	●	●	●	24
		R410A	DC Inverter		●	●		●		●	●	25

Inverter Series-Free match



Series	Appearance	Refrigerant	Type	14kBtu/h	18kBtu/h	21kBtu/h	27kBtu/h	36kBtu/h	42kBtu/h	Page
1 Drive 2		R32	DC Inverter	●	●					30
1 Drive 3		R32	DC Inverter			●	●			30
1 Drive 4		R32	DC Inverter					●		30
1 Drive 5		R32	DC Inverter						●	30
1 Drive 2		R410A	DC Inverter	●	●					31
1 Drive 3		R410A	DC Inverter			●	●			31
1 Drive 4		R410A	DC Inverter					●		31
1 Drive 5		R410A	DC Inverter						●	31

Inverter Series-Free match-Indoor Units



Series	Appearance	Refrigerant	Type	7kBtu/h	9kBtu/h	12kBtu/h	16kBtu/h	18kBtu/h	24kBtu/h	Page
L Type		R32	50Hz	●	●	●		●		32
F Type		R32	50Hz	●	●	●		●	●	32
J Type		R32	50Hz	●	●	●		●	●	33
Compact Cassette		R32	50Hz		●	●		●	●	33
Slim Duct		R32	50Hz	●	●	●		●	●	34
Ceiling&Floor		R32	50Hz		●	●		●		34
Console		R32	50Hz		●	●	●			35



Inverter Series-Free match-Indoor Units

Series	Appearance	Refrigerant	Type	7kBtu/h	9kBtu/h	12kBtu/h	18kBtu/h	Page
J Type		R410A	50Hz	●	●	●	●	35
L Type		R410A	50Hz	●	●	●	●	36
F Type		R410A	50Hz	●	●	●	●	36
Compact Cassette		R410A	50Hz		●	●	●	37
Slim Duct		R410A	50Hz	●	●	●	●	37
Ceiling&Floor		R410A	50Hz		●	●	●	38



On/Off Series

Series	Appearance	Refrigerant	Type	12kBtu/h	18kBtu/h	24kBtu/h	36kBtu/h	48kBtu/h	60kBtu/h	Page
Outdoor Units		R410A	ON/OFF	●	●	●	●	●	●	40
Compact Cassette		R410A	ON/OFF	●	●					42
Cassette		R410A	ON/OFF			●	●	●	●	42
Ceiling&Floor		R410A	ON/OFF		●	●	●	●	●	44
Mid ESP Duct		R410A	ON/OFF	●	●	●	●	●	●	46
High ESP Duct		R410A	ON/OFF					●	●	48

Commercial High ESP Duct/Floor Standing

Series	Appearance	Refrigerant	Type	80kBtu/h	100kBtu/h	Page
Outdoor Units		R410A	ON/OFF	●	●	51
High ESP Duct		R410A	ON/OFF	●	●	51
Floor Standing		R410A	ON/OFF	●	●	54

Compressor Condensing Unit

Series	Appearance	Refrigerant	Type	24kBtu/h	36kBtu/h	48kBtu/h	55kBtu/h	Page
CCU		R410A	ON/OFF	●	●	●	●	51

Health



Fresh Air Intake

Air outside can be led into the room via a connection pipe, which keeps the indoor air fresh and healthy.



Long-term Filter

The latest long-term filter ensures better air quality. Meanwhile, the cleaning frequency has been decreased, and maintenance is also much easier.



Self-Cleaning

Indoor unit will continue running with special combined mode to blow and dry indoor evaporator after the unit switch off so as to keep clean and healthy.

Comfort



Anti-Cold-Air

When starting the heating operation, the fan speed is regulated automatically from the lowest speed to the preset level. This function can prevent cold air from blowing out at the beginning of the operation, which avoids the discomfort to the user.



Follow Me

Temperature sensor built in the remote control will sense its surrounding temperature, so the unit can achieve accurate and comfortable temperature control just like the air conditioner is following you.



Fast Cooling /Heating

Startup at high frequency increases cooling/heating capacity and reduces time to reach set temperature, thus you can enjoy cooling and heating in seconds.



Auto swing

Distributes cool/warm air to maximum area by moving horizontal and vertical fags automatically.



Independent Dehumidification

With the independent dehumidification function, the unit can efficiently dehumidify the room and give you more comfort.



3D Air Flow

Combine vertical and horizontal auto swing to ensure an even distribution of air flow throughout the room.



Dimmer

Press this button to shut off the display light on the front panel.



Silent

Indoor fan will run at super breeze speed and indoor noise level can be extremely low when the unit enters silent mode operation.

Reliability



Self-diagnosis Function

Once abnormal operation or parts failure happen, the unit will monitor the failures, the microcomputer of air conditioner will switch off and protect the system automatically when it happens. Meanwhile, the error or protection code will be displayed on the indoor unit.



Low Ambient Cooling

With special designed PCB, outdoor fan speed can be changed automatically according to condensation temperature. The air conditioner can run cooling operation even when the outdoor ambient temperature down to -15°C.



Intelligent Defrosting

Normal defrost function can only be operated in certain time, but AUX commercial air conditioner's intelligent defrost can start automatically according to the surrounding condition.



Compressor Heating Belt

Auxiliary heating belt can increase compressor oil temperature in winter and prevent defrosting water accumulated, which improves heat transfer efficiency.



No Frosting Chassis

The unique pipeline design makes the temperature on chassis higher than normal units, and it prevents defrosting water accumulated, which improves heat transfer efficiency and solves the drainage problem.



Golden Fin

Effectively prevent bacteria breeding and improve heat transfer efficiency. The unique anti-corrosive golden coating on the condenser can withstand the rain, salty air and other corrosive elements.



Optional Electric Heater

Built-in auxiliary electric heater as option, the heating performance will be more powerful.



Fire-proof Electric Box

Electrical control box adopts new design, which can meet the higher fire safety requirement to prevent the internal fire due to the electric spark accident.

Energy Saving



180° Sine Wave Control

With considerable advantages, DC Inverter 180° sine wave driving technology has much wider range of frequency and voltage, higher energy efficiency, more smooth running and lower noise.



0.5W Standby

Intelligent technology enables AUX products to cut energy consumption from normal 5W to 0.5W per hour when standby, which counts 90% of saving.



Sleep Mode

The function enables the air conditioner to automatically increase cooling or decrease heating 1°C per hour for the first 2 hours, then holds steady for the next 5 hours, after that it will switch off. This function maintains both energy saving and comfort in night.



Hydrophilic aluminum fin

The louvered hydrophilic aluminum foil has improved by more than 10%. There refrigerant inlet and outlet are separated, to ensure the sub-cooling and enhance the cooling capacity.



Full Process By DC Drive

DC control, DC Compressor, DC indoor motor, DC outdoor motor, and DC Electronic expansion valve make low noise and high efficiency.

Convenience



24-hour Timer

Users can turn on or turn off the air conditioner at any time in 24 hours with remote controller or wireless controller.



Built-in Drain Pump

The built-in pump can lift the condensing water 1200 mm upmost from the drainage pan.



Dual side Drainage

Both left and right sides of the indoor unit are possible for drainage hose connection, and it's easy for installation with this function.



Digital Tube Display

Easily for the running parameters checking and more convenient for troubleshooting, digital tube displays work status such as indoor temperature, setting temperature, the mode of operation, etc.



Remote Control

Help users to control the air conditioner easily, you can design your most comfortable settings with this controller.



Wired Control

Help users to control the air conditioner easily, the wired controller can be fixed on the wall and avoid mislaying. It's mainly used for commercial zone and makes air conditioner control more convenient.



Central Control

With the control function of weekly timer, zone (or group) setting etc., the centralized controller can control 64 units with RS 485 wire connection and the central control adapter.



WIFI Control

With the WIFI control, you can easily turn off the air conditioner outside your house via smart device. Furthermore, you can turn it on before you come back. The indoor unit filter can be taken off to wash easily and it keeps cleaning air all the time.



Washable Filter

The indoor unit filter can be taken off to wash easily and it keeps cleaning air all the time.

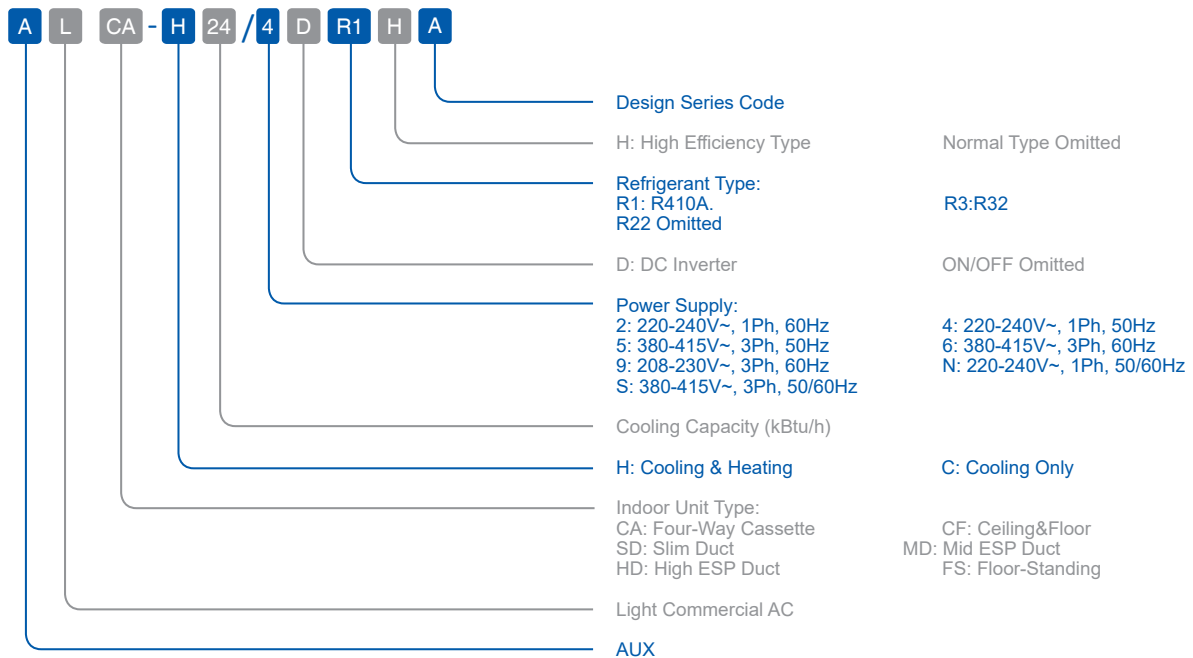


Auto Restart Function

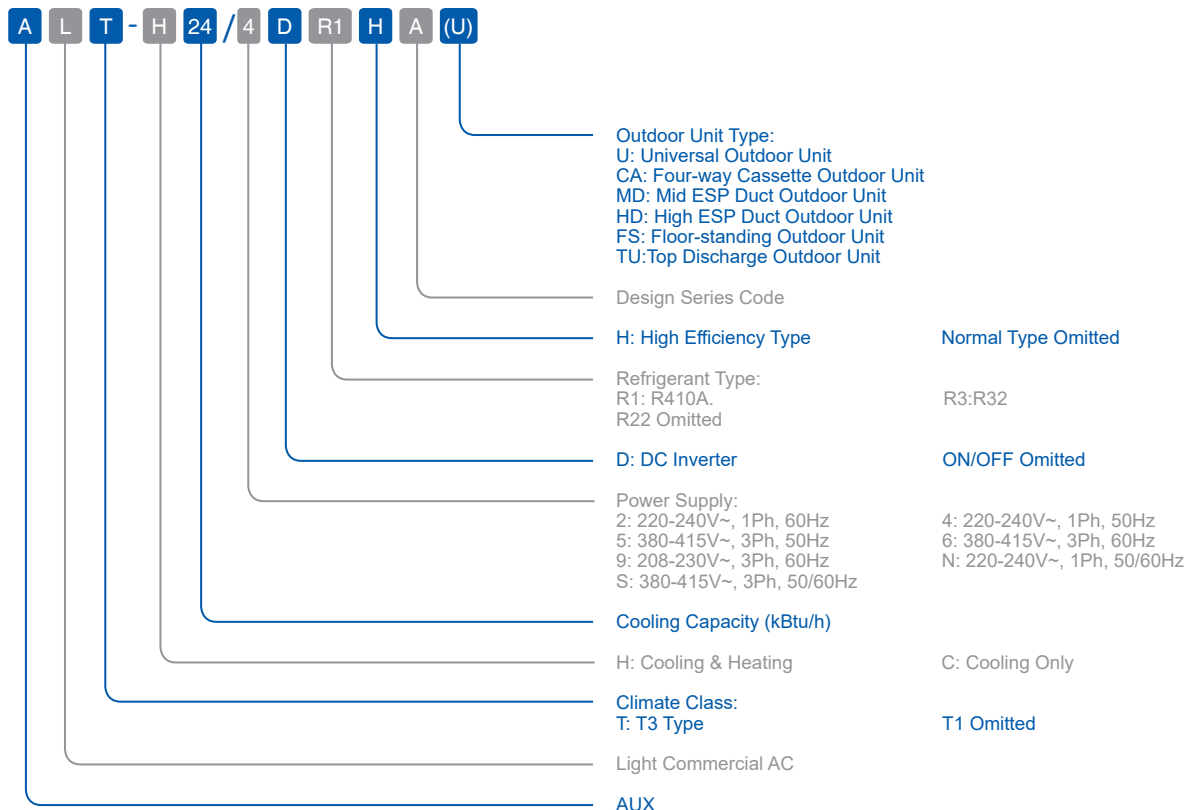
If the air conditioner breaks off unexpectedly due to the power cut, it will restart with the previous setting mode automatically when the power resume.

Nomenclature-Light Commercial

Indoor Unit

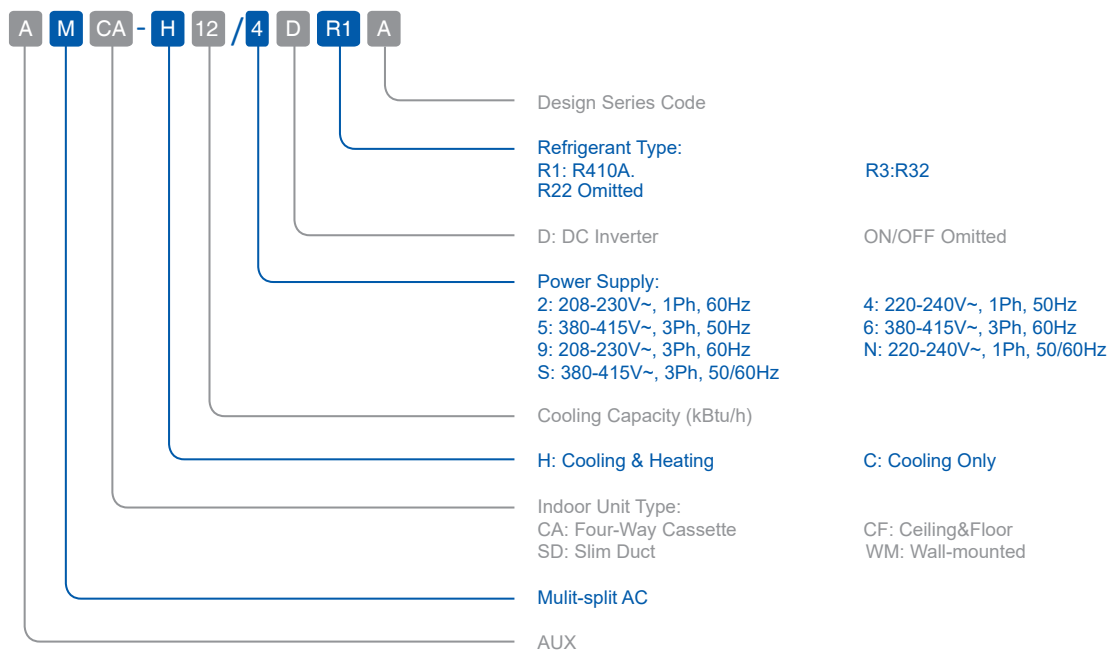


Outdoor Unit

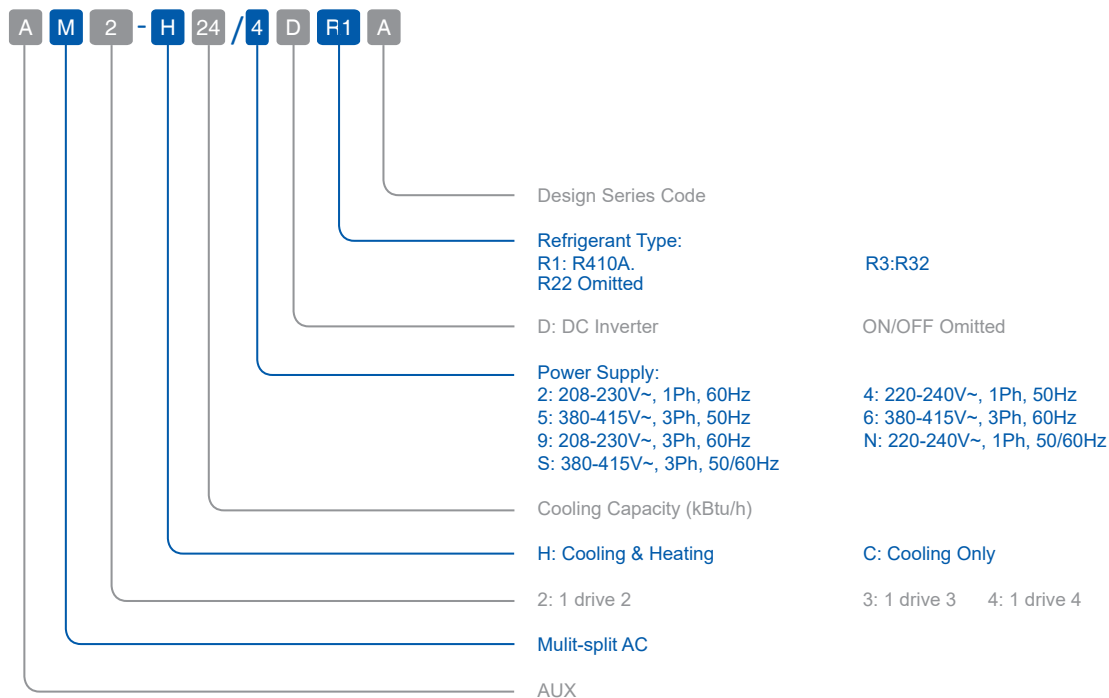


Nomenclature-Free Match

Indoor Unit



Outdoor Unit



Inverter Series

Inverter Series



Outdoor Unit



Environmental-friendly Refrigerant R32

The GWP value of R32 is smaller, so the effect on the greenhouse effect is smaller.
The ODP value of R32 is 0, so it's no harm to our planet's ozone layer.



High Efficiency

Equipped with high efficiency DC Inverter compressor, adjustable fan motor and advanced 180° sine wave vector driver, the system can be higher than 6.1 in SEER and 4.0 in SCOP so as to meet the European and Australian new energy efficiency standards.

SEER:

A++

SCOP:

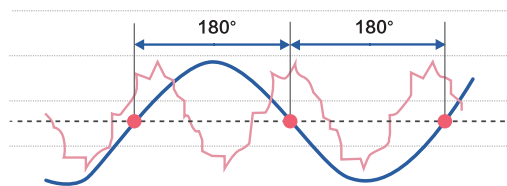
A+

Reliability

Stable cooling under -10°C and heating under -15°C outdoor environment temperature.

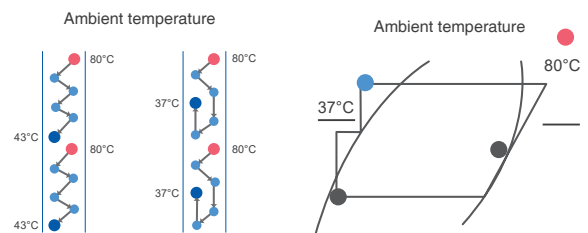
180° Sine Wave Control

DC inverter compressor uses 180° sine wave vector control technique, make compressor motor operate smoothly and efficiency increases significantly.



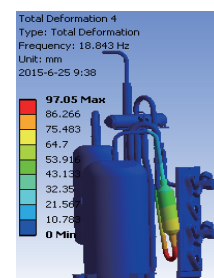
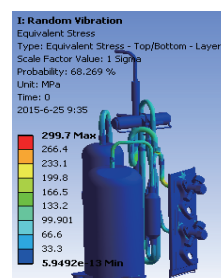
Optimized Pipeline Design

The design ensures the sub-cooling and enhances the cooling capacity by separating the refrigerant inlet and outlet.



Simulation Technology

Via analysing piping stress distribution, piping amplitude and displacement in transportation and operation, the reliability has been improved greatly.



Outdoor Unit



Specification-R32 50Hz DC Inverter



Model	Outdoor		AL-H12/NDR3A(U)	AL-H18/NDR3A(U)	AL-H24/NDR3A(U)	AL-H30/NDR3A(U)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1
	Air Flow Volume	m³/h	2600	2600	3750	3800
Performance	Sound Pressure Noise Level	dB(A)	54	55	58	57
	Sound Power Noise Level	dB(A)	64	64	67	68
Dimension (WxDxH)	Net	mm	800×315×545	800×315×545	900×350×700	970×395×805
	Packing	mm	920×400×620	920×400×620	1020×430×770	1105×495×895
Weight	Net/Gross	kg	35/38	37/40	51/55	65/69
Piping size	Liquid Side	mm(inch)	6.35(1/4)	6.35(1/4)	9.52(3/8)	9.52(3/8)
	Gas Side	mm(inch)	12.7(1/2)	12.7(1/2)	15.88(5/8)	15.88(5/8)
	Max. Length	m	25	30	50	50
	Max. Height	m	10	20	25	25
Ambient temperature	Cooling/Heating	°C	-15~52/-15~24	-15~52/-15~24	-15~52/-15~24	-15~52/-15~24
Stuffing Quantity	20/40/40H	unit	102/219/292	102/219/292	87/183/183	44/96/144

Specification-R32 50Hz DC Inverter



Model	Outdoor		AL-H36/NDR3A(U)	AL-H42/NDR3A(U)	AL-H48/SDR3A(U)	AL-H60/SDR3A(U)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	380~415,50,3	380~415,50,3
	Air Flow Volume	m³/h	4000	4200	7200	7200
Performance	Sound Pressure Noise Level	dB(A)	57	57	60	60
	Sound Power Noise Level	dB(A)	66	66	70	70
Dimension (WxDxH)	Net	mm	970×395×805	970×395×805	940×370×1325	940×370×1325
	Packing	mm	1105×495×895	1105×495×895	1080×430×1440	1080×430×1440
Weight	Net/Gross	kg	72/76	72/76	92/102	92/102
Piping size	Liquid Side	mm(inch)	9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52(3/8)
	Gas Side	mm(inch)	15.88(5/8)	15.88(5/8)	19.05(3/4)	19.05(3/4)
	Max. Length	m	65	65	65	65
	Max. Height	m	30	30	30	30
Ambient temperature	Cooling/Heating	°C	-15~52/-15~24	-15~52/-15~24	-15~52/-15~24	-15~52/-15~24
Stuffing Quantity	20/40/40H	unit	44/96/144	44/96/144	27/55/55	27/55/55

★ Remark: The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.

Outdoor Unit



Specification-R410A 50Hz DC Inverter

Model	Outdoor		AL-H18/4DR1HA(U)	AL-H24/4DR1HA(U)	AL-H36/4DR1H(U)	AL-H42/4DR1H(U)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1
	Air Flow Volume	m³/h	2600	3750	6400	6400
Performance	Sound Pressure Noise Level	dB(A)	55	58	58	58
	Sound Power Noise Level	dB(A)	64	66	67	67
Dimension (WxDxH)	Net	mm	800×315×545	900×350×700	940×401×1366	940×401×1366
	Packing	mm	920×400×620	1020×430×770	1080×460×1490	1080×460×1490
Weight	Net/Gross	kg	40/44	53/58	93/103	93/103
	Liquid Side	mm(inch)	6.35(1/4)	9.52(3/8)	9.52(3/8)	9.52(3/8)
Piping size	Gas Side	mm(inch)	12.7(1/2)	15.88(5/8)	15.88(5/8)	15.88(5/8)
	Max. Length	m	30	50	65	65
	Max. Height	m	20	25	30	30
Ambient temperature	Cooling/Heating	°C	-10~52/-15~24	-10~52/-15~24	-10~52/-15~24	-10~52/-15~24
Stuffing Quantity	20/40/40H	unit	102/219/292	87/183/183	27/55/55	27/55/55

Specification-R410A 50Hz DC Inverter

Model	Outdoor		AL-H48/5DR1H(U)	AL-H60/5DR1H(U)	AL-H36/4DR1HA(U)
Electric Data	Power Supply	V~,Hz,Ph	380~415,50,3	380~415,50,3	220~240,50,1
	Air Flow Volume	m³/h	6400	6400	4000
Performance	Sound Pressure Noise Level	dB(A)	59	59	58
	Sound Power Noise Level	dB(A)	68	68	67
Dimension (WxDxH)	Net	mm	940×401×1366	940×401×1366	970×395×805
	Packing	mm	1080×460×1490	1080×460×1490	1105×495×895
Weight	Net/Gross	kg	108/116	108/116	72/76
	Liquid Side	mm(inch)	9.52(3/8)	9.52(3/8)	9.52(3/8)
Piping size	Gas Side	mm(inch)	19.05(3/4)	19.05(3/4)	15.88(5/8)
	Max. Length	m	65	65	65
	Max. Height	m	30	30	30
Ambient temperature	Cooling/Heating	°C	-10~52/-15~24	-10~52/-15~24	-10~52/-15~24
Stuffing Quantity	20/40/40H	unit	27/55/55	27/55/55	44/96/144

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Inverter Series

Compact Cassette & Cassette

FEATURES

■ optional ■ standard



Auto Restart Function



Hydrophilic Aluminum Fin



Fast Cooling/Heating



Low Ambient Cooling



Intelligent Defrosting



Remote Control



Washable Filter



Fire-proof Electric Box



Built-in Drain Pump



Digital Tube Display



Wired Control



Central Control



Golden Fin



WiFi Control

Inverter Series

Compact Cassette & Cassette



Standard

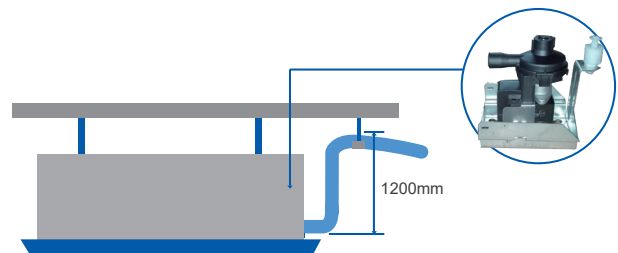


Optional



Built-In Drain Pump

The built-in drain pump can lift condensing water up to 1200mm high from the drainage pan.



Optional Indoor Units (Round Flow/Four-way Cassette)



Four-way Cassette



Round Flow Cassette

Fresh Air Intake

Fresh air makes indoor air healthy and comfortable.



Cassette



Specification-R32 50Hz DC Inverter



Model	Indoor		ALCA-H12/NDR3HAA	ALCA-H18/NDR3HAA	ALCA-H24/NDR3HAA	ALCA-H36/NDR3HAA
	Outdoor		AL-H12/NDR3A(U)	AL-H18/NDR3A(U)	AL-H24/NDR3A(U)	AL-H36/NDR3A(U)
Capacity	Cooling/Heating	Btu/h	12000(4600~15000)/14300(4200~18100)	18000(5200~19100)/19100(4800~21200)	24000(7400~28000)/27300(6800~31700)	36000(9800~44300)/38000(8800~46000)
		kW	3.60(1.35~4.40)/4.20(1.24~5.30)	5.00(1.53~5.60)/5.60(1.40~6.20)	7.00(2.16~8.20)/8.00(1.98~9.30)	10.55(2.9~13.5)/11.15(2.6~13.5)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1
		SEER/SCOP	6.2/4.1	6.3/4.0	6.5/4.2	6.1/4.0
Performance	ERP Energy Efficiency Class	W/W	A++/A+	A++/A+	A++/A+	A++/A
		Air Flow Volume	700/600/530	700/600/530	1300/1050/950	1800/1550/1350
	Sound Pressure Noise Level	dB(A)	45/44/36	45/44/36	47/43/38	51/48/45
		Sound Power Noise Level	56	56	57	62
Dimension (WxDxH)	Net(Body)	mm	570×570×260	570×570×260	835×835×250	835×835×290
	Packing(Body)	mm	655×655×295	655×655×295	910×910×310	910×910×350
	Net(Panel)	mm	650×650×55	650×650×55	950×950×55	950×950×55
	Packing(Panel)	mm	710×710×80	710×710×80	1000×1000×100	1000×1000×100
Weight	Net/Gross(Body)	kg	17/20	17/20	24/27.5	26.5/30.5
	Net/Gross(Panel)	kg	2.2/3.7	2.2/3.7	5.3/7.8	5.3/7.8
Piping size	Drainage	mm(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Applicable Area		m ²	15-32	21-35	28-47	56-93
Stuffing Quantity	20/40/40H	set	66/139/165	66/139/165	36/76/86	27/62/66

Specification-R32 50Hz DC Inverter



Model	Indoor		ALCA-H42/NDR3HAA	ALCA-H48/SDR3HAA	ALCA-H60/SDR3HAA
	Outdoor		AL-H42/NDR3A(U)	AL-H48/SDR3A(U)	AL-H60/SDR3A(U)
Capacity	Cooling/Heating	Btu/h	42000(9800~46000)/46000(8800~51100)	48000(16241~56298)/55000(16309~55104)	55000(16241~59710)/58000(16308~63122)
		kW	12.1(2.9~13.5)/13.5(2.6~15)	14.00(4.76~16.5)/16.00(4.78~16.15)	16.00(4.76~17.5)/17.00(4.78~18.50)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	380~415,50,3	380~415,50,3
		SEER/SCOP	6.1/4.0	6.1/4.0	6.1/4.0
Performance	ERP Energy Efficiency Class	W/W	A++/A+	A++/A+	A++/A+
		Air Flow Volume	1800/1550/1350	1950/1750/1500	1950/1750/1500
	Sound Pressure Noise Level	dB(A)	51/48/45	52/50/48	52/50/48
		Sound Power Noise Level	62	65	65
Dimension (WxDxH)	Net(Body)	mm	835×835×290	835×835×290	835×835×290
	Packing(Body)	mm	910×910×350	910×910×350	910×910×350
	Net(Panel)	mm	950×950×55	950×950×55	950×950×55
	Packing(Panel)	mm	1000×1000×100	1000×1000×100	1000×1000×100
Weight	Net/Gross(Body)	kg	26.5/30.5	31/35	31/35
	Net/Gross(Panel)	kg	5.3/7.8	5.3/7.8	5.3/7.8
Piping size	Drainage	mm(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Applicable Area		m ²	64-107	64-107	64-107
Stuffing Quantity	20/40/40H	set	27/62/66	22/50/54	22/50/54

★ Remark: The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.

Cassette



Specification-R410A 50Hz DC Inverter

Model	Indoor		ALCA-H18/4DR1HBA	ALCA-H24/4DR1HAA	ALCA-H36/4DR1HA
	Outdoor		AL-H18/4DR1HA(U)	AL-H24/4DR1HA(U)	AL-H36/4DR1H(U)
Capacity	Cooling/Heating	Btu/h	18000(5220~19100)/19100(4800~21200)	24000(7400~28000)/27300(6800~31800)	36000(9900~41000)/42650(8900~41000)
		kW	5.00(1.53~5.60)/5.60(1.40~6.20)	7.00(2.16~8.20)/8.00(1.98~9.30)	10.5(2.9~12.0)/12.5(2.6~13.2)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1
	Cooling /HeatingPower Input	kW	1.62(0.47~2.30)/1.47(0.46~2.25)	2.18(0.67~3.56)/1.91(0.65~3.62)	3.28(0.71~4.71)/3.64(0.47~4.13)
Performance	SEER/SCOP	W/W	6.1/4.0	6.1/4.0	6.1/4.0
	ERP Energy Efficiency Class		A++/A+	A++/A+	A++/A+
	Air Flow Volume	m ³ /h	700/600/530	1300/1050/950	1800/1550/1350
	Sound Pressure Noise Level	dB(A)	45/44/36	47/43/38	51/48/45
	Sound Power Noise Level	dB(A)	56	57	62
Dimension (WxDxH)	Net(Body)	mm	570×570×260	835×835×250	835×835×290
	Packing(Body)	mm	655×655×295	910×910×310	910×910×350
	Net(Panel)	mm	650×650×55	950×950×55	950×950×55
	Packing(Panel)	mm	710×710×80	1000×1000×100	1000×1000×100
Weight	Net/Gross(Body)	kg	17/20	24/27.5	26.5/30.5
	Net/Gross(Panel)	kg	2.2/3.7	5.3/7.8	5.3/7.8
Piping size	Drainage	mm(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Applicable Area		m ²	21-35	28-47	56-93
Stuffing Quantity	20/40/40H	set	66/139/165	36/76/86	20/50/55

Specification-R410A 50Hz DC Inverter

Model	Indoor		ALCA-H42/4DR1HA	ALCA-H48/5DR1HA	ALCA-H60/5DR1HA	ALCA-H36/4DR1HBA
	Outdoor		AL-H42/4DR1H(U)	AL-H48/5DR1H(U)	AL-H60/5DR1H(U)	AL-H36/4DR1HA(U)
Capacity	Cooling/Heating	Btu/h	42000(10900~45000)/46000(10200~50150)	48000(14000~54600)/55000(15700~59700)	55000(16400~59000)/60000(16700~63100)	36000(11942~44300)/38000(8530~46000)
		kW	12.1(3.2~13.2)/13.5(3.0~14.7)	14.00(4.10~16.00)/16.00(4.60~17.50)	16.00(4.80~17.30)/17.00(4.90~18.50)	10.55(2.9~13.2)/11.15(2.6~13.5)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	380~415,50,3	380~415,50,3	220~240,50,1
	Cooling /HeatingPower Input	kW	4.28(0.8~5.39)/4.10(0.58~4.90)	4.95(1.21~6.48)/4.57(0.92~5.66)	5.71(1.38~6.85)/4.96(0.98~6.00)	3.28(0.71~4.71)/3.64(0.47~4.13)
Performance	SEER/SCOP	W/W	6.1/4.0	6.1/4.0	6.1/4.0	6.1/4.0
	ERP Energy Efficiency Class		A++/A+	A++/A+	A++/A+	A++/A+
	Air Flow Volume	m ³ /h	1800/1550/1350	1950/1750/1500	1950/1750/1500	1800/1550/1350
	Sound Pressure Noise Level	dB(A)	51/48/45	53/48/42	53/48/42	51/48/45
	Sound Power Noise Level	dB(A)	62	63	63	62
Dimension (WxDxH)	Net(Body)	mm	835×835×290	835×835×290	835×835×290	835×835×290
	Packing(Body)	mm	910×910×350	910×910×350	910×910×350	910×910×350
	Net(Panel)	mm	950×950×55	950×950×55	950×950×55	950×950×55
	Packing(Panel)	mm	1000×1000×100	1000×1000×100	1000×1000×100	1000×1000×100
Weight	Net/Gross(Body)	kg	26.5/30.5	26.5/30.5	26.5/30.5	26.5/30.5
	Net/Gross(Panel)	kg	5.3/7.8	5.3/7.8	5.3/7.8	5.3/7.8
Piping size	Drainage	mm(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Applicable Area		m ²	64-107	64-107	64-107	56-93
Stuffing Quantity	20/40/40H	set	20/50/55	20/50/55	22/50/55	28/63/72

★ Remark:The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.

Cassette



Specification-R32 50Hz DC Inverter **New**



Model	Indoor		ALCA-H12/NDR3HYB	ALCA-H18/NDR3HYB	ALCA-H24/NDR3HYB	ALCA-H36/NDR3HYB
	Outdoor		AL-H12/NDR3A(U)	AL-H18/NDR3A(U)	AL-H24/NDR3A(U)	AL-H36/NDR3A(U)
Capacity	Cooling/Heating	Btu/h	12000(4600~15000)/14300(4200~18100)	18000(5200~19100)/19100(4800~21200)	24000(7400~28000)/27300(6800~31700)	36000(9800~44300)/38000(8800~46000)
		kW	3.60(1.35~4.40)/4.20(1.24~5.30)	5.00(1.53~5.60)/5.60(1.40~6.20)	7.00(2.16~8.20)/8.00(1.98~9.30)	10.55(2.9~13)/11.15(2.6~13.5)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1
		SEER/SCOP	6.2/4.1	6.3/4.0	6.5/4.2	6.1/4.0
Performance	ERP Energy Efficiency Class		A++/A+	A++/A+	A++/A+	A++/A+
	Air Flow Volume		700/600/530	700/600/530	1500/1350/1200	1950/1700/1600
	Sound Pressure Noise Level		45/44/36	45/44/36	49/47/44	52/50/48
	Sound Power Noise Level		56	56	59	59
Dimension (WxDxH)	Net(Body)		570×570×260	570×570×260	840×840×246	840×840×288
	Packing(Body)		655×655×295	655×655×295	910×910×310	910×910×350
	Net(Panel)		650×650×55	650×650×55	950×950×55	950×950×55
	Packing(Panel)		710×710×80	710×710×80	1000×1000×100	1000×1000×100
Weight	Net/Gross(Body)		17/20	17/20	26/30	28/33
	Net/Gross(Panel)		2.2/3.7	2.2/3.7	5.3/7.8	5.3/7.8
Piping size	Drainage	mm(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Applicable Area		m ²	15-32	21-35	28-47	56-93
Stuffing Quantity	20/40/40H	set	66/139/165	66/139/165	36/76/86	27/62/66

Specification-R32 50Hz DC Inverter **New**



Model	Indoor		ALCA-H42/NDR3HYB	ALCA-H48/SDR3HYB	ALCA-H60/SDR3HYB
	Outdoor		AL-H42/NDR3A(U)	AL-H48/SDR3A(U)	AL-H60/SDR3A(U)
Capacity	Cooling/Heating	Btu/h	42000(9800~46000)/46000(8800~51100)	48000(16241~56298)/55000(16309~55104)	55000(16241~59710)/58000(16308~63122)
		kW	12.1(2.9~13.5)/13.5(2.6~15)	14.00(4.76~16.5)/16.00(4.78~16.15)	16.00(4.76~17.5)/17.00(4.78~18.50)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	380~415,50,3	380~415,50,3
		SEER/SCOP	6.1/4.0	6.1/4.0	6.1/4.0
Performance	ERP Energy Efficiency Class		A++/A+	A++/A+	A++/A+
	Air Flow Volume		2000/1700/1600	2000/1700/1600	2000/1700/1600
	Sound Pressure Noise Level		54/52/48	54/52/48	54/52/48
	Sound Power Noise Level		67	67	67
Dimension (WxDxH)	Net(Body)		840×840×288	840×840×288	840×840×288
	Packing(Body)		910×910×350	910×910×350	910×910×350
	Net(Panel)		950×950×55	950×950×55	950×950×55
	Packing(Panel)		1000×1000×100	1000×1000×100	1000×1000×100
Weight	Net/Gross(Body)		30/35	30/35	30/35
	Net/Gross(Panel)		5.3/7.8	5.3/7.8	5.3/7.8
Piping size	Drainage	mm(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Applicable Area		m ²	64-107	64-107	64-107
Stuffing Quantity	20/40/40H	set	27/62/66	22/50/54	22/50/54

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Inverter Series Ceiling&Floor

Inverter Series

FEATURES

■ optional ■ standard



Auto Restart Function



Hydrophilic Aluminum Fin



Fast Cooling/Heating



Low Ambient Cooling



Intelligent Defrosting



Remote Control



3D Air Flow



Long-term Filter



Wired Control



Central Control



Golden Fin



WIFI Control

Ceiling&Floor



Standard

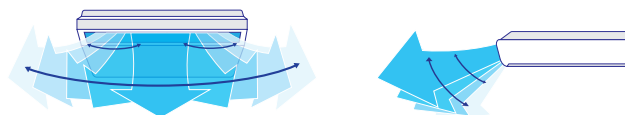


Optional



3D Air Swing

Vertical and horizontal swing makes air below to every corner of the room.



Ultra Slim Design

The thickness is only 205mm, save installation space.



Innovative Centrifugal Fan

All units are equipped with 3-speed fan mode, adjusting the air flow rate in accordance with the ceiling height. Innovative centrifugal fan provides larger air volume but lower noise, making the air supply more quietly and smoothly.



Flexible Installation

Can be vertically installed against the wall or horizontally installed under the ceiling.



Ceiling&Floor



Specification-R32 50Hz DC Inverter



Model	Indoor		ALCF-H18/NDR3HA	ALCF-H24/NDR3HA	ALCF-H36/NDR3HA
	Outdoor		AL-H18/NDR3A(U)	AL-H24/NDR3A(U)	AL-H36/NDR3A(U)
Capacity	Cooling/Heating	Btu/h	18000(5200~19100)/19100(4800~21200)	24000(7400~28000)/27300(6800~31700)	36000(9800~44300)/38000(8800~46000)
		kW	5.00(1.53~5.60)/5.60(1.40~6.20)	7.00(2.16~8.20)/8.00(1.98~9.30)	10.55(2.9~13)/11.15(2.6~13.5)
Performance	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1
	SEER/SCOP	W/W	6.1/4.1	6.3/4.1	6.1/4.0
	ERP Energy Efficiency Class		A++/A+	A++/A+	A++/A+
	Air Flow Volume	m ³ /h	900/730/650	1300/1052/920	1800/1550/1350
	Sound Pressure Noise Level	dB(A)	45/40/34	47/43/38	53/50/47
Dimension (W×D×H)	Net	mm	929×660×205	1280×660×205	1631×660×205
	Packing	mm	1010×720×290	1360×720×290	1710×720×290
Weight	Net/Gross	kg	25/28	32/38	44/50
Piping size	Drainage	mm/(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Applicable Area		m ²	21-35	28-47	56-93
Stuffing Quantity	20/40/40H	set	57/123/149	48/92/102	32/70/81

Specification-R32 50Hz DC Inverter



Model	Indoor		ALCF-H42/NDR3HA	ALCF-H48/SDR3HA	ALCF-H60/SDR3HA
	Outdoor		AL-H42/NDR3A(U)	AL-H48/SDR3A(U)	AL-H60/SDR3A(U)
Capacity	Cooling/Heating	Btu/h	42000(9800~46000)/46000(8800~51100)	48000(16241~56298)/55000(16309~55104)	55000(16241~59710)/58000(16308~63122)
		kW	12.1(2.9~13.5)/13.5(2.6~15)	14.00(4.76~16.50)/16.00(4.78~16.15)	16.00(4.76~17.5)/17.00(4.78~18.50)
Performance	Power Supply	V~,Hz,Ph	220~240,50,1	380~415,50,3	380~415,50,3
	SEER/SCOP	W/W	6.1/4.0	6.1/4.0	6.1/4.0
	ERP Energy Efficiency Class		A++/A+	A++/A+	A++/A+
	Air Flow Volume	m ³ /h	1800/1550/1350	1900/1600/1400	1900/1600/1400
	Sound Pressure Noise Level	dB(A)	53/50/47	53/51/49	53/51/49
Dimension (W×D×H)	Net	mm	1631×660×205	1631×660×205	1631×660×205
	Packing	mm	1710×720×290	1710×720×290	1710×720×290
Weight	Net/Gross	kg	44/50	44/50	44/50
Piping size	Drainage	mm/(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Applicable Area		m ²	64-107	64-107	64-107
Stuffing Quantity	20/40/40H	set	32/70/81	24/54/54	24/54/54

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Ceiling&Floor

Specification-R410A 50Hz DC Inverter

Model	Indoor		ALCF-H18/4DR1HA	ALCF-H24/4DR1HA	ALCF-H36/4DR1H
	Outdoor		AL-H18/4DR1HA(U)	AL-H24/4DR1HA(U)	AL-H36/4DR1H(U)
Capacity	Cooling/Heating	Btu/h	18000(5220~19100)/19100(4800~21200)	24000(7400~28000)/27300(6800~31800)	36000(9900~40900)/42650(8900~45000)
		kW	5.00(1.53~5.60)/5.60(1.40~6.20)	7.00(2.16~8.20)/8.00(1.98~9.30)	10.5(2.9~12.0)/12.5(2.6~13.2)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1
	Cooling/Heating Power Input	W	1.62(0.47~2.30)/1.47(0.46~2.25)	2.25(0.67~3.56)/1.91(0.65~3.62)	3.37(0.71~4.71)/3.68(0.47~4.13)
Performance	SEER/SCOP	W/W	6.1/4.0	6.1/4.0	6.1/4.0
	ERP Energy Efficiency Class		A++/A+	A++/A+	A++/A+
	Air Flow Volume	m ³ /h	900/730/650	1300/1052/920	1800/1550/1350
	Sound Pressure Noise Level	dB(A)	45/42/37	47/45/43	53/50/47
	Sound Power Noise Level	dB(A)	55	57	63
Dimension (W×D×H)	Net	mm	929×660×205	1280×660×205	1631×660×205
	Packing	mm	1010×720×290	1360×720×290	1710×720×290
Weight	Net/Gross	kg	25/28	32/38	44/50
Piping size	Drainage	mm/(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Applicable Area		m ²	21-35	28-47	56-93
Stuffing Quantity	20/40/40H	set	57/123/149	48/92/102	22/55/55

Specification-R410A 50Hz DC Inverter

Model	Indoor		ALCF-H42/4DR1H	ALCF-H48/5DR1H	ALCF-H60/5DR1H	ALCF-H36/4DR1HA
	Outdoor		AL-H42/4DR1H(U)	AL-H48/5DR1H(U)	AL-H60/5DR1H(U)	AL-H36/4DR1HA(U)
Capacity	Cooling/Heating	Btu/h	41285(10900~45000)/46062(10200~50150)	48000(14000~54600)/55000(15700~59700)	55000(16400~59000)/60000(16700~63100)	36000(9000~41000)/38000(10000~45000)
		kW	12.1(3.2~13.2)/13.5(3.0~14.7)	14.00(4.10~16.00)/16.00(4.60~17.50)	16.00(4.80~17.30)/17.00(4.90~18.50)	10.5(2.64~12.02)/11.14(2.93~13.19)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	380~415,50,3	380~415,50,3	220~240,50,1
	Cooling/Heating Power Input	W	4.28(0.8~5.39)/4.02(0.58~4.90)	4.95(1.21~6.48)/4.57(0.92~5.66)	5.8(1.38~6.85)/4.96(0.98~6.00)	3.37(0.71~4.71)/3.68(0.47~4.13)
Performance	SEER/SCOP	W/W	6.1/4.0	6.1/4.0	6.1/4.0	6.1/4.0
	ERP Energy Efficiency Class		A++/A+	A++/A+	A++/A+	A++/A+
	Air Flow Volume	m ³ /h	1800/1550/1350	1900/1600/1400	1900/1600/1400	1800/1550/1350
	Sound Pressure Noise Level	dB(A)	53/50/47	54/50/46	54/50/46	53/50/47
	Sound Power Noise Level	dB(A)	63	64	64	63
Dimension (W×D×H)	Net	mm	1631×660×205	1631×660×205	1631×660×205	1630×660×205
	Packing	mm	1710×720×290	1710×720×290	1710×720×290	1710×720×290
Weight	Net/Gross	kg	44/50	44/50	44/50	44/50
Piping size	Drainage	mm/(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Applicable Area		m ²	64-107	64-107	64-107	56-93
Stuffing Quantity	20/40/40H	set	22/55/55	22/55/55	22/55/55	32/70/81

★ Remark: The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.

Inverter Series Duct

FEATURES

■ optional ■ standard



Auto Restart
Function



Hydrophilic
Aluminum Fin



Fast Cooling/
Heating



Low Ambient
Cooling



Intelligent
Defrosting



Long-term Filter



Wired Control



Remote Control



Central Control



Golden Fin



WIFI Control

Duct



Standard

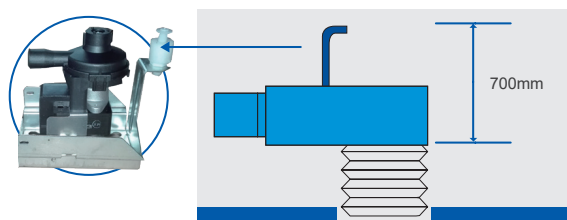


Optional



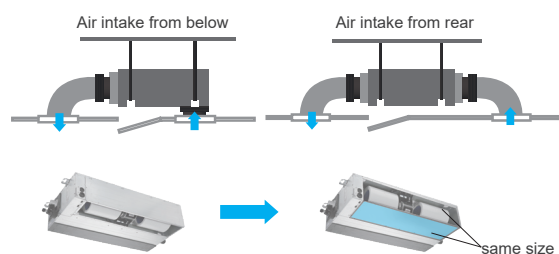
Built-In Drain Pump (Optional)

The built-in drain pump can lift condensing water up to 700mm high from the drainage pan.



Flexible Installation

Air intake from rear as standard, from bottom is optional. The size of the plate from bottom is the same as the flange from back, which makes it convenient to change installation style due to different decoration requirements.



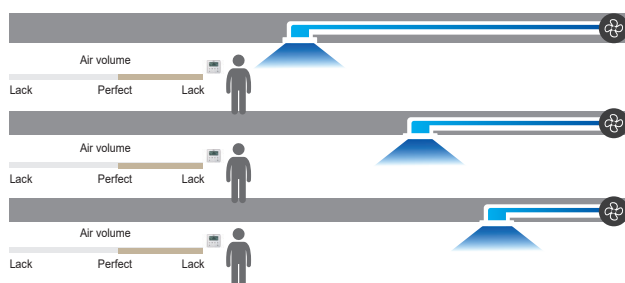
High Static-Pressure

Adjustable static pressure from 0 Pa to maximum 160Pa.

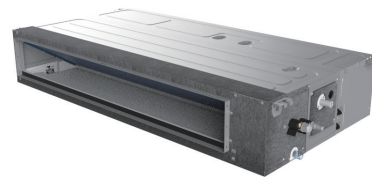


Self-adaption technology

Automatic ESP Adjustment function will adapt the unit to any ducting with optimized air volume and minimized noise level automatically, making more comfortable in any situation.



Duct



Specification-R32 50Hz DC Inverter



Model	Indoor		ALMD-H18/NDR3HA	ALMD-H24/NDR3HA	ALMD-H30/NDR3HA	ALMD-H36/NDR3HA
	Outdoor		AL-H18/NDR3A(U)	AL-H24/NDR3A(U)	AL-H30/NDR3A(U)	AL-H36/NDR3A(U)
Capacity	Cooling/Heating	Btu/h	18000(5200-19100)/19100(4800-21200)	24000(7400-28000)/27300(6800-31700)	28660(8490-31390)/30700(9760-32760)	36000(9800-44300)/38000(8800-46000)
		kW	5.00(1.53-5.60)/5.60(1.40-6.20)	7.00(2.16-8.20)/8.00(1.98-9.30)	8.4(2.49-9.20)/9.0(2.86-9.60)	10.55(2.9-13)/11.15(2.6-13.5)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1
		W/W	6.2/4.0	6.1/4.0	6.1/4.1	6.1/4.0
Performance	SEER/SCOP		A++/A+	A++/A+	A++/A+	A++/A+
	ERP Energy Efficiency Class		A++/A+	A++/A+	A++/A+	A++/A+
	Air Flow Volume		m ³ /h	1150/960/840	1400/1190/980	1600/1400/1100
	Sound Pressure Noise Level		dB(A)	43/41/40	44/41/39	46/44/41
	Sound Power Noise Level		dB(A)	53	55	57
Dimension (WxDxH)	Net		mm	1000×700×245	1000×700×245	1400×700×245
	Packing		mm	1230×830×300	1230×830×300	1630×830×300
Weight	Net/Gross		kg	31/37	32/38	42/48
Piping size	Drainage		mm(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Applicable Area			m ²	21-35	28-47	32-80
Stuffing Quantity	20/40/40H		set	46/97/112	42/89/99	32/64/83

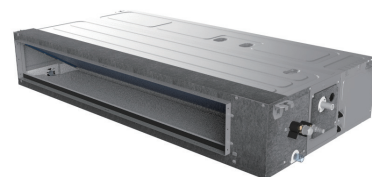
Specification-R32 50Hz DC Inverter



Model	Indoor		ALMD-H42/NDR3HA	ALMD-H48/SDR3HA	ALMD-H60/SDR3HA
	Outdoor		AL-H42/NDR3A(U)	AL-H48/SDR3A(U)	AL-H60/SDR3A(U)
Capacity	Cooling/Heating	Btu/h	42000(9800-46000)/46000(8800-51100)	48000(16241~56298)/55000(16309~55104)	55000(16241-59710)/58000(16308-63122)
		kW	12.1(2.9-13.5)/13.5(2.6-15)	14.0(4.76~16.50)/16.00(4.78~16.15)	16.00(4.76-17.50)/17.00(4.78-18.50)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	380~415,50,3	380~415,50,3
		W/W	6.1/4.1	6.1/4.0	6.1/4.0
Performance	SEER/SCOP		A++/A+	A++/A+	A++/A+
	ERP Energy Efficiency Class		A++/A+	A++/A+	A++/A+
	Air Flow Volume		m ³ /h	1900/1600/1400	2300/2000/1700
	Sound Pressure Noise Level		dB(A)	44/41/39	52/49/47
	Sound Power Noise Level		dB(A)	55	64
Dimension (WxDxH)	Net		mm	1400×700×245	1400×700×245
	Packing		mm	1630×830×300	1630×830×300
Weight	Net/Gross		kg	42/48	42/48
Piping size	Drainage		mm(inch)	DN20(R3/4)	DN20(R3/4)
Applicable Area			m ²	56-93	64-107
Stuffing Quantity	20/40/40H		set	27/56/69	22/49/52

★ Remark: The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.

Duct



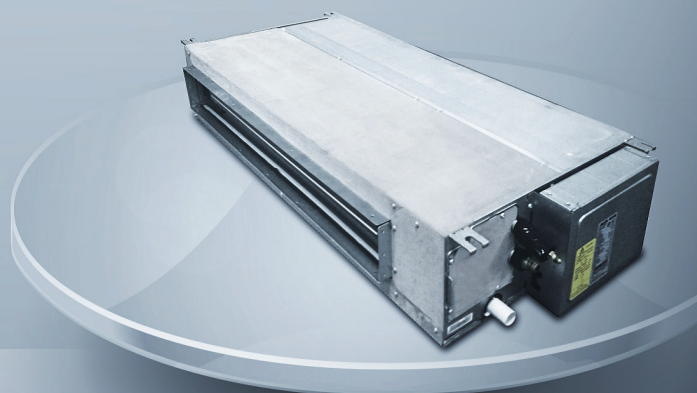
Specification-R410A 50Hz DC Inverter

Model	Indoor		ALMD-H18/4DR1C	ALMD-H24/4DR1C	ALMD-H36/4DR1HA
	Outdoor		AL-H18/4DR1C	AL-H24/4DR1HC	AL-H36/4DR1HA(U)
Capacity	Cooling/Heating	Btu/h	18000(5220-19107)/19100(4777-21154)	24000(7370-27978)/27000(6756-31732)	36000(11942-44300)/38000(8630-46000)
		kW	5.0(1.53-5.6)/5.6(1.4-6.2)	7.0(2.16-8.2)/8.0(1.98-9.3)	10.55(3.5-13)/11.15(2.5-13.5)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1
	Cooling/Heating Power Input	kW	1.62(0.47~2.30)/1.47(0.46~2.25)	2.25(0.67~3.56)/1.91(0.65~3.62)	3.5(0.65~4.61)/3.6(0.52~4.76)
Performance	SEER/SCOP	W/W	6.1/4.0	6.1/4.0	6.1/4.0
	ERP Energy Efficiency Class		A++/A+	A++/A+	A++/A+
	Air Flow Volume	m³/h	1000/800/680	1300/1090/880	1900/1600/1400
	Sound Pressure Noise Level	dB(A)	43/41/40	44/41/39	44/41/39
	Sound Power Noise Level	dB(A)	53	55	55
	ESP	Pa	0-160	0-160	0-160
Dimension (WxDxH)	Net	mm	1000x700x245	1000x700x245	1400x700x245
	Packing	mm	1230x830x300	1230x830x300	1630x830x300
Weight	Net/Gross	kg	31/37	32/38	42/48
Piping size	Drainage	mm(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Applicable Area		m²	21-35	28-47	56-93
Stuffing Quantity	20/40/40H	set	46/97/112	42/89/99	27/56/69

Specification-R410A 50Hz DC Inverter

Model	Indoor		ALMD-H48/5DR1C	ALMD-H60/5DR1C
	Outdoor		AL-H48/5DR1C	AL-H60/5DR1C
Capacity	Cooling/Heating	Btu/h	48000(14330-51589)/52000(15695-59710)	55000(7370-27978)/63500(6756-31732)
		kW	14.06(4.2-15.12)/15.24(4.6-17.50)	16.12(4.8-17.30)/18.61(4.9-19.80)
Electric Data	Power Supply	V~,Hz,Ph	380~415,50,3	380~415,50,3
	Cooling/Heating Power Input	kW	5.02(1.29~7.5)/5.01(1.26~7.0)	5.97(1.49~7.80)/6.08(0.65~3.62)
Performance	SEER/SCOP	W/W	6.1/4.0	6.1/4.0
	ERP Energy Efficiency Class		A++/A+	A++/A+
	Air Flow Volume	m³/h	1900/1600/1400	2030/1880/1670
	Sound Pressure Noise Level	dB(A)	53/50/44	53/50/44
	Sound Power Noise Level	dB(A)	65	67
	ESP	Pa	0-160	0-160
Dimension (WxDxH)	Net	mm	1400X700X245	1400X700X245
	Packing	mm	1630X830X300	1630X830X300
Weight	Net/Gross	kg	47/54	47/54
Piping size	Drainage	mm(inch)	DN20(R3/4)	DN20(R3/4)
Applicable Area		m²	56-93	64-107
Stuffing Quantity	20/40/40H	set	46/97/112	42/89/99

★ Remark:The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.



Inverter Series Free Match

Inverter Series-Free Match

Inverter Series

Free Match



Standard

Optional



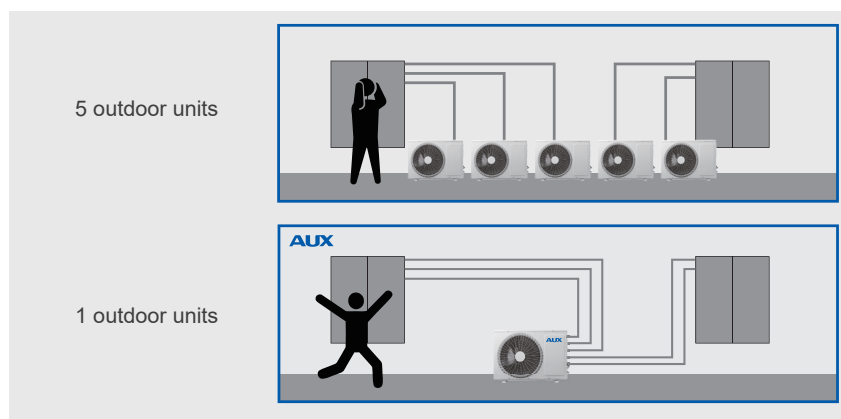
Environmental-friendly Refrigerant R32

The GWP value of R32 is smaller, so the effect on the greenhouse effect is smaller.
The ODP value of R32 is 0, so it's no harm to our planet's ozone layer.



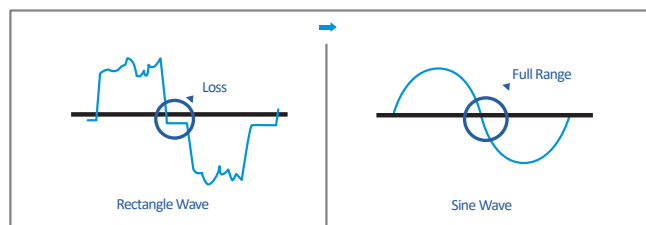
Space-Saving Installation

Up to 5 indoor units can be connected to a single outdoor unit, which reduces the number of outdoor units required so as to save installation space. Besides, each indoor unit can be controlled individually and they even needn't be installed at the same time.



Energy Saving

Cutting-edge DC inverter of sine wave control and active PFC technology realize low noise and economical operation.



Combination Table

Multi DC Outdoor Unit

Suggested Combination

1 drive 2



AM2-H14/4DR3

One Unit

7

9

12

18

Two Units

7+7

7+9

9+9

/

/

/

/

/

1 drive 2



AM2-H18/4DR3

One Unit

9

12

18

/

Two Units

7+7

7+9

7+12

9+9

9+12

/

/

/

1 drive 3



AM3-H21/4DR3

One Unit

18

24

/

/

/

Two Units

7+7

7+9

7+12

7+18

9+9

9+12

9+18

12+12

/

/

Three Units

7+7+7

7+7+9

7+7+12

7+9+9

9+9+9

/

/

/

/

/

1 drive 3



AM3-H27/4DR3

One Unit

18

24

/

/

/

/

Two Units

7+7

7+9

7+12

7+18

7+24

9+9

9+12

9+18

9+24

12+12

12+18

/

Three Units

7+7+7

7+7+9

7+7+12

7+7+18

7+9+9

7+9+12

7+9+18

7+12+12

9+9+9

9+9+12

9+12+12

/

1 drive 4



AM4-H36/4DR3

One Unit

18

24

/

/

/

/

Two Units

7+12

7+18

7+24

9+9

9+12

9+18

9+24

12+12

12+18

12+24

18+18

18+24

/

/

Three Units

7+7+7

7+7+9

7+7+12

7+7+18

7+7+24

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9+12+24

9+12+24

Four Units

7+7+7+7

7+7+7+9

7+7+7+12

7+7+7+18

7+7+7+24

7+9+9+9

7+9+9+12

7+9+9+18

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7+9+9+24

7+9+9+24

7+9+9+24

7+9+9+24

7+9+9+24

7+9+9+24

1 drive 5



AM5-H42/4DR3

One Unit

18

24

/

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/

/

/

/

/

/

Two Units

7+18

7+24

9+12

9+18

9+24

12+12

12+18

12+24

18+18

18+24

18+24

18+24

18+24

18+24

18+24

18+24

18+24

18+24

Three Units

7+7+7

7+7+9

7+7+12

7+7+18

7+7+24

7+9+9

7+9+12

7+9+18

7+9+24

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7+9+24

7+9+24

7+9+24

Four Units

7+7+7+7

7+7+7+9

7+7+7+12

7+7+7+18

7+7+7+24

7+9+9+9

7+9+9+12

7+9+9+18

7+9+9+24

7+9+9+24

7+9+9+24

7+9+9+24

7+9+9+24

7+9+9+24

7+9+9+24

7+9+9+24

7+9+9+24

7+9+9+24

Five Units

7+7+7+7+7

7+7+7+7+9

7+7+7+7+12

7+7+7+7+18

7+7+7+7+24

7+9+9+9+9

7+9+9+9+12

7+9+9+9+18

7+9+9+9+24

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7+9+9+9+24

7+9+9+9+24

7+9+9+9+24

7+9+9+9+24

7+9+9+9+24

Combination Table

Multi DC Outdoor Unit

Suggested Combination

1 drive 2

AM2-H14/4DR1



One Unit		Two Units	
7		7+7	/
9		7+9	/
12		9+9	/
18		/	/

1 drive 2

AM2-H18/4DR1B



One Unit		Two Units	
9		7+7	9+12
12		7+9	/
18		7+12	/
/		9+9	/

1 drive3

AM3-H21/4DR1



One Unit	Two Units		Three Units	
18	7+7	9+12	7+7+7	/
/	7+9	9+18	7+7+9	/
/	7+12	12+12	7+7+12	/
/	7+18	/	7+9+9	/
/	9+9	/	9+9+9	/

1 drive 3

AM3-H27/4DR1B



One Unit	Two Units		Three Units	
18	7+7	9+18	7+7+7	7+9+18
/	7+9	12+12	7+7+9	7+12+12
/	7+12	12+18	7+7+12	9+9+9
/	7+18	/	7+7+18	9+9+12
/	9+9	/	7+9+9	9+12+12
/	9+12	/	7+9+12	/

1 drive 4

AM4-H36/4DR1



One Unit	Two Units		Three Units			Four Units		
18	7+12	18+18	7+7+7	7+12+12	9+12+18	7+7+7+7	7+7+12+12	7+12+12+12
/	7+18	/	7+7+9	7+12+18	9+18+18	7+7+7+9	7+7+12+18	9+9+9+9
/	9+9	/	7+7+12	7+18+18	12+12+12	7+7+7+12	7+9+9+9	9+9+9+12
/	9+12	/	7+7+18	9+9+9	12+12+18	7+7+7+18	7+9+9+12	9+9+9+18
/	9+18	/	7+9+9	9+9+12	/	7+7+9+9	7+9+9+18	9+9+12+12
/	12+12	/	7+9+12	9+9+18	/	7+7+9+12	7+9+12+12	9+12+12+12
/	12+18	/	7+9+18	9+12+12	/	7+7+9+18	7+9+12+18	/

1 drive 5

AM5-H42/4DR1



One Unit	Two Units		Three Units				Four Units			
18	7+18	/	7+7+7	7+9+18	9+9+18	12+18+18	7+7+7+7	7+7+9+18	7+9+12+12	9+9+12+12
/	9+12	/	7+7+9	7+12+12	9+12+12	18+18+18	7+7+7+9	7+7+12+18	7+9+12+18	9+12+12+12
/	9+18	/	7+7+12	7+12+18	9+12+18	/	7+7+7+12	7+7+12+18	7+12+12+12	9+12+12+18
/	12+12	/	7+7+18	7+18+18	9+18+18	/	7+7+7+18	7+9+9+9	9+9+9+9	12+12+12+12
/	12+18	/	7+9+9	9+9+9	12+12+12	/	7+7+9+9	7+9+9+12	9+9+9+12	12+12+12+18
/	18+18	/	7+9+12	9+9+12	12+12+18	/	7+7+9+12	7+9+9+18	9+9+9+18	/
Five Units										
7+7+7+7+7			7+7+7+9+18			7+7+9+12+12			7+9+12+12+12	
7+7+7+7+9			7+7+7+12+12			7+7+9+12+18			7+9+12+12+12	
7+7+7+7+12			7+7+7+12+18			7+7+12+12+12			9+9+9+9+9	
7+7+7+7+18			7+7+9+9+9			7+9+9+9+9			9+9+9+9+12	
7+7+7+9+9			7+7+9+9+12			7+9+9+9+12			9+9+9+9+18	
7+7+7+9+12			7+7+9+9+18			7+9+9+9+18			9+9+9+12+12	

Outdoor Units



Specification-R32 50Hz DC Inverter



Model	Outdoor Unit		AM2-H14/4DR3	AM2-H18/4DR3	AM3-H21/4DR3
System Format			1 drive 2	1 drive 2	1 drive 3
Capacity	Cooling/Heating	Btu/h kW	13989(6142~15388)/16378(6995~18015) 4.1(1.8~4.51)/4.8(2.05~5.28)	18084(6824~19892)/19107(7541~21017) 5.3(2.0~5.83)/5.6(2.21~6.16)	21154(7506~22895)/22519(8155~24771) 6.2(2.2~6.71)/ 6.6(2.39~7.26)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1
	Cooling/Heating Power Input	W	1240/ 1150	1750/ 1540	1920/ 1780
	Rated Current(cooling&heating)	A	5.4/5	7.6/6.7	8.3/7.8
Performance	SEER/SCOP	W/W	6.16/4.06	7.07/4.08	6.57/4.38
	ERP Energy Efficiency Class		A++/A+	A++/A+	A++/A+
	Air Flow Volume	m ³ /h	2300	2300	3100
	Sound Pressure Noise Level	dB(A)	54	55	56
	Sound Power Noise Level	dB(A)	61	62	65
Dimension (W×D×H)	Net	mm	800×315×545	800×315×545	834×328×655
	Packing	mm	920×400×620	920×400×620	945×435×725
Weight	Net/Gross	kg	34/37	36/39	44/47
Piping size	Liquid Side	mm(inch)	2×6.35(1/4)	2×6.35(1/4)	3×6.35(1/4)
	Gas Side	mm(inch)	2×9.52(3/8)	2×9.52(3/8)	3×9.52(3/8)
Max.Pipe Length	Between IDU to ODU	m	25	25	30
Max.Height Difference	Between ODU to IDU	m	15	15	15
Ambient temperature	Cooling/Heating	°C	-15~52/-15~24	-15~52/-15~24	-15~52/-15~24
Stuffing Quantity	20/40/40H	unit	102/219/292	102/219/292	96/198/198

Specification-R32 50Hz DC Inverter



Model	Outdoor Unit		AM3-H27/4DR3	AM4-H36/4DR3	AM5-H42/4DR3
System Format			1 drive 3	1 drive 4	1 drive 5
Capacity	Cooling/Heating	Btu/h kW	26955(7848~29650) /27978(8359~30776) 7.9(2.3~8.69)/8.2(2.45~9.02)	35826(8530~37532)/37532(9110~38214) 10.50(2.5~11.0)/11.00(2.67~11.2)	40944(9451~43332)/44356(10100~44800) 12(2.77~12.7)/13(2.96~13.1)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1
	Cooling/Heating Power Input	W	2460/ 2270	3950/3150	4450/3750
	Rated Current(cooling&heating)	A	10.7/9.8	17.5/13.96	19.72/16.62
Performance	SEER/SCOP	W/W	6.30/4.04	6.10/4.00	6.10/4.10
	ERP Energy Efficiency Class		A++/A+	A++/A+	A++/A+
	Air Flow Volume	m ³ /h	3100	4000	4200
	Sound Pressure Noise Level	dB(A)	58	61	61
	Sound Power Noise Level	dB(A)	65	68	68
Dimension (W×D×H)	Net	mm	834×328×655	985×395×808	985×395×808
	Packing	mm	945×435×725	1105×495×895	1105×495×895
Weight	Net/Gross	kg	46/49	74/78	75/79
Piping size	Liquid Side	mm(inch)	3×6.35(1/4)	4×6.35(1/4)	5×6.35(1/4)
	Gas Side	mm(inch)	3×9.52(3/8)	4×9.52(3/8)	5×9.52(3/8)
Max.Pipe Length	Between IDU to ODU	m	30	35	35
Max.Height Difference	Between ODU to IDU	m	15	15	15
Ambient temperature	Cooling/Heating	°C	-15~52/-15~24	-15~52/-15~24	-15~52/-15~24
Stuffing Quantity	20/40/40H	unit	96/198/198	44/96/144	44/96/144

★ Remark:The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.

Outdoor Units



Specification-R410A 50Hz DC Inverter

Model	Outdoor Unit		AM2-H14/4DR1	AM2-H18/4DR1B	AM3-H21/4DR1
System Format			1 drive 2	1 drive 2	1 drive 3
Capacity	Cooling/Heating	Btu/h kW	13989(6142~15388)/16378(6995~18015) 4.10(1.80~4.51)/4.80(2.05~5.28)	18084(6824~19892)/19107(7541~21017) 5.30(2.0~5.83)/5.60(2.21~6.16)	20813(7506~22895)/22519(8155~24771) 6.1(2.2~6.71)/6.60(2.39~7.26)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1
	Cooling/Heating Power Input	W	1240/1150	1750/1540	1920/1780
	Rated Current(cooling&heating) A		5.4/5.0	7.6/6.7	8.3/7.8
Performance	SEER/SCOP	W/W	6.16/4.14	6.20/4.14	6.16/4.09
	ERP Energy Efficiency Class		A++/A+	A++/A+	A++/A+
	Air Flow Volume	m³/h	2100	2100	2700
	Sound Pressure Noise Level	dB(A)	54	55	56
	Sound Power Noise Level	dB(A)	61	62	65
Dimension (W×D×H)	Net	mm	800×315×545	800×315×545	825×310×655
	Packing	mm	920×400×620	920×400×620	945×435×725
Weight	Net/Gross	kg	34/37	36/39	44/47
Piping size	Liquid Side	mm(inch)	2×6.35(1/4)	2×6.35(1/4)	3×6.35(1/4)
	Gas Side	mm(inch)	2×9.52(3/8)	2×9.52(3/8)	3×9.52(3/8)
Max.Pipe Length	Between IDU to ODU	m	25	25	30
Max.Height Difference	Between ODU to IDU	m	15	15	15
Ambient temperature	Cooling/Heating	°C	-10~52/-15~24	-10~52/-15~24	-10~52/-15~24
Stuffing Quantity	20/40/40H	unit	102/219/292	102/219/292	102/210/210

Specification-R410A 50Hz DC Inverter

Model	Outdoor Unit		AM3-H27/4DR1B	AM4-H36/4DR1	AM5-H42/4DR1
System Format			1 drive 3	1 drive 4	1 drive 5
Capacity	Cooling/Heating	Btu/h kW	26955(7848~29650)/27978(8359~30776) 7.90(2.3~8.69)/8.20(2.45~9.02)	35826(8530~37532)/37532(9110~38214) 10.50(2.5~11.0)/11.00(2.67~11.2)	40944(9451~43332)/44356(10100~44800) 12(2.77~12.7)/13(2.96~13.1)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1
	Cooling/Heating Power Input	W	2460/2270	3750/3000	4230/3570
	Rated Current(cooling&heating) A		10.7/9.8	16.4/12.15	18.72/16.12
Performance	SEER/SCOP	W/W	6.23/4.04	6.10/4.00	6.10/4.10
	ERP Energy Efficiency Class		A++/A+	A++/A+	A++/A+
	Air Flow Volume	m³/h	2700	4000	4200
	Sound Pressure Noise Level	dB(A)	58	61	61
	Sound Power Noise Level	dB(A)	65	68	68
Dimension (W×D×H)	Net	mm	822×302×655	985×395×808	985×395×808
	Packing	mm	945×430×725	1105×495×895	1105×495×895
Weight	Net/Gross	kg	46/49	74/78	75/79
Piping size	Liquid Side	mm(inch)	3×6.35(1/4)	4×6.35(1/4)	5×6.35(1/4)
	Gas Side	mm(inch)	3×9.52(3/8)	4×9.52(3/8)	5×9.52(3/8)
Max.Pipe Length	Between IDU to ODU	m	30	35	35
Max.Height Difference	Between ODU to IDU	m	15	15	15
Ambient temperature	Cooling/Heating	°C	-10~52/-15~24	-15~52/-15~24	-15~52/-15~24
Stuffing Quantity	20/40/40H	unit	102/210/210	62/132/198	62/132/198

★ Remark:The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.

Indoor Units

Specification-R32 Wall Mounted L Type



Model	Indoor unit		AMWM-H07/4R3(L*)	AMWM-H09/4R3(L*)	AMWM-H12/4R3(L*)	AMWM-H18/4R3(L*)
Capacity	Cooling/Heating	Btu/h kW	7165(3855~9220)/7510(3340~8530) 2.05(1.13~2.70)/2.15(0.98~2.50)	8701(3412~11260)/9042(3753~11260) 2.55(1.00~3.30)/2.65(1.10~3.30)	12283(4094~12966)/12624(3412~12966) 3.50(1.20~3.80)/3.50(1.00~3.80)	18083(6483~18766)/18425(4777~19107) 5.30(1.90~5.50)/5.40(1.40~5.60)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1
	Cooling/Heating Power Input	W	40(12~68)/40(12~68)	40(12~68)/40(12~68)	40(12~68)/40(12~68)	63(16~88)/63(16~88)
Performance	Air Flow Volume	m³/h	650/450/395	650/450/395	650/450/395	1000/860/688
	Sound Pressure Noise Level	dB(A)	40/38/34	41/38/34	42/40/36	48/42/35
	Sound Power Noise Level	dB(A)	51	54	53	58
Dimension (WxDxH)	Net	mm	800×300×198	800×300×198	800×300×198	970×315×235
	Packing	mm	870×370×282	870×370×282	870×370×282	1047×385×317
Weight	Net/Gross	kg	9/10.5	9/10.5	9/10.5	12.5/14.5
Piping size	Liquid Side	mm(inch)	6.35(1/4)	6.35(1/4)	6.35(1/4)	6.35(1/4)
	Gas Side	mm(inch)	9.52(3/8)	9.52(3/8)	9.52(3/8)	12.7(1/2)
	Drainage	mm(inch)	16.5	16.5	16.5	16.5
Stuffing Quantity	20/40/40H	unit	320/680/765	320/680/765	320/680/765	224/476/544



Specification-R32 Wall Mounted F Type

Model	Indoor unit		AMWM-H07/4R3(F*)	AMWM-H09/4R3(F*)	AMWM-H12/4R3(F*)
Capacity	Cooling/Heating	Btu/h kW	7165(3855~9220)/7510(3340~8530) 2.05(1.13~2.70)/2.15(0.98~2.50)	9000(4780~11260)/9215(4095~10240) 2.58(1.40~3.30)/2.70(1.20~3.00)	12285(5800~12625)/12625(5120~12625) 3.50(1.70~3.70)/3.50(1.50~3.70)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1
	Cooling/Heating Power Input	W	40(12~68)/40(12~68)	40(12~68)/40(12~68)	40(12~68)/40(12~68)
Performance	Air Flow Volume	m³/h	600/480/370	600/480/370	600/480/370
	Sound Pressure Noise Level	dB(A)	40/38/34	40/38/34	42/40/36
	Sound Power Noise Level	dB(A)	51	54	52
Dimension (WxDxH)	Net	mm	750×285×200	750×285×200	750×285×200
	Packing	mm	820×347×277	820×347×277	820×347×277
Weight	Net/Gross	kg	7.5/9	7.5/9	8/10
Piping size	Liquid Side	mm(inch)	6.35(1/4)	6.35(1/4)	6.35(1/4)
	Gas Side	mm(inch)	9.52(3/8)	9.52(3/8)	9.52(3/8)
	Drainage	mm(inch)	16.5	16.5	16.5
Stuffing Quantity	20/40/40H	unit	384/768/864	384/768/864	384/768/864

Model	Indoor unit		AMWM-H18/4R3(F*)	AMWM-H24/4R3(F*)
Capacity	Cooling/Heating	Btu/h kW	17747(8530~19790)/18085(7680~19790) 5.27(2.50~5.80)/5.37(2.25~5.80)	23986(9895~24908)/24054(7165~27296) 7.03(2.90~7.30)/7.05(2.10~8.00)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1
	Cooling/Heating Power Input	W	63(16~88)/63(16~88)	63(16~88)/63(16~88)
Performance	Air Flow Volume	m³/h	850/800/680	1150/950/750
	Sound Pressure Noise Level	dB(A)	45/42/35	49/42/35
	Sound Power Noise Level	dB(A)	57	60
Dimension (WxDxH)	Net	mm	900×310×225	1082×330×233
	Packing	mm	970×382×302	1155×397×312
Weight	Net/Gross	kg	12/14	15/16.5
Piping size	Liquid Side	mm(inch)	6.35(1/4)	6.35(1/4)
	Gas Side	mm(inch)	12.7(1/2)	15.88(5/8)
	Drainage	mm(inch)	16.5	16.5
Stuffing Quantity	20/40/40H	unit	252/518/592	203/427/488

★ Remark: The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.

Indoor Units



Specification-R32 Wall Mounted J Type

Model	Indoor unit		AMWM-H07/4R3(J*)	AMWM-H09/4R3(J*)	AMWM-H12/4R3(J*)
Capacity	Cooling/Heating	Btu/h	7165(3855-9220)/7510(3340-8530)	9000(4780-11260)/9215(4095-10240)	12285(5800-12625)/12625(5120-12625)
		kW	2.05(1.13-2.70)/2.15(0.98-2.50)	2.58(1.40-3.30)/2.70(1.20-3.00)	3.50(1.70-3.70)/3.50(1.50-3.70)
Electric Data	Power Supply	V~,Hz,Ph	220-240,50,1	220-240,50,1	220-240,50,1
	Cooling/Heating Power Input	W	40(12-68)/40(12-68)	40(12-68)/40(12-68)	40(12-68)/40(12-68)
Performance	Air Flow Volume	m³/h	600	600	600
	Sound Pressure Noise Level	dB(A)	40/38/34	40/38/34	42/40/37
	Sound Power Noise Level	dB(A)	51	54	52
Dimension (WxDxH)	Net	mm	792×292×201	792×292×201	792×292×201
	Packing	mm	888×370×290	888×370×290	888×370×290
Weight	Net/Gross	kg	8/10	8/10	8.5/10.5
Piping size	Liquid Side	mm(inch)	6.35(1/4)	6.35(1/4)	6.35(1/4)
	Gas Side	mm(inch)	9.52(3/8)	9.52(3/8)	9.52(3/8)
	Drainage	mm(inch)	16.5	16.5	16.5
Stuffing Quantity	20/40/40H	unit	304/640/720	304/640/720	304/640/720

Model	Indoor unit		AMWM-H18/4R3(J*)	AMWM-H24/4R3(J*)
Capacity	Cooling/Heating	Btu/h	17747(8530~19790)/18085(7680~19790)	23986(9895~24908)/24054(7165~27296)
		kW	5.27(2.50~5.80)/5.37(2.25~5.80)	7.03(2.90~7.30)/7.05(2.10~8.00)
Electric Data	Power Supply	V~,Hz,Ph	220-240,50,1	220-240,50,1
	Cooling/Heating Power Input	W	63(16~88)/63(16~88)	63(16~88)/63(16~88)
Performance	Air Flow Volume	m³/h	850	1150
	Sound Pressure Noise Level	dB(A)	45/42/37	49/43/37
	Sound Power Noise Level	dB(A)	55	59
Dimension (WxDxH)	Net	mm	940×316×224	1132×330×232
	Packing	mm	1010×385×310	1205×400×317
Weight	Net/Gross	kg	12/14	14/17
Piping size	Liquid Side	mm(inch)	6.35(1/4)	6.35(1/4)
	Gas Side	mm(inch)	12.7(1/2)	15.88(5/8)
	Drainage	mm(inch)	16.5	16.5
Stuffing Quantity	20/40/40H	unit	238/490/560	154/336/384

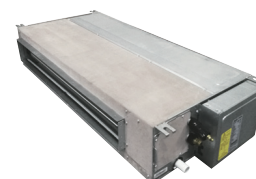
Specification-R32 Compact cassette



Model	Indoor unit		AMCA-H09/4R3AA	AMCA-H12/4R3AA	AMCA-H18/4R3AA	AMCA-H24/4R3AA
Capacity	Cooling/Heating	Btu/h	9560(5120-12115)/10240(5460-13000)	12285(5800-12625)/13306(6930-15080)	17060(8530-19107)/19107(10340-24000)	24000(9895-24908)/24054(7165-27296)
		kW	2.80(1.50-3.55)/3.00(1.60-3.81)	3.60(1.70-3.70)/3.9(2.03-4.42)	5.0(2.50-5.6)/5.6(3.03-7.03)	7.03(2.90~7.30)/7.05(2.10~8.00)
Electric Data	Power Supply	V~,Hz,Ph	220-240,50,1	220-240,50,1	220-240,50,1	220-240,50,1
	Cooling/Heating Power Input	W	70(17.5~109)/70(17.5~109)	70(17.5~109)/70(17.5~109)	70(17.5~109)/70(17.5~109)	70(17.5~109)/70(17.5~109)
Performance	Air Flow Volume	m³/h	700/600/530	700/600/530	700/600/530	1300/1050/950
	Sound Pressure Noise Level	dB(A)	45/41/35	45/41/35	45/41/35	47/43/38
	Sound Power Noise Level	dB(A)	56	56	56	57
Dimension (WxDxH)	Net(Body)	mm	570×570×260	570×570×260	570×570×260	835×835×250
	Packing(Body)	mm	655×655×295	655×655×295	655×655×295	910×910×310
	Net(Panel)	mm	650×650×55	650×650×55	650×650×55	950×950×55
	Packing(Panel)	mm	710×710×80	710×710×80	710×710×80	1000×1000×100
Weight	Net/Gross(Body)	kg	18/21	18/21	18/21	24/27.5
	Net/Gross(Panel)	kg	2.2/3.7	2.2/3.7	2.2/3.7	5.3/7.8
Piping size	Liquid Side	mm(inch)	6.35(1/4)	6.35(1/4)	6.35(1/4)	6.35(1/4)
	Gas Side	mm(inch)	12.7(1/2)	12.7(1/2)	12.7(1/2)	15.88(5/8)
	Drainage	mm(inch)	20	20	20	20
Stuffing Quantity	20/40/40H	unit	147/309/348	147/309/348	147/309/348	36/76/86

★ Remark: The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.

Indoor Units



Specification-R32 Slim Duct

Model	Indoor unit		AMSD-H07/4R3A	AMSD-H09/4R3A	AMSD-H12/4R3A	AMSD-H18/4R3A	AMSD-H24/4R3A
Capacity	Cooling/Heating	Btu/h	7506(3855~9220)/8530(4575~10820)	8872(5120~12115)/9895(5800~12450)	12280(5835~13135)/13650(6480~13375)	17400(8530~19790)/19790(9690~21835)	23500(10910~25900)/26000(12350~28860)
		kW	2.20(1.13~2.70)/2.50(1.34~3.17)	2.60(1.50~3.55)/2.9(1.70~3.65)	3.60(1.71~3.85)/4.0(1.90~3.92)	5.10(2.50~5.80)/5.8(2.84~6.40)	6.88(3.20~7.60)/7.62(3.62~8.46)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1
	Cooling/Heating Power Input	W	55/55	55/55	55/55	75/75	95/95
Performance	Air Flow Volume	m³/h	600/450/380	600/450/380	680/560/450	860/660/600	1040/850/7800
	Sound Pressure Noise Level	dB(A)	35/31/28	35/31/28	38/34/31	42/38/36	48/41/37
	Sound Power Noise Level	dB(A)	53	53	53	55	58
	ESP	Pa	25	25	25	25	25
Dimension (WxDxH)	Net	mm	700×470×200	700×470×200	700×470×200	1000×470×200	1300×470×200
	Packing	mm	1005×580×275	1005×580×275	1005×580×275	1305×580×275	1615×580×275
Weight	Net/Gross	kg	18.5/22	18.5/22	18.5/22	24/28	31/35
Piping size	Liquid Side	mm(inch)	6.35(1/4)	6.35(1/4)	6.35(1/4)	6.35(1/4)	6.35(1/4)
	Gas Side	mm(inch)	12.7(1/2)	12.7(1/2)	12.7(1/2)	12.7(1/2)	15.88(5/8)
	Drainage	mm(inch)	16.5	16.5	16.5	16.5	16.5
Stuffing Quantity	20/40/40H	unit	176/368/414	176/368/414	176/368/414	136/288/324	104/224/254



Specification-R32 Ceiling&Floor

Model	Indoor unit		AMCF-H09/4R3A	AMCF-H12/4R3A	AMCF-H18/4R3A
Capacity	Cooling/Heating	Btu/h	9560(5120~12115)/10240(5460~13000)	12285(5800~12625)/13306(6930~15080)	18080(8530~19107)/19790(10340~24000)
		kW	2.80(1.50~3.55)/3.00(1.60~3.81)	3.60(1.70~3.70)/3.9(2.03~4.42)	5.3(2.50~5.6)/5.8(3.03~7.03)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1
	Cooling/Heating Power Input	W	80(20~125)/80(20~125)	80(20~125)/80(20~125)	80(20~125)/80(20~125)
Performance	Air Flow Volume	m³/h	750/600/500	750/600/500	850/700/600
	Sound Pressure Noise Level	dB(A)	39/36/30	39/36/30	45/42/40
	Sound Power Noise Level	dB(A)	55	55	59
Dimension (WxDxH)	Net	mm	929×660×205	929×660×205	929×660×205
	Packing	mm	1010×720×290	1010×720×290	1010×720×290
Weight	Net/Gross	kg	26/31	26/31	26/31
Piping size	Liquid Side	mm(inch)	6.35(1/4)	6.35(1/4)	6.35(1/4)
	Gas Side	mm(inch)	12.7(1/2)	12.7(1/2)	12.7(1/2)
	Drainage	mm(inch)	20	20	20
Stuffing Quantity	20/40/40H	unit	136/280/315	136/280/315	136/280/315

★ Remark: The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.

Indoor Units



Specification-R32 Console Unit **NEW**

Model	Indoor unit		AMCS-H09/4R3A	AMCS-H12/4R3A	AMCS-H16/4R3A
Capacity	Cooling/Heating	Btu/h	9000(1600~11000)/10000(1800~13500)	12000(2100~15000)/13000(2100~17000)	16000(2400~19000)/17000(2700~23000)
		kW	2.6(0.5~3.22)/2.9(0.5~4.0)	3.5(0.6~4.4)/3.8(0.6~5.0)	4.7(0.7~5.5)/5.0(0.8~6.7)
Electric Data	Power Supply	V~, Hz, Ph	220-240, 50, 1	220-240, 50, 1	220-240, 50, 1
	Cooling/Heating Power Input	W	55	55	75
Performance	Air Flow Volume	m ³ /h	480/400/340	550/470/360	740/700/640
	Sound Pressure Noise Level	dB(A)	46/40/35	47/41/35	48/41/35
	Sound Power Noise Level	dB(A)	58	58	58
Dimension (WxDxH)	Net	mm	700×600×210	700×600×210	700×600×210
	Packing	mm	810×710×305	810×710×305	810×710×305
Weight	Net/Gross	kg	15/20	15/20	15/20
Piping size	Liquid Side	mm(inch)	6.35(1/4)	6.35(1/4)	6.35(1/4)
	Gas Side	mm(inch)	12.7(1/4)	12.7(1/4)	12.7(1/4)
	Drainage	mm(inch)	DN20	DN20	DN20
Stuffing Quantity	20/40/40H	unit	165/338/380	165/338/380	165/338/380

Specification-Wall Mounted J Tybe R410A

Model	Indoor unit		AMWM-H07/4R1(J*)	AMWM-H09/4R1(J*)	AMWM-H12/4R1(J*)
Capacity	Cooling/Heating	Btu/h	7165(3855~9220)/7510(3340~8530)	9000(4780~11260)/9215(4095~10240)	12285(5800~12625)/12625(5120~12625)
		kW	2.05(1.13~2.70)/2.15(0.98~2.50)	2.58(1.40~3.30)/2.70(1.20~3.00)	3.50(1.70~3.70)/3.50(1.50~3.70)
Electric Data	Power Supply	V~, Hz, Ph	220-240, 50, 1	220-240, 50, 1	220-240, 50, 1
	Cooling/Heating Power Input	W	40(12~68)/40(12~68)	40(12~68)/40(12~68)	40(12~68)/40(12~68)
Performance	Air Flow Volume	m ³ /h	600	600	600
	Sound Pressure Noise Level	dB(A)	40/38/34	40/38/34	42/40/37
	Sound Power Noise Level	dB(A)	51	54	52
Dimension (WxDxH)	Net	mm	792×292×201	792×292×201	792×292×201
	Packing	mm	888×370×290	888×370×290	888×370×290
Weight	Net/Gross	kg	8/10	8/10	8.5/10.5
Piping size	Liquid Side	mm(inch)	6.35(1/4)	6.35(1/4)	6.35(1/4)
	Gas Side	mm(inch)	9.52(3/8)	9.52(3/8)	9.52(3/8)
	Drainage	mm(inch)	16.5	16.5	16.5
Stuffing Quantity	20/40/40H	unit	304/640/720	304/640/720	304/640/720

Model	Indoor unit		AMWM-H18/4R1(J*)	AMWM-H24/4R1(J*)
Capacity	Cooling/Heating	Btu/h	17747(8530~19790)/18085(7680~19790)	23986(9895~24908)/24054(7165~27296)
		kW	5.27(2.50~5.80)/5.37(2.25~5.80)	7.03(2.90~7.30)/7.05(2.10~8.00)
Electric Data	Power Supply	V~, Hz, Ph	220-240, 50, 1	220□240, 50, 1
	Cooling/Heating Power Input	W	63(16~88)/63(16~88)	63(16~88)/63(16~88)
Performance	Air Flow Volume	m ³ /h	850	1150
	Sound Pressure Noise Level	dB(A)	45/42/37	49/43/37
	Sound Power Noise Level	dB(A)	55	59
Dimension (WxDxH)	Net	mm	940×316×224	1132×330×232
	Packing	mm	1010×385×310	1205×400×317
Weight	Net/Gross	kg	12/14	14/17
Piping size	Liquid Side	mm(inch)	6.35(1/4)	6.35(1/4)
	Gas Side	mm(inch)	12.7(1/2)	15.88(5/8)
	Drainage	mm(inch)	16.5	16.5
Stuffing Quantity	20/40/40H	unit	238/490/560	154/336/384

★ Remark: The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.

Indoor Units



Specification-Wall Mounted L Tybe R410A

Model	Indoor unit		AMWM-H07/4R1(L*)	AMWM-H09/4R1(L*)	AMWM-H12/4R1(L*)	AMWM-H18/4R1(L*)
Capacity	Cooling/Heating	Btu/h	6995(3412~10236)/7336(3412~10236)	8701(3412~11260)/9042(3753~11260)	12113(4094~12966)/12113(3412~12966)	17401(6483~18766)/18425(4777~19107)
		kW	2.05(1.00~3.00)/2.15(1.10~3.00)	2.55(1.00~3.30)/2.65(1.10~3.30)	3.55(1.20~3.80)/3.55(1.00~3.80)	5.10(1.90~5.50)/5.40(1.40~5.60)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1
	Cooling/Heating Power Input	W	40	40	40	63
Performance	Air Flow Volume	m³/h	969	969	969	1700
	Sound Pressure Noise Level	dB(A)	40/38/34	40/38/34	42/40/36	45/42/35
	Sound Power Noise Level	dB(A)	50	50	50	50
Dimension (WxDxH)	Net	mm	800×300×198	800×300×198	800×300×198	970×315×235
	Packing	mm	870×370×280	870×370×280	870×370×20	1047×385×315
Weight	Net/Gross	kg	10/11.5	10/11.5	10/11.5	13/16
Piping size	Liquid Side	mm(inch)	6.35(1/4)	6.35(1/4)	6.35(1/4)	6.35(1/4)
	Gas Side	mm(inch)	9.52(3/8)	9.52(3/8)	9.52(3/8)	12.7(1/2)
	Drainage	mm(inch)	16.5(3/5)	16.5(3/5)	16.5(3/5)	16.5(3/5)
Stuffing Quantity	20/40/40H	unit	422/830/948	422/830/948	422/830/948	286/588/675



Specification-Wall Mounted F Type R410A

Model	Indoor unit		AMWM-H07/4R1(F*)	AMWM-H09/4R1(F*)	AMWM-H12/4R1(F*)	AMWM-H18/4R1(F*)
Capacity	Cooling/Heating	Btu/h	7165(3855-9220)/7510(3340-8530)	8701(4780-11260)/9215(4095-10240)	12285(5800-12625)/12625(5120-12625)	17745(8530-19790)/18085(7680-19790)
		kW	2.05(1.13-2.70)/2.15(0.98-2.50)	2.55(1.40-3.30)/2.65(1.20-3.00)	3.60(1.70-3.70)/3.70(1.50-3.70)	5.20(2.50-5.80)/5.00(2.25-5.80)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1
	Cooling/Heating Power Input	W	40	40	40	63
Performance	Air Flow Volume	m³/h	550/480/370	550/480/370	550/480/370	900/800/680
	Sound Pressure Noise Level	dB(A)	40/38/34	40/38/34	42/40/36	45/42/35
	Sound Power Noise Level	dB(A)	50	50	50	50
Dimension (WxDxH)	Net	mm	750×285×200	750×285×200	750×285×200	900×310×225
	Packing	mm	800×345×265	800×345×265	800×345×265	950×380×290
Weight	Net/Gross	kg	8/10.5	8/10.5	8/10.5	12/14
Piping size	Liquid Side	mm(inch)	6.35(1/4)	6.35(1/4)	6.35(1/4)	6.35(1/4)
	Gas Side	mm(inch)	9.52(3/8)	9.52(3/8)	9.52(3/8)	12.7(1/2)
	Drainage	mm(inch)	16.5(3/5)	16.5(3/5)	16.5(3/5)	16.5(3/5)
Stuffing Quantity	20/40/40H	unit	432/858/858	432/858/858	432/858/858	301/600/700

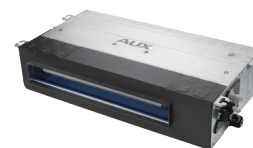
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Indoor Units



Specification-R410A Compact cassette

Model	Indoor unit		AMCA-H09/4R1A	AMCA-H12/4R1A	AMCA-H18/4R1A	AMCA-H24/4R1A
Capacity	Cooling/Heating	Btu/h	9560(5120~12115)/10240(5460~13000)	12285(5800~12625)/13306(6930~15080)	17060(8530~19107)/19107(10340~24000)	24000(9895~24908)/24054(7165~27296)
		kW	2.80(1.50~3.55)/3.00(1.60~3.81)	3.60(1.70~3.70)/3.90(2.03~4.42)	5.00(2.50~5.60)/5.60(3.03~7.03)	7.03(2.90~7.30)/7.05(2.10~8.00)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1
	Cooling/Heating Power Input	W	70	70	70	70(17.5~109)/70(17.5~109)
Performance	Air Flow Volume	m ³ /h	700/600/530	700/600/530	700/600/530	1300/1050/950
	Sound Pressure Noise Level	dB(A)	45/41/35	45/41/35	45/41/35	47/43/38
	Sound Power Noise Level	dB(A)	56	56	56	57
Dimension (WxDxH)	Net(Body)	mm	570×570×260	570×570×260	570×570×260	835X835X250
	Packing(Body)	mm	655×655×295	655×655×295	655×655×295	910X910X310
	Net(Panel)	mm	650×650×55	650×650×55	650×650×55	950X950X55
	Packing(Panel)	mm	710×710×80	710×710×80	710×710×80	1000X1000X1000
Weight	Net/Gross(Body)	kg	18/21	18/21	18/21	24/27.5
	Net/Gross(Panel)	kg	2.2/3.7	2.2/3.7	2.2/3.7	5.3/7.8
Piping size	Liquid Side	mm(inch)	6.35(1/4)	6.35(1/4)	6.35(1/4)	6.35(1/4)
	Gas Side	mm(inch)	12.7(1/2)	12.7(1/2)	12.7(1/2)	15.88(5/8)
	Drainage	mm(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20
Stuffing Quantity	20/40/40H	unit	147/309/348	147/309/348	147/309/348	82/226/271

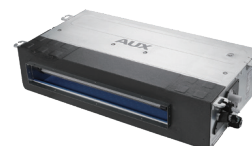


Specification-R410A Slim Duct

Model	Indoor unit		AMSD-H07/4R1	AMSD-H09/4R1	AMSD-H12/4R1
Capacity	Cooling/Heating	Btu/h	7506(3855~9220)/8530(4575~10820)	8872(5120~12115)/9895(5800~12450)	12280(5835~13135)/13650(6480~13375)
		kW	2.20(1.13~2.70)/2.50(1.34~3.17)	2.60(1.50~3.55)/2.90(1.70~3.65)	3.60(1.71~3.85)/4.00(1.90~3.92)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1
	Cooling/Heating Power Input	W	45	45	75
Performance	Air Flow Volume	m ³ /h	420/336/294	420/336/294	580/464/406
	Sound Pressure Noise Level	dB(A)	30/26/23	30/26/23	32/28/25
	Sound Power Noise Level	dB(A)	52	52	52
	ESP	Pa	10/30	10/30	10/30
Dimension (WxDxH)	Net	mm	840×465×185	840×465×185	840×465×185
	Packing	mm	1030*545*250	1030*545*250	1030*545*250
Weight	Net/Gross	kg	16.5/20	16.5/20	17.5/21
Piping size	Liquid Side	mm(inch)	6.35(1/4)	6.35(1/4)	6.35(1/4)
	Gas Side	mm(inch)	9.52(3/8)	9.52(3/8)	12.7(1/2)
	Drainage	mm(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Stuffing Quantity	20/40/40H	unit	198/414/460	198/414/460	198/414/460

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Indoor Units



Specification-R410A Slim Duct

Model	Indoor unit		AMSD-H18/4R1	AMSD-H24/4R1
Capacity	Cooling/Heating	Btu/h	17400(8530~19790)/19790(9690~21835)	23500(10910~25900)/26000(12350~28860)
		kW	5.10(2.50~5.80)/5.80(2.84~6.40)	6.88(3.20~7.60)/7.62(3.62~8.46)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1
	Cooling/Heating Power Input	W	137	95/95
Performance	Air Flow Volume	m ³ /h	860/688/602	1040/850/7800
	Sound Pressure Noise Level	dB(A)	38/35/32	48/41/37
	Sound Power Noise Level	dB(A)	55	58
	ESP	Pa	10/30	10
Dimension (WxDxH)	Net	mm	1160×465×185	1300×470×200
	Packing	mm	1350×545×250	1615×580×275
Weight	Net/Gross	kg	21/26	31/35
Piping size	Liquid Side	mm(inch)	6.35(1/4)	6.35(1/4)
	Gas Side	mm(inch)	12.7(1/2)	15.88(5/8)
	Drainage	mm(inch)	DN20(R3/4)	16.5
Stuffing Quantity	20/40/40H	unit	144/306/340	104/224/254



Specification-R410A Ceiling&Floor

Model	Indoor unit		AMCF-H09/4R1	AMCF-H12/4R1	AMCF-H18/4R1
Capacity	Cooling/Heating	Btu/h	9560(5120~12115)/10240(5460~13000)	12285(5800~12625)/13306(6930~15080)	18080(8530~19107)/19790(10340~24000)
		kW	2.80(1.50~3.55)/3.00(1.60~3.81)	3.60(1.70~3.70)/3.90(2.03~4.42)	5.30(2.50~5.60)/5.8(3.03~7.03)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1
	Cooling/Heating Power Input	W	80	80	80
Performance	Air Flow Volume	m ³ /h	620/504/441	620/504/441	850/680/595
	Sound Pressure Noise Level	dB(A)	39/36/30	39/36/30	43/39/36
	Sound Power Noise Level	dB(A)	55	55	55
Dimension (WxDxH)	Net	mm	929×660×205	929×660×205	929×660×205
	Packing	mm	1010×720×290	1010×720×290	1010×720×290
Weight	Net/Gross	kg	24/27	24/27	25/28
Piping size	Liquid Side	mm(inch)	6.35(1/4)	6.35(1/4)	6.35(1/4)
	Gas Side	mm(inch)	12.7(1/2)	12.7(1/2)	12.7(1/2)
	Drainage	mm(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Stuffing Quantity	20/40/40H	unit	136/280/315	136/280/315	136/280/315

★ Remark: The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.

On/Off Series

On/Off Series





Outdoor Unit

Specification-R410A 50Hz ON/OFF

Model	Outdoor		AL-H12/4R1F-R(U)	AL-H18/4R1F-R(U)	AL-H24/4R1F-R(U)	AL-H36/4R1F-R(U)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1
Performance	Air Flow Volume	m³/h	1980	2600	3000	3850
	Noise Level	dB(A)	53	55	57	60
Dimension (W×D×H)	Net	mm	730×285×545	800×315×545	825×310×655	970×395×805
	Packing	mm	845×370×620	920×400×620	945×435×725	1105×495×895
Compressor	Type		Rotary			
Weight	Net/Gross	kg	28/32	42/45	53/56	65/75
Piping size	Liquid Side	mm(inch)	6.35	6.35	9.52	9.52
	Gas Side	mm(inch)	12.7	12.7	15.88	15.88
	Max. Length	m	15	20	20	30
	Max. Height	m	10	15	15	20
Ambient temperature	Cooling/Heating	°C	-5~49/-15~24	-5~49/-15~24	-5~49/-15~24	-5~49/-15~24
Stuffing Quantity	20/40/40H	unit	119/261/348	101/215/291	93/198/198	40/96/144

Specification-R410A 50Hz ON/OFF

Model	Outdoor		AL-H36/5R1F-R(U)	AL-H48/5R1F-R(U)	AL-H60/5R1F-R(U)
Electric Data	Power Supply	V~,Hz,Ph	380~415,50,3	380~415,50,3	380~415,50,3
Performance	Air Flow Volume	m³/h	3850	5800	5800
	Noise Level	dB(A)	60	60	60
Dimension (W×D×H)	Net	mm	970×395×805	940×370×1325	940×370×1325
	Packing	mm	1105×495×895	1070×450×1435	1070×450×1435
Compressor	Type		Rotary		
Weight	Net/Gross	kg	65/75	95/105	99/109
Piping size	Liquid Side	mm(inch)	9.52	9.52	9.52
	Gas Side	mm(inch)	15.88	19.05	19.05
	Max. Length	m	30	50	50
	Max. Height	m	20	30	30
Ambient temperature	Cooling/Heating	°C	-5~49/-15~24	-5~49/-15~24	-5~49/-15~24
Stuffing Quantity	20/40/40H	unit	40/96/144	27/55/55	27/55/55

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On/Off Series

Compact Cassette & Cassette



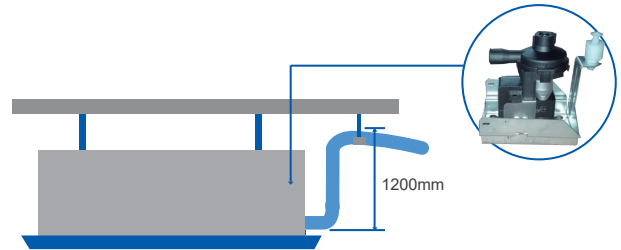
Standard

Optional



Built-In Drain Pump

The built-in drain pump can lift condensing water up to 1200mm high from the drainage pan.



Optional Indoor Units (Round Flow/Four-way Cassette)



Four-way Cassette



Round Flow Cassette

Fresh Air Intake

Fresh air makes indoor air healthy and comfortable.



Fresh air intake

FEATURES

■ optional ■ standard



Auto Restart Function



Hydrophilic Aluminum Fin



Fast Cooling/Heating



Low Ambient Cooling



Intelligent Defrosting



Remote Control



Washable Filter



Fire-proof Electric Box



Built-in Drain Pump



Digital Tube Display



Wired Control



Central Control



Golden Fin



WIFI Control

Cassette



Specification-R410A 50Hz ON/OFF

Model	Indoor		ALCA-H12/4R1E1A-R	ALCA-H18/4R1E1A-R	ALCA-H24/4R1E1A-R	ALCA-H36/4R1E1A-R
	Outdoor		AL-H12/4R1F-R(U)	AL-H18/4R1F-R(U)	AL-H24/4R1F-R(U)	AL-H36/4R1F-R(U)
Capacity	Cooling/Heating	Btu/h	12000/13500	18000/19100	24000/26900	36000/39920
		kW	3.52/3.96	5.28/5.60	7.03/7.88	10.6/11.7
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1
	Cooling/Heating Power Input	kW	1.16/1.22	1.70/1.64	2.26/2.31	3.77/3.50
	Cooling/Heating Current	A	5.32/5.60	7.80/7.52	10.37/10.60	17.30/16.60
Performance	EER/COP	W/W	3.03/3.25	3.1/3.41	3.11/3.41	2.81/3.34
	Air Flow Volume	m ³ /h	750/650/580	800/730/660	1200/950/800	1500/1200/1050
	Noise Level	dB(A)	46/41/39	45/40/32	45/42/36	48/45/39
Dimension (W×D×H)	Net(Body)	mm	570×570×260	570×570×260	835×835×250	835×835×250
	Packing(Body)	mm	655×655×295	655×655×295	910×910×310	910×910×310
	Net(Panel)	mm	650×650×55	650×650×55	950×950×55	950×950×55
	Packing(Panel)	mm	710×710×80	710×710×80	1000×1000×100	1000×1000×100
Weight	Net/Gross (Body)	kg	17/20	19/21	25/29	27/30
	Net/Gross (Panel)	kg	2.2/3.7	2.2/3.7	5.3/7.8	5.3/7.8
Piping size	Drainage	mm(Inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Stuffing Quantity	20/40/40H	set	66/150/165	66/150/165	34/80/90	28/63/72

Specification-R410A 50Hz ON/OFF

Model	Indoor		ALCA-H36/5R1E1A-R	ALCA-H48/5R1E1A-R	ALCA-H60/5R1E1A-R
	Outdoor		AL-H36/5R1F-R(U)	AL-H48/5R1F-R(U)	AL-H60/5R1F-R(U)
Capacity	Cooling/Heating	Btu/h	36000/39920	48000/52000	60000/63500
		kW	10.6/11.7	14.07 /15.24	17.60 /18.50
Electric Data	Power Supply	V~,Hz,Ph	380~415,50,3	380~415,50,3	380~415,50,3
	Cooling/Heating Power Input	kW	3.77/3.50	4.90/5.05	6.26/5.78
	Cooling/Heating Current	A	6.76/6.28	8.88/9.33	11.34/10.36
Performance	EER/COP	W/W	2.81/3.34	2.87/3.02	2.81/3.2
	Air Flow Volume	m ³ /h	1500/1200/1050	1800/1440/1260	1800/1440/1260
	Noise Level	dB(A)	48/45/39	53/51/47	53/51/47
Dimension (W×D×H)	Net(Body)	mm	835×835×250	835×835×290	835×835×290
	Packing(Body)	mm	910×910×310	910×910×350	910×910×350
	Net(Panel)	mm	950×950×55	950×950×55	950×950×55
	Packing(Panel)	mm	1000×1000×100	1000×1000×100	1000×1000×100
Weight	Net/Gross (Body)	kg	27/30	28/32	28/32
	Net/Gross (Panel)	kg	5.3/7.8	5.3/7.8	5.3/7.8
Piping size	Drainage	mm(Inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Stuffing Quantity	20/40/40H	set	28/63/72	22/50/55	22/50/55

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On/Off Series

Ceiling&Floor



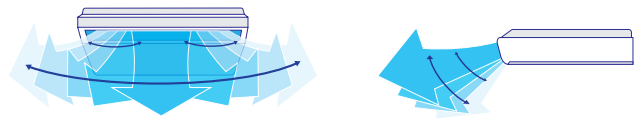
Standard

Optional



3D Air Swing

Vertical and horizontal swing makes air below to every corner of the room.



Ultra Slim Design

The thickness is only 205mm, save installation space.



Innovative Centrifugal Fan

All units are equipped with 3-speed fan mode, adjusting the air flow rate in accordance with the ceiling height. Innovative centrifugal fan provides larger air volume but lower noise, making the air supply more quietly and smoothly.



Flexible Installation

Can be vertically installed against the wall or horizontally installed under the ceiling.



FEATURES

■ optional ■ standard



Auto Restart Function



Hydrophilic Aluminum Fin



Fast Cooling/Heating



Low Ambient Cooling



Intelligent Defrosting



Remote Control



3D Air Flow



Long-term Filter



Wired Control



Central Control



Golden Fin



WIFI Control

Ceiling&Floor



Specification-R410A 50Hz ON/OFF

Model	Indoor		ALCF-H18/4R1F-R	ALCF-H24/4R1F-R	ALCF-H36/4R1F-R
	Outdoor		AL-H18/4R1F-R(U)	AL-H24/4R1F-R(U)	AL-H36/4R1F-R(U)
Capacity	Cooling/Heating	Btu/h	18000/19100	24000/26900	36000/39920
		kW	5.28/5.60	7.03/7.88	10.6/11.7
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1
	Cooling/Heating Power Input	kW	1.70/1.64	2.26/2.31	3.77/3.50
	Cooling/Heating Current	A	7.80/7.52	10.37/10.60	17.30/16.60
Performance	EER/COP	W/W	3.1/3.41	3.11/3.41	2.81/3.34
	Air Flow Volume	m³/h	850/680/595	1200/960/840	1500/1200/1050
	Noise Level	dB(A)	43/40/34	46/43/38	50/47/41
Dimension (W×D×H)	Net	mm	929×660×205	1280×660×205	1280×660×205
	Packing	mm	1010×720×290	1360×720×290	1360×720×290
Weight	Net/Gross	kg	25/28	32/37	33/40
Piping size	Drainage	mm(Inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Stuffing Quantity	20/40/40H	set	54/120/144	48/99/109	36/75/86

Specification-R410A 50Hz ON/OFF

Model	Indoor		ALCF-H36/5R1F-R	ALCF-H48/5R1F-R	ALCF-H60/5R1F-R
	Outdoor		AL-H36/5R1F-R(U)	AL-H48/5R1F-R(U)	AL-H60/5R1F-R(U)
Capacity	Cooling/Heating	Btu/h	36000/39920	48000/52000	60000/63500
		kW	10.6/11.7	14.07 /15.24	17.60 /18.50
Electric Data	Power Supply	V~,Hz,Ph	380~415,50,3	380~415,50,3	380~415,50,3
	Cooling/Heating Power Input	kW	3.77/3.50	4.90/5.05	6.26/5.78
	Cooling/Heating Current	A	6.76/6.28	8.88/9.33	11.34/10.36
Performance	EER/COP	W/W	2.81/3.34	2.87/3.02	2.81/3.2
	Air Flow Volume	m³/h	1500/1200/1050	1800/1440/1260	1800/1440/1260
	Noise Level	dB(A)	50/47/41	51/48/42	51/48/42
Dimension (W×D×H)	Net	mm	1280×660×205	1631×660×205	1631×660×205
	Packing	mm	1360×720×290	1710×720×290	1710×720×290
Weight	Net/Gross	kg	33/40	44/52	44/52
Piping size	Drainage	mm(Inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Stuffing Quantity	20/40/40H	set	36/75/86	24/54/54	24/54/54

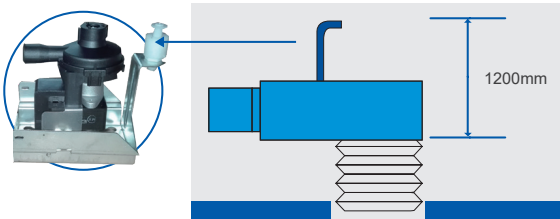
★ Remark: The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.

Mid ESP Duct



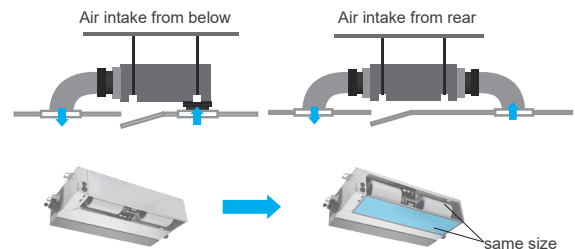
Built-In Drain Pump (Optional)

The built-in drain pump can lift condensing water up to 1200mm high from the drainage pan.



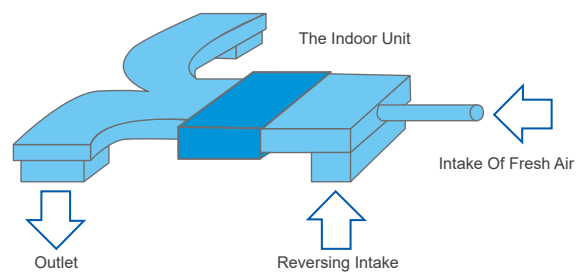
Flexible Installation

Air intake from rear as standard, from bottom is optional. The size of the plate from bottom is the same as the flange from back, which makes it convenient to change installation style due to different decoration requirements.



Fresh Air Intake

Fresh air makes indoor air healthy and comfortable.



FEATURES

■ optional ■ standard



Auto Restart Function



Hydrophilic Aluminum Fin



Fast Cooling/Heating



Low Ambient Cooling



Intelligent Defrosting



Long-term Filter



Wired Control



Remote Control



Central Control



Golden Fin



WIFI Control

Mid ESP Duct



Specification-R410A 50Hz ON/OFF

Model	Indoor		ALLD-H12/4R1F-R	ALMD-H18/4R1F-R	ALMD-H24/4R1F-R	ALMD-H36/4R1F-R
	Outdoor		AL-H12/4R1F-R(U)	AL-H18/4R1F-R(U)	AL-H24/4R1F-R(U)	AL-H36/4R1F-R(U)
Capacity	Cooling/Heating	Btu/h	12000/12750	18000/19100	24000/26900	36000/39920
		kW	3.52/3.73	5.28/5.60	7.03/7.88	10.6/11.7
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1
	Cooling/Heating Power Input	kW	1.14/1.15	1.70/1.55	2.26/2.18	3.77/3.50
	Cooling/Heating Current	A	5.49/5.63	7.80/7.11	10.37/10.00	17.30/16.60
Performance	EER/COP	W/W	3.08/3.24	3.1/3.61	3.11/3.61	2.81/3.34
	Air Flow Volume	m ³ /h	616/613/513/433/388	950/760/665	1400/1250/1050	2000/1600/1400
	Noise Level	dB(A)	39/37/33/29/26	38/35/32	46/44/42	50/47/41
	ESP	Pa	20	80	80	80
Dimension (W×D×H)	Net	mm	700×450×200	890×735×290	890×735×290	890×735×290
	Packing	mm	1005×560×275	1070×800×360	1070×800×360	1070×800×360
Weight	Net/Gross	kg	18/21	32/37	33/38	35/39
Piping size	Drainage	mm(Inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Stuffing Quantity	20/40/40H	set	80/171/192	48/104/122	40/82/106	30/70/82

Specification-R410A 50Hz ON/OFF

Model	Indoor		ALMD-H36/5R1F-R	ALMD-H48/5R1F-R	ALMD-H60/5R1F-R
	Outdoor		AL-H36/5R1F-R(U)	AL-H48/5R1F-R(U)	AL-H60/5R1F-R(U)
Capacity	Cooling/Heating	Btu/h	36000/39920	48000/52000	60000/63500
		kW	10.6/11.7	14.07 /15.24	17.60 /18.50
Electric Data	Power Supply	V~,Hz,Ph	380~415,50,3	380~415,50,3	380~415,50,3
	Cooling/Heating Power Input	kW	3.73/3.50	4.90/5.05	6.26/5.78
	Cooling/Heating Current	A	6.69/6.28	8.88/9.33	11.34/10.36
Performance	EER/COP	W/W	2.84/3.34	2.87/3.02	2.81/3.2
	Air Flow Volume	m ³ /h	2000/1600/1400	2400/2100/1700	2600/2300/1950
	Air Flow Volume	m ³ /h	50/47/41	49/46/44	50/47/45
	Noise Level	dB(A)	80	80	80
Dimension (W×D×H)	Net	mm	890×735×290	1250×735×290	1250×735×290
	Packing	mm	1070×800×360	1430×800×360	1430×800×360
Weight	Net/Gross	kg	35/39	45/51	50/56
Piping size	Drainage	mm(Inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Stuffing Quantity	20/40/40H	set	30/70/82	22/46/49	22/46/49

★ Remark: The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.

On/Off Series

High ESP Duct



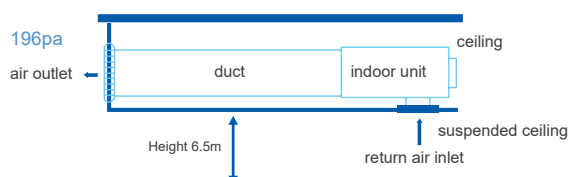
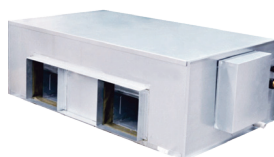
Standard

Optional



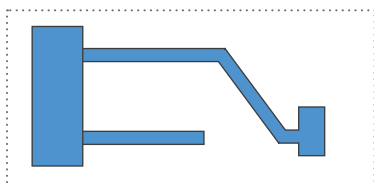
High Static Pressure

ESP range is optional, can reach 196Pa, It suits 6.5m super high ceiling air supply.

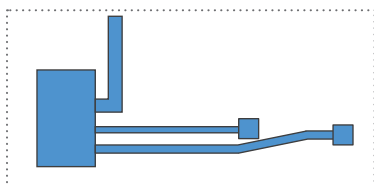


Long Distance Air Supply

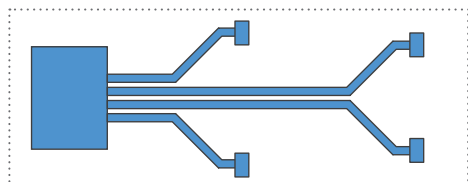
It is suitable for long distance air supply and flexible air duct installation. Specially for different irregular size rooms.



Long and narrow size room

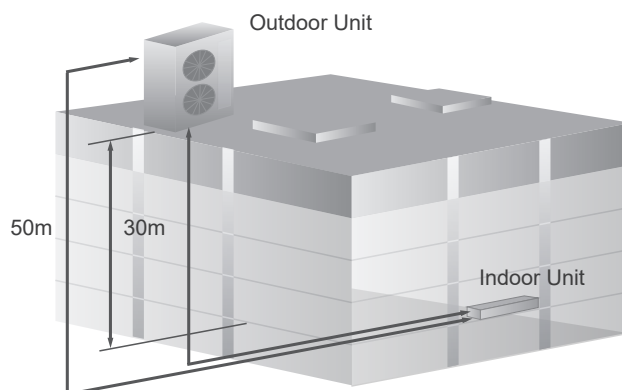


L size room

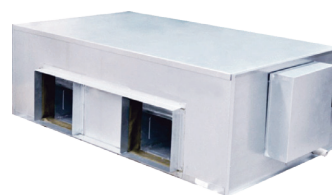


Oversize room

Long Pipe and Large Height Difference



High ESP Duct



Specification-R410A 50Hz ON/OFF

Model	Indoor		ALHD-H48/5R1A	ALHD-H60/5R1A
Capacity	Cooling/Heating	Btu/h	48000/53000	60000/63000
		kW	14.07/15.5	17.60/18.5
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1
	Cooling/Heating Power Input	kW	4.9/5.13	5.71/5.78
	Cooling/Heating Current	A	8.88/9.33	10.42/10.36
Performance	EER/COP	W/W	2.87/3.02	3.08/3.08
	Air Flow Volume	m³/h	2000/1600/1400	2000/1600/1400
	Noise Level	dB(A)	60/57/51	60/57/51
	ESP	Pa	196	196
Dimension (W×D×H)	Net	mm	1200×719×380	1200×719×380
	Packing	mm	1235×760×415	1235×760×415
Weight	Net/Gross	kg	55/59	55/59
Piping size	Drainage	mm(Inch)	DN20(R3/4)	DN20(R3/4)
Outdoor			AL-H48/5R1F-R(U)	AL-H60/5R1F-R(U)
Electric Data	Power Supply	V~,Hz,Ph	380~415,50,3	380~415,50,3
Air Flow Volume		m³/h	6400	6400
Performance	Noise Level	dB(A)	60	60
Dimension (W×D×H)	Net	mm	1325×940×370	1325×940×370
	Packing	mm	1440×1080×430	1440×1080×430
Compressor	Type		Rotary	
Weight	Net/Gross	kg	95/105	99/109
Piping size	Liquid Side	mm(inch)	9.52(3/8)	9.52(3/8)
	Gas Side	mm(inch)	19.05(3/4)	19.05(3/4)
Max. Length		m	50	50
Max. Height		m	30	30
Stuffing Quantity	20/40/40H	set	24/54/55	24/54/55

★ Remark: The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.

Commercial High ESP Duct

FEATURES

■ optional ■ standard



Wired Control



Auto Restart Function



Anti-Cold-Air



Compressor Heating belt



Hydrophilic Aluminum Fin



Low Ambient Cooling



Fast Cooling/Heating



Long-term Filter



Intelligent Defrosting



Self-diagnosis Function



Remote Control



Central Control



WIFI Control

High ESP Duct



Standard



Optional



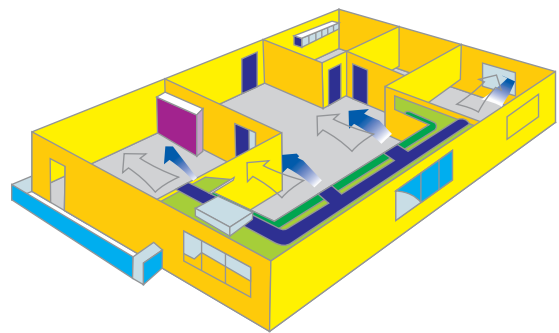
Three-Speed Fan Motor

Outdoor unit 3 fan speeds with better low temp. cooling.



Long Distance Air Supply

High ESP design makes the air supply the longest distance 50m, and the air supply is distributed well.



Wide Operation Range

The unit could operate perfectly between 52°C in hot summer and -15°C in cold winter making you feel like spring all year around, advanced system design and strict system matching and test.



High ESP Duct



Specification-R410A Side Discharge

Model	Indoor		ALHD-H80/5R1S	ALHD-H100/5R1S
	Outdoor		AL-H80/5R1S(HD)	AL-H100/5R1S(HD)
Indoor				
Capacity	Cooling/Heating	Btu/h	76000/83600	96000/105600
		kW	22.00/24.50	28.00/31.00
Electric Data	Power Supply	V~,Hz,Ph	380-415,50,3	380-415,50,3
	Cooling/Heating Power Input	kW	8.30/7.50	10.60 /9.48
	Cooling/Heating Current	A	13.41/12.10	17.07/15.35
Performance	EER/COP	W/W	2.65/3.27	2.64/3.27
Indoor	Net Dimension	mm	1350×700×460	1350×700×460
	Packing Dimension	mm	1540×810×610	1540×810×610
	Net/Gross Weight	kg	90/110	91/111
	Air Flow Volume	m³/h	5000/4000/3600	5000/4000/3600
	Noise Leve	dB(A)	55	55
	ESP	Pa	150	150
Outdoor				
Outdoor	Net Dimension	mm	1120×400×1510	1120×400×1510
	Packing Dimension	mm	1270×545×1710	1270×545×1710
	Net/Gross Weight	kg	175/190	176/191
	Air Flow Volume	m³/h	6000×2	6000×2
	Noise Level	dB(A)	58	58
Piping size	Liquid Side	mm(inch)	9.52(3/8)×2	9.52(3/8)×2
	Gas Side	mm(inch)	19.05(3/4)×2	19.05(3/4)×2
	Max. Length	m	50	50
	Max. Height	m	20	20
Stuffing Quantity	20/40/40H	set	12/25/28	12/25/28

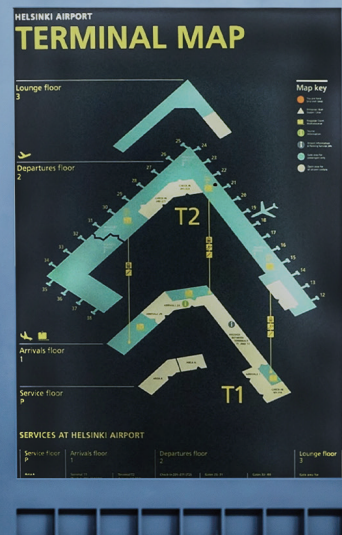
★ Remark: The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.

Commercial Floor&Standing



88:88

19:35 Bangkok	Expected 19:24
19:50 Dublin	Expected 19:46
19:55 Cairo	Expected 20:09
19:55 Stockholm	Expected 19:51
20:10 Edinburgh	Expected 19:55
20:20 Munich	Expected 19:58
20:30 Toronto	Expected 19:57
20:45 Frankfurt	
21:00 Istanbul	Expected 21:11
21:05 Dublin	
21:10 Brussels	
21:15 Athens	Expected 21:25
21:15 Cork	
21:15 Copenhagen	
21:20 Geneva	
21:25 Vienna	
21:25 Lisbon	
21:25 Newark	Expected 21:05
21:35 Stockholm	
21:35 Oslo	
21:40 Zurich	
21:50 Warsaw	
22:00 Washington	Expected 21:57
22:05 Dublin	



FEATURES

■ optional ■ standard



Remote Control



Auto Restart
Function



Fast Cooling/
Heating



Compressor
Heating belt



Hydrophilic
Aluminum Fin



Auto swing



Low Ambient
Cooling



Long-term Filter



Anti-Cold-Air



Self-diagnosis
Function



Intelligent
Defrosting



Central Control



WIFI Control

Floor&Standing

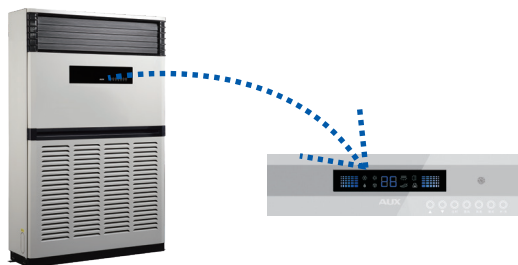


Standard



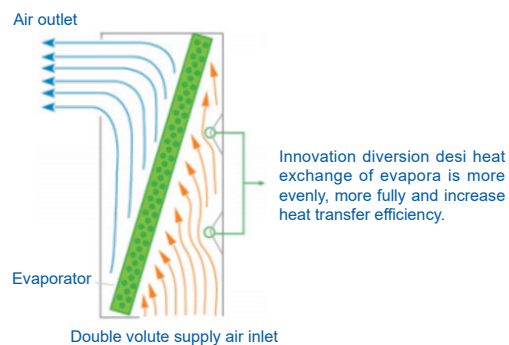
Touch Screen Design

Elegant touch screen design, longer lifetime than traditional button design.



Innovative Diversion Design

The special design at air inlet side makes strong air flow more even and more efficient.



Ultra-Slim Design

The indoor unit is only 36cm in width, save installation space.



Floor&Standing



Specification-R410A Side Discharge

Model	Indoor		ALFS-H80/5R1S	ALFS-H100/5R1S
	Outdoor		AL-H80/5R1S(FS)	AL-H100/5R1S(FS)
Indoor				
Capacity	Cooling / Heating	Btu/h	76000/83600	96000/105600
		kW	22.00/24.5	28.00/31.00
Electric Data	Power Supply	V~,Hz,Ph	380-415V,50Hz,3N	380-415V,50Hz,3N
	Cooling / Heating Power Input	kW	7.86/8.01	10.07/10.13
	Cooling / Heating Current	A	13.27 / 15.50	17.00/19.75
Performance	EER / COP	W/W	2.80/3.05	2.78/2.65
Indoor	Net Dimension	mm	1200×360×1850	1200×360×1850
	Packing Dimension	mm	1270×430×2000	1270×430×2000
	Net / Gross Weight	kg	110/130	111/131
	Air Flow Volume	m³/h	4000/3800/3600	4000/3800/3600
	Noise Level	dB(A)	56	56
Outdoor				
Outdoor	Net Dimension	mm	1120×400×1510	1120×400×1510
	Packing Dimension	mm	1270×545×1710	1270×545×1710
	Net Weight	kg	175/190	176/191
	Air Flow Volume	m³/h	6000×2	6000×2
	Noise Level	dB(A)	58	58
Piping size	Liquid Side	mm(inch)	9.52(3/8)×2	9.52(3/8)×2
	Gas Side	mm(inch)	19.05(3/4)×2	19.05(3/4)×2
	Max. Length	m	50	50
	Max. Height	m	20	20
Stuffing Quantity	20/40/40H	set	9/20/20	9/20/20

★ Remark: The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.

Compressor Condensing Unit

On/Off Series



Compressor Condensing Unit



Specification-R410A 50Hz ON/OFF

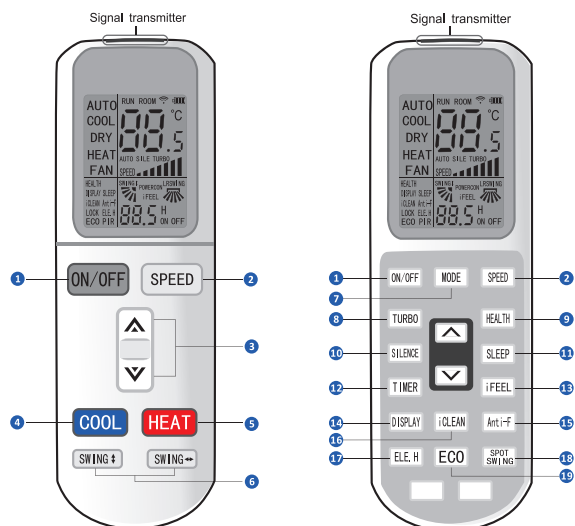
Model	CCU		ACCU-C24/4R1(A)	ACCU-C36/5R1(A)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	380~415,50,3
Capacity	Cooling	Btu/h	24000	36000
		kW	7	10.6
Performance	Air Flow Volume	CFM	1765	2265
		m ³ /h	3000	3850
	Noise Level	dB(A)	58	60
Dimension (W×D×H)	Net	mm	880*335*655	1044*409*803
	Packing	mm	945*435*725	1105*495*895
Weight	Net	kg	45	65
	Gross	kg	48.5	75
Stuffing Quantity	20/40/40H	Unit	93/198/198	40/96/144

Specification-R410A 50Hz ON/OFF

Model	CCU		ACCU-C48/5R1(A)	ACCU-C55/5R1(A)
Electric Data	Power Supply	V~,Hz,Ph	380~415,50,3	380~415,50,3
Capacity	Cooling	Btu/h	48000	55000
		kW	14	16
Performance	Air Flow Volume	CFM	3412	3412
		m ³ /h	5800	5800
	Noise Level	dB(A)	60	60
Dimension (W×D×H)	Net	mm	940*364*1320	940*364*1320
	Packing	mm	1080*430*1440	1080*430*1440
Weight	Net	kg	95	99
	Gross	kg	105	109
Stuffing Quantity	20/40/40H	Unit	27/55/55	27/55/55

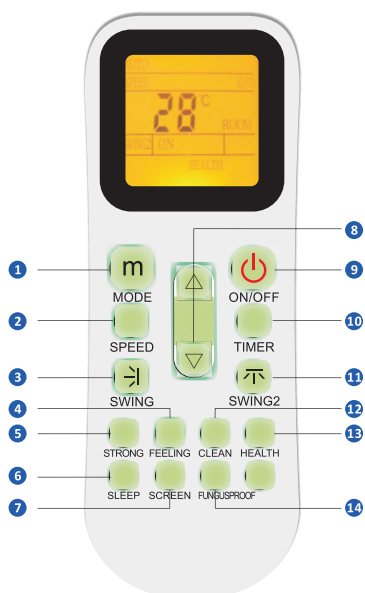
★ Remark: The above designs and specifications are subject to change of product improvement without prior notice.

Remote Controller



- | | |
|---|-------------------------------|
| 1 ON/OFF | 11 Sleep Function |
| 2 Fan Speed Setting
HIGH/MED/LOW/AUTO | 12 Timer On/Off |
| 3 Temperature-Setting
/Timer Range Setting | 13 I Feel Function |
| 4 Cooling Mode | 14 LED Display On/Off |
| 5 Heating Mode | 15 Anti-fungus Function |
| 6 Vertical Swing/Horizontal Swing | 16 Clean Function |
| 7 Mode Setting
AUTO/COOL/DRY/HEAT/FAN | 17 Auxiliary Electric Heating |
| 8 Turbo Wind | 18 Spot Swing |
| 9 Health Function | 19 Economic Function |
| 10 Silence Function | |

YK-L

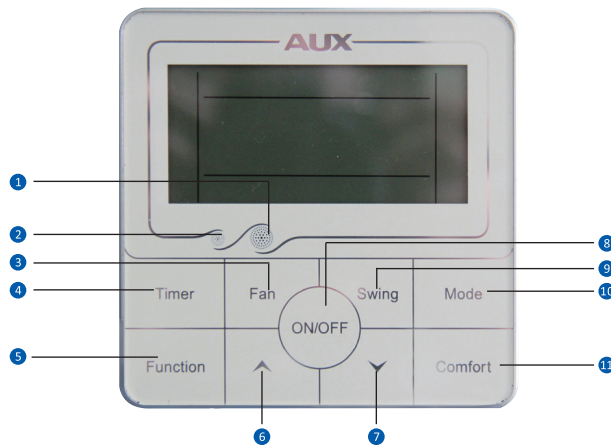


- | | |
|--|---|
| 1 Mode Setting
AUTO/COOL/DRY/HEAT/FAN | 8 Temperature-Setting
/Timer Range Setting |
| 2 Fan Speed Setting
HIGH/MED/LOW/AUTO | 9 ON/OFF |
| 3 Vertical Swing | 10 Timer On/Off |
| 4 Feeling Function | 11 Horizontal Swing |
| 5 Strong Wind | 12 Clean Function |
| 6 Sleep Function | 13 Health Function |
| 7 LED Display On/Off | 14 Fungusproof Function |

YK-K

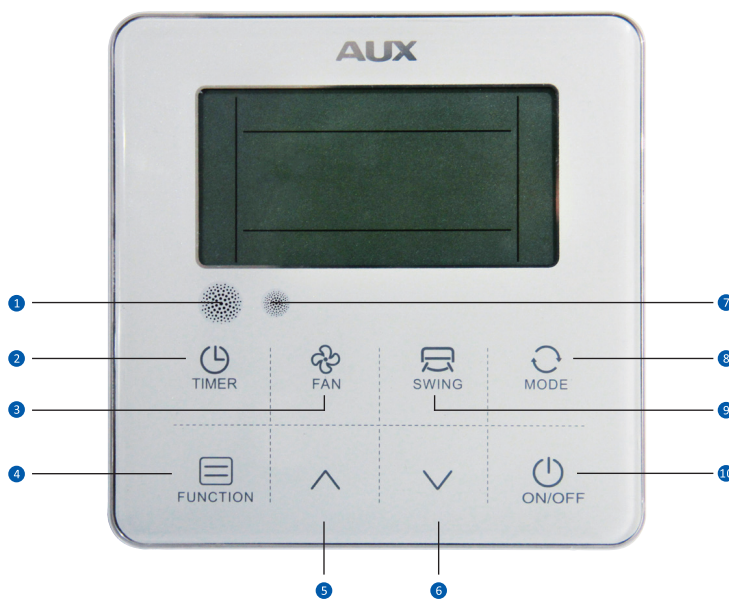
Wired Controller

XK-04 (86x86mm)



- ① Remote Signal Receiver
- ② Photosensitive sensor receiver
- ③ Fan Button
- ④ Timer Button
- ⑤ Function Button
- ⑥ “+” Button
- ⑦ “-” Button
- ⑧ ON/OFF Button
- ⑨ Swing Button
- ⑩ Mode Button
- ⑪ Comfort Button

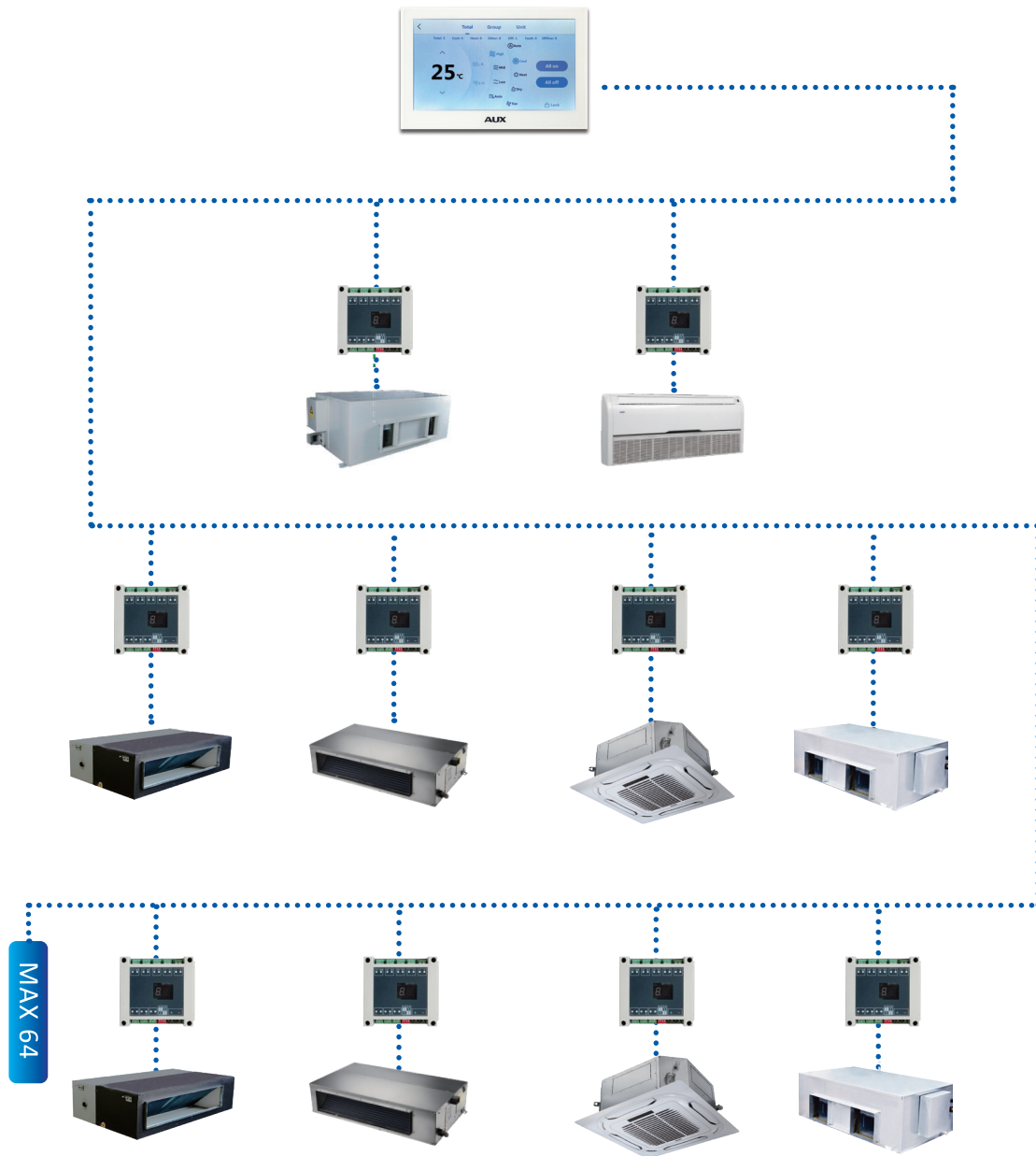
XK-05 (120x120mm)



- ① Remote Signal Receiver
- ② Timer Button
- ③ Fan Button
- ④ Function Button
- ⑤ “+” Button
- ⑥ “-” Button
- ⑦ Photosensitive sensor receiver
- ⑧ Mode Button
- ⑨ Swing Button
- ⑩ ON/OFF Button

★ Remark: The above wired controllers all use 485 communication protocol.

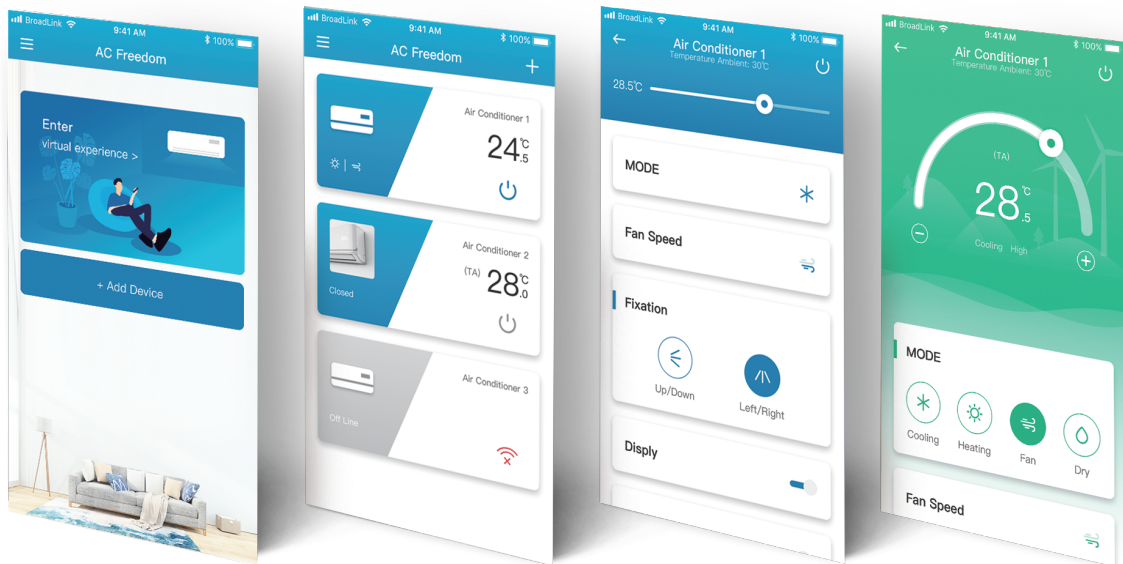
Central Control of Light Commercial



- 1.TPC7062KS can be used to centrally control up to 64 indoor units.
- 2.The indoor units can be divided into a maximum of 20 zones, each zone can be assigned no more than 64 units. You can set the indoor units of same zone in the same operation mode (default is "no zone").
- 3.Weekly schedule: TPC7062KS can include up to 64 indoor units in the weekly schedule, users can select the desired running mode and room temperature. The operation object can be a single indoor unit, a zone or all the indoor units.
- 4.TPC7062KS can display the error codes and running status of indoor unit, so users can easily identify faults via checking the error codes table in user's manual.

Wireless Network Control System

▼ Mixed connected with other indoor units

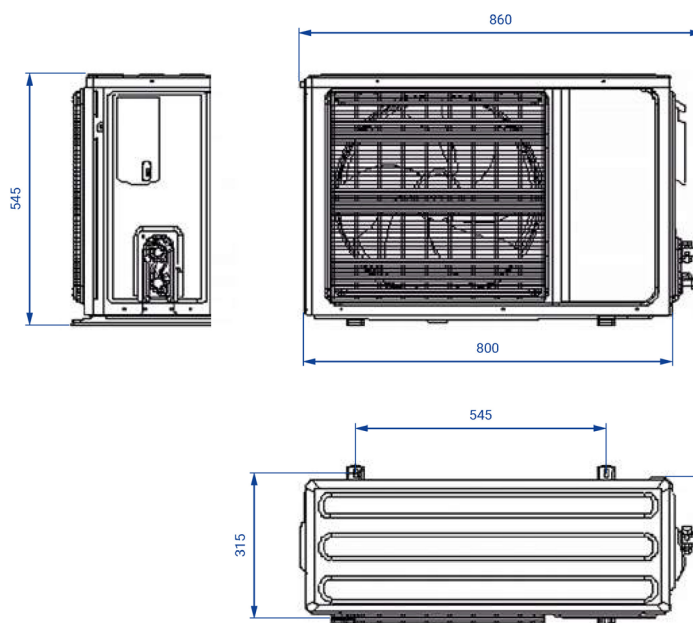


▼ Features

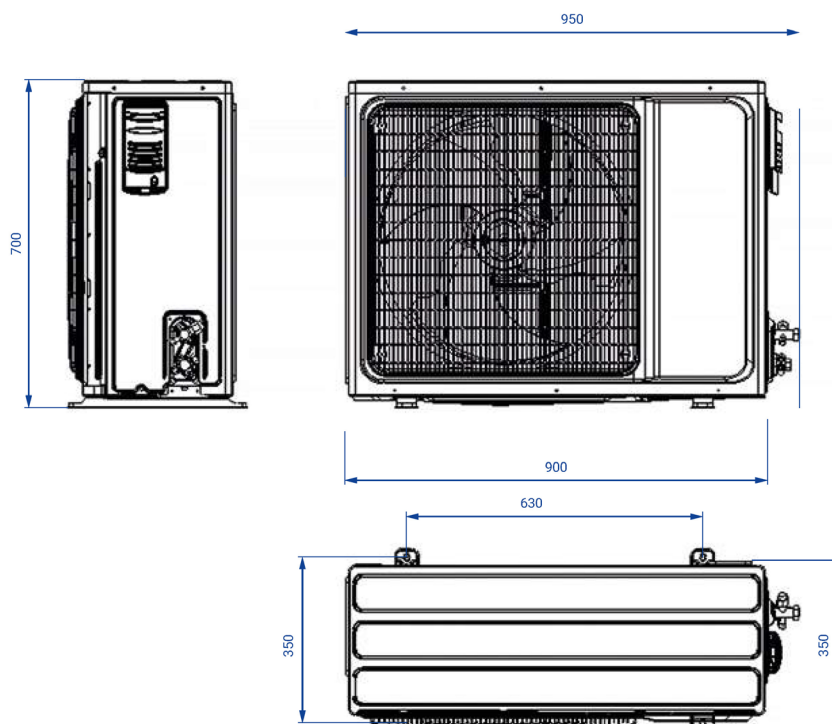
1. AUX air conditioner can connect to intelligent terminal through WIFI or GPRS network, customers can enjoy fun and convenience of remote to control the AC via iphone, ipad and other mobile terminals(Android and IOS) at anytime and anywhere.
2. The function of software on Mobile terminal includes mode control, temperature control, swing control, timing control.
3. Customers can set schedule to plan their day, also the scene mode can be set conveniently.

Venkovní jednotky CAC

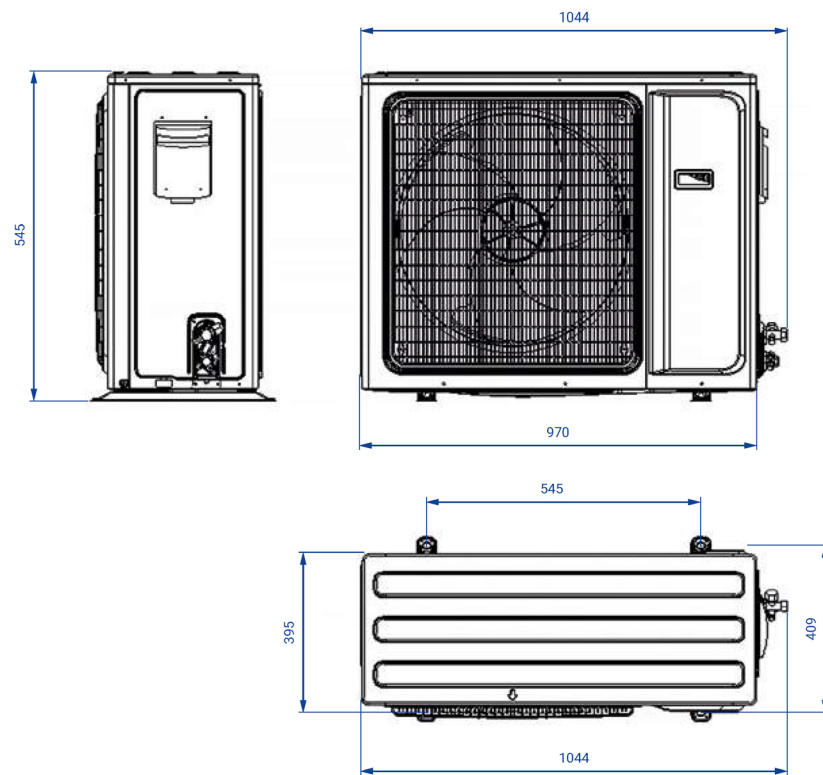
12K, 18K



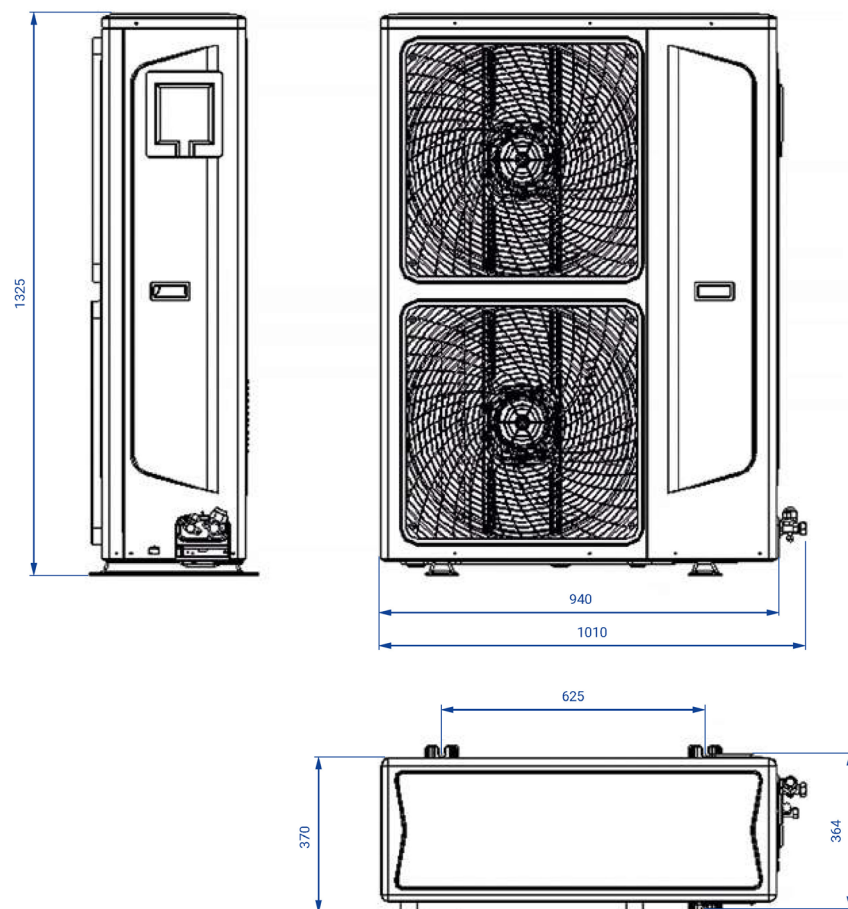
24K



30K, 36K, 42K



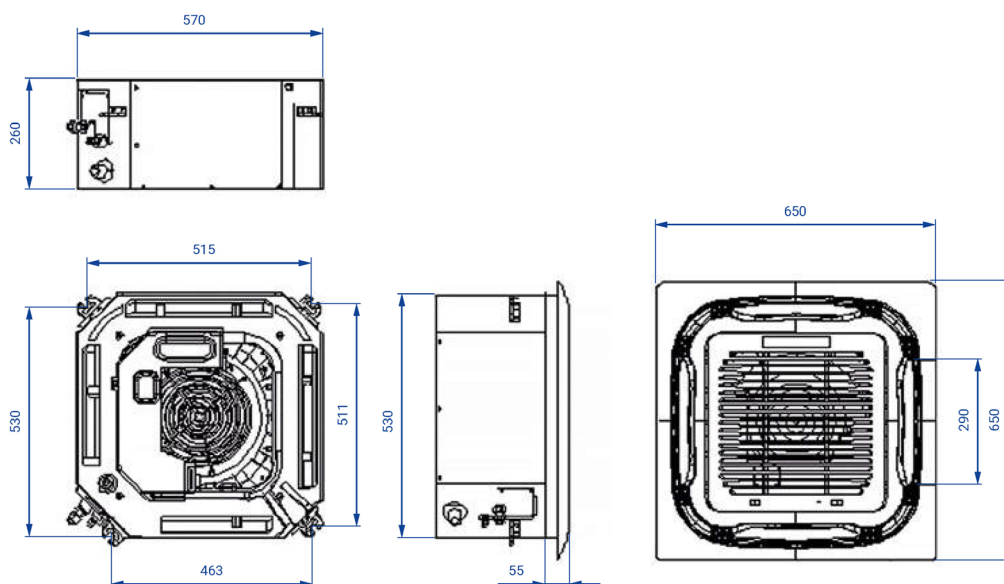
48K, 60K



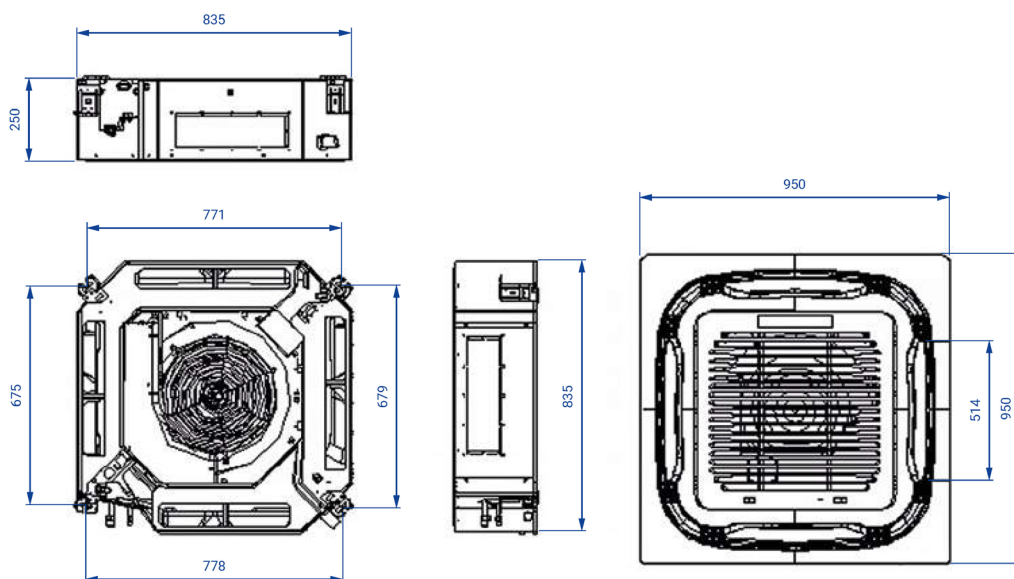
Kazetové jednotky

Série ALCA

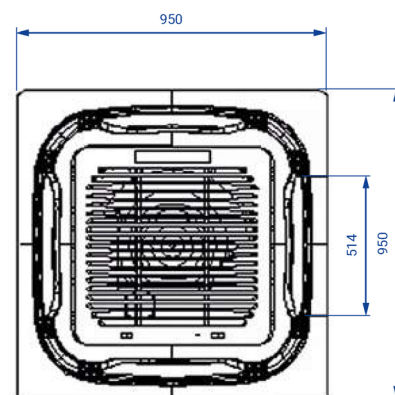
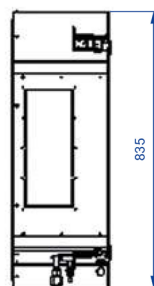
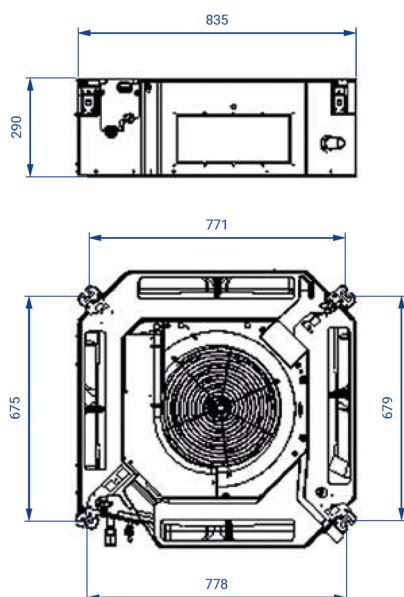
12K, 18K



24K



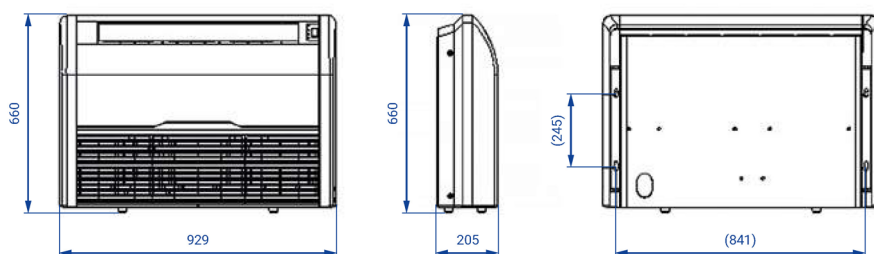
36K, 42K, 48K, 60K



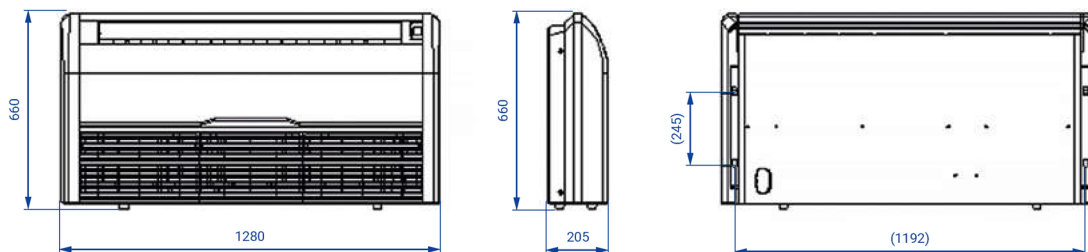
Podstropně parapetní jednotky

Série ALCF

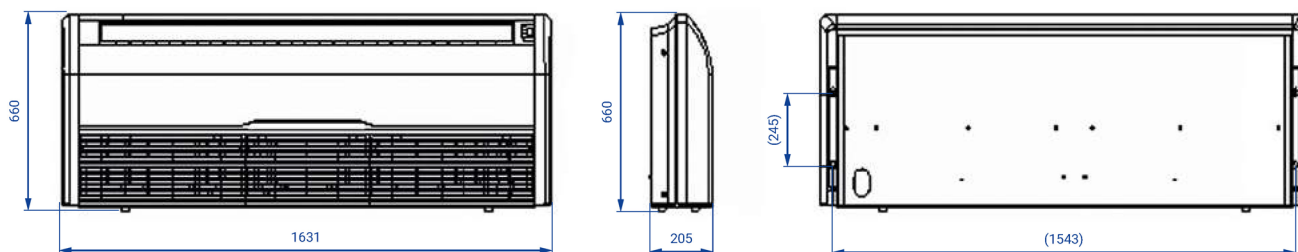
18K



24K



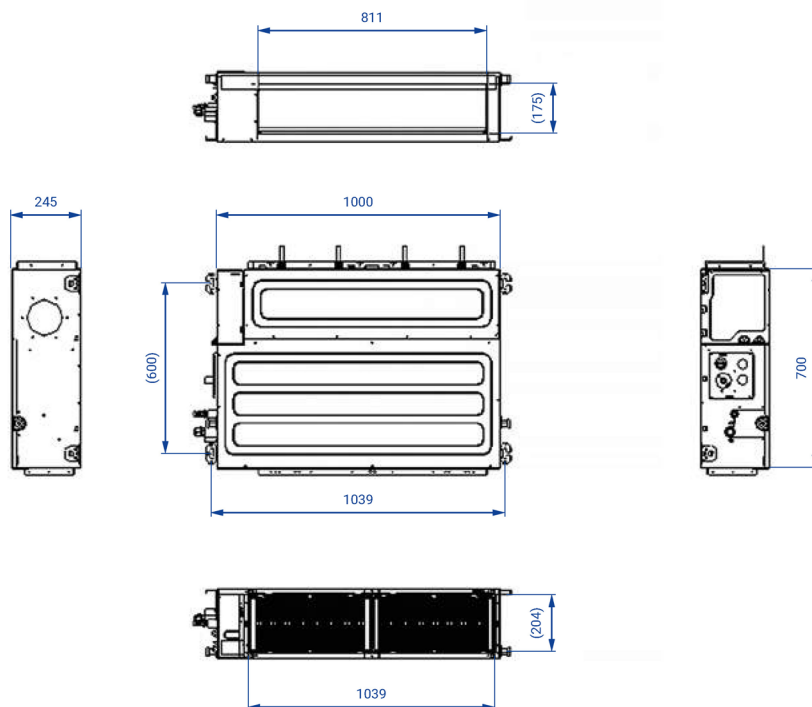
36K, 42K, 48K, 60K



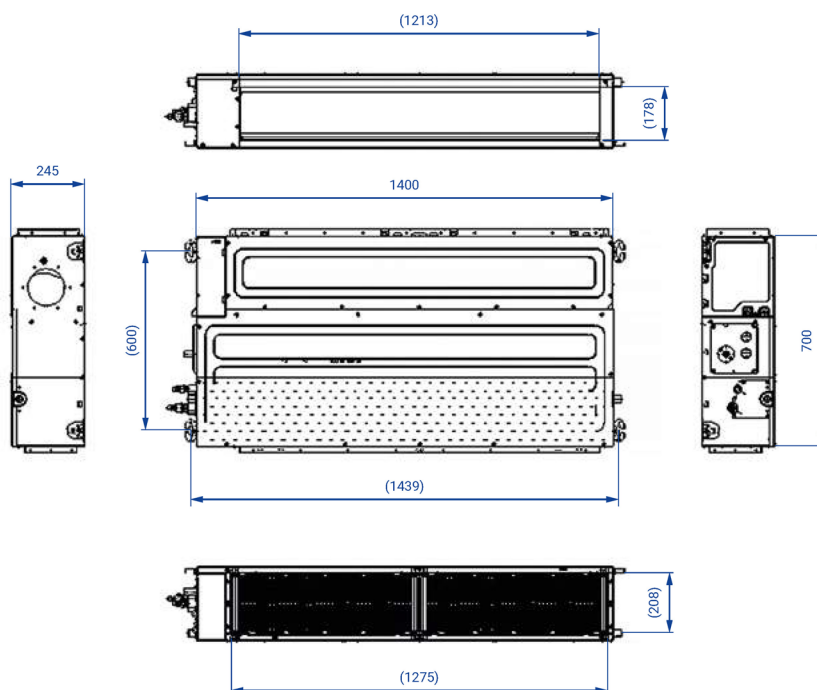
Kanálové jednotky

Série ALMD

18K, 24K



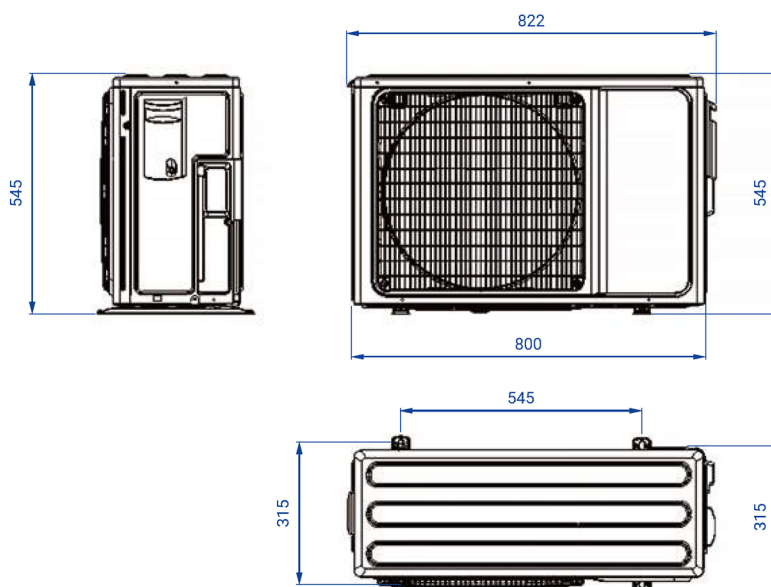
30K, 36K, 42K, 48K, 60K



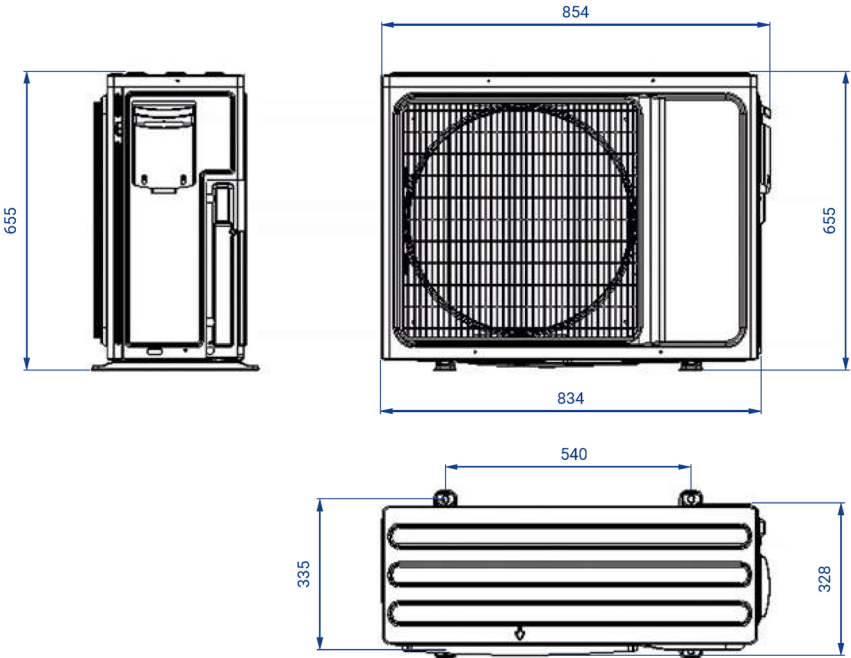
Venkovní jednotky FREE MATCH



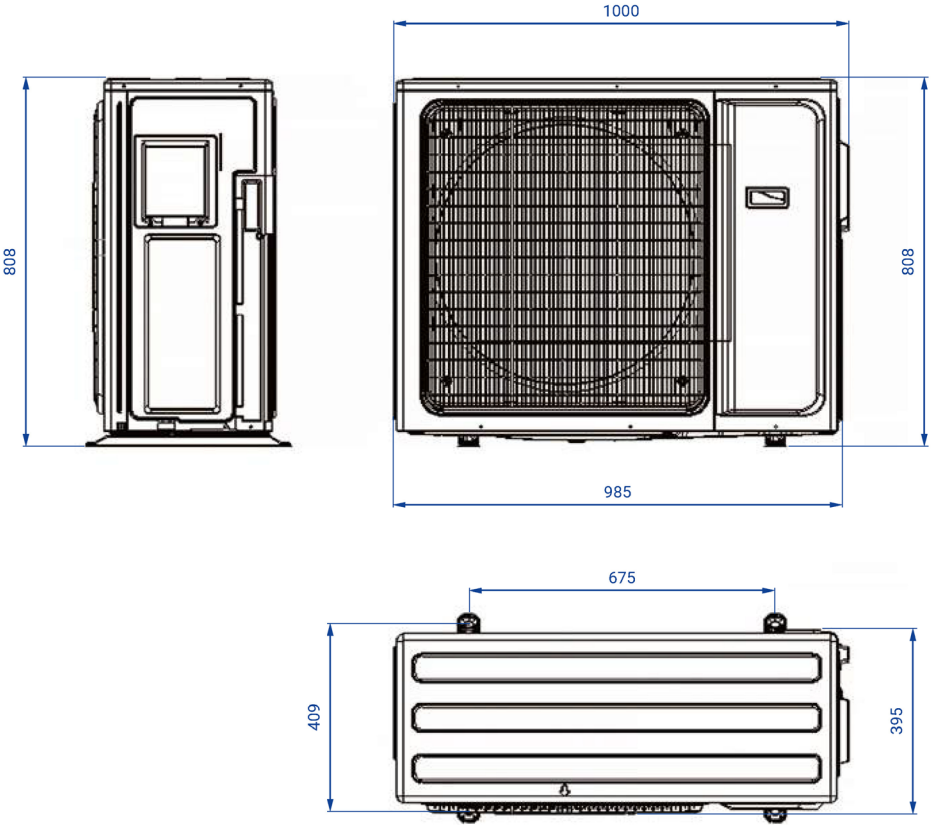
14K, 18K



21K, 27K



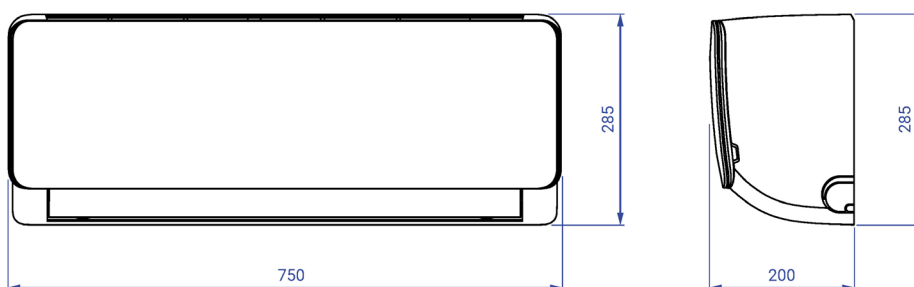
36K, 42K



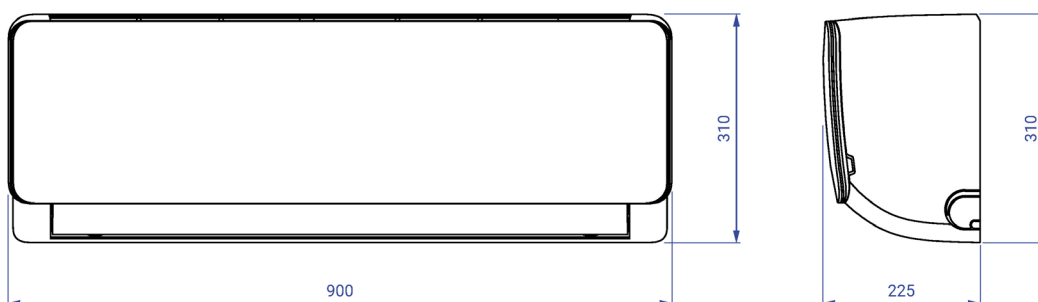
Freedom

Série F

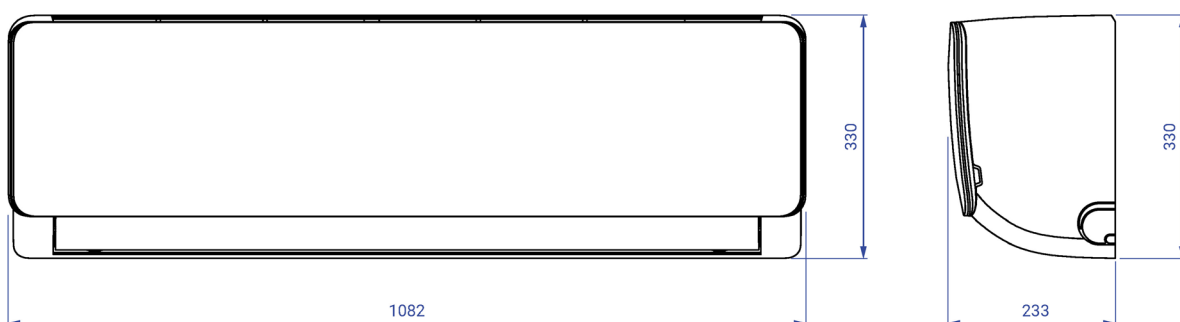
7K, 9K, 12K



18K



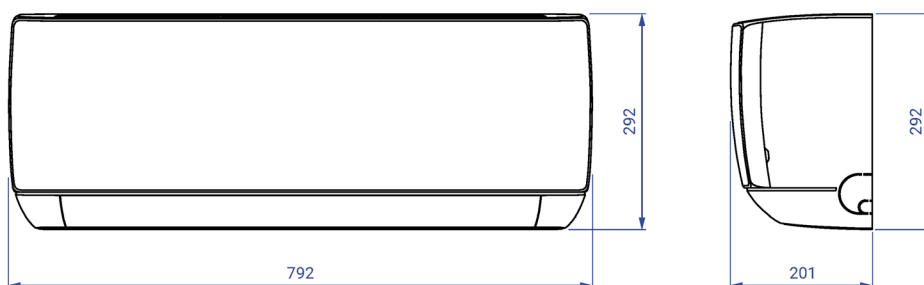
24K



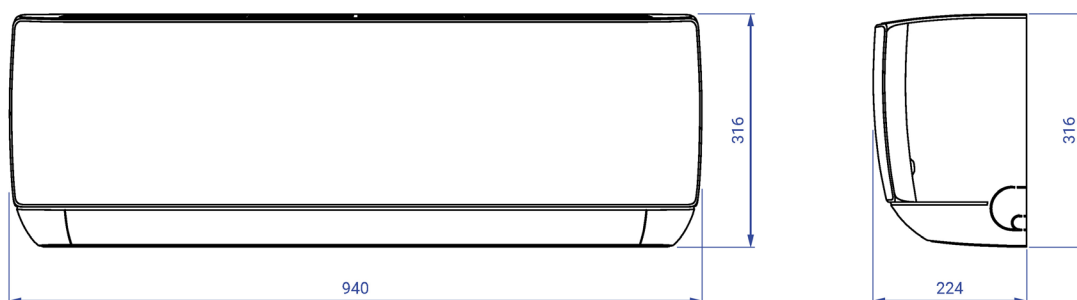
J-Smart

Série J

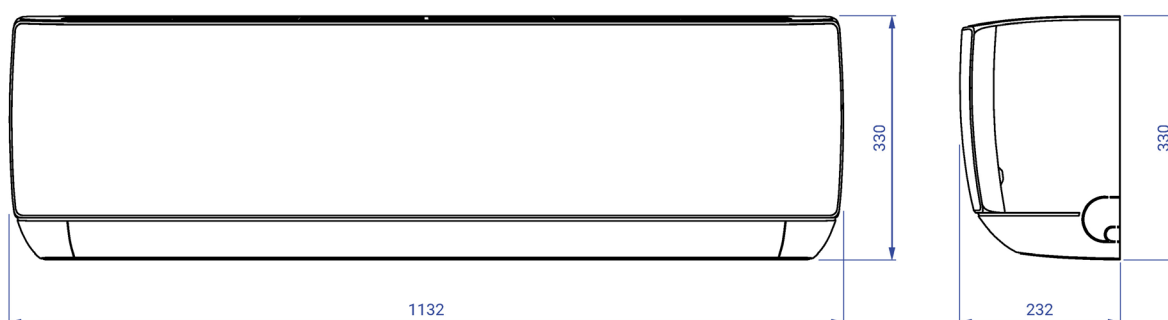
7K, 9K, 12K



18K



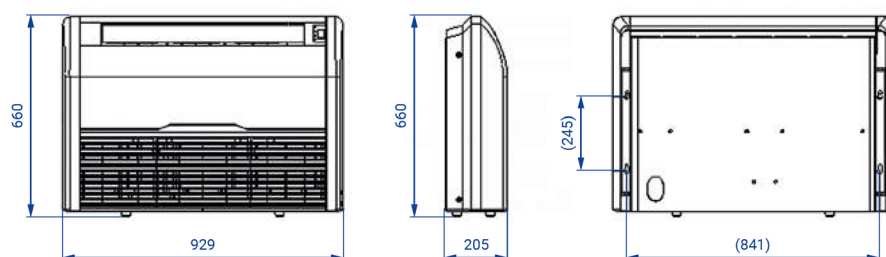
24K



Podstropně parapetní jednotky

Série AMCF

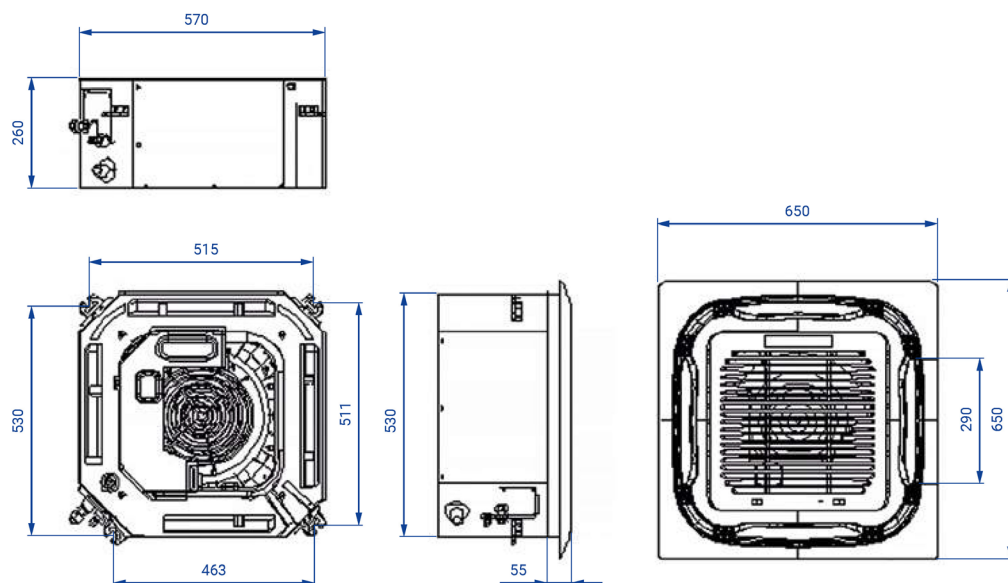
9K, 12K, 18K



Kazetové jednotky

Série AMCA

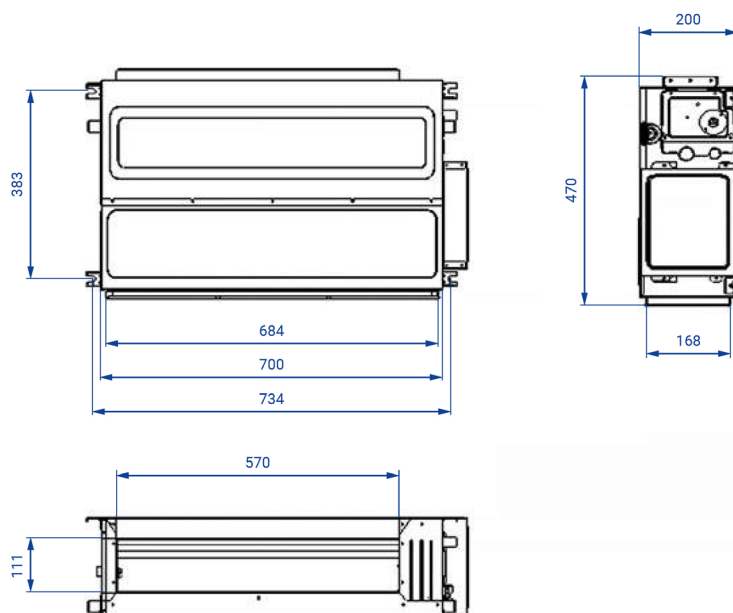
9K, 12K, 18K



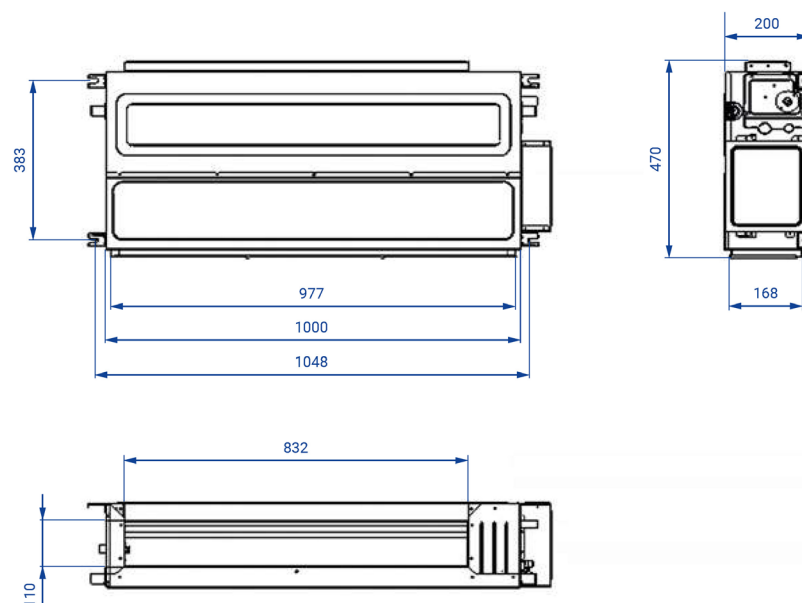
Kanálové jednotky

Série AMSD

7K, 9K, 12K



18K



AUX



2020 VRF SYSTEM



GROUP PROFILE

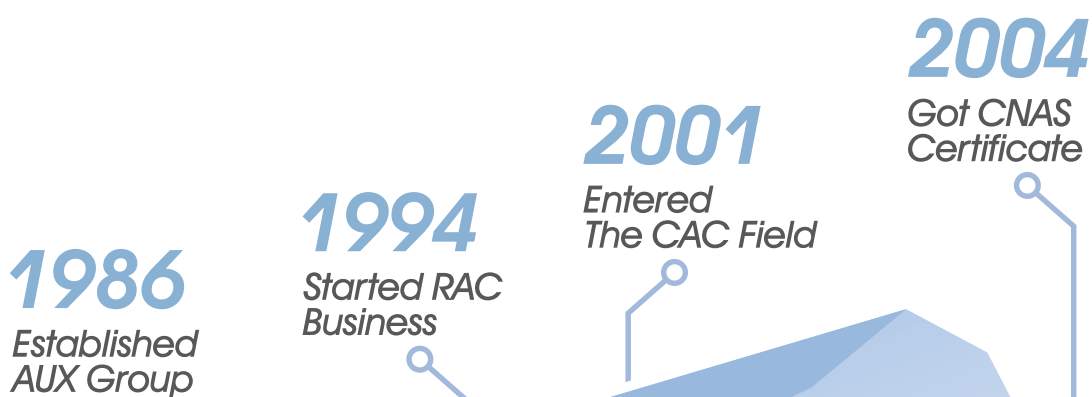
Established in 1986, AUX Group is an enterprise group which covers several industries: home appliances, electrical equipment, medical service, real estate and financial investment. For many years it ranked China's top 500 enterprises.

In 2018, the group sales reached RMB 86 billion, with total assets of RMB 56.6 billion, It has over 30,000 employees, and 10 manufacturing bases in Ningbo(3), Nanchang, Tianjin, Ma'anshan, Zhengzhou(under construction), Brazil, Indonesia and Thailand(under construction), 5 R&D centers. AUX is a leading producer of Smart Meter and Power Box in its sector, and has also ranked No.3 in the Air-Conditioning industry. Currently, it has 19 medical institutions in operation or under construction.

It owns 2 listed companies (601567.SH, 02080.HK). As a National-Recognized Enterprise Technology Center, a Technology Innovation Model Enterprise and a National Post-doctoral Workstation, it owns two globally famous brands: AUX and Sanxing, which worth over RMB 25 billion.

When AUX is working on its development, it also cares about performing its social responsibilities. In the past years, it has donated RMB 279 million in total to various public programs, such as the field of targeted poverty alleviation, education, disaster relief and environment protection.

In the new era, aiming to become a world-class enterprise, AUX will keep carrying out the mission of "Creating an intelligent living environment and Cultivating great talents", and work hard to achieve the strategic goal of "100 billion market value, 100 billion sales and 10 billion profits".



2019

*Launched All DC Inverter
ARV 6 Globally*

2016

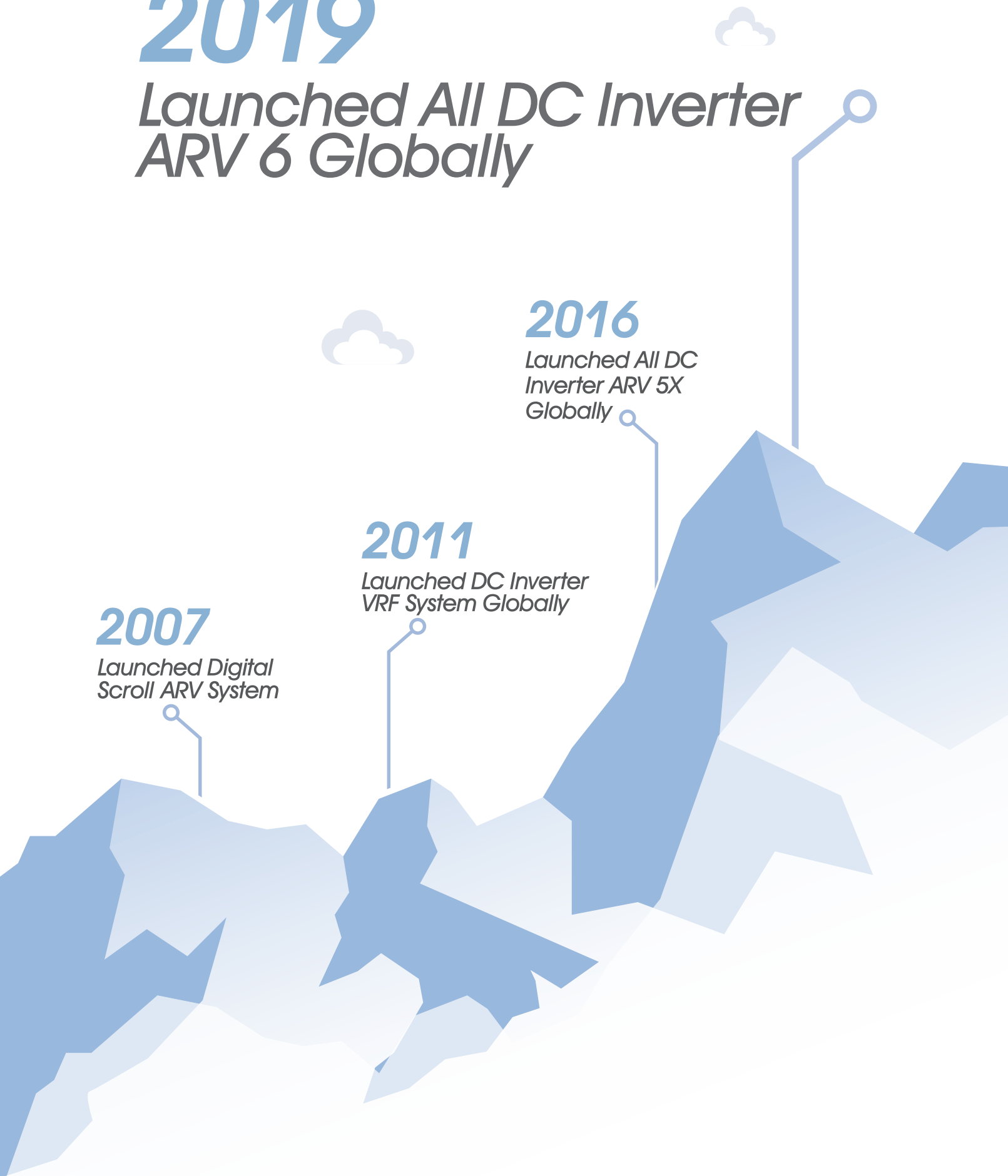
*Launched All DC
Inverter ARV 5X
Globally*

2011

*Launched DC Inverter
VRF System Globally*

2007

*Launched Digital
Scroll ARV System*



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Branch Pipe	74
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Project Reference

	75
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Product Lineup

Modular VRF Outdoor Unit

All DC Inverter

Capacity	(kW)	25.2	28.0	33.5	40.0	45.0	50.4	56.0	61.5	Page
	(HP)	8	10	12	14	16	18	20	22	
ARV 6										
		●	●	●	●	●	●	●	●	9

ARV 6 Series

8/10/12HP	14/16/18/20/22HP	24/26/28/30/32/34/36/38/40/42/44HP
		
46/48/50/52/54/56/58/60/62/64/66HP	68/70/72/74/76/78/80/82/84/86/88HP	
		

Individual VRF Outdoor Unit

Capacity(kW)	Appearance	61.5	67.0	73.0	78.5	85.0	90.0	Page
ARV Individual		●	●	●	●	●	●	27

ARV Individual

22/24HP	26/28/30/32HP
	

Product Lineup

Mini VRF Outdoor Unit

Capacity(kW)		8	10	12	14	16	22	28	Page
ARV Mini		•	•	•	•	•	•	•	31

Indoor Unit (DC fan motors)

Capacity(kW)	Appearance	2.2	2.8	3.6	4.5	5.6	7.1	8.0	9.0	10.0	11.2	12.5	14.0	15.0	Page
Four-way Cassette			•	•	•	•	•	•	•	•	•	•	•		40
Slim Duct		•	•	•	•	•	•								43
Mid ESP Duct					•	•	•	•	•	•	•	•	•	•	45
Wall-mounted		•	•	•	•	•	•								55

Indoor Unit (AC fan motors)

Capacity(kW)	Appearance	2.2	2.8	3.6	4.5	5.6	7.1	8.0	9.0	10.0	11.2	12.5	14.0	15.0	Page
One-way Cassette		●	●	●	●	●	●								37
Two-way Cassette		●	●	●	●	●	●								38
Four-way Cassette							●	●	●	●	●	●	●		41
Slim Duct		●	●	●	●	●	●								43
Mid ESP Duct					●	●	●	●	●	●	●	●	●	●	45
High ESP Duct											●	●	●	●	47
Ceiling&Floor					●	●	●	●	●	●	●	●	●		51
Wall-mounted		●	●	●	●	●	●								55
Capacity(kW)	Appearance	22.0			28.0			45.0			56.0			Page	
High ESP Duct			●			●			●			●		47	
Fresh Air Processor			●			●			●			●		48	

AHU Kit

Mode	Appearance	ARVK01			ARVK02			Page
ARVK			•			•		66

Heat Recovery Ventilator

Air Volume(m³/h)	Appearance	200	300	400	500	600	800	1000	1500	2000	2500	3000	4000	5000	Page
HRV		•	•	•	•	•	•	•	•	•	•	•	•	•	70

Health



Fresh Air Intake

Air outside can be led into the room via a connection pipe, which keeps the indoor air fresh and healthy.



Long-term Filter

The latest long-term filter ensures better air quality. Meanwhile, the cleaning frequency has been decreased, and maintenance is also much easier.



Self-Cleaning

Indoor unit will continue running with special combined mode to blow and dry indoor evaporator after the unit switch off so as to keep clean and healthy.

Comfort



Anti-Cold-Air

When starting the heating operation, the fan speed is regulated automatically from the lowest speed to the preset level. This function can prevent cold air from blowing out at the beginning of the operation, which avoids the discomfort to the user.



Follow Me

Temperature sensor built in the remote control will sense its surrounding temperature, so the unit can achieve accurate and comfortable temperature control just like the air conditioner is following you.



Fast Cooling /Heating

Startup at high frequency increases cooling/heating capacity and reduces time to reach set temperature, thus you can enjoy cooling and heating in seconds.



Auto swing

Distributes cool/warm air to maximum area by moving horizontal and vertical fags automatically.



Independent Dehumidification

With the independent dehumidification function, the unit can efficiently dehumidify the room and give you more comfort.



3D Air Flow

Combine vertical and horizontal auto swing to ensure an even distribution of air flow throughout the room.



Dimmer

Press this button to shut off the display light on the front panel.



Silent

Indoor fan will run at super breeze speed and indoor noise level can be extremely low when the unit enters silent mode operation.

Reliability



Self-diagnosis Function

Once abnormal operation or parts failure happen, the unit will monitor the failures, the microcomputer of air conditioner will switch off and protect the system automatically when it happens. Meanwhile, the error or protection code will be displayed on the indoor unit.



Low Ambient Cooling

With special designed PCB, outdoor fan speed can be changed automatically according to condensation temperature. The air conditioner can run cooling operation even when the outdoor ambient temperature down to -15°C.



Intelligent Defrosting

Normal defrost function can only be operated in certain time, but AUX commercial air conditioner's intelligent defrost can start automatically according to the surrounding condition.



Compressor Heating Belt

Auxiliary heating belt can increase compressor oil temperature in winter and prevent defrosting water accumulated, which improves heat transfer efficiency.



No Frosting Chassis

The unique pipeline design makes the temperature on chassis higher than normal units, and it prevents defrosting water accumulated, which improves heat transfer efficiency and solves the drainage problem.



Golden Fin

Effectively prevent bacteria breeding and improve heat transfer efficiency. The unique anti-corrosive golden coating on the condenser can withstand the rain, salty air and other corrosive elements.



Fire-proof Electric Box

Electrical control box adopts new design, which can meet the higher fire safety requirement to prevent the internal fire due to the electric spark accident.

Energy Saving



180° Sine Wave Control

With considerable advantages, DC Inverter 180° sine wave driving technology has much wider range of frequency and voltage, higher energy efficiency, more smooth running and lower noise.



Sleep Mode

The function enables the air conditioner to automatically increase cooling or decrease heating 1°C per hour for the first 2 hours, then holds steady for the next 5 hours, after that it will switch off. This function maintains both energy saving and comfort in night.



Hydrophilic aluminum fin

The louvered hydrophilic aluminum foil has improved by more than 10%. There refrigerant inlet and outlet are separated, to ensure the sub-cooling and enhance the cooling capacity.



Full Process By DC Drive

DC control, DC Compressor, DC indoor motor, DC outdoor motor, and DC Electronic expansion valve make low noise and high efficiency.

Convenience



24-hour Timer

Users can turn on or turn off the air conditioner at any time in 24 hours with remote controller or wireless controller.



Built-in Drain Pump

The built-in pump can lift the condensing water 1200 mm upmost from the drainage pan.



Dual side Drainage

Both left and right sides of the indoor unit are possible for drainage hose connection, and it's easy for installation with this function.



Digital Tube Display

Easily for the running parameters checking and more convenient for troubleshooting, digital tube displays work status such as indoor temperature, setting temperature, the mode of operation, etc.



Remote Control

Help users to control the air conditioner easily, you can design your most comfortable settings with this controller.



Wired Control

Help users to control the air conditioner easily, the wired controller can be fixed on the wall and avoid mislaying. It's mainly used for commercial zone and makes air conditioner control more convenient.



Central Control

With the control function of weekly timer, zone (or group) setting etc., the centralized controller can control 64 units with RS 485 wire connection and the central control adapter.



WIFI Control

With the WIFI control, you can easily turn off the air conditioner outside your house via smart device. Furthermore, you can turn it on before you come back. The indoor unit filter can be taken off to wash easily and it keeps cleaning air all the time.



Washable Filter

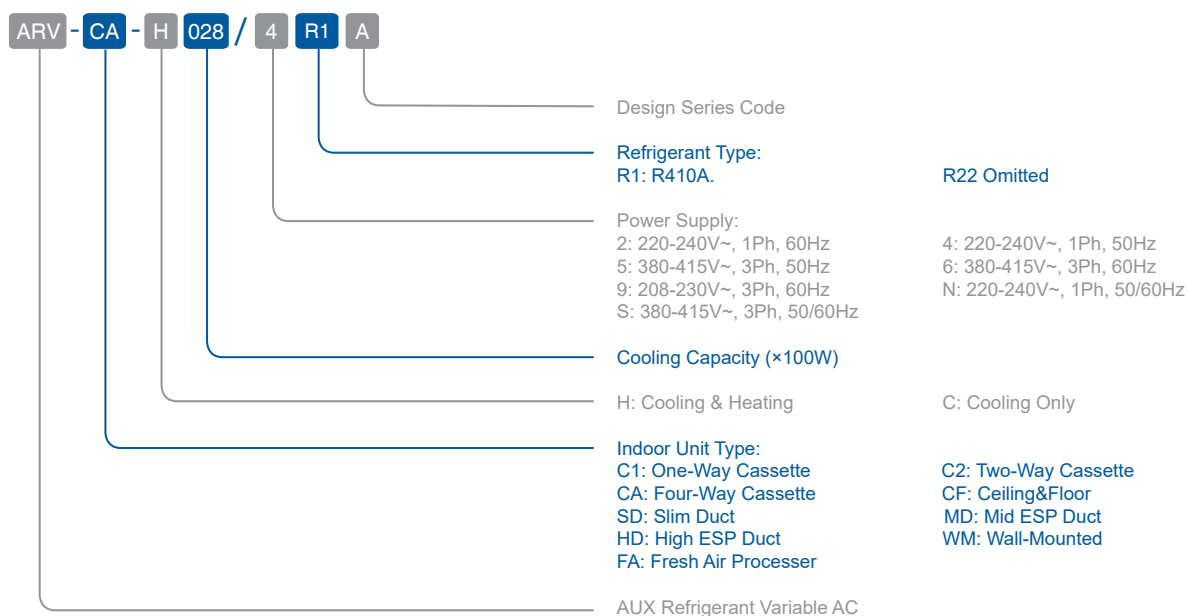
The indoor unit filter can be taken off to wash easily and it keeps cleaning air all the time.



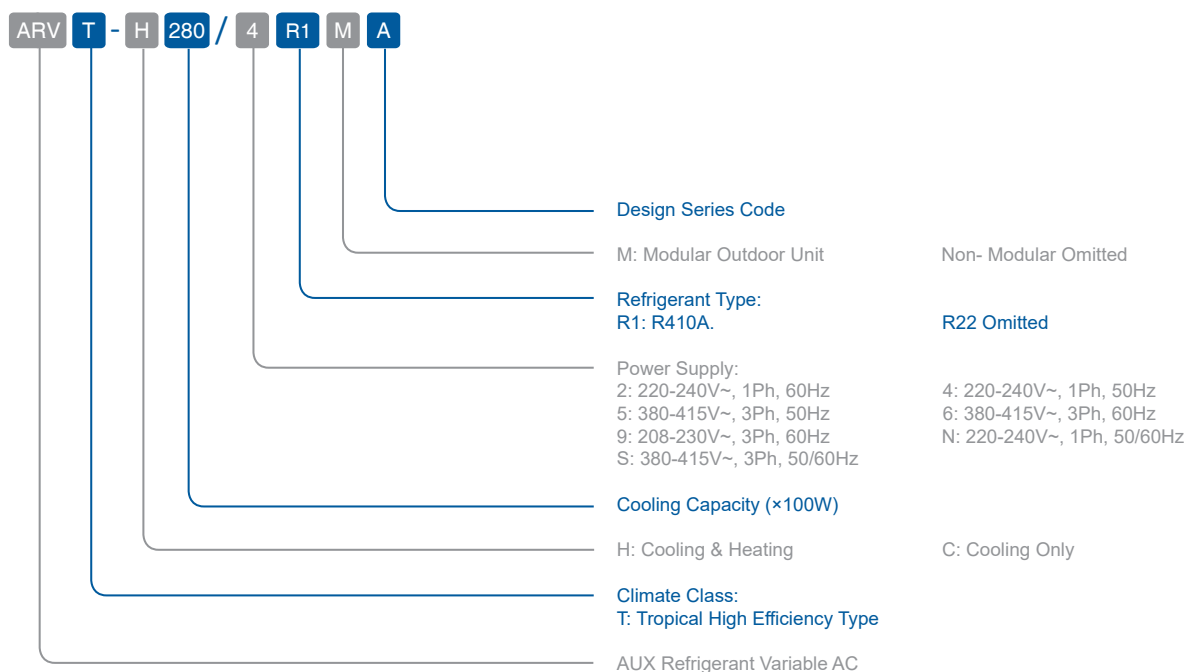
Auto Restart Function

If the air conditioner breaks off unexpectedly due to the power cut, it will restart with the previous setting mode automatically when the power resume.

Indoor Unit



Outdoor Unit



ARV 6 Series

-All DC Inverter ARV System



ARV 6 Series



VER Technology

Variable Energy-efficiency Regulation

Evaporating and condensing temperature makes strong effect to the cooling and heating performance and energy-efficiency ratio of AC system.

Thanks to VER technology, ARV6 series has various modes with different refrigerant temperature which lead the system to different performance and energy-efficiency ratio.

Cooling: 3 modes with different evaporating temperature.

Heating: 3 modes with different condensing temperature.

Turbo mode

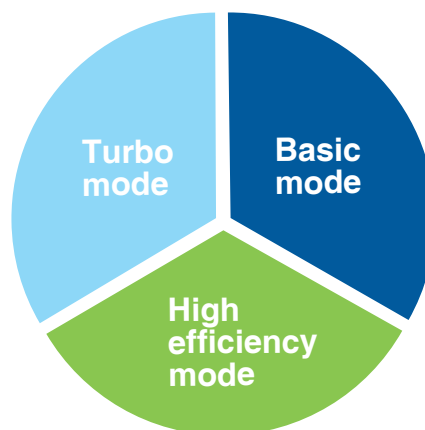
High cooling and heating performance, cool down or warm up the room rapidly.

Basic mode

Default mode, balance the reaction speed and efficiency.

High efficiency mode

Satisfy the lowest capacity requirement and low the energy consumption.



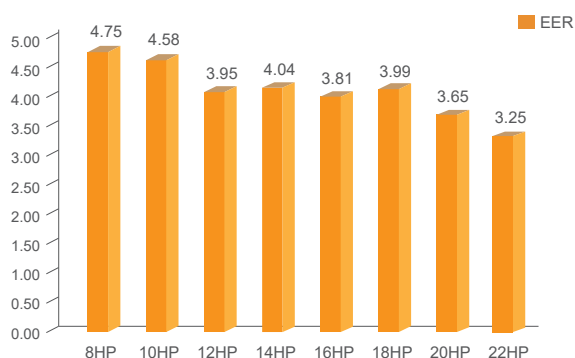
Users can choose a certain mode according to the actual need in different area and climate, so that the system can satisfy various requirement, and the seasonal efficiency can be optimized.

High Efficiency and Energy Saving

High EER And COP

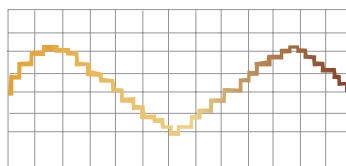
ARV 6 Series achieves the industry's top class energy efficiency in cooling and heating by utilizing all DC inverter compressors, and Enhanced vapor injection.

The cooling EER is up to 4.75 and the heating COP is up to 5.48 in the 8HP category.

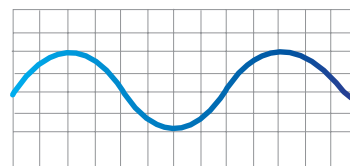


180° Sine Wave Control

DC inverter compressor uses 180° sine wave vector control technique makes motor operate smooth and increases the efficiency. significantly compared with traditional sawtooth wave. It also can lower the noise level.



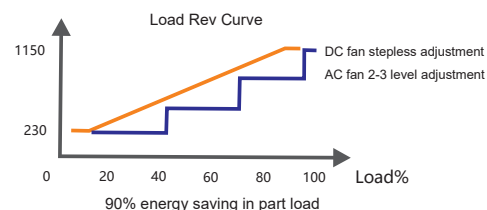
Traditional Control



180° Sine Wave DC Control

DC Brushless Fan Motor

DC brushless motor adjusts the fan speed according to the system pressure, and running load to enhance the efficiency by 45%. The super aero fan provides a larger air volume and higher static pressure.



Enhanced Vapor Injection DC Inverter Compressor

EVI-Enhanced vapor injection

Heating condition, reducing the outlet temperature, increasing the compressor capacity, improving the heating performance.

Optimize the asymmetric vortex design

Heating condition, reducing the outlet temperature, increasing the compressor capacity, improving the heating performance.

Dynamic oil balance structure

Oil balance tube implementation parallel compressor and oil quantity dynamic equilibrium, ensuring the reliability of several parallel compressors.

High efficiency motor configuration

Using high quality material concentrated stator, cooperate with neodymium magnet rotor, having outstanding efficiency.

High pressure cavity structure

Large exhaust buffer volume, reducing the air flow noise and vibration of the runtime.

Pressure relief valve structure

Improving the partial load efficiency, adapt to the transformer ratio working condition, improving the compressor performance.

The intermediate pressure servo mechanism

According to the operation pressure among dynamic adjusting middle pressure, has realized the axial flexible, optimization of dynamic vortex disk meshing, improve product performance.

High reliability of the bearing

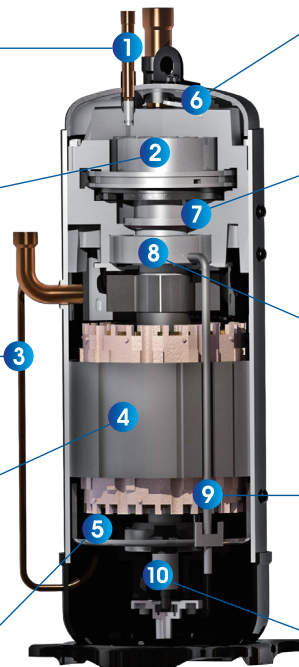
Adopt cylinder bearing and self-aligning ball bearing bearing group, improving the reliability of the compressor.

Internal oil circulation structure

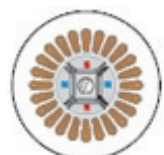
Lubricating oil to achieve internal circulation, reducing heat loss, decreasing the rate of spitting oil, improve the efficiency and reliability.

Positive displacement gear oil pump

Positive displacement gear oil pump to ensure the high and low frequency can satisfy the oil supply, improving the reliability of the compressor.



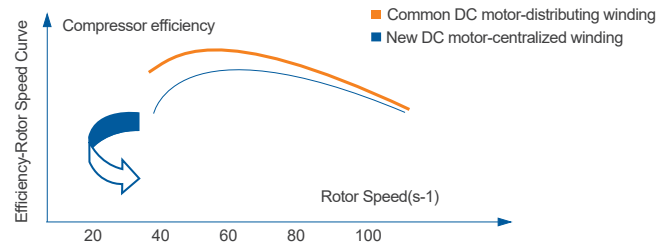
High-efficient permanent magnetic motors are installed, giving better performance than traditional DC inverter compressors.



Centralizing winding



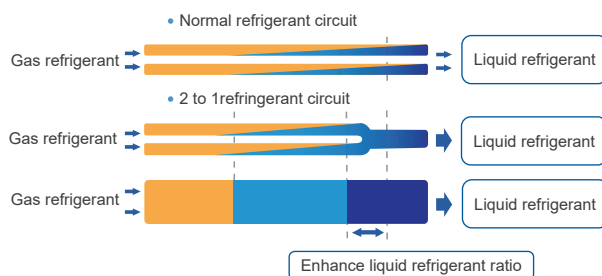
Distributing winding



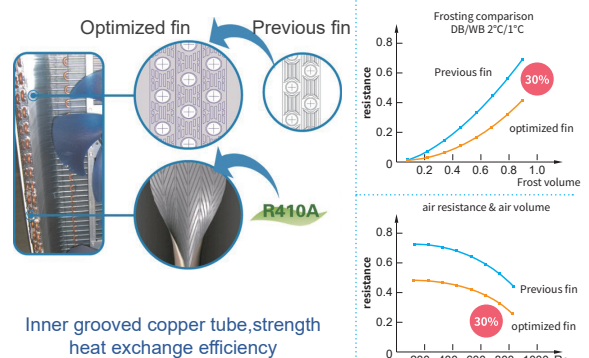
Powerful magnets provide high torque and efficiency and achieve 70% reduction in volume.

High Efficient Heat Exchanger

Optimized 2 to 1 refrigerant circuit design, increase the heat exchanging efficiency and enhance the ratio of liquid which flow to the evaporator.

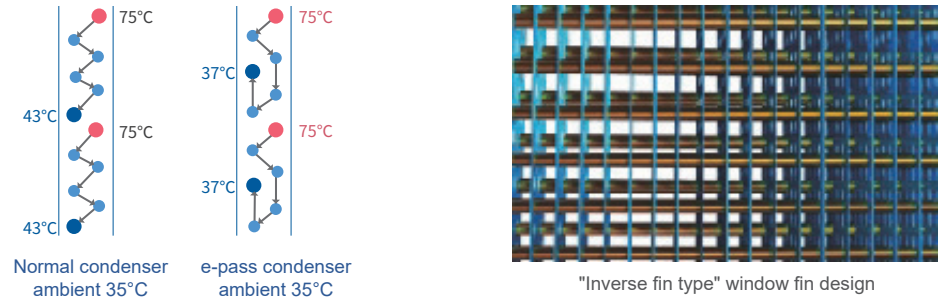


Optimized fin design, reduces the water resistance and the wind resistance.

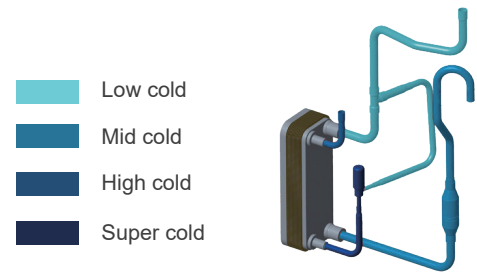


2-stage Sub-cooling Technology

The first stage sub-cooling process due to optimized refrigerant circuit and "Inverse fin type" window fin design.



The second stage sub-cooling process by a high efficiency plate heat exchanger with a sub-cooling EXV.



4-times Anticipation Energy-saving Control Technology

Module anticipation energy-saving control technology

In partial load, intelligent judgment single operation and the efficiency of the module keep the minimum power consumption.



Compressor anticipation energy-saving adjustment technology

Control compressors quantity and operating frequency, to get higher energy efficiency ratio in partial load.



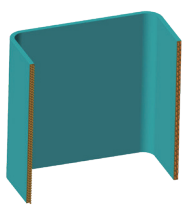
Fan anticipation energy-saving adjustment technology

Control running quantity and operating frequency, obtain higher energy efficiency ratio under partial load.



Refrigerant anticipation energy-saving technology adjustment

Adjust the opening of the electronic expansion valve, to improve the effect of condenser heat transfer, to get higher energy efficiency ratio under partial load.



Wide Application Range

Large Capacity&Free Combination

8 basic models from 8HP to 22HP.

Maximum combination: 88HP(246kW), top level in industry.

Less quantity of system, space saving, easy installation and low cost.



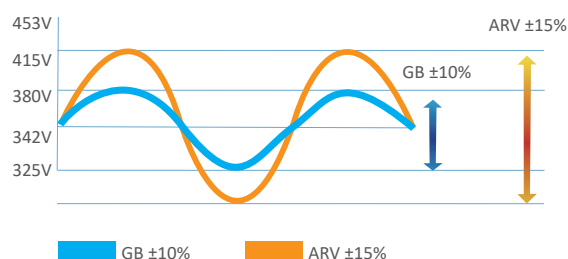
Wide Operation Range

No matter in hot summer or cold winter, ARV6 can supply comfortable environment for users.



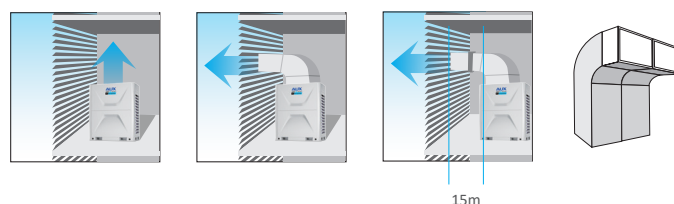
Wide Voltage Design

In Country with unstable voltage, ARV system still could run stably.



Changeable ESP

Optimized fan provide outdoor unit up to 80Pa static pressure. Outdoor units can be installed in the service floor or facility room.



Long Piping Length

Thanks to the DC inverter control technology and sub-cooling circuit technology ,it is possible to design a system with longer piping and elevation difference which make it easier to design and installation.

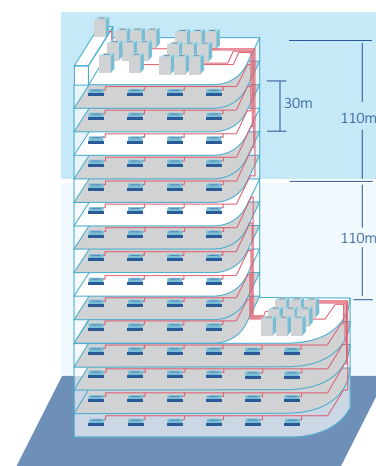
Max. Total piping length — 1000m

Max. Actual piping length — 240m

Max. piping length from 1st indoor branch to the farthest indoor unit — 40m/90m*

Max. Level difference between indoor units — 30m

Max. Level difference between ODU and IDU units — 110m



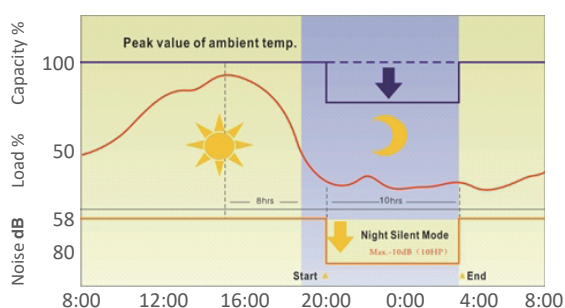
*The longest length after first branch is 40m as standard can be extended to up to 90m under certain conditions.Please contact your local dealer for further information.

Comfortable And Healthy Environment

Silence Operation

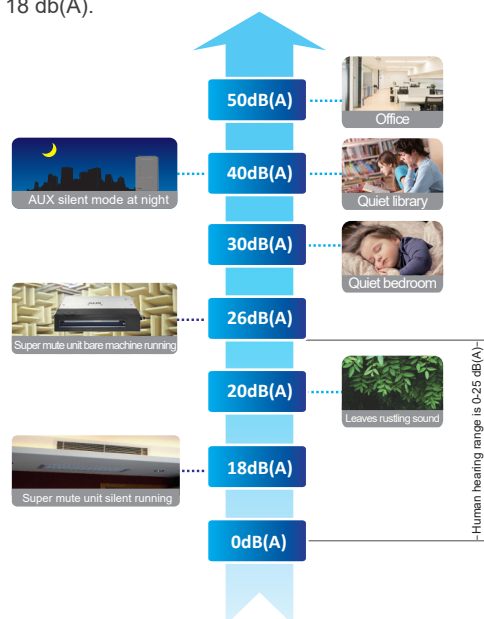
Outdoor Unit Quiet Mode

By using optimized fan blades and the CFD(computational Fluid Dynamics) technology, the product is equipped with the night low-noise operation function. Provide more quiet operation during the night. Minimum operation noise only 45dB(A)



Indoor Unit Quiet Mode

Innovative centrifugal fan for large diameter and a new design of the spiral duct system equipped with high-quality motor at the same time, making the air supply more quietly and smoothly. The lowest noise is 18 dB(A).

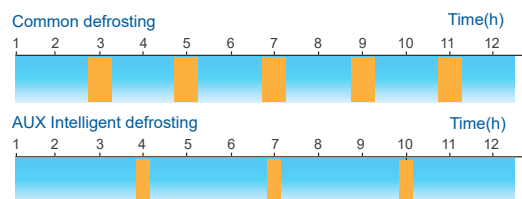


Intelligent Defrosting

Variable parameters defrost through temperature and pressure sensors, to grasp time accurately which can defrost or heat normally.

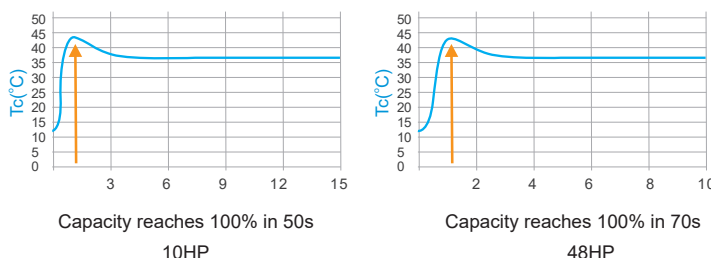
Base on the main unit and at the end of the EXV control the output, fast bolt in liquid refrigerant system, unit operation is more stable; Through the dry run, defrosting exhaust temperature higher, more complete, more conventional. The defrosting time less 3 min than others at least.

Refrigerant pipeline design to ensure outdoor heat exchanger bottom no frost during heating and ice water mixture discharge smoothly when defrosting.



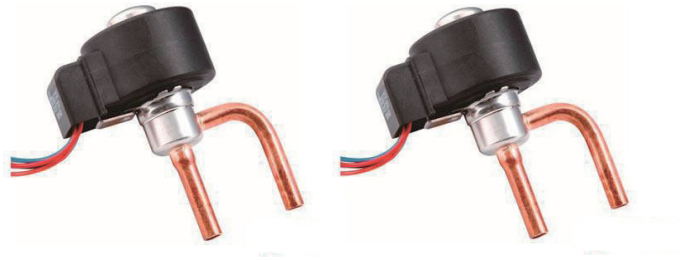
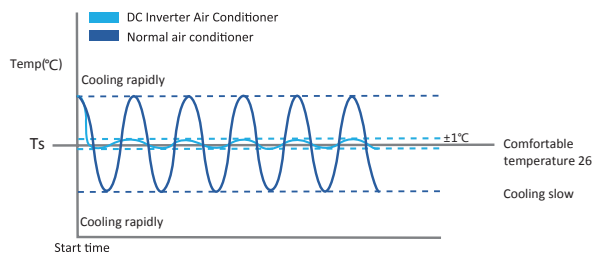
Fast Warm Up And Cool Down

The DC Inverter Compressor system reaches full load rapidly providing less temperature fluctuation and an improved living environment, bring great user experience.

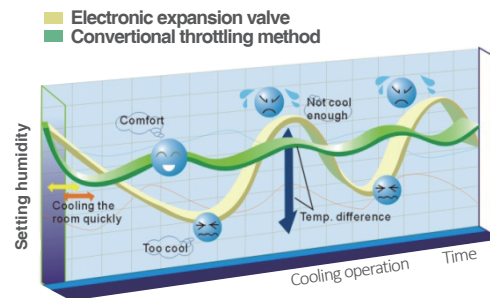


Precise Temperature Control

AUX composite temperature control technology, through the indoor/outdoor operation condition detection, adjust outdoor power output, optimize the indoor air distribution, achieve the high precision adjustment of 1°C .



The unit uses PI calculation principle to calculate the percentage of indoor capacity demand according to indoor temperature fluctuations, to perform real-time control to the compressor operating frequency and through the double EXV adjustment, precision up to level 1000, accurately control the refrigerant flow, assure indoor comfort.



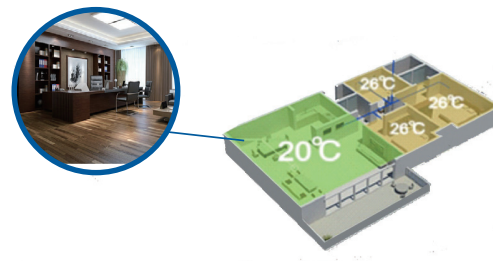
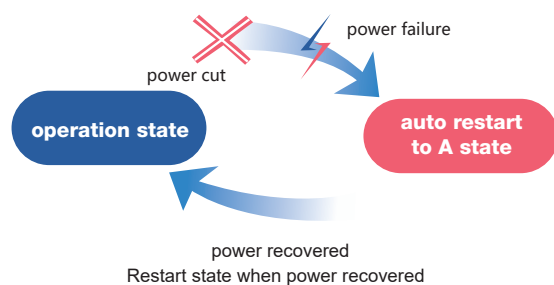
Humanization Design

VIP Function

Special VIP control function, the VIP room will decide the whole system operation mode, prior to other mode or economic locking function, ensure the priority of the important room.

Auto Restart Function

The AC can automatically memorize the operation setting when power is cut off accidentally. It can return to previous setting when power resumes. Recover the former operation state when power is restored, no need restart the unit manually.



Economic Locking Function

Special design economic locking function, through outdoor PCB switch setting. If work in economic lock, AC lowest work cooling temperature will keep in 26°C and highest heating temperature keep 20°C .



Easy Installation & Maintenance

Saving Installation Space

Less quantity of system, space saving, easy installation and low cost.



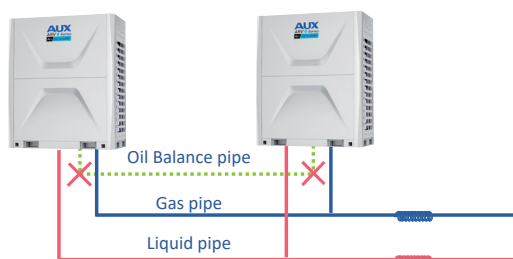
22HP: Required Space Reduced by 44%



88HP: Required Space Reduced by 36%

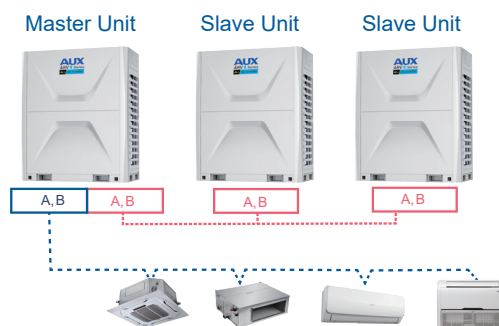
No Oil Balance Pipe Between ODUS

High efficient oil/gas separating tech, make the system oil balance between compressors without oil balance pipe.



Non-Polar Communication

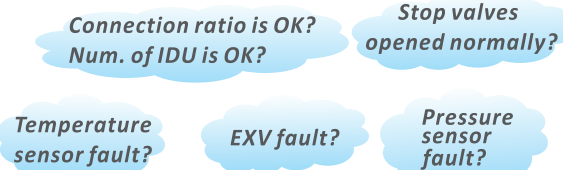
No polar in communication wire, easy installation and commissioning.



Auto Commissioning

When commissioning, the outdoor mainboard can check the operation state and show the corresponding error code in engineering mode.

Find out the faults when commissioning, enhance the reliability of the system.



Auto Refrigerant Recycling & Auto Refrigerant Charging

Refrigerant can be recycled to the outdoor units when maintenance is need.

The outdoor unit can adjust the refrigerant amount according to the operation parameters such as pressure and temperature, and remind the installation personnel to stop charging.



One Button Test Run

Press the button lightly once in the motherboard outdoor, to realize the cooling and heating test run, don't need to open indoor machine one by one.



Auto Dust Removal & Auto Snow-Blowing

The outdoor fan can rotate in reverse direction to remove dust on heat exchanger to ensure the heat exchange performance.



Black BOX Function

Using aviation grade Black BOX technique, memorizing operation parameters before the failure, finding fault information quickly, as an accurate, efficient maintenance services to provide valuable information, maintenance more convenient.



360° Pipe-connecting Mode

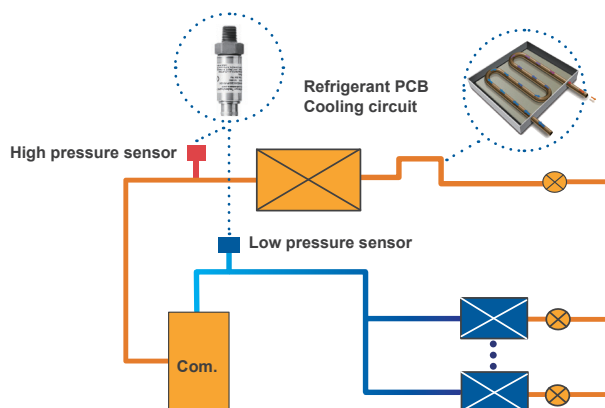
ARV- 6 series can be on the front, left side, right side to choose pipe-connecting direction freely, it's easy to install.



Reliable & Stable

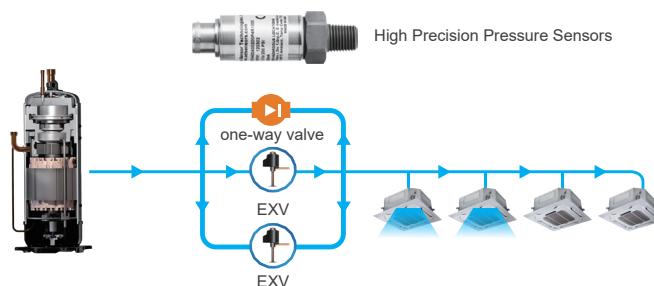
Refrigerant PCB Cooling System

The PCB is well cooled by the refrigerant, ensuring the system operate steadily even in tropical area. Frequency limit of inverter compressor can be relaxed, so that the output capacity of ODU can be higher than conventional products.



Precise Refrigerant Control

Real-time monitoring the discharge and suction pressure of the system. The output of compressors and the EXV open degree can be regulated precisely to optimize the compression ratio. Ensuring the compression ratio always in safety zone.



Module Alternate Operation

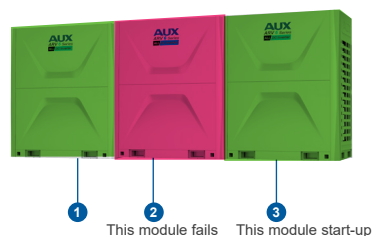
In one combination system, any module could run as the master unit according to the running time. Balance the life of the outdoor units in one system.



Back-Up Operation Technology

Module Emergency

As one module breaks down, module emergency can be set, then the rest modules in same combination can run normally.



Compressor Emergency

As one compressor breaks down, compressor emergency can be set, then another compressor in this unit can run normally.



All-round Protection



Oil Return Control Technology

Dynamic Oil Return Control Technology

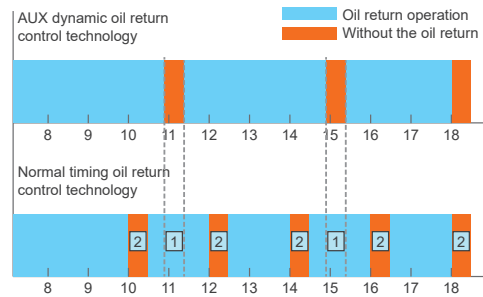
Monitor compressor running state and running time, computing system reasonable oil return time.

6-Step Oil Separating Technology

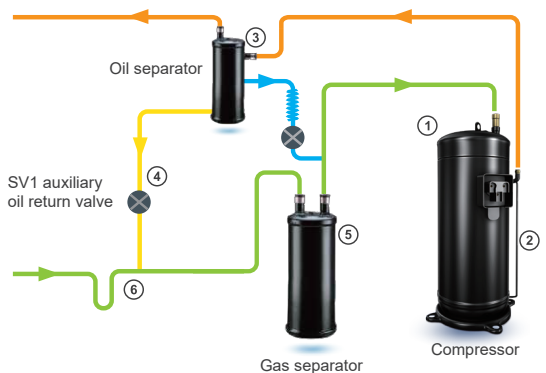
Completely solve the problem of oil, the system more stable and reliable

Compressor Throwing Oil Technology

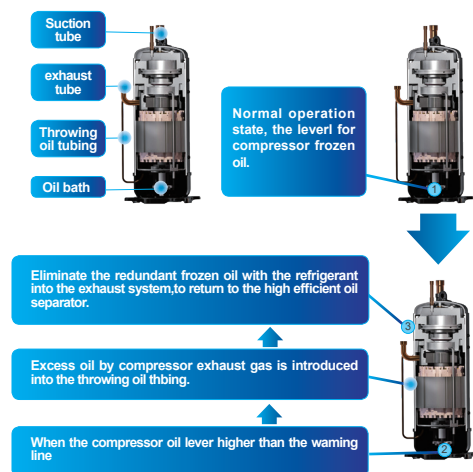
When the compressor oil level higher than the warning line, system through tubing eliminate redundant frozen oil, keep the oil balance between compressor.



- 1 Need oil return but there was no oil return operation, which can't guarantee the system stability and reliability.
- 2 Without oil return operation is to carry on the oil return operation, which cause unnecessary waste.



- ① Compressor with oil mist separation
- ② Oil self balancing control design
- ③ High efficient oil separator
- ④ Emergency oil circuit design
- ⑤ Gas-liquid separator oil return
- ⑥ System with oil return design





ARV 6 Series

Flexible Outdoor Unit Combination									
kW	HP	8HP	10HP	12HP	14HP	16HP	18HP	20HP	22HP
25.2	8	★							
28.0	10		★						
33.5	12			★					
40.0	14				★				
45.0	16					★			
50.4	18						★		
56.0	20							★	
61.5	22								★
67.0	24			★★					
73.0	26		★			★			
78.5	28			★		★			
84.0	30		★					★	
89.5	32		★						★
95.0	34			★					★
101.5	36				★				★
106.5	38					★			★
111.9	40						★		★
117.5	42							★	★
123.0	44								★★
128.5	46			★★					★
134.5	48		★			★			★
140.0	50			★		★			★
145.5	52		★					★	★
151.0	54		★						★★
156.5	56			★					★★
163.0	58				★				★★
168.0	60					★			★★
173.4	62						★		★★
179.0	64							★	★★
184.5	66								★★★
190.0	68			★★					★★
196.0	70		★			★			★★
201.5	72			★		★			★★
207.0	74		★					★	★★
212.5	76		★						★★★
218.0	78			★					★★★
224.5	80				★				★★★
229.5	82					★			★★★
234.9	84						★		★★★
240.5	86							★	★★★
246.0	88								★★★★

*The above combination types are factory-recommended type. The combined type also can be combined at will.

ARV 6 Series 380~415V-50/60Hz

HP			8	10	12	14
Model			ARV-H250/SR1MV	ARV-H280/SR1MV	ARV-H330/SR1MV	ARV-H400/SR1MV
Combination	HP		8	10	12	14
Capacity	Cooling	kW	25.2	28	33.5	40
	Heating	kW	25.2	28	33.5	40
Electric Data	Power supply	V~,Hz,Ph	380~415,3,50/60	380~415, 3, 50/60	380~415, 3, 50/60	380~415, 3, 50/60
	Cooling input	kW	5.31	6.11	8.48	9.90
	EER	W/W	4.75	4.58	3.95	4.04
	Heating input	kW	4.6	5.23	6.38	8.25
	COP	W/W	5.48	5.35	5.25	4.85
	SEER		6.7	6.5	7.2	6.5
	SCOP		4.2	4.0	4.2	4.3
Performance	Air Flow Volume	m ³ /h	12000	12000	12000	14000
	Sound Pressure level	dB(A)	≤58	≤58	≤58	≤61
Compressor	Type		DC inverter	DC inverter	DC inverter	DC inverter
	Quantity		1	1	1	1
Fan motor	Type		DC motor	DC motor	DC motor	DC motor
	Quantity		1	1	1	2
Max. No. of Indoor Units	unit		13	16	20	23
Connection Ratio	%		50~200	50~200	50~200	50~200
Dimension (WxDxH)	Net	mm	990×765×1635	990×765×1635	990×765×1635	1340×765×1635
	Packing	mm	1030×825×1865	1030×825×1865	1030×825×1865	1395×815×1865
Weight	Net	kg	215	215	230	265
	Gross	kg	225	225	240	280
Pipe Diameter	Liquid Side	mm	12.7	12.7	12.7	15.88
	Gas Side	mm	22.2	22.2	22.2	28.6
Operation Range	Cooling	°C	-15~52	-15~52	-15~52	-15~52
	Heating	°C	-25~24	-25~24	-25~24	-25~24
Stuffing Quantity	20/40/40H	unit	14/28/28	14/28/28	14/28/28	11/22/22

ARV 6 Series 380~415V-50/60Hz

HP			16	18	20	22
Model			ARV-H450/SR1MV	ARV-H500/SR1MV	ARV-H560/SR1MV	ARV-H610/SR1MV
Combination	HP		16	18	20	22
Capacity	Cooling	kW	45	50.4	56	61.5
	Heating	kW	45	50.4	56	61.5
Electric Data	Power supply	V~,Hz,Ph	380~415, 3, 50/60	380~415, 3, 50/60	380~415, 3, 50/60	380~415, 3, 50/60
	Cooling input	kW	11.82	12.63	15.34	18.90
	EER	W/W	3.81	3.99	3.65	3.25
	Heating input	kW	9.78	11.69	13.83	15.44
	COP	W/W	4.60	4.31	4.05	3.98
	SEER		6.3	6.0	5.6	5.2
	SCOP		4.2	4.0	3.6	3.5
Performance	Air Flow Volume	m ³ /h	14000	16000	16000	16000
	Sound Pressure level	dB(A)	≤61	≤63	≤63	≤63
Compressor	Type		DC inverter	DC inverter	DC inverter	DC inverter
	Quantity		1	2	2	2
Fan motor	Type		DC motor	DC motor	DC motor	DC motor
	Quantity		2	2	2	2
Max. No. of Indoor Units	unit		26	30	33	36
Connection Ratio	%		50~200	50~200	50~200	50~200
Dimension (WxDxH)	Net	mm	1340×765×1635	1340×765×1635	1340×765×1635	1340×765×1635
	Packing	mm	1395×815×1865	1395×815×1865	1395×815×1865	1395×815×1865
Weight	Net	kg	265	330	330	330
	Gross	kg	280	345	345	345
Pipe Diameter	Liquid Side	mm	15.88	15.88	15.88	15.88
	Gas Side	mm	28.6	28.6	28.6	28.6
Operation Range	Cooling	°C	-15~52	-15~52	-15~52	-15~52
	Heating	°C	-25~24	-25~24	-25~24	-25~24
Stuffing Quantity	20/40/40H	unit	11/22/22	11/22/22	11/22/22	11/22/22

Notes:

- 1.Cooling Capacity: Indoor temperature 27°C DB/19°C WB; Outdoor temperature:35°C DB/ 24°C WB.
- 2.Heating Capacity: Indoor temperature 20°C DB; Outdoor temperature: 7°C DB/ 6°C WB.
- 3.Piping Length: Equivalent piping length: 7.5m, level difference: 0m.
- 4.We can guarantee the operation only within 130% Combination. If you want to connect more than 130% combination, please contact us and discuss the requirement.
- 5.Anechoic chamber conversion value, measured in test room. During actual operation. These values are normally somewhat higher as a result of ambient conditions.
- 6.The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.
- 7.Sound values are measured in a semi-anechoic room, at a position 1m in front of the unit and 1.3m above the floor.
- 8.The above combined types are factory-recommended type. The combined type also can be combined at will.

ARV 6 Series 380~415V-50/60Hz

HP			24	26	28	30
Model			ARV-H670/SR1MV	ARV-H730/SR1MV	ARV-H780/SR1MV	ARV-H840/SR1MV
Combination	HP		12+12	10+16	12+16	10+20
Capacity	Cooling	kW	67	73	78.5	84
	Heating	kW	67	73	78.5	84
Electric Data	Power supply	V~,Hz,Ph	380~415,3,50/60	380~415, 3, 50/60	380~415, 3, 50/60	380~415, 3, 50/60
	Cooling input	kW	16.96	17.93	20.30	21.45
	EER	W/W	3.95	4.07	3.87	3.92
	Heating input	kW	12.76	15.01	16.16	19.06
	COP	W/W	5.25	4.86	4.86	4.41
	SEER		7.2	6.5	7.2	7.2
	SCOP		4.2	4.2	4.2	4.2
Performance	Air Flow Volume	m ³ /h	12000×2	12000+14000	12000+14000	12000+16000
	Sound Pressure level	dB(A)	≤58	≤61	≤61	≤63
Compressor	Type		DC inverter	DC inverter	DC inverter	DC inverter
	Quantity		2	2	2	3
Fan motor	Type		DC motor	DC motor	DC motor	DC motor
	Quantity		2	3	3	3
Max. No. of Indoor Units	unit		40	42	46	49
Connection Ratio	%		50~200	50~200	50~200	50~200
Dimension (WxDxH)	Net	mm	(990×765×1635)×2	990×765×1635+1340×765×1635	990×765×1635+1340×765×1635	990×765×1635+1340×765×1635
	Packing	mm	(1030×825×1865)×2	1030×825×1865+1395×815×1865	1030×825×1865+1395×815×1865	1030×825×1865+1395×815×1865
Weight	Net	kg	230×2	215+265	230+265	215+330
	Gross	kg	240×2	225+280	240+280	225+345
Pipe Diameter	Liquid Side	mm	19.05(3/4)	19.05(3/4)	19.05(3/4)	19.05(3/4)
	Gas Side	mm	34.93(11/8)	34.93(11/8)	34.93(11/8)	34.93(11/8)
Operation Range	Cooling	°C	-15~52	-15~52	-15~52	-15~52
	Heating	°C	-25~24	-25~24	-25~24	-25~24

ARV 6 Series 380~415V-50/60Hz

HP			32	34	36	38
Model			ARV-H890/SR1MV	ARV-H950/SR1MV	ARV-H1010/SR1MV	ARV-H1060/SR1MV
Combination	HP		10+22	12+22	14+22	16+22
Capacity	Cooling	kW	89.5	95	101.5	106.5
	Heating	kW	89.5	95	101.5	106.5
Electric Data	Power supply	V~,Hz,Ph	380~415, 3, 50/60	380~415, 3, 50/60	380~415, 3, 50/60	380~415, 3, 50/60
	Cooling input	kW	25.01	27.38	28.80	30.72
	EER	W/W	3.58	3.47	3.52	3.47
	Heating input	kW	20.67	21.82	23.69	25.22
	COP	W/W	4.33	4.35	4.28	4.22
	SEER		6.5	7.2	6.5	6.3
	SCOP		4.0	4.2	4.3	4.2
Performance	Air Flow Volume	m ³ /h	12000+16000	12000+16000	14000+16000	14000+16000
	Sound Pressure level	dB(A)	≤63	≤63	≤63	≤63
Compressor	Type		DC inverter	DC inverter	DC inverter	DC inverter
	Quantity		3	3	3	3
Fan motor	Type		DC motor	DC motor	DC motor	DC motor
	Quantity		3	3	4	4
Max. No. of Indoor Units	unit		52	56	59	62
Connection Ratio	%		50~200	50~200	50~200	50~200
Dimension (WxDxH)	Net	mm	990×765×1635+1340×765×1635	990×765×1635+1340×765×1635	(1340×765×1635)×2	(1340×765×1635)×2
	Packing	mm	1030×825×1865+1395×815×1865	1030×825×1865+1395×815×1865	(1395×815×1865)×2	(1395×815×1865)×2
Weight	Net	kg	215+330	230+330	265+330	265+330
	Gross	kg	225+345	240+345	280+345	280+345
Pipe Diameter	Liquid Side	mm	19.05(3/4)	19.05(3/4)	19.05(3/4)	19.05(3/4)
	Gas Side	mm	34.93(11/8)	34.93(11/8)	38.1(3/2)	38.1(3/2)
Operation Range	Cooling	°C	-15~52	-15~52	-15~52	-15~52
	Heating	°C	-25~24	-25~24	-25~24	-25~24

Notes:

- 1.Cooling Capacity: Indoor temperature 27°C DB/19°C WB; Outdoor temperature:35°C DB/ 24°C WB.
- 2.Heating Capacity: Indoor temperature 20°C DB; Outdoor temperature: 7°C DB/ 6°C WB.
- 3.Piping Length: Equivalent piping length: 7.5m, level difference: 0m.
- 4.We can guarantee the operation only within 130% Combination. If you want to connect more than 130% combination, please contact us and discuss the requirement.
- 5.Anechoic chamber conversion value, measured in test room. During actual operation. These values are normally somewhat higher as a result of ambient conditions.
- 6.The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.
- 7.Sound values are measured in a semi-anechoic room, at a position 1m in front of the unit and 1.3m above the floor.
- 8.The above combined types are factory-recommended type. The combined type also can be combined at will.

ARV 6 Series 380~415V-50/60Hz

HP			40	42	44	46
Model			ARV-H1120/SR1MV	ARV-H1170/SR1MV	ARV-H1230/SR1MV	ARV-H1280/SR1MV
Combination	HP		18+22	20+22	22+22	12×2+22
Capacity	Cooling	kW	111.9	117.5	123	128.5
	Heating	kW	111.9	117.5	123	128.5
Electric Data	Power supply	V~,Hz,Ph	380~415,3,50/60	380~415, 3, 50/60	380~415, 3, 50/60	380~415, 3, 50/60
	Cooling input	kW	31.53	34.24	37.80	35.86
	EER	W/W	3.55	3.43	3.25	3.58
	Heating input	kW	27.13	29.27	30.88	28.20
	COP	W/W	4.12	4.01	3.98	4.56
	SEER		6.0	5.6	5.2	7.2
	SCOP		4.0	3.6	3.5	4.2
Performance	Air Flow Volume	m³/h	16000×2	16000×2	16000×2	12000×2+16000
	Sound Pressure level	dB(A)	≤63	≤63	≤63	≤63
Compressor	Type		DC inverter	DC inverter	DC inverter	DC inverter
	Quantity		4	4	4	4
Fan motor	Type		DC motor	DC motor	DC motor	DC motor
	Quantity		4	4	4	4
Max. No. of Indoor Units		unit	64	64	64	64
Connection Ratio		%	50~200	50~200	50~200	50~200
Dimension (WxDxH)	Net	mm	(1340×765×1635)×2	(1340×765×1635)×2	(1340×765×1635)×2	(990×765×1635)×2+1340×765×1635
	Packing	mm	(1395×815×1865)×2	(1395×815×1865)×2	(1395×815×1865)×2	(1050×815×1805)×2+1395×815×1865
Weight	Net	kg	330×2	330×2	330×2	230×2+330
	Gross	kg	345×2	345×2	345×2	240×2+345
Pipe Diameter	Liquid Side	mm	19.05(3/4)	19.05(3/4)	19.05(3/4)	19.05(3/4)
	Gas Side	mm	38.1(3/2)	38.1(3/2)	38.1(3/2)	38.1(3/2)
Operation Range	Cooling	°C	-15~52	-15~52	-15~52	-15~52
	Heating	°C	-25~24	-25~24	-25~24	-25~24

ARV 6 Series 380~415V-50/60Hz

HP			48	50	52	54
Model			ARV-H1340/SR1MV	ARV-H1400/SR1MV	ARV-H1450/SR1MV	ARV-H1510/SR1MV
Combination	HP		10+16+22	12+16+22	10+20+22	10+22×2
Capacity	Cooling	kW	134.5	140	145.5	151
	Heating	kW	134.5	140	145.5	151
Electric Data	Power supply	V~,Hz,Ph	380~415, 3, 50/60	380~415, 3, 50/60	380~415, 3, 50/60	380~415, 3, 50/60
	Cooling input	kW	36.83	39.20	40.35	43.91
	EER	W/W	3.65	3.57	3.61	3.44
	Heating input	kW	30.45	31.60	34.50	36.11
	COP	W/W	4.42	4.43	4.22	4.18
	SEER		6.5	7.2	6.5	6.5
	SCOP		4.2	4.2	4.0	4.0
Performance	Air Flow Volume	m³/h	12000+14000+16000	12000+14000+16000	12000+16000×2	12000+16000×2
	Sound Pressure level	dB(A)	≤63	≤63	≤63	≤63
Compressor	Type		DC inverter	DC inverter	DC inverter	DC inverter
	Quantity		4	4	5	5
Fan motor	Type		DC motor	DC motor	DC motor	DC motor
	Quantity		5	5	5	5
Max. No. of Indoor Units		unit	64	64	64	64
Connection Ratio		%	50~200	50~200	50~200	50~200
Dimension (WxDxH)	Net	mm	990×765×1635+(1340×765×1635)×2	990×765×1635+(1340×765×1635)×2	990×765×1635+(1340×765×1635)×2	990×765×1635+(1340×765×1635)×2
	Packing	mm	1050×815×1805+(1395×815×1865)×2	1050×815×1805+(1395×815×1865)×2	1050×815×1805+(1395×815×1865)×2	1050×815×1805+(1395×815×1865)×2
Weight	Net	kg	215+265+330	230+265+330	215+330×2	215+330×2
	Gross	kg	225+280+345	240+280+345	225+345×2	225+345×2
Pipe Diameter	Liquid Side	mm	19.05(3/4)	19.05(3/4)	19.05(3/4)	19.05(3/4)
	Gas Side	mm	38.1(3/2)	41.3(13/8)	41.3(13/8)	41.3(13/8)
Operation Range	Cooling	°C	-15~52	-15~52	-15~52	-15~52
	Heating	°C	-25~24	-25~24	-25~24	-25~24

Notes:

- 1.Cooling Capacity: Indoor temperature 27°C DB/19°C WB; Outdoor temperature:35°C DB/ 24°C WB.
- 2.Heating Capacity: Indoor temperature 20°C DB; Outdoor temperature: 7°C DB/ 6°C WB.
- 3.Piping Length: Equivalent piping length: 7.5m, level difference: 0m.
- 4.We can guarantee the operation only within 130% Combination. If you want to connect more than 130% combination, please contact us and discuss the requirement.
- 5.Anechoic chamber conversion value, measured in test room. During actual operation. These values are normally somewhat higher as a result of ambient conditions.
- 6.The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.
- 7.Sound values are measured in a semi-anechoic room, at a position 1m in front of the unit and 1.3m above the floor.
- 8.The above combined types are factory-recommended type. The combined type also can be combined at will.

ARV 6 Series 380~415V-50/60Hz

HP			56	58	60	62
Model			ARV-H1560/SR1MV	ARV-H1630/SR1MV	ARV-H1680/SR1MV	ARV-H1730/SR1MV
Combination	HP		12+22×2	14+22×2	16+22×2	18+22×2
Capacity	Cooling	kW	156.5	163	168	173.4
	Heating	kW	156.5	163	168	173.4
Electric Data	Power supply	V~,Hz,Ph	380~415,3,50/60	380~415, 3, 50/60	380~415, 3, 50/60	380~415, 3, 50/60
	Cooling input	kW	46.28	47.70	49.62	50.43
	EER	W/W	3.38	3.42	3.39	3.44
	Heating input	kW	37.26	39.13	40.66	42.57
	COP	W/W	4.20	4.17	4.13	4.07
	SEER		7.2	6.5	6.3	6.0
	SCOP		4.2	4.3	4.2	4.0
Performance	Air Flow Volume	m³/h	12000+16000×2	14000+16000×2	14000+16000×2	16000×3
	Sound Pressure level	dB(A)	≤63	≤63	≤63	≤63
Compressor	Type		DC inverter	DC inverter	DC inverter	DC inverter
	Quantity		5	5	5	6
Fan motor	Type		DC motor	DC motor	DC motor	DC motor
	Quantity		5	6	6	6
Max. No. of Indoor Units		unit	64	64	64	64
Connection Ratio		%	50~200	50~200	50~200	50~200
Dimension (WxDxH)	Net	mm	990×765×1635+(1340×765×1635)×2	(1340×765×1635)×3	(1340×765×1635)×3	(1340×765×1635)×3
	Packing	mm	1050×815×1805+(1395×815×1865)×2	(1395×815×1865)×3	(1395×815×1865)×3	(1395×815×1865)×3
Weight	Net	kg	230+330×2	265+330×2	265+330×2	330×3
	Gross	kg	240+345×2	280+345×2	280+345×2	345×3
Pipe Diameter	Liquid Side	mm	19.05(3/4)	19.05(3/4)	19.05(3/4)	19.05(3/4)
	Gas Side	mm	41.3(13/8)	41.3(13/8)	41.3(13/8)	41.3(13/8)
Operation Range	Cooling	°C	-15~52	-15~52	-15~52	-15~52
	Heating	°C	-25~24	-25~24	-25~24	-25~24

ARV 6 Series 380~415V-50/60Hz

HP			64	66	68	70
Model			ARV-H1790/SR1MV	ARV-H1840/SR1MV	ARV-H1900/SR1MV	ARV-H1960/SR1MV
Combination	HP		20+22×2	22×3	12×2+22×2	10+16+22×2
Capacity	Cooling	kW	179	184.5	190	196
	Heating	kW	179	184.5	190	196
Electric Data	Power supply	V~,Hz,Ph	380~415, 3, 50/60	380~415, 3, 50/60	380~415, 3, 50/60	380~415, 3, 50/60
	Cooling input	kW	53.14	56.70	54.76	55.73
	EER	W/W	3.37	3.25	3.47	3.52
	Heating input	kW	44.71	46.32	43.64	45.89
	COP	W/W	4.00	3.98	4.35	4.27
	SEER		5.6	5.2	7.2	6.5
	SCOP		3.6	3.5	4.2	4.2
Performance	Air Flow Volume	m³/h	16000×3	16000×3	12000×2+16000×2	12000+14000+16000×2
	Sound Pressure level	dB(A)	≤63	≤63	≤63	≤63
Compressor	Type		DC inverter	DC inverter	DC inverter	DC inverter
	Quantity		6	6	6	6
Fan motor	Type		DC motor	DC motor	DC motor	DC motor
	Quantity		6	6	6	7
Max. No. of Indoor Units		unit	64	64	64	64
Connection Ratio		%	50~200	50~200	50~200	50~200
Dimension (WxDxH)	Net	mm	(1340×765×1635)×3	(1340×765×1635)×3	(990×765×1635)×2+(1340×765×1635)×2	990×765×1635+(1340×765×1635)×3
	Packing	mm	(1395×815×1865)×3	(1395×815×1865)×3	(1050×815×1805)×2+(1395×815×1865)×2	1050×815×1805+(1395×815×1865)×3
Weight	Net	kg	330×3	330×3	230×2+330×2	215+265+330×2
	Gross	kg	345×3	345×3	240×2+345×2	225+280+345×2
Pipe Diameter	Liquid Side	mm	19.05(3/4)	19.05(3/4)	22.2(7/8)	22.2(7/8)
	Gas Side	mm	41.3(13/8)	41.3(13/8)	44.5(7/4)	44.5(7/4)
Operation Range	Cooling	°C	-15~52	-15~52	-15~52	-15~52
	Heating	°C	-25~24	-25~24	-25~24	-25~24

Notes:

- 1.Cooling Capacity: Indoor temperature 27°C DB/19°C WB; Outdoor temperature:35°C DB/ 24°C WB.
- 2.Heating Capacity: Indoor temperature 20°C DB; Outdoor temperature: 7°C DB/ 6°C WB.
- 3.Piping Length: Equivalent piping length: 7.5m, level difference: 0m.
- 4.We can guarantee the operation only within 130% Combination. If you want to connect more than 130% combination, please contact us and discuss the requirement.
- 5.Anechoic chamber conversion value, measured in test room. During actual operation. These values are normally somewhat higher as a result of ambient conditions.
- 6.The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.
- 7.Sound values are measured in a semi-anechoic room, at a position 1m in front of the unit and 1.3m above the floor.
- 8.The above combined types are factory-recommended type. The combined type also can be combined at will.

ARV 6 Series 380~415V-50/60Hz

HP			72	74	76	78
Model			ARV-H2010/SR1MV	ARV-H2070/SR1MV	ARV-H2120/SR1MV	ARV-H2180/SR1MV
Combination	HP		12+16+22×2	10+20+22×2	10+22×3	12+22×3
Capacity	Cooling	kW	201.5	207	212.5	218
	Heating	kW	201.5	207	212.5	218
Electric Data	Power supply	V~,Hz,Ph	380~415, 3, 50/60	380~415, 3, 50/60	380~415, 3, 50/60	380~415, 3, 50/60
	Cooling input	kW	58.10	59.25	62.81	65.18
	EER	W/W	3.47	3.49	3.38	3.34
	Heating input	kW	47.04	49.94	51.55	52.70
	COP	W/W	4.28	4.14	4.12	4.14
	SEER		7.2	6.5	6.5	7.2
	SCOP		4.2	4.0	4.0	4.2
Performance	Air Flow Volume	m ³ /h	12000+14000+16000×2	12000+16000×3	12000+16000×3	12000+16000×3
	Sound Pressure level	dB(A)	≤63	≤63	≤63	≤63
Compressor	Type		DC inverter	DC inverter	DC inverter	DC inverter
	Quantity		6	7	7	7
Fan motor	Type		DC motor	DC motor	DC motor	DC motor
	Quantity		7	7	7	7
Max. No. of Indoor Units		unit	64	64	64	64
Connection Ratio		%	50~200	50~200	50~200	50~200
Dimension (WxDxH)	Net	mm	990×765×1635+(1340×765×1635)×3	990×765×1635+(1340×765×1635)×3	990×765×1635+(1340×765×1635)×3	990×765×1635+(1340×765×1635)×3
	Packing	mm	1050×815×1805+(1395×815×1865)×3	1050×815×1805+(1395×815×1865)×3	1050×815×1805+(1395×815×1865)×3	1050×815×1805+(1395×815×1865)×3
Weight	Net	kg	230+265+330×2	215+330×3	215+330×3	230+330×3
	Gross	kg	240+280+345×2	225+345×3	225+345×3	240+345×3
Pipe Diameter	Liquid Side	mm	22.2(7/8)	22.2(7/8)	22.2(7/8)	22.2(7/8)
	Gas Side	mm	44.5(7/4)	44.5(7/4)	44.5(7/4)	44.5(7/4)
Operation Range	Cooling	°C	-15~52	-15~52	-15~52	-15~52
	Heating	°C	-25~24	-25~24	-25~24	-25~24

ARV 6 Series 380~415V-50/60Hz

HP			80	82	84	86	88
Model			ARV-H2240/SR1MV	ARV-H2290/SR1MV	ARV-H2350/SR1MV	ARV-H2400/SR1MV	ARV-H2460/SR1MV
Combination	HP		14+22×3	16+22×3	18+22×3	20+22×3	22×4
Capacity	Cooling	kW	224.5	229.5	234.9	240.5	246
	Heating	kW	224.5	229.5	234.9	240.5	246
Electric Data	Power supply	V~,Hz,Ph	380~415, 3, 50/60	380~415, 3, 50/60	380~415, 3, 50/60	380~415, 3, 50/60	380~415, 3, 50/60
	Cooling input	kW	66.60	68.52	69.33	72.04	75.60
	EER	W/W	3.37	3.35	3.39	3.34	3.25
	Heating input	kW	54.57	56.10	58.01	60.15	61.76
	COP	W/W	4.11	4.09	4.05	4.00	3.98
	SEER		6.5	6.3	6.0	5.6	5.2
	SCOP		4.3	4.2	4.0	3.6	3.5
Performance	Air Flow Volume	m ³ /h	14000+16000×3	14000+16000×3	16000×4	16000×4	16000×4
	Sound Pressure level	dB(A)	≤63	≤63	≤63	≤63	≤63
Compressor	Type		DC inverter	DC inverter	DC inverter	DC inverter	DC inverter
	Quantity		7	7	8	8	8
Fan motor	Type		DC motor	DC motor	DC motor	DC motor	DC motor
	Quantity		8	8	8	8	8
Max. No. of Indoor Units		unit	64	64	64	64	64
Connection Ratio		%	50~200	50~200	50~200	50~200	50~200
Dimension (WxDxH)	Net	mm	(1340×765×1635)×4	(1340×765×1635)×4	(1340×765×1635)×4	(1340×765×1635)×4	(1340×765×1635)×4
	Packing	mm	(1395×815×1865)×4	(1395×815×1865)×4	(1395×815×1865)×4	(1395×815×1865)×4	(1395×815×1865)×4
Weight	Net	kg	265+330×3	265+330×3	330×4	330×4	330×4
	Gross	kg	280+345×3	280+345×3	345×4	345×4	345×4
Pipe Diameter	Liquid Side	mm	22.2(7/8)	22.2(7/8)	22.2(7/8)	22.2(7/8)	22.2(7/8)
	Gas Side	mm	44.5(7/4)	44.5(7/4)	44.5(7/4)	44.5(7/4)	44.5(7/4)
Operation Range	Cooling	°C	-15~52	-15~52	-15~52	-15~52	-15~52
	Heating	°C	-25~24	-25~24	-25~24	-25~24	-25~24

Notes:

- 1.Cooling Capacity: Indoor temperature 27°C DB/19°C WB; Outdoor temperature:35°C DB/ 24°C WB.
- 2.Heating Capacity: Indoor temperature 20°C DB; Outdoor temperature: 7°C DB/ 6°C WB.
- 3.Piping Length: Equivalent piping length: 7.5m, level difference: 0m.
- 4.We can guarantee the operation only within 130% Combination. If you want to connect more than 130% combination, please contact us and discuss the requirement.
- 5.Anechoic chamber conversion value, measured in test room. During actual operation. These values are normally somewhat higher as a result of ambient conditions.
- 6.The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.
- 7.Sound values are measured in a semi-anechoic room, at a position 1m in front of the unit and 1.3m above the floor.
- 8.The above combined types are factory-recommended type. The combined type also can be combined at will.

ARV Individual Series



ARV Individual Series

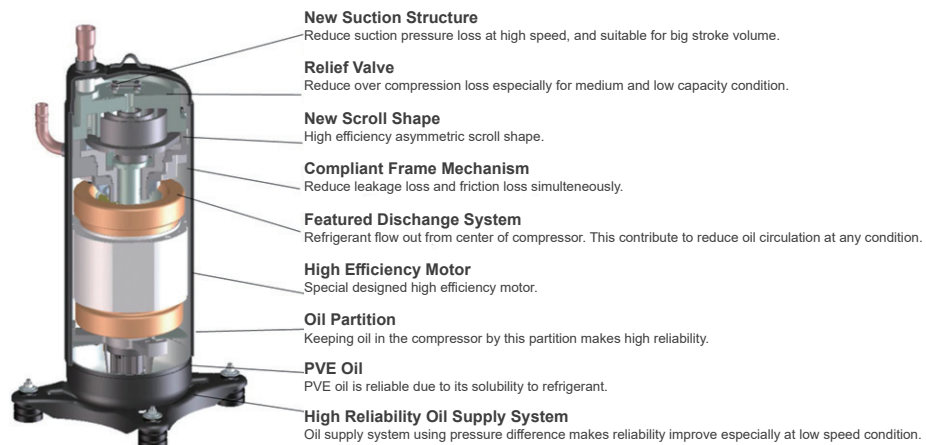


High Efficiency

Dual DC inverter compressor for each model.

Large heat exchanger with high performance. Ensuring the compression ratio always in safety zone.

High precision and stepless regulation of the output capacity.



Long Piping Length

Max. Total piping length — 1000m

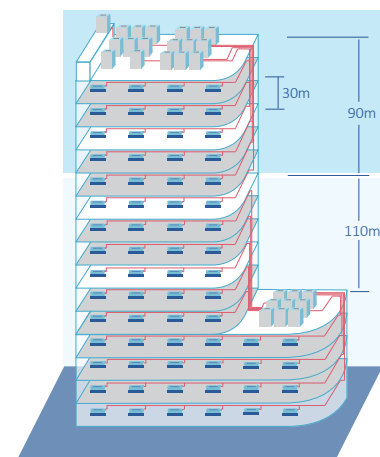
Max. Actual piping length — 190m

Max. piping length from 1st indoor branch to the farthest indoor unit — 40m/90m*

Max. Level difference between indoor units — 30m

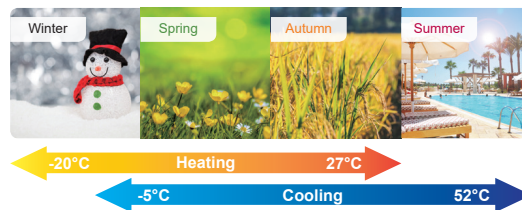
Max. Level difference between ODU and IDU units — 90/110m

*The longest length after first branch is 40m as standard can be extended to up to 90m under certain conditions. Please contact your local dealer for further information.



Wide Operation Range

No matter the ambient temperature is as high as 52°C in hot summer or -20°C in cold winter, the system can operate perfectly and supply comfortable environment for users.

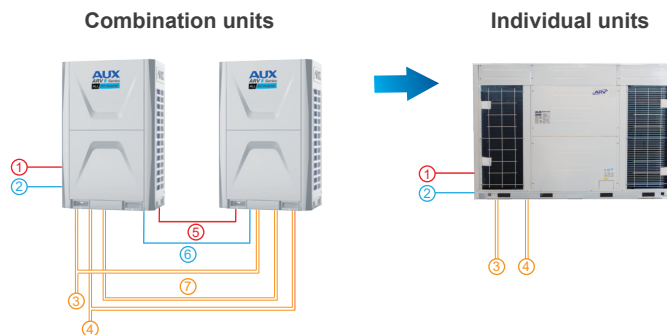


Easy Installation

Easy installation and less material consumption (compare with combination units).

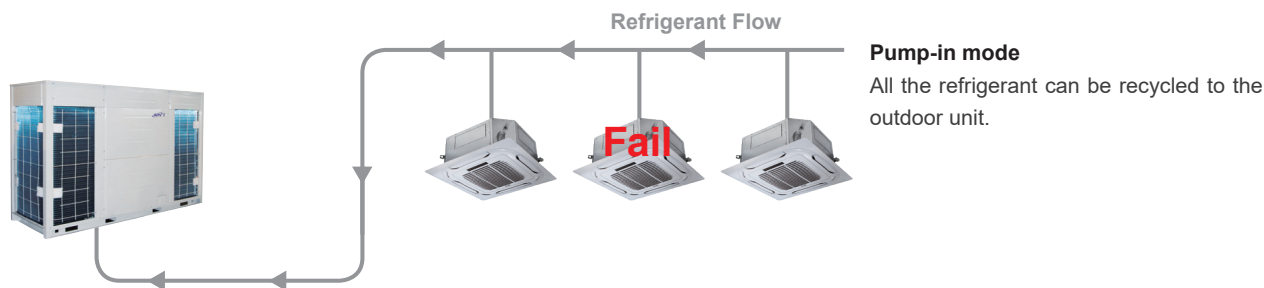
- ① Power & grounding wire
- ② Communication wire
- ③ Main gas pipe
- ④ Main liquid pipe
- ⑤ Power & grounding wire
- ⑥ Communication wire
- ⑦ Oil balance pipe

Compact structure and less occupied space.



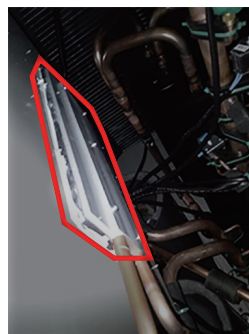
Easy Maintenance

Auto refrigerant recycling (Optional function), easy operation, refrigerant-saving and environment-friendly.



Refrigerant PCB Cooling Technology

The PCB is well cooled by the refrigerant, ensuring the system operate steadily.



ARV Individual Series



ARV Individual Series 380~415V-50Hz

HP			22	24	26	28	30	32
Model	Outdoor	50Hz	ARV-H620/5R1I	ARV-H670/5R1I	ARV-H730/5R1I	ARV-H785/5R1I	ARV-H850/5R1I	ARV-H900/5R1I
Capacity	Cooling	kW	61.5	67	73	78.5	85	90
	Heating	kW	69	75	81.5	87.5	95	100
Electric Data	Power supply	V~,Hz,Ph	380 ~415, 3, 50	380 ~415, 3, 50	380 ~415, 3, 50	380 ~415, 3, 50	380 ~415, 3, 50	380 ~415, 3, 50
	Cooling input	kW	18.67	20.1	21.9	23.7	25.8	27.5
	EER	W/W	3.29	3.33	3.33	3.31	3.29	3.27
	Heating input	kW	17.75	19.3	20.2	22	24.4	26.3
	COP	W/W	3.89	3.89	4.03	3.98	3.89	3.80
Performance	Air Flow Volume	m ³ /h	21000	21000	28000	28000	30000	30000
	Sound Pressure level	dB(A)	≤63	≤63	≤65	≤65	≤65	≤65
Compressor	Type		DC inverter	DC inverter	DC inverter	DC inverter	DC inverter	DC inverter
	Quantity		2	2	2	2	2	2
Fan Motor	Type		AC motor	AC motor	AC motor	AC motor	AC motor	AC motor
	Quantity		2	2	2	2	2	2
Max. No. of Indoor Units		unit	36	39	43	46	50	53
Connection Ratio			50~130%	50~130%	50~130%	50~130%	50~130%	50~130%
Dimension (WxDxH)	Net	mm	1590×765×1600	1590×765×1600	2350×765×1600	2350×765×1600	2350×765×1600	2350×765×1600
	Packing	mm	1650×815×1770	1650×815×1770	2410×815×1770	2410×815×1770	2410×815×1770	2410×815×1770
Weight	Net	kg	400	400	500	500	500	500
	Gross	kg	420	420	515	515	515	515
Refrigerant Type			R410a	R410a	R410a	R410a	R410a	R410a
Pipe Diameter	Liquid Side	mm	15.88	15.88	19.05	19.05	19.05	19.05
	Gas Side	mm	28.6	28.6	34.9	34.9	34.9	34.9
Operation Range	Cooling	°C	-5~52	-5~52	-5~52	-5~52	-5~52	-5~52
	Heating	°C	-20~27	-20~27	-20~27	-20~27	-20~27	-20~27
Stuffing Quantity	20/40/40H	unit	7/14/14	7/14/14	4/8/8	4/8/8	4/8/8	4/8/8

Notes:

1.Cooling Capacity: Indoor temperature 27°C DB/19°C WB; Outdoor temperature: 35°C DB/ 24°C WB.

2.Heating Capacity:Indoor temperature 20°C DB; Outdoor temperature:7°C DB/ 6°C WB.

3.Piping Length:Equivalent piping length: 7.5m, level difference: 0m.

4.Anechoic chamber conversion value, measured in test room. During actual operation.These values are normally somewhat higher as a result of ambient conditions.

5.The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.

6.Sound values are measured in a semi-anechoic room, at a position 1m in front of the unit and 1.3m above the floor.

ARV Mini Series -All DC Inverter



ARV Mini Series



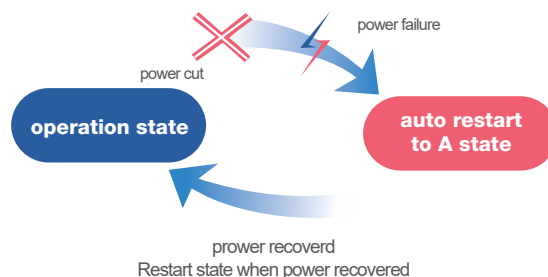
DC Inverter Compressor

Made of rare earth permanent magnetic material, the rotor could change the motor's round speed by changing the DC voltage motor, thus overcome the electromagnetic noise and rotor loss of AC inverter compressor, then achieves high efficiency as well as low noise.

Auto Restart Function

The AC can automatically memorize the operation setting when power is cut off accidentally. It can return to previous setting when power resumes.

Recover the former operation state when power is restored, no need restart the unit manually.

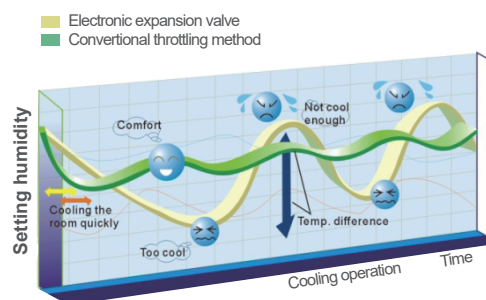


Fast Cooling/Heating Technology

The DC Inverter Compressor system reaches full load rapidly providing less temperature fluctuation and an improved living environment, bringing great user experience.

Accurate Temperature Control

According to change trend of indoor ambient temperature, the unit can use PI algorithm to calculate capacity demand percentage of indoor unit, control operating frequency of compressor in real time and achieve accurate control room temperature.

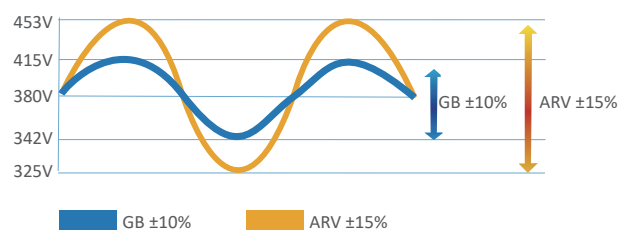


Flexible And Diversified Matching Of Indoor And Outdoor Unit

AUX offers a variety indoor units, more than 100 models of 7 types. Capacity ranges are from 2.2Kw to 14Kw. It is full compliance with residential and light commercial place. Our systems can operate up to 130% of capacity which allows any system to be designed to the customers and applications needs.

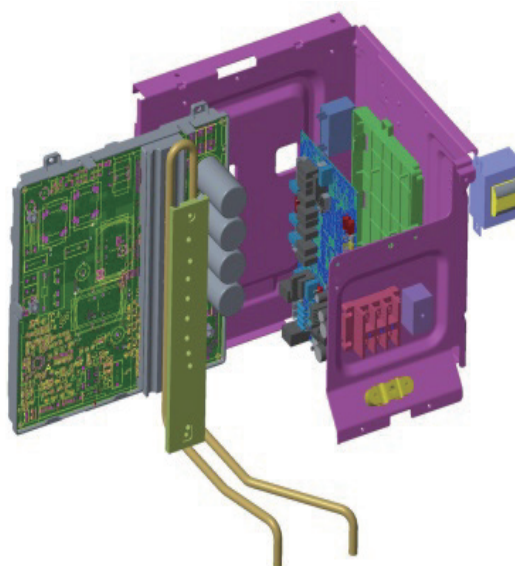
Wide Voltage Design

In country with unstable voltage, ARV can also run stably.



Refrigerant PCB Cooling Technology

The PCB is well cooled by the refrigerant, ensuring the system operate steadily .





ARV Mini Series

ARV MINI 50/60Hz Single-Phase

Model	Outdoor		ARV-H080/NR1	ARV-H100/NR1	ARV-H120/NR1	ARV-H140/NR1	ARV-H160/NR1
Capacity	Cooling	kW	8.00	10.00	12.30	14.00	16.00
	Heating	kW	9.00	11.50	13.20	16.00	18.00
Electric Data	Power Supply	V~,Hz,Ph	220~240,50/60,1	220~240,50/60,1	220~240,50/60,1	220~240,50/60,1	220~240,50/60,1
	Cooling Power Input	kW	2.30	3.00	3.25	3.95	4.80
	Heating Power Input	kW	2.40	3.20	3.41	4.05	4.80
	Cooling Current	A	10.10	13.20	14.30	17.30	21.10
	Heating Current	A	10.50	14.00	15.00	17.80	21.10
	EER		3.48	3.33	3.78	3.54	3.33
	COP		3.75	3.59	3.87	3.95	3.75
	SEER		6.20	6.10	6.10	6.10	6.10
	SCOP		4.20	4.10	4.10	4.00	4.00
Performance	Air Flow Volume	m ³ /h	4154	4154	7200	7200	7200
	Noise Level	dB(A)	56	56	57	57	57
Piping Limite	Level difference between IDU and ODU	m	50	50	50	50	50
	Level difference between IDU and IDU	m	10	10	15	15	15
	Between the first brance and the Farthest IDU	m	40	40	40	40	40
	Total Pipe length	m	100	100	150	150	150
Max. No. of Indoor Units		unit	4	5	7	8	9
Connection Ratio		%	50~130	50~130	50~130	50~130	50~130
Dimension (WxDxH)	Net	mm	970×370×803	970×370×803	970×340×1320	970×340×1320	970×340×1320
	Packing	mm	1105×495×890	1105×495×890	1080×430×1440	1080×430×1440	1080×430×1440
Weight	Net	kg	66	66	86	86	93
	Gross	kg	71	71	91	91	98
Refrigerant Type			R410a	R410a	R410a	R410a	R410a
Pipe Diameter	Liquid Side	mm(inch)	9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52(3/8)
	Gas Side	mm(inch)	15.88(5/8)	15.88(5/8)	15.88(5/8)	15.88(5/8)	19.05(3/4)
Operation Range	Cooling	°C	-15~49	-15~49	-15~49	-15~49	-15~49
	Heating	°C	-15~27	-15~27	-15~27	-15~27	-15~27
Stuffing Quantity	20/40/40H	unit	44/96/144	44/96/144	27/55/55	27/55/55	27/55/55

ARV MINI 50/60Hz Three-Phase

Model	Outdoor		ARV-H140/SR1DCS7	ARV-H160/SR1DCS7	ARV-H220/SR1DCS7	ARV-H260/SR1DCS7
Capacity	Cooling	kW	14.00	16.00	22.40	26.00
	Heating	kW	16.00	18.00	24.50	28.50
Electric Data	Power Supply	V~,Hz,Ph	380~415,50/60,3	380~415,50/60,3	380~415,50/60,3	380~415,50/60,3
	Cooling Power Input	kW	4.11	4.70	6.80	7.60
	Heating Power Input	kW	4.10	4.61	5.90	6.80
	Cooling Current	A	6.15	6.96	11.10	12.40
	Heating Current	A	6.10	6.76	9.60	11.10
	EER		3.41	3.40	3.29	3.42
	COP		3.90	3.90	4.15	4.19
	SEER		6.10	6.10	6.10	6.10
	SCOP		4.00	4.00	4.00	4.00
Performance	Air Flow Volume	m ³ /h	7200	7200	10500	10500
	Noise Level	dB(A)	57	57	60	60
Piping Limite	Level difference between IDU and ODU	m	50	50	50	50
	Level difference between IDU and IDU	m	8	8	10	10
	Between the first brance and the Farthest IDU	m	40	40	40	40
	Total Pipe length	m	150	150	250	250
Max. No. of Indoor Units		unit	8	9	13	15
Connection Ratio		%	50~130	50~130	50~130	50~130
Dimension (WxDxH)	Net	mm	940×370×1325	940×370×1325	1120×400×1510	1120×400×1510
	Packing	mm	1080×430×1440	1080×430×1440	1270×560×1710	1270×560×1710
Weight	Net	kg	103	103	165	165
	Gross	kg	113	113	185	185
Refrigerant Type			R410A	R410A	R410A	R410A
Pipe Diameter	Liquid Side	mm(inch)	9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52(3/8)
	Gas Side	mm(inch)	19.05(3/4)	19.05(3/4)	22.2(7/8)	22.2(7/8)
Operation Range	Cooling	°C	-15~49	-15~49	-15~49	-15~49
	Heating	°C	-15~27	-15~27	-15~27	-15~27
Stuffing Quantity	20/40/40H	unit	27/55/55	27/55/55	17/37/37	17/37/37

Notes:

- 1.Cooling Capacity: Indoor temperature 27°C DB/ 19°C WB; Outdoor temperature:35°C DB/ 24°C WB.
- 2.Cooling Capacity (Tropical): Indoor temperature 27°C DB/19°C WB;Outdoor temperature:46.1°C DB.
- 3.Heating Capacity: Indoor temperature 20°C DB; Outdoor temperature: 7°C DB/ 6°C WB.
- 4.Piping Length: Equivalent piping length: 7.5m, level difference: 0m.
- 5.Anechoic chamber conversion value, measured in test room. During actual operation. These values are normally somewhat higher as a result of ambient c onditions.
- 6.The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.



ARV Mini Series

ARV Mini Series 50Hz

Model	Outdoor		ARV-H220/5R1A	ARV-H280/5R1A
Capacity	Cooling	kW	22.40	26.00
	Heating	kW	24.50	28.50
Electric Data	Power Supply	V~,Hz,Ph	380~415,50,3	380~415,50,3
	Cooling Power Input	kW	7.20	8.40
	Heating Power Input	kW	6.70	7.90
	Cooling Current	A	11.60	13.50
	Heating Current	A	11.00	13.00
	EER		3.11	3.10
	COP		3.66	3.61
Performance	Air Flow Volume	m ³ /h	9000	9000
	Noise Level	dB(A)	60	60
Piping Limit	Vertical Pipe Length	m	≤30	≤30
	Actual Pipe Length	m	45	45
	Equivalent Pipe Length	m	50	50
	Total Pipe length	m	100	100
Max. No. of Indoor Units		unit	11	12
Connection Ratio		%	50~130	50~130
Dimension (WxDxH)	Net	mm	1120×400×1510	1120×400×1510
	Packing	mm	1270×560×1710	1270×560×1710
Weight	Net	kg	150	150
	Gross	kg	170	170
Refrigerant Type			R410a	R410a
Pipe Diameter	Liquid Side	mm(inch)	9.52(3/8)	9.52(3/8)
	Gas Side	mm(inch)	22.22(7/8)	22.22(7/8)
Operation Range	Cooling	°C	-10~52	-10~52
	Heating	°C	-15~24	-15~24
Stuffing Quantity		unit	17/37/37	17/37/37

Notes:

1.Cooling Capacity: Indoor temperature 27°C DB/ 19°C WB; Outdoor temperature:35°C DB/ 24°C WB.

2.Cooling Capacity (Tropical): Indoor temperature 27°C DB/19°C WB;Outdoor temperature:46.1°C DB.

3.Heating Capacity: Indoor temperature 20°C DB; Outdoor temperature: 7°C DB/ 6°C WB.

4.Piping Length: Equivalent piping length: 7.5m, level difference: 0m.

5.Anechoic chamber conversion value, measured in test room. During actual operation. These values are normally somewhat higher as a result of ambient conditions.

6.The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.

Indoor Units

One-way Cassette	37	
Two-way Cassette	38	
Four-way Cassette	40	
Four-way Cassette	41	
Slim Duct	43	
Mid ESP Duct	45	
High ESP Duct	47	
Fresh Air Processing Unit	48	
Ceiling&Floor	50	
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One-Way Cassette



Fast Cooling/Heating



Built-in Drain Pump



Remote Control



Auto Restart Function



WIFI Control



Room Card

Specification AC 50Hz

Model	Indoor		ARVC1-H028/4R1A	ARVC1-H036/4R1A	ARVC1-H045/4R1A	ARVC1-H056/4R1A	ARVC1-H071/4R1A
Capacity	Cooling	kW	2.8	3.6	4.5	5.6	7.1
	Heating	kW	3.2	4	5	6.3	8
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1
	Rated Power	W	40	40	45	50	50
Performance	Air Flow Volume(Hi/Mid/Low)	m ³ /h	600/480/360	600/480/360	720/570/450	1000/850/750	1000/850/750
	Noise Level(Hi/Mid/Low)	dB(A)	39/35/31	39/35/31	42/39/35	47/43/40	47/43/40
Dimension (WxDxH)	Net(Body)	mm	870×460×250	870×460×250	870×460×250	1180×495×290	1180×495×290
	Packing(Body)	mm	1130×570×355	1130×570×355	1130×570×355	1440×660×385	1440×660×385
	Net(Panel)	mm	1070×520×33	1070×520×33	1070×520×33	1380×550×33	1380×550×33
	Packing(Panel)	mm	1085×555×175	1085×555×175	1085×555×175	1400×585×175	1400×585×175
Weight	Net/Gross(Body)	kg	27/30	27/30	30/34	39/44	39/44
	Net/Gross(Panel)	kg	3/5	3/5	3/5	5/7	5/7
Refrigerant Type			R410a	R410a	R410a	R410a	R410a
Pipe Diameter	Liquid Side	mm(inch)	6.35(1/4)	6.35(1/4)	6.35(1/4)	9.52(3/8)	9.52(3/8)
	Gas Side	mm(inch)	12.7(1/2)	12.7(1/2)	12.7(1/2)	15.88(5/8)	15.88(5/8)
	Drainage	mm(inch)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)
Stuffing Quantity	20/40/40H	unit	120/252/294	120/252/294	120/252/294	72/156/156	72/156/156

Notes:

1.Cooling Capacity: Indoor temperature 27°C DB/19°C WB;Outdoor temperature:35°C DB/24°C WB.

2.Heating Capacity:Indoor temperature 20°C DB;Outdoor temperature:7°C DB/6°C WB.

3.Piping Length:Equivalent piping length: 7.5m,I evel difference: 0m.

4.Sound level is measured at 1.4m below the unit.

5.The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.

Two-Way Cassette



Fast Cooling/Heating



Built-in Drain Pump



Remote Control



Auto Restart Function



WIFI Control



Room Card

Specification AC 50Hz

Model	Indoor		ARVC2-H028/4R1A	ARVC2-H036/4R1A	ARVC2-H045/4R1A	ARVC2-H056/4R1A	ARVC2-H071/4R1A
Capacity	Cooling	kW	2.8	3.6	4.5	5.6	7.1
	Heating	kW	3.2	4	5	6.3	8
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1
	Rated Power	W	62	62	85	85	94
Performance	Air Flow Volume(Hi/Mid/Low)	m ³ /h	616/523/462	616/523/462	900/765/657	900/765/657	1165/990/873
	Noise Level(Hi/Mid/Low)	dB(A)	39/36/32	39/36/32	45/41/39	45/41/39	47/43/40
Dimension (WxDxH)	Net(Body)	mm	960×520×315	960×520×315	960×520×315	960×520×315	1200×520×315
	Packing(Body)	mm	1265×685×395	1265×685×395	1265×685×395	1265×685×395	1505×685×395
	Net(Panel)	mm	1203×630×33	1203×630×33	1203×630×33	1203×630×33	1443×630×33
	Packing(Panel)	mm	1220×665×175	1220×665×175	1220×665×175	1220×665×175	1460×665×175
Weight	Net/Gross(Body)	kg	41/44	41/44	42/45	42/45	47.5/51
	Net/Gross(Panel)	kg	5/7	5/7	5/7	5/7	7.5/9.5
Refrigerant Type			R410a	R410a	R410a	R410a	R410a
Pipe Diameter	Liquid Side	mm(inch)	6.35(1/4)	6.35(1/4)	6.35(1/4)	6.35(1/4)	9.52(3/8)
	Gas Side	mm(inch)	12.7(1/2)	12.7(1/2)	12.7(1/2)	12.7(1/2)	15.88(5/8)
	Drainage	mm(inch)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)
Stuffing Quantity	20/40/40H	unit	72/156/156	72/156/156	72/156/156	72/156/156	64/144/144

Notes:

1.Cooling Capacity: Indoor temperature 27°C DB/19°C WB;Outdoor temperature:35°C DB/24°C WB.

2.Heating Capacity:Indoor temperature 20°C DB;Outdoor temperature:7°C DB/6°C WB.

3.Piping Length:Equivalent piping length: 7.5m,l evel difference: 0m.

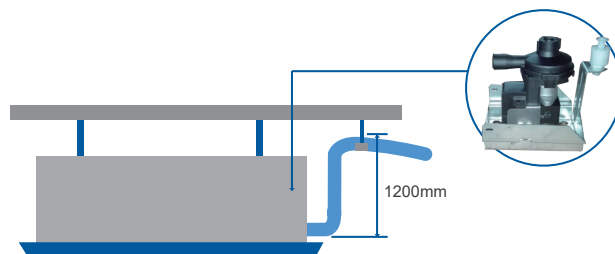
4.Sound level is measured at 1.4m below the unit.

5.The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.

Four-Way Cassette

Built-in Water Drainage Pump

Digital tube displays all contents: indoor temperature, setting temperature, operation mode, etc.
Clearly to check the running status, more convenient for trouble shooting.



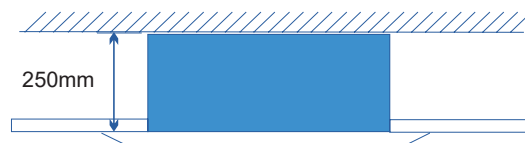
Optimized Electric Box

Better fire-proof and easy to maintenance.



Ultra Slim Design

Only 250mm in height, save installation space.



Fresh Air Intake

Fresh air makes indoor air healthy and comfortable.



Quiet Operation

Innovative 3D spiral wind leaf increases air volume and makes the air supply more quietly and smoothly.



Digital Tube Display

Digital tube displays all contents: indoor temperature, setting temperature, operation mode, etc.
Clearly to check the running status, more convenient for trouble shooting.



Fan Motor Options

Choose either AC or DC fan motors.

Panel Options

4-way and around-way panels can be chosen

Four-Way Cassette



Specification-DC fan motor

Model	Indoor		ARVCA-H028/R1X	ARVCA-H036/R1X	ARVCA-H045/R1X	ARVCA-H056/R1X	ARVCA-H071/R1X	ARVCA-H080/R1X
Capacity	Cooling	kW	2.8	3.6	4.5	5.6	7.1	8
	Heating	kW	3	4.3	5	6	8	10
Electric Data	Power Supply	V~,Hz,Ph	220~240,50/60,1	220~240,50/60,1	220~240,50/60,1	220~240,50/60,1	220~240,50/60,1	220~240,50/60,1
	Rated Power	W	33.5	33.5	33.5	33.5	40	40
Performance	Air Flow Volume(Hi/Mid/Low)	m ³ /h	700/600/530	700/600/530	700/600/530	700/600/530	1250/1040/910	1250/1040/910
	Noise Level(Hi/Mid/Low)	dB(A)	45/41/35	45/41/35	45/41/35	45/41/35	38/34/30	38/34/30
Dimension (WxDxH)	Nett(Body)	mm	570×630×260	570×630×260	570×630×260	570×630×260	835×835×250	835×835×250
	Packing(Body)	mm	650×710×290	650×710×290	650×710×290	650×710×290	910×910×310	910×910×310
	Nett(Panel)	mm	650×650×55	650×650×55	650×650×55	650×650×55	950×950×55	950×950×55
	Packing(Panel)	mm	710×710×80	710×710×80	710×710×80	710×710×80	1000×1000×100	1000×1000×100
Weight	Nett/Gross(Body)	kg	19/21	19/21	19/21	19/21	24/29	24/29
	Nett/Gross(Panel)	kg	2.2/3.7	2.2/3.7	2.2/3.7	2.2/3.7	5.3/7.8	5.3/7.8
Refrigerant Type			R410a	R410a	R410a	R410a	R410a	R410a
Pipe Diameter	Liquid Side	mm(inch)	6.35(1/4)	6.35(1/4)	6.35(1/4)	6.35(1/4)	9.52(3/8)	9.52(3/8)
	Gas Side	mm(inch)	12.7(1/2)	12.7(1/2)	12.7(1/2)	12.7(1/2)	15.88(5/8)	15.88(5/8)
	Drainage	mm(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Stuffing Quantity	20/40/40H	unit	140/312/354	140/312/354	140/312/354	140/312/354	78/168/184	78/168/184

Specification-DC fan motor

Model	Indoor		ARVCA-H090/R1X	ARVCA-H100/R1X	ARVCA-H112/R1X	ARVCA-H125/R1X	ARVCA-H140/R1X
Capacity	Cooling	kW	9	10	11.2	12.5	14
	Heating	kW	11	12	12.8	13.3	15
Electric Data	Power Supply	V~,Hz,Ph	220~240,50/60,1	220~240,50/60,1	220~240,50/60,1	220~240,50/60,1	220~240,50/60,1
	Rated Power	W	65	65	101	101	101
Performance	Air Flow Volume(Hi/Mid/Low)	m ³ /h	1500/1200/1050	1500/1200/1050	1800/1440/1260	1800/1440/1260	1800/1440/1260
	Noise Level(Hi/Mid/Low)	dB(A)	43/39/38	43/39/38	45/42/40	45/42/40	46/43/41
Dimension (WxDxH)	Nett(Body)	mm	835×835×250	835×835×250	835×835×290	835×835×290	835×835×290
	Packing(Body)	mm	910×910×310	910×910×310	910×910×350	910×910×350	910×910×350
	Nett(Panel)	mm	950×950×55	950×950×55	950×950×55	950×950×55	950×950×55
	Packing(Panel)	mm	1000×1000×100	1000×1000×100	1000×1000×100	1000×1000×100	1000×1000×100
Weight	Nett/Gross(Body)	kg	25/30	25/30	26/31	26/31	26/31
	Nett/Gross(Panel)	kg	5.3/7.8	5.3/7.8	5.3/7.8	5.3/7.8	5.3/7.8
Refrigerant Type			R410a	R410a	R410a	R410a	R410a
Pipe Diameter	Liquid Side	mm(inch)	9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52(3/8)
	Gas Side	mm(inch)	15.88(5/8)	15.88(5/8)	15.88(5/8)	15.88(5/8)	15.88(5/8)
	Drainage	mm(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Stuffing Quantity	20/40/40H	unit	78/168/184	78/168/184	68/150/170	68/150/170	68/150/170

Notes:

1.Cooling Capacity: Indoor temperature 27°C DB/19°C WB; Outdoor temperature:35°C DB/24°C WB.

2.Heating Capacity:Indoor temperature 20°C DB; Outdoor temperature:7°C DB/6°C WB.

3.Piping Length:Equivalent piping length: 7.5m, level difference: 0m.

4.Sound level is measured at 1.4m below the unit.

5.The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.

Four-Way Cassette



Specification-50Hz AC fan motor

Model	Indoor		ARVCA-H071/4R1B	ARVCA-H080/4R1B	ARVCA-H090/4R1B	ARVCA-H100/4R1B	ARVCA-H112/4R1B	ARVCA-H125/4R1B	ARVCA-H140/4R1B
Capacity	Cooling	kW	7.1	8	9	10	11.2	12.5	14
	Heating	kW	8	10	11	12	12.8	13.3	15
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1
	Rated Power	W	100	100	176	176	200	200	200
Performance	Air Flow Volume(Hi/Mid/Low)	m³/h	1250/1040/910	1250/1040/910	1500/1200/1050	1500/1200/1050	1800/1440/1260	1800/1440/1260	1800/1440/1260
	Noise Level(Hi/Mid/Low)	dB(A)	38/34/30	38/34/30	41/37/34	41/37/34	41/38/35	41/38/35	41/38/35
Dimension (WxDxH)	Nett(Body)	mm	835×835×250	835×835×250	835×835×250	835×835×250	835×835×290	835×835×290	835×835×290
	Packing(Body)	mm	910×910×310	910×910×310	910×910×310	910×910×310	910×910×350	910×910×350	910×910×350
	Nett(Panel)	mm	950×950×55	950×950×55	950×950×55	950×950×55	950×950×55	950×950×55	950×950×55
	Packing(Panel)	mm	1000×1000×100	1000×1000×100	1000×1000×100	1000×1000×100	1000×1000×100	1000×1000×100	1000×1000×100
Weight	Nett/Gross(Body)	kg	27/34	27/34	28/35	28/35	30/37	30/37	30/37
	Nett/Gross(Panel)	kg	5/7	5/7	5/7	5/7	5/7	5/7	5/7
Refrigerant Type			R410a	R410a	R410a	R410a	R410a	R410a	R410a
Pipe Diameter	Liquid Side	mm(inch)	9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52(3/8)
	Gas Side	mm(inch)	15.88(5/8)	15.88(5/8)	15.88(5/8)	15.88(5/8)	15.88(5/8)	15.88(5/8)	15.88(5/8)
	Drainage	mm(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Stuffing Quantity	20/40/40H	unit	78/168/184	78/168/184	78/168/184	78/168/184	68/150/170	68/150/170	68/150/170

Specification-60Hz AC fan motor

Model	Indoor		ARVCA-H071/2R1A	ARVCA-H080/2R1A	ARVCA-H090/2R1A	ARVCA-H100/2R1A	ARVCA-H112/2R1A	ARVCA-H125/2R1A	ARVCA-H140/2R1A
Capacity	Cooling	kW	7.1	8	9	10	11.2	12.5	14
	Heating	kW	8	10	11	12	12.8	13.3	15
Electric Data	Power Supply	V~,Hz,Ph	220~240,60,1	220~240,60,1	220~240,60,1	220~240,60,1	220~240,60,1	220~240,60,1	220~240,60,1
	Rated Power	W	95	95	122	122	165	165	165
Performance	Air Flow Volume(Hi/Mid/Low)	m³/h	1250/1040/910	1250/1040/910	1500/1200/1050	1500/1200/1050	1800/1440/1260	1800/1440/1260	1800/1440/1260
	Noise Level(Hi/Mid/Low)	dB(A)	38/34/30	38/34/30	41/37/34	41/37/34	41/38/35	41/38/35	41/38/35
Dimension (WxDxH)	Nett(Body)	mm	835×835×250	835×835×250	835×835×250	835×835×250	835×835×290	835×835×290	835×835×290
	Packing(Body)	mm	910×910×310	910×910×310	910×910×310	910×910×310	910×910×350	910×910×350	910×910×350
	Nett(Panel)	mm	950×950×55	950×950×55	950×950×55	950×950×55	950×950×55	950×950×55	950×950×55
	Packing(Panel)	mm	1000×1000×100	1000×1000×100	1000×1000×100	1000×1000×100	1000×1000×100	1000×1000×100	1000×1000×100
Weight	Nett/Gross(Body)	kg	27/34	27/34	28/35	28/35	30/37	30/37	30/37
	Nett/Gross(Panel)	kg	5/7	5/7	5/7	5/7	5/7	5/7	5/7
Pipe Diameter	Liquid Side	mm(inch)	9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52(3/8)
	Gas Side	mm(inch)	15.88(5/8)	15.88(5/8)	15.88(5/8)	15.88(5/8)	15.88(5/8)	15.88(5/8)	15.88(5/8)
	Drainage	mm(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Stuffing Quantity	20/40/40H	unit	78/168/184	78/168/184	78/168/184	78/168/184	68/150/170	68/150/170	68/150/170

Notes:

1.Cooling Capacity: Indoor temperature 27°C DB/19°C WB; Outdoor temperature:35°C DB/24°C WB.

2.Heating Capacity:Indoor temperature 20°C DB; Outdoor temperature:7°C DB/6°C WB.

3.Piping Length:Equivalent piping length: 7.5m,I evel difference: 0m.

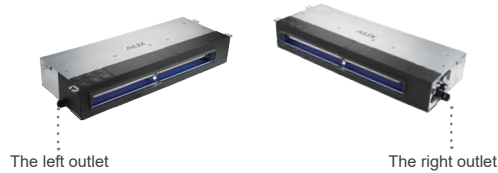
4.Sound level is measured at 1.4m below the unit.

5.The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.

Slim Duct

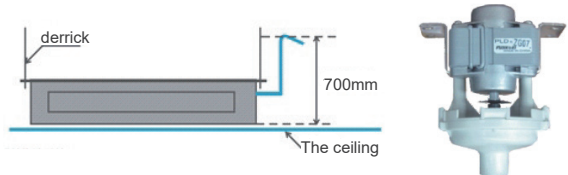
2 Ways Draining Connection

There two outlet in left and right, both left and right side of unit are possible for drainage hose connection, easy for installation.



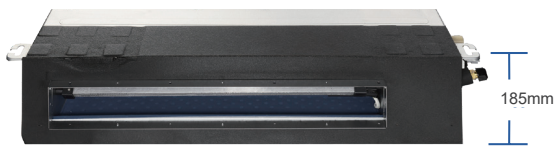
Built-in Water Pump Optional

The built-in pump can lift condensing water up to 700mm high from the drainage pan installation.



Ultra Slim Design

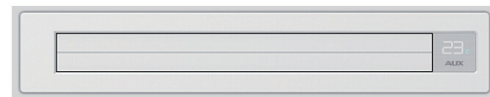
The thickness is only 185mm, save installation space.



Air Outlet Panel Options

Digital tube displays all contents: indoor temperature, setting temperature, operation mode, etc.

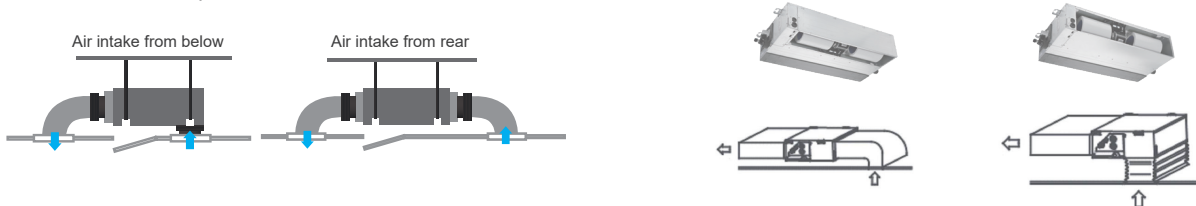
Clearly to check the running status, more convenient for trouble shooting.



Flexible Air Intake Options

Air intake from rear as standard, from bottom is optional.

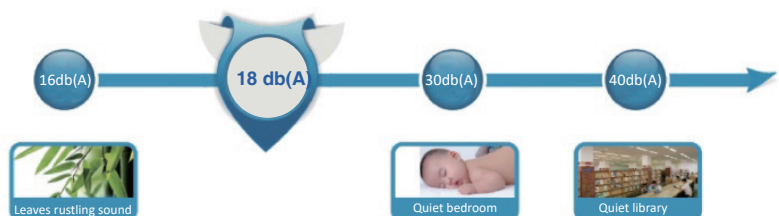
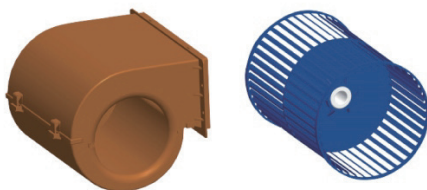
The size of the plate from bottom is the same as the flange from back, which makes it convenient to change installation style due to different decoration requirements.



Silence Operation

Innovative centrifugal fan for large diameter and a new design of the spiral duct system equipped with high-quality motor at the same time, making the air supply quieter and smoother. The lowest noise is 18 db(A).

The lowest operation noise is 18 db(A), the industry's most advanced mute value.



Fan Motor Options

Choose either AC or DC fan motors.

Slim Duct



Specification-DC fan motor

Model	Indoor		ARVSD-H022/R1X	ARVSD-H028/R1X	ARVSD-H036/R1X	ARVSD-H045/R1X	ARVSD-H056/R1X	ARVSD-H071/R1X
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.6	7.1
	Heating	kW	2.5	3.0	4.3	5.0	6.0	8.0
Electric Data	Power Supply	V~,Hz,Ph	220~240,50/60,1	220~240,50/60,1	220~240,50/60,1	220~240,50/60,1	220~240,50/60,1	220~240,50/60,1
	Rated Power	W	57	57	61	80	80	90
Performance	Air Flow Volume(Hi/Mid/Low)	m ³ /h	480/390/320	480/390/320	560/430/390	850/680/575	850/680/575	1000/810/685
	Noise Level(Hi/Mid/Low)	dB(A)	30/26/23	30/26/23	32/28/25	38/35/32	38/35/32	39/36/32
	External Static Pressure(ESP)	Pa	10/30	10/30	10/30	10/30	10/30	10/30
Dimension (WxDxH)	Net	mm	840×460×185	840×460×185	840×460×185	1160×460×185	1160×460×185	1160×460×185
	Packing	mm	1030×545×250	1030×545×250	1030×545×250	1350×545×250	1350×545×250	1350×545×250
Weight		kg	15.5/19	15.5/19	16.5/20	20/24	20/24	22/26
Pipe Diameter	Liquid Side	mm(inch)	6.35(1/4)	6.35(1/4)	6.35(1/4)	6.35(1/4)	6.35(1/4)	9.52(3/8)
	Gas Side	mm(inch)	9.52(3/8)	9.52(3/8)	12.7(1/2)	12.7(1/2)	12.7(1/2)	15.88(5/8)
	Drainage	mm(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Stuffing Quantity	20/40/40H	unit	198/414/460	198/414/460	198/414/460	153/306/340	153/306/340	153/306/340

Specification-50Hz AC fan motor

Model	Indoor		ARVSD-H022/4R1A	ARVSD-H028/4R1A	ARVSD-H036/4R1A	ARVSD-H045/4R1A	ARVSD-H056/4R1A	ARVSD-H071/4R1A
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.6	7.1
	Heating	kW	2.5	3.0	4.3	5.0	6.0	8.0
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1
	Rated Power	W	59	59	65	91	91	113
Performance	Air Flow Volume(Hi/Mid/Low)	m ³ /h	480/390/320	480/390/320	560/430/390	850/680/575	850/680/575	1000/810/685
	Noise Level(Hi/Mid/Low)	dB(A)	30/26/23	30/26/23	32/28/25	38/35/32	38/35/32	39/36/32
	External Static Pressure(ESP)	Pa	10/30	10/30	10/30	10/30	10/30	10/30
Dimension (WxDxH)	Net	mm	840×460×185	840×460×185	840×460×185	1160×460×185	1160×460×185	1160×460×185
	Packing	mm	1030×545×250	1030×545×250	1030×545×250	1350×545×250	1350×545×250	1350×545×250
Weight		kg	15.5/19	15.5/19	16.5/20	20/24	20/24	22/26
Pipe Diameter	Liquid Side	mm(inch)	6.35(1/4)	6.35(1/4)	6.35(1/4)	6.35(1/4)	6.35(1/4)	9.52(3/8)
	Gas Side	mm(inch)	9.52(3/8)	9.52(3/8)	12.7(1/2)	12.7(1/2)	12.7(1/2)	15.88(5/8)
	Drainage	mm(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Stuffing Quantity	20/40/40H	unit	198/414/460	198/414/460	198/414/460	153/306/340	153/306/340	153/306/340

Specification-60Hz AC fan motor

Model	Indoor		ARVSD-H022/2R1	ARVSD-H028/2R1	ARVSD-H036/2R1	ARVSD-H045/2R1	ARVSD-H056/2R1	ARVSD-H071/2R1
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.6	7.1
	Heating	kW	2.5	3.0	4.3	5.0	6.0	8.0
Electric Data	Power Supply	V~,Hz,Ph	220~240,60,1	220~240,60,1	220~240,60,1	220~240,60,1	220~240,60,1	220~240,60,1
	Rated Power	W	59	59	65	97	97	113
Performance	Air Flow Volume(Hi/Mid/Low)	m ³ /h	480/390/320	480/390/320	560/430/390	850/680/575	850/680/575	1000/810/685
	Noise Level(Hi/Mid/Low)	dB(A)	30/26/23	30/26/23	32/28/25	38/35/32	38/35/32	39/36/32
	External Static Pressure(ESP)	Pa	10/30	10/30	10/30	10/30	10/30	10/30
Dimension (WxDxH)	Net	mm	840×460×185	840×460×185	840×460×185	1160×460×185	1160×460×185	1160×460×185
	Packing	mm	1030×545×250	1030×545×250	1030×545×250	1350×545×250	1350×545×250	1350×545×250
Weight		kg	15.5/19	15.5/19	16.5/20	20/24	20/24	22/26
Pipe Diameter	Liquid Side	mm(inch)	6.35(1/4)	6.35(1/4)	6.35(1/4)	6.35(1/4)	6.35(1/4)	9.52(3/8)
	Gas Side	mm(inch)	9.52(3/8)	9.52(3/8)	12.7(1/2)	12.7(1/2)	12.7(1/2)	15.88(5/8)
	Drainage	mm(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Stuffing Quantity	20/40/40H	unit	198/414/460	198/414/460	198/414/460	153/306/340	153/306/340	153/306/340

Notes:

1.Cooling Capacity: Indoor temperature 27°C DB/19°C WB; Outdoor temperature:35°C DB/24°C WB.

2.Heating Capacity:Indoor temperature 20°C DB; Outdoor temperature:7°C DB/6°C WB.

3.Piping Length:Equivalent piping length: 7.5m,I evel difference: 0m.

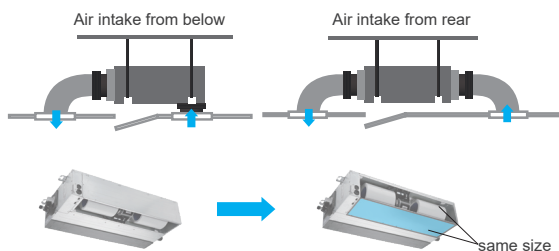
4.Sound level is measured at 1.4m below the unit.

5.The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.

Mid ESP Duct

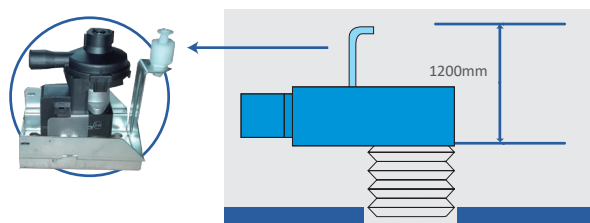
Flexible Air Intake Options

Air intake from rear as standard, from bottom is optional. The size of the plate from bottom is the same as the flange from back, which makes it convenient to change installation style according to different decoration requirements.



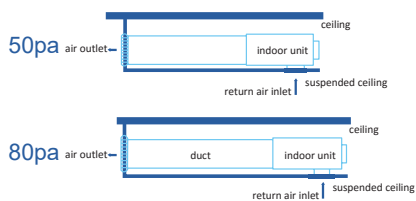
Built-in Water Pump (Optional)

The built-in pump can lift condensing water up to 1200mm high from the drainage pan.



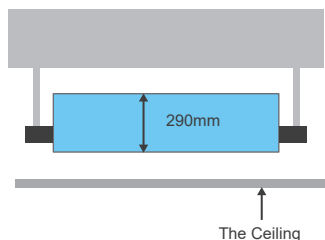
Optional ESP

50Pa and 80Pa are both optional.



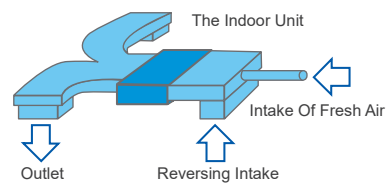
Ultra Slim Design

Only 290mm in height, save installation space.



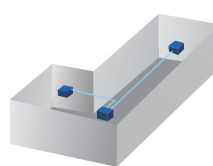
Fresh Air Intake

Fresh air makes indoor air healthy and comfortable.

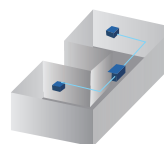


Applicable To A Variety Of Room Types

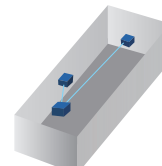
Specific ESP design can be applied to various room types easily, like rooms of L type or U type; the air outlet can be set separately from the indoor unit, so the air flow can be equally distributed even the room is in irregular structure.



Room1: L Type



Room2: U Type



Room3: Narrow Type

Fan Motor Options

Choose either AC or DC fan motors.

Mid ESP Duct



Specification-DC fan motor

Model	Indoor		ARVMD-H045/R1X	ARVMD-H056/R1X	ARVMD-H071/R1X	ARVMD-H080/R1X	ARVMD-H090/R1X
Capacity	Cooling	kW	4.5	5.6	7.1	8.0	9.0
	Heating	kW	5.1	6.3	8.0	9.0	10.0
Electric Data	Power Supply	V~,Hz,Ph	220~240,50/60,1	220~240,50/60,1	220~240,50/60,1	220~240,50/60,1	220~240,50/60,1
	Rated Power	W	73	73	106	106	126
Performance	Air Flow Volume(Hi/Mid/Low)	m ³ /h	950/850/700	950/850/700	1300/1100/850	1300/1100/850	1400/1200/950
	Noise Level(Hi/Mid/Low)	dB(A)	40/37/33	40/37/33	41/39/36	41/39/36	44/41/39
	External Static Pressure(ESP)	Pa	50/80	50/80	50/80	50/80	50/80
Dimension (WxDxH)	Net	mm	890×735×290	890×735×290	890×735×290	890×735×290	890×735×290
	Packing	mm	1070×800×360	1070×800×360	1070×800×360	1070×800×360	1070×800×360
Weight	Net/Gross	kg	29.5/34	29.5/34	30.5/35	30.5/35	32.5/37
Pipe Diameter	Liquid Side	mm(inch)	6.35(1/4)	6.35(1/4)	9.52(3/8)	9.52(3/8)	9.52(3/8)
	Gas Side	mm(inch)	12.7(1/2)	12.7(1/2)	15.88(5/8)	15.88(5/8)	15.88(5/8)
	Drainage	mm(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Stuffing Quantity	20/40/40H	unit	84/180/210	84/180/210	84/180/210	84/180/210	84/180/210

Specification-DC fan motor

Model	Indoor		ARVMD-H100/R1X	ARVMD-H112/R1X	ARVMD-H125/R1X	ARVMD-H140/R1X	ARVMD-H150/R1X
Capacity	Cooling	kW	10.0	11.2	12.5	14.0	15.0
	Heating	kW	11.2	12.5	14.0	15.0	17.0
Electric Data	Power Supply	V~,Hz,Ph	220~240,50/60,1	220~240,50/60,1	220~240,50/60,1	220~240,50/60,1	220~240,50/60,1
	Rated Power	W	126	191	191	220	220
Performance	Air Flow Volume(Hi/Mid/Low)	m ³ /h	1400/1200/950	2000/1700/1400	2000/1700/1400	2200/1850/1550	2200/1850/1550
	Noise Level(Hi/Mid/Low)	dB(A)	44/41/39	45/42/39	45/42/39	47/43/41	47/43/41
	External Static Pressure(ESP)	Pa	50/80	50/80	50/80	50/80	50/80
Dimension (WxDxH)	Net	mm	890×735×290	1250×735×290	1250×735×290	1250×735×290	1250×735×290
	Packing	mm	1070×800×360	1430×800×360	1430×800×360	1430×800×360	1430×800×360
Weight	Net/Gross	kg	32.5/37	42/47	42/47	42/47	42/47
Pipe Diameter	Liquid Side	mm(inch)	9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52(3/8)
	Gas Side	mm(inch)	15.88(5/8)	15.88(5/8)	15.88(5/8)	15.88(5/8)	15.88(5/8)
	Drainage	mm(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Stuffing Quantity	20/40/40H	unit	84/180/210	66/138/161	66/138/161	66/138/161	66/138/161

Specification-50Hz AC fan motor

Model	Indoor		ARVMD-H045/4R1A	ARVMD-H056/4R1A	ARVMD-H071/4R1A	ARVMD-H080/4R1A	ARVMD-H090/4R1A
Capacity	Cooling	kW	4.5	5.6	7.1	8.0	9.0
	Heating	kW	5.0	6.0	8.0	10.0	11.0
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1
	Rated Power	W	165	165	235	265	265
Performance	Air Flow Volume(Hi/Mid/Low)	m ³ /h	950/760/665	950/760/665	1200/960/840	1500/1200/1050	1500/1200/1050
	Noise Level(Hi/Mid/Low)	dB(A)	42/39/37	42/39/37	45/42/39	48/45/42	48/45/42
	External Static Pressure(ESP)	Pa	50/80	50/80	50/80	50/80	50/80
Dimension (WxDxH)	Net	mm	890×785×290	890×785×290	890×785×290	890×785×290	890×785×290
	Packing	mm	1075×885×370	1075×885×370	1075×885×370	1075×885×370	1075×885×370
Weight	Net/Gross	kg	36/42	36/42	36/44	38/44	38/44
Pipe Diameter	Liquid Side	mm(inch)	6.35(1/4)	6.35(1/4)	9.52(3/8)	9.52(3/8)	9.52(3/8)
	Gas Side	mm(inch)	12.7(1/2)	12.7(1/2)	15.88(5/8)	15.88(5/8)	15.88(5/8)
	Drainage	mm(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Stuffing Quantity	20/40/40H	unit	72/156/182	72/156/182	72/156/182	72/156/182	72/156/182

Notes:

1.Cooling Capacity: Indoor temperature 27°C DB/ 19°C WB;Outdoor temperature:35°C DB/ 24°C WB.

2.Heating Capacity: Indoor temperature 20°C DB; Outdoor temperature: 7°C DB/ 6°C WB.

3.Piping Length: Equivalent piping length: 7.5m, level difference: 0m.

4.Sound level is measured at 1.4m below the unit.

5.The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.

Mid ESP Duct



Specification-50Hz AC fan motors

Model	Indoor		ARVMD-H100/4R1A	ARVMD-H112/4R1A	ARVMD-H125/4R1A	ARVMD-H140/4R1A	ARVMD-H150/4R1A
Capacity	Cooling	kW	10.0	11.2	12.5	14.0	15.0
	Heating	kW	12.0	12.8	13.3	15.0	16.0
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1
	Rated Power	W	265	335	335	335	335
Performance	Air Flow Volume(Hi/Mid/Low)	m ³ /h	1500/1200/1050	2000/1600/1400	2000/1600/1400	2000/1600/1400	2200/1760/1540
	Noise Level(Hi/Mid/Low)	dB(A)	48/45/42	51/43/40	51/43/40	51/43/40	51/43/40
	External Static Pressure(ESP)	Pa	50/80	50/80	50/80	50/80	50/80
Dimension (WxDxH)	Net	mm	890×785×290	1250×785×290	1250×785×290	1250×785×290	1250×785×290
	Packing	mm	1075×885×370	1435×885×370	1435×885×370	1435×885×370	1435×885×370
Weight	Net/Gross	kg	38/44	54/61	54/61	54/61	54/61
	Liquid Side	mm(inch)	9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52(3/8)
Pipe Diameter	Gas Side	mm(inch)	15.88(5/8)	15.88(5/8)	15.88(5/8)	15.88(5/8)	15.88(5/8)
	Drainage	mm(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Stuffing Quantity	20/40/40H	unit	72/156/182	60/126/147	60/126/147	60/126/147	60/126/147

Specification-60Hz AC fan motors

Model	Indoor		ARVMD-H045/2R1	ARVMD-H056/2R1	ARVMD-H071/2R1	ARVMD-H080/2R1	ARVMD-H090/2R1
Capacity	Cooling	kW	4.5	5.6	7.1	8.0	9.0
	Heating	kW	5.0	6.0	8.0	10.0	11.0
Electric Data	Power Supply	V~,Hz,Ph	220~240,60,1	220~240,60,1	220~240,60,1	220~240,60,1	220~240,60,1
	Rated Power	W	165	165	235	265	265
Performance	Air Flow Volume(Hi/Mid/Low)	m ³ /h	950/760/665	950/760/665	1200/960/840	1500/1200/1050	1500/1200/1050
	Noise Level(Hi/Mid/Low)	dB(A)	42/39/37	42/39/37	45/42/39	48/45/42	48/45/42
	External Static Pressure(ESP)	Pa	50/80	50/80	50/80	50/80	50/80
Dimension (WxDxH)	Net	mm	890×785×290	890×785×290	890×785×290	890×785×290	890×785×290
	Packing	mm	1075×885×370	1075×885×370	1075×885×370	1075×885×370	1075×885×370
Weight	Net/Gross	kg	35/41	35/41	37/43	37/43	37/43
	Liquid Side	mm(inch)	6.35(1/4)	6.35(1/4)	9.52(3/8)	9.52(3/8)	9.52(3/8)
Pipe Diameter	Gas Side	mm(inch)	12.7(1/2)	12.7(1/2)	15.88(5/8)	15.88(5/8)	15.88(5/8)
	Drainage	mm(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Stuffing Quantity	20/40/40H	unit	72/156/182	72/156/182	72/156/182	72/156/182	72/156/182

Specification-60Hz AC fan motors

Model	Indoor		ARVMD-H100/2R1	ARVMD-H112/2R1	ARVMD-H125/2R1	ARVMD-H140/2R1	ARVMD-H150/2R1
Capacity	Cooling	kW	10.0	11.2	12.5	14.0	15.0
	Heating	kW	12.0	12.8	13.3	15.0	16.0
Electric Data	Power Supply	V~,Hz,Ph	220~240,60,1	220~240,60,1	220~240,60,1	220~240,60,1	220~240,60,1
	Rated Power	W	265	335	335	335	335
Performance	Air Flow Volume(Hi/Mid/Low)	m ³ /h	1500/1200/1050	2000/1600/1400	2000/1600/1400	2000/1600/1400	2200/1760/1540
	Noise Level(Hi/Mid/Low)	dB(A)	48/45/42	51/43/40	51/43/40	51/43/40	51/43/40
	External Static Pressure(ESP)	Pa	50/80	50/80	50/80	50/80	50/80
Dimension (WxDxH)	Net	mm	890×785×290	1250×785×290	1250×785×290	1250×785×290	1250×785×290
	Packing	mm	1075×885×370	1435×885×370	1435×885×370	1435×885×370	1435×885×370
Weight	Net/Gross	kg	37/43	53/60	53/60	53/60	53/60
	Liquid Side	mm(inch)	9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52(3/8)
Pipe Diameter	Gas Side	mm(inch)	15.88(5/8)	15.88(5/8)	15.88(5/8)	15.88(5/8)	15.88(5/8)
	Drainage	mm(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Stuffing Quantity	20/40/40H	unit	72/156/182	60/126/147	60/126/147	60/126/147	60/126/147

Notes:

1.Cooling Capacity: Indoor temperature 27°C DB/ 19°C WB; Outdoor temperature:35°C DB/ 24°C WB.

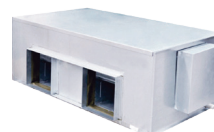
2.Heating Capacity: Indoor temperature 20°C DB; Outdoor temperature:7°C DB/ 6°C WB.

3.Piping Length: Equivalent piping length: 7.5m, level difference: 0m.

4.Sound level is measured at 1.4m below the unit.

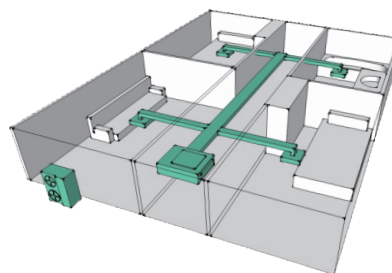
5.The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.

High ESP Duct



Long Distance Air Supply

High ESP makes the air supply distance up to 50m.



Specification-50Hz AC fan motor (196Pa)

Model	Indoor		ARVHD-H112/4R1A	ARVHD-H125/4R1A	ARVHD-H140/4R1A	ARVHD-H150/4R1A	ARVHD-H220/4R1B	ARVHD-H280/4R1B
Capacity	Cooling	kW	11.2	12.5	14.0	15.0	22.4	28.0
	Heating	kW	12.8	13.3	15.0	16.0	25.0	31.5
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1
	Rated Power	W	600	600	600	600	1250	1250
Performance	Air Flow Volume(Hi/Mid/Low)	m³/h	2000/1600/1400	2000/1600/1400	2000/1600/1400	2000/1600/1400	4000/3200/2600	4000/3200/2600
	Noise Level(Hi/Mid/Low)	dB(A)	60/57/51	60/57/51	60/57/51	60/57/51	55	55
	External Static Pressure(ESP)	Pa	196	196	196	196	220	220
Dimension (WxDxH)	Net	mm	1200×719×380	1200×719×380	1200×719×380	1200×719×380	1350×700×460	1350×700×460
	Packing	mm	1235×760×415	1235×760×415	1235×760×415	1235×760×415	1540×810×610	1540×810×610
Weight	Net/Gross	kg	56/59	56/59	56/59	56/59	91/110	91/110
Pipe Diameter	Liquid Side	mm(inch)	9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52(3/8)	12.7(1/2)	12.7(1/2)
	Gas Side	mm(inch)	19.05(3/4)	19.05(3/4)	19.05(3/4)	19.05(3/4)	22.2(7/8)	22.2(7/8)
	Drainage	mm	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN25	DN25
Stuffing Quantity	20/40/40H	unit	65/140/168	65/140/168	65/140/168	65/140/168	30/63/84	30/63/84

Model	Indoor		ARVHD-H220/NR1DC	ARVHD-H280/NR1DC	ARVHD-H450/5R1C	ARVHD-H560/5R1C
Capacity	Cooling	kW	22.4	28.0	45.0	56.0
	Heating	kW	25.0	31.5	49.5	61.5
Electric Data	Power Supply	V~,Hz,Ph	220~240,50/60,1	220V~240,50/60,1	380~415,50,3	380~415,50,3
	Rated Power	W	1200	1200	2220	2220
Performance	Air Flow Volume(Hi/Mid/Low)	m³/h	4000	4330	9000	9500
	Noise Level(Hi/Mid/Low)	dB(A)	53	53	63	63
	External Static Pressure(ESP)	Pa	250	250	200	200
Dimension (WxDxH)	Net	mm	1350×700×460	1350×700×460	2115×990×855	2115×990×855
	Packing	mm	1540×810×610	1540×810×610	2225×1025×1015	2225×1025×1015
Weight	Net/Gross	kg	91/110	91/110	225/260	225/260
Pipe Diameter	Liquid Side	mm(inch)	12.7	12.7	16	16
	Gas Side	mm(inch)	22.2	22.2	28	28
	Drainage	mm	DN25	DN25	DN25	DN25
Stuffing Quantity	20/40/40H	unit	30/63/84	30/63/84	10/22/22	10/22/22

Notes:

1.Cooling Capacity: Indoor temperature 27°C DB/19°C WB; Outdoor temperature:35°C DB/ 28°C WB.

2.Heating Capacity: Indoor temperature 20°C DB; Outdoor temperature: 7°C DB/ 6°C WB.

3.Piping Length: Equivalent piping length: 7.5m, l evel difference: 0m.

4.Sound level is measured at 1.4m below the unit.

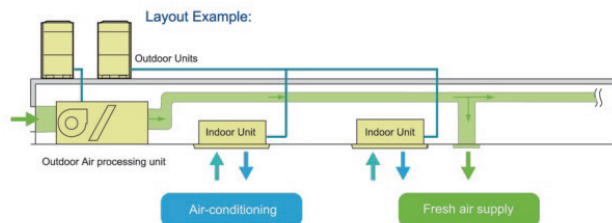
5.The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.

Fresh Air Processor



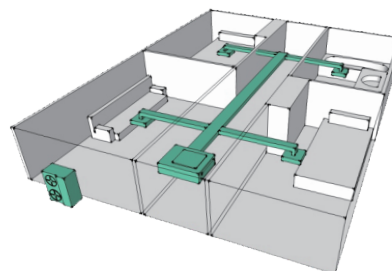
Innovative Air Supply Technology For Excellent Room Temperature Control

Fall all models, return air bellow and air filter are standard configuration.



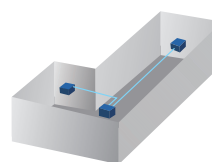
Long Distance Air Supply

High ESP makes the air supply distance up to 50m.

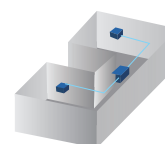


Applicable To A Variety Of Room Types

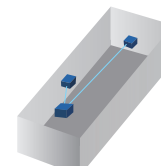
Specific ESP design can be applied to various room types easily, like rooms of L type or U type; the air outlet can be set separately from the indoor unit, so the air flow can be equally distributed even the room is in irregular structure.



Room1: L Type



Room2: U Type



Room3: Narrow Type

Specification-50Hz AC fan motor

Model	Indoor		ARVFA-H220/4R1B	ARVFA-H280/4R1B
Capacity	Cooling	kW	22.4	28.0
	Heating	kW	18.0	22.0
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1
	Rated Power	W	1000	1000
Performance	Air Flow Volume(Hi/Mid/Low)	m ³ /h	3200	3200
	Noise Level(Hi/Mid/Low)	dB(A)	55	55
	External Static Pressure(ESP)	Pa	220	220
Dimension (WxDxH)	Net	mm	1350×700×460	1350×700×460
	Packing	mm	1540×810×610	1540×810×610
Weight	Net/Gross	kg	91/110	91/110
	Liquid Side	mm(inch)	12.7(1/2)	12.7(1/2)
Pipe Diameter	Gas Side	mm(inch)	22.2(7/8)	22.2(7/8)
	Drainage	mm	DN25	DN25
Stuffing Quantity	20/40/40H	unit	30/63/84	30/63/84

Notes:

1.Cooling Capacity: Outdoor temperature 35°C DB/28°C WB.

2.Heating Capacity: Outdoor temperature 7°C DB/6°C WB.

3.Piping Length: Equivalent piping length: 7.5m, level difference: 0m.

4.Sound level is measured at 1.4m below the unit.

5.The above design and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.

Connection Conditions:

When only outdoor-air processing units are connected, the total capacity of the outdoor-air processing units must be within 50%~100% of the outdoor units.

When outdoor-air processing units and other type indoor units are connected, the total capacity of the outdoor-air processing units must not exceed 30% of the outdoor units.

Ceiling&Floor

Indoor Units-Cassette Series



FEATURES

■ optional ■ standard



Auto Restart Function



Sleep Mode



Fast Cooling/Heating



Long-term Filter



Intelligent Defrosting



3D Air Flow



Anti-Cold-Air



Remote Control



Low Ambient Cooling



Silent



Wired Control



Central Control



Golden Fin



WIFI Control

Ceiling & Floor



3D Air Swing

Vertical and horizontal swing makes air below to every corner of the room.



Ultra Slim Design

The thickness is only 205mm, saving installation space.



Innovative Centrifugal Fan

All units are equipped with 3-speed fan mode, adjusting the air flow rate in accordance with the ceiling height. Innovative centrifugal fan provides larger air volume but lower noise, making the air supply more quietly and smoothly.



Flexible Installation

Vertically installed against the wall or horizontally installed under the ceiling.



Ceiling&Floor



Specification-50Hz AC fan motor

Model	Indoor		ARVCF-H045/4R1A	ARVCF-H056/4R1A	ARVCF-H071/4R1A	ARVCF-H080/4R1A
Capacity	Cooling/Heating	kW	4.5	5.6	7.1	8.0
		kW	5.0	6.0	8.0	10.0
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1
	Cooling/Heating Power Input	W	80	80	140	140
Performance	Air Flow Volume(Hi/Mid/Low)	m ³ /h	950/760/665	950/760/665	1300/1040/910	1500/1200/1050
	Sound Power Noise Level	dB(A)	42/39/36	42/39/36	45/42/39	47/44/41
Dimension (W×D×H)	Net	mm	929×660×205	929×660×205	1280×660×205	1280×660×205
	Packing	mm	1010×720×290	1010×720×290	1360×720×290	1360×720×290
Weight	Net/Gross	kg	26/29	26/29	35/39	35/39
Pipe Diameter	Liquid Side	mm(inch)	6.35(1/4)	6.35(1/4)	9.52(3/8)	9.52(3/8)
	Gas Side	mm(inch)	12.7(1/2)	12.7(1/2)	15.88(5/8)	15.88(5/8)
	Drainage	mm(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Stuffing Quantity	20/40/40H	unit	136/280/315	136/280/315	96/200/225	96/200/225

Specification-50Hz AC fan motor

Model	Indoor		ARVCF-H090/4R1A	ARVCF-H100/4R1A	ARVCF-H112/4R1A	ARVCF-H125/4R1A	ARVCF-H140/4R1A
Capacity	Cooling/Heating	kW	9.0	10.0	11.2	12.5	14.0
		kW	11.0	12.0	12.8	13.3	15.0
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1
	Cooling/Heating Power Input	W	140	140	210	210	210
Performance	Air Flow Volume(Hi/Mid/Low)	m ³ /h	1500/1200/1050	1500/1200/1050	1800/1440/1260	1800/1440/1260	1800/1440/1260
	Sound Power Noise Level	dB(A)	47/44/41	47/44/41	48/45/42	48/45/42	48/45/42
Dimension (W×D×H)	Net	mm	1280×660×205	1280×660×205	1631×660×205	1631×660×205	1631×660×205
	Packing	mm	1360×720×290	1360×720×290	1710×720×290	1710×720×290	1710×720×290
Weight	Net/Gross	kg	35/39	35/39	45/51	45/51	45/51
Pipe Diameter	Liquid Side	mm(inch)	9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52(3/8)
	Gas Side	mm(inch)	15.88(5/8)	15.88(5/8)	15.88(5/8)	15.88(5/8)	15.88(5/8)
	Drainage	mm(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Stuffing Quantity	20/40/40H	unit	96/200/225	96/200/225	80/168/189	80/168/189	80/168/189

Notes:

- 1.Cooling Capacity: Indoor temperature 27°C DB/19°C WB; Outdoor temperature:35°C DB/24°C WB.
- 2.Heating Capacity:Indoor temperature 20°C DB;Outdoor temperature:7°C DB/6°C WB.
- 3.Piping Length:Equivalent piping length: 7.5m, level difference: 0m.
- 4.Floor standing:Sound level is measured 1m from air-outlet in horizontal distance, 1m above the floor in vertical distance.
- 5.Ceiling mounted: Sound level is measured 1m from air-outlet in horizontal distance,1m from air-outlet in vertical distance.
- 6.The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.

Ceiling&Floor



Specification-60Hz AC fan motor

Model	Indoor		ARVCF-H045/2R1A	ARVCF-H056/2R1A	ARVCF-H071/2R1A	ARVCF-H080/2R1A
Capacity	Cooling/Heating	kW	4.5	5.6	7.1	8.0
		kW	5.0	6.0	8.0	10.0
Electric Data	Power Supply	V~,Hz,Ph	220~240,60,1	220~240,60,1	220~240,60,1	220~240,60,1
	Cooling/Heating Power Input	W	96	96	168	168
Performance	Air Flow Volume(Hi/Mid/Low)	m ³ /h	950/760/665	950/760/665	1300/1040/910	1500/1200/1050
	Sound Power Noise Level	dB(A)	42/39/36	42/39/36	45/42/39	47/44/41
Dimension (W×D×H)	Net	mm	929×660×205	929×660×205	1280×660×205	1280×660×205
	Packing	mm	1010×720×290	1010×720×290	1360×720×290	1360×720×290
Weight	Net/Gross	kg	26/29	26/29	35/39	35/39
Pipe Diameter	Liquid Side	mm(inch)	6.35(1/4)	6.35(1/4)	9.52(3/8)	9.52(3/8)
	Gas Side	mm(inch)	12.7(1/2)	12.7(1/2)	15.88(5/8)	15.88(5/8)
	Drainage	mm(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Stuffing Quantity	20/40/40H	unit	136/280/315	136/280/315	96/200/225	96/200/225

Specification-60Hz AC fan motor

Model	Indoor		ARVCF-H090/2R1A	ARVCF-H100/2R1A	ARVCF-H112/2R1A	ARVCF-H125/2R1A	ARVCF-H140/2R1A
Capacity	Cooling/Heating	kW	9.0	10.0	11.2	12.5	14.0
		kW	11.0	12.0	12.8	13.3	15.0
Electric Data	Power Supply	V~,Hz,Ph	220~240,60,1	220~240,60,1	220~240,60,1	220~240,60,1	220~240,60,1
	Cooling/Heating Power Input	W	168	168	252	252	252
Performance	Air Flow Volume(Hi/Mid/Low)	m ³ /h	1500/1200/1050	1500/1200/1050	1800/1440/1260	1800/1440/1260	1800/1440/1260
	Sound Power Noise Level	dB(A)	47/44/41	47/44/41	48/45/42	48/45/42	48/45/42
Dimension (W×D×H)	Net	mm	1280×660×205	1280×660×205	1631×660×205	1631×660×205	1631×660×205
	Packing	mm	1360×720×290	1360×720×290	1710×720×290	1710×720×290	1710×720×290
Weight	Net/Gross	kg	35/39	35/39	45/51	45/51	45/51
Pipe Diameter	Liquid Side	mm(inch)	9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52(3/8)
	Gas Side	mm(inch)	15.88(5/8)	15.88(5/8)	15.88(5/8)	15.88(5/8)	15.88(5/8)
	Drainage	mm(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Stuffing Quantity	20/40/40H	unit	96/200/225	96/200/225	80/168/189	80/168/189	80/168/189

Notes:

- 1.Cooling Capacity: Indoor temperature 27°C DB/19°C WB; Outdoor temperature:35°C DB/ 24°C WB.
- 2.Heating Capacity: Indoor temperature 20°C DB; Outdoor temperature: 7°C DB/6°C WB.
- 3.Piping Length: Equivalent piping length: 7.5m, level difference: 0m.
- 4.Floor standing: Sound level is measured 1m from air-outlet in horizontal distance, 1m above the floor in vertical distance.
- 5.Ceiling mounted: Sound level is measured 1m from air-outlet in horizontal distance, 1m from air-outlet in vertical distance.
- 6.The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.



Wall-mounted

FEATURES

■ optional ■ standard



Remote Control



Intelligent Defrosting



Sleep Mode



Fast Cooling/Heating



Anti-Cold-Air



Digital Tube Display



Wired Control



Central Control

Wall-mounted

A Variety Of Panels

A variety of panels can be chosen

Wired Control

Remote controller is standard, and wired controller is optional. Wired controller can be fixed on the wall to avoid mislaying. It's mainly used for commercial zone and makes air conditioner control more convenient.



2 Ways Draining Connection

Both left and right sides of unit are possible for drainage pipe connection, easy for installation.



Convenient Installation

EXV is built-in the indoor unit, compact size. Adopts new type fixing plate, stable and easy to install.

Fan Motor Options

Choose either AC or DC fan motors.

Wall-mounted



Specification-DC fan motor

Model	Indoor		ARVWM-H022/R1X(L)	ARVWM-H028/R1X(L)	ARVWM-H036/R1X(L)	ARVWM-H045/R1X(L)	ARVWM-H056/R1X(L)	ARVWM-H071/R1X(L)
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.6	7.1
	Heating	kW	2.5	3	4.3	5	6	8
Electric Data	Power Supply	V~,Hz,Ph	220~240,50/60,1	220~240,50/60,1	220~240,50/60,1	220~240,50/60,1	220~240,50/60,1	220~240,50/60,1
	Rated Power	W	14	14	14	25	25	35
Performance	Air Flow Volume(Hi/Mid/Low)	m ³ /h	650/600/580	650/600/580	650/600/580	850/750/650	850/750/650	1200/950/800
	Noise Level(Hi/Mid/Low)	dB(A)	38/33/27	38/33/27	38/33/27	45/41/35	45/41/35	48/45/39
Dimension (WxDxH)	Net	mm	850×300×198	850×300×198	850×300×198	970×315×235	970×315×235	1100×330×235
	Packing	mm	905×357×267	905×357×267	905×357×267	1010×370×300	1010×370×300	1140×385×300
Weight	Net/Gross	kg	10/13	10/13	10/13	14/18	14/18	16/20
Pipe Diameter	Liquid Side	mm(inch)	6.35(1/4)	6.35(1/4)	6.35(1/4)	6.35(1/4)	6.35(1/4)	6.35(1/4)
	Gas Side	mm(inch)	9.52(3/8)	9.52(3/8)	9.52(3/8)	12.7(1/2)	12.7(1/2)	15.88(5/8)
	Drainage	mm(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Stuffing Quantity	20/40/40H	unit	336/696/812	336/696/812	336/696/812	258/546/637	258/546/637	234/492/492

Specification-50Hz AC fan motor

Model	Indoor		ARVWM-H022/4R1A(L)	ARVWM-H028/4R1A(L)	ARVWM-H036/4R1A(L)	ARVWM-H045/4R1A(L)	ARVWM-H056/4R1A(L)	ARVWM-H071/4R1A(L)
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.6	7.1
	Heating	kW	2.5	3.0	4.3	5.0	6.0	8.0
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1
	Rated Power	W	38	38	38	68	68	82
Performance	Air Flow Volume(Hi/Mid/Low)	m ³ /h	650/600/580	650/600/580	650/600/580	850/750/650	850/750/650	1200/950/800
	Noise Level(Hi/Mid/Low)	dB(A)	38/33/27	38/33/27	38/33/27	45/41/35	45/41/35	48/45/39
Dimension (WxDxH)	Net	mm	850×300×198	850×300×198	850×300×198	970×315×235	970×315×235	1100×330×235
	Packing	mm	905×357×267	905×357×267	905×357×267	1010×370×300	1010×370×300	1140×385×300
Weight	Net/Gross	kg	10/13	10/13	10/13	14/18	14/18	16/20
Pipe Diameter	Liquid Side	mm(inch)	6.35(1/4)	6.35(1/4)	6.35(1/4)	6.35(1/4)	6.35(1/4)	6.35(1/4)
	Gas Side	mm(inch)	9.52(3/8)	9.52(3/8)	9.52(3/8)	12.7(1/2)	12.7(1/2)	15.88(5/8)
	Drainage	mm(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Stuffing Quantity	20/40/40H	unit	336/696/812	336/696/812	336/696/812	258/546/637	258/546/637	234/492/492

Specification-60Hz AC fan motor

Model	Indoor		ARVWM-H022/2R1(L)	ARVWM-H028/2R1(L)	ARVWM-H036/2R1(L)	ARVWM-H045/2R1(L)	ARVWM-H056/2R1(L)	ARVWM-H071/2R1(L)
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.6	7.1
	Heating	kW	2.5	3.0	4.3	5.0	6.0	8.0
Electric Data	Power Supply	V~,Hz,Ph	220~240,60,1	220~240,60,1	220~240,60,1	220~240,60,1	220~240,60,1	220~240,60,1
	Rated Power	W	39	39	39	88	88	88
Performance	Air Flow Volume(Hi/Mid/Low)	m ³ /h	650/600/580	650/600/580	650/600/580	850/750/650	850/750/650	1200/950/800
	Noise Level(Hi/Mid/Low)	dB(A)	38/33/27	38/33/27	38/33/27	45/41/35	45/41/35	48/45/39
Dimension (WxDxH)	Net	mm	850×300×198	850×300×198	850×300×198	970×315×235	970×315×235	1100×330×235
	Packing	mm	905×357×267	905×357×267	905×357×267	1010×370×300	1010×370×300	1140×385×300
Weight	Net/Gross	kg	10/13	10/13	10/13	14/18	14/18	16/20
Pipe Diameter	Liquid Side	mm(inch)	6.35(1/4)	6.35(1/4)	6.35(1/4)	6.35(1/4)	6.35(1/4)	6.35(1/4)
	Gas Side	mm(inch)	9.52(3/8)	9.52(3/8)	9.52(3/8)	12.7(1/2)	12.7(1/2)	15.88(5/8)
	Drainage	mm(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Stuffing Quantity	20/40/40H	unit	336/696/812	336/696/812	336/696/812	258/546/637	258/546/637	234/492/492

Notes:

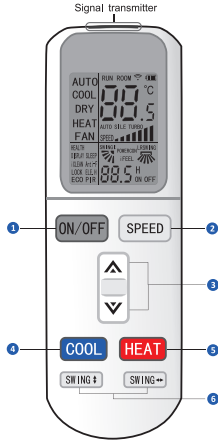
- 1.Cooling Capacity: Indoor temperature 27°C DB/19°C WB; Outdoor temperature:35°C DB/24°C WB.
- 2.Heating Capacity:Indoor temperature 20°C DB; Outdoor temperature:7°C DB/6°C WB.
- 3.Piping Length:Equivalent piping length: 7.5m, I level difference: 0m.
- 4.Sound level is measured 1m below the air outlet horizontally and vertically.
- 5.The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.

Control System

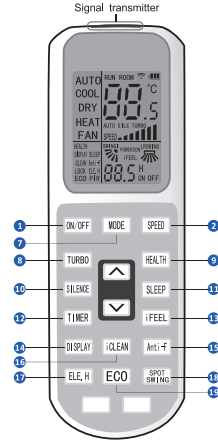
Remote Controller	57
Wired Controller	58
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BMS System	64
Wireless Network Control	65
Accessories	
AHU Kit	66
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Monitoring Software	69

Remote Controller

YK-L



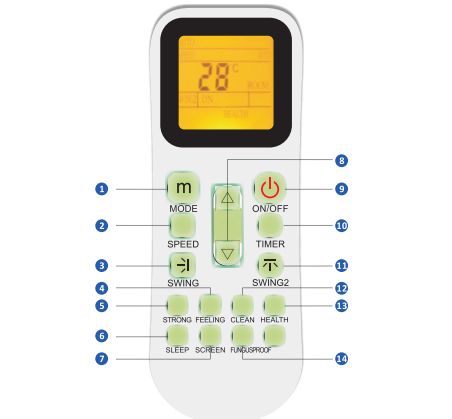
- ① ON/OFF
- ② Fan Speed Setting
HIGH/MED/LOW/AUTO
- ③ Temperature-Setting
/Timer Range Setting
- ④ Cooling Mode
- ⑤ Heating Mode
- ⑥ Vertical Swing/Horizontal Swing
- ⑦ Mode Setting
AUTO/COOL/DRY/HEAT/FAN
- ⑧ Turbo Wind
- ⑨ Health Function
- ⑩ Silence Function



- ⑪ Sleep Function
- ⑫ Timer On/Off
- ⑬ I Feel Function
- ⑭ LED Display On/Off
- ⑮ Anti-fungus Function
- ⑯ Clean Function
- ⑰ Auxiliary Electric Heating
- ⑱ Spot Swing
- ⑲ Economic Function

***YK-L -for commissioning**

YK-K



- ① Mode Setting
AUTO/COOL/DRY/HEAT/FAN
- ② Fan Speed Setting
HIGH/MED/LOW/AUTO
- ③ Vertical Swing
- ④ Feeling Function
- ⑤ Strong Wind
- ⑥ Sleep Function
- ⑦ LED Display On/Off

- ⑧ Temperature-Setting
/Timer Range Setting
- ⑨ ON/OFF
- ⑩ Timer On/Off
- ⑪ Horizontal Swing
- ⑫ Clean Function
- ⑬ Health Function
- ⑭ Fungusproof Function

Function

- 1. Background light**

The background light allows users to operate the device in a dark room. The device lights up when a button is pressed, and turns off when a given operation is completed.
- 2. Addresses setting**

Besides the machine's auto addressing function, users can set the indoor unit's address on the remote controller YK-L.

Specifications

Model	YK-L	YK-K
Dimesion (WxHxD) (mm)	52x160x25(max)	50x140x28.5(max)
Power(V)	3V(1.5V×2)	3V(1.5V×2)

Wired Controller

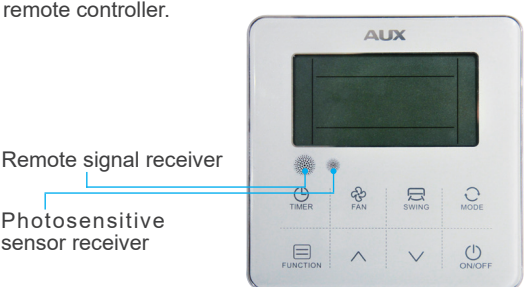


XK-05A

Features

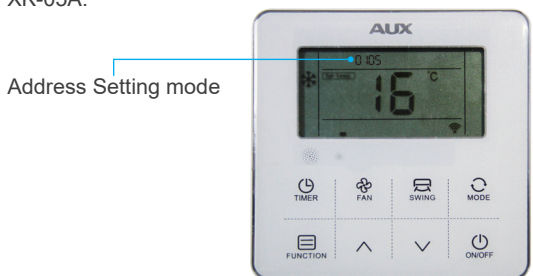
Built-In Remote Signal Receiver

A signal receiver is built-in the remote controller. Signal from remote controller can be received by wired controller, so the system status could be adjusted using a remote controller.



Addresses Setting

The address setting function is coupled with easy installation and simple future maintenance. Service personnel can set the address for the indoor unit using XK-05A.



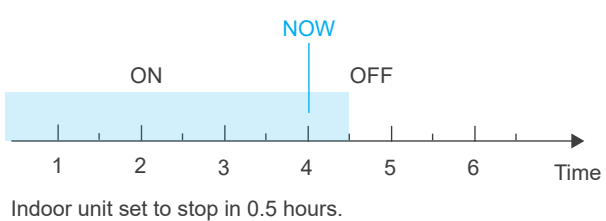
Follow Me

With the follow me function, the indoor unit responds to the temperature measured by the temperature sensor built-in the wired controller, rather temperature sensor in the indoor unit itself, so the temperature is measured closer to the user, rather than at the ceiling or floor height.



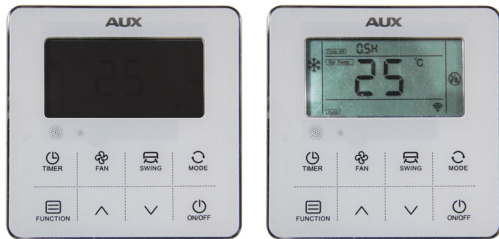
Built-in Timer

The built-in daily timer allows the systems automatically start and stop according to user-defined time setting.



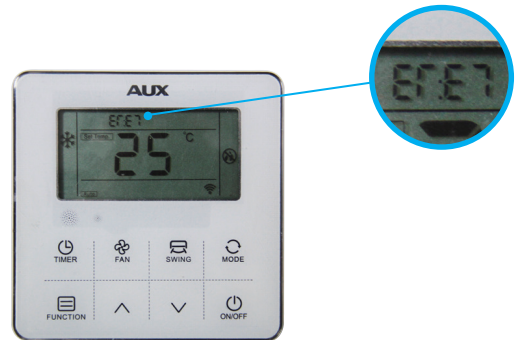
User-Friendly & Elegant Design

The XK-05A is a hidden-mode controller specially designed for hotels, hospitals, schools, offices. Fitted with a background light as standard, easy to use in the dark night.



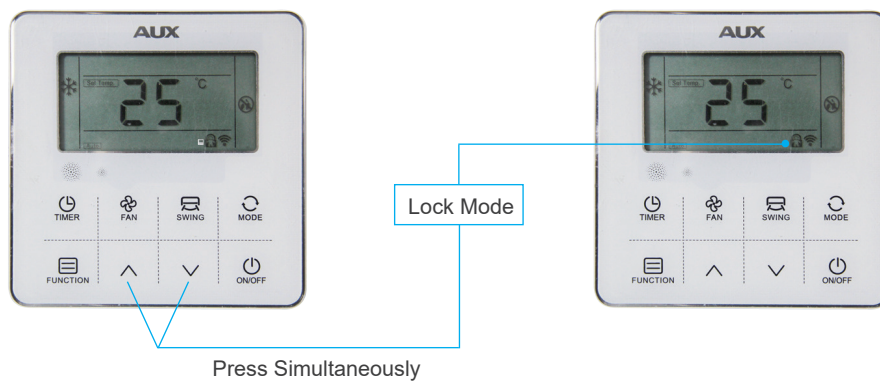
Error Reporting

If there is a malfunction, error codes are displayed in the temperature setting area of the controller's display screen.



Keyboard Locking

The locking function could prevent other people changing the setting state at will in public places.



Features

Specifications

Model	XK-05A
Dimension (WxHxD) (mm)	120×120×18
Power Supply(V)	DC 12V by IDU

Centralized Controllers

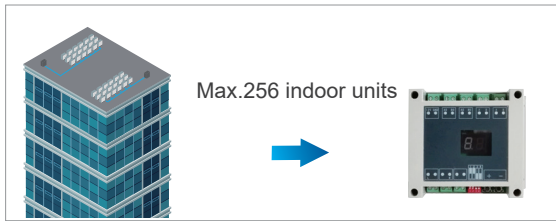
Touch Screen Centralized Control

AUX touch screen centralized controller is a multifunctional device that can control up to 256 indoor units within a maximum connection length of 1200meters. Users could enjoy the flexibility of either controlling multiple units as a group or controlling each unit individually.



Multi-system Control

256 indoor units with no repeated address from different outdoor systems could be centralized controlled together. this greatly reduces system limitations.



Multiple Lock function

The new centralized controller could not only lock their own keyboards, it could also enable the users lock each unit's setting mode or remote controller.



Weekly Schedule Control

The CC-02 centralized controller's weekly schedule timer function allows users to set up to four scheduled periods per day ,each with its own operation mode and temperature setting.



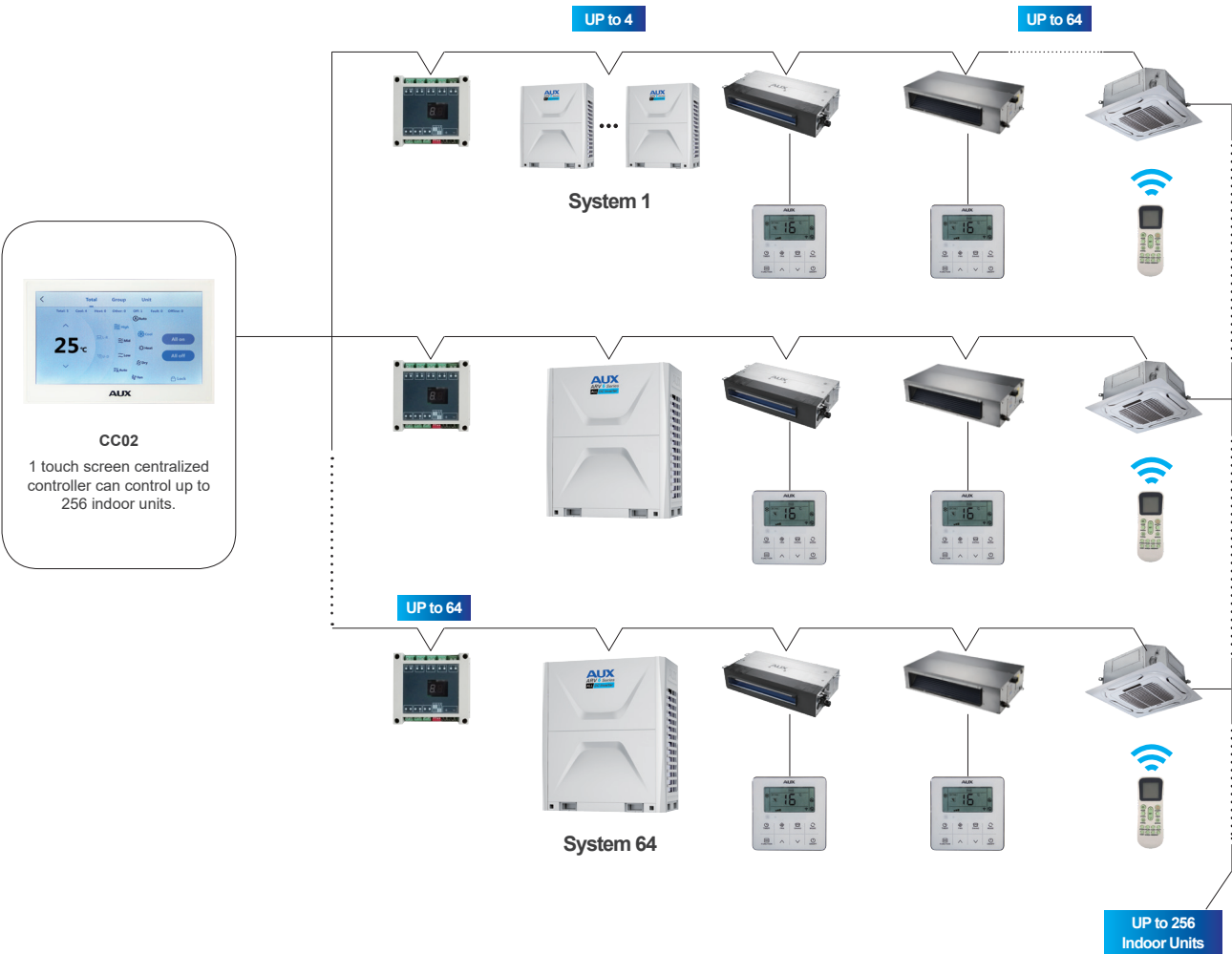
Indoor Units Operation Status Display

Error and protection codes are shown directly on centralized controller's displays, no need to access outdoor unit's PCBs to obtain codes .The building management professionals could inquire a wide range of historical error and protection codes to get the system status information before contacting a service engineer.



Flexible Wiring

The centralized controllers could be connected directly to the master outdoor unit or any indoor unit of each system .so it significantly simply wiring configuration.

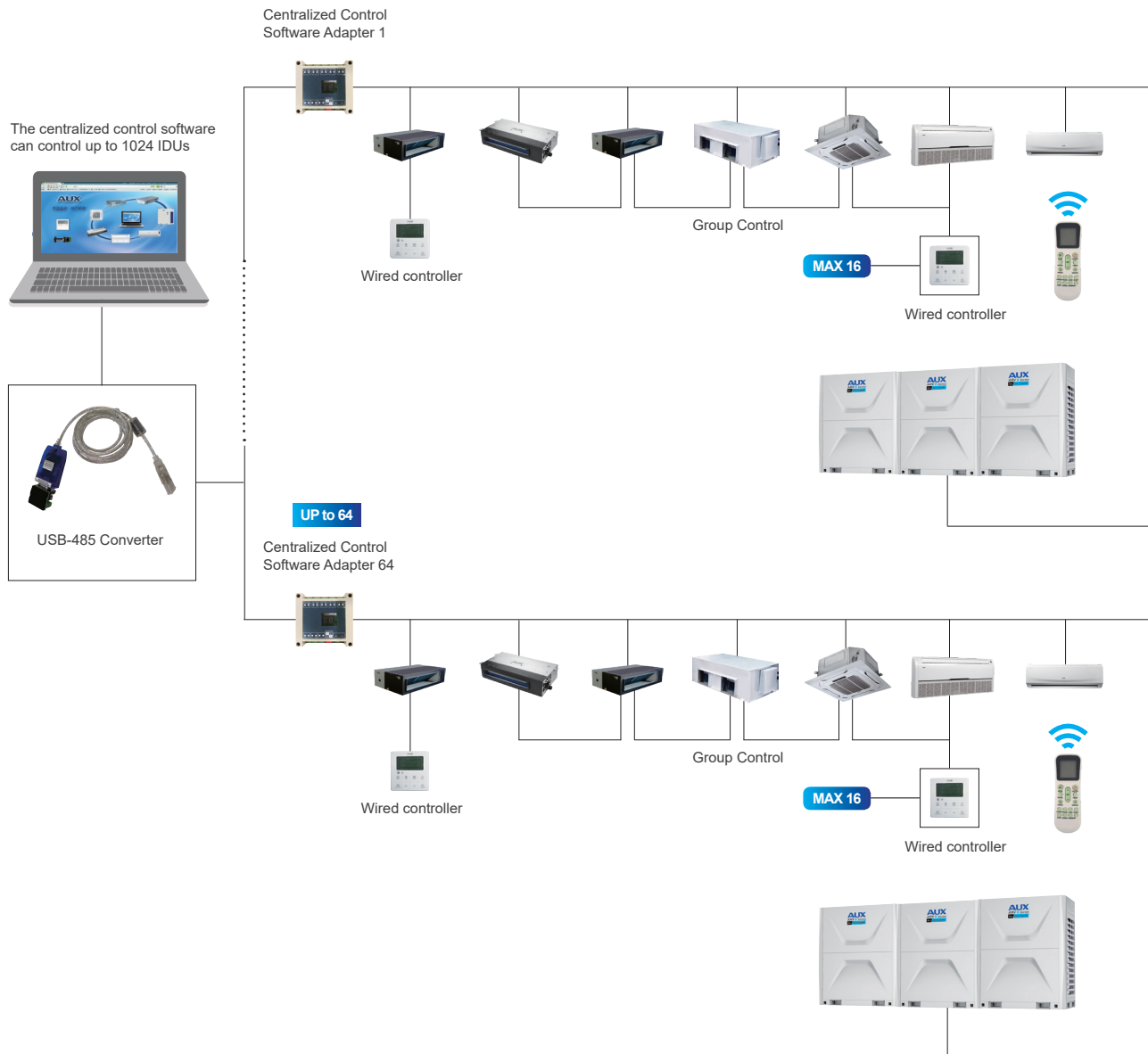


Specifications

Model	CC-02
Dimension(W×H×D) (mm)	176x116x12 (Outside the wall) 120x60x25 (Inside the wall)
Power supply	AC 180-240V (50/60Hz)

Centralized Control Software

System Overview



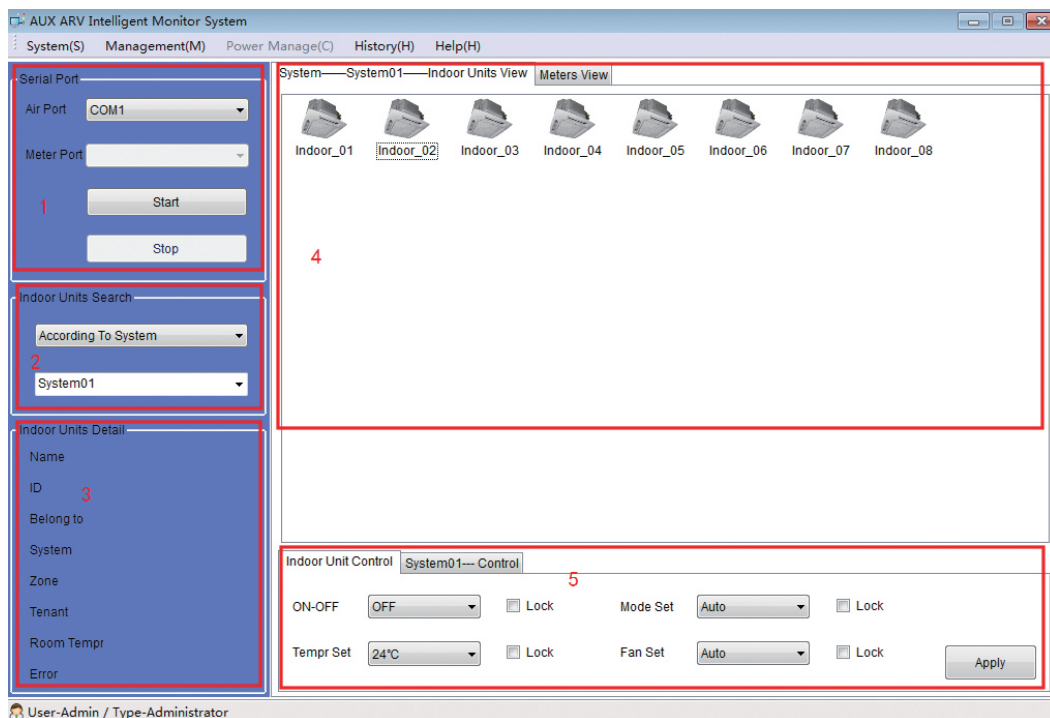
System Overview

Users do not need to go to the harsh environment of the site, they can monitor the function of units just through computer. This greatly improves convenience of daily management and the efficiency of central air conditioners; Timely find the fault and save the maintenance cost of air conditioner units, minimize losses ; Timer function with multi-period week, fully automated schedule planning of unit; The centralized control software can access at most 64 ARV systems, Total 1024 IDUs.

Main Components Of Centralized Control System

No	Main Components	Requirement & Function
1	Host Computer 	Operation system: Windows XP SP2 and above, Windows 7
2	Communications adapter plate 	Computer and communication protocol and unit end communication protocol are incompatible with each other, must add communication adapter plate to make both communicate. Each ARV system matches 1 adapter plate.
3	RS-232 to RS-485/422 converter 	The centralized control system RS485 network signal conversion for RS232 serial signal to achieve the interconnection of computers with centralized control system.
	USB to RS-485/422 converter 	The centralized control system RS485 network signal conversion for USB to achieve the interconnection of laptops with centralized control system.
4	RS-485/422 Repeater 	Extend the communication distance and increase the number of RS-485 bus network. The repeater is not required, only when there is more than 30 systems or communication distance is more than 800 meters.

Software Introduction Main Interface



Area 1 -- Serial setting area, choose the serial and press "Start Working" button, system will in operation, press "Stop Working" button, system will stop working;

Area 2 -- The inquire area for air conditioner unit, it can be divided into the system inquire and user-defined group inquire, the inquired unit will be displayed in area 4.

Area 3 -- Display area of single air conditioner indoor unit, select one of indoor units in area 4, then the area will display the name, ID (address of indoor unit), system belonged, group belonged, current condition, the room temperature of indoor unit, failure etc.

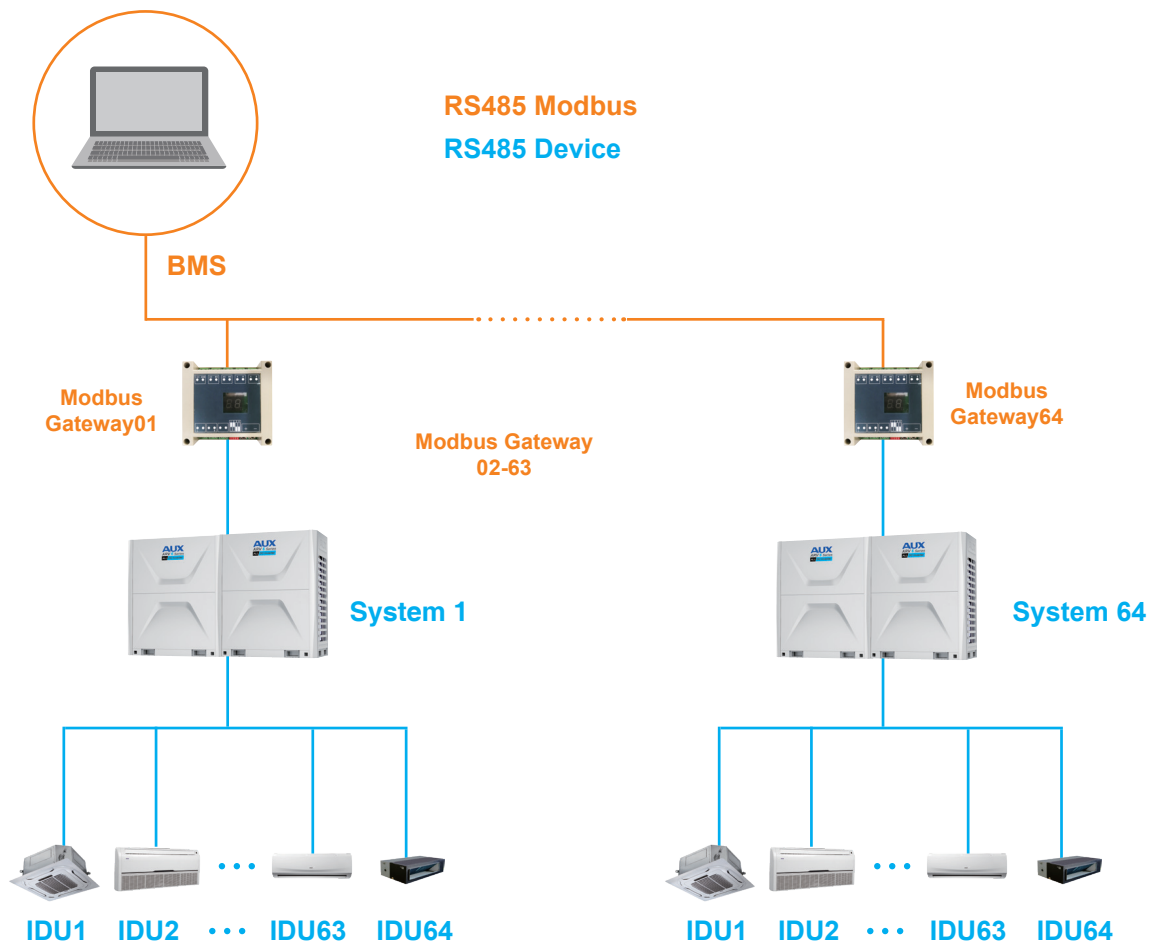
Area 4 -- Display area of air conditioner group, as shown in above picture, it displayed all the indoor units in the group System01.

Area 5 -- Control area of air conditioner, it can control one single air conditioner and some air conditioner group, this will be described in detail later.

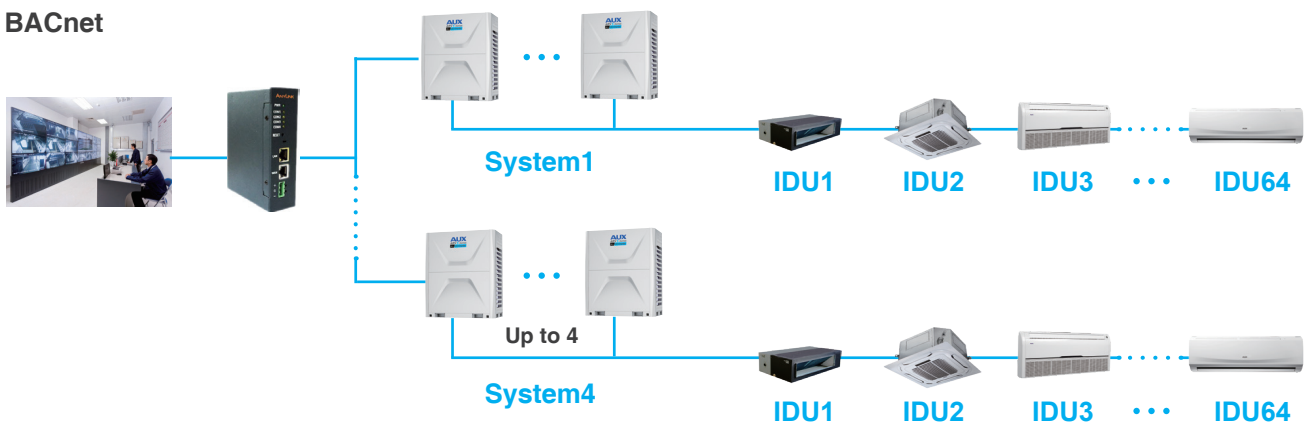
BMS System

Overall Structure

Modbus

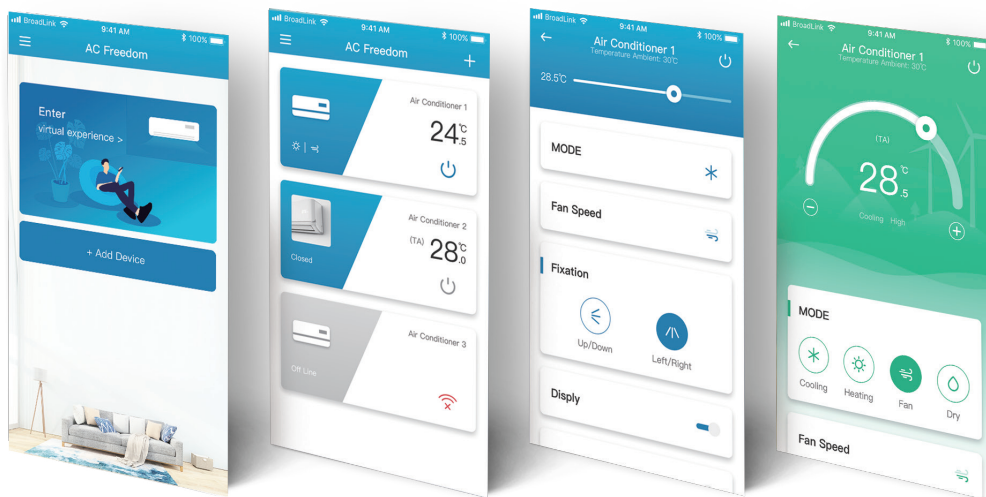
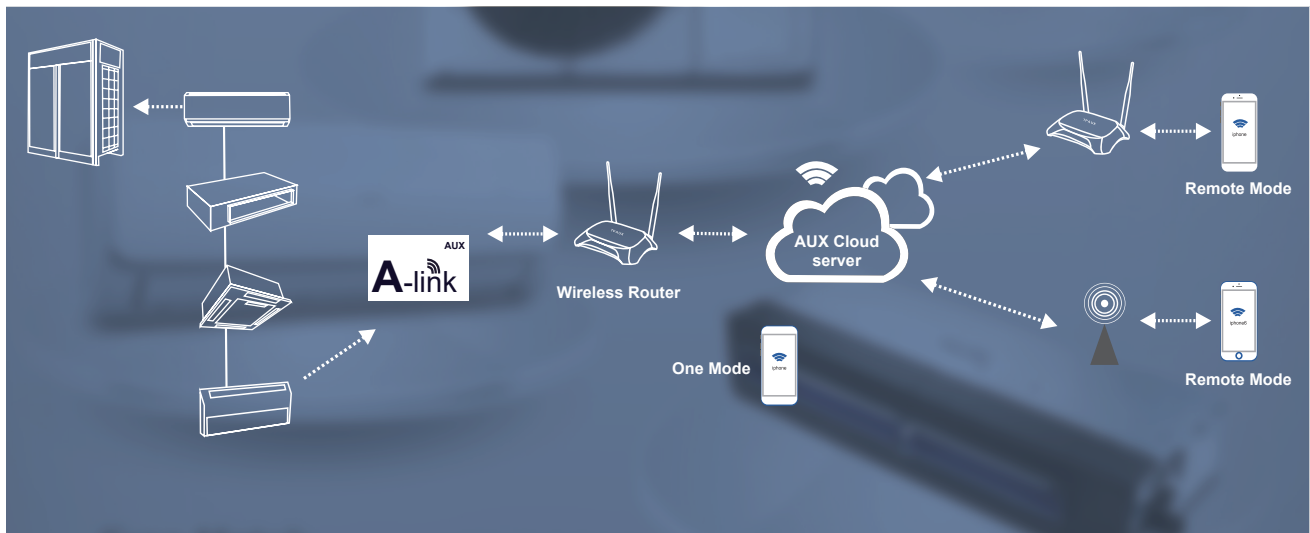


BACnet



Wireless Network Control

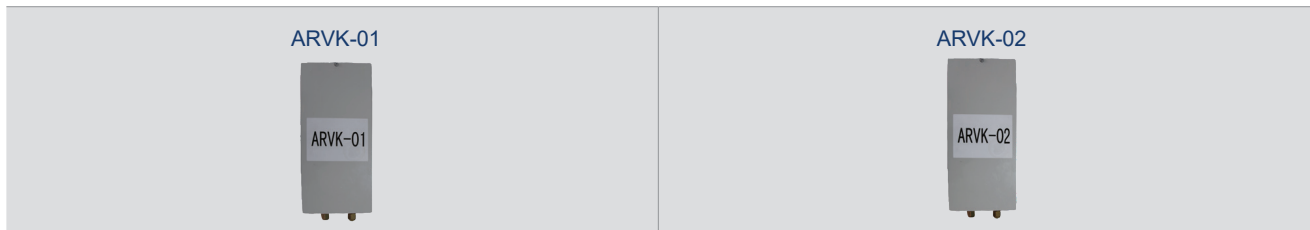
Schematic Diagram



Features

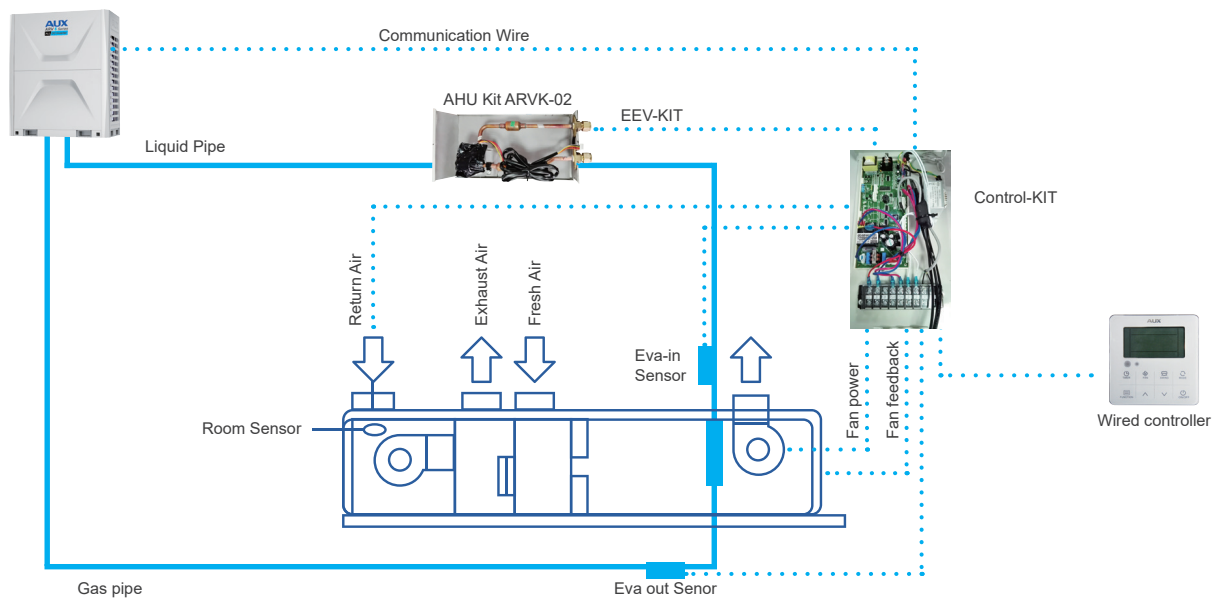
1. AUX air conditioner can connect to intelligent terminal through WIFI or GPRS network, customers can enjoy fun and convenience of remote control the AC via iphone, ipad and other mobile terminals(Android and IOS) at anytime and anywhere.
2. The function of software on Mobile terminal includes mode control, temperature control, swing control, timing control.
3. Customers can set schedule to plan their day, also the scene mode can be set conveniently.

Accessories-AHU Kit

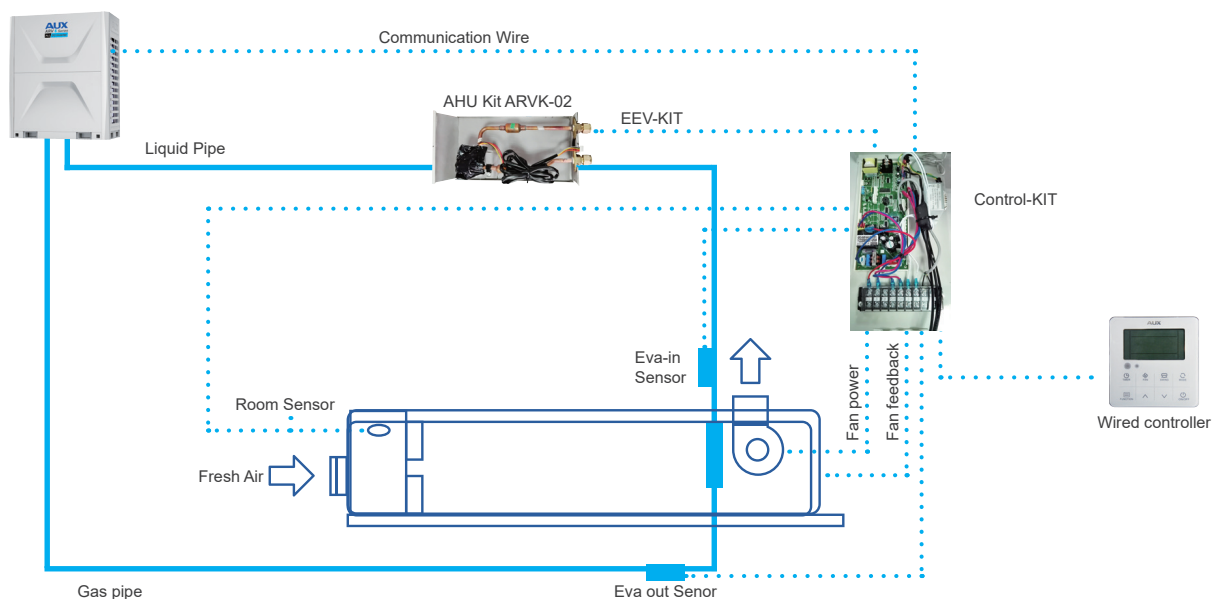


Overall Structure

Partial fresh air system

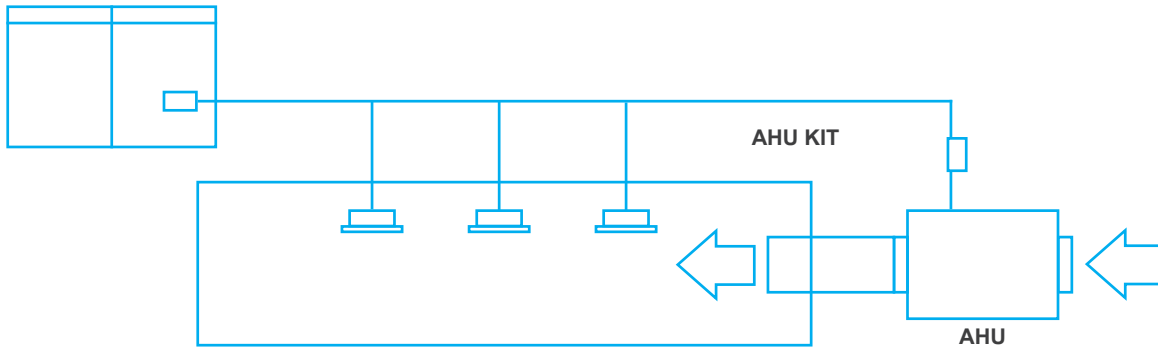


All fresh air system

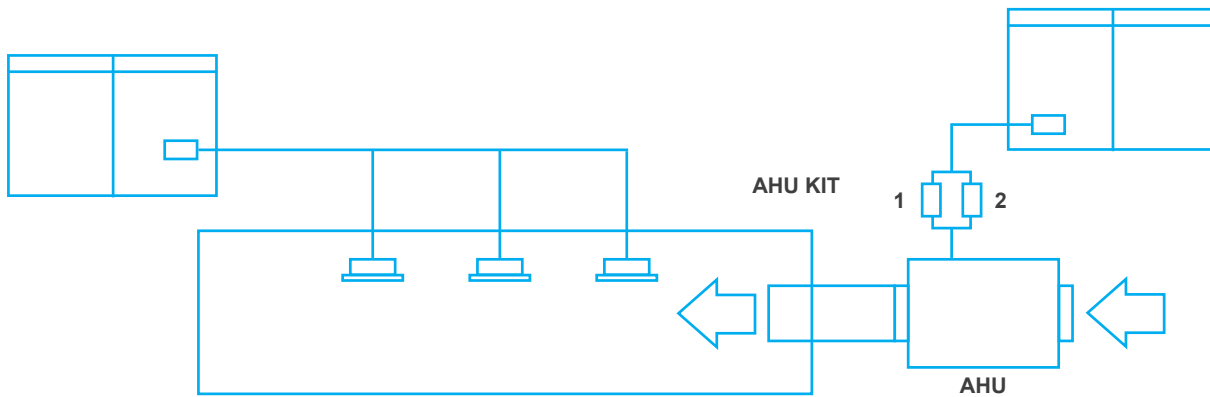


Structure Diagram

Mixed connected with other indoor units



Mixed connected with other indoor units



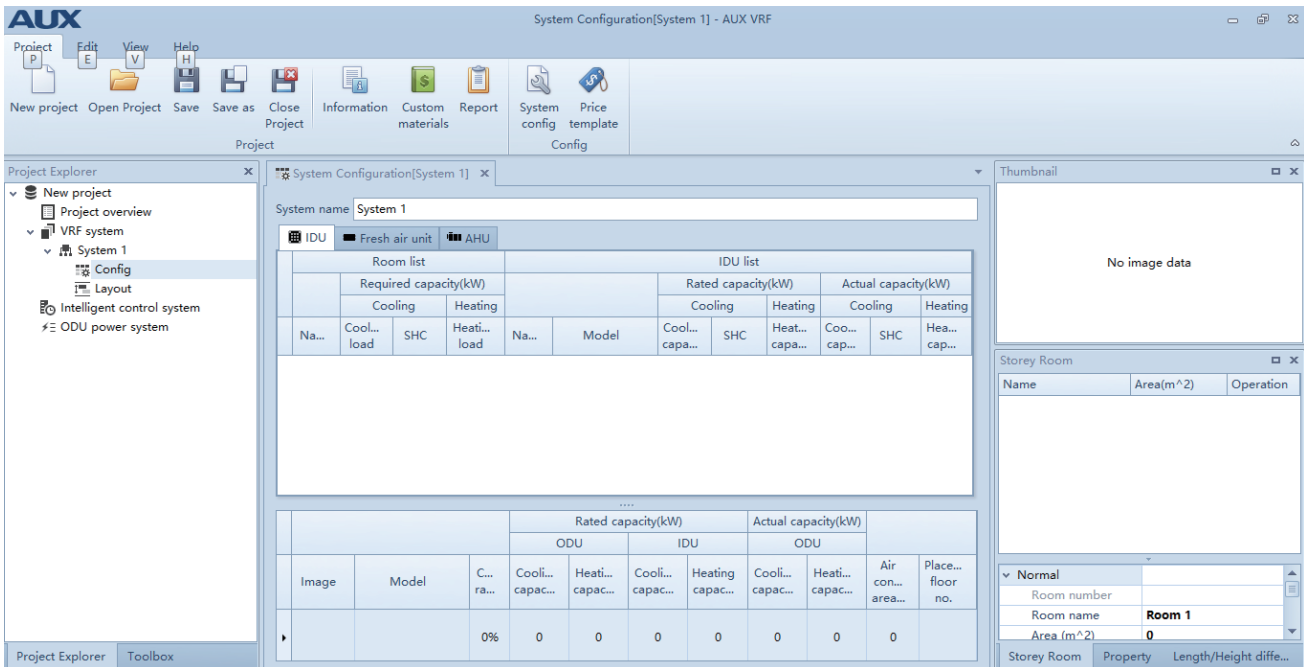
Specifications

AHU Kit Mode	Allowed heat exchanger capacity	Power(V~,Hz,Ph)	Air Flow Volume (m ³ /h)		Weight(kg)		Dimension(W×D×H)(mm)
			Min	Max	Net	Gross	Packing
ARVK-01	≤12HP	220~240,50,1	2500	5000	5.7	7.2	450×430×160
ARVK-02	≤22HP	220~240,50,1	5000	9000	6	7.5	450×430×160

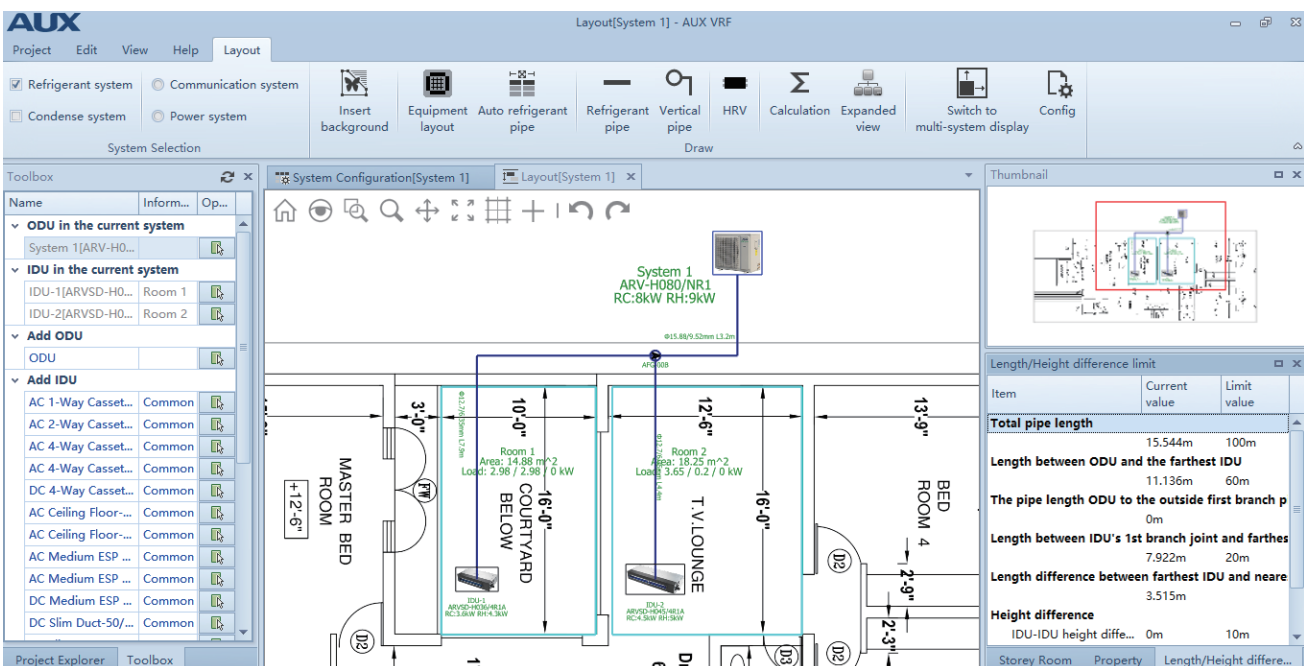
Accessories-Selection Software

To meet the customers' requirements, AUX has developed the advanced selection software. The software provides quick and convenient selectable options for users, supports multiple languages, greatly improves the selection and installation process.

6 Parts Of The ARV Selection



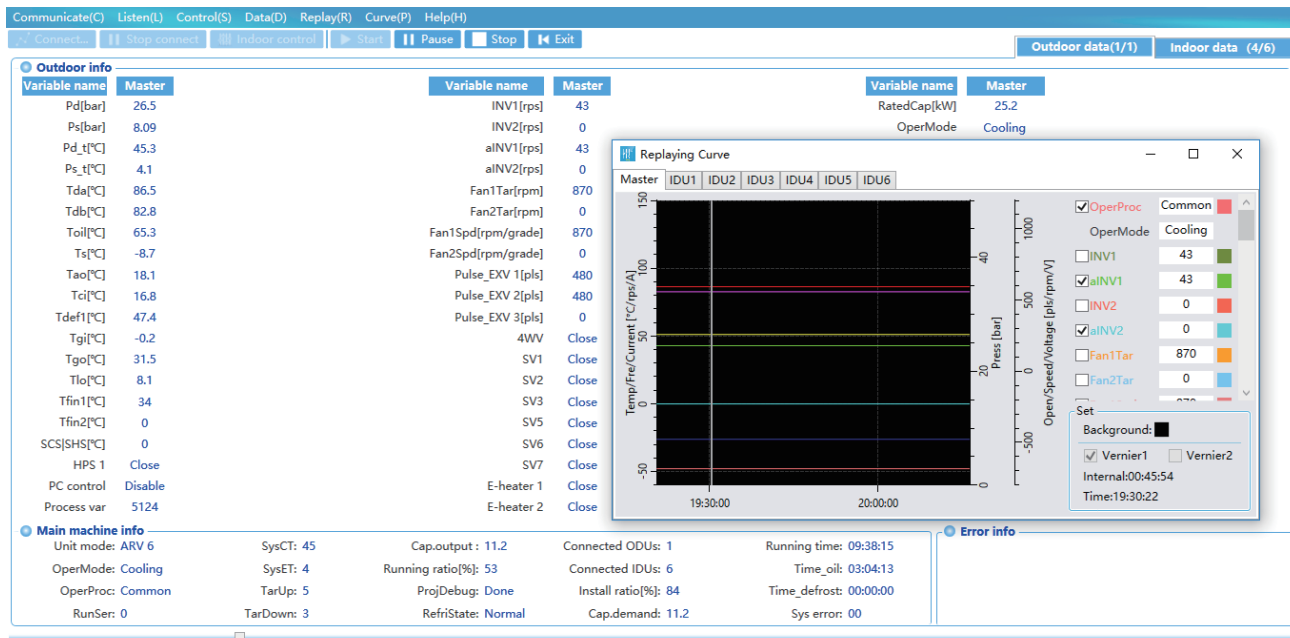
The Result As Below



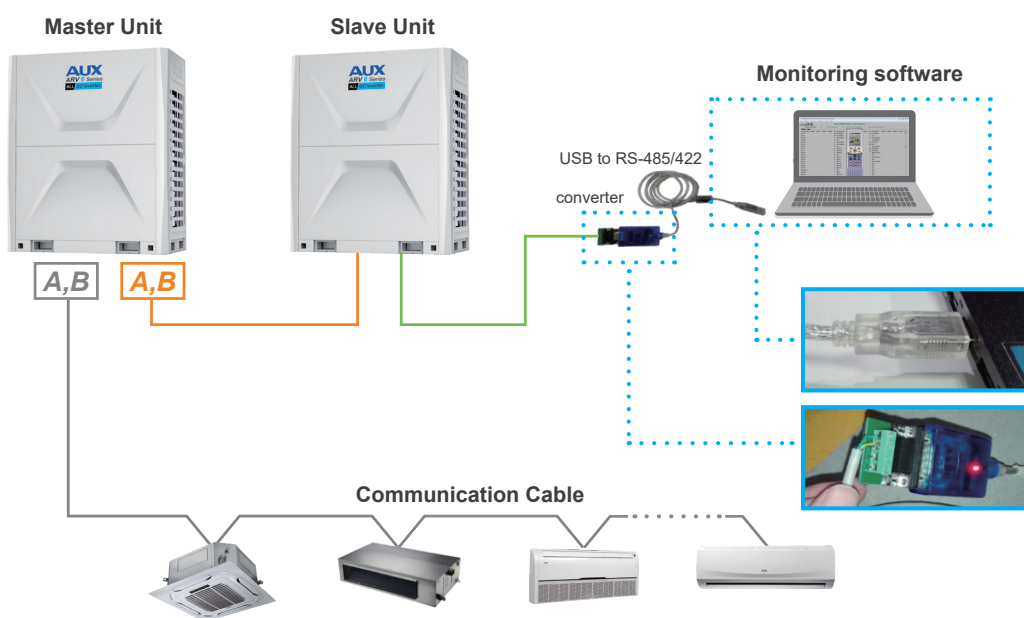
Accessories-Monitoring Software

Self-diagnosis software can be used as remote controller, it is recommended for commissioning. It can monitor the running state of the outdoor and indoor units real time. And display the malfunctions, be convenient to do the commissioning and trouble-shooting work.

Monitoring Software (ARV6)

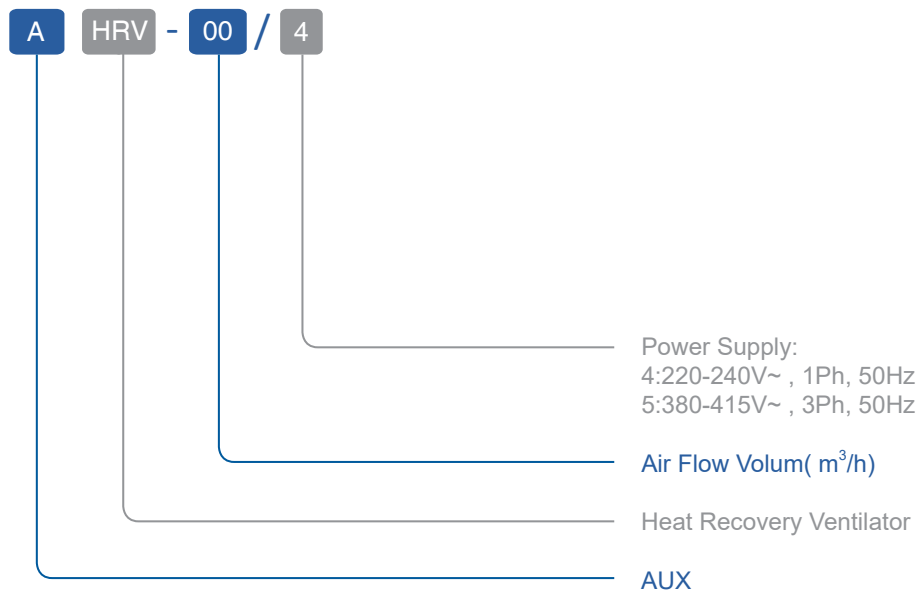


Installation Diagram



HRV-Heat Recovery Ventilator

Nomenclature



FEATURES

■ optional ■ standard



Remote Control



Intelligent Defrosting



Sleep Mode



Fast Cooling/Heating



Anti-Cold-Air



Fresh Air Intake



Wired Control

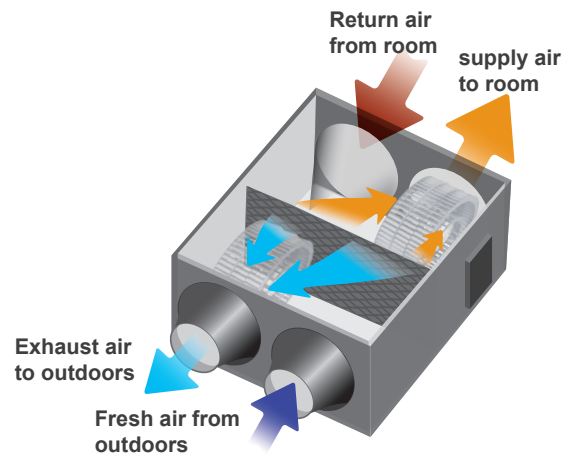


Central Control

HRV-Heat Recovery Ventilator

Adopt Centrifugal Fan With Lower Power Consumption And Longer Air Supply Distance; Easy Control, Friendly Operation.

All units are equipped with 3-speed fan mode, adjusting the air flow rate in accordance with the ceiling height. Innovative centrifugal fan provides larger air volume but lower noise, making the air supply more quietly and smoothly.



Different Modes For Your Choice

Exhausting mode (Hi/Mid/Low fan speed can be chosen)

Air supply mode (Hi/Mid/Low fan speed can be chosen)

By pass mode (Hi/Mid/Low fan speed can be chosen)

In this mode, there is no heat exchanging happened, which is more energy saving.

For example:

If outdoor temperature is lower than indoor, we don't need heat exchanging, but we need fresh air. We can choose by pass mode.

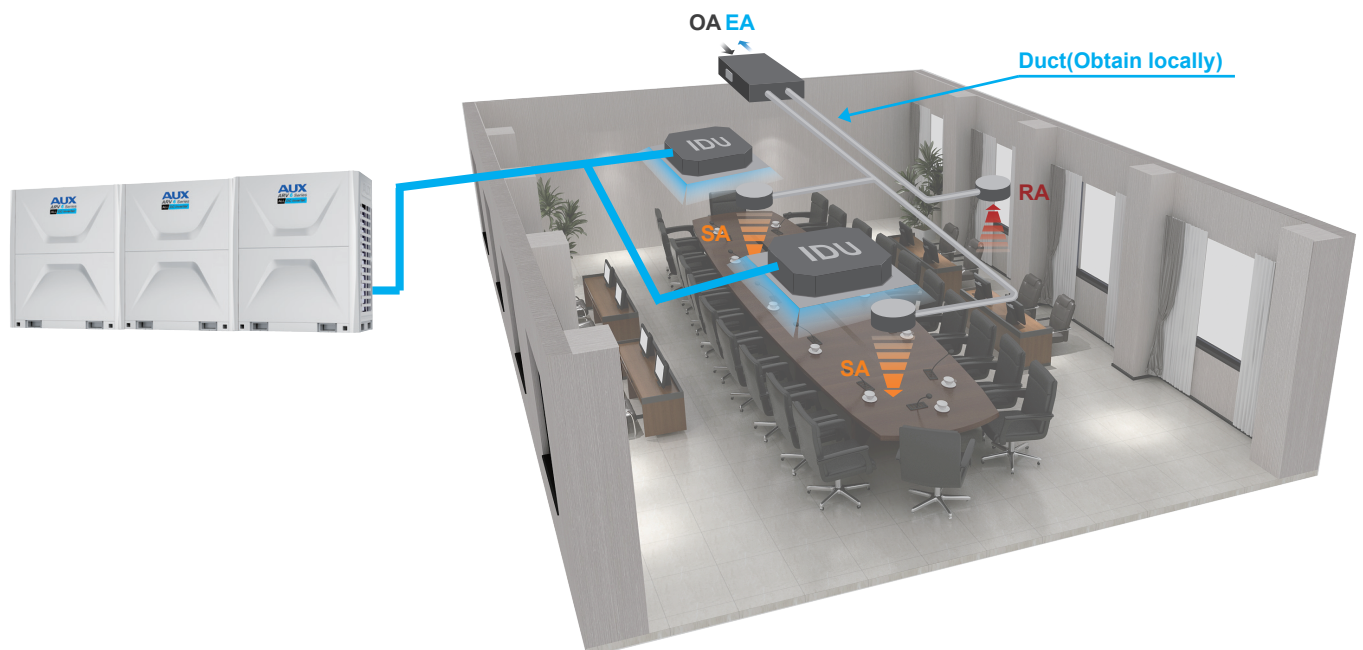
Remark: this mode is only available for HRV-200~1000.

Heat exchanging mode (Hi/Mid/Low fan speed can be chosen)

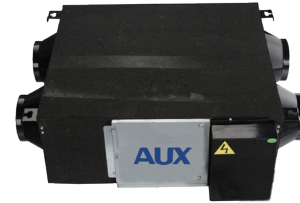
In this mode, supply air flow=exhaust air flow.

Auto mode

In this mode, the unit will run at heat exchange mode or by pass mode judged by outdoor temperature and indoor temperature with low speed air flow.



HRV



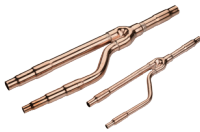
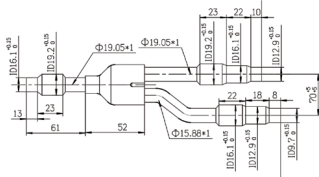
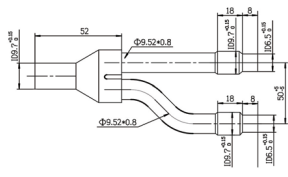
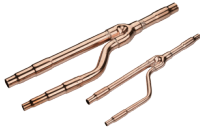
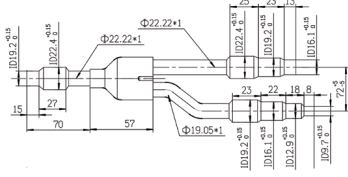
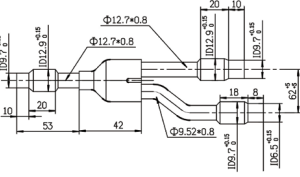
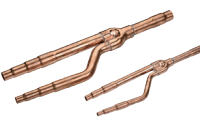
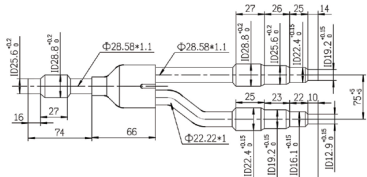
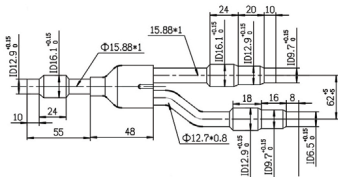
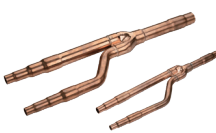
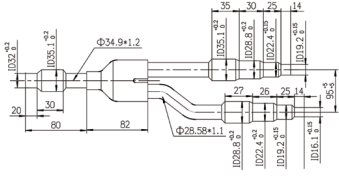
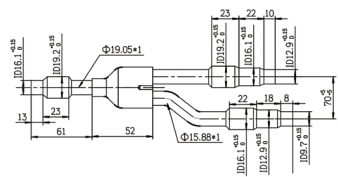
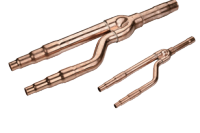
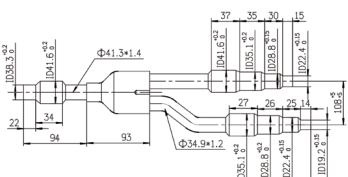
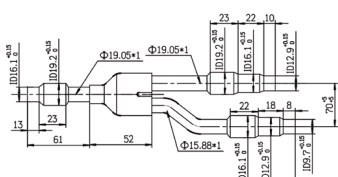
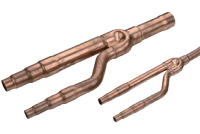
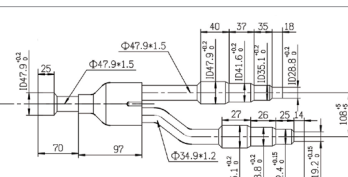
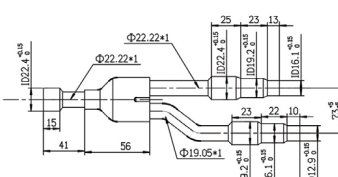
Specification-HRV

Model			AHRV-200/4	AHRV-300/4	AHRV-400/4	AHRV-500/4	AHRV-600/4	AHRV-800/4	AHRV-1000/4
Volume	m ³ /h		200	300	400	500	600	800	1000
	CFM		118	176	235	294	353	471	588
External static pressure		Pa	75	75	100	110	110	120	120
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1
	Power Input	W	65	130	200	220	220	410	510
Cooling	Temp. Efficiency	%	62	63	61	60	63	63	62
	Enthalpy Efficiency	%	56	56	56	54	55	54	52
Heating	Temp. Efficiency	%	72	71.5	71	70	72	71	71
	Enthalpy Efficiency	%	58	56	56	56	62	62	62
Noise Level		dB(A)	34	34.8	36	36	37.5	38.5	41.5
Net Dimension(WxDxH)		mm	660x580x264	744x599x270	744x804x270	828x904x264	824x904x270	1116x884x388	1116x1134x388
Flange		mm	¢ 144	¢ 144	¢ 144	¢ 194	¢ 194	¢ 243	¢ 243
Net Weight		kg	23	27	33	46	48	63	79
Stuffing Quantity 20/40/40H		unit	280/568/710	216/456/513	168/344/387	112/244/280	112/224/252	72/156/156	60/120/120

Specification-HRV

Model			AHRV-1500/5	AHRV-2000/5	AHRV-2500/5	AHRV-3000/5	AHRV-4000/5	AHRV-5000/5
Volume	m ³ /h		1500	2000	2500	3000	4000	5000
	CFM		882	1176	1471	1765	2353	2941
External static pressure		Pa	160	170	180	200	220	240
Electric Data	Power Supply	V~,Hz,Ph	380~415,50,3	380~415,50,3	380~415,50,3	380~415,50,3	380~415,50,3	380~415,50,3
	Power Input	W	1000	1200	2000	2100	2400	3000
Cooling	Temp. Efficiency	%	62	60	62	64	64	64
	Enthalpy Efficiency	%	51	52	50	55	51	55
Heating	Temp. Efficiency	%	70.5	70	70	72	71	72
	Enthalpy Efficiency	%	62	63	63	64	64	65
Noise Level		dB(A)	51	53	55	57	64	64
Net Dimension(WxDxH)		mm	1500×1200×540	1500×1200×540	1500×1200×540	1500×1200×540	1620×1330×990	1620×1330×990
Flange		mm	320x300	320x300	320x300	320x300	323x253	500x690
Net Weight		kg	173	186	200	270	300	320
Stuffing Quantity 20/40/40H		unit	20/40/40	20/40/40	20/40/40	20/40/40	8/18/18	8/18/18

Branch Pipe

Model	Appearance	Dimension	
		Gas side joints	Liquid side joints
AFG-00B			
AFG-12B			
AFG-24B			
AFG-34B			
AFG-50B			
AFG-64B			

Model	Packing Dimension(mm)	Net Weight/Gross Weight(kg)	Description
AFG-00B	300x95x40	0.31/0.35	A* < 8HP
AFG-12B	330x100x40	0.44/0.49	8HP≤A*≤12HP
AFG-24B	370x115x45	0.71/0.77	12HP < A*≤24HP
AFG-34B	440x140x50	1.11/1.20	24HP < A*≤34HP
AFG-50B	480x160x65	1.65/1.76	34HP < A*≤50HP
AFG-64B	480x160x65	1.88/1.98	50HP < A*≤88HP

A*: The total capacity of indoor units which is connected to this branch joint

Project Reference



CTTI Building

Country:	Pakistan
City:	Islamabad
Capacity	1648KW
Equipment:	DC Inverter VRF(ARV6)
Date:	08-2018



Izumi Office building

Country:	Burma
City:	Yangon
Capacity	150KW
Equipment:	DC Inverter VRF(ARV6)
Date:	03-2019



Solar rays building

Country:	Burma
City:	Yangon
Capacity	210KW
Equipment:	DC Inverter VRF(ARV6)
Date:	08-2018



Mr Bricolage

Country:	Cyprus
City:	Nicosia
Capacity	480KW
Equipment:	DC Inverter VRF(ARV6)
Date:	07-2017

Project Reference



Chrystalla Hotel

Country:	Cyprus
City:	Nicosia
Capacity	180KW
Equipment:	DC Inverter VRF(ARV6)
Date:	



GEM MALL

Country:	Mongolia
City:	Ulan Bator
Capacity	650KW
Equipment:	ARV Individual
Date:	06-2018



Mosul University

Country:	Iraq
City:	Mosul
Capacity	3780KW
Equipment:	DC Inverter VRF(ARV6)
Date:	06-2019



ACTOR STUDIO

Country:	Italy
City:	Barry
Capacity	585KW
Equipment:	DC Inverter VRF(ARV6)
Date:	01-2019

Project Reference

	<table><tr><th colspan="2">Yousaf Plaza Shopping Mall</th></tr><tr><td>Country:</td><td>Pakistan</td></tr><tr><td>City:</td><td>Sialkot</td></tr><tr><td>Capacity</td><td>2940kW</td></tr><tr><td>Equipment:</td><td>DC Inverter VRF (ARV Individual)</td></tr><tr><td>Date:</td><td>09-2017</td></tr></table>	Yousaf Plaza Shopping Mall		Country:	Pakistan	City:	Sialkot	Capacity	2940kW	Equipment:	DC Inverter VRF (ARV Individual)	Date:	09-2017
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Capacity	2940kW												
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Date:	09-2017												
	<table><tr><th colspan="2">Hawari Jwani</th></tr><tr><td>Country:</td><td>Iraq</td></tr><tr><td>City:</td><td>Sulaymaniya</td></tr><tr><td>Capacity</td><td>2384KW</td></tr><tr><td>Equipment:</td><td>DC Inverter VRF(Mini ARV)</td></tr><tr><td>Date:</td><td>09-2017</td></tr></table>	Hawari Jwani		Country:	Iraq	City:	Sulaymaniya	Capacity	2384KW	Equipment:	DC Inverter VRF(Mini ARV)	Date:	09-2017
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Country:	Iraq												
City:	Sulaymaniya												
Capacity	2384KW												
Equipment:	DC Inverter VRF(Mini ARV)												
Date:	09-2017												
	<table><tr><th colspan="2">Crown Project</th></tr><tr><td>Country:</td><td>Bangladesh</td></tr><tr><td>City:</td><td>Dhaka</td></tr><tr><td>Capacity</td><td>1715kW</td></tr><tr><td>Equipment:</td><td>DC Inverter VRF (ARV Individual)</td></tr><tr><td>Date:</td><td>04-2017</td></tr></table>	Crown Project		Country:	Bangladesh	City:	Dhaka	Capacity	1715kW	Equipment:	DC Inverter VRF (ARV Individual)	Date:	04-2017
Crown Project													
Country:	Bangladesh												
City:	Dhaka												
Capacity	1715kW												
Equipment:	DC Inverter VRF (ARV Individual)												
Date:	04-2017												

AUX



2020

MODULAR CHILLER & FCU



GROUP PROFILE

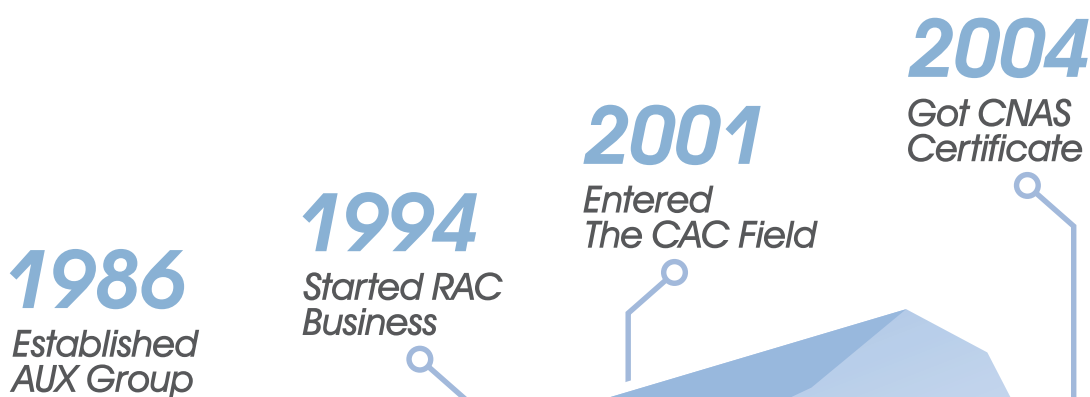
Established in 1986, AUX Group is an enterprise group which covers several industries: home appliances, electrical equipment, medical service, real estate and financial investment. For many years it ranked China's top 500 enterprises.

In 2018, the group sales reached RMB 86 billion, with total assets of RMB 56.6 billion, It has over 30,000 employees, and 10 manufacturing bases in Ningbo(3), Nanchang, Tianjin, Ma'an Shan, Zhengzhou(under construction), Brazil, Indonesia and Thailand(under construction), 5 R&D centers. AUX is a leading producer of Smart Meter and Power Box in its sector, and has also ranked No.3 in the Air-Conditioning industry. Currently, it has 19 medical institutions in operation or under construction.

It owns 2 listed companies (601567.SH, 02080.HK). As a National-Recognized Enterprise Technology Center, a Technology Innovation Model Enterprise and a National Post-doctoral Workstation, it owns two globally famous brands: AUX and Sanxing, which worth over RMB 25 billion.

When AUX is working on its development, it also cares about performing its social responsibilities. In the past years, it has donated RMB 279 million in total to various public programs, such as the field of targeted poverty alleviation, education, disaster relief and environment protection.

In the new era, aiming to become a world-class enterprise, AUX will keep carrying out the mission of "Creating an intelligent living environment and Cultivating great talents", and work hard to achieve the strategic goal of "100 billion market value, 100 billion sales and 10 billion profits".



2019

*Launched All DC Inverter
ARV 6 Globally*

2016

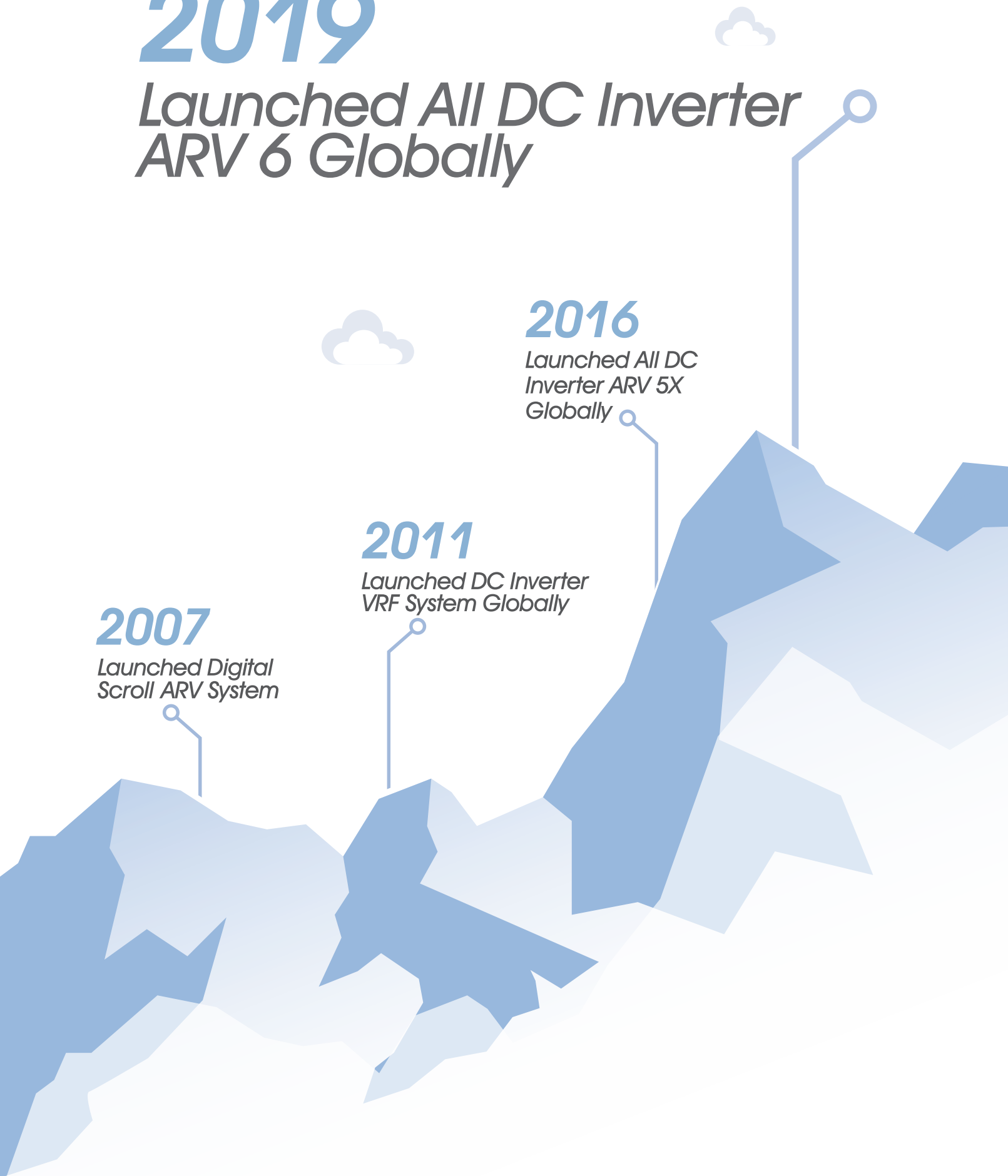
*Launched All DC
Inverter ARV 5X
Globally*

2011

*Launched DC Inverter
VRF System Globally*

2007

*Launched Digital
Scroll ARV System*



Health



Fresh Air Intake

Air outside can be led into the room via a connection pipe, which keeps the indoor air fresh and healthy.



Long-term Filter

The latest long-term filter ensures better air quality. Meanwhile, the cleaning frequency has been decreased, and maintenance is also much easier.



Self-Cleaning

Indoor unit will continue running with special combined mode to blow and dry indoor evaporator after the unit switch off so as to keep clean and healthy.

Comfort



Anti-Cold-Air

When starting the heating operation, the fan speed is regulated automatically from the lowest speed to the preset level. This function can prevent cold air from blowing out at the beginning of the operation, which avoids the discomfort to the user.



Follow Me

Temperature sensor built in the remote control will sense its surrounding temperature, so the unit can achieve accurate and comfortable temperature control just like the air conditioner is following you.



Fast Cooling /Heating

Startup at high frequency increases cooling/heating capacity and reduces time to reach set temperature, thus you can enjoy cooling and heating in seconds.



Auto swing

Distributes cool/warm air to maximum area by moving horizontal and vertical fags automatically.



Independent Dehumidification

With the independent dehumidification function, the unit can efficiently dehumidify the room and give you more comfort.



3D Air Flow

Combine vertical and horizontal auto swing to ensure an even distribution of air flow throughout the room.



Dimmer

Press this button to shut off the display light on the front panel.



Silent

Indoor fan will run at super breeze speed and indoor noise level can be extremely low when the unit enters silent mode operation.

Reliability



Self-diagnosis Function

Once abnormal operation or parts failure happen, the unit will monitor the failures, the microcomputer of air conditioner will switch off and protect the system automatically when it happens. Meanwhile, the error or protection code will be displayed on the indoor unit.



Low Ambient Cooling

With special designed PCB, outdoor fan speed can be changed automatically according to condensation temperature. The air conditioner can run cooling operation even when the outdoor ambient temperature down to -15°C.



Intelligent Defrosting

Normal defrost function can only be operated in certain time, but AUX commercial air conditioner's intelligent defrost can start automatically according to the surrounding condition.



Compressor Heating Belt

Auxiliary heating belt can increase compressor oil temperature in winter and prevent defrosting water accumulated, which improves heat transfer efficiency.



No Frosting Chassis

The unique pipeline design makes the temperature on chassis higher than normal units, and it prevents defrosting water accumulated, which improves heat transfer efficiency and solves the drainage problem.



Golden Fin

Effectively prevent bacteria breeding and improve heat transfer efficiency. The unique anti-corrosive golden coating on the condenser can withstand the rain, salty air and other corrosive elements.



Fire-proof Electric Box

Electrical control box adopts new design, which can meet the higher fire safety requirement to prevent the internal fire due to the electric spark accident.

Energy Saving



180° Sine Wave Control

With considerable advantages, DC Inverter 180° sine wave driving technology has much wider range of frequency and voltage, higher energy efficiency, more smooth running and lower noise.



Sleep Mode

The function enables the air conditioner to automatically increase cooling or decrease heating 1°C per hour for the first 2 hours, then holds steady for the next 5 hours, after that it will switch off. This function maintains both energy saving and comfort in night.



Hydrophilic aluminum fin

The louvered hydrophilic aluminum foil has improved by more than 10%. There refrigerant inlet and outlet are separated, to ensure the sub-cooling and enhance the cooling capacity.



Full Process By DC Drive

DC control, DC Compressor, DC indoor motor, DC outdoor motor, and DC Electronic expansion valve make low noise and high efficiency.

Convenience



24-hour Timer

Users can turn on or turn off the air conditioner at any time in 24 hours with remote controller or wireless controller.



Built-in Drain Pump

The built-in pump can lift the condensing water 1200 mm upmost from the drainage pan.



Dual side Drainage

Both left and right sides of the indoor unit are possible for drainage hose connection, and it's easy for installation with this function.



Digital Tube Display

Easily for the running parameters checking and more convenient for troubleshooting, digital tube displays work status such as indoor temperature, setting temperature, the mode of operation, etc.



Remote Control

Help users to control the air conditioner easily, you can design your most comfortable settings with this controller.



Wired Control

Help users to control the air conditioner easily, the wired controller can be fixed on the wall and avoid mislaying. It's mainly used for commercial zone and makes air conditioner control more convenient.



Central Control

With the control function of weekly timer, zone (or group) setting etc., the centralized controller can control 64 units with RS 485 wire connection and the central control adapter.



Washable Filter

The indoor unit filter can be taken off to wash easily and it keeps cleaning air all the time.

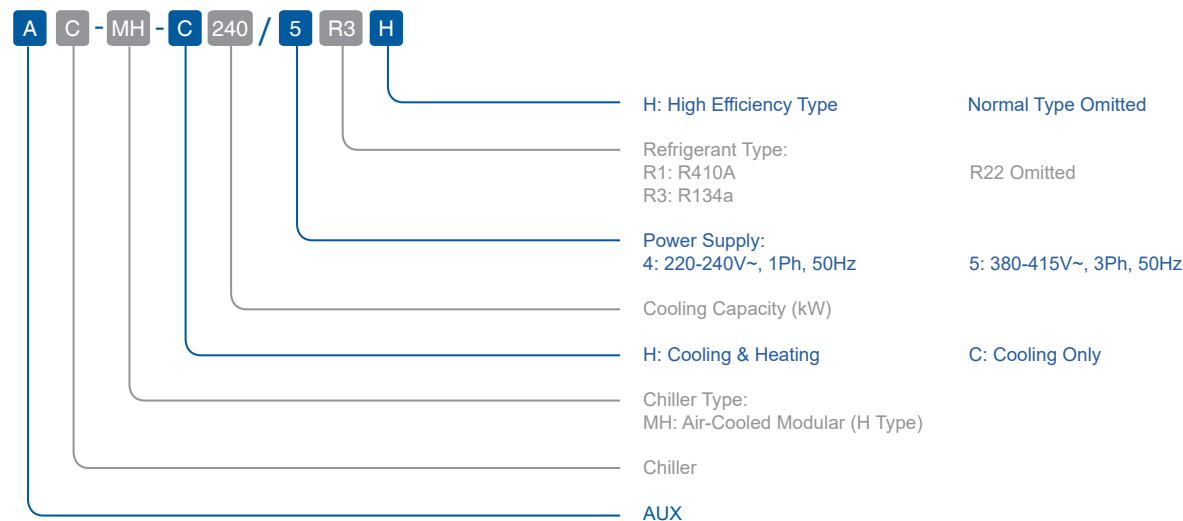


Auto Restart Function

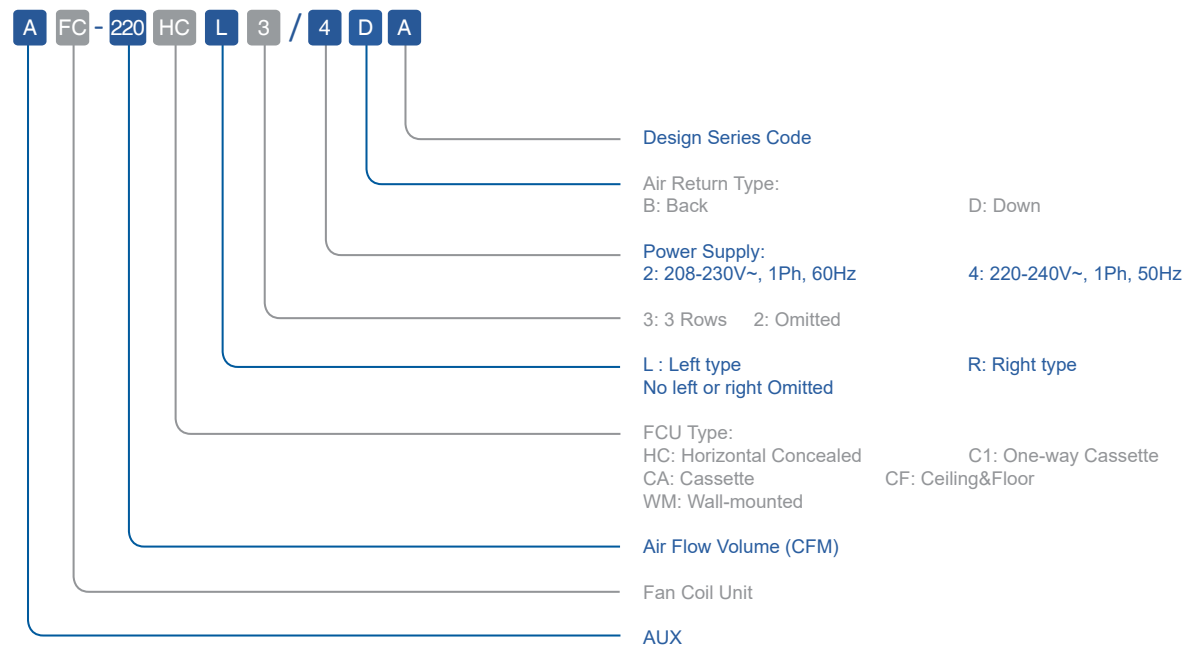
If the air conditioner breaks off unexpectedly due to the power cut, it will restart with the previous setting mode automatically when the power resume.

Nomenclature

Chiller



FCU



Product Lineup

Modular Chiller



H Type
65/130kW



H Type
30kW

FCU	Appearance	Type	200CFM	300CFM	400CFM	500CFM	600CFM	800CFM	1000CFM	1200CFM	1400CFM	Page
One-way Cassette		50HZ	●	●	●	●						12
Cassette		50HZ		●	●	●	●	●	●	●	●	15
Ceiling&Floor		50HZ			●	●	●	●	●			18
Horizontal Concealed		50HZ (A6 Series)	●	●	●	●	●	●	●	●	●	21
		50HZ (A6M Series)	●	●	●	●	●	●	●	●	●	21
Wall-mounted		50HZ	●	●	●	●	●	●				25
		60HZ	●	●	●	●	●	●				25

H Type Modular Chiller

Modular Chiller



H Type Modular Chiller

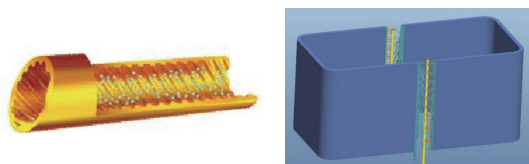


XK-02D



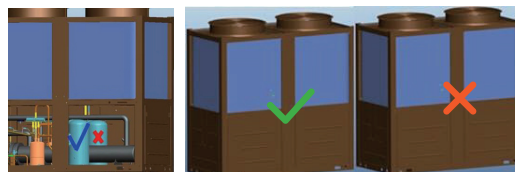
High Efficient Round Heat Exchanger

We selected high slimmer inner grooved copper tube in the modular chiller, which has improved more than 10% heat exchanging efficiency than the normal one.



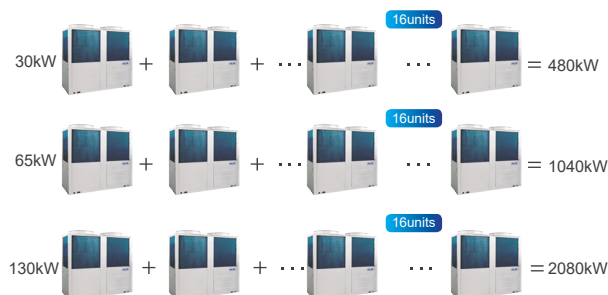
Back-Up Running

As one of outdoor units breaks down, the rest of outdoor units in the same refrigerant system can turn to operation urgently.



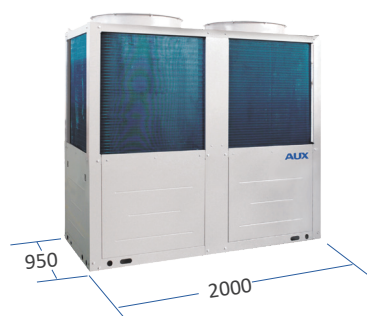
Modular Design

Any modular can be the main module in one combination. Different standard models can be flexibly combined together depend on users' requirement, and the maximum number of combinations system can reach 16.

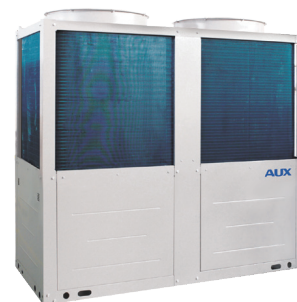


Compact Design

H type design takes less space.



H Type Modular Chiller



Specification-R410A 50Hz

Model name	Outdoor		ACMH-H30/5R1B	ACMH-H65/5R1A	ACMH-H65/5R1B	ACMH-H130/5R1A
Capacity	Cooling/Heating	Btu/h	100000/110000	222000/242000	222000/242000	443600/484500
		kW	30/33	65/71	65/71	130/142
Electric Data	Power Supply	V~,Hz,Ph	380~415,50,3	380~415,50,3	380~415,50,3	380~415,50,3
	Cooling/Heating Power Input	kW	9.40/10	19.2/21.5	19.2/21.5	38.4/40.5
	Cooling/Heating Current	A	17.7/18.0	36.3/38.9	36.3/38.9	72.6/73.3
Compressor	Type		Rotary	Hermetic Scroll	Rotary	Hermetic Scroll
	Quantity	Pieces	2	2	4	2
Refrigerant Type			R410a	R410A	R410A	R410A
Air Side Heat Exchanger	Type		High efficiency heat transfer tube series aluminum fin	High efficiency heat transfer tube series aluminum fin	High efficiency heat transfer tube series aluminum fin	High efficiency heat transfer tube series aluminum fin
	Fan Quantity	Pieces	1	2	2	2
	Air Flow Volume	m ³ /h	13500	13500×2	13500×2	27000×2
Water Side Heat Exchanger	Type		High-efficiency tube in tube heat exchanger	High-efficiency shell and tube heat exchanger	High-efficiency shell and tube heat exchanger	High-efficiency shell and tube heat exchanger
	Water Resistance	kPa	45	45	45	55
	Water Flow Volume	m ³ /h	5.2	11.2	11.2	22.4
	Max. Pressure	MPa	1	1	1	1
Dimension (W×D×H)	Net	mm	1000×950×1880	2000×950×1880	2000×950×1880	2200×1100×2270
	Packing	mm	1050×1000×1980	2050×1000×1980	2050×1000×1980	2250×1150×2370
Weight	Net/Gross	kg	310/325	580/595	625/640	945/965
Inlet/Outlet Water Pipe		mm	DN32	DN50	DN50	DN65
Noise		dB(A)	≤65	≤65	≤65	≤68
Safety Protection			High-efficiency shell and tube heat exchanger High/low pressure protection, lack/reverse phase protection, water lack protection, water flow protection, anti-freezing protection, etc.			

Note:

All the above data is tested base on the following working condition:

1. Rated cooling working condition: water flow 0.172 m³/(h·kW), chilled water inlet/outlet temperature 12°C/7°C, ambient temperature 35°C;

2. Rated heating working condition: water flow 0.172 m³/(h·kW), hot water inlet/outlet temperature 40°C/45°C, ambient temperature 7°C, WB temperature 6°C;

3. Keep 1m away from the chiller front and 1.5m high when detecting noise level, environmental noise is lower than 30db(A);

As a part of continuous product improvement, we reserves the right to change specifications without notice.

Cooling Capacity, Power Under Different Ambient and Water Outlet Temperature

ACMH-H30/5R1B Cooling capacity and power in cooling mode

Chilled water outlet temperature (°C)	Ambient Temperature(°C)											
	25		30		35		40		47		49	
	Cooling capacity kW	Power consumption kW	Cooling capacity kW	Power consumption kW	Cooling capacity kW	Power consumption kW	Cooling capacity kW	Power consumption kW	Cooling capacity kW	Power consumption kW	Cooling capacity kW	Power consumption kW
5	33.68	8.35	31.62	8.61	29.19	8.73	28.36	10.53	27.01	11.52	26.74	11.63
7	34.95	8.44	33.41	9.14	30	9.4	29.92	10.69	28.5	11.7	28.22	11.82
10	37.13	8.54	35.46	9.21	33.38	10.37	31.64	10.81	30.13	11.83	29.83	11.94
13	38.43	8.63	36.4	9.35	34.66	10.67	33.07	10.92	31.49	11.95	31.18	12.06

ACMH-H65/5R1* Cooling capacity and power in cooling mode

Chilled water outlet temperature (°C)	Ambient Temperature(°C)											
	25		30		35		40		47		49	
	Cooling capacity kW	Power consumption kW	Cooling capacity kW	Power consumption kW	Cooling capacity kW	Power consumption kW	Cooling capacity kW	Power consumption kW	Cooling capacity kW	Power consumption kW	Cooling capacity kW	Power consumption kW
5	66.53	15.42	63.18	16.8	60	18.32	56.98	19.97	54.11	21.76	53.29	22.27
7	69.85	15.57	66.34	16.97	65	19.2	59.83	20.37	56.82	21.98	56.14	22.66
10	73.35	15.73	69.66	17.14	66.15	19.84	62.82	20.49	59.66	22.53	59.13	22.78
13	77.02	15.88	73.14	17.31	69.46	20.02	65.96	20.75	62.64	22.82	58.95	23.06

ACMH-H130/5R1A Cooling capacity and power in cooling mode

Chilled water outlet temperature (°C)	Ambient Temperature(°C)											
	25		30		35		40		47		49	
	Cooling capacity kW	Power consumption kW	Cooling capacity kW	Power consumption kW	Cooling capacity kW	Power consumption kW	Cooling capacity kW	Power consumption kW	Cooling capacity kW	Power consumption kW	Cooling capacity kW	Power consumption kW
5	133.06	30.83	126.36	33.61	123	36.63	113.96	39.93	108.22	43.52	106.58	44.01
7	139.71	31.14	132.68	33.94	130	38.4	119.66	40.33	113.64	43.96	112.28	44.95
10	146.7	31.45	139.31	34.28	132.3	38.57	125.64	40.73	119.32	44.4	118.26	45.36
13	154.03	31.77	146.28	34.63	138.92	39.74	131.92	41.14	125.28	44.84	125.54	45.77

Note:

As a part of continuous product improvement, AUX reserves the right to change specifications and design without prior notice. The specification subjects to the nameplate of the chiller

Heating capacity, Power Under Different Ambient and Water Outlet Temperature

ACMH-H30/5R1B Heating capacity and power in heating mode (RH is 90%)

Hot water outlet temperature (°C)	Outdoor DB temperature(°C)									
	-12		-5		0		7		12	
	Heating capacity kW	Power consumption kW	Heating capacity kW	Power consumption kW	Heating capacity kW	Power consumption kW	Heating capacity kW	Power consumption kW	Heating capacity kW	Power consumption kW
35	---	---	22.17	10.41	27.46	10.59	33.5	10.86	39.62	11.04
40	---	---	22.89	9.56	28.28	9.69	33	10	40.75	10.14
45	19.22	8.52	23.73	8.72	29.22	8.9	35.92	9.19	42.01	9.29
50	19.79	7.94	24.36	8.13	30.11	8.19	36.71	8.42	43.28	8.66

ACMH-H65/5R1* Heating capacity and power in heating mode (RH is 90%)

Hot water outlet temperature (°C)	Outdoor DB temperature(°C)									
	-12		-5		0		7		12	
	Heating capacity kW	Power consumption kW	Heating capacity kW	Power consumption kW	Heating capacity kW	Power consumption kW	Heating capacity kW	Power consumption kW	Heating capacity kW	Power consumption kW
35	39.38	17.17	48.62	17.5	60.03	17.84	73.2	18.18	86.38	18.53
40	38.24	18.58	47.2	18.94	58.28	19.3	72.07	19.68	83.86	20.05
45	---	---	45.83	20.5	56.58	20.89	71	21.5	81.42	21.71
50	---	---	44.49	22.19	54.93	22.62	66.99	23.07	79.05	23.51

ACMH-H130/5R1A Heating capacity and power in heating mode (RH is 90%)

Hot water outlet temperature (°C)	Outdoor DB temperature(°C)									
	-12		-5		0		7		12	
	Heating capacity kW	Power consumption kW	Heating capacity kW	Power consumption kW	Heating capacity kW	Power consumption kW	Heating capacity kW	Power consumption kW	Heating capacity kW	Power consumption kW
35	79.34	31.42	97.95	32.08	120.92	33.76	147.47	34.45	174.01	35.14
40	77.03	34.24	95.09	35.96	117.4	36.7	143.17	37.44	168.94	38.19
45	---	---	92.32	37.59	113.98	38.89	140	40.5	164.02	41.51
50	---	---	89.63	40.89	110.66	41.35	134.95	43.24	159.24	45.12

Note:

As a part of continuous product improvement, AUX reserves the right to change specifications and design without prior notice. The specification subjects to the nameplate of the chiller

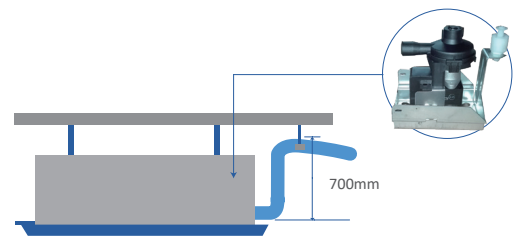


One-way Cassette Fan Coil Unit

One-way Cassette

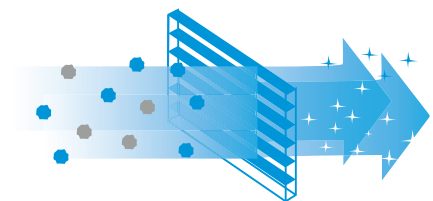


The Built-In Drainage Water Pump Can Lift Condensing Water Up To 700mm High From Drainage Pan.



Special Design With Excellent Heat Insulation Effect To Ensure The Casing Has No Condensation.

Long Term Air Filter: The Wash Period Is Two Times Longer Than Normal Filter And Maintenance Is Free



Fresh Air Inlet Can Intake Outdoor Fresh Air To Improve Indoor Air Quality.





One-way Cassette

Specification-50Hz

Model			AFC-200C1/4	AFC-300C1/4	AFC-400C1/4	AFC-500C1/4
Air Volume(H/M/L)	CFM		200/165/106	300/224/153	400/303/200	500/388/253
		m ³ /h	340/280/180	510/380/260	680/515/340	850/660/430
Cooling Capacity	H/M/L Speed	W	1800/1500/1390	2700/2460/2057	3600/3000/2479	4500/3715/2920
Heating Capacity	H/M/L Speed	W	2700/1950/1290	4050/2770/1774	5400/3935/2800	6750/4900/3505
Noise Level		dB(A)	≤37	≤39	≤41	≤43
Fan Motor	Fan Quantity		1	1	1	1
	Motor Quantity		1	1	1	1
	Power Input	W	37	52	62	76
Water Flow Volume		m ³ /h	0.31	0.46	0.62	0.77
Hydraulic Resistance		kPa	10.8	10.8	20	20
Max.Working pressure		MPa	1.6	1.6	1.6	1.6
Dimension(W×D×H)	Net(Body)	mm	850x400x235	850x400x235	850x400x235	850x400x235
	Packing(Body)	mm	1040x478x310	1040x478x310	1040x478x310	1040x478x310
	Net(Panel)	mm	1040x470x18	1040x470x18	1040x470x18	1040x470x18
	Packing(Panel)	mm	1055x515x175	1055x515x175	1055x515x175	1055x515x175
Weight	Net/Gross(Body)	kg	22/26	22/26	23/27	23/27
	Net/Gross(Panel)	kg	4/6	4/6	4/6	4/6
Inlet/Outlet Water Pipe			Rc3/4"(DN20)			
Drain Pipe			R3/4"(DN20)			
Stuffing Quantity(20/40/40H)			173/344/396	173/344/396	173/344/396	173/344/396

Note:

1. Cooling capacity test conditions: Air inlet Temp. : 27°C DB/19.5 °C WB, Water inlet/outlet Temp. : 7°C /12°C;
2. Heating capacity test conditions: Air inlet Temp. : 21°C DB, Water inlet Temp. : 60°C ;
3. Noise level is tested in full-anechoic room.

Cassette Fan Coil Unit



Cassette



Standard



Optional

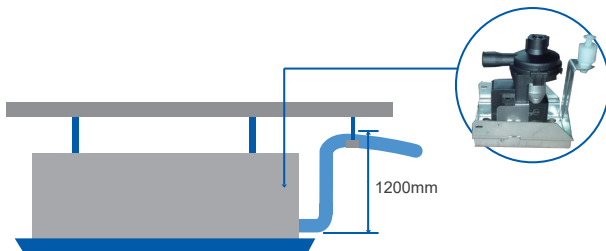


Central controller (Optional)



Built-In Water Drainage Pump

The built-in pump can lift condensing water up to 1200mm high from the drainage pan.



Optional Air Outlet Panel (Round Flow/Four-way Cassette)



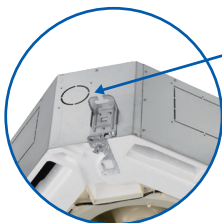
Four-way Cassette



Round Flow Cassette

Fresh Air Intake

Fresh air makes indoor air healthy and comfortable.



Fresh air intake

Optimized Electric Box

Better fire-proof and easy to maintenance.



New control box



Cassette



Specification-50Hz

Model		AFC-300CA/4BA	AFC-400CA/4BA	AFC-500CA/4BA	AFC-600CA/4BA
Air Volume(H/M/L)	CFM	300/259/212	400/341/282	500/429/353	600/450/300
	m ³ /h	510/440/360	680/580/480	850/730/600	1020/765/510
Cooling Capacity	H/M/L Speed W	3300/2840/2380	3900/3350/2810	4500/3600/3060	5406/4595/3514
Heating Capacity	H/M/L Speed W	4800/4200/3700	5800/5100/4500	6750/5940/5200	8115/6898/5275
Noise Level	dB(A)	≤39	≤42	≤45	≤45
Fan Motor	Fan Quantity	1	1	1	1
	Motor Quantity	1	1	1	1
	Power Input W	55	62	76	96
Water Flow Volume	m ³ /h	0.62	0.70	0.94	1.15
Hydraulic Resistance	kPa	26	27	29	31
Max.Working pressure	MPa	1.6	1.6	1.6	1.6
Dimension (WxDxH)	Net(Body) mm	570×570×260	570×570×260	570×570×260	835×835×250
	Packing(Body) mm	655×655×295	655×655×295	655×655×295	910×910×310
	Net(Panel) mm	650×650×55	650×650×55	650×650×55	950×950×55
	Packing(Panel) mm	710×710×80	710×710×80	710×710×80	1000×1000×100
Weight	Net/Gross(Body) kg	18/20.3	18/20.3	18/20.3	24.5/28
	Net/Gross(Panel) kg	2.2/3.7	2.2/3.7	2.2/3.7	5.3/7.8
Inlet/Outlet Water Pipe		Rc3/4"(DN20)			
Drain Pipe		R3/4"(DN20)			
Stuffing Quantity(20/40/40H)		181/362/414	181/362/414	181/362/414	79/170/182

Specification-50Hz

Model		AFC-800CA/4BA	AFC-1000CA/4BA	AFC-1200CA/4BA	AFC-1400CA/4BA
Air Volume(H/M/L)	CFM	800/600/400	1000/750/500	1200/900/600	1400/1050/700
	m ³ /h	1360/1020/680	1700/1275/850	2040/1530/1020	2380/1785/1190
Cooling Capacity	H/M/L Speed W	7210/6129/4687	9018/7665/5862	10810/9189/7027	12600/10719/8197
Heating Capacity	H/M/L Speed W	10807/9186/7025	13512/11485/8783	16205/13774/10553	18900/16066/12286
Noise Level	dB(A)	≤46	≤48	≤50	≤52
Fan Motor	Fan Quantity	1	1	1	1
	Motor Quantity	1	1	1	1
	Power Input W	134	165	189	225
Water Flow Volume	m ³ /h	1.4	1.68	1.82	2.25
Hydraulic Resistance	kPa	34	36	39	42
Max.Working pressure	MPa	1.6	1.6	1.6	1.6
Dimension (WxDxH)	Net(Body) mm	835×835×250	835×835×290	835×835×290	835×835×290
	Packing(Body) mm	910×910×310	910×910×350	910×910×350	910×910×350
	Net(Panel) mm	950×950×55	950×950×55	950×950×55	950×950×55
	Packing(Panel) mm	1000×1000×100	1000×1000×100	1000×1000×100	1000×1000×100
Weight	Net/Gross(Body) kg	25.5/29	26.5/31	28/32.5	28/32.5
	Net/Gross(Panel) kg	5.3/7.8	5.3/7.8	5.3/7.8	5.3/7.8
Inlet/Outlet Water Pipe		Rc3/4"(DN20)			
Drain Pipe		R3/4"(DN20)			
Stuffing Quantity(20/40/40H)		79/170/182	74/156/172	74/156/172	74/156/172

Note:

1. Cooling capacity test conditions: Air inlet Temp. : 27°C DB/19.5°C WB, Water inlet/outlet Temp. : 7°C /12°C ;
2. Heating capacity test conditions: Air inlet Temp. : 21°C DB, Water inlet Temp. : 60°C;
3. Noise level is tested in full-anechoic room.

Cassette



Specification 50HZ Four-Pipe

Model			AFC-600CA/4AA4	AFC-750CA/4AA4	AFC-850CA/4AA4
Air Volume(H/M/L)	CFM	m³/h	676/496/401	858/568/455	870/633/536
			1150/844/683	1460/967/774	1480/1077/912
Cooling Capacity	H/M/L Speed	W	5100	5930	6170
Heating Capacity	H/M/L Speed	W	6670	7870	8060
Noise Level		dB(A)	42	43	44
Fan Motor	Fan Quantity		1	1	1
	Motor Quantity		1	1	1
	Power Input	W	96	134	134
cool water	Water Flow	m³/h	0.92	0.98	1.05
	Hydraraulic Resistance	kPa	15.2	17.1	20
Heat water	Water Flow	m³/h	0.55	0.68	0.67
	Hydraraulic Resistance	kPa	36.9	40.5	39.1
Max.Working pressure		MPa	1.6	1.6	1.6
Dimension (WxDxH)	Net(Body)	mm	835X835X250	835X835X250	835X835X250
	Packing(Body)	mm	910X910X310	910X910X310	910X910X310
	Net(Panel)	mm	950X950X55	950X950X55	950X950X55
	Packing(Panel)	mm	1000X1000X100	1000X1000X100	1000X1000X100
Weight	Net/Gross(Body)	kg	35/42	35/42	35/42
	Net/Gross(Panel)	kg	5.2/7.8	5.2/7.8	5.2/7.8
Cool Water Pipe Inlet/Outlet		Inch	Rc3/4	Rc3/4	Rc3/4
Heat Water Pipe Inlet/Outlet		Inch	Rc1/2	Rc1/2	Rc1/2
Drain Pipe		mm	φ32	φ32	φ32
Stuffing Quantity(20/40/40H)			79/170/182	79/170/182	79/170/182

Specification 50HZ Four-Pipe

Model			AFC-950CA/4AA4	AFC-1200CA/4AA4	AFC-1500CA/4AA4
Air Volume(H/M/L)	CFM	m³/h	1011/724/614	1094/750/644	1235/750/644
			1072/1231/1044	1860/1275/1095	2100/1275/1095
Cooling Capacity	H/M/L Speed	W	6700	9280	10580
Heating Capacity	H/M/L Speed	W	8670	11650	12620
Noise Level		dB(A)	45	46	47
Fan Motor	Fan Quantity		1	1	1
	Motor Quantity		1	1	1
	Power Input	W	165	189	225
cool water	Water Flow	m³/h	1.12	1.55	1.67
	Hydraraulic Resistance	kPa	22	32.1	37.8
Heat water	Water Flow	m³/h	0.71	1.02	1.06
	Hydraraulic Resistance	kPa	41.9	56.8	60.5
Max.Working pressure		MPa	1.6	1.6	1.6
Dimension (WxDxH)	Net(Body)	mm	835X835X290	835X835X290	835X835X290
	Packing(Body)	mm	910X910X350	910X910X350	910X910X350
	Net(Panel)	mm	950X950X55	950X950X55	950X950X55
	Packing(Panel)	mm	1000X1000X100	1000X1000X100	1000X1000X100
Weight	Net/Gross(Body)	kg	35/42	38/45	38/45
	Net/Gross(Panel)	kg	5.2/7.8	5.2/7.8	5.2/7.8
Cool Water Pipe Inlet/Outlet		Inch	Rc3/4	Rc3/4	Rc3/4
Heat Water Pipe Inlet/Outlet		Inch	Rc1/2	Rc1/2	Rc1/2
Drain Pipe		mm	φ32	φ32	φ32
Stuffing Quantity(20/40/40H)			74/156/172	74/156/172	74/156/172

Note:

1. Cooling capacity test conditions: Air inlet Temp. : 27°C DB/19.5°C WB, Water inlet/outlet Temp. : 7°C /12°C ;
2. Heating capacity test conditions: Air inlet Temp. : 21°C DB, Water inlet Temp. : 60°C;
3. Noise level is tested in full-anechoic room.



Ceiling&Floor Fan Coil Unit



Ceiling&Floor



Standard



Optional

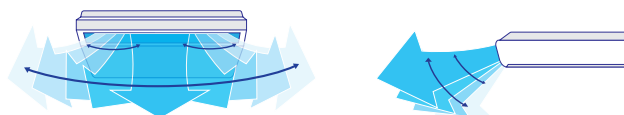


Central controller (Optional)



3D Air Swing

Vertical and horizontal swing makes air below to every corner of the room.



Ultra Slim Design

The thickness is only 205mm, save installation space.



Innovative Centrifugal Fan

All units are equipped with 3-speed fan mode, adjusting the air flow rate in accordance with the ceiling height. Innovative centrifugal fan provides larger air volume but lower noise, making the air supply more quietly and smoothly.



Flexible Installation

Can be vertically installed against the wall or horizontally installed under the ceiling.



Ceiling&Floor



Specification-50Hz

Model		AFC-400CF/4B	AFC-500CF/4B	AFC-600CF/4B	AFC-800CF/4B	AFC-1000CF/4B
Air Volume(H/M/L)	CFM	400/300/200	500/375/250	600/450/300	800/600/400	1000/750/500
	m³/h	680/510/340	850/638/425	1020/765/510	1360/1020/680	1700/1275/850
Cooling Capacity	H/M/L Speed W	3600/3075/2352	4514/3837/2934	5406/4595/3514	7210/6129/4687	9000/7665/5862
Heating Capacity	H/M/L Speed W	5418/4605/3522	6767/5752/4399	8115/6898/5275	10807/9186/7025	13512/11485/8786
Noise Level	dB(A)	≤42	≤45	≤48	≤48	≤50
Fan Motor	Fan Quantity	2	2	3	3	4
	Motor Quantity	1	1	1	1	1
	Power Input W	78	93	117	190	230
Water Flow Volume	m³/h	0.62	0.80	0.98	1.25	1.58
Hydraulic Resistance	kPa	16	20	22	30	44
Max.Working pressure	MPa	1.6	1.6	1.6	1.6	1.6
Dimension (WxDxH)	Net(Body) mm	929×660×205	929×660×205	1280×660×205	1280×660×205	1631×660×205
	Packing(Panel) mm	1010×720×290	1010×720×290	1360×720×290	1360×720×290	1710×720×290
Weight	Net/Gross(Body) kg	24/27	25/28	30/35	33/38	44/50
Inlet/Outlet Water Pipe		Rc3/4"(DN20)				
Drain Pipe		R3/4"(DN20)				
Stuffing Quantity(20/40/40H)		143/297/329	143/297/329	103/211/236	103/211/236	103/211/236

Note:

1. Cooling capacity test conditions: Air inlet Temp. : 27°C DB/19.5°C WB, Water inlet/outlet Temp. : 7°C /12°C ;
2. Heating capacity test conditions: Air inlet Temp. : 21°C DB, Water inlet Temp. : 60°C;
3. Noise level is tested in full-anechoic room.

Horizontal Concealed Fan Coil Unit



Horizontal Concealed



Temperature Controller



Central controller (Optional)



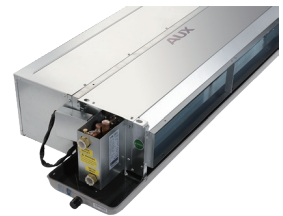
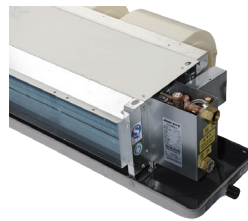
Return Air Plenum and Filter Air Standard

Back air return and down air return can be free choice, the long term air filter ensures better air quality.



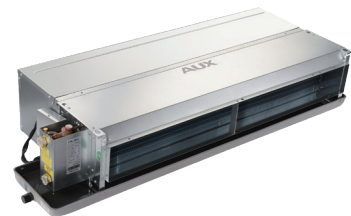
Pipe Connecting Direction Free Choice

Right connecting pipe is standard, and left connecting pipe is optional; Left and right drain pipe also can be free choice.



Adjustable ESP

There are two types ESP can be selected for each mode. Standard (30Pa) /Optional (12 Pa)



External Static Pressure

3 rows and metal fan wheel are standard for A6M series.



Horizontal Concealed FCU



Specification-50Hz A6 Series

Model	Left (Right)	AFC-200HCR/4BA6	AFC-300HCR/4BA6*	AFC-400HCR/4BA6*	AFC-500HCR/4BA6*	AFC-600HCR/4BA6
Air Volume(H/M/L)	CFM	200/150/100	300/225/150	400/300/200	500/375/250	600/450/300
	m³/h	340/255/170	510/382/255	680/510/340	850/638/425	1020/765/510
Cooling Capacity	H/M/L Speed W	1800/1537/1175	2700/2305/1763	3600/3075/2352	4500/3837/2934	5400/4595/3514
Heating Capacity	H/M/L Speed W	2700/2303/1761	4050/3460/2646	5400/4605/3522	6750/5752/4399	8100/6898/5275
External Static Pressure	Pa	Standard (30Pa) / Optional (12 Pa)				
Rows Of Coil		2	2	2	2	2
Noise Level	dB(A)	≤40	≤42	≤44	≤46	≤47
Fan Motor	Fan Quantity	1	2	2	2	2
	Motor Quantity	1	1	1	1	1
	Power Input W	44	59	72	87	108
Water Flow Volume	m³/h	0.35	0.61	0.8	0.95	1.08
Hydraulic Resistance	kPa	≤30	≤30	≤30	≤30	≤40
Max.Working pressure	MPa	1.6	1.6	1.6	1.6	1.6
Dimension(WxDxH)	Net mm	694×518×240	894×518×240	894×518×240	1039×518×240	1129×518×240
	Packing mm	715×260×545	915×260×545	915×260×545	1060×260×545	1150×260×545
Net/Gross Weight	kg	12.6/14.6	16.4/18.9	16.8/19.4	18.9/21.9	20.2/23.7
Inlet/Outlet Water Pipe		Rc3/4"(DN20)				
Drain Pipe		R3/4"(DN20)				
Stuffing Quantity(20/40/40H)		306/648/720	193/514/574	193/514/574	198/396/440	180/396/440

Specification-50Hz A6 Series

Model	Left (Right)	AFC-800HCR3/4BA6	AFC-1000HCR3/4BA6	AFC-1200HCR3/4BA6	AFC-1400HCR3/4BA6
Air Volume(H/M/L)	CFM	800/600/400	1000/750/500	1200/900/600	1400/1050/700
	m³/h	1360/1020/680	1700/1275/850	2040/1530/1020	2380/1785/1190
Cooling Capacity	H/M/L Speed W	7200/6129/4687	9000/7665/5862	10800/9189/7027	12600/10719/8197
Heating Capacity	H/M/L Speed W	10800/9186/7025	13500/11485/8783	16200/13774/10533	18900/16066/12286
External Static Pressure	Pa	Standard (30Pa) / Optional (12 Pa)			
Rows Of Coil		3	3	3	3
Noise Level	dB(A)	≤48	≤50	≤52	≤54
Fan Motor	Fan Quantity	3	4	4	4
	Motor Quantity	1	1	1	1
	Power Input W	156	174	212	253
Water Flow Volume	m³/h	1.39	1.56	1.92	2.6
Hydraulic Resistance	kPa	≤40	≤40	≤40	≤50
Max.Working pressure	MPa	1.6	1.6	1.6	1.6
Dimension(WxDxH)	Net mm	1319×518×240	1619×518×240	1719×518×240	1909×518×240
	Packing mm	1340×260×545	1640×260×545	1740×260×545	1930×260×545
Net/Gross Weight	kg	26/30	31.3/35.8	33.4/38	35.6/41.1
Inlet/Outlet Water Pipe		Rc3/4"(DN20)			
Drain Pipe		R3/4"(DN20)			
Stuffing Quantity(20/40/40H)		144/306/340	117/260/290	117/252/280	108/216/240

Note:

1. Cooling capacity test conditions: Air inlet Temp. : 27°C DB/19.5°C WB, Water inlet/outlet Temp. : 7°C /12°C ;
2. Heating capacity test conditions: Air inlet Temp. : 21°C DB, Water inlet Temp. : 60°C;
3. External Static Pressure : 50Pa is optional;
4. Noise level is tested in full-anechoic room;
5. * Models had 3 Rows of coil can be choose.

Horizontal Concealed FCU



Specification-50Hz A6M Series (3 Rows Steel Fan)

Model	Left (Right)	AFC-200HCR3/4BA6M	AFC-300HCR3/4BA6M	AFC-400HCR3/4BA6M	AFC-500HCR3/4BA6M	AFC-600HCR3/4BA6M
Air Volume(H/M/L)	CFM	200/150/100	300/225/150	400/300/200	500/375/250	600/450/300
	m ³ /h	340/255/170	510/382/255	680/510/340	850/638/425	1020/765/510
Cooling Capacity	H/M/L Speed W	1800/1537/1175	2700/2305/1763	3600/3075/2352	4500/3837/2934	5400/4595/3514
Heating Capacity	H/M/L Speed W	2700/2303/1761	4050/3460/2646	5400/4605/3522	6750/5752/4399	8100/6898/5275
External Static Pressure	Pa	Standard (30Pa) / Optional (12 Pa)				
Rows Of Coil		3	3	3	3	3
Noise Level	dB(A)	≤40	≤42	≤44	≤46	≤47
Fan Motor	Fan Quantity	1	2	2	2	2
	Motor Quantity	1	1	1	1	1
	Power Input W	44	59	72	87	108
Water Flow Volume	m ³ /h	0.4	0.55	0.75	0.85	1.08
Hydraulic Resistance	kPa	≤30	≤30	≤30	≤30	≤40
Max.Working pressure	MPa	1.6	1.6	1.6	1.6	1.6
Dimension(WxDxH)	Net mm	694×518×240	894×518×240	894×518×240	1039×518×240	1129×518×240
	Packing mm	715×260×545	915×260×545	915×260×545	1060×260×545	1150×260×545
Net/Gross Weight	kg	14.1/16.1	18.3/20.8	18.6/21.2	20.8/23.8	22.2/25.7
Inlet/Outlet Water Pipe		Rc3/4"(DN20)				
Drain Pipe		R3/4"(DN20)				
Stuffing Quantity(20/40/40H)		306/648/720	193/514/574	193/514/574	198/396/440	180/396/440

Specification-50Hz A6M Series (3 Rows Steel Fan)

Model	Left (Right)	AFC-800HCR3/4BA6M	AFC-1000HCR3/4BA6M	AFC-1200HCR3/4BA6M	AFC-1400HCR3/4BA6M
Air Volume(H/M/L)	CFM	800/600/400	1000/750/500	1200/900/600	1400/1050/700
	m ³ /h	1360/1020/680	1700/1275/850	2040/1530/1020	2380/1785/1190
Cooling Capacity	H/M/L Speed W	7200/6129/4687	9000/7665/5862	10800/9189/7027	12600/10719/8197
Heating Capacity	H/M/L Speed W	10800/9186/7025	13500/11485/8783	16200/13774/10533	18900/16066/12286
External Static Pressure	Pa	Standard (30Pa) / Optional (12 Pa)			
Rows Of Coil		3	3	3	3
Noise Level	dB(A)	≤48	≤50	≤52	≤54
Fan Motor	Fan Quantity	3	4	4	4
	Motor Quantity	2	2	2	2
	Power Input W	156	174	212	253
Water Flow Volume	m ³ /h	1.4	1.7	2.0	2.3
Hydraulic Resistance	kPa	≤40	≤40	≤40	≤50
Max.Working pressure	MPa	1.6	1.6	1.6	1.6
Dimension(WxDxH)	Net mm	1319×518×240	1719×518×240	1719×518×240	1909×518×240
	Packing mm	1340×260×545	1740×260×545	1740×260×545	1930×260×545
Net/Gross Weight	kg	28.9/32.9	36.2/40.7	36.9/41.5	40.8/46.3
Inlet/Outlet Water Pipe		Rc3/4"(DN20)			
Drain Pipe		R3/4"(DN20)			
Stuffing Quantity(20/40/40H)		144/306/340	117/260/290	117/252/280	108/216/240

Note:

1. Cooling capacity test conditions: Air inlet Temp. : 27°C DB/19.5°C WB, Water inlet/outlet Temp. : 7°C /12°C ;
2. Heating capacity test conditions: Air inlet Temp. : 21°C DB, Water inlet Temp. : 60°C;
3. External Static Pressure :50Pa is optional;
4. Noise level is tested in full-anechoic room.



Wall-mounted Fan Coil Unit

Wall-mounted



Standard



Central controller (Optional)



A Variety of Panels

A variety of panels can be chosen



LH



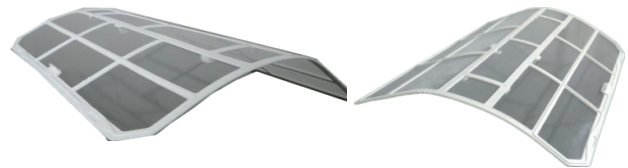
LI



LK

Long Term Washable Air Filter

The wash period is two times longer than normal filter.



Failure Automatic Detection

If there is a failure, the indicator will flash and the failure code will display on the wired controller, the failure cause is easier to be found.

Two Way Valve& Three Way Valve (Optional)



Two way vale



Three way vale

Wall-mounted



Specification-50Hz 4 Panels LH/LR/LK/LI

Model			AFC-200WM/4B(L*)	AFC-300WM/4B(L*)	AFC-400WM/4B(L*)
Air Volume	H/M/L Speed	CFM	200/150/100	300/225/150	400/300/200
		m ³ /h	340/255/170	510/383/255	680/510/340
Cooling Capacity	H/M/L Speed	W	1808/1537/1175	2712/2305/1763	3618/3075/2352
Heating Capacity	H/M/L Speed	W	2709/2303/1761	4070/3460/2646	5418/4605/3522
Noise Level		dB(A)	≤42	≤42	≤43
Fan Motor	Fan Quantity		1	1	1
	Motor Quantity		1	1	1
	Power Input	W	52	52	62
Water Flow Volume		kg/h	350	610	800
Hydraulic Resistance		kPa	30	30	30
Max.Working pressure		MPa	1.6	1.6	1.6
Dimension (WxDxH)	Net	mm	850×300×198	850×300×198	850×300×198
	Packing	mm	920×370×282	920×370×282	920×370×282
Net/Gross Weight		kg	11/12.5	11/12.5	12.6/14.5
Inlet/Outlet Water Pipe				Rc1/2"(DN15)	
Drain Pipe				R1/2"(DN15)	
Stuffing Quantity(20/40/40H)			350/735/882	350/735/882	350/735/882

Specification-50Hz 4 Panels LH/LR/LK/LI

Model			AFC-500WM/4B(L*)	AFC-600WM/4B(L*)	AFC-800WM/4B(L*)
Air Volume	H/M/L Speed	CFM	500/375/250	600/450/300	800/600/400
		m ³ /h	850/638/425	1020/765/510	1360/1020/680
Cooling Capacity	H/M/L Speed	W	4514/3837/2934	5406/4595/3514	7210/6129/4687
Heating Capacity	H/M/L Speed	W	6767/5752/4399	8155/6989/5275	10807/9186/7025
Noise Level		dB(A)	≤47	≤47	≤49
Fan Motor	Fan Quantity		1	1	1
	Motor Quantity		1	1	1
	Power Input	W	76	96	134
Water Flow Volume		kg/h	950	1080	1390
Hydraulic Resistance		kPa	30	40	40
Max.Working pressure		MPa	1.6	1.6	1.6
Dimension (WxDxH)	Net	mm	970×315×235	970×315×235	1100×330×235
	Packing	mm	1047×385×317	1047×385×317	1180×400×317
Net/Gross Weight		kg	15/17	16/18	20/23
Inlet/Outlet Water Pipe					
Drain Pipe					
Stuffing Quantity(20/40/40H)			266/558/637	266/558/637	238/495/546

Note:

1. Cooling capacity test conditions: Air inlet Temp. : 27°C DB/19.5°C WB, Water inlet/outlet Temp. : 7°C /12°C ;
2. Heating capacity test conditions: Air inlet Temp. : 21°C DB, Water inlet Temp. : 60°C;
3. External Static Pressure : 50Pa is optional;
4. Noise level is tested in full-anechoic room.

Chiller Controller

Wired Controller



XK-02D

Fan Coil Unit Controller

Remote Controller



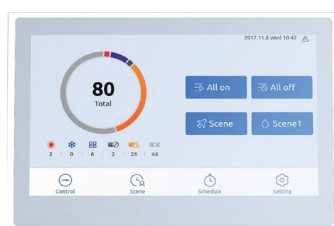
YK-K

Wired Controller



XK-05

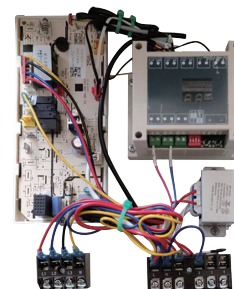
Central Controller



CC-02 Controller
Max 64 FCUs



Gateway
1 Gateway matches 1 FCU



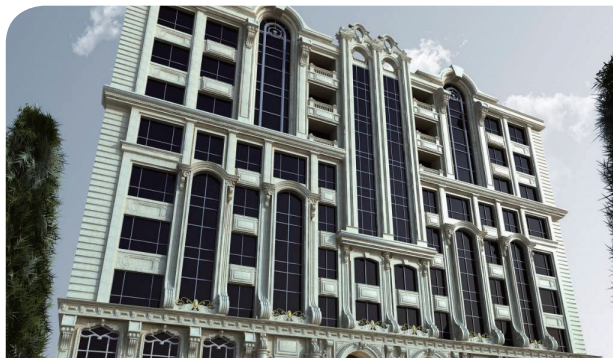
Gateway assembly
Only for duct type

Project Reference



VILLA FRESCO

Country:	Georgia
City:	Tbilisi
Capacity:	1620kW
Equipment:	Modular Chiller
Date:	01-2018



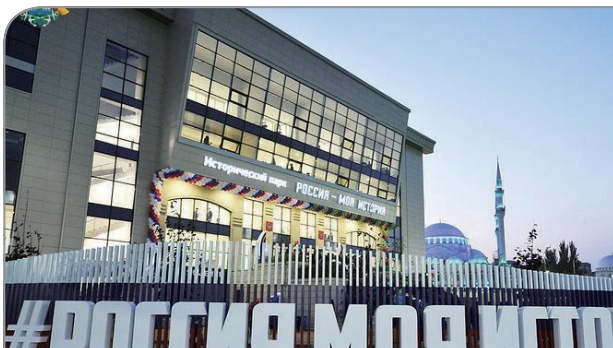
Residential Complex

Country:	Iran
City:	Tehran
Capacity:	770kW
Equipment:	Modular Chiller
Date:	05-2017



Heravi Square

Country:	Iran
City:	Tehran
Capacity:	385kW
Equipment:	Modular Chiller
Date:	03-2017



Russia - My History Museum

Country:	Russia
City:	Makhachkala
Capacity:	1380kW
Equipment:	Modular Chiller
Date:	01-2018

