



Official Accounts



AUX CAC



@aux_cac_china

NINGBO AUX ELECTRIC CO.,LTD

Add: No. 1517, East Section of Yincheng Avenue, Jiangshan, Yinzhou, Ningbo, Zhejiang, P. R. China
Tel: +86-574-88220564

2024

COMMERCIAL AIR
CONDITIONER
EUROPEAN REGION

The AUX logo is displayed in a bold, dark blue, sans-serif font in the top left corner. The background of the entire slide is a low-angle photograph of a modern skyscraper with a glass and metal facade, reaching towards a blue sky with scattered white clouds. The building's design features sharp angles and a grid-like pattern of windows and structural elements.

AUX

BRIEF INTRODUCTION

Established in 2003, AUX ELECTRIC CO., LTD is a professional central Air-Conditioner enterprise which is integrated the R&D, equipment manufacturing and sales service in business scope. After several years business developing, it has been awarded many honors like international development advanced enterprise, innovative demonstration enterprise, most popular market brand, best product quality, most competitive brand in top 10 air-conditioner supplier. The sales volume of air conditioner from 2018 to 2021 ranks top3 in the world, and AUX has successfully been exclusive supplier of official air conditioning of the 19th Asian 2022 Hangzhou Games.

Aux product is cover unit air-conditioner, VRF and modular unit with 50 series and more than 1000 product type, its product are widely applied in government, public construction, education, medical service, decorative residential, business office and industrial project, etc, and exported to more than 100 countries and regions.

In the future, AUX Group will be intelligently upgraded with the industrial intelligence, integrating home, business smart system, continue to adhere to the mission of "health, energy saving, green, environmental protection" to be a worldwide brand which symbolizes healthy life!

MILESTONE

STARTUP & DEVELOPMENT (1986-2022)

1986

Established AUX Group

2003

Entered The CAC Field

2007

Launched Digital
Scroll ARV System

2004

Got CNAS Certification

2011

Launched DC Inverter
VRF System Globally

2016

Launched All DC
Inverter ARV 5X
Globally

2019

Launched All DC
Inverter ARV 6
Globally

2021

Became the official
air-conditioned supplier
of the 19th Asian Games
in Hangzhou in 2022

2022

Launched All DC
Inverter ARV 7 & R32
Air to Water Heat
Pump Globally

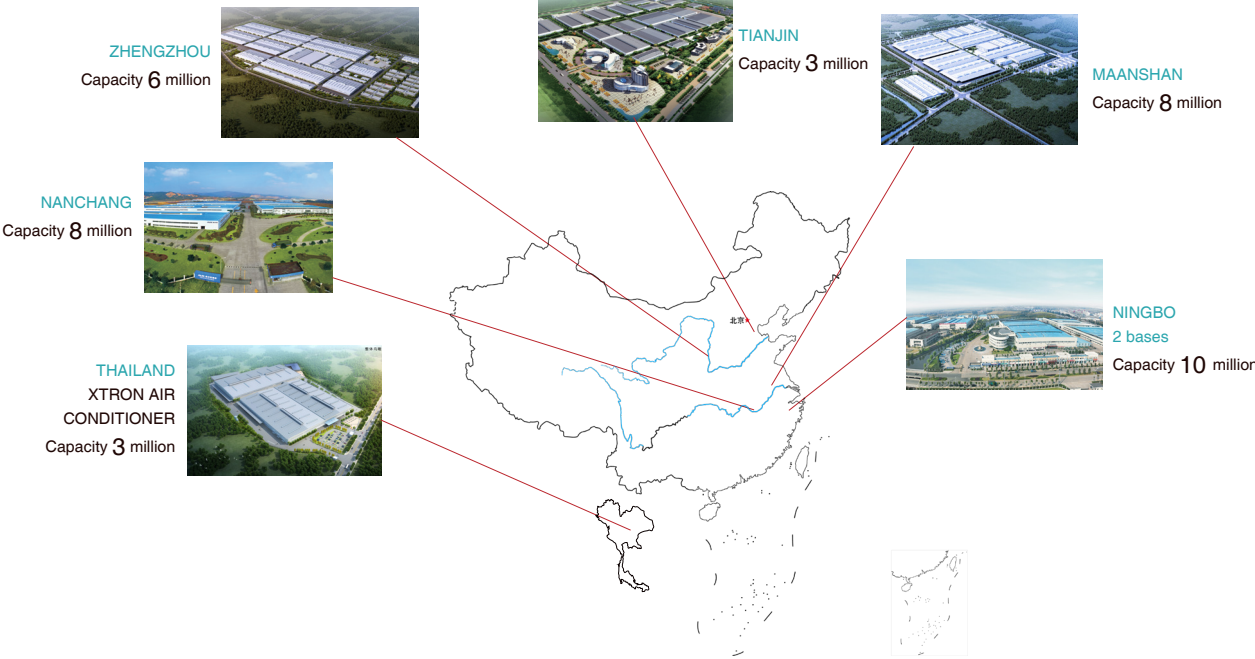
2023

Launched All DC
Inverter R290 Air To
Water Heat Pump
globally

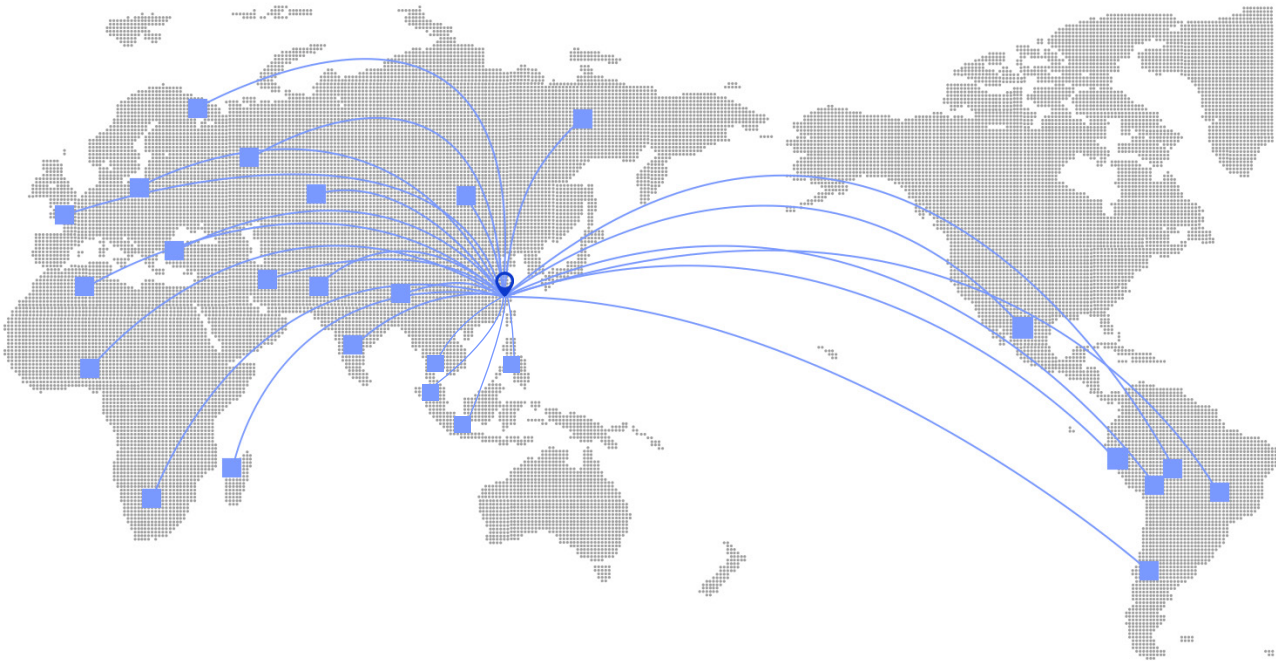
Intelligent Manufacturing

■ 7 production bases

■ 37+ million sets / year



Exported to 123 countries and regions , over 400 cooperative customers



AWARDS



Leading Comfortable & Healthy Brand



Innovation Excellent Case Award



RED-TOP Award



IF DESIGN AWARD



AWE Excellent Product Award



Quality Benchmark Brand

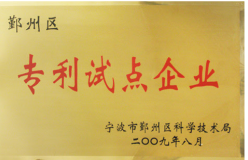
HONOR



Demonstration enterprise



Gold Award



Pilot enterprise



Vice Chairman Unit

CERTIFICATION



01



FREE-MATCH
Outdoor unit

Product line
Nomenclature
Feature
Specification
Dimension

P10-P21

02



LIGHT COMMERCIAL
Outdoor unit

Product line
Nomenclature
Feature
Specification
Dimension

P22-P29

03



INDOOR UNIT
Free Match&
Light Commercial

J SERIES
H SERIES
Q SERIES
F SERIES
CONSOLE
CASSETTE Y
SLIM DUCT Y
MEDIUM DUCT M
CEILING &FLOOR

P30-P75

04



Heat pump
Air to water

Nomenclature
Product line
Feature^(R290)
Specification^(R290)
Feature^(R32)
Specification^(R32)

P76-P103

05

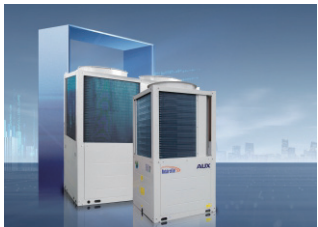


VRF System

Nomenclature
Product line
Feature^(Outdoor)
Specification^(Outdoor)
Feature^(Indoor)
Specification^(Indoor)

P104-P189

06



**Modular
Chiller&FCU**

Nomenclature
Product line
Feature
Specification

P190-P213



01 Free-Match

Outdoor Unit

► Feature



Efficiency



Healthy



Comfortable



Intelligent



Easy control



Easy maintenance

► Authentication



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.

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.



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.



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.

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.



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.



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.



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.

Free-Match Outdoor Unit



DC Inverter Series-Free match-Outdoors Units

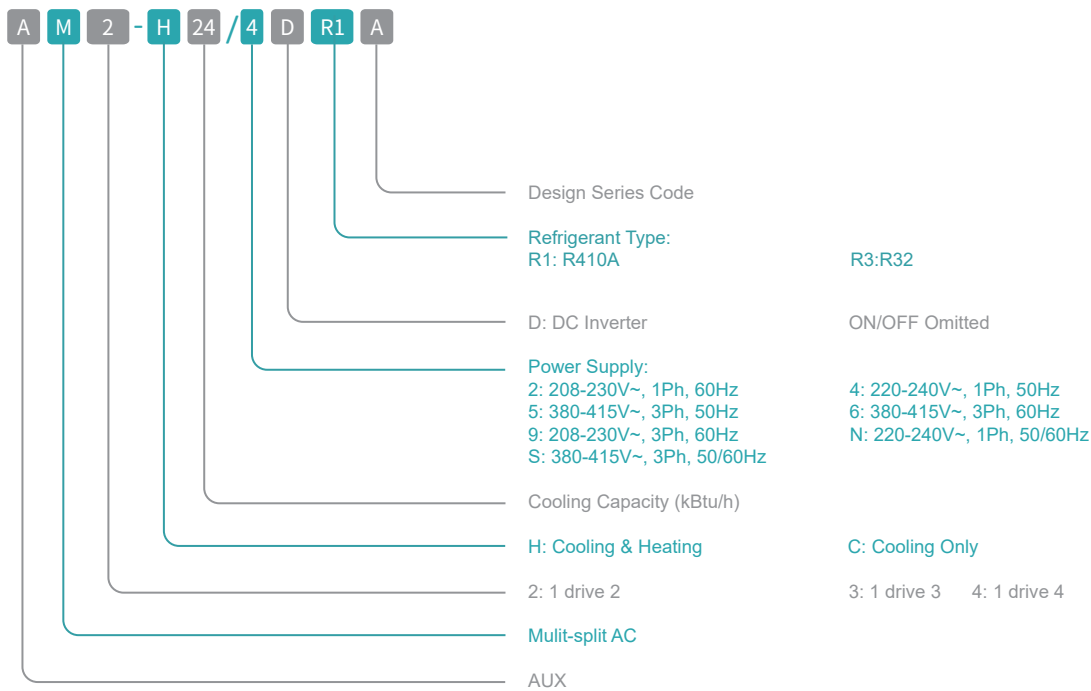
Series	Appearance	Refrigerent	Type	14kBtu/h	18kBtu/h	21kBtu/h	27kBtu/h	28kBtu/h	36kBtu/h	42kBtu/h
1 Drive 2		R32	Inverter	●	●					
1 Drive 3		R32	Inverter			●	●			

DC Inverter Series-Free match-Outdoors Units

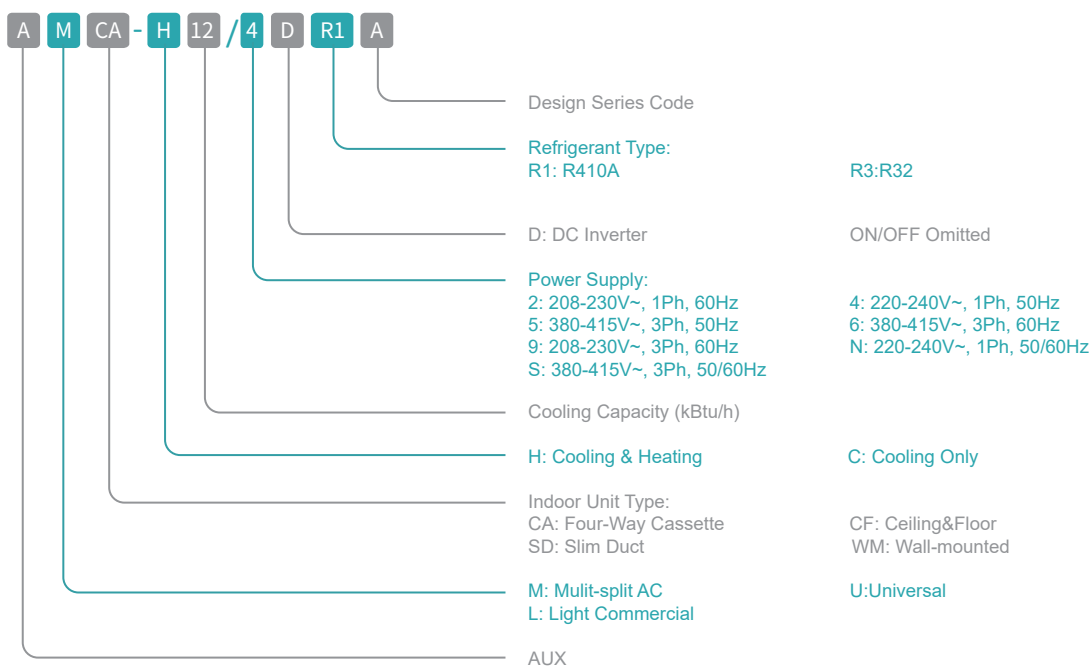
Series	Appearance	Refrigerent	Type	14kBtu/h	18kBtu/h	21kBtu/h	27kBtu/h	28kBtu/h	36kBtu/h	42kBtu/h
1 Drive 4		R32	Inverter					● NEW	●	
1 Drive 5		R32	Inverter							●

Nomenclature-Free Match

Outdoor Unit



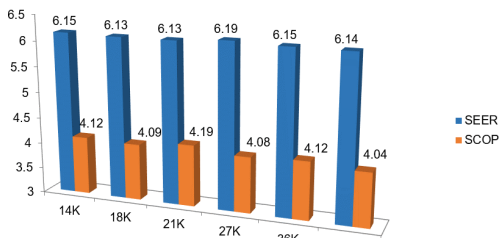
Indoor Unit



Feature

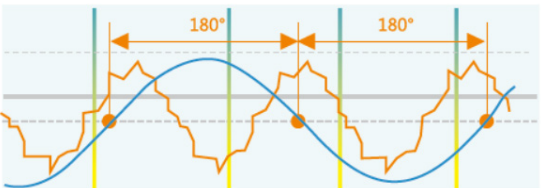
Highly efficient and Energy-efficient

The outdoor unit is equipped with high-efficiency DC invertercompressor, speed-adjustable fan, electronic expansion valveand advanced 180° sine wave vector drive, with SEER higherthan 6.1 and SCOP higher than 4.0,meets EU A++/A+.



180° sine wave control

The DC inverter compressor adopts 180° sine wave variable speed technology for more accurate control, resulting in smoother motor operation, extended service life, and reduced noise levels.



Multi Protection

The unit contains multiple protection functions to ensure the normal operation of the unit and greatly reduce the frequency of failure.

System protection

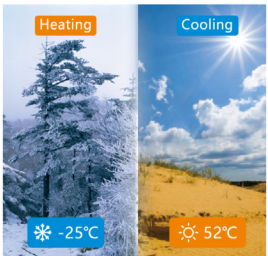
- Discharge temperature too high protection
- Condenser temperature too high protection
- High and low pressure protection
- Temperature sensor protection
- Compressor overloading protection
- Phase sequence protection
- Communication failure protection
- Anti-freezing protection
- Anti-cold air protection

Drive module protection

- High power consumption protection
- Over current protection
- Over temperature protection
- High or low voltage protection

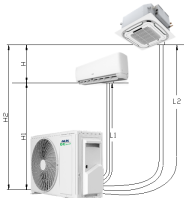
Wide operating range

The outdoor unit can operate smoothly in both scorching summer with a temperature as high as 52°C and freezing winter with a temperature as low as -15°C, making you feel like spring all year round.



Long Piping Capability

Long piping capability allows designer / installer more flexible installation design.



Piping Length (m)	14/18K	21/27K	28/36K	42K
	1 drive 2	1 drive 3	1 drive 4	1 drive 5
Total Piping Length	40	60	80	80
Single Piping Length (L1 /L2)	25	30	35	35
High difference between IDU &ODU (H1/H2)	15	15	15	15
High difference between IDUs (H)	10	10	10	10

Independent EXV control

Each IDU Adjusted by a EXV , whole unit could achieve quick cooling/heating. EXV was designed in outdoor unit , decrease throttling noise of indoor unit.

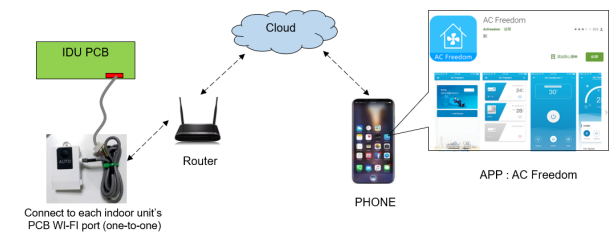


Valve orifice size : Φ 1.5 mm



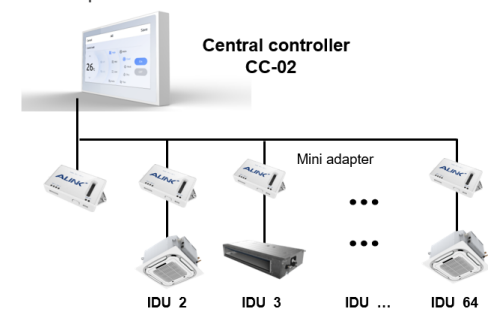
► WiFi Function

All IDUs support wifi function(optional), Customers can enjoy fun and convenience of remote control via mobile phones and other mobile terminals (Android and IOS) to control the AC at anytime and anywhere.



► Central Control

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



Combination

AM2-H14/4DR3 AM2-H14/4DR3C		Suggested Combination		
		One indoor unit	Two indoor units	
1 drive 2	7	7+7	—	
	9	7+9	—	
	12	9+9	—	
	18	—	—	

AM2-H18/4DR3 AM2-H18/4DR3S AM2-H18/4DR3C		Suggested Combination		
		One indoor unit	Two indoor units	
1 drive 2	7	7+7	9+12	
	9	7+9	—	
	12	7+12	—	
	18	9+9	—	

AM3-H21/4DR3 AM3-H21/4DR3C		Suggested Combination			
		One indoor unit	Two indoor units		Three indoor units
1 drive 3	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	—

AM3-H27/4DR3 AM3-H27/4DR3C		Suggested Combination				
		One indoor unit	Two indoor units		Three indoor units	
1 drive 3	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	—	

AM4-H36/4DR3		Suggested Combination				
		One indoor unit	Two indoor units		Three indoor units	
1 drive 4	24	7+7	9+18	7+7+7	7+9+18	9+12+18
	—	7+9	9+24	7+7+9	7+9+24	9+12+24
	—	7+12	12+12	7+7+12	7+12+12	12+12+12
	—	7+18	12+18	7+7+18	7+12+18	12+12+18
	—	7+24	12+24	7+7+24	7+12+24	—
	—	9+9	18+18	7+9+9	9+9+9	—
	—	9+12	—	7+9+12	9+9+12	—
	Three indoor units					
	7+7+7+7	7+7+12+12	9+9+9+9	—	—	—
	7+7+7+9	7+7+12+18	9+9+9+12	—	—	—
	7+7+7+12	7+9+9+9	9+9+9+18	—	—	—
	7+7+7+18	7+9+9+12	9+9+12+12	—	—	—
	7+7+9+9	7+9+9+18	9+12+12+12	—	—	—
	7+7+9+12	7+9+12+18	—	—	—	—
	7+7+9+18	7+12+12+12	—	—	—	—

AM4-H42/4DR3		Suggested Combination					
1 drive 5	One Unit	Two Units		Threeo Units			
	24	7+7	9+24	7+7+7	7+9+24	9+9+24	12+18+18
	—	7+9	12+12	7+7+9	7+12+12	9+12+12	12+18+24
	—	7+12	12+18	7+7+12	7+12+18	9+12+18	18+18+18
	—	7+18	12+24	7+7+18	7+12+24	9+12+24	—
	—	7+24	18+18	7+7+24	7+18+18	9+18+18	—
	—	9+9	18+24	7+9+9	9+9+9	12+12+12	—
	—	9+12	—	7+9+12	9+9+12	12+12+18	—
	—	9+18	—	7+9+18	9+9+18	12+12+24	—
	Four Units						
	7+7+7+7		7+7+9+24		7+9+12+24		
	7+7+7+9		7+7+12+12		7+12+12+12		
	7+7+7+12		7+7+12+18		9+9+9+9		
	7+7+7+18		7+7+12+24		9+9+9+12		
	7+7+7+24		7+9+9+9		9+9+9+18		
	7+7+9+9		7+9+9+12		9+9+12+12		
	7+7+9+12		7+9+9+18		9+12+12+12		
	7+7+9+18		7+9+12+18		12+12+12+12		
	Five Units						
	7+7+7+7+7		7+7+7+12+18		7+9+9+9+12		9+9+12+12+12
	7+7+7+7+9		7+7+9+9+9		7+9+9+9+18		—
	7+7+7+7+12		7+7+9+9+12		7+9+9+12+12		—
	7+7+7+7+18		7+7+9+9+18		7+9+12+12+12		—
	7+7+7+9+9		7+7+9+12+12		9+9+9+9+9		—
	7+7+7+9+12		7+7+9+12+18		9+9+9+9+12		—
	7+7+7+9+18		7+7+12+12+12		9+9+9+9+18		—
7+7+7+12+12		7+9+9+9+9		9+9+9+12+12		—	

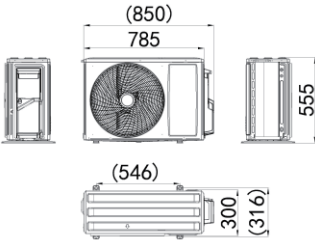
Specification

Specification			14K	18K	21K
DC INVERTER	Model		AM2-H14/4DR3C	AM2-H18/4DR3C	AM3-H21/4DR3C
System Format			1 drive 2	1 drive 2	1 drive 3
Capacity	Cooling	Btu/h	13989(6142-15388)	18084(6824-19892)	21154(7506-22895)
		kW	4.1(1.8-4.51)	5.3(2.0-5.83)	6.2(2.2-6.71)
	Heating	Btu/h	15354(6995-18015)	19107(7541-21017)	22519(8155-24771)
		kW	4.5(2.05-5.28)	5.6(2.21-6.16)	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 Power Input	W	1240(198-2100)	1640(280-2300)	1920 (350-2800)
	Heating Power Input	W	1150(198-2100)	1480(280-2300)	1780 (350-2800)
	Rated Current (cooling&heating)	A	5.39/5.00	7.13/6.43	8.35/7.74
Performance	SEER/SCOP	W/W	6.15/4.12	6.13/4.09	6.13/4.19
	Energy Rate		A++/A+	A++/A+	A++/A+
	EER/COP	W/W	3.31/3.91	3.23/3.78	3.23/3.71
	Air Flow Volume	m³/h	2600	2600	4100
	Sound Pressure Noise Level	dB(A)	53	54	56
	Sound Power Noise Level	dB(A)	63	64	66
Dimension	Net (W*D*H)	mm	785×300×555	785×300×555	900×350×700
	Packing (W*D*H)	mm	900×380×615	900×380×615	1015×415×755
Weight	Net/Gross	kg	30/32.5	30/32.5	41.5/45
Piping	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. length for all rooms(m)	m	40	40	60
	Max. length for one IDU(m)	m	25	25	30
	Max. height difference between IDU and OU(m)	m	15	15	15
	Max. height difference between IDUs(m)	m	10	10	10
Ambient Temp (Cooling/Heating)		℃	-10-52℃/-15-24℃	-10-52℃/-15-24℃	-10-52℃/-15-24℃
Stuffing Quantity	20/40/40H	unit	114/237/316	114/237/316	90/189/189

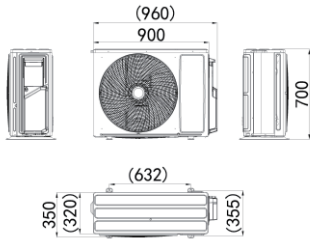
Remark: The above designs and specifications are subject to change of product improvement without prior notice.

Dimension

AM2-H14/4DR3C、AM2-H18/4DR3C



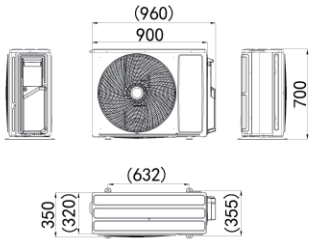
AM3-H21/4DR3C



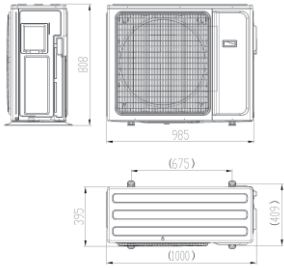
Model			27K	36K	42K
DC INVERTER	Model		AM3-H27/4DR3C	AM4-H36/4DR3	AM5-H42/4DR3
System Format			1 drive 3	1 drive 4	1 drive 5
Capacity	Cooling	Btu/h	26955(7848-29650)	35826(8530-37532)	40944(9451-43332)
		kW	7.9(2.3~8.69)	10.50(2.5~11.0)	12(2.77~12.7)
	Heating	Btu/h	27978(8359-30776)	37532(9110-38214)	44356(10100-44800)
		kW	8.2(2.45-9.02)	11.00(2.67-11.2)	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 Power Input	W	2440(560-3400)	3950(680-4930)	4450(750-5450)
	Heating Power Input	W	2210(560-3400)	3150(530-3850)	3750(600-4350)
Performance	SEER/SCOP	W/W	6.19/4.08(F)	6.15/4.12(F)	6.14/4.04(F)
	Energy Rate		A++/A+	A++/A+	A++/A+
	EER/COP	W/W	3.23/3.71	2.66/3.49	2.70/3.47
	Air Flow Volume	m3/h	4100	4000	4200
	Sound Pressure Noise Level	dB(A)	57	61	61
Dimension	Net Dimension (W*D*H)	mm	900×350×700	985×395×808	985×395×808
	Packing Dimension (W*D*H)	mm	1015×415×755	1105×495×895	1105×495×895
Weight	Net	kg	44.5	74	75
	Gross	kg	48	78	79
Piping	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. length for all rooms (m)	m	60	80	80
	Max. length for one IDU (m)	m	30	35	35
	Max. height difference between IDU and OU (m)	m	15	15	15
	Max. height difference between IDUs (m)	m	10	10	10
Ambient Temp (Cooling/Heating)		℃	-10-52℃/-15-24℃	-10-52℃/-15-24℃	-10-52℃/-15-24℃
Stuffing Quantity	20/40/40H	unit	90/189/189	44/96/144	44/96/144

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

AM3-H27/4DR3C



AM4-H36/4DR3、AM5-H42/4DR3



Light Commercial

Outdoor Unit

► Feature



Reliable



Intelligent



Healthy



Comfortable



Efficiency

► Authentication

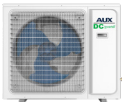




DC Inverter Series-Light Commercial-Outdoors Units

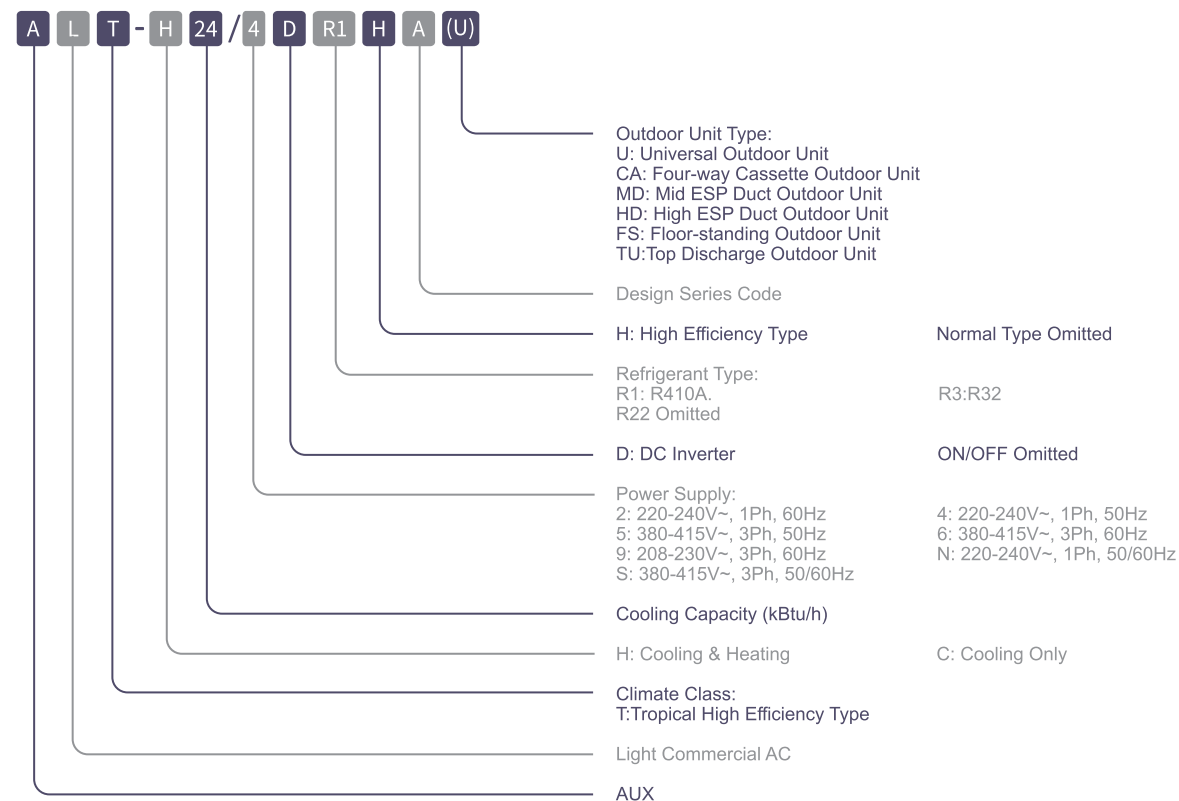
Series	Appearance	Refrigerent	Type	12kBtu/h	18kBtu/h	24kBtu/h	30kBtu/h
Outdoor		R32	Inverter	●	●	●	●

DC Inverter Series-Light Commercial-Outdoors Units

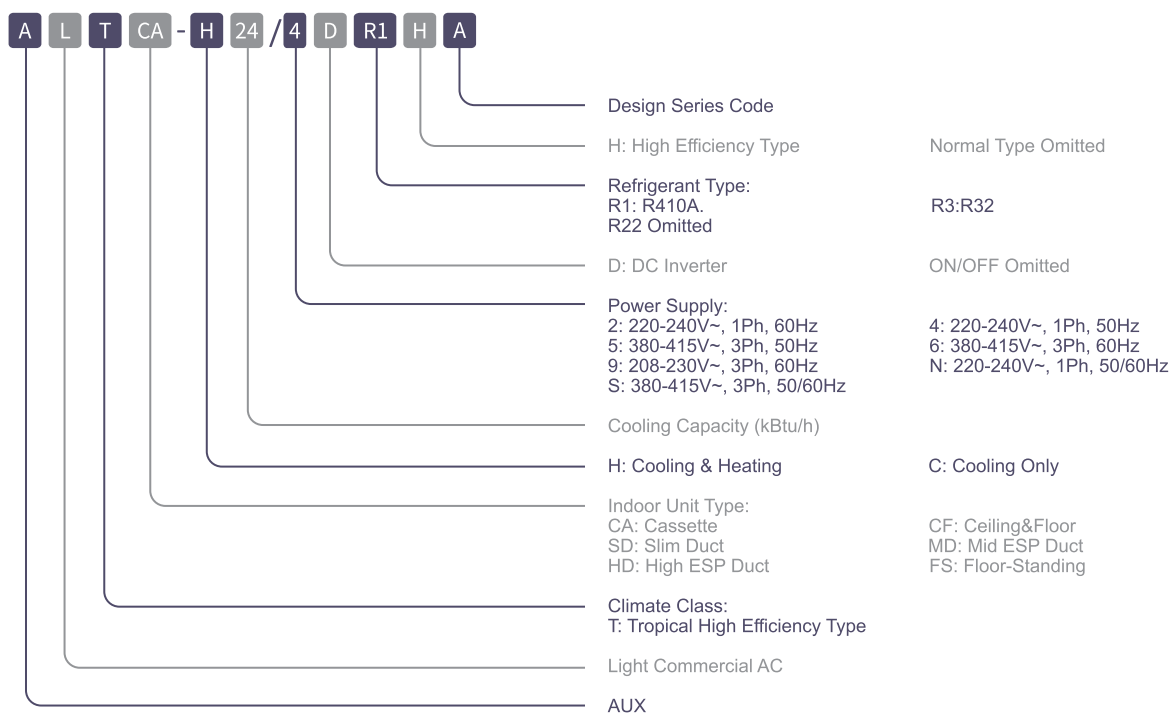
Series	Appearance	Refrigerent	Type	36kBtu/h	42kBtu/h	48kBtu/h	60kBtu/h
Outdoor		R32	Inverter	●	●		
Outdoor		R32	Inverter			●	●

Nomenclature-Light Commercial

Outdoor Unit



Indoor Unit



Feature

► DC inverter

DC inverter compressor and DC fan motor have good efficiency under partial load conditions and are more energy efficient.



► Shock-resistant design

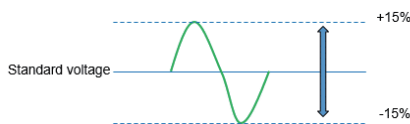
The electronic control system is placed upright, which can effectively reduce the stress of the electronic control system when the unit vibrates and reduce the damage rate of the electronic control system.



► Wide operating range and voltage range

Refrigerating operating range of -15°C-52°C, and heating operating range of -15°C-24°C.

It can operate stably under the condition of voltage fluctuation of ±15%



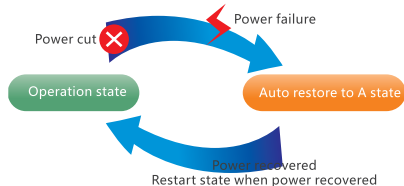
► Outdoor unit rust prevention

The outdoor unit is made of hot-dip galvanized steel with high-temperature pure polyester powder sprayed by Wagner spraying equipment to prevent corrosion and rusting, and to prolong the service life of the unit.



► Automatic restart function

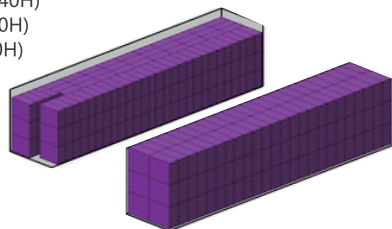
The unit can automatically memorize the operation settings when the power is accidentally cut off; when power is restored, the unit can restore to its previous settings and restart operation automatically.



► Small size design

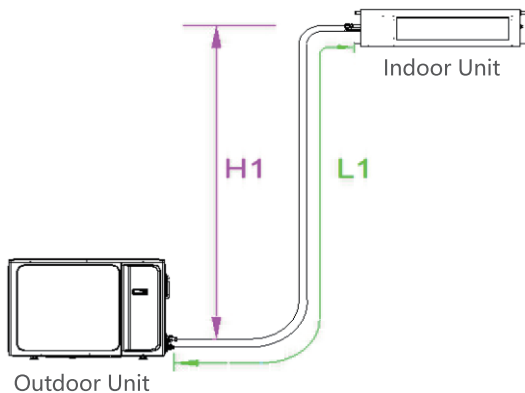
The compact structure design reduces unit dimension and increases packing capacity.

12K: 292→384, (40H)
18K: 292→316, (40H)
30K: 144→183, (40H)



► Flexible installation

The long connecting pipe and high drop design of indoor and outdoor units allow more flexible installation.



Piping Length (m)		
Capacity (K btu/h)	Max. Piping Length L1	Max. Piping High H1
12 K	25m	10m
18 K	30m	20m
24/30 K	50m	25m
36/42/48/60 K	65m	30m

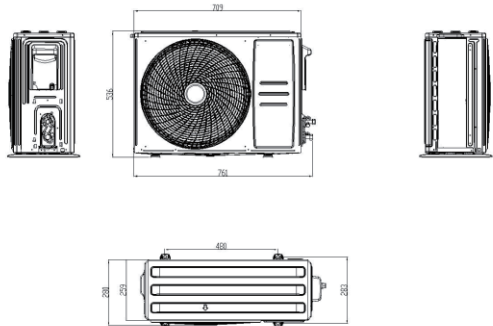
Specification

Specification			AL-H12/NDR3HB2(U)	AL-H18/NDR3HB2(U)	AL-H24/NDR3HB2(U)	AL-H30/NDR3HB2(U)
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
Max. Input Consumption	W		1700	2400	3650	3650
Max. Current	A		9	12	16	16
Air Flow Volume	m³/h		2000	2600	4200	4200
Sound Pressure Noise Level	dB(A)		54	55	58	58
Sound Power Noise Level	dB(A)		64	65	68	68
Dimension(W×D×H)	Net	mm	709×280×536	785×300×555	900×350×700	900×350×700
	Packing	mm	825×345×595	900×380×615	1020×430×770	1020×430×770
Weight	Net/Gross	kg	23/27	29/34	43/48	50/54
	Liquid Side	mm	6.35(1/4)	6.35(1/4)	9.52(3/8)	9.52(3/8)
	Gas Side	mm	12.7(1/2)	12.7(1/2)	15.88(5/8)	15.88(5/8)
Refrigerant Piping	Drainage	mm	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)
	Max. Length	m	25	30	50	50
	Max. Height	m	10	20	25	25
Operation Temperature Range	℃		16~32	16~32	16~32	16~32
Ambient Temperature Range(Cooling/Heating)	℃		-15~52/-15~24	-15~52/-15~24	-15~52/-15~24	-15~52/-15~24
Stuffing Quantity	20/40/40H	Unit	192/384/384	114/237/316	87/183/183	87/183/183

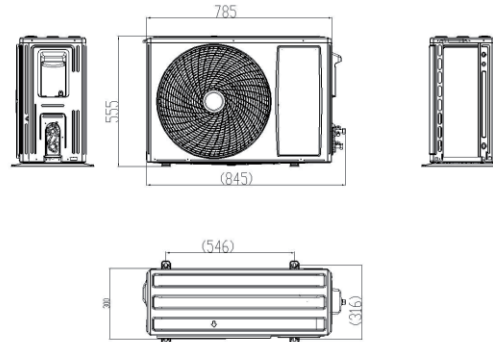
Model			AL-H36/NDR3C2(U)	AL-H42/NDR3C2(U)	AL-H48/SDR3C2(U)	AL-H60/SDR3C2(U)
Power Supply	V~,Hz,Ph		220-240/50/1	220-240/50/1	380-415/50&60/3	380-415/50&60/3
Max. Input Consumption	W		5370	5370	6050	7000
Max. Current	A		23.5	23.5	12.0	12.0
Air Flow Volume	CFM		2471	2471	4235	4235
	m3/h		4200	4200	7200	7200
Sound Pressure Noise Level	dB(A)		59	60	60	60
Sound Power Noise Level	dB(A)		69	70	70	70
Dimension(W×D×H)	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	kg	61	61	81	85
	Gross	kg	65.5	65.5	91	95
Refrigerant Piping	Liquid Side	mm	9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52(3/8)
	Gas Side	mm	15.88(5/8)	15.88(5/8)	15.88(5/8)	15.88(5/8)
	Drainage	mm	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)
	Max. Length	m	65	65	65	65
Refrigerant Piping	Max. Height	m	30	30	30	30
Operation Temperature Range	℃		16~32	16~32	16~32	16~32
Ambient Temperature Range(Cooling/Heating)	℃		-15~52/-15~24	-15~52/-15~24	-15~52/-15~24	-15~52/-15~24
Stuffing Quantity	20/40/40H	Unit	44/96/96	44/96/96	27/55/55	27/55/55

Dimension

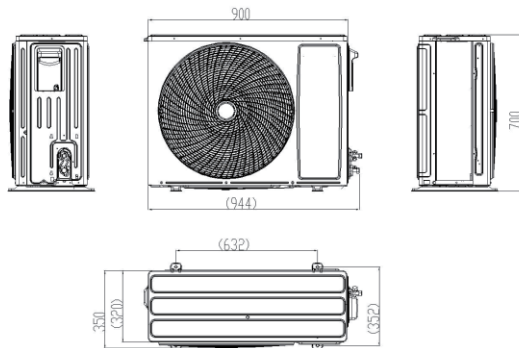
AL-H12/NDR3HB2(U)



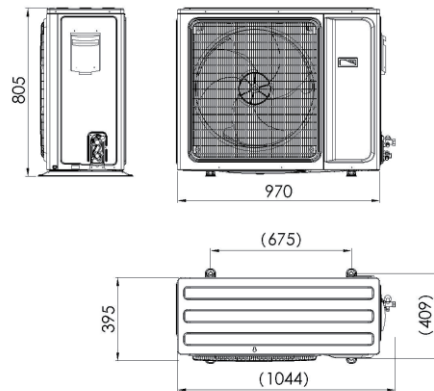
AL-H18/NDR3HB2(U)



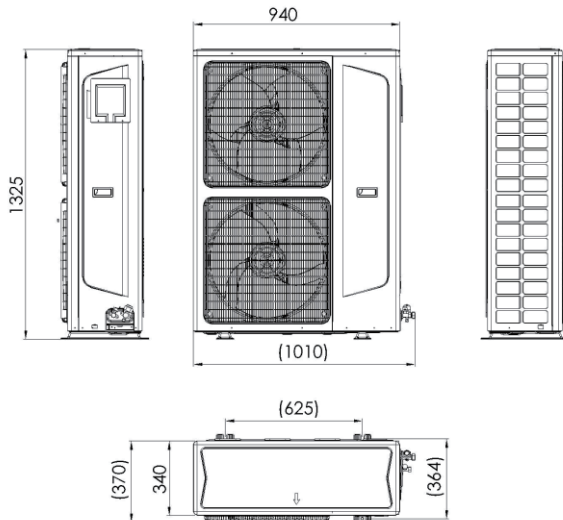
AL-H24/NDR3HB2(U)、AL-H30/NDR3HB2(U)



AL-H36/NDR3C2(U)、AL-H42/NDR3C2(U)



AL-H48/SDR3C2(U)、AL-H60/SDR3C2(U)



Indoor Unit

Free Match &
Light Commercial

► Feature



Reliable



Intelligent



Healthy



Comfortable



Efficiency

► Authentication



J SERIES

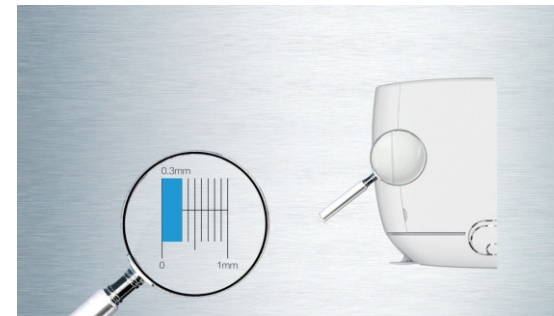
Free-Match



Feature

► Appearance integrated design

Exquisite assembly process, with appearance gap spacing <0.3 mm, making the visual appearance integrated.



► Removable lower cover

The lower cover is of removable design and can be installed by 1 engineer.



Engineer to 1



Installation time reduce by half

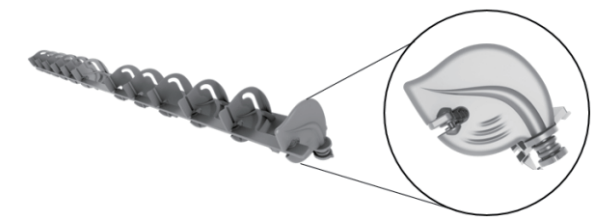
► Switch-type sealing knob

The screws are replaced by switch-type sealing knob for easy installation and removal.



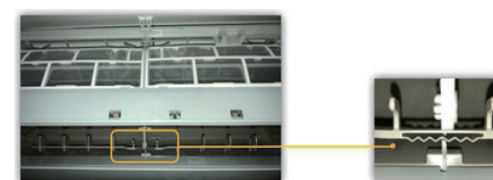
► Arc-shaped fin guide

The arc-shaped fin guide design can optimize the air supply duct and improve the air supply distance.



► Wave-shaped air guide vane

The wave-shaped left and right air guide vane design makes the airflow longer and more uniform.



► Pluggable PCB(only 12K)

Just remove the machine panel, then you can complete the PCB replacement and repair, efficient and quickly.

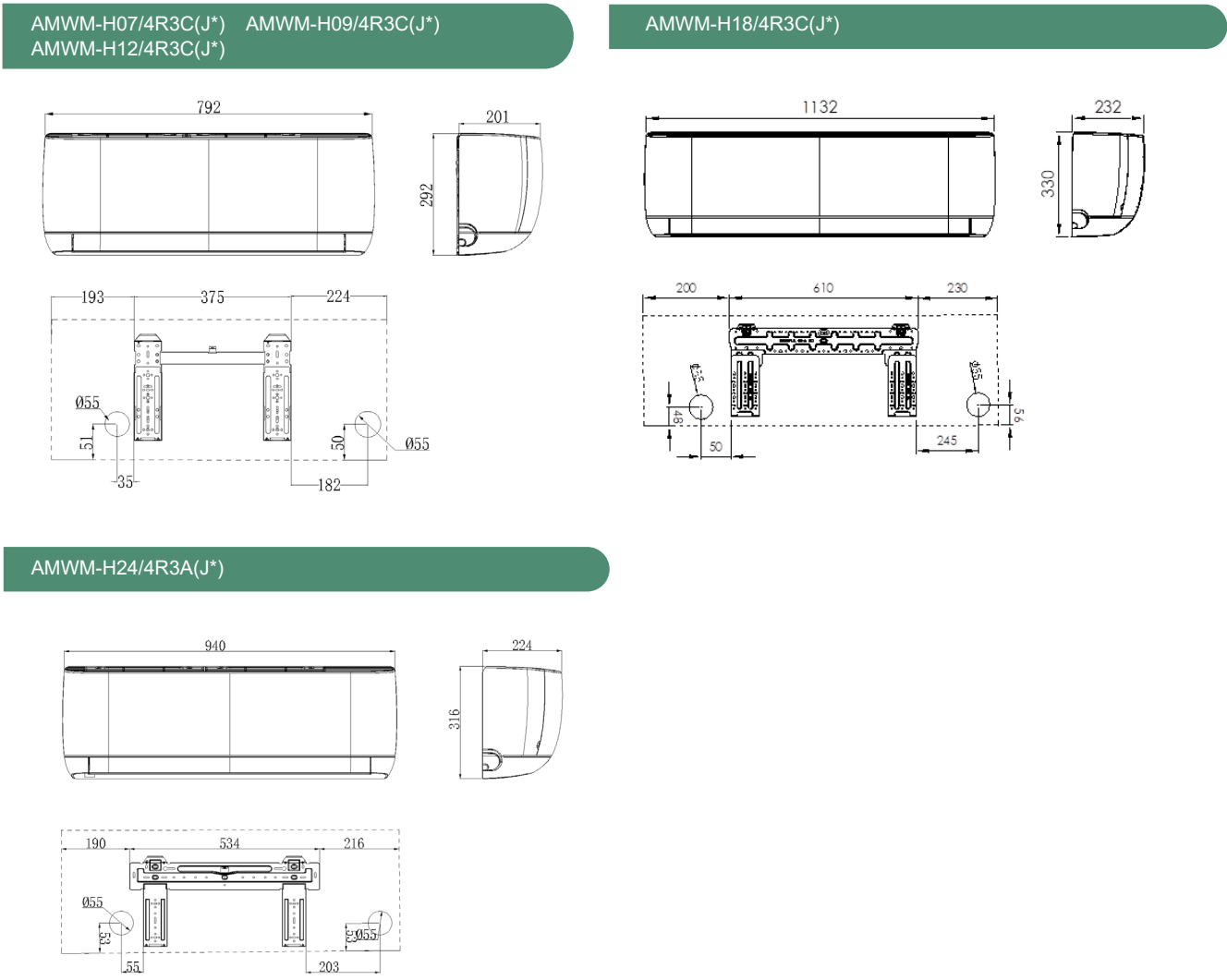


Specification

Model	Indoor		AMWM-H07/4R3C(J*)	AMWM-H09/4R3C(J*)	AMWM-H12/4R3C(J*)
Capacity	Cooling	Btu/h	7000(3855-9220)	9000(4780-11260)	12000(5800-12625)
		kW	2.05(1.13-2.70)	2.64(1.40-3.30)	3.52(1.70-3.70)
	Heating	Btu/h	8000(3340-8530)	10000(4095-10240)	13000(6930-15080)
		kW	2.35(0.98-2.50)	2.93(1.20-3.00)	3.81(2.03-4.42)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1
	Cooling Power Input	W	40	40	40
	Heating Power Input	W	40	40	40
Performance	Air Flow Volume	CFM	353	353	353
		m3/h	600	600	600
	Sound Pressure Noise Level	dB(A)	40/36/32	40/36/32	41/37/33
Dimension	Net Dimension (W*D*H) mm		792*292*201	792*292*201	792*292*201
	Packing Dimension (W*D*H) mm		880*370*290	880*370*290	880*370*290
Weight	Net	kg	8.0	8.0	8.0
	Gross	kg	10.5	10.5	10.5
Pipe Diameter	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	16.9	16.9	16.9
Stuffing Quantity	20/40/40H	unit	330/689/778	330/689/778	330/689/778

Model	Indoor		AMWM-H18/4R3C(J*)	AMWM-H24/4R3A(J*)
Capacity	Cooling	Btu/h	17980(8530-19790)	23542(9895~24908)
		kW	5.27(2.50-5.80)	6.90(2.90~7.30)
	Heating	Btu/h	18350(7680-19790)	24054(7165~27296)
		kW	5.38(2.25-5.80)	7.05(2.10~8.00)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1
	Cooling Power Input	W	63	63(16~88)
	Heating Power Input	W	63	63(16~88)
Performance	Air Flow Volume	CFM	530	765
		m3/h	900	1300
	Sound Pressure Noise Level	dB(A)	46/42/36	46/42/37
Dimension	Net Dimension (W*D*H) mm		940*316*224	1132*330*232
	Packing Dimension (W*D*H) mm		1010*385*307	1200*390*305
Weight	Net	kg	10.5	14.0
	Gross	kg	13.5	17.0
Pipe Diameter	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	16.9	16.5
Stuffing Quantity	20/40/40H	unit	262/532/602	196/400/464

Dimension



H SERIES

Free-Match



Feature

► Elegant appearance

hidden air outlet design;
Japanese style, with visual thickness of 145 mm.



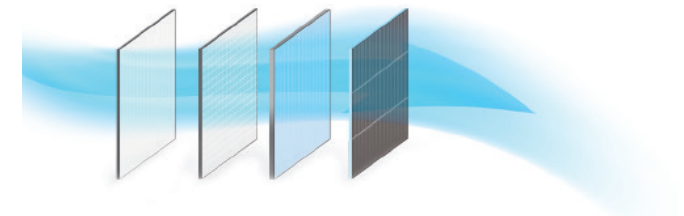
Hidden air outlet
gap 0.5mm→0mm
Elegant appearance with hidden air outlet gap that prevents dust from entering through the aperture.

Japanese style ,
Visual thickness 145mm
The indoor unit design with the front and rear two-stage suspension, making the body floating gently on the wall.



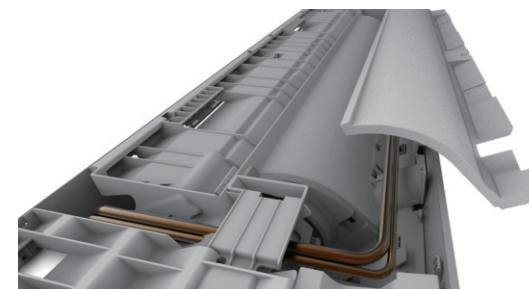
► High density filter

High density filter, with 20% higher filter efficiency than ordinary filter.



► Nanoscale chassis protection foam

Adopt integrated nanoscale protection foam, with moisture resistance and heat preservation improved significantly.



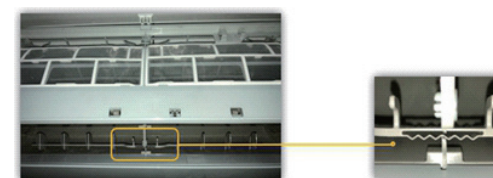
► Switch-type sealing knob

The screws are replaced by switch-type sealing knob for easy installation and removal.



► Wave-shaped air guide vane

The wave-shaped left and right air guide vane design makes the airflow longer and more uniform.



► Pluggable PCB(only 12K)

Just remove the machine panel, then you can complete the PCB replacement and repair, efficient and quickly.

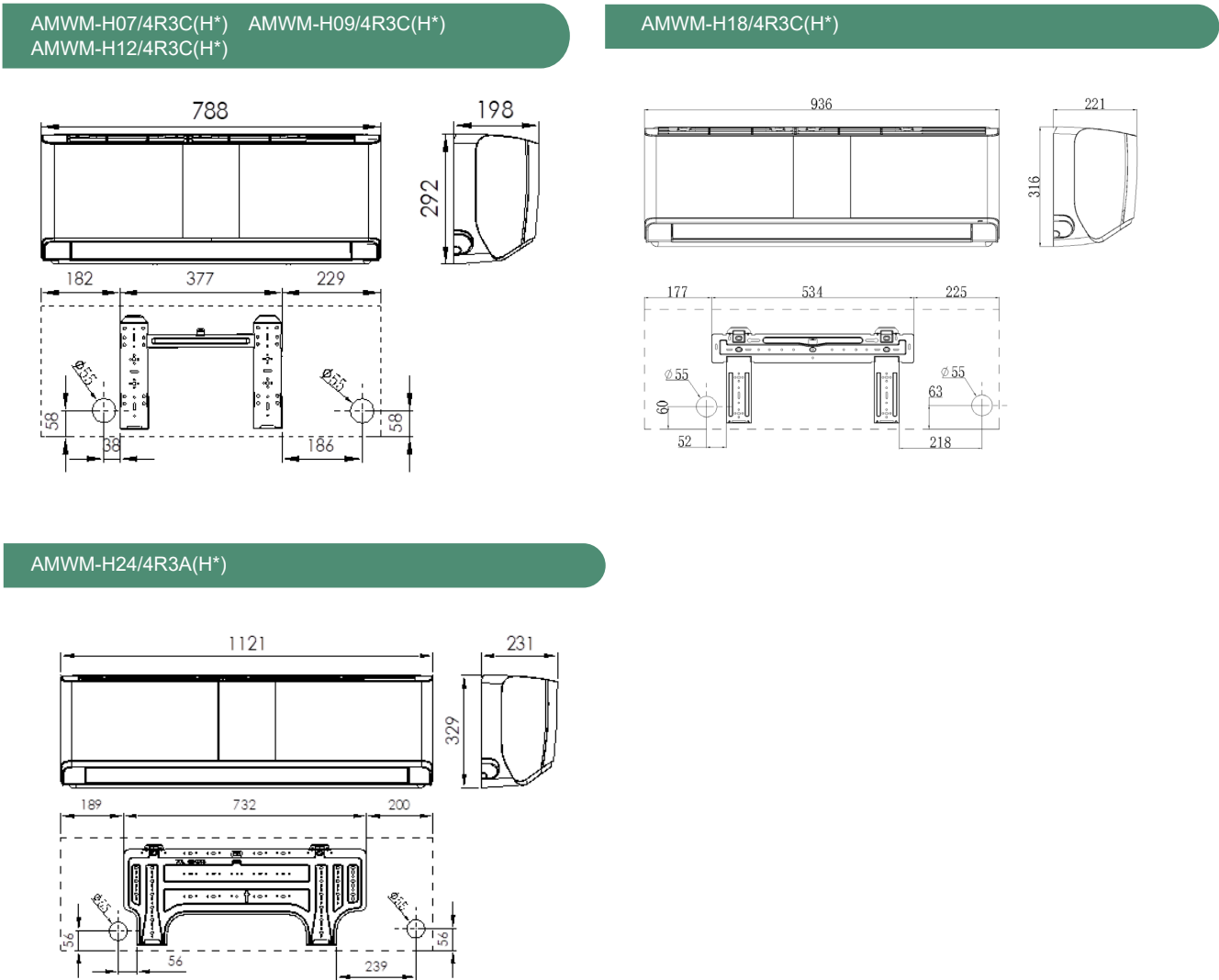


Specification

Model	Indoor		AMWM-H07/4R3C(H*)	AMWM-H09/4R3C(H*)	AMWM-H12/4R3C(H*)
Capacity	Cooling	Btu/h	7000(3855-9220)	9000(4780-11260)	12000(5800-12625)
		kW	2.05(1.13-2.70)	2.64(1.40-3.30)	3.52(1.70-3.70)
	Heating	Btu/h	8000(3340-8530)	10000(4095-10240)	13000(6930-15080)
		kW	2.35(0.98-2.50)	2.93(1.20-3.00)	3.81(2.03-4.42)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1
	Cooling Power Input	W	40	40	40
	Heating Power Input	W	40	40	40
Performance	Air Flow Volume	CFM	353	353	353
		m3/h	600	600	600
	Sound Pressure Noise Level	dB(A)	40/38/34	40/38/34	41/39/35
Dimension	Net Dimension (W*D*H)	mm	788*292*198	788*292*198	788*292*198
	Packing Dimension (W*D*H)	mm	880*370*290	880*370*290	880*370*290
Weight	Net	kg	8.0	8.0	8.0
	Gross	kg	10.0	10.0	10.0
Pipe Diameter	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	16.9	16.9	16.9
Stuffing Quantity	20/40/40H	unit	330/689/778	330/689/778	330/689/778

Model	Indoor		AMWM-H18/4R3C(H*)	AMWM-H24/4R3A(H*)
Capacity	Cooling	Btu/h	17980(8530-19790)	23542(9895~24908)
		kW	5.27(2.50-5.80)	6.90(2.90~7.30)
	Heating	Btu/h	18350(7680-19790)	24054(7165~27296)
		kW	5.38(2.25-5.80)	7.05(2.10~8.00)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1
	Cooling Power Input	W	63	63(16~88)
	Heating Power Input	W	63	63(16~88)
Performance	Air Flow Volume	CFM	530	765
		m3/h	900	1300
	Sound Pressure Noise Level	dB(A)	46/42/36	46/42/37
Dimension	Net Dimension (W*D*H)	mm	936*316*221	1121*329*231
	Packing Dimension (W*D*H)	mm	1010*385*307	1210*400*327
Weight	Net	kg	10.5	15.0
	Gross	kg	13.0	18.0
Pipe Diameter	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	16.9	16.9
Stuffing Quantity	20/40/40H	unit	262/532/602	196/400/464

Dimension



Q SERIES

Free-Match



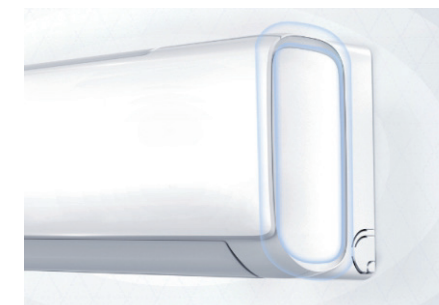
Feature

► Mirror polished panel

With smooth texture, more luster, no aging, dust proof and lasting beauty.



► Overall roundness appearance



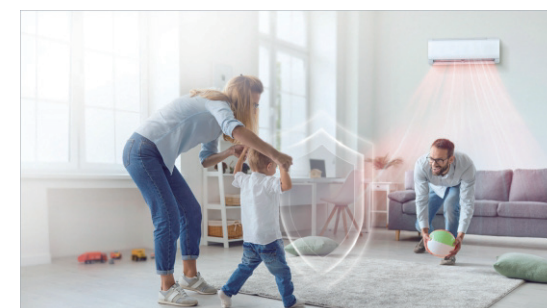
► Pneumatic maintenance deflector

The air supply distance can reach up to 15 m, cooling to every corner, and providing a more comfortable environment.



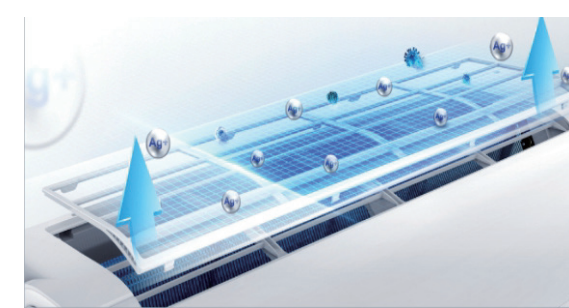
► Anti-cold air design

The optimized fan control logic prevents the occurrence of sudden cold air blowing in the process of heating and air supply.



► Removable silver ion antibacterial filter

We optimized the filter disassembly structure, so that the filter can be quickly disassembled and installed when silver ions need to be added. The sterilization and antifungal rate of the filter is over 99%.

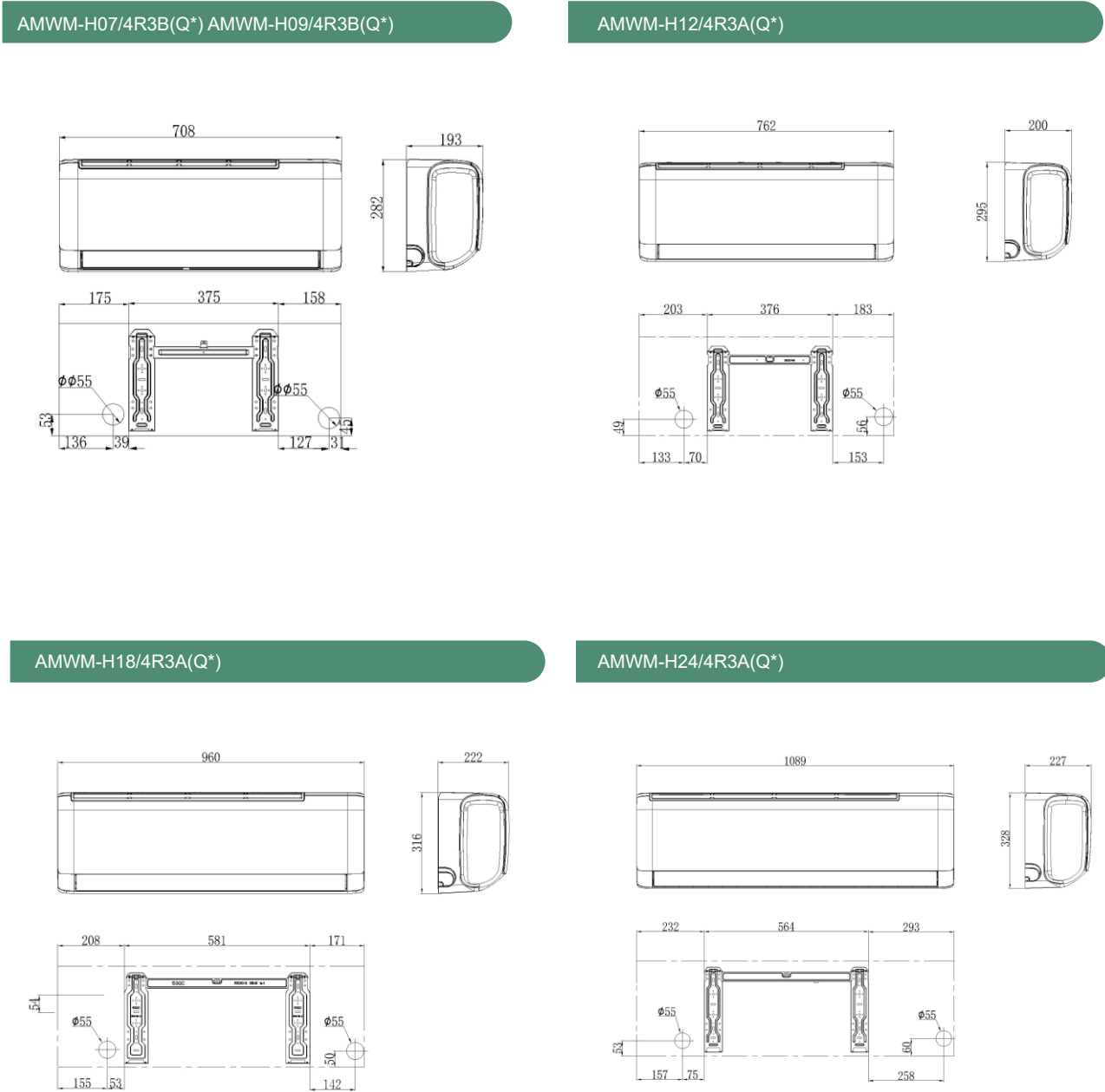


Specification

Model	Indoor		AMWM-H07/4R3B(Q*)	AMWM-H09/4R3B(Q*)	AMWM-H12/4R3A(Q*)
Capacity	Cooling	Btu/h	7000 (3855-9220)	9000(4780-11260)	12000(5800-12625)
		kW	2.05 (1.13-2.70)	2.60(1.40-3.30)	3.52 (1.70-3.70)
	Heating	Btu/h	7400 (3340-8530)	10000(4095-10240)	13000(6140-13300)
		kW	2.15 (0.98-2.50)	2.93(1.2-3.00)	3.8 (1.80-3.90)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1
	Cooling Power Input	W	20	20	40 (12 ~ 68)
	Heating Power Input	W	20	20	40 (12 ~ 68)
Performance	Air Flow Volume	m³/h	550	550	600
	Sound Pressure Noise Level	dB(A)	40	40	40/36/32
	Sound Power Noise Level	dB(A)	53	53	54
Dimension	Net Dimension (W*D*H)	mm	708×282×193	708×282×193	762×295×200
	Packing Dimension (W*D*H)	mm	765×351×269	765×351×269	825×367×277
Weight	Net/Gross	kg	7/8.5	7/8.5	8/10
Pipe Diameter	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	16.9	16.9	16.9
Stuffing Quantity	20/40/40H	unit	444/914/1024	444/914/1024	366/743/859

Model	Indoor		AMWM-H18/4R3A(Q*)	AMWM-H24/4R3A(Q*)
Capacity	Cooling	Btu/h	18015(8530-19790)	23542(9895-24908)
		kW	5.28(2.50-5.80)	6.90(2.90-7.30)
	Heating	Btu/h	18085(7680-19790)	24054(7165-27296)
		kW	5.37(2.25-5.80)	7.05(2.10-8.00)
Electric Data	Power Supply	V~,Hz,Ph	220 ~ 240,50,1	220 ~ 240,50,1
	Cooling Power Input	W	58(16 ~ 88)	63(16-88)
	Heating Power Input	W	58(16 ~ 88)	63(16-88)
Performance	Air Flow Volume	m³/h	950	1300
	Sound Pressure Noise Level	dB(A)	46/42/37	48/45/40
	Sound Power Noise Level	dB(A)	58	63
Dimension	Net Dimension (W*D*H)	mm	960×316×222	1089×328×227
	Packing Dimension (W*D*H)	mm	1020×377×307	1155×397×312
Weight	Net/Gross	kg	11/13	12.5/15
Pipe Diameter	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	16.9	16.9
Stuffing Quantity	20/40/40H	unit	272/558/619	224/457/512

Dimension



F SERIES

Free-Match



Feature

► 4D AIR FLOW

Helps to improve air distribution and flow, makes you feel more comfortable.



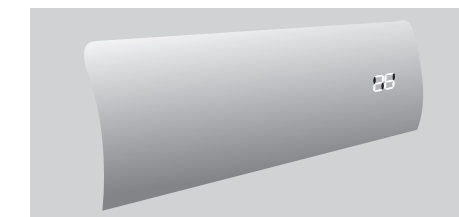
► SELF-CLEANING

Prevents the breeding of bacteria.



► AESTHETIC

Graceful alivery flanging .



► TEXTURE

ABS high light panel,LED eye-protection screen .

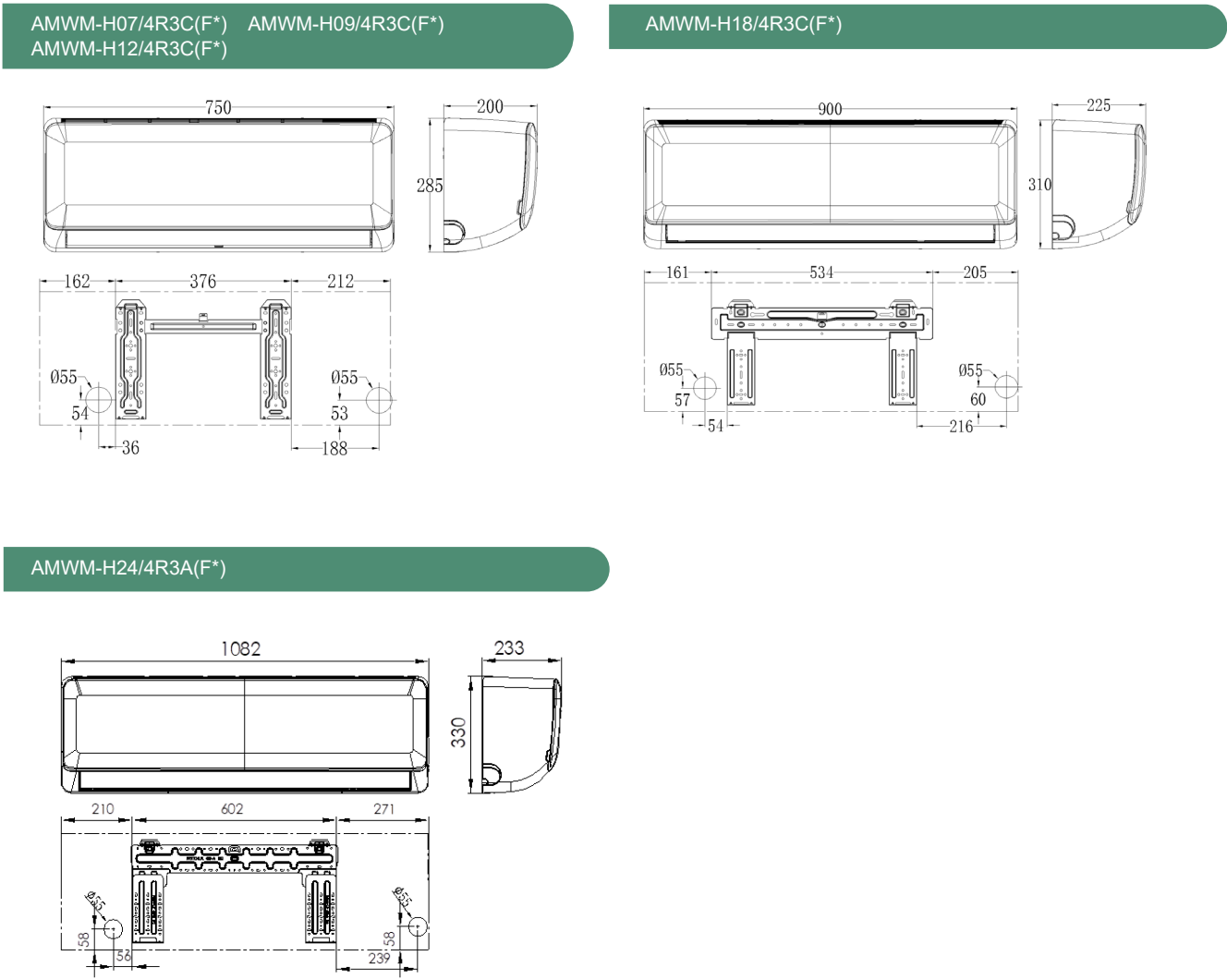


Specification

Model	Indoor		AMWM-H07/4R3C(F*)	AMWM-H09/4R3C(F*)	AMWM-H12/4R3C(F*)
Capacity	Cooling	Btu/h	7000(3855-9220)	9000(4780-11260)	12000(5800-12625)
		kW	2.05(1.13-2.70)	2.64(1.40-3.30)	3.52(1.70-3.70)
	Heating	Btu/h	8000(3340-8530)	10000(4095-10240)	13000(6930-15080)
		kW	2.35(0.98-2.50)	2.93(1.20-3.00)	3.81(2.03-4.42)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1
	Cooling Power Input	W	40	40	40
	Heating Power Input	W	40	40	40
Performance	Air Flow Volume	CFM	353	353	353
		m3/h	600	600	600
	Sound Pressure Noise Level	dB(A)	40/36/32	40/36/32	41/37/33
Dimension	Net Dimension (W*D*H) mm		750*285*200	750*285*200	750*285*200
	Packing Dimension (W*D*H) mm		820*347*277	820*347*277	820*347*277
Weight	Net	kg	7.5	7.5	7.5
	Gross	kg	9.5	9.5	9.5
Pipe Diameter	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	16.9	16.9	16.9
Stuffing Quantity	20/40/40H	unit	400/814/912	400/814/912	400/814/912

Model	Indoor		AMWM-H18/4R3C(F*)	AMWM-H24/4R3A(F*)
Capacity	Cooling	Btu/h	17980(8530-19790)	23542(9895~24908)
		kW	5.27(2.50-5.80)	6.90(2.90~7.30)
	Heating	Btu/h	18350(7680-19790)	24054(7165~27296)
		kW	5.38(2.25-5.80)	7.05(2.10~8.00)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1
	Cooling Power Input	W	63	63(16~88)
	Heating Power Input	W	63	63(16~88)
Performance	Air Flow Volume	CFM	530	765
		m3/h	900	1300
	Sound Pressure Noise Level	dB(A)	46/40/35	46/42/37
Dimension	Net Dimension (W*D*H) mm		900*310*225	1082*330*233
	Packing Dimension (W*D*H) mm		970*382*302	1135*390*302
Weight	Net	kg	9.5	15.0
	Gross	kg	12.5	16.5
Pipe Diameter	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	16.9	16.5
Stuffing Quantity	20/40/40H	unit	280/578/652	224/457/512

Dimension



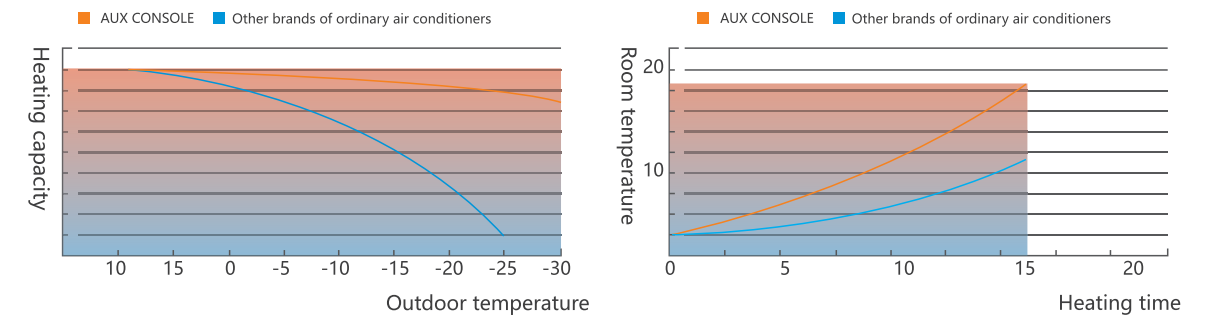
CONSOLE

Free-Match & Light Commercial

Feature

► Super heating capacity

Full DC inverter control, which can easily cope with various harsh climatic conditions in winter.



► Free choice of bottom air outlet and top air outlet

Users can freely choose the air outlet position according to the usage scenario and usage habits. If you select bottom air outlet, the usage effect is similar to floor heating; if you select top air outlet, the heating speed is faster than floor heating, making the use effect more comfortable.



► Wide operating range

The machine is equipped with a long-lasting purification filter inside, with longer purification time, fresher and healthier indoor air.



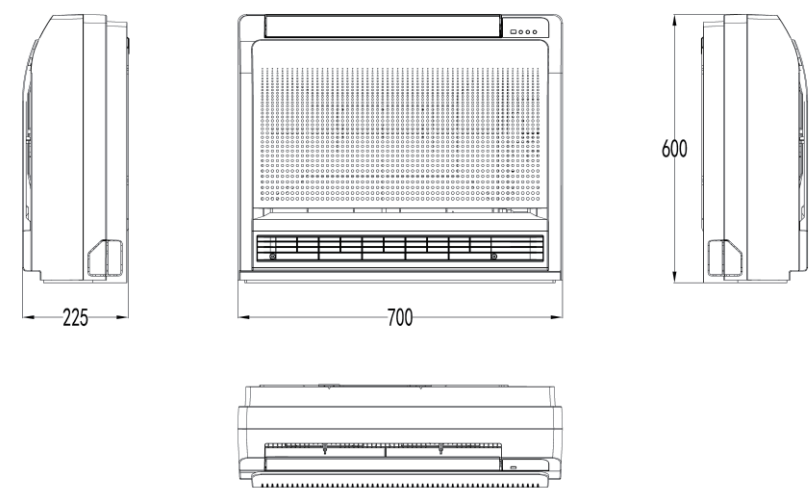
Specification-Free Match

Model	Indoor		AUCO-H09/4DR3HA	AUCO-H12/4DR3HA	AUCO-H18/4DR3HA
Capacity	Cooling	Btu/h	8872(5120-12115)	12285(5800-12625)	16036(8530-16378)
		kW	2.60(1.50-3.55)	3.50(1.70-3.70)	4.70(2.50-4.80)
	Heating	Btu/h	9560(5120-12115)	12625(5120-12625)	17060(8530-19107)
		kW	2.80(1.50-3.55)	3.50(1.50-3.70)	5.0(2.50-5.6)
Electric Data	Power Supply	V~,Hz,Ph	220-240,50,1	220-240,50,1	220-240,50,1
	Cooling Power Input	W	40(20-65)	40(20-65)	55(20-80)
	Heating Power Input	W	40(20-65)	40(20-65)	55(20-80)
Performance	Air Volume	m3/h	600/530/430	600/530/430	650/550/450
	Sound Pressure Noise Level	dB(A)	42/39/36	42/39/36	44/40/37
	Sound Power Noise Level	dB(A)	52	52	54
Dimension	Net Dim (W*D*H)	mm	700×225×600	700×225×600	700×225×600
	Packing Dim(W*D*H)	mm	780×300×675	780×300×675	780×300×675
Weight	Net/Gross	kg	15/19	15/19	15/19
Pipe Dia	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	20	20	20
Loading Qty	20/40/40H	unit	198/411/462	198/411/462	198/411/462

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

Dimension

AUCO-H09/4DR3HA AUCO-H12/4DR3HA AUCO-H18/4DR3HA



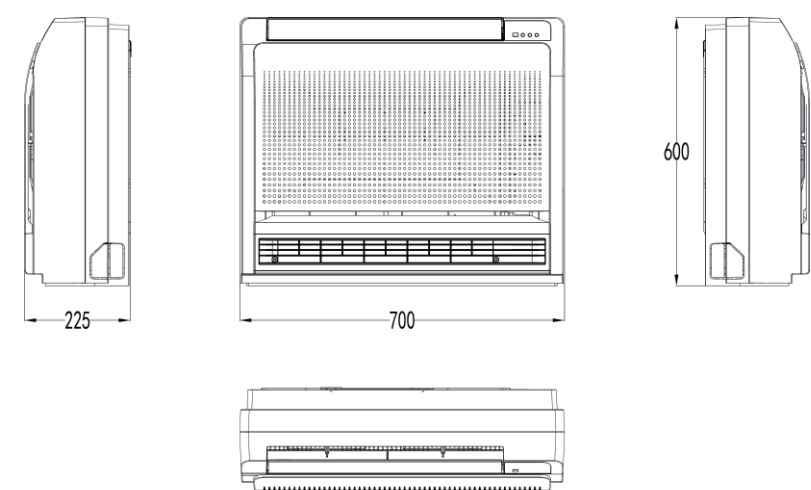
Specification-Light Commercial

Sale Model	Indoor Outdoor		AUCO-H12/4DR3HA AL-H12/NDR3HB2(U)	AUCO-H18/4DR3HA AL-H18/NDR3HB2(U)
IDU Power Supply		V~,Hz,Ph	220-240/50&60/1	220-240/50&60/1
Capacity	Cooling	Btu/h	12000(4600-15000)	16036(5200-19100)
		KW	3.50(1.35-4.40)	4.70(1.53-5.60)
	Heating	Btu/h	12000 (4200-18100)	17060(4800-21200)
		KW	3.50(1.24-5.30)	5.00(1.40-6.20)
Electric Data	Rated Cooling Power Input	KW	1.03(0.26 ~ 1.60)	1.45(0.47 ~ 2.30)
	Rated Heating Power Input	KW	0.94(0.19 ~ 1.51)	1.34(0.46 ~ 2.25)
	Rated Cooling Current	A	4.48(1.13 ~ 6.96)	6.30(2.04 ~ 10.00)
	Rated Heating Current	A	4.09(0.83 ~ 6.57)	5.83(2.00 ~ 9.78)
Performance	EER/COP	W/W	3.40/3.72	3.24/3.73
	SEER/SCOP	W/W	6.1/4.0	6.1/4.0
Indoor Unit	Air Flow Volume	m3/h	600/530/430	650/550/450
		CFM	353/312/253	382/324/265
	Sound Pressure Noise	dB(A)	42/39/36	44/40/37
	Sound Power Noise Level	dB(A)	52	56
	Net Dimension (W*D*H)	mm	700×225×600	700×225×600
	Packing Dimension (W*D*H)	mm	780×300×675	780×300×675
Refrigerant Pipe	Net/Gross Weight	Kg	15/19	15/19
	Liquid Side	mm	6.35(1/4)	6.35(1/4)
	Gas Side	mm	12.7(1/2)	12.7(1/2)
	Drainage	mm	R3/4in(DN20)	R3/4in(DN20)
Wired/Remote Controller			YKR-L/300-HYE	YKR-L/300-HYE
St μ Ffing Quantity	20/40/40H	Set	90/188/205	75/154/189

1. Parameters above are all measured when the connecting pipe is 5 meters.
2. Parameters above may be modified as product improvement. We keep the right to change the product specifications without prior notice, please take the parameters listed on the nameplate as criterion

Dimension

AUCO-H12/4DR3HA AUCO-H18/4DR3HA



CASSETTE Y

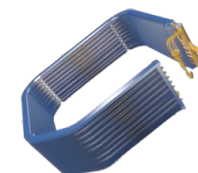
Free-Match & Light Commercial



Feature

► 5-fold exchanger

The evaporator adopts a 5-fold evaporator, which has a larger heat exchange area and a 12% increase in heat exchange efficiency compared to traditional 4-fold evaporators.



► Round-way air supply

Round flow panel make the air diffuse from 360°direction, and the temperature distribution is more uniform.



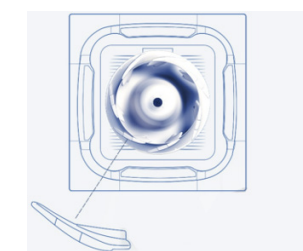
► long distance air supply

The air supply distance reaches 4m, meeting the air supply requirements for tall spaces.



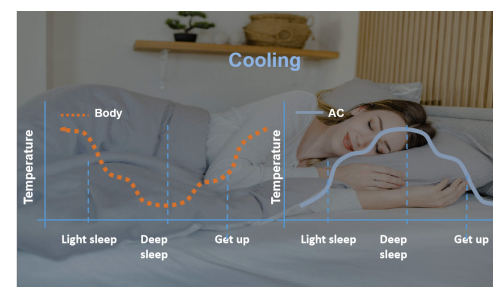
► Big air volume

Adopting a large-diameter spiral wind wheel for larger air volume and lower noise.



► Sleeping mode

Turn on sleep mode at night, no need to worry about being too cold or too hot, and sleep comfortably all night long.



► Central control function

Optional dry node function, when the unit senses the window opening or sensing the fire, the unit will automatically shut down.



Feature

► Screen display function

When the unit is running, the light panel icon can be set to display or not to display to meet the needs of different customers.



► Fresh air

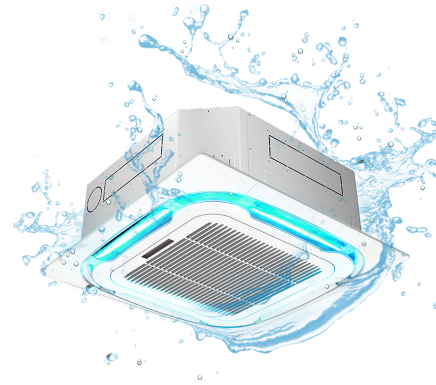
And long-term use will not cause dizziness, healthy and comfortable.



Fresh air intake

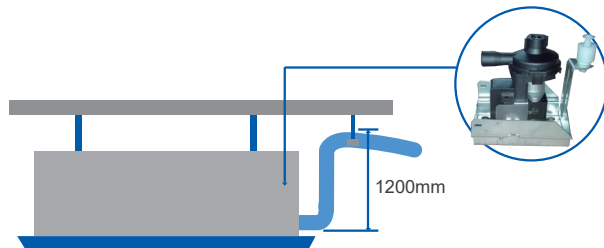
► Auto clean

Automatic cleaning of evaporator, cleaning of dust and dirt, healthy and comfortable.



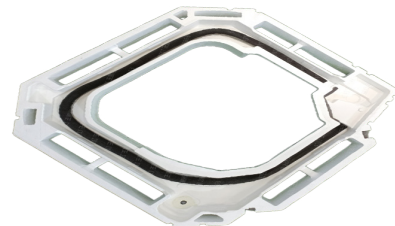
► Built-in Drain Pump

Built in drainage pump with a lift of up to 1200mm, suitable for more installation occasions and more efficient drainage.



► Anti-leakage water pan

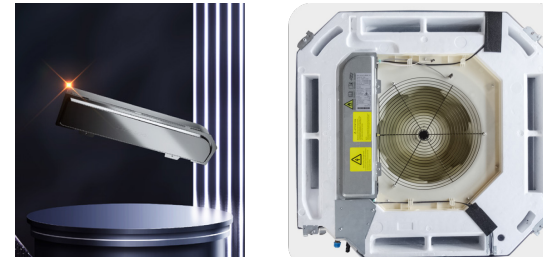
Using 1.5mm thick plastic drain pan, with high waterproof performance and effective prevention of water seepage.



Feature

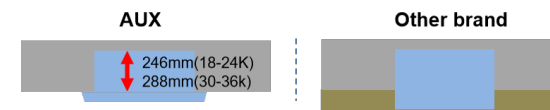
► Fire-proof covercover

The fireproof electric control box made of metal materials has higher safety, ensuring the safe operation of the unit.



► Compact body size

The thickness of the body is 246mm, occupying less ceiling space and making installation more convenient.



► Wifi room card

Optional WiFi, room card, and centralized control functions to meet intelligent needs.



► Reliable control board

Hot melt adhesive is applied around the electronic components to keep the components stable.



► Removable grille

No need for tools, just press lightly to open the grille, making installation more convenient.



► Weekly timer

Set the operating time of the unit in one week, without having to manually turn it on every time, and no need to worry about forget to turn off the unit after getting off work.



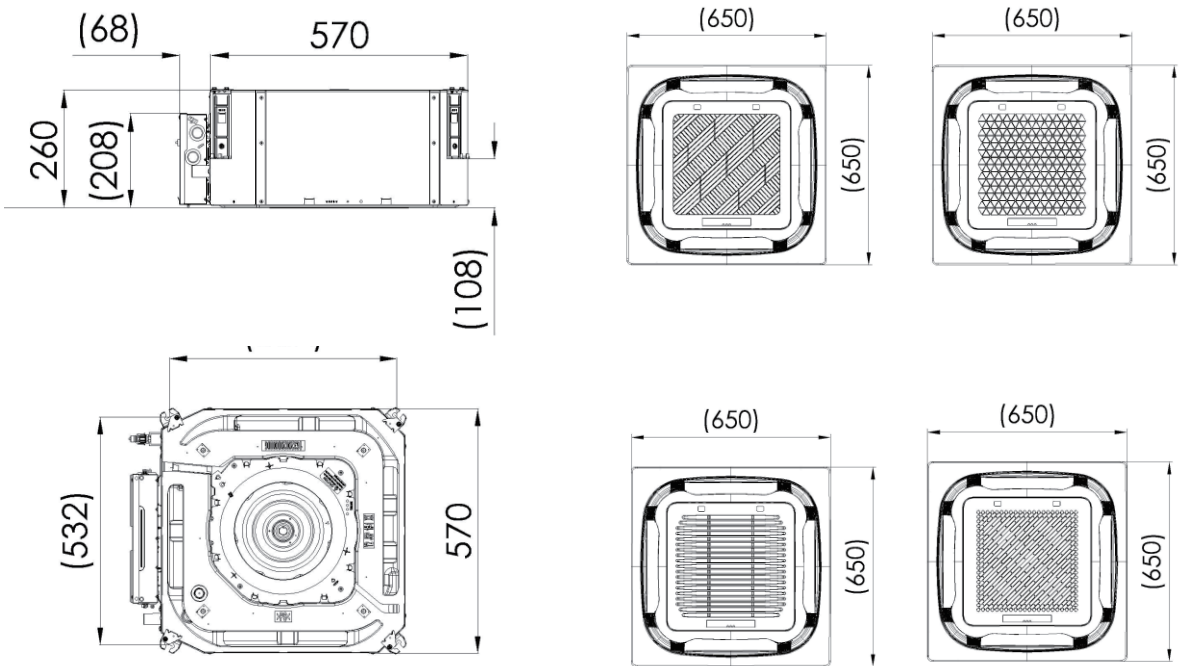
Specification-Free Match

Model	Indoor		AUCA-H09/4DR3HYAB	AUCA-H12/4DR3HYAB
Capacity	Cooling	Btu/h	9560(5120~12115)	12010(5800~12625)
		kW	2.80(1.50~3.55)	3.52(1.70~3.70)
	Heating	Btu/h	10240(5460~13000)	13000(6930~15080)
		kW	3.00(1.60~3.81)	3.81(2.03~4.42)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1
	Cooling Power Input	W	40(12 ~ 68)	40(12 ~ 68)
	Heating Power Input	W	40(12 ~ 68)	40(12 ~ 68)
Performance	Air Flow Volume	m3/h	700/620/530	700/620/530
	Sound Pressure Level	dB(A)	42/36/32	42/36/32
	Sound Power Level	dB(A)	52	52
Dimension	Net Dim (W*D*H)	mm	570×570×260	570×570×260
	Packing Dim (W*D*H)	mm	720×650×290	720×650×290
	Net(Panel)	mm	650×650×55	650×650×55
	Packing(Panel)	mm	710×710×80	710×710×80
Weight	Net/Gross(Body)	kg	14.5/17	14.5/17
	Net/Gross(Panel)	kg	2.2/3.7	2.2/3.7
Pipe Dia	Liquid Side	mm(inch)	6.35(1/4)	6.35(1/4)
	Gas Side	mm(inch)	12.7(1/2)	12.7(1/2)
	Drainage	mm	20	20
Loading Qty	20/40/40H	unit	235/470/537	235/470/537

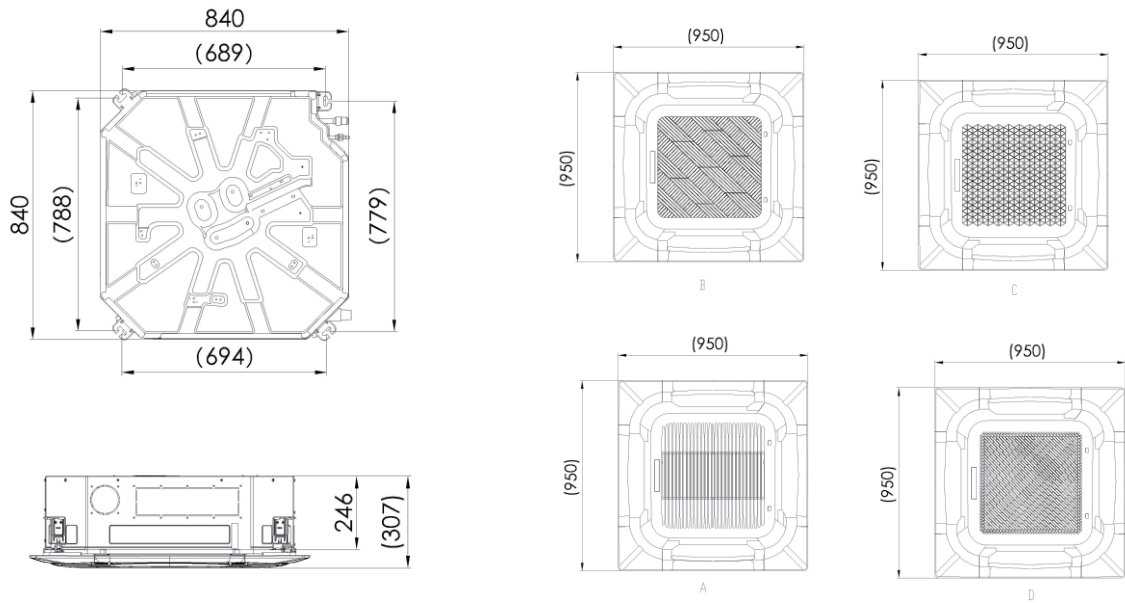
Model	Indoor		AUCA-H18/4DR3HYAB	AUCA-H24/4DR3HYAB
Capacity	Cooling	Btu/h	18015(8530~19107)	24000(7400~28000)
		kW	5.28(2.50~5.6)	7.00(2.16~8.20)
	Heating	Btu/h	19107(10340~24000)	27300(6800~31700)
		kW	5.60(3.03~7.03)	8.00(1.98~9.30)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1
	Cooling Power Input	W	40(12 ~ 68)	110(27.5~171)
	Heating Power Input	W	40(12 ~ 68)	110(27.5~171)
Performance	Air Flow Volume	m3/h	760/650/580	1400/1350/1150
	Sound Pressure Level	dB(A)	45/40/38	47/45/42
	Sound Power Level	dB(A)	56	57
Dimension	Net Dim (W*D*H)	mm	570×570×260	840×840×246
	Packing Dim (W*D*H)	mm	720×650×290	910×910×310
	Net(Panel)	mm	650×650×55	950×950×55
	Packing(Panel)	mm	710×710×80	1000×1000×100
Weight	Net/Gross(Body)	kg	15/17.5	26/30
	Net/Gross(Panel)	kg	2.2/3.7	5.3/7.8
Pipe Dia	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	20	20
Loading Qty	20/40/40H	unit	235/470/537	36/76/86

Dimension-Free Match

AUCA-H09/4DR3HYAB AUCA-H12/4DR3HYAB AUCA-H18/4DR3HYAB



AUCA-H24/4DR3HYAB



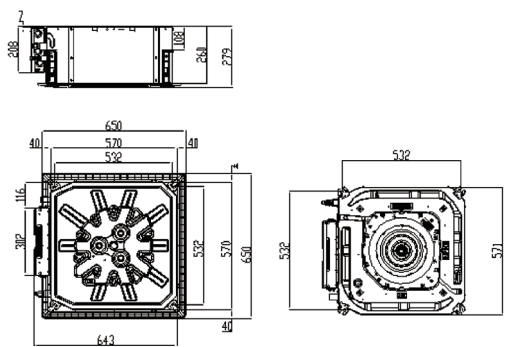
Specification-Light Commercial

Model		Indoor	AUCA-H12/4DR3HYAB	AUCA-H18/4DR3HYAB	AUCA-H24/4DR3HYAB
IDU Power Supply		V~,Hz,Ph	220-240/50&60/1	220-240/50&60/1	220-240/50&60/1
Capacity	Cooling	Btu/h	12000(4600-15000)	18000(5200~19100)	24000(7400~28000)
		KW	3.52(1.35~4.40)	5.28(1.53~5.60)	7.03(2.16~8.20)
	Heating	Btu/h	13000 (4200~18100)	19100(4800~21200)	27300(6800~31700)
		KW	3.81(1.24~5.30)	5.60(1.40~6.20)	7.91(1.98~9.30)
Electric Data	Rated Cooling Power Input	KW	1.03(0.26~1.60)	1.55(0.47~2.30)	2.10(0.67~3.30)
	Rated Heating Power Input	KW	1.02(0.19~1.51)	1.51(0.46~2.25)	2.13(0.65~3.30)
	Rated Cooling Current	A	4.48(1.13~6.96)	6.74(2.04~10.00)	9.13(2.91~14.35)
	Rated Heating Current	A	4.43(0.83~6.57)	6.57(2.00~9.78)	9.26(2.83~14.35)
Performance	EER/COP	W/W	3.41/3.73	3.41/3.71	3.35/3.71
	SEER/SCOP	W/W	6.1/4.0	6.1/4.0	6.1/4.0
Indoor Unit	Air Flow	m3/h	700/620/530	760/650/580	1500/1350/1200
	Sound Pressure Noise	dB(A)	42/38/35	44/41/38	46.5/45/43
	Sound Power Noise Level	dB(A)	52	56	56
	Net Dimension (W*D*H)	mm	570×570×260	570×570×260	840×840×246
	Packing Dimension (W*D*H)	mm	720×650×290	720×650×290	910X910X310
	Net/Gross Weight	Kg	15.5/18	15.5/18	26/30
Refrigerant Pipe	Liquid Side	mm	6.35(1/4)	6.35(1/4)	9.52(3/8)
	Gas Side	mm	12.7(1/2)	12.7(1/2)	15.88(5/8)
	Drainage	mm	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)
Wired/Remote Controller			YKR-L/300-HYE	YKR-L/300-HYE	YKR-L/300-HYE
Stuffing Quantity		20/40/40H	unit	216/432/486	84/182/208

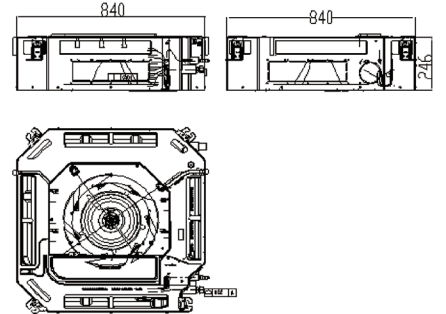
Model		Indoor	AUCA-H36/NDR3HYCB	AUCA-H42/NDR3HYCB	AUCA-H48/SDR3HYCB	AUCA-H60/SDR3HYCB
IDU Power Supply		V~,Hz,Ph	220-240/50/1	220-240/50/1	220-240/50&60/1	220-240/50&60/1
Capacity	Cooling	Btu/h	36265(8490~41250)	41593(8490~45134)	48000(16241~49474)	55000(16241~59710)
		KW	10.55(2.47~12.00)	12.10(2.47~13.13)	14.00(4.76~14.5)	16.00(4.76~17.5)
	Heating	Btu/h	38328(5534~42556)	46406(5534~49843)	55000(16309~59028)	58000(16308~63122)
		KW	11.15(1.61~12.38)	13.50(1.61~14.50)	16.00(4.78~17.3)	17.00(4.78~18.50)
Electric Data	Rated Cooling Power Input	KW	3.10(0.23~3.63)	3.90(0.23~4.30)	4.65(1.71~5.90)	5.25(1.71~6.85)
	Rated Heating Power Input	KW	2.80(0.29~3.11)	3.80(0.29~4.00)	4.58(1.71~6.05)	5.05(1.71~7.00)
	Rated Cooling Current	A	14.00(1.80~25.00)	17.50(1.80~25.00)	8.10(1.50~12.00)	9.00(1.50~12.00)
	Rated Heating Current	A	13.00(1.80~25.00)	17.00(1.80~25.00)	8.00(1.50~12.00)	8.50(1.50~12.00)
Performance	EER/COP	W/W	3.40/3.98	3.10/3.55	3.01/3.49	3.05/3.37
	SEER/SCOP	W/W	6.1/4.0	/	/	/
Indoor Unit	Air Flow (Hi/Mi/Lo)	m3/h	2000/1700/1600	2000/1700/1600	2000/1700/1600	2000/1700/1600
		CFM	1176/1000/941	1176/1000/941	1176/1000/941	1176/1000/941
	Sound Pressure Noise(Hi/Mi/Lo)	dB(A)	52/50/48	52/50/48	51/49/47	53/49/47
	Sound Power Noise Level	dB(A)	62	62	62	62
	Net Dimension (W*D*H)	mm	840×840×288	840×840×288	840×840×288	840×840×288
	Packing Dimension (W*D*H)	mm	910X910X350	910X910X350	910X910X350	910X910X350
	Net Weight	Kg	29.5	29.5	29.5	29.5
	Gross Weight	Kg	33.5	33.5	33.5	33.5
Refrigerant Pipe	Liquid Side	mm	9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52(3/8)
	Gas Side	mm	15.88(5/8)	15.88(5/8)	15.88(5/8)	15.88(5/8)
	Drainage	mm	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)
Wired/Remote Controller			YKR-L/300-HYE	YKR-L/300-HYE	YKR-L/300-HYE	YKR-L/300-HYE
StuFfing Quantity		20/40/40H	Set	44/96/96	44/96/96	27/54/54

Dimension-Light Commercial

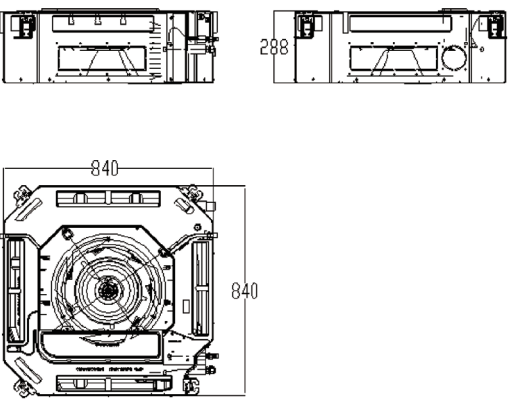
AUCA-H12/4DR3HYAB AUCA-H18/4DR3HYAB



AUCA-H24/4DR3HYAB



AUCA-H36/NDR3HYCB AUCA-H42/NDR3HYCB
AUCA-H48/SDR3HYCB AUCA-H60/SDR3HYCB



SLIM DUCT Y

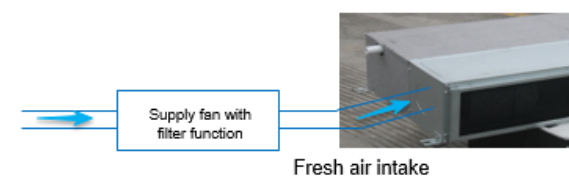
Free-Match



Feature

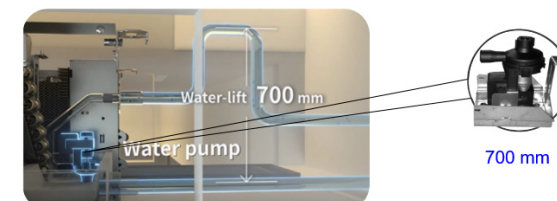
► Fresh air inlet

Fresh air inlet design, fresh air can be introduced to ensure fresh air in the room.



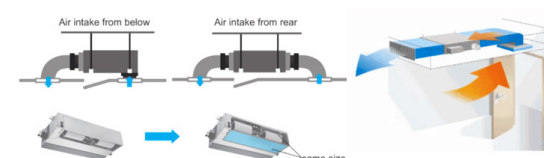
► Silent water pump

Select silent water pump to ensure different customer installation requirements.



► Two return air modes are selected

Two return air modes are selected (back return air and down return air), Easy to change.



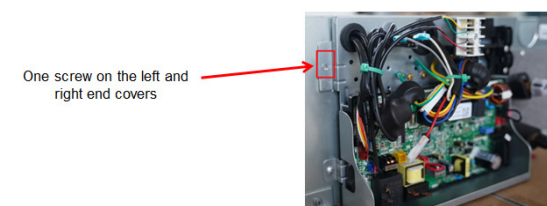
► Central control function

Optional dry node function, when the unit senses the window opening or sensing the fire, the unit will automatically shut down.



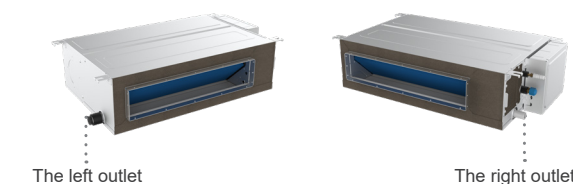
► Electronic control is easy to maintain

Quickly remove 1 screw from the left and right end cover. Change the direction of output line, maintenance without shielding, increase the maintenance space.



► Double drain holes

Double drainage design on the left and right side of the water plate, flexible to adapt to the installation site.



Specification-Free Match

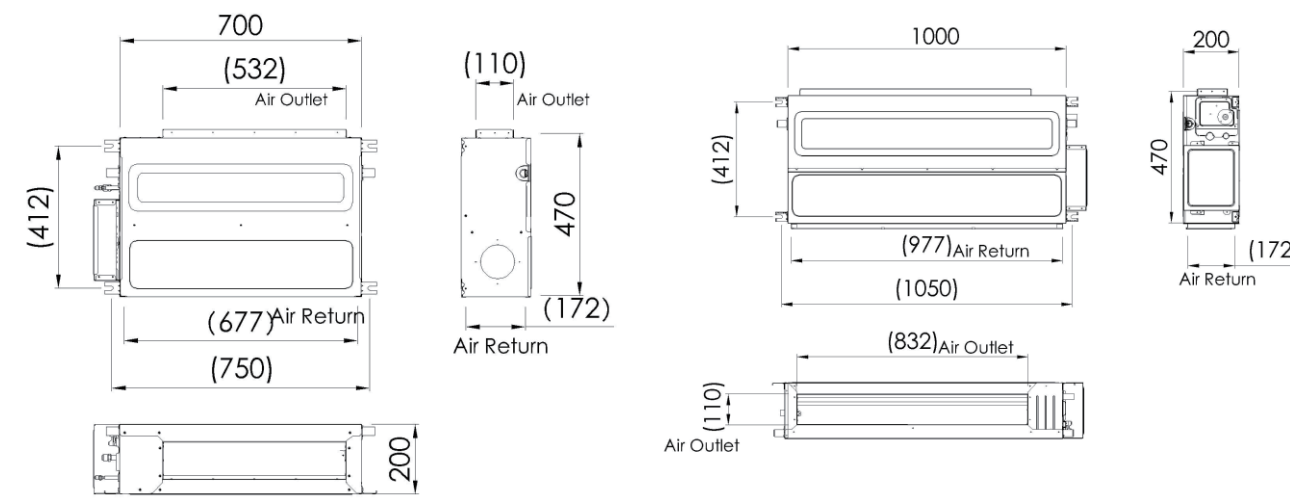
Model	Indoor		AMSD-H07/4R3AA	AMSD-H09/4R3AA	AMSD-H12/4R3AA
Capacity	Cooling	Btu/h	7506(3855~9220)	8872(5120~12115)	12280(5835~13135)
		kW	2.20(1.13~2.70)	2.60(1.50~3.55)	3.60(1.71~3.85)
	Heating	Btu/h	8530(4575~10820)	9895(5800~12450)	13650(6480~13375)
		kW	2.50(1.34~3.17)	2.90(1.70~3.65)	4.00(1.90~3.92)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1
	Cooling Power Input	W	55	55	55
	Heating Power Input	W	55	55	55
Performance	Air Volume	m3/h	600/450/380	600/450/380	680/560/450
	Sound Pressure Noise Level	dB(A)	37/33/30	37/33/30	38/34/31
	Sound Power Noise Level	dB(A)	53	53	53
	ESP	Pa	10/30	10/30	10/30
Dimension	Net Dim (W*D*H)	mm	700×470×200	700×470×200	700×470×200
	Packing Dim(W*D*H)	mm	1005×580×275	1005×580×275	1005×580×275
Weight	Net/Gross	kg	18.5/22	18.5/22	18.5/22
Pipe Dia	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	16.5	16.5	16.5
Loading Qty	20/40/40H	unit	176/368/414	176/368/414	176/368/414

Model	Indoor		AMSD-H18/4R3AA	AMSD-H24/4R3AA
Capacity	Cooling	Btu/h	17400(8530~19790)	24225(11846~25436)
		kW	5.10(2.50~5.80)	7.10(3.47~7.55)
	Heating	Btu/h	19790(9690~21835)	25590(12513~26869)
		kW	5.80(2.84~6.40)	7.50(3.67~7.88)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1
	Cooling Power Input	W	75	90
	Heating Power Input	W	75	90
Performance	Air Volume	m3/h	860/660/600	1150/880/780
	Sound Pressure Noise Level	dB(A)	39/35/33	41/38/36
	Sound Power Noise Level	dB(A)	54	55
	ESP	Pa	10/30	10/30
Dimension	Net Dim (W*D*H)	mm	1000×470×200	1300*470*200
	Packing Dim(W*D*H)	mm	1305×580×275	1610*580*275
Weight	Net/Gross	kg	24/28	29/33
Pipe Dia	Liquid Side	mm(inch)	6.35(1/4)	6.35(1/4)
	Gas Side	mm(inch)	12.7(1/2)	12.7(1/2)
	Drainage	mm	16.5	16.5
Loading Qty	20/40/40H	unit	136/288/324	104/232/260

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

Dimension-Free Match

AMSD-H07/4R3AA AMSD-H09/4R3AA AMSD-H12/4R3AA	AMSD-H18/4R3A
--	---------------



MEDIUM DUCT M

Free-Match & Light Commercial

Feature

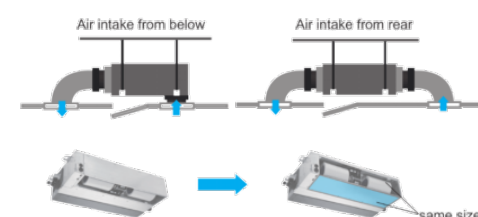
► Fresh air inlet

Fresh air inlet design, fresh air can be introduced to ensure fresh air in the room.



► Two return air modes are selected

Two return air modes are selected (back return air and down return air), Easy to change.



► ESP meet kinds application

(Only DC models support)

Widest ESP range (0-150Pa) with possibility to change ESP by controller and meet different kinds application like apartment, villa...



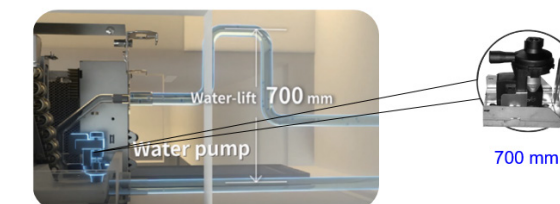
► Central control function

Optional dry node function, when the unit senses the window opening or sensing the fire, the unit will automatically shut down.



► Silent water pump

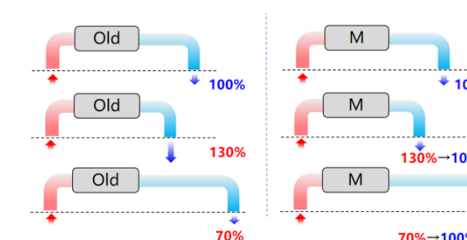
Select silent water pump to ensure different customer installation requirements.



► Constant Air Flow Volume

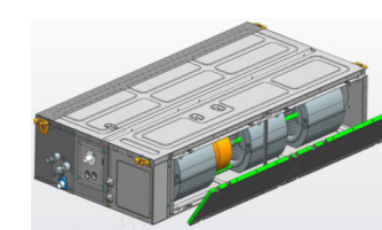
(only certain model support)

Under different ESP, the product supply Constant air flow volume for comfort.



► W Type High efficiency filter screen

Easy disassembly (0 Screws)
Convenient to wash
High efficiency (W type)



► Double drain holes

Double drainage design on the left and right side of the water plate, flexible to adapt to the installation site.

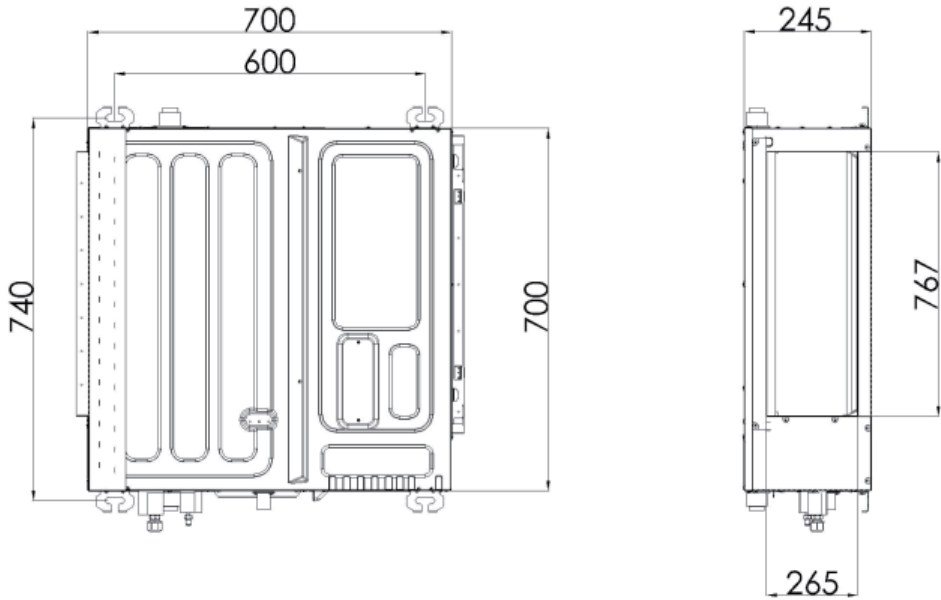


Specification-Free Match

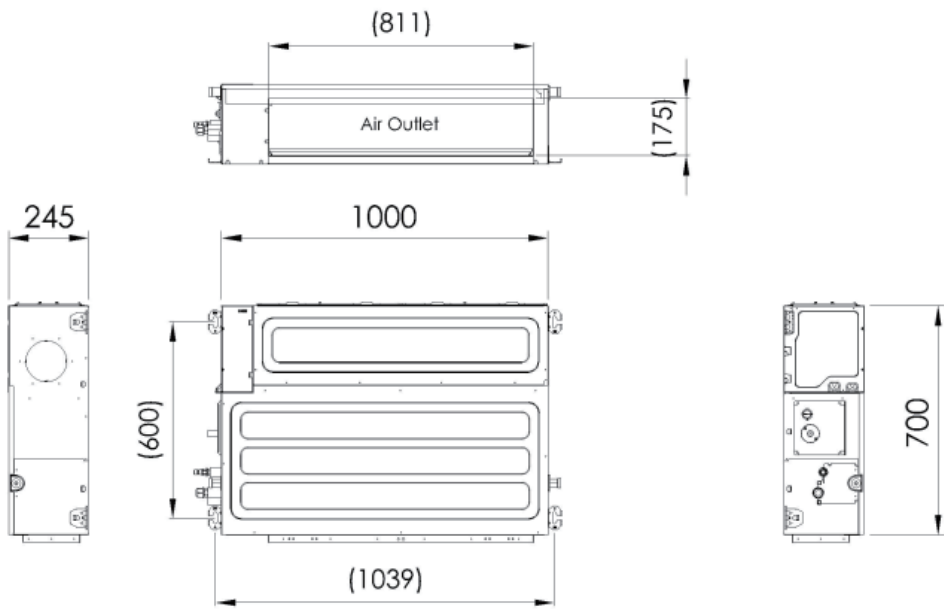
Model	Indoor		AUMD-H12/NDR3HM2B	AUMD-H18/NDR3HM2B	AUMD-H24/NDR3HM2B
Capacity	Cooling	Btu/h	12000(4600-15000)	18000(5200-19100)	24000(7400-28000)
		KW	3.52(1.35-4.40)	5.28(1.53-5.60)	7.03(2.16-8.20)
	Heating	Btu/h	13000 (4200-18100)	19100(4800-21200)	27000(6800-31700)
		KW	3.81(1.24-5.30)	5.60(1.40-6.20)	7.91(1.98-9.30)
Electric Data	Rated Cooling Power Input	kW	220~240,50,1	220~240,50,1	220~240,50,1
	Rated Heating Power Input	kW	60	90	150
	Heating Power Input	W	60	90	150
	Air Volume	CFM	423/352/294	530/441/370	824/700/576
		m3/h	720/600/500	900/750/630	1400/1190/980
	Sound Pressure Noise Level	dB(A)	36/34/32	41/37/34	42/39/36
	Sound Power Noise Level	dB(A)	49	56	55
	ESP	Pa	25(0~80)	25(0~80)	25(0~80)
Dimension	Net Dim (W*D*H)	mm	700x700x245	700x700x245	1000x700x245
	Packing Dim(W*D*H)	mm	930x830x300	930x830x300	1230x830x300
Weight	Net	kg	21	22	29.5
	Gross	kg	25	26.5	35.5
Refrigerant Type			R32	R32	R32
Pipe Dia	Liquid Side	mm(inch)	6.35(1/4)	6.35(1/4)	9.52(3/8)
	Gas Side	mm(inch)	12.7(1/2)	12.7(1/2)	15.88(5/8)
	Drainage	mm	R3/4in(DN25)	R3/4in(DN25)	R3/4in(DN20)
Loading Qty	20/40/40H	unit	61/137/159	61/137/159	42/89/99

Dimension

AUMD-H12/NDR3HM2B AUMD-H18/NDR3HM2B



AUMD-H24/NDR3HM2B



Specification-Light Commercial

Model		Indoor	AUMD-H12/NDR3HM2B	AUMD-H18/NDR3HM2B	AUMD-H24/NDR3HM2B
		Outdoor	AL-H12/NDR3HB2(U)	AL-H18/NDR3HB2(U)	AL-H24/NDR3HB2(U)
IDU Power Supply		V~,Hz,Ph	220-240/50&60/1	220-240/50&60/1	220-240/50&60/1
Capacity	Cooling	Btu/h	12000(4600-15000)	18000(5200-19100)	24000(7400-28000)
		KW	3.52(1.35-4.40)	5.28 (1.53-5.60)	7.03(2.16-8.20)
	Heating	Btu/h	13000 (4200-18100)	19100(4800-21200)	27000(6800-31700)
		KW	3.81(1.24-5.30)	5.60 (1.40-6.20)	7.91(1.98-9.30)
Electric Data	Rated Cooling Power Input	kW	1.03(0.26 ~ 1.60)	1.55 (0.47-2.30)	2.17(0.67-3.30)
	Rated Heating Power Input	kW	1.02(0.19 ~ 1.51)	1.49 (0.46-2.25)	2.13(0.65-3.30)
	Rated Cooling Current	A	4.48(1.13 ~ 6.96)	6.73 (2.04-10.00)	9.43 (2.91-14.35)
	Rated Heating Current	A	4.43(0.83 ~ 6.57)	6.48 (2.00-9.78)	9.26 (2.83-14.35)
Performance	EER/COP	W/W	3.41/3.73	3.40/3.76	3.24/3.71
	SEER/SCOP	W/W	6.1/4.0	6.1/4.0	6.1/4.0
	Air Flow Volume	m3/h	720/600/500	900/750/630	1400/1190/980
	Sound Pressure Noise Level	dB(A)	37/34/32	44/41/37	43/41/39
Indoor Unit	Sound Power Noise Level	dB(A)	/	54	55
	Net Dimension (W*H*D)	mm	700x700x245	700x700x245	1000x700x245
	Packing Dimension (W*H*D)	mm	930x830x300	930x830x300	1230x830x300
	Net/Gross Weight	Kg	21/25	22/26	32/38
Refrigerant Pipe	ESP	Pa	25(0~160)	25(0~160)	25(0~160)
	Liquid Side	mm	6.35(1/4)	6.35(1/4)	9.52(3/8)
	Gas Side	mm	12.7(1/2)	12.7(1/2)	15.88(5/8)
	Drainage	mm	R3/4in(DN25)	R3/4in(DN25)	R3/4in(DN20)
Wired/Remote Controller			XK05-DY(AUX)485-E2(SY)	XK05-DY(AUX)485-E2(SY)	XK05-DY(AUX)120(485)-E2(SY)
Qty' per 20' & 40' &40HQ(Only For Reference)		Set	61/137/159	61/137/159	42/89/99

		Indoor	AUMD-H30/NDR3HC	AUMD-H36/NDR3HC	AUMD-H42/NDR3HC
Model		Indoor	AL-H30/NDR3HB2(U)	AL-H36/NDR3C2(U)	AL-H42/NDR3C2(U)
IDU Power Supply		V~,Hz,Ph	220-240/50&60/1	220-240/50/1	220-240/50/1
Capacity	Cooling	Btu/h	29500(8490~31390)	36171(8845-38605)	41485(8845-43200)
		KW	8.65(2.49-9.20)	10.55(2.58~11.26)	12.10(2.58~12.60)
	Heating	Btu/h	31390(9760~32760)	38228(6994-40662)	46285(6994-48685)
		KW	9.20(2.86-9.60)	11.15(2.04~11.86)	13.50(2.04~14.20)
Electric Data	Rated Cooling Power Input	kW	2.55(0.71-3.30)	3.60(0.30~3.77)	4.30(0.30~4.46)
	Rated Heating Power Input	kW	2.40(0.67-3.30)	3.00(0.38~3.11)	3.70(0.38~3.87)
Performance	EER/COP	W/W	3.39/3.83	2.93/3.72	2.81/3.65
	SEER/SCOP	W/W	6.1/4.1	6.1/4.0	/
Indoor Unit	Indoor Air Flow (Hi/Mi/Lo)	m3/h	1600/1400/1100	2040/1600/1400	2040/1600/1400
		CFM	941/824/647	1200/941/824	1200/941/824
	Sound Pressure Noise Level (Hi/Mi/Lo)	dB(A)	46/44/41	44/41/39	44/41/39
	Sound Power Noise Level	dB(A)	57	55	55
	Net Dimension (W*H*D)	mm	1000x700x245	1400x700x245	1400x700x245
	Packing Dimension (W*H*D)	mm	1230x830x300	1630x830x300	1630x830x300
	Net Weight	Kg	32	38	38
	Gross Weight	Kg	38	44.5	44.5
	ESP	Pa	37(0~160)	37(0~160)	37(0~160)
	ESP	Pa	37(0~160)	37(0~160)	37(0~160)
Refrigerant Pipe	Liquid Side	mm	9.52(3/8)	9.52(3/8)	9.52(3/8)
	Gas Side	mm	15.88(5/8)	15.88(5/8)	15.88(5/8)
	Drainage	mm	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)
Wired/Remote Controller			XK05-DY(AUX)120(485)-E2(SY)□	XK05-DY(AUX)120(485)-E2(SY)	XK05-DY(AUX)120(485)-E2(SY)
Qty'per 20' & 40' &40HQ(Only For Reference)		Set	32/64/83	44/96/96	44/96/96

		Indoor	AUMD-H48/SDR3HC	AUMD-H60/SDR3HC
Model		Indoor	AL-H48/SDR3C2(U)	AL-H60/SDR3C2(U)
IDU Power Supply		V~,Hz,Ph	220-240/50&60/1	220-240/50&60/1
Capacity	Cooling	Btu/h	48000(16241-56639)	55000(16241-59710)
		KW	14.00(4.76-16.60)	16.00(4.76-17.5)
	Heating	Btu/h	55000(16309-62781)	58000(16308-63122)
		KW	16.00(4.78-18.40)	17.00(4.78-18.50)
Electric Data	Rated Cooling Power Input	kW	4.80(1.71-5.90)	5.60(1.71-6.85)
	Rated Heating Power Input	kW	4.50(1.71-6.05)	4.80(1.71-7.00)
Performance	EER/COP	W/W	2.92/3.56	2.86/3.54
	SEER/SCOP	W/W	/	/
Indoor Unit	Indoor Air Flow (Hi/Mi/Lo)	m3/h	2300/2000/1700	2300/2000/1700
		CFM	1353/1176/1000	1353/1176/1000
	Sound Pressure Noise Level (Hi/Mi/Lo)	dB(A)	52/45/43	52/47/45
	Sound Power Noise Level	dB(A)	64	64
	Net Dimension (W*H*D)	mm	1400x700x245	1400x700x245
	Packing Dimension (W*H*D)	mm	1630x830x300	1630x830x300
	Net Weight	Kg	38	38
	Gross Weight	Kg	44.5	44.5
	ESP	Pa	50(0~160)	50(0~160)
	ESP	Pa	50(0~160)	50(0~160)
Refrigerant Pipe	Liquid Side	mm	9.52(3/8)	9.52(3/8)
	Gas Side	mm	15.88(5/8)	15.88(5/8)
	Drainage	mm	R3/4in(DN20)	R3/4in(DN20)
Wired/Remote Controller			XK05-DY(AUX)120(485)-E2(SY)	XK05-DY(AUX)120(485)-E2(SY)
Qty'per 20' & 40' &40HQ(Only For Reference)		Set	24/51/55	24/51/55

Dimension

AUMD-H12/NDR3HM2B AUMD-H18/NDR3HM2B

AUMD-H24/NDR3HM2B AUMD-H30/NDR3HC

AUMD-H36/NDR3HC 、 AUMD-H42/NDR3HC 、 AUMD-H48/SDR3HC、 AUMD-H60/SDR3HC

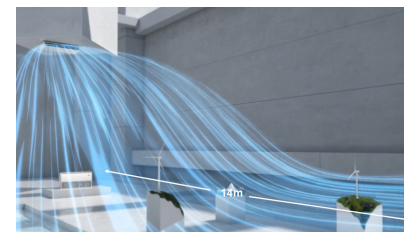
CEILING&FLOOR

Free-Match & Light Commercial

Feature

► Long Air Supply Distance

Up to 14m, meet large room requirement.



► Anti-condensation

Industry-leading anti-condensation insulation design of the air outlet.



► Fresh air intake

Fresh air intake hole design can introduce fresh air to ensure high air quality in the room.



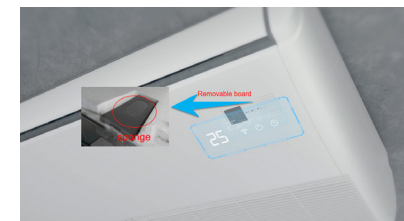
► Easy drainage

Left and right water outlet design of water connection plate, flexible for installation site.



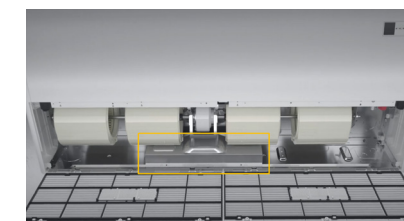
► Beautiful Design of Display Board

The display board is beautiful built in design, with good sealing, moisture-proof and long reliable life.



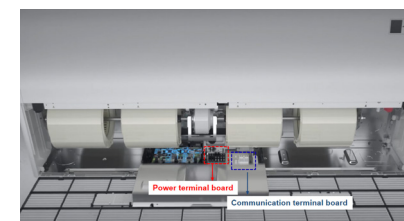
► Optional filter

A variety of health filters can be selected to improve room air quality.



► Easy Maintenance

Enough space to maintenance, no need to take out the whole electrical control box.



► Central control function

Optional dry node function, when the unit senses the window opening or sensing the fire, the unit will automatically shut down.



Specification-Light Commercial

Sale Model		Indoor	AUCF-H18/4DR3HFA	AUCF-H24/4DR3HFA	AUCF-H36/NDR3HFC	
		Outdoor	AL-H18/NDR3HB2(U)	AL-H24/NDR3HB2(U)	AL-H36/NDR3C2(U)	
IDU Power Supply		V~,Hz,Ph	220-240/50&60/1	220-240/50&60/1	220-240/50/1	
Capacity	Cooling	Btu/h	18000(5500-20500)	24000(7400-28000)	36265(9246-39978)	
		kW	5.3(1.60-6.00)	7.03(2.16-8.20)	10.55(2.69~11.63)	
	Heating	Btu/h	19450(4800-24600)	26000(6800-31700)	38328(5500-40906)	
		kW	5.7(1.40-7.20)	7.62(1.98-9.30)	11.15(1.60~11.90)	
Electric Data	Rated Cooling Power Input		W	1550(480-2300)	3100(240~3410)	
	Rated Heating Power Input		W	1520(470-2400)	3000(310~3160)	
Performance	EER/COP		W/W	3.42/3.75	3.40/3.72	
	SEER/SCOP		W/W	6.1/4.0	6.1/4.0	
Indoor Unit	Indoor Air Flow (Hi/Mi/Lo)		m3/h	900/720/600	1230/1020/840	
			CFM	530/420/350	724/600/494	
	Sound Pressure Noise Level (Hi/Mi/Lo)		dB(A)	40/35/33	42/38/35	50/46/43
	Sound Power Noise Level		dB(A)	51	52	60
	Net Dimension (W*D*H)		mm	1000×690×235	1280×690×235	1600×690×235
	Packing Dimension (W*D*H)		mm	1080×770×325	1360×770×325	1680×770×325
	Net Weight		Kg	28	34	40
	Gross Weight		Kg	32.5	39.5	45.5
Refrigerant Pipe	Liquid Side		mm	6.35(1/4)	9.52(3/8)	9.52(3/8)
	Gas Side		mm	12.7(1/2)	15.88(5/8)	15.88(5/8)
	Drainage		mm	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)
Wired/Remote Controller			YKR-K/001E	YKR-K/001E	YKR-K/001E	
StuFfing Quantity	20/40/40H	Set	112/224/256	84/175/200	44/96/96	

Sale Model		Indoor	AUCF-H42/NDR3HFC	AUCF-H48/SDR3HFC	AUCF-H60/SDR3HFC	
		Outdoor	AL-H42/NDR3C2(U)	AL-H48/SDR3C2(U)	AL-H60/SDR3C2(U)	
IDU Power Supply		V~,Hz,Ph	220-240/50/1	220-240/50&60/1	220-240/50&60/1	
Capacity	Cooling	Btu/h	41593(9246-43209)	48000(16241-49474)	55000(16241-59710)	
		kW	12.10(2.69~12.57)	14.00(4.76-14.50)	16.00(4.76-17.50)	
	Heating	Btu/h	46406(5500-48571)	54600(16309-56298)	58000(16309-63122)	
		kW	13.50(1.60~14.13)	16.00(4.78-16.5)	17.00(4.78-18.50)	
Electric Data	Rated Cooling Power Input		W	3500(240~3950)	5000(1710-5900)	
	Rated Heating Power Input		W	4200(310~4420)	5100(1710-6050)	
Performance	EER/COP		W/W	3.46/3.21	2.8/3.14	
	SEER/SCOP		W/W	/	/	
Indoor Unit	Indoor Air Flow (Hi/Mi/Lo)		m3/h	2040/1740/1440	2040/1740/1440	
			CFM	1250/1080/900	1250/1080/900	
	Sound Pressure Noise Level (Hi/Mi/Lo)		dB(A)	50/46/43	50/46/41	51/47/43
	Sound Power Noise Level		dB(A)	60	62	63
	Net Dimension (W*D*H)		mm	1600×690×235	1600×690×235	1600×690×235
	Packing Dimension (W*D*H)		mm	1680×770×325	1680×770×325	1680×770×325
	Net Weight		Kg	40	40	41
	Gross Weight		Kg	45.5	45.5	46.5
Refrigerant Pipe	Liquid Side		mm	9.52(3/8)	9.52(3/8)	9.52(3/8)
	Gas Side		mm	15.88(5/8)	15.88(5/8)	15.88(5/8)
	Drainage		mm	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)
Wired/Remote Controller			YKR-K/001E	YKR-K/001E	YKR-K/001E	
StuFfing Quantity	20/40/40H	Set	44/96/96	24/50/54	24/50/54	

1. Parameters above are all measured when the connecting pipe is 5 meters.
2. Parameters above may be modified as product improvement. We keep the right to change the product specifications without prior notice, please take the parameters listed on the nameplate as criterion

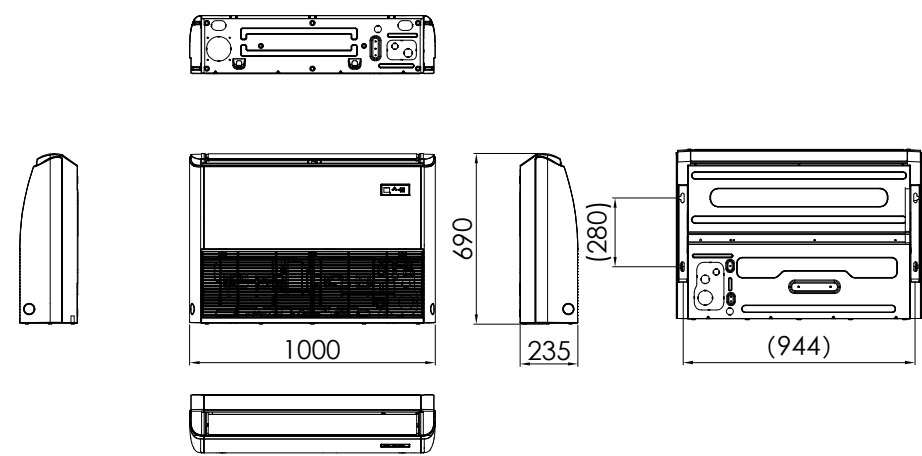
Specification-Free Match

Model			Indoor	AUCF-H09/4DR3HFA	AUCF-H12/4DR3HFA	AUCF-H18/4DR3HFA
Capacity	Cooling	Btu/h		9560(5120~12115)	12285(5800~12625)	18000(8530~19107)
		kW		2.80(1.50~3.55)	3.60(1.70~3.70)	5.30(2.50~5.6)
	Heating	Btu/h		10240(5460~13000)	13306(6930~15080)	19790(10340~24000)
		kW		3.00(1.60~3.81)	3.9(2.03~4.42)	5.80(3.03~7.03)
Electric Data	Power Supply	V~,Hz,Ph		220~240V 50Hz	220~240V 50Hz	220~240V 50Hz
	Rated Cooling Power Input	W		70(20~125)	70(20~125)	80(20~125)
	Rated Heating Power Input	W		70(20~125)	70(20~125)	80(20~125)
Performance	Air Flow Volume	m3/h		840/700/580	840/700/580	900/720/600
	Sound Pressure Noise Level	dB(A)		40/34/31	40/34/31	42/35/33
	Sound Power Level	dB(A)		55	55	58
Dimension	Net(W*D*H)	mm		1000×690×235	1000×690×235	1000×690×235
	Packing(W*D*H)	mm		1080×770×325	1080×770×325	1080×770×325
Weight	Net/Gross	kg		27/32.5	27/32.5	28/33.5
Pipe Diameter	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		20	20	20
Stuffing Quantity	20/40/40H	Set		112/224/256	112/224/256	112/224/256

1. Parameters above are all measured when the connecting pipe is 5 meters.
2. Parameters above may be modified as product improvement. We keep the right to change the product specifications without prior notice, please take the parameters listed on the nameplate as criterion

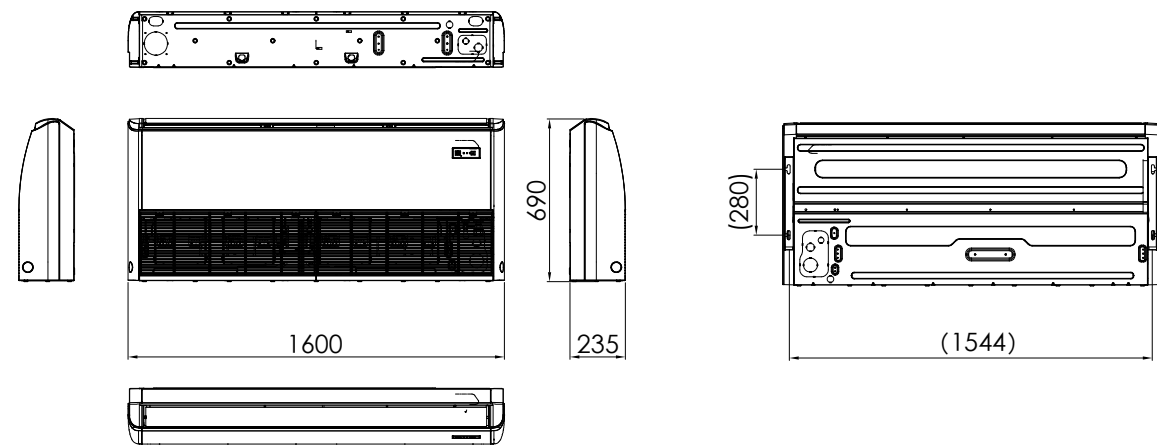
Dimension

AUCF-H09/4DR3HFA AUCF-H12/4DR3HFA AUCF-H18/4DR3HFA

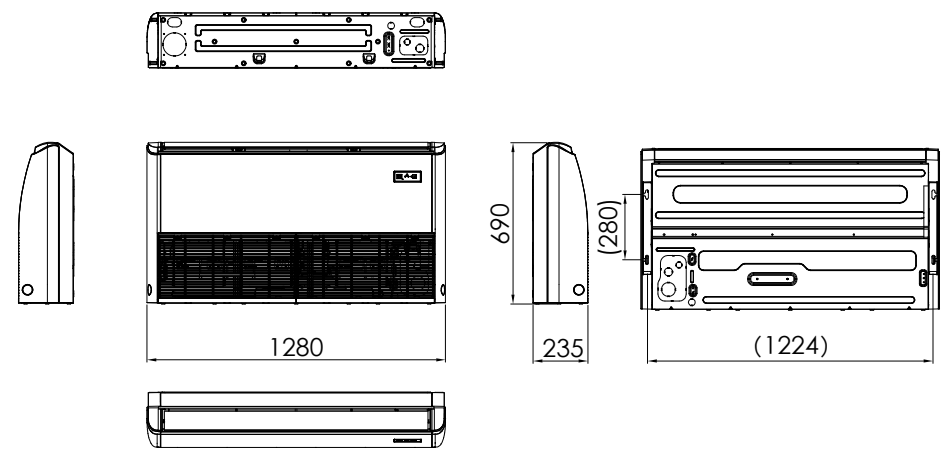


Dimension

AUCF-H36/NDR3HFC AUCF-H42/NDR3HFC AUCF-H48/SDR3HFC AUCF-H60/SDR3HFC



AUCF-H24/4DR3HFA



Heat Pump

Air to water

► Feature



Saving and
Green



Healthy and
Comfortable



Total
solution



Intelligent
operation

► Authentication

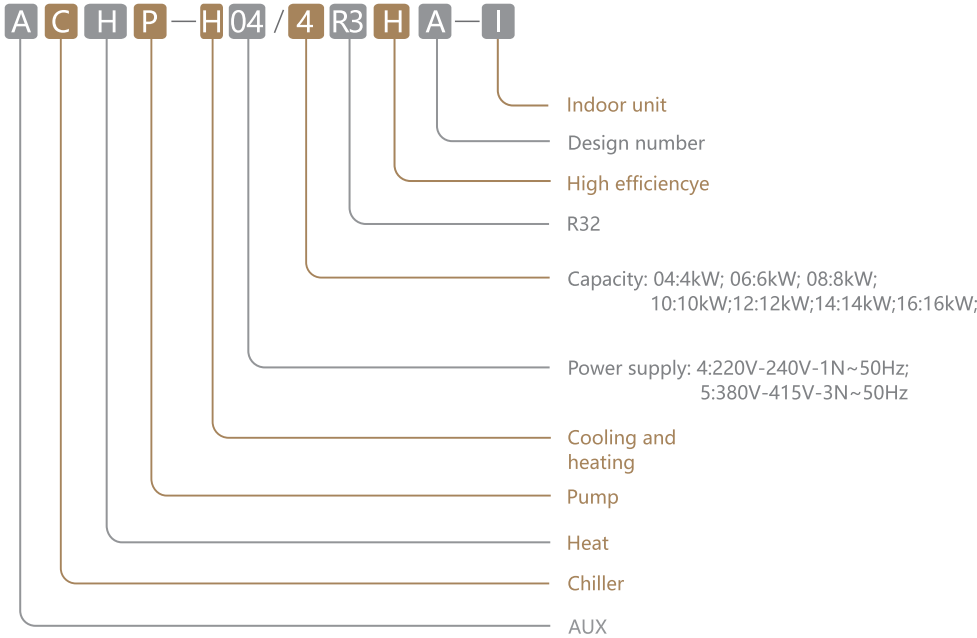


A+++

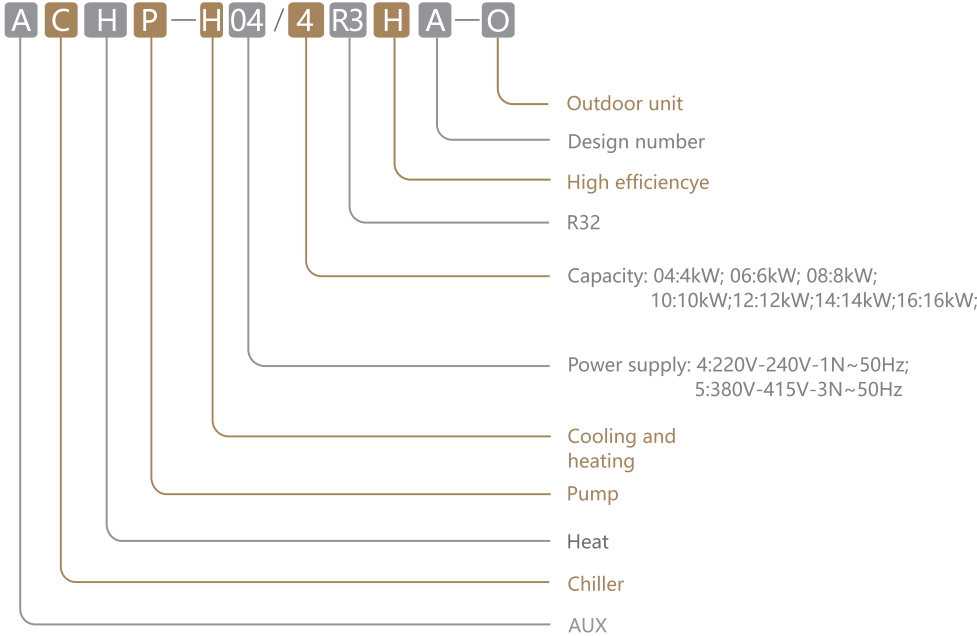


Nomenclature-Heat Pump

Indoor Unit



Outdoor Unit



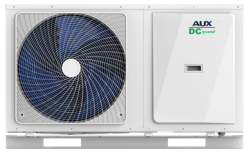
Product Lineup

R290 Monoblock AI-Thermal Heat Pump



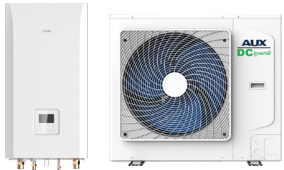
Capacity(kW)		4	6	8	10	12	14	16
Monoblock	220-240/1/50(NE)	●	●	●	●	●	●	●
	220-240 /1/50(3kW EH)	●	●	●	●	●	●	●
	380-415 /3/ 50(9kW EH)			●	●	●	●	●

R32 Monoblock AI-Thermal Heat Pump



Capacity(kW)		4	6	8	10	12	14	16
Monoblock	220-240/1/50(NE)	●	●	●	●	●	●	●
	220-240 /1/50(3kW EH)	●	●	●	●	●	●	●
	380-415 /3/ 50(9kW EH)			●	●	●	●	●

R32 Split AI-Thermal Heat Pump



Capacity(kW)		4	6	8	10	12	14	16
Split	ODU	220-240/1/50	●	●	●	●	●	●
		380-415/3/50				●	●	●
	Hydraulic	220-240 /1/ 50(3kW EH)	●	●	●	●	●	●
		380-415 /3/ 50(9kW EH)			●	●	●	●

HEAT PUMP R290



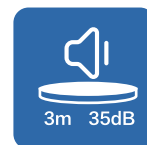
green & environmental
protection



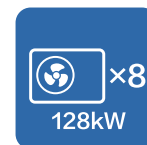
-7°C capacity no
damping



High
Efficiency



Low noise
operation

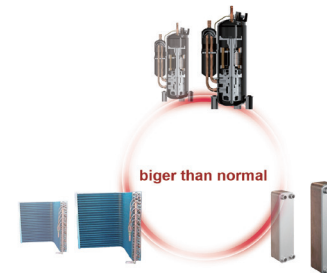


Combination
of 8 units

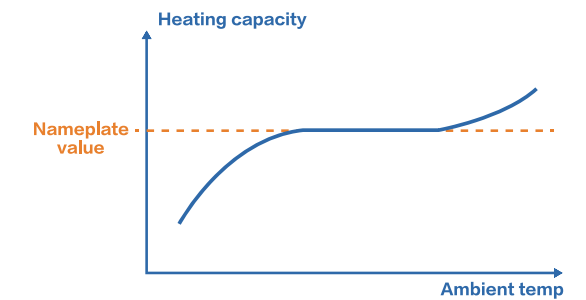
Feature

► High capacity

- Finned heat exchanger area ↑30%
- Enlarged plate heat exchanger
- Fan blade area ↑20%
- Compressor displacement ↑50%

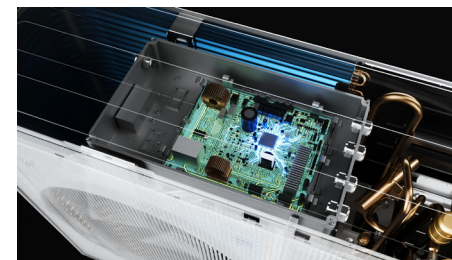


100% output with no capacity reduction at -7°C
Supplying hot water at 80°C in an environment of -10°C

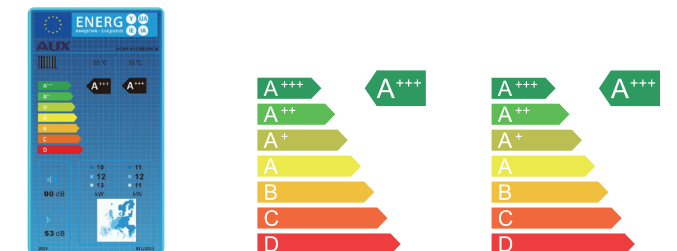


► High energy efficiency

Equipped with self-developed inverter system

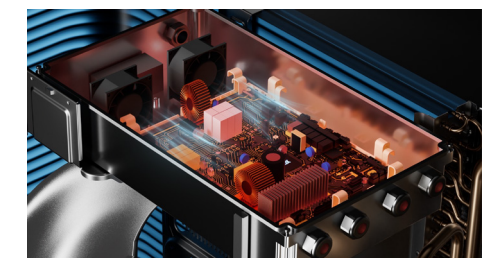
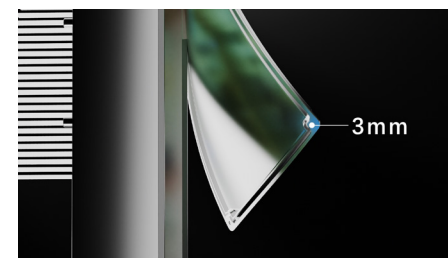


The water temperature is 35°C and 55°C, SCOP is A+++



► Airtight electric control box

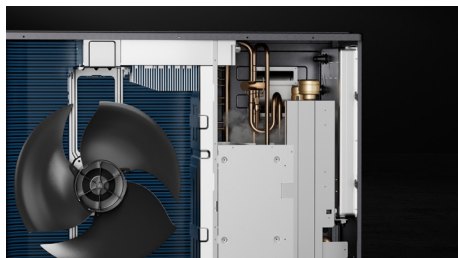
- Metal thickness up to 3mm
- Internal dual fan design for even heat dissipation
- Add external cooling fins
- Temperature rise drops by 2°C



Feature

► Explosion-proof

Airtight electric control box,
separated from leaked refrigerant

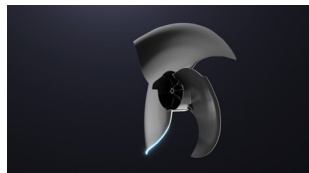


High pressure sensor



► Multiple noise reduction

- The compressor is wrapped with sound-absorbing materials
- With damping material in the middle
- Folded edge fan has a large angle design to reduce vortex noise
- Unique mesh cover to reduce wind resistance
- Built-in sound insulation cotton in many places
- The noise of the outdoor unit is as low as 35dB three meters away



► Remote control



Color screen remote controller
with 18 languages

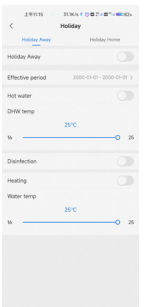
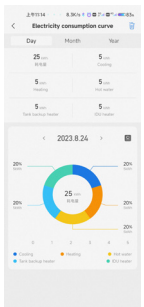
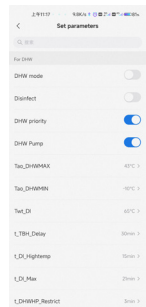
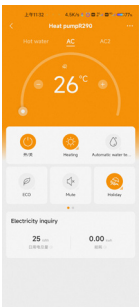


Can control 8 rooms

Feature

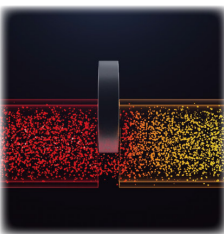
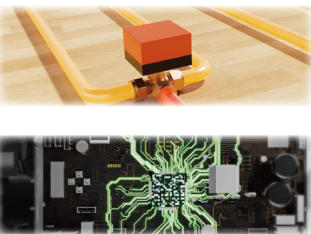
► APP control

Support parameter setting, power consumption query, holiday mode, etc



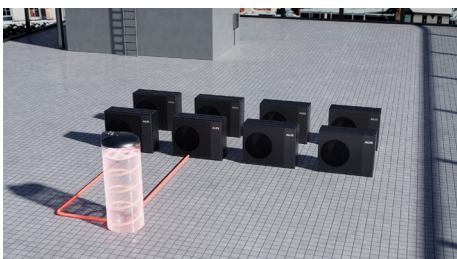
► Precise temperature control APP control

- Real-time control of the opening/closing of the floor heating mixing valve
- Water temperature changes within $\pm 0.5^{\circ}\text{C}$



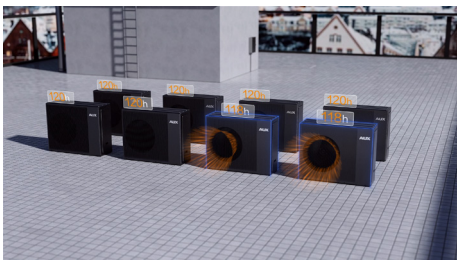
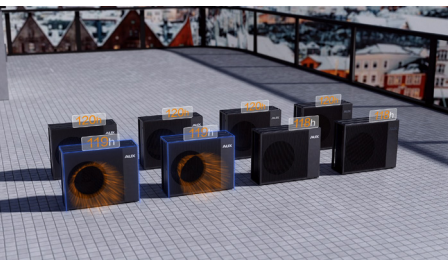
► Parallel connection of multiple machines

- 8 units work simultaneously
- Maximum capacity 128kW



► Module rotation

Ensure that the running time of each outdoor unit is even



Feature

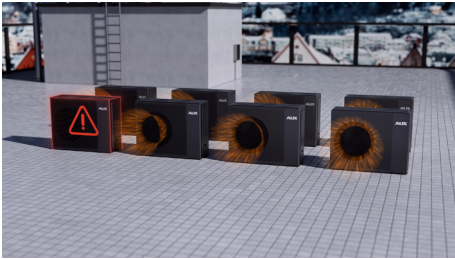
► Convenience

The side panel can be opened directly



► Remote control

If one outdoor unit fails,
the other outdoor units can operate normally



Query faulty outdoor machine information and modify pa-
rameters through the remote monitoring system



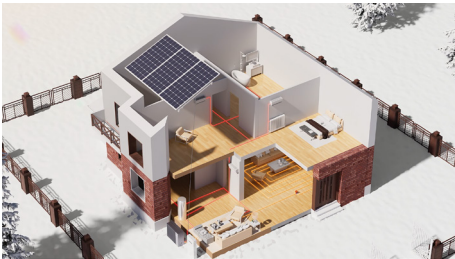
► Program update

The remote controller supports USB program refresh



► Gas&solar

Can be connected to backup power and solar panels
Can be connected to water tanks, floor heating, radiators, fan coils, etc



Specification-Monoblock

Model name			4kW	6kW	8kW
Model			ACHP-H04/4R2HA-M	ACHP-H06/4R2HA-M	ACHP-H08/4R2HA-M
Power supply		V/Ph/H	220-240/1/50		
Heating2	Capacity	kW	4.5	6.2	8.4
	Rated input	kW	0.87	1.27	1.68
	COP		5.15	4.9	5
Heating3	Capacity	kW	4.6	6.2	7.8
	Rated input	kW	1.44	2.00	2.44
	COP		3.2	3.10	3.2
Cooling4	Capacity	kW	4.5	6.5	8.3
	Rated input	kW	0.82	1.27	1.61
	EER		5.5	5.1	5.15
Cooling5	Capacity	kW	4.7	6.8	7.5
	Rated input	kW	1.29	2.19	2.17
	EER		3.65	3.1	3.45
Seasonal space heating energy efficiency class ⁷	LWT at 35°C		A+++	A+++	A+++
	LWT at 55°C		A+++	A+++	A+++
sound pressure level	Monobloc Unit	dB(A)	42	45	51
Sound power level	Monobloc Unit	dB	55	58	63
Packed dimensions (W×D×H)	Monobloc Unit	mm	1205*545*860	1205*545*860	1350*545*1210
Body dimensions (W×D×H)	Monobloc Unit	mm	1130*420*710	1130*420*710	1280*420*1040
Operating temperature range	Cooling	°C	-5 ~43		
	Heating	°C	-25~ 35		
	DHW(tank)	°C	-25~43		
Setting water temperature range	Cooling	°C	5~25		
	Heating	°C	25~80		
	DHW(tank)	°C	30~75		
Water circuit	Piping connections	inch	G1"BSP		
	Safety valve set pressure	MPa	0.3		
	Flow switch	m³/h	0.36		
	Expansion tank Volume	L	5		
	Capacity of the back-up heater	kW	3		
Stuffing Quantity	40H/40/20	Unit	120/78/36	120/78/36	68/33/16

Note:
1.Relevant EU standards and legislation: EN14511; EN14825; EN50564; EN12102; (EU) No 811:2013; (EU) No 813:2013; OJ 2014/C 207/02:2014.
2. Outdoor air temperature 7°C DB, 85% R.H.; EWT 30°C, LWT 35°C.
3. Outdoor air temperature 7°C DB, 85% R.H.; EWT 47°C, LWT 55°C.
4. Outdoor air temperature 35°C DB; EWT 23°C, LWT 18°C.
5. Outdoor air temperature 35°C DB; EWT 12°C, LWT 7°C.
6. Seasonal space heating energy efficiency class tested in average climate conditions.
7. Test standard: EN12102-1
8. Sound pressure level is the maximum value tested under the two conditions of Notes2 and Notes5.

Specification-Monoblock

Model name			10kW	12kW	14kW	16kW
Model			ACHP-H10/4R2HA-M	ACHP-H12/4R2HA-M	ACHP-H14/4R2HA-M	ACHP-H16/4R2HA-M
Power supply		V/Ph/H	220-240/1/50			
Heating2	Capacity	kW	10	12	14	15.1
	Rated input	kW	2.13	2.50	3.11	3.36
	COP		4.7	4.8	4.5	4.5
Heating3	Capacity	kW	9.5	12	14	15.1
	Rated input	kW	3.11	3.87	4.67	5.21
	COP		3.05	3.1	3	2.9
Cooling4	Capacity	kW	10	12	14	16
	Rated input	kW	2.11	2.67	3.89	4.10
	EER		4.75	4.5	3.6	3.9
Cooling5	Capacity	kW	8.9	11.5	12.7	14
	Rated input	kW	2.74	3.8	4.38	5.09
	EER		3.25	3.05	2.9	2.75
Seasonal space heating energy efficiency class7	LWT at 35°C		A+++	A+++	A+++	A+++
	LWT at 55°C		A+++	A+++	A+++	A+++
sound pressure level	Monobloc Unit	dB(A)	51	53	53	53
Sound power level	Monobloc Unit	dB	63	65	65	65
Packed dimensions (W×D×H)	Monobloc Unit	mm	1350*545*1210			
Body dimensions (W×D×H)	Monobloc Unit	mm	1280*420*1040			
Operating temperature range	Cooling	°C	-5 ~43			
	Heating	°C	-25~ 35			
	DHW(tank)	°C	-25~43			
Setting water temperature range	Cooling	°C	5~25			
	Heating	°C	25~80			
	DHW(tank)	°C	30~75			
Water circuit	Piping connections	inch	G1"BSP			
	Safety valve set pressure	MPa	0.3			
	Flow switch	m³/h	0.6			
	Expansion tank Volume	L	5			
	Capacity of the back-up heater	kW	3			
Stuffing Quantity	40H/40/20	Unit	92/86/42	92/86/42	66/66/32	66/66/32

Note:

1.Relevant EU standards and legislation: EN14511; EN14825; EN50564; EN12102; (EU) No 811:2013; (EU) No 813:2013; OJ 2014/C 207/02:2014.

2. Outdoor air temperature 7°C DB, 85% R.H.; EWT 30°C, LWT 35°C.

3. Outdoor air temperature 7°C DB, 85% R.H.; EWT 47°C, LWT 55°C.

4. Outdoor air temperature 35°C DB; EWT 23°C, LWT 18°C.

5. Outdoor air temperature 35°C DB; EWT 12°C, LWT 7°C.

6. Seasonal space heating energy efficiency class tested in average climate conditions.

7. Test standard: EN12102-1

8. Sound pressure level is the maximum value tested under the two conditions of Notes2 and Notes5.

Specification-Monoblock

Model name			8kW	10kW	12kW	14kW	16kW
Model			ACHP-H08/5R2HA-M	ACHP-H10/5R2HA-M	ACHP-H12/5R2HA-M	ACHP-H14/5R2HA-M	ACHP-H16/5R2HA-M
Power supply		V/Ph/H	380-415/3/50				
Heating2	Capacity	kW	8.4	10	12	14	15.1
	Rated input	kW	1.68	2.13	2.50	3.11	3.36
	COP		5	4.7	4.8	4.5	4.5
Heating3	Capacity	kW	7.8	9.5	12	14	15.1
	Rated input	kW	2.44	3.11	3.87	4.67	5.21
	COP		3.2	3.05	3.1	3	2.9
Cooling4	Capacity	kW	8.3	10	12	14	16
	Rated input	kW	1.61	2.11	2.67	3.89	4.10
	EER		5.15	4.75	4.5	3.6	3.9
Cooling5	Capacity	kW	7.5	8.9	11.5	12.7	14
	Rated input	kW	2.17	2.74	3.8	4.38	5.09
	EER		3.45	3.25	3.05	2.9	2.75
Seasonal space heating energy efficiency class7	LWT at 35°C		A+++	A+++	A+++	A+++	A+++
	LWT at 55°C		A+++	A+++	A+++	A+++	A+++
sound pressure level	Monobloc Unit	dB(A)	51	51	53	53	53
Sound power level	Monobloc Unit	dB	63	63	65	65	65
Packed dimensions (W×D×H)	Monobloc Unit	mm	1350*545*1210				
Body dimensions (W×D×H)	Monobloc Unit	mm	1280*420*1040				
Operating temperature range	Cooling	°C	-5 ~43				
	Heating	°C	-25~ 35				
	DHW(tank)	°C	-25~43				
Setting water temperature range	Cooling	°C	5~25				
	Heating	°C	25~80				
	DHW(tank)	°C	30~75				
Water circuit	Piping connections	inch	G1"BSP				
	Safety valve set pressure	MPa	0.3				
	Flow switch	m³/h	0.6				
	Expansion tank Volume	L	5				
	Capacity of the back-up heater	kW	9				
Stuffing Quantity	40H/40/20	Unit	68/33/16				

Note:

1.Relevant EU standards and legislation: EN14511; EN14825; EN50564; EN12102; (EU) No 811:2013; (EU) No 813:2013; OJ 2014/C 207/02:2014.

2. Outdoor air temperature 7°C DB, 85% R.H.; EWT 30°C, LWT 35°C.

3. Outdoor air temperature 7°C DB, 85% R.H.; EWT 47°C, LWT 55°C.

4. Outdoor air temperature 35°C DB; EWT 23°C, LWT 18°C.

5. Outdoor air temperature 35°C DB; EWT 12°C, LWT 7°C.

6. Seasonal space heating energy efficiency class tested in average climate conditions.

7. Test standard: EN12102-1

8. Sound pressure level is the maximum value tested under the two conditions of Notes2 and Notes5.

HEAT PUMP R32



Intelligent
operation



Intelligent
temperature control



Intelligent
health



Intelligent
control

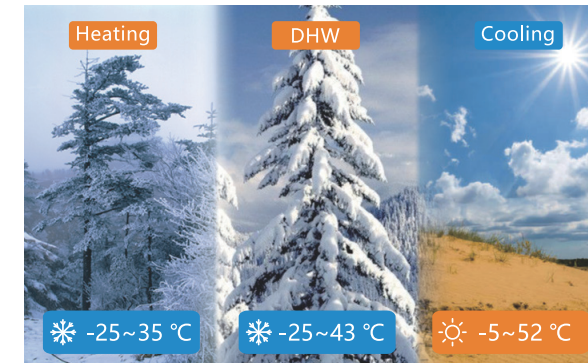


Intelligent
combination

Feature

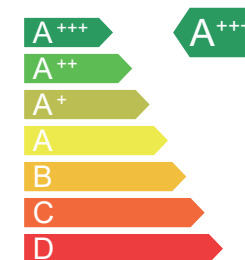
► Wide Operating Range

1. All main components are DC frequency conversion technologies, with electronic expansion valve for precise adjustment, can ensure the stable operation of $-25^{\circ}\text{C} \sim 35^{\circ}\text{C}$ ambient temperature heating, $-25^{\circ}\text{C} \sim 43^{\circ}\text{C}$ ambient temperature for hot water, $-5^{\circ}\text{C} \sim 52^{\circ}\text{C}$ ambient temperature operation for cooling.
2. Only with compressor, the maximum outlet temperature of heating water can reach 65°C , and the maximum water tank temperature of heating water can reach 57°C .

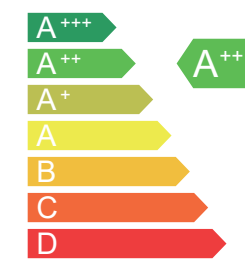


► Energy Efficiency

The energy efficiency grade for whole series of Low Average working conditions meets A+++, and the energy efficiency grade of Medium Average meets A++.



A+++



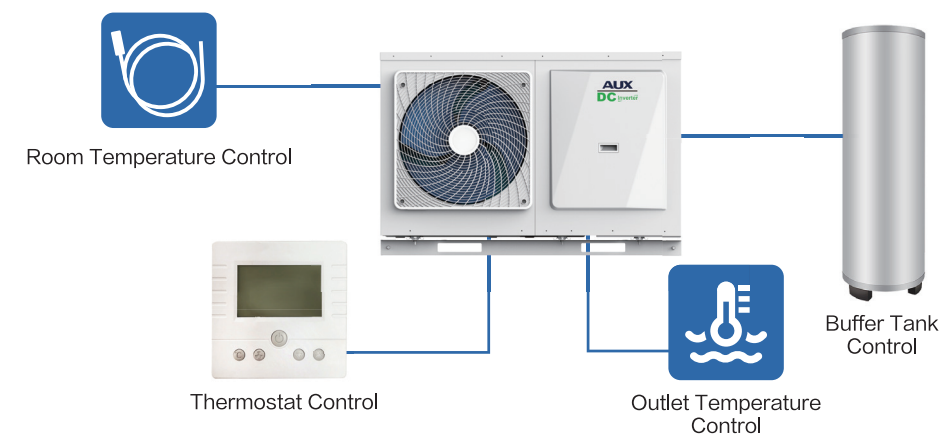
A++



Keymark

► Flexibility

According to the actual installation conditions and using habits, users can choose one of the four control methods: outlet temperature control, indoor temperature sensor control, indoor temperature controller control, and buffer tank control to make the room comfortable and meet the users requirements.

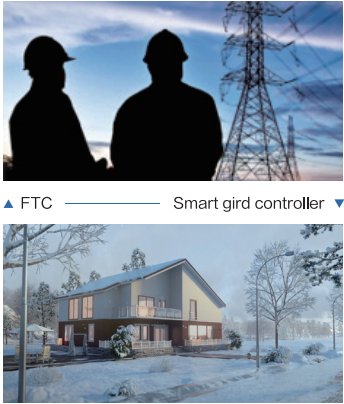


Feature

► The Smart Grid

Flexible response to the change of electricity prices, saving customers' use costs.

Signal	Operation model
Peak electricity	Restricted operation. HP run for certain time(5h) and then turn off.
Valley electricity	Normal operation
Free electricity	DHW mode turn on and setting water tank temperature to 70℃. HP turn on automatically when tank temperature is below 69℃



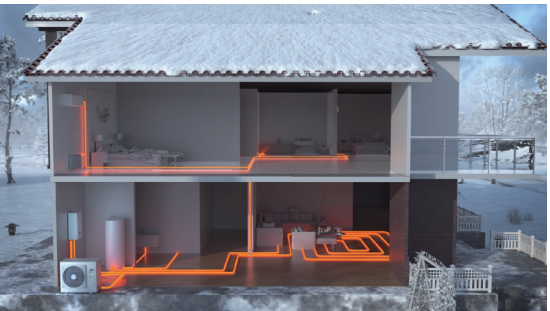
► Dual-temperature Control

Association control mixing pumps and three-way valves can be supported to ensure that high temperature water (for heating radiator) and medium and low temperature water (for underfloor heating) can be provided at the same time to meet user's requirement.



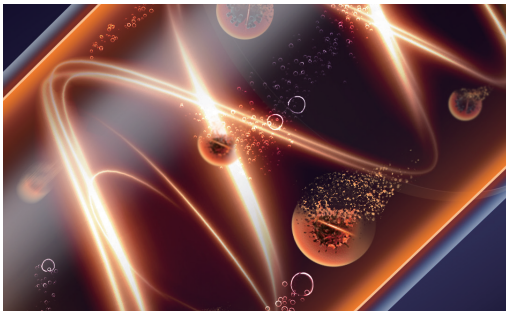
► Holiday mode

During the vacation, the heat pump maintains low load operation and saves the use cost while maintaining the indoor temperature.



► Disinfect

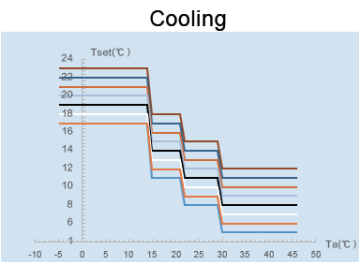
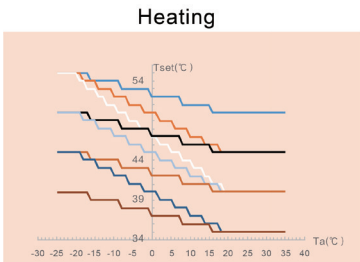
The heat pump will turn on the water tank disinfection function at a fixed time every week to sterilize the water tank and ensure the safety use of domestic hot water.



Feature

► ECO mode

The double temperature zone can control the inlet water temperature independently and automatically according to the change of ambient temperature.



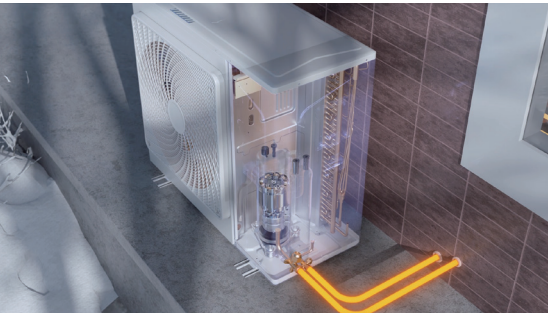
► Intelligent

The heat pump unit can be linked with the electric heating of water tank, solar energy, gas heater, etc. It can realize the functions of heat pump and electric heating of water tank, solar energy combined heating of hot water, and heat pump and gas furnace combined heating.



► Safety

According to the ambient temperature and climate type, automatically judge whether to carry out pipeline anti-freeze (heating+hot water) to ensure the safe use of the water pipeline.



► WiFi/MODBUS

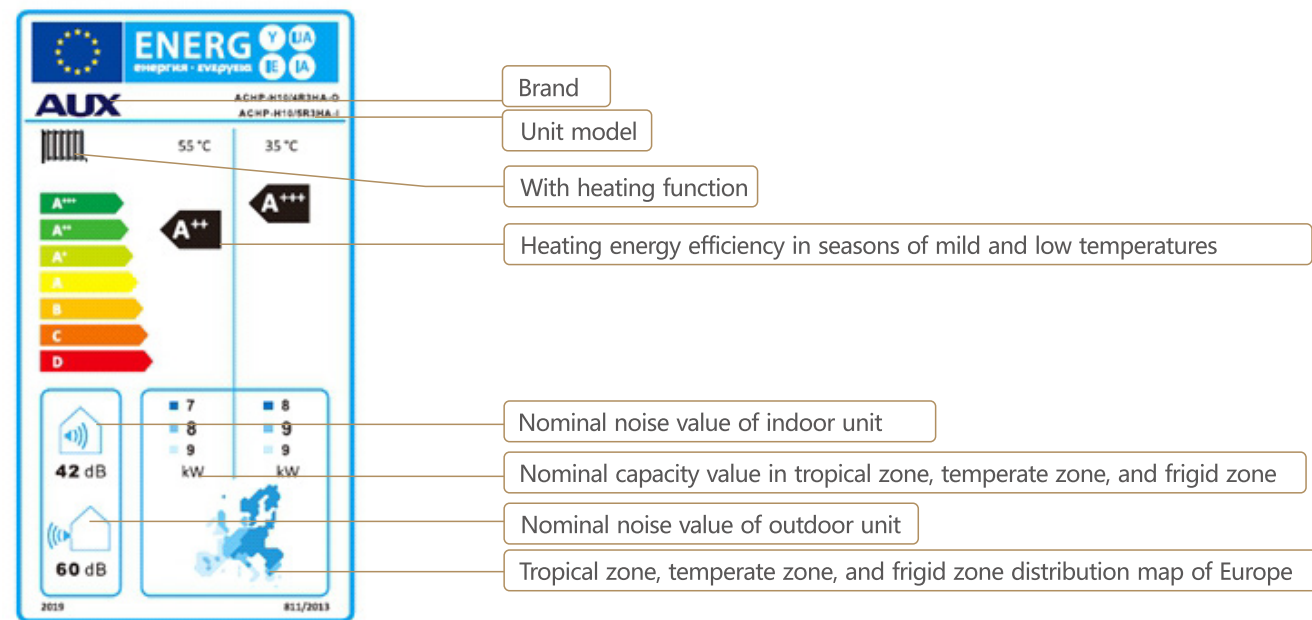
1. The unit has APP control function, which can easily realize remote control through mobile phones, computers and other Internet devices.
2. Open modbus protocol, can be connected to the centralized control system, and can conduct centralized control and information processing for the heat pump through the screen of the command center, the centralized control center, etc.

► Silent mode

Two levels of mute function can be freely selected to meet the different needs of different customers.

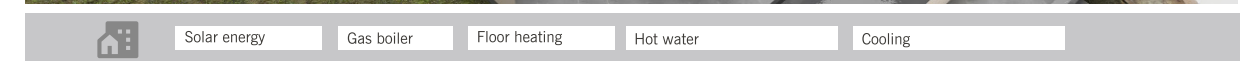


Overall Solution

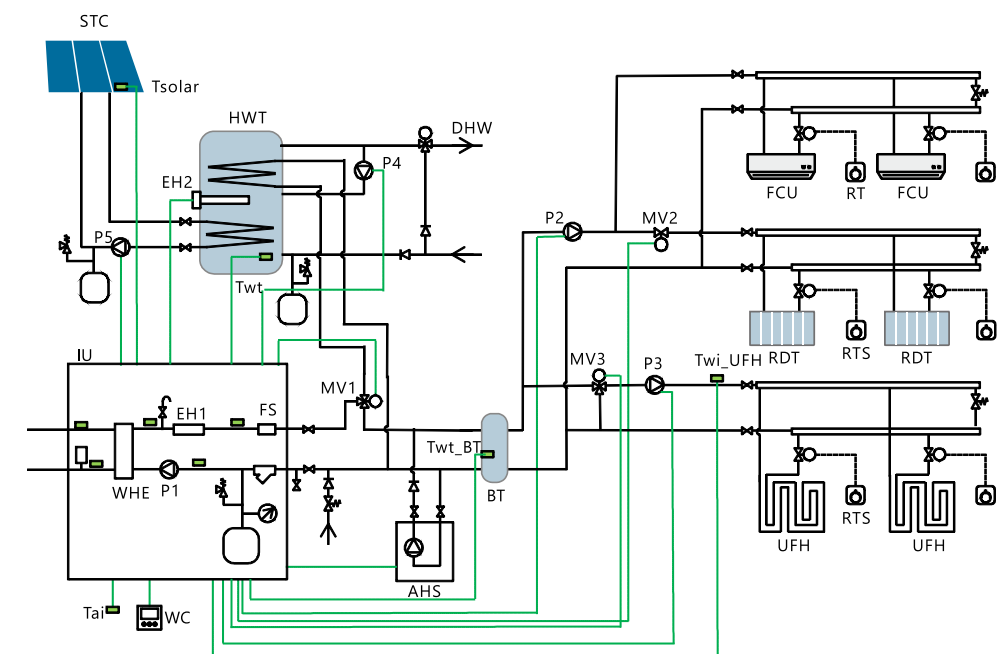


MONOBLODK	Energy efficiency at 35°C		Energy efficiency at 55°C	
	Energy efficiency value	A+++/A++	Energy efficiency value	A+++/A++
Model				
ACHP-H04/4R3HA-M	4.86	A+++	3.32	A++
ACHP-H06/4R3HA-M	4.96	A+++	3.53	A++
ACHP-H08/4R3HA-M	5.22	A+++	3.37	A++
ACHP-H10/4R3HA-M	5.20	A+++	3.50	A++
ACHP-H12/4R3HA-M	4.82	A+++	3.46	A++
ACHP-H14/4R3HA-M	4.71	A+++	3.48	A++
ACHP-H16/4R3HA-M	4.63	A+++	3.43	A++
ACHP-H12/5R3HA-M	4.82	A+++	3.46	A++
ACHP-H14/5R3HA-M	4.71	A+++	3.48	A++
ACHP-H16/5R3HA-M	4.63	A+++	3.43	A++

SPLIT	Energy efficiency at 35°C		Energy efficiency at 55°C	
	Energy efficiency value	A+++/A++	Energy efficiency value	A+++/A++
Model				
ACHP-H04/4R3HA-O	4.86	A+++	3.32	A++
ACHP-H06/4R3HA-O	4.96	A+++	3.53	A++
ACHP-H08/4R3HA-O	5.22	A+++	3.37	A++
ACHP-H10/4R3HA-O	5.20	A+++	3.50	A++
ACHP-H12/4R3HA-O	4.82	A+++	3.46	A++
ACHP-H14/4R3HA-O	4.71	A+++	3.48	A++
ACHP-H16/4R3HA-O	4.63	A+++	3.43	A++
ACHP-H12/5R3HA-O	4.82	A+++	3.46	A++
ACHP-H14/5R3HA-O	4.71	A+++	3.48	A++
ACHP-H16/5R3HA-O	4.63	A+++	3.43	A++



AUX heat pump unit can be linked with water tank electric heating, solar energy, gas furnace, etc., to achieve the electric heating with water tank, water heating with solar energy, and heating with gas furnace.



Specification-Monoblock

Model name			4kW	6kW	8kW	10kW
Model			ACHP-H04/4R3HA-M	ACHP-H06/4R3HA-M	ACHP-H08/4R3HA-M	ACHP-H10/4R3HA-M
Power supply		V/Ph/H	220-240/1/50			
Heating2	Capacity	kW	4.3	6.35	8.4	10
	Rated input	kW	0.83	1.28	1.62	2
	COP		5.2	4.95	5.2	5
Heating3	Capacity	kW	4.36	6.4	8.3	10
	Rated input	kW	1.47	2.13	2.60	3.23
	COP		2.96	3	3.19	3.1
Cooling4	Capacity	kW	4.5	6.6	8.45	10
	Rated input	kW	0.81	1.35	1.67	2.08
	EER		5.56	4.9	5.06	4.8
Cooling5	Capacity	kW	4.75	7.05	7.45	8.3
	Rated input	kW	1.40	2.35	2.20	2.52
	EER		3.4	3	3.39	3.3
Seasonal space heating energy efficiency class7	LWT at 35°C		A+++	A+++	A+++	A+++
	LWT at 55°C		A++	A++	A++	A++
SCOP6	LWT at 35°C		4.86	4.96	5.22	5.2
	LWT at 55°C		3.32	3.53	3.37	3.5
plate heat exchanger	Dimension(W*H*D)	mm	331*117*70	331*117*70	331*117*70	331*117*70
	Heat exchange area	m²	1.58	1.58	2.04	2.04
Water pump	Pump head	m	9t	9	9	9
	Max Flow	m³/h	4.5	4.5	4.5	4.5
	Adapter diameter		DN25	DN25	DN25	DN25
sound pressure level	Monobloc Unit	dB(A)	42	45	46	47
Sound power level	Monobloc Unit	dB	55	58	59	60
Packed dimensions (W×D×H)	Monobloc Unit	mm	1330×428×930		1465×550×1095	
Body dimensions (W×D×H)	Monobloc Unit	mm	1265×323×765		1385×520×933	
Net/Gross weight	Outdoor Unit	kg	90/98		124/136	
Operating temperature range	Cooling	°C	-5 ~43			
	Heating	°C	-25~ 35			
	DHW(tank)	°C	-25~43			
Setting water temperature range	Cooling	°C	5~25			
	Heating	°C	12~65			
	DHW(tank)	°C	30~60			
Water circuit	Piping connections	inch	G1"BSP			
	Safety valve set pressure	MPa	0.3			
	Flow switch	m³/h	0.36		0.6	
	Expansion tank Volume	L	8			
	Capacity of the back-up heater	kW	3			
Stuffing Quantity	40H/40/20	Unit	92/86/42	92/86/42	66/66/32	66/66/32

Note:

1.Relevant EU standards and legislation: EN14511; EN14825; EN50564; EN12102; (EU) No 811:2013; (EU) No 813:2013; OJ 2014/C 207/02:2014.

2. Outdoor air temperature 7°C DB, 85% R.H.; EWT 30°C, LWT 35°C.

3. Outdoor air temperature 7°C DB, 85% R.H.; EWT 47°C, LWT 55°C.

4. Outdoor air temperature 35°C DB; EWT 23°C, LWT 18°C.

5. Outdoor air temperature 35°C DB; EWT 12°C, LWT 7°C.

6. Seasonal space heating energy efficiency class tested in average climate conditions.

7. Test standard: EN12102-1

8. Sound pressure level is the maximum value tested under the two conditions of Notes2 and Notes5.

Specification-Monoblock

Model name			12kW	14kW	16kW
Model			ACHP-H12/4R3HA-M	ACHP-H14/4R3HA-M	ACHP-H16/4R3HA-M
Power supply		V/Ph/H	220-240/1/50		
Heating2	Capacity	kW	12.2	14.5	16.1
	Rated input	kW	2.44	3.08	3.57
	COP		4.96	4.71	4.51
Heating3	Capacity	kW	12	14	16.1
	Rated input	kW	3.86	4.67	5.53
	COP		3.11	3	2.91
Cooling4	Capacity	kW	12	13.6	15
	Rated input	kW	3	3.78	4.41
	EER		4	3.6	3.4
Cooling5	Capacity	kW	11.7	12.8	14
	Rated input	kW	4.3	5.00	5.7
	EER		2.75	2.56	2.46
Seasonal space heating energy efficiency class7	LWT at 35°C		A+++	A+++	A+++
	LWT at 55°C		A++	A++	A++
SCOP6	LWT at 35°C		4.82	4.71	4.63
	LWT at 55°C		3.46	3.48	3.43
plate heat exchanger	Dimension(W*H*D)	mm	331*117*70	331*117*70	331*117*70
	Heat exchange area	m²	2.04	2.04	2.04
Water pump	Pump head	m	9	9	9
	Max Flow	m³/h	4.5	4.5	4.5
	Adapter diameter		DN25	DN25	DN25
sound pressure level	Monobloc Unit	dB(A)	52	52	55
Sound power level	Monobloc Unit	dB	65	65	68
Packed dimensions (W×D×H)	Monobloc Unit	mm	1465×550×1095		
Body dimensions (W×D×H)	Monobloc Unit	mm	1385×520×933		
Net/Gross weight	Outdoor Unit	kg	137/149		
Operating temperature range	Cooling	°C	-5 ~43		
	Heating	°C	-25~ 35		
	DHW(tank)	°C	-25~43		
Setting water temperature range	Cooling	°C	5~25		
	Heating	°C	12~65		
	DHW(tank)	°C	30~60		
Water circuit	Piping connections	inch	G1"BSP		
	Safety valve set pressure	MPa	0.3		
	Flow switch	m³/h	0.6		
	Expansion tank Volume	L	8		
	Capacity of the back-up heater	kW	3		
Stuffing Quantity	40H/40/20	Unit	66/66/32		

Note:

1.Relevant EU standards and legislation: EN14511; EN14825; EN50564; EN12102; (EU) No 811:2013; (EU) No 813:2013; OJ 2014/C 207/02:2014.

2. Outdoor air temperature 7°C DB, 85% R.H.; EWT 30°C, LWT 35°C.

3. Outdoor air temperature 7°C DB, 85% R.H.; EWT 47°C, LWT 55°C.

4. Outdoor air temperature 35°C DB; EWT 23°C, LWT 18°C.

5. Outdoor air temperature 35°C DB; EWT 12°C, LWT 7°C.

6. Seasonal space heating energy efficiency class tested in average climate conditions.

7. Test standard: EN12102-1

8. Sound pressure level is the maximum value tested under the two conditions of Notes2 and Notes5.

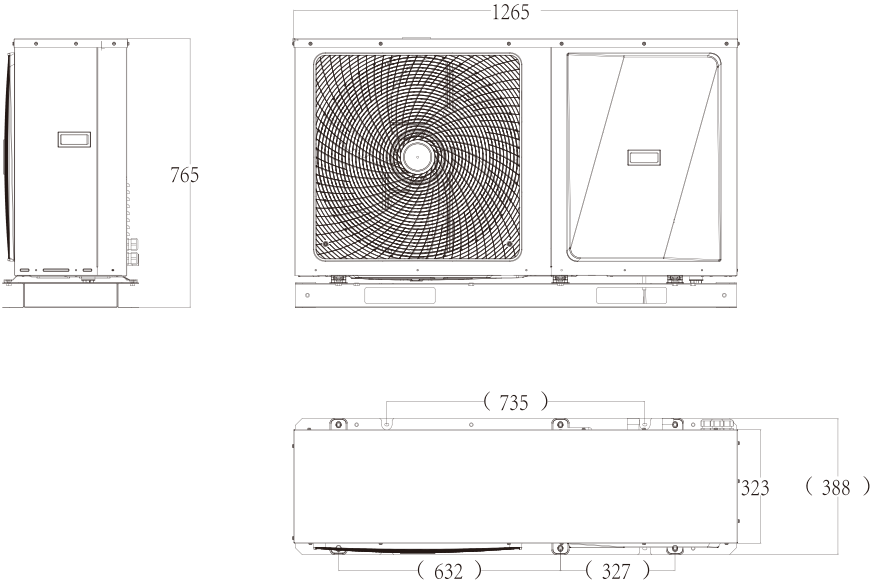
Specification-Monoblock

Model name			8kW	10kW	12kW	14kW	16kW
Model			ACHP-H08/5R3HA-M	ACHP-H10/5R3HA-M	ACHP-H12/5R3HA-M	ACHP-H14/5R3HA-M	ACHP-H16/5R3HA-M
Power supply		V/Ph/H	220-240/1/50	380-415/3/50	380-415/3/50		
Heating2	Capacity	kW	8.4	10	12.2	14.5	16.1
	Rated input	kW	1.62	2	2.44	3.08	3.57
	COP		5.2	5	4.96	4.71	4.51
Heating3	Capacity	kW	8.3	10	12	14	16.1
	Rated input	kW	2.60	3.23	3.86	4.67	5.53
	COP		3.19	3.1	3.11	3	2.91
Cooling4	Capacity	kW	8.45	10	12	13.6	15
	Rated input	kW	1.67	2.08	3	3.78	4.41
	EER		5.06	4.8	4	3.6	3.4
Cooling5	Capacity	kW	7.45	8.3	11.7	12.8	14
	Rated input	kW	2.20	2.52	4.3	5.00	5.7
	EER		3.39	3.3	2.75	2.56	2.46
Seasonal space heating energy efficiency class7	LWT at 35°C		A+++	A+++	A+++	A+++	A+++
	LWT at 55°C		A++	A++	A++	A++	A++
SCOP6	LWT at 35°C		5.22	5.2	4.82	4.71	4.63
	LWT at 55°C		3.37	3.5	3.46	3.48	3.43
plate heat exchanger	Dimension(W*H*D)	mm	331*117*70	331*117*70	331*117*70	331*117*70	331*117*70
	Heat exchange area	m²	2.04	2.04	2.04	2.04	2.04
Water pump	Pump head	m	9	9	9	9	9
	Max Flow	m³/h	4.5	4.5	4.5	4.5	4.5
	Adapter diameter		DN25	DN25	DN25	DN25	DN25
sound pressure level	Monobloc Unit	dB(A)	46	47	52	52	55
Sound power level	Monobloc Unit	dB	59	60	65	65	68
Packed dimensions (W×D×H)	Monobloc Unit	mm	1465×550×1095			1465×550×1095	
Body dimensions (W×D×H)	Monobloc Unit	mm	1385×520×933			1385×520×933	
Net/Gross weight	Outdoor Unit	kg	128/140			140/151	
Operating temperature range	Cooling	°C	-5 ~43				
	Heating	°C	-25~ 35				
	DHW(tank)	°C	-25~43				
Setting water temperature range	Cooling	°C	5~25				
	Heating	°C	12~65				
	DHW(tank)	°C	30~60				
Water circuit	Piping connections	inch	G1"BSP				
	Safety valve set pressure	MPa	0.3				
	Flow switch	m³/h	0.36				
	Expansion tank Volume	L	8				
	Capacity of the back-up heater	kW	9				
Stuffing Quantity	40H/40/20	Unit	66/66/32				

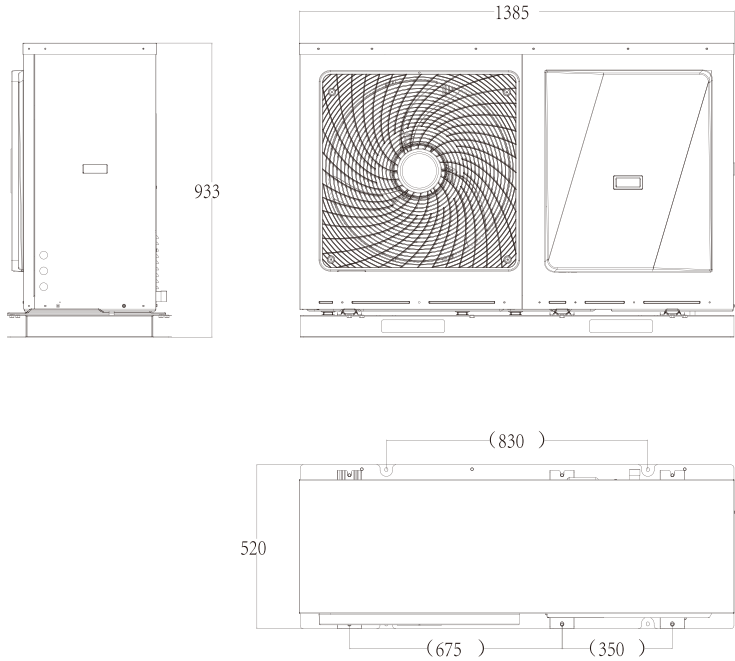
Note:
1.Relevant EU standards and legislation: EN14511; EN14825; EN50564; EN12102; (EU) No 811:2013; (EU) No 813:2013; OJ 2014/C 207/02:2014.
2. Outdoor air temperature 7°C DB, 85% R.H.; EWT 30°C, LWT 35°C.
3. Outdoor air temperature 7°C DB, 85% R.H.; EWT 47°C, LWT 55°C.
4. Outdoor air temperature 35°C DB; EWT 23°C, LWT 18°C.
5. Outdoor air temperature 35°C DB; EWT 12°C, LWT 7°C.
6. Seasonal space heating energy efficiency class tested in average climate conditions.
7. Test standard: EN12102-1
8. Sound pressure level is the maximum value tested under the two conditions of Notes2 and Notes5.

Dimension

ACHP-HO4/4R3HA-M、ACHP-HO6/4R3HA-M



ACHP-H08/4R3HA-M、ACHP-H10/4R3HA-M、ACHP-H12/4R3HA-M
ACHP-H14/4R3HA-M、ACHP-H16/4R3HA-M
ACHP-H08/5R3HA-M、ACHP-H10/5R3HA-M、ACHP-H12/5R3HA-M
ACHP-H14/5R3HA-M、ACHP-H16/5R3HA-M



Specification-Split-outdoor

Model name			4kW	6kW	8kW	10kW
market model			ACHP-H04/4R3HA-O	ACHP-H06/4R3HA-O	ACHP-H08/4R3HA-O	ACHP-H10/4R3HA-O
ODU Power Supply		V/Ph/H	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Heating2	Capacity	kW	4.3	6.25	8.4	10
	Rated input	kW	0.83	1.25	1.62	2
	COP		5.2	5	5.2	5
Heating3	Capacity	kW	4.36	6.4	8.3	10
	Rated input	kW	1.47	2.13	2.60	3.23
	COP		2.96	3	3.19	3.1
Cooling4	Capacity	kW	4.5	6.6	8.45	10
	Rated input	kW	0.81	1.35	1.67	2.08
	EER		5.56	4.9	5.06	4.8
Cooling5	Capacity	kW	4.75	7.05	7.45	8.3
	Rated input	kW	1.40	2.35	2.20	2.52
	EER		3.4	3	3.39	3.3
Seasonal space heating energy efficiency class ⁷	LWT at 35°C		A+++	A+++	A+++	A+++
	LWT at 55°C		A++	A++	A++	A++
SCOP6	LWT at 35°C		4.86	4.96	5.22	5.2
	LWT at 55°C		3.32	3.53	3.37	3.5
sound pressure level	H	dB(A)	38	38	45	48
sound power level	H	dB(A)	56	58	58	61
Dimension(W*D*H)	Net	mm	700×350×900	700×350×900	805×395×970	805×395×970
	Packing	mm	770×430×1020	770×430×1020	895×495×1105	895×495×1105
Wight	Net	kg	51	51	61.5	61.5
	Gross	kg	55	55	66	66
Refrigerant Piping	Liquid Side	mm	9.52	9.52	9.52	9.52
	Gas Side	mm	15.88	15.88	15.88	15.88
	MAX length	m	30	30	30	30
	MIN length	m	2	2	2	2
Installation height difference	ODU above	m	20	20	20	20
	ODU below	m	20	20	20	20
Operating temperature range	Cooling	°C	-5 ~52	-5~52	-5~52	-5~52
	Heating	°C	-25~35	-25~35	-25~35	-25~35
	DHW	°C	-25~43	-25~43	-25~43	-25~43
Stuffing Quantity	20/40/40H	Unit	87/183/183	87/183/183	44/96/144	44/96/144

Note:

1.Relevant EU standards and legislation: EN14511; EN14825; EN50564; EN12102; (EU) No 811:2013; (EU) No 813:2013; OJ 2014/C 207/02:2014.

2. Outdoor air temperature 7°C DB, 85% R.H.; EWT 30°C, LWT 35°C.

3. Outdoor air temperature 7°C DB, 85% R.H.; EWT 47°C, LWT 55°C.

4. Outdoor air temperature 35°C DB; EWT 23°C, LWT 18°C.

5. Outdoor air temperature 35°C DB; EWT 12°C, LWT 7°C.

6. Seasonal space heating energy efficiency class tested in average climate conditions.

7. Test standard: EN12102-1

8. Sound pressure level is the maximum value tested under the two conditions of Notes2 and Notes5.

Specification-Split-outdoor

Model name			12kW	14kW	16kW
market model			ACHP-H12/4R3HA-O	ACHP-H14/4R3HA-O	ACHP-H16/4R3HA-O
ODU Power Supply		V/Ph/H	220-240/1/50	220-240/1/50	220-240/1/50
Heating2	Capacity	kW	12.2	14.5	16.1
	Rated input	kW	2.44	3.08	3.57
	COP		4.96	4.71	4.51
Heating3	Capacity	kW	12	14	16.1
	Rated input	kW	3.86	4.67	5.53
	COP		3.11	3	2.91
Cooling4	Capacity	kW	12	13.6	15
	Rated input	kW	3	3.78	4.41
	EER		4	3.6	3.4
Cooling5	Capacity	kW	11.7	12.8	14
	Rated input	kW	4.3	5.00	5.7
	EER		2.75	2.56	2.46
Seasonal space heating energy efficiency class ⁷	LWT at 35°C		A+++	A+++	A+++
	LWT at 55°C		A++	A++	A++
SCOP6	LWT at 35°C		4.82	4.71	4.63
	LWT at 55°C		3.46	3.48	3.43
sound pressure level	H	dB(A)	49	50	54
sound power level	H	dB(A)	64	65	68
Dimension(W*D*H)	Net	mm	870×480×1060	870×480×1060	870×480×1060
	Packing	mm	980×545×1100	980×545×1100	980×545×1100
Wight	Net	kg	87	87	87
	Gross	kg	95	95	95
Refrigerant Piping	Liquid Side	mm	9.52	9.52	9.52
	Gas Side	mm	15.88	15.88	15.88
	MAX length	m	30	30	30
	MIN length	m	2	2	2
Installation height difference	ODU above	m	20	20	20
	ODU below	m	20	20	20
Operating temperature range	Cooling	°C	-5~52	-5~52	-5~52
	Heating	°C	-25~35	-25~35	-25~35
	DHW	°C	-25~43	-25~43	-25~43
Stuffing Quantity	20/40/40H	Unit	40/84/84	40/84/84	40/84/84

Note:

1.Relevant EU standards and legislation: EN14511; EN14825; EN50564; EN12102; (EU) No 811:2013; (EU) No 813:2013; OJ 2014/C 207/02:2014.

2. Outdoor air temperature 7°C DB, 85% R.H.; EWT 30°C, LWT 35°C.

3. Outdoor air temperature 7°C DB, 85% R.H.; EWT 47°C, LWT 55°C.

4. Outdoor air temperature 35°C DB; EWT 23°C, LWT 18°C.

5. Outdoor air temperature 35°C DB; EWT 12°C, LWT 7°C.

6. Seasonal space heating energy efficiency class tested in average climate conditions.

7. Test standard: EN12102-1

8. Sound pressure level is the maximum value tested under the two conditions of Notes2 and Notes5.

Specification-Split-outdoor

Model name			12kW	14kW	16kW
market model			ACHP-H12/5R3HA-O	ACHP-H14/5R3HA-O	ACHP-H16/5R3HA-O
ODU Power Supply		V/Ph/H	380-415/3/50	380-415/3/50	380-415/3/50
Heating2	Capacity	kW	12.2	14.5	16.1
	Rated input	kW	2.44	3.08	3.57
	COP		4.96	4.71	4.51
Heating3	Capacity	kW	12	14	16.1
	Rated input	kW	3.86	4.67	5.53
	COP		3.11	3	2.91
Cooling4	Capacity	kW	12	13.6	15
	Rated input	kW	3	3.78	4.41
	EER		4	3.6	3.4
Cooling5	Capacity	kW	11.7	12.8	14
	Rated input	kW	4.3	5.00	5.7
	EER		2.75	2.56	2.46
Seasonal space heating energy efficiency class ⁷	LWT at 35°C		A+++	A+++	A+++
	LWT at 55°C		A++	A++	A++
SCOP ⁶	LWT at 35°C		4.82	4.71	4.63
	LWT at 55°C		3.46	3.48	3.43
sound pressure level	H	dB(A)	49	50	54
sound power level	H	dB(A)	64	65	68
Dimension(W*D*H)	Net	mm	870×480×1060	870×480×1060	870×480×1060
	Packing	mm	980×545×1100	980×545×1100	980×545×1100
Wight	Net	kg	88	88	88
	Gross	kg	94	94	94
Refrigerant Piping	Liquid Side	mm	9.52	9.52	9.52
	Gas Side	mm	15.88	15.88	15.88
	MAX length	m	30	30	30
	MIN length	m	2	2	2
Installation height difference	ODU above	m	20	20	20
	ODU below	m	20	20	20
Operating temperature range	Cooling	°C	-5~52	-5~52	-5~52
	Heating	°C	-25~35	-25~35	-25~35
	DHW	°C	-25~43	-25~43	-25~43
Stuffing Quantity	20/40/40H	Unit	40/84/84	40/84/84	40/84/84

Note:
1.Relevant EU standards and legislation: EN14511; EN14825; EN50564; EN12102; (EU) No 811:2013; (EU) No 813:2013; OJ 2014/C 207/02:2014.
2. Outdoor air temperature 7°C DB, 85% R.H.; EWT 30°C, LWT 35°C.
3. Outdoor air temperature 7°C DB, 85% R.H.; EWT 47°C, LWT 55°C.
4. Outdoor air temperature 35°C DB; EWT 23°C, LWT 18°C.
5. Outdoor air temperature 35°C DB; EWT 12°C, LWT 7°C.
6. Seasonal space heating energy efficiency class tested in average climate conditions.
7. Test standard: EN12102-1
8. Sound pressure level is the maximum value tested under the two conditions of Notes2 and Notes5.

Specification-Split-Hydraulic module

Model name			4kW	6kW	8kW	10kW
market model			ACHP-H04/4R3HA-I	ACHP-H06/4R3HA-I	ACHP-H08/4R3HB-I	ACHP-H10/4R3HA-I
ODU Power Supply		V~,Hz,Ph	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
plate heat exchanger	Dimension (W*H*D)	mm	331*117*70	331*117*70	331*117*87	331*117*87
	Heat exchange area	m²	1.58	1.58	2.04	2.04
Water Pump	Pump head	m	9	9	9	9
	Max Flow	m³/h	4.5	4.5	4.5	4.5
	Adapter diameter		DN25	DN25	DN25	DN25
Indoor Unit	Sound Pressure Noise Level (Hi/Mi/Lo)	dB(A)	30	30	31	31
	Sound Power Noise Level (Hi/Mi/Lo)	dB(A)	42	42	43	43
	Net Dimension (W*D*H)	mm	420×270×790	420×270×790	420×270×790	420×270×790
	Packing Dimension (W*D*H)	mm	515×1045×350	515×1045×350	515×1045×350	515×1045×350
	Net Weight	Kg	38	38	38	38
	Gross Weight	Kg	44	44	43	43
Setting water temperature range	Cooling	°C	5~25	5~25	5~25	5~25
	Heating	°C	25~65	25~65	25~65	25~65
	DHW(tank)	°C	25~60	25~60	25~60	25~60
Water circuit	Piping connections	inch	R1"	R1"	R1"	R1"
	Safety valve set pressure	MPa	0.3	0.3	0.3	0.3
	Flow switch	m³/h	0.36	0.36	0.6	0.6
	Drainage pipe connection	mm	φ25	φ25	φ25	φ25
	Expansion tank	L	8	8	8	8
	Capacity of the back-up heater	kW	3	3	3	3
	Water pump head	m	9	9	9	9
Refrigerant Pipe	Liquid Side	mm	15.88	15.88	15.88	15.88
	Gas Side	mm	9.52	9.52	9.52	9.52
	Drainage	mm	DN25	DN25	DN25	DN25
Qty'per 20' & 40'&40HQ		Set	132/264/322	132/264/322	132/264/322	132/264/322

Model name			12kW	14kW	16kW
market model			ACHP-H12/4R3HA-I	ACHP-H14/4R3HA-I	ACHP-H16/4R3HA-I
ODU Power Supply		V~,Hz,Ph	220-240/1/50	220-240/1/50	220-240/1/50
plate heat exchanger	Dimension (W*H*D)	mm	331*117*87	331*117*87	331*117*87
	Heat exchange area	m²	2.04	2.04	2.04
Water Pump	Pump head	m	9m	9m	9m
	Max Flow	m³/h	4.5m3/h	4.5m3/h	4.5m3/h
	Adapter diameter		DN25	DN25	DN25
Indoor Unit	Sound Pressure Noise Level (Hi/Mi/Lo)	dB(A)	31	31	31
	Sound Power Noise Level (Hi/Mi/Lo)	dB(A)	43	43	43
	Net Dimension (W*D*H)	mm	420×270×790	420×270×790	420×270×790
	Packing Dimension (W*D*H)	mm	515×1045×350	515×1045×350	515×1045×350
	Net Weight	Kg	38	38	38
	Gross Weight	Kg	43	43	43
Setting water temperature range	Cooling	°C	5~25	5~25	5~25
	Heating	°C	25~65	25~65	25~65
	DHW(tank)	°C	25~60	25~60	25~60
Water circuit	Piping connections	inch	R1"	R1"	R1"
	Safety valve set pressure	MPa	0.3	0.3	0.3
	Flow switch	m³/h	0.6	0.6	0.6
	Drainage pipe connection	mm	φ25	φ25	φ25
	Expansion tank	L	8	8	8
	Capacity of the back-up heater	kW	3	3	3
	Water pump head	m	9	9	9
Refrigerant Pipe	Liquid Side	mm	15.88	15.88	15.88
	Gas Side	mm	9.52	9.52	9.52
	Drainage	mm	DN25	DN25	DN25
Qty'per 20' & 40'&40HQ		Set	132/264/322	132/264/322	132/264/322

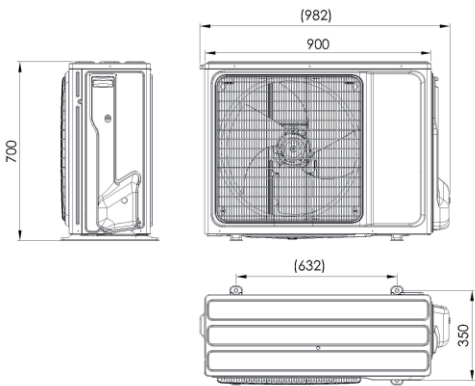
Specification-Split-Hydraulic module

Model name			8kW	10kW	12kW	14kW	16kW
market model			ACHP-H08/4R3HA-I	ACHP-H10/5R3HA-I	ACHP-H12/5R3HA-I	ACHP-H14/5R3HA-I	ACHP-H16/5R3HA-I
ODU 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
	Dimension (W*H*D)	mm	331*117*87	331*117*87	331*117*87	331*117*87	331*117*87
plate heat exchanger	Heat exchange area	m²	2.04	2.04	2.04	2.04	2.04
	Pump head	m	9m	9m	9m	9m	9m
Water Pump	Max Flow	m³/h	4.5m3/h	4.5m3/h	4.5m3/h	4.5m3/h	4.5m3/h
	Adapter diameter		DN25	DN25	DN25	DN25	DN25
Indoor Unit	Sound Pressure Noise Level (Hi/Mi/Lo)	dB(A)	31	31	31	31	31
	Sound Power Noise Level (Hi/Mi/Lo)	dB(A)	43	43	43	43	43
	Net Dimension (W*D*H)	mm	420×270×790	420×270×790	420×270×790	420×270×790	420×270×790
	Packing Dimension (W*D*H)	mm	515×1045×350	515×1045×350	515×1045×350	515×1045×350	515×1045×350
	Net Weight	Kg	39	39	39	39	39
Setting water temperature range	Gross Weight	Kg	45	45	45	45	45
	Cooling	°C	5~25	5~25	5~25	5~25	5~25
	Heating	°C	25~65	25~65	25~65	25~65	25~65
	DHW(tank)	°C	25~60	25~60	25~60	25~60	25~60
Water circuit	Piping connections	inch	R1"	R1"	R1"	R1"	R1"
	Safety valve set pressure	MPa	0.3	0.3	0.3	0.3	0.3
	Flow switch	m³/h	0.6	0.6	0.6	0.6	0.6
	Drainage pipe connection	mm	φ25	φ25	φ25	φ25	φ25
	Expansion tank	L	8	8	8	8	8
	Capacity of the back-up heater	kW	9	9	9	9	9
	Water pump head	m	9	9	9	9	9
Refrigerant Pipe	Liquid Side	mm	15.88	15.88	15.88	15.88	15.88
	Gas Side	mm	9.52	9.52	9.52	9.52	9.52
	Drainage	mm	DN25	DN25	DN25	DN25	DN25
Qty'per 20' & 40' & 40HQ			Set	132/264/322	132/264/322	132/264/322	132/264/322

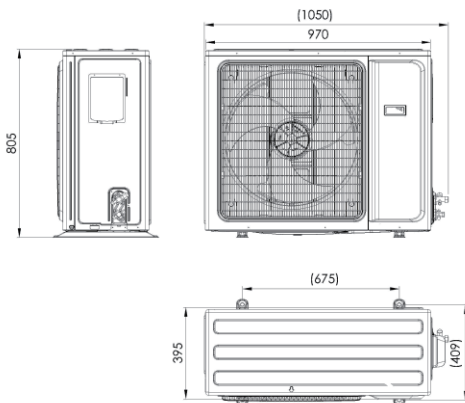
Note:
1.Relevant EU standards and legislation: EN14511; EN14825; EN50564; EN12102; (EU) No 813:2013; (EU) No 813:2013; OJ 2014/C 207/02:2014.
2. Outdoor air temperature 7°C DB, 85% R.H.; EWT 30°C, LWT 35°C.
3. Outdoor air temperature 7°C DB, 85% R.H.; EWT 47°C, LWT 55°C.
4. Outdoor air temperature 35°C DB; EWT 23°C, LWT 18°C.
5. Outdoor air temperature 35°C DB; EWT 12°C, LWT 7°C.
6. Seasonal space heating energy efficiency class tested in average climate conditions.
7. Test standard: EN12102-1
8. Sound pressure level is the maximum value tested under the two conditions of Notes2 and Notes5.

Dimension

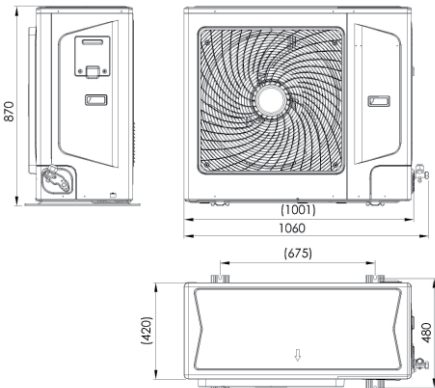
ACHP-H04/4R3HA-O、ACHP-H06/4R3HA-O



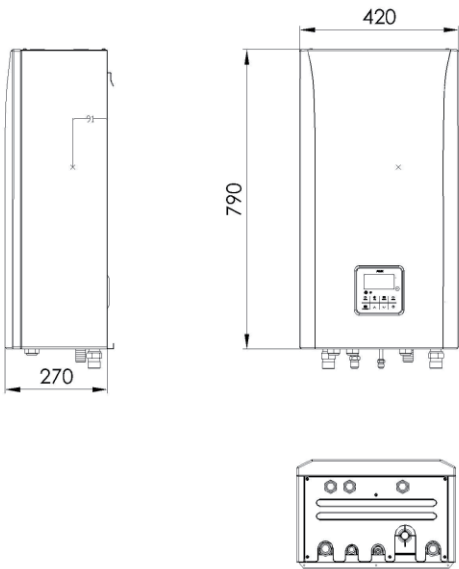
ACHP-H08/4R3HA-O、ACHP-H10/4R3HA-O



ACHP-H12/5R3HA-O、ACHP-H14/5R3HA-O、ACHP-H16/5R3HA-O



ACHP-H04/4R3HA-I、ACHP-H06/4R3HA-I、ACHP-H08/4R3HA-I、ACHP-H10/5R3HA-I、ACHP-H12/5R3HA-I、ACHP-H14/5R3HA-I、ACHP-H16/5R3HA-I



VRF System

► Feature



Efficiency



Healthy



Comfortable



Intelligent



Easy
control



Easy
maintenance

► Authentication



A+++



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.

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.

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.

Product Lineup

Modular VRF Outdoor Unit

ARV 7: Scroll series

Capacity	(kW)	25.2	28.0	33.5	40.0	45.0	50.4	56.0	61.5	68.0	73.5	78.5	85.0	90.0	95.2	101
	(HP)	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36



8/10/12HP



14/16HP



18/20/22HP



24/26/28/30/32/34/36HP



38-72HP



74-108HP



110-144HP



Product Lineup

Mini VRF Outdoor Unit

Capacity(kW)		8	10	12	14	16	22	25	26	28	34
220V~240V 50/ 60Hz		•	•	•	•	•	•	•			
380V~415V 50/ 60Hz				•	•	•	•	•	•	•	•

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
Compact Cassette			•	•	•	•								
Cassette			•	•	•	•	•	•	•	•	•	•	•	
Slim Duct		•	•	•	•	•	•							
Mid ESP Duct					•	•	•	•	•	•	•	•	•	•
Wall-mounted		•	•	•	•	•	•							
Ceiling&Floor					•	•	•	•	•	•	•	•	•	

Capacity(kW)	Appearance	22.0	28.0	45.0	56.0
High ESP Duct		•	•		
Fresh Air Processor		•	•	•	•

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
Cassette							•	•	•	•	•	•	•	
Slim Duct		•	•	•	•	•	•							
Mid ESP Duct					•	•	•	•	•	•	•	•	•	•
High ESP Duct											•	•	•	•

AHU Kit

Mode	Appearance	ARVK-01A	ARVK-02A
ARVK		•	•

Heat Recovery Ventilator

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

Product Lineup

Indoor Unit

ARV - CA - H 028 / 4 R1 A

Design Series Code

Refrigerant Type:
R1: R410A.

Power Supply:
2: 220-240V~, 1Ph, 60Hz
5: 380-415V~, 3Ph, 50Hz
9: 208-230V~, 3Ph, 60Hz
S: 380-415V~, 3Ph, 50/60Hz

Cooling Capacity (×100W)

H: Cooling & Heating

Indoor Unit Type:
CA: Four-Way Cassette
SD: Slim Duct
HD: High ESP Duct
FA: Fresh Air Processor

AUX Refrigerant Variable AC

R22 Omitted

4: 220-240V~, 1Ph, 50Hz
6: 380-415V~, 3Ph, 60Hz
N: 220-240V~, 1Ph, 50/60Hz

C: Cooling Only

CF: Ceiling&Floor
MD: Mid ESP Duct
WM: Wall-Mounted

Outdoor Unit

ARV T - H 280 / 4 R1 M A

Design Series Code

M: Modular Outdoor Unit

Refrigerant Type:
R1: R410A.

Power Supply:
2: 220-240V~, 1Ph, 60Hz
5: 380-415V~, 3Ph, 50Hz
9: 208-230V~, 3Ph, 60Hz
S: 380-415V~, 3Ph, 50/60Hz

Cooling Capacity (×100W)

H: Cooling & Heating

Climate Class:
T: Tropical High Efficiency Type

AUX Refrigerant Variable AC

Non- Modular Omitted

R22 Omitted

4: 220-240V~, 1Ph, 50Hz
6: 380-415V~, 3Ph, 60Hz
N: 220-240V~, 1Ph, 50/60Hz

C: Cooling Only



ARV 7 Series

-All DC Inverter ARV System

Feature (ARV 7)

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, ARV7 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

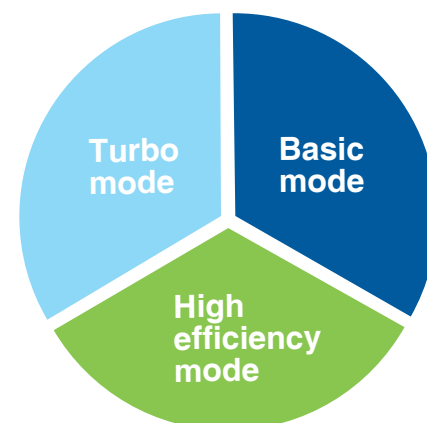
High cooling and heating performance, cool down or warm up the room rapidly.

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

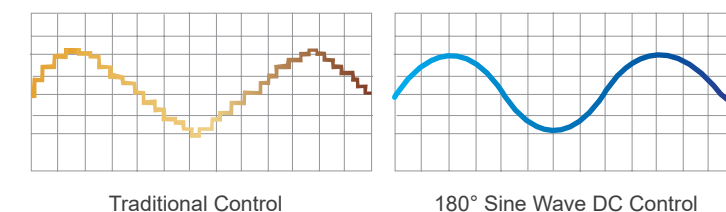
ARV 7 Series achieves the industry's top class energy efficiency in cooling and heating by utilizing all DC inverter compressors, and Enhanced vapor injection.

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



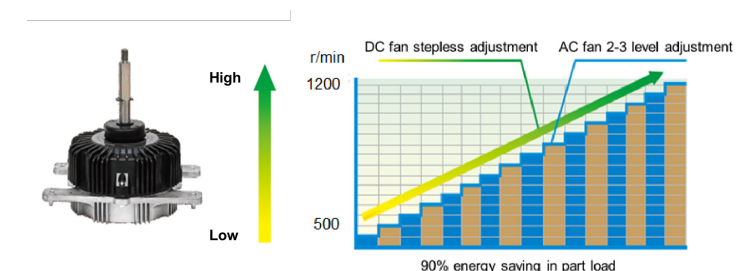
► 180° Sine Wave Control

DC inverter compressor users 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.



► High efficiency DC 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

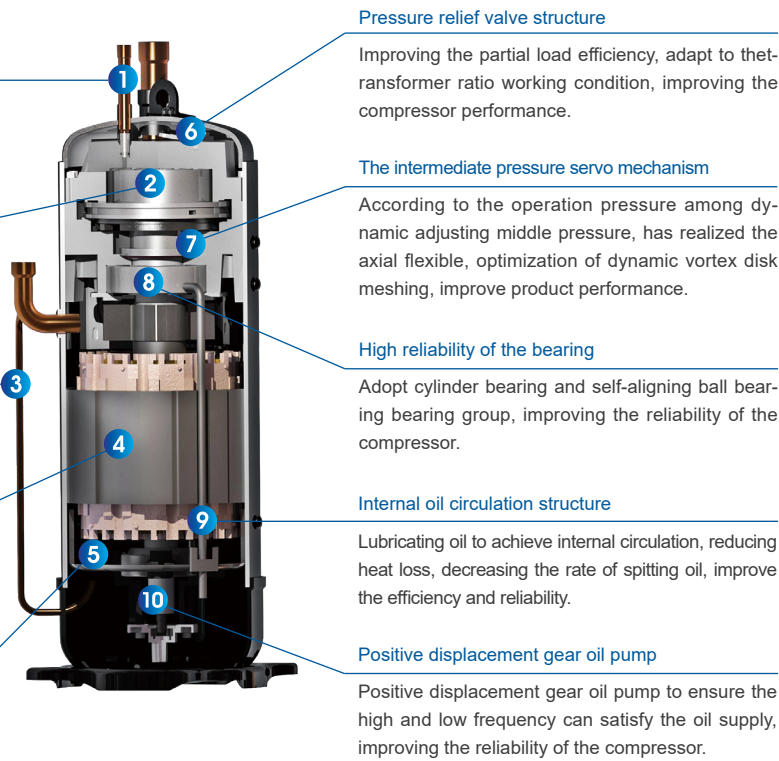
Oil balance tube implementation parallel compressor and oil quantity dynamic equilibrium, ensuring the reliability of several parallel compressors.

High efficiency motor configuration

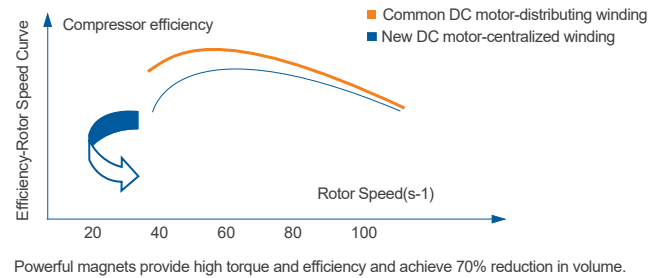
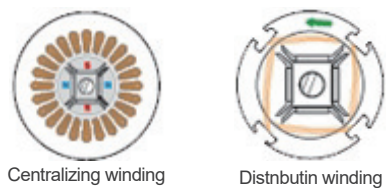
Using high quality material concentrated stator, cooperate with neodymium magnet rotor, having outstanding efficiency.

High pressure cavity structure

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

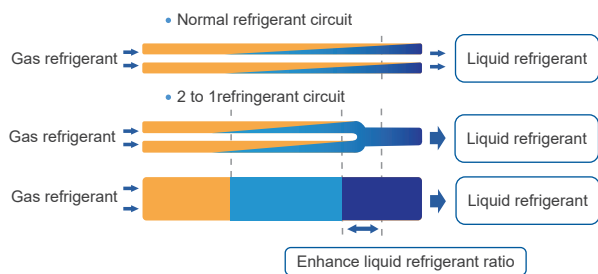


► High-efficient permanent magnetic motors are installed, giving better performance than traditional DC inverter compressors.

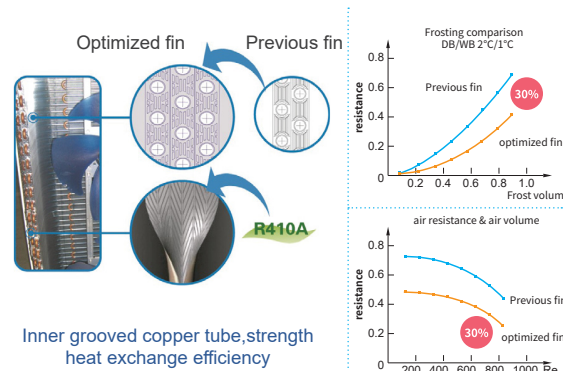


► High Efficient Heat Exchanger

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

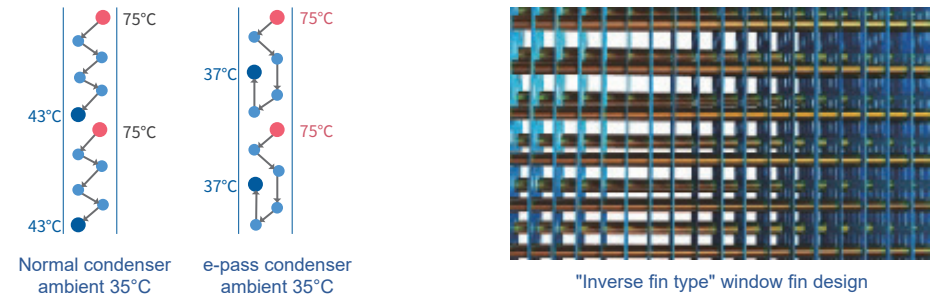


► Optimized fin design, reduces the water resistance and the wind resistance.

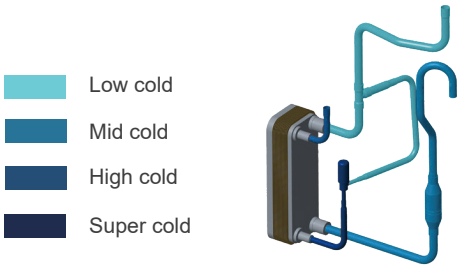


► 2-stage Sub-cooling Technology

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.



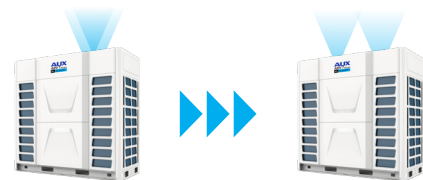
Compressor anticipation energy-saving adjustment technology

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



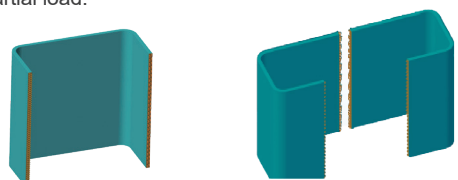
Fan anticipation energy-saving adjustment technology

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

15 basic models from 8HP to 36HP.
Maximum combination: 144HP(404kW), top level in industry.
Less quantity of system, space saving, easy installation and low cost.



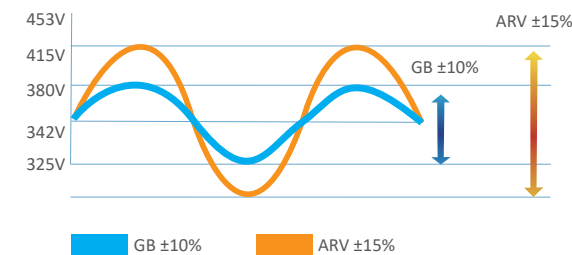
► Wide Operation Range

No matter in hot summer or cold winter, ARV 7 can supply comfortable environment for users.



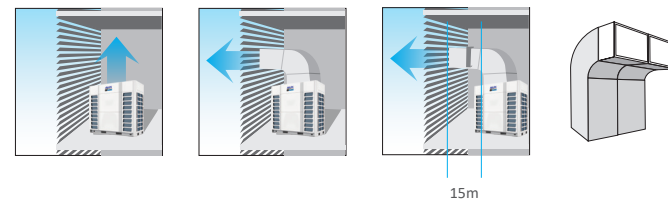
► Wide Voltage Design

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



► Changeable ESP

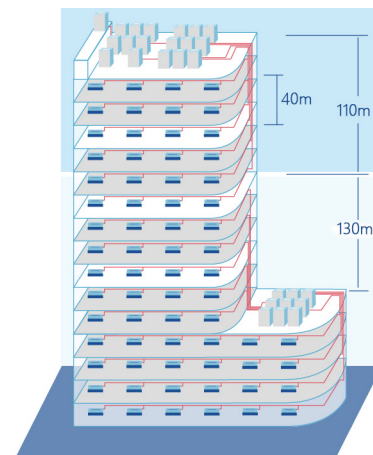
Optimized fan provide outdoor unit up to 80Pa(8-22HP), 125Pa(24-36HP) static pressure. Outdoor units can be installed in the service floor or facility room.



► 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.piping length between ODU and farthest IDU — 200m
- 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/130m

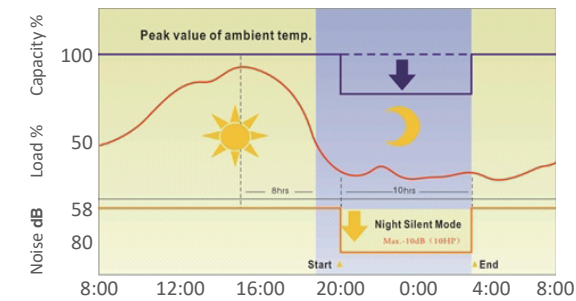


*The longest length after first branch is 40m as standard can be extended to up to 90m under certain conditions.Please contact your local dealer for further information.

Comfortable And Healthy Environment

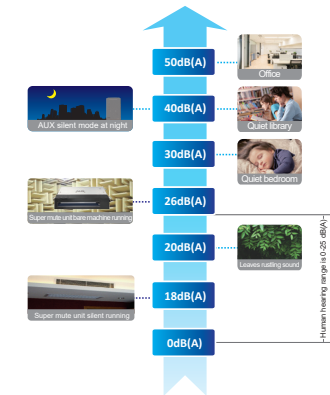
► 12 levels silent modes

"6-levels night silent modes.
6-levels daytime silent modes".



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.

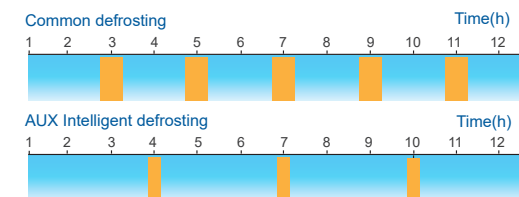


► Intelligent Defrosting

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

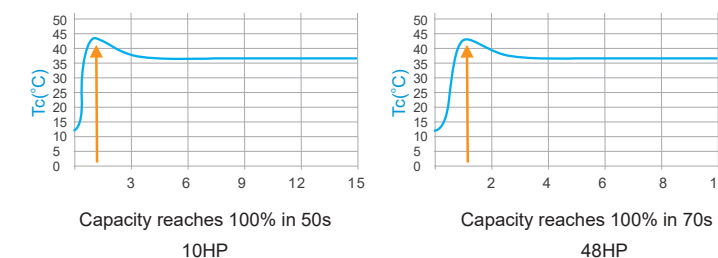
Base on the main unit and at the end of the EXV control the output, fast bolt in liquid refrigerant system, unit operation is more stable; Through the dry run, defrosting exhaust temperature higher, more complete, more conventional. The defrosting time less 3 min than others at least.

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



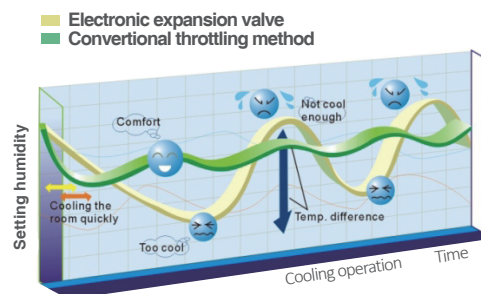
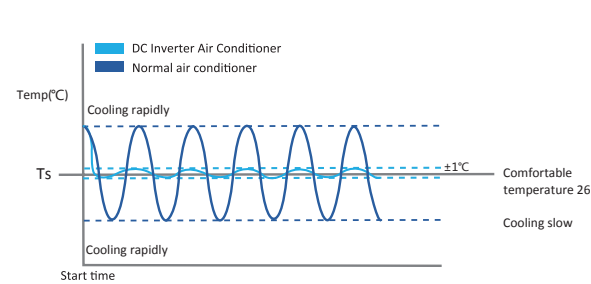
► Fast Warm Up And Cool Down

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

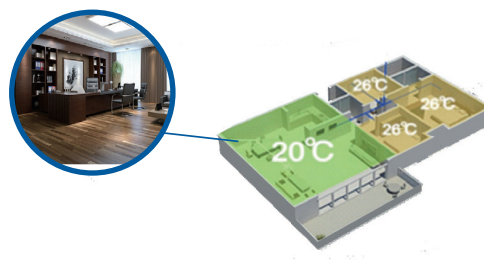
Using composite temperature control technology, through detecting the operating conditions of indoor and outdoor units, adjust the capacity output of outdoor units, optimize indoor airflow organization, accurately control temperature fluctuations to $\pm 0.5^{\circ}\text{C}$, and bid farewell to sudden cold and heat.



► Humanization Design

VIP Function

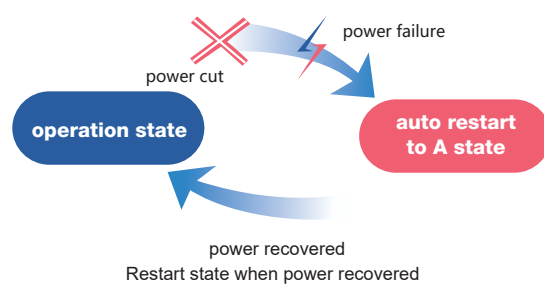
Special VIP control function, the VIP room will decide the whole system operation mode, prior to other mode or economic locking function, ensure the priority of the important room.



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

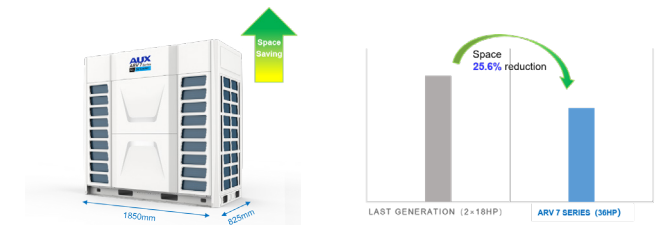
Special design economic locking function, through outdoor PCB switch setting. If work in economic lock, AC lowest work cooling temperature will keep in 26°C and highest heating temperature keep 20°C .



Easy Installation & Maintenance

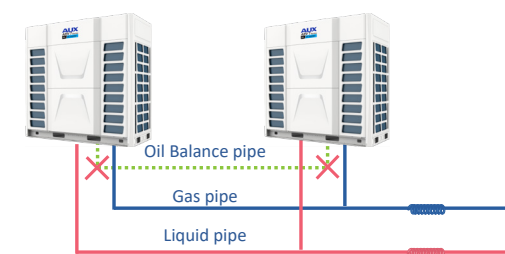
► Installation space saving

The ARV 7 Series has larger capacity and smaller size, the capacity of the single unit can reach 36HP. For many large projects, the benefits of space-saving are particularly obvious.



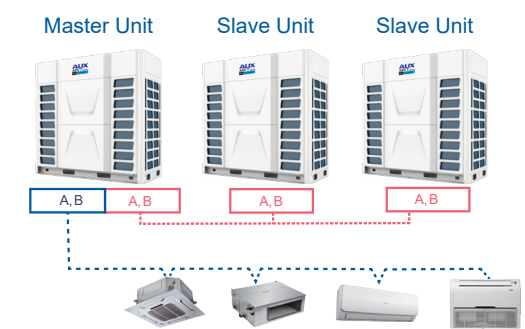
► No Oil Balance Pipe Between ODUS

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



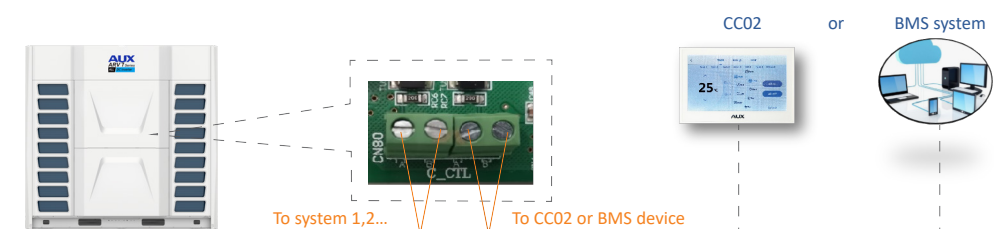
► Non-Polar Communication

Non-polar communication between IDUs, easy installation and commissioning.



► Centralized controller without Mini gateway

ARV 7 doesn't need Mini Gateway to connect CC02 or BMS system, making installation easier and more convenient.

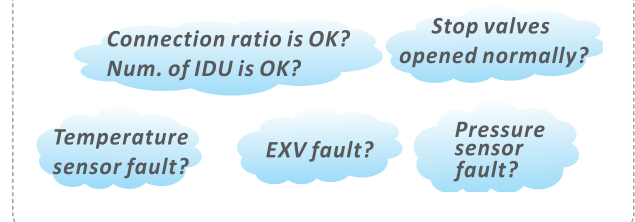


Same function: CC02(Max.64 systems&256 indoor units); MODBUS(Max.255 systems)

► 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 main PCB board of the master ODU, 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

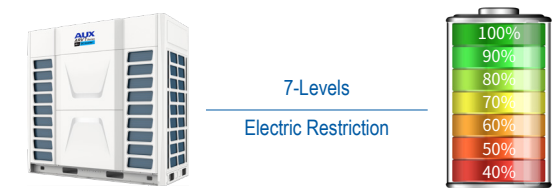
ARV- 7 series can be on the front, left side, right side to choose pipe-connecting direction freely, it's easy to install.



Reliable & Stable

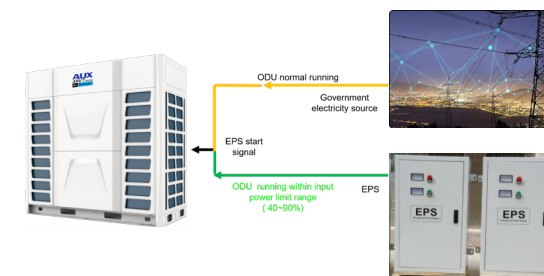
► Seven-levels of limit electricity usage

The unit has the function of energy saving and power limiting (40% - 100% output power limit). Users can choose the automatic energy saving mode. The system optimizes the output based on changes in ambient temperature, improving the comprehensive operating energy efficiency of the unit.



► EPS(emergency power source) control

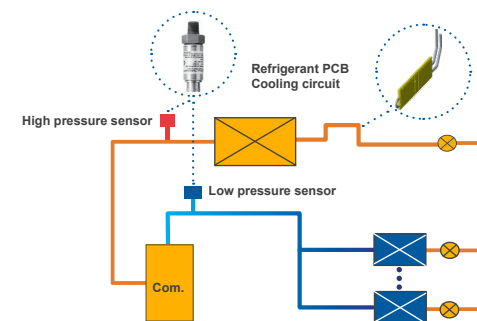
the ODU can be equipped with three-phase relays to effectively protect the PCB from voltage fluctuations.



If Government electricity abnormal, will start the EPS to supply electricity.

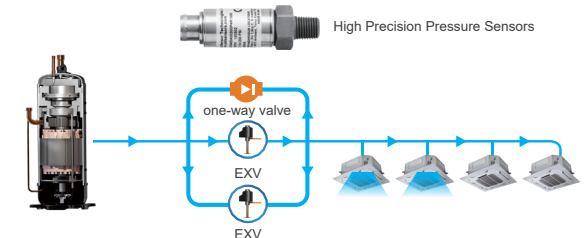
► Refrigerant PCB Cooling System

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

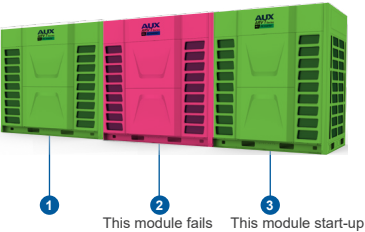
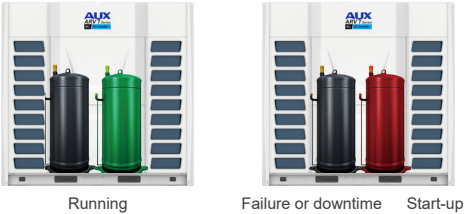
In one combination system, any module could run as the master unit according to the running time. Balance the life of the outdoor units in one system.



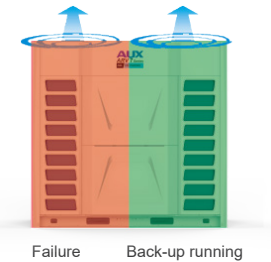
► Back-Up Operation Technology

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.



Fan motor backup.
Allowing time for maintenance or repair while comfort remains guaranteed.



► All-round Protection

- High pressure protection
- Low pressure protection
- High compression ratio protection
- Low compression ratio protection
- High discharge temp. protection
- Low discharge temp. protection



Ground protection

- Voltage protection
- Current protection
- Fan motor protection
- Inverter module protection
- Compressor overload protection
- Phase sequence protection

► Shell reinforcement design

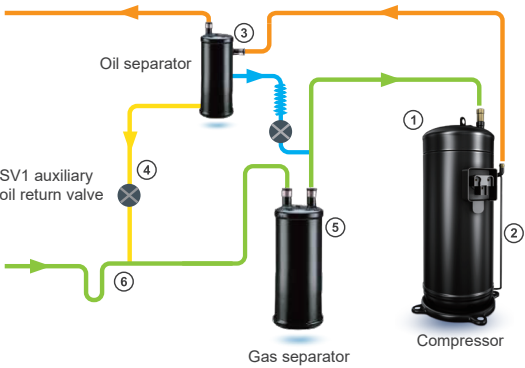
1. Integrated side plate, 4-sided bottom beam
2. The triangle is stable to prevent deformation of the side plate
3. Resistance to lateral shear force, preventing separation of chassis and crossbeam
4. Large fillet, reinforced support to prevent distortion and deformation

► Oil Return Control Technology

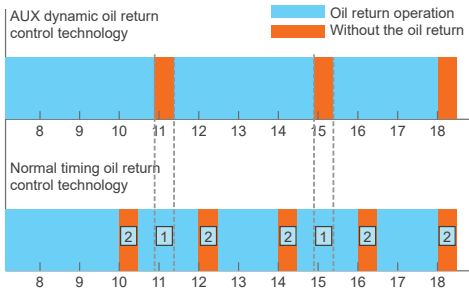
Dynamic Oil Return Control Technology
Monitor compressor running state and running time, computing system reasonable oil return time.

6-Step Oil Separating Technology
Completely solve the problem of oil, the system more stable and reliable

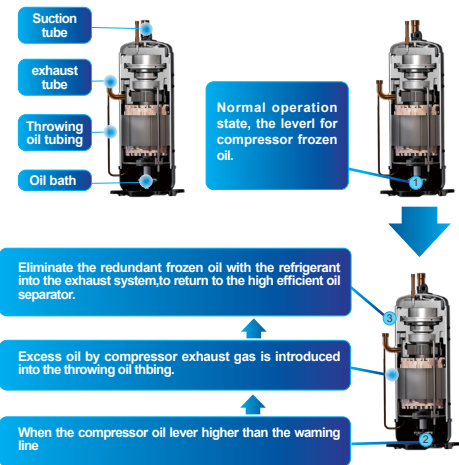
Compressor Throwing Oil Technology
When the compressor oil level higher than the warning line, system through tubing eliminate redundant frozen oil, keep the oil balance between compressor.



- ① 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

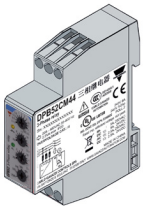


- 1 Need oil return but there was no oil return operation, which can't guarantee the system stability and reliability.
- 2 Without oil return operation is to carry on the oil return operation, which cause unnecessary waste.



► Three-phase relay

the ODU can be equipped with three-phase relays to effectively protect the PCB from voltage fluctuations.



► Complete Solutions

Provide diversified solutions, including VRF selection software, BIM models, and CFD simulations.

ARV 7 Series



Flexible Outdoor Unit Combination															
HP	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36
38				★					★						
40				★						★					
42					★					★					
44						★				★					
46							★			★					
48								★		★					
50									★	★					
52										★★					
54						★									★
56							★								★
58								★							★
60									★						★
62										★					★
64											★				★
66												★			★
68													★		★
70														★	★
72															★★
74				★					★						★
76				★						★					★
78					★					★					★
80						★				★					★
82							★			★					★
84								★		★					★
86									★	★					★
88										★★					★
90						★									★★

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

ARV 7 Series



Flexible Outdoor Unit Combination															
HP	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36
92							★								★★
94								★							★★
96									★						★★
98										★					★★
100											★				★★
102												★			★★
104													★		★★
106														★	★★
108															★★★
110										★★★★			★		
112										★★	★			★	
114										★★		★		★	
116										★★				★★	
118										★	★			★★	
120										★		★		★★	
122										★				★★★★	
124											★			★★★★	
126												★		★★★★	
128														★★★★★	
130								★							★★★★
132									★						★★★★
134										★					★★★★
136											★				★★★★
138												★			★★★★
140													★		★★★★
142														★	★★★★
144															★★★★★

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

ARV 7 Series

ARV 7 Series 380~415V-50/60Hz

HP			8	10	12	14
Model			ARV-H250/SR1MV	ARV-H280/SR1MV	ARV-H330/SR1MV	ARV-H400/SR1MV
capacity	Cooling	kW	25.2	28	33.5	40
	Heating	kW	25.2	28.0	33.5	40.0
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 Input	kW	5.31	6.11	8.48	9.90
	EER	W/W	4.75	4.58	3.95	4.04
	Heating Input	kW	4.60	5.23	6.38	8.25
	COP	W/W	5.48	5.35	5.25	4.85
Performance	Air Flow Volume	m3/h	12000	12000	12000	14000
	Noise Level	dB(A)	≤58	≤58	≤58	≤61
Compressor	Type		DC Inverter	DC Inverter	DC Inverter	DC Inverter
	Quantity		1	1	1	1
Refrigerant type	Type		R410a	R410a	R410a	R410a
Fan Motor	Type		DC motor	DC motor	DC motor	DC motor
	Fan Quantity		1	1	1	2
Connection Ration		%	50~200	50~200	50~200	50~200
Dimension(W×D×H)	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
Refrigerant Piping	Liquid Side	mm	φ12.7	φ12.7	φ12.7	φ15.88
	Gas Side	mm	φ22.2	φ22.2	φ22.2	φ28.6
	Max. Length	m	1000	1000	1000	1000
	Max. Height	m	110/130	110/130	110/130	110/130
Ambient Temp (Cooling/Heating)		°C	-15~55/-30~24	-15~55/-30~24	-15~55/-30~24	-15~55/-30~24
Stuffing Quantity	20/40/40H	Unit	14/28/28	14/28/28	14/28/28	11/22/22

ARV7 Series 380~415V -50/60Hz

HP			16	18	20	22
Model			ARV-H450/SR1MV	ARV-H500/SR1MV	ARV-H560/SR1MV	ARV-H610/SR1MV
capacity	Cooling	kW	45	50.4	56	61.5
	Heating	kW	45.0	50.4	56.0	61.5
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 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
Performance	Air Flow Volume	m3/h	14000	16000	16000	16000
	Noise Level	dB(A)	≤61	≤63	≤63	≤63
Compressor	Type		DC Inverter	DC Inverter	DC Inverter	DC Inverter
	Quantity		1	2	2	2
Refrigerant type	Type		R410a	R410a	R410a	R410a
Fan Motor	Type		DC motor	DC motor	DC motor	DC motor
	Fan Quantity		2	2	2	2
Connection Ration		%	50~200	50~200	50~200	50~200
Dimension(W×D×H)	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
Refrigerant Piping	Liquid Side	mm	φ15.88	φ15.88	φ15.88	φ15.88
	Gas Side	mm	φ28.6	φ28.6	φ28.6	φ28.6
	Max. Length	m	1000	1000	1000	1000
	Max. Height	m	110/130	110/130	110/130	110/130
Ambient Temp (Cooling/Heating)		°C	-15~55/-30~24	-15~55/-30~24	-15~55/-30~24	-15~55/-30~24
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.

ARV7 Series 380~415V -50/60Hz

HP			24	26	28	30
Model			ARV-H680/SR1MV	ARV-H730/SR1MV	ARV-H785/SR1MV	ARV-H850/SR1MV
capacity	Cooling	kW	68.0	73.0	78.5	85.0
	Heating	kW	75.0	81.5	87.5	95.0
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 Input	kW	18.52	20.7	23.55	26.48
	EER	W/W	3.67	3.53	3.33	3.21
	Heating Input	kW	18.90	20.69	23.90	27.05
	COP	W/W	3.97	3.94	3.66	3.51
Performance	Air Flow Volume	m3/h	29000	29000	29000	30000
	Noise Level	dB(A)	≤62	≤62	≤63	≤64
Compressor	Type		DC Inverter	DC Inverter	DC Inverter	DC Inverter
	Quantity		2	2	2	2
Refrigerant type	Type		R410a	R410a	R410a	R410a
Fan Motor	Type		DC motor	DC motor	DC motor	DC motor
	Fan Quantity		2	2	2	2
Connection Ration		%	50~200	50~200	50~200	50~200
Dimension(W×D×H)	Net	mm	1850×825×1760	1850×825×1760	1850×825×1760	1850×825×1760
	Packing	mm	1925×930×1930	1925×930×1930	1925×930×1930	1925×930×1930
Weight	Net	kg	388	388	388	422
	Gross	kg	411	411	411	445
Refrigerant Piping	Liquid Side	mm	φ19.05	φ19.05	φ22.2	φ22.2
	Gas Side	mm	φ35.0	φ35.0	φ35.0	φ35.0
	Max. Length	m	1000	1000	1000	1000
	Max. Height	m	110/130	110/130	110/130	110/130
Ambient Temp (Cooling/Heating)		°C	-15~55/-30~24	-15~55/-30~24	-15~55/-30~24	-15~55/-30~24
Stuffing Quantity	20/40/40H	Unit	6/12/12	6/12/12	6/12/12	6/12/12

ARV7 Series 380~415V -50/60Hz

HP			32	34	36
Model			ARV-H900/SR1MV	ARV-H950/SR1MV	ARV-H1010SR1MV
capacity	Cooling	kW	90.0	95.2	101.0
	Heating	kW	100.0	106.0	112.0
Electric Data	Power Supply	V~,Hz,Ph	380~415,50/60,3	380~415,50/60,3	380~415,50/60,3
	Cooling Input	kW	29.42	31.64	33.92
	EER	W/W	3.06	3.01	2.98
	Heating Input	kW	29.32	31.65	33.84
	COP	W/W	3.41	3.35	3.31
Performance	Air Flow Volume	m3/h	30000	30000	30000
	Noise Level	dB(A)	≤64	≤66	≤66
Compressor	Type		DC Inverter	DC Inverter	DC Inverter
	Quantity		2	2	2
Refrigerant type	Type		R410a	R410a	R410a
Fan Motor	Type		DC motor	DC motor	DC motor
	Fan Quantity		2	2	2
Connection Ration		%	50~200	50~200	50~200
Dimension(W×D×H)	Net	mm	1850×825×1760	1850×825×1760	1850×825×1760
	Packing	mm	1925×930×1930	1925×930×1930	1925×930×1930
Weight	Net	kg	422	430	430
	Gross	kg	445	453	453
Refrigerant Piping	Liquid Side	mm	φ22.2	φ22.2	φ22.2
	Gas Side	mm	φ35.0	φ35.0	φ35.0
	Max. Length	m	1000	1000	1000
	Max. Height	m	110/130	110/130	110/130
Ambient Temp (Cooling/Heating)		°C	-15~55/-30~24	-15~55/-30~24	-15~55/-30~24
Stuffing Quantity	20/40/40H	Unit	6/12/12	6/12/12	6/12/12

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.

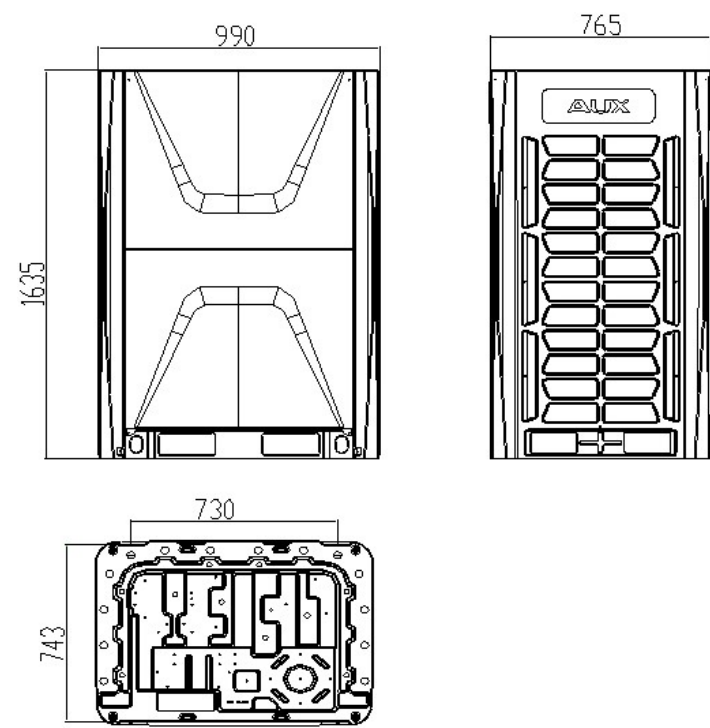
6.The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.

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.

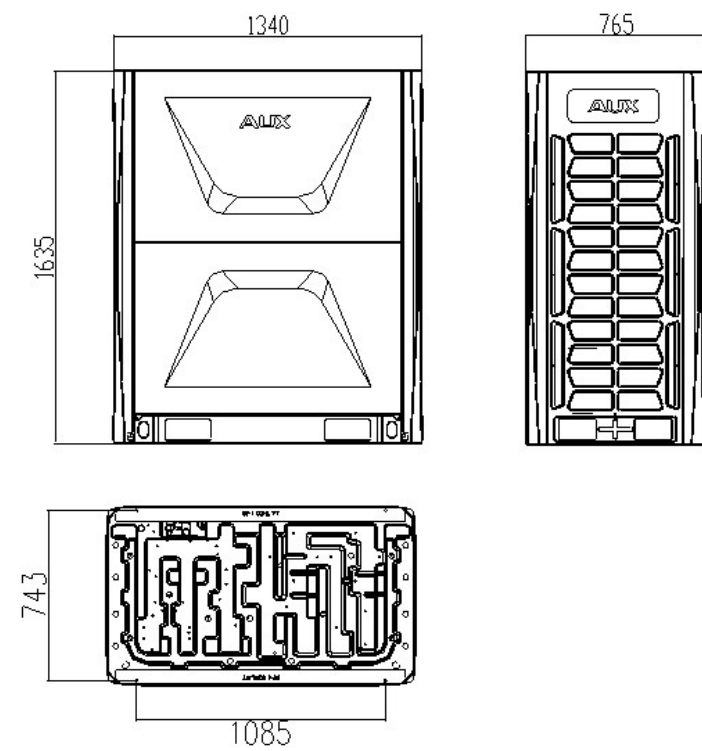
8.The above combined types are factory-recommended type. The combined type also can be combined at will.

Dimension

ARV-H250/SR1MV ARV-H280/SR1MV ARV-H330/SR1MV (Unit: mm)

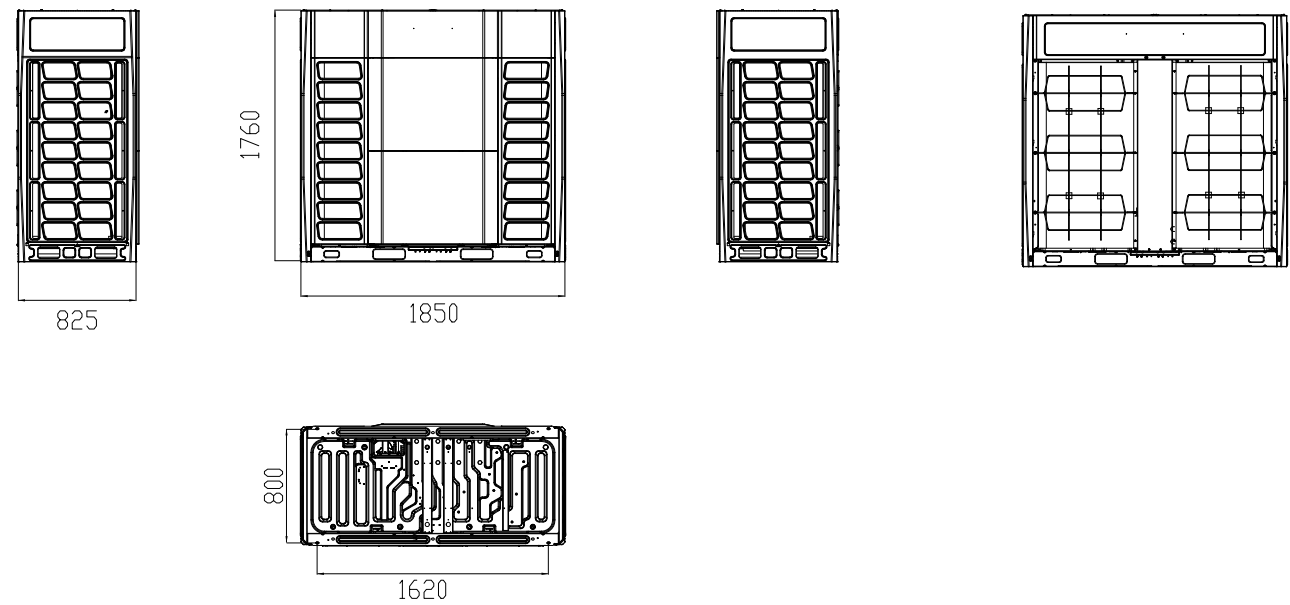


ARV-H400/SR1MV ARV-H450/SR1MV
ARV-H500/SR1MV ARV-H560/SR1MV ARV-H610/SR1MV (Unit: mm)



Dimension

ARV-H680/SR1MV ARV-H730/SR1MV ARV-H785/SR1MV ARV-H850/SR1MV
ARV-H900/SR1MV ARV-H950/SR1MV ARV-H1010/SR1MV





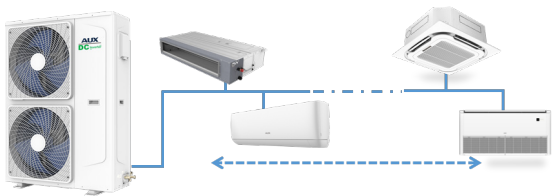
Feature

► 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.

► Diversification of installation

A various of indoor units can be connected together, multi indoor units can be freely combined together in one systems . So Mini VRF is the best choose for some place which had multi rooms.

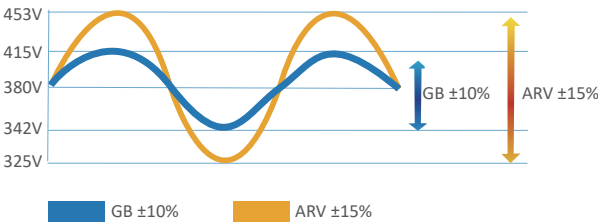


► Long piping length

MAX piping lenth can reach 250m
MAX height between ODU and IDU can reach 50m

► Wide Voltage Design

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



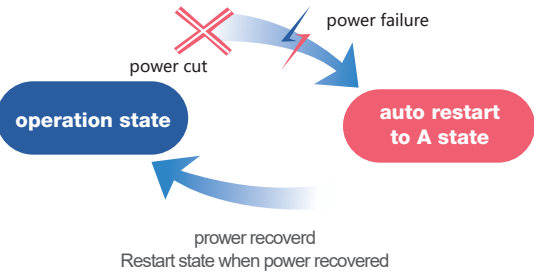
► 26°C economic locking

All indoor units will run as energy saving mode state.



► 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.

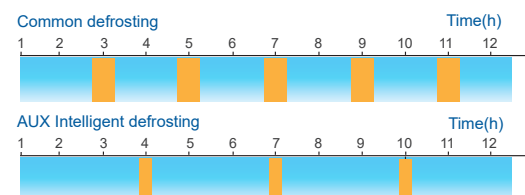


ARV Mini Series
-All DC Inverter



► Intelligent Defrosting

Intelligent defrosting technique extends the heating operation and decreases the frequency of defrosting. Result in stable room temperature, offer comfort life.



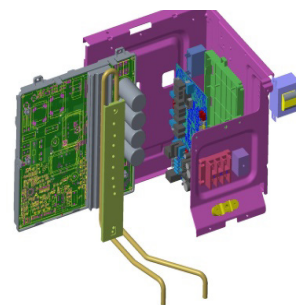
► NEW type Intergraded PCB design(2→1)

The main control, drive and filter boards are all centralized in one control board, making maintenance more convenient.



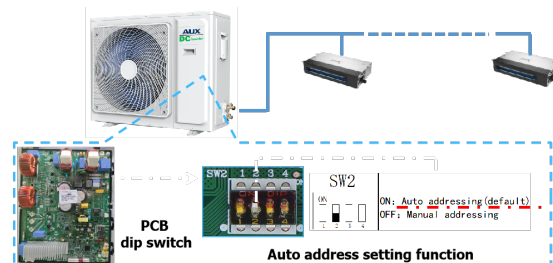
► Refrigerant PCB Cooling System

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



► Automatic address setting

Indoor units IP address can be auto setting during commissioning.



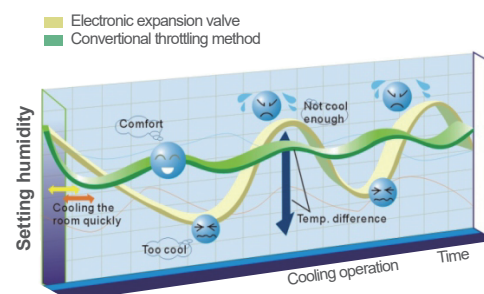
► Silent mode

About 3 dB reduce than normal mode, Little influence with your neighbors.



► 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.



► Fast Warm Up And Cool Down

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

Outdoor Units

ARV Mini Series

ARV MINI 50/60Hz Sngle-Phase(DC)

Model	Outdoor		ARV-H80/NR1A	ARV-H100/NR1A	ARV-H120/NR1A	ARV-H140/NR1A	ARV-H160/NR1A
Capacity	Cooling	kW	8.0	10.0	12.1	14.0	15.5
	Heating	kW	9.00	12.00	14.00	16.00	18.00
Electric Data	Power Supply	V~,Hz,Ph	220~240,1N~50/60	220~240,1N~50/60	220~240,1N~50/60	220~240,1N~50/60	220~240,1N~50/60
	Cooling Power Input	kW	2.00	2.55	3.20	3.75	4.80
	Heating Power Input	kW	1.95	2.97	3.45	3.85	4.60
	Cooling Current	A	9.10	11.60	14.50	17.00	21.80
	Heating Current	A	8.90	13.50	15.70	17.50	20.90
	EER		4.00	3.92	3.78	3.73	3.23
	COP		4.62	4.04	4.06	4.16	3.91
	SEER		6.00	6.05	6.82	6.85	6.80
	SCOP		3.80	3.80	3.75	4.84	4.30
	Air Flow Volume	m³/h	4100	4100	4890	5100	5100
Performance	Noise Level	dB(A)	54	54	56	56	56
	Level difference between IDU and ODU	m	20	20	20	30	30
Piping Limite	Level difference between IDU and IDU	m	8	8	8	8	8
	Between the first brance and the Farthest IDU	m	20	20	20	20	20
	Total Pipe length	m	40	40	40	100	100
	Connection Ratio	%	50~130	50~130	50~130	50~130	50~130
Dimension (WxDxH)	Net	mm	970×370×800	970×370×800	970×370×800	990×420×860	990×420×860
	Packing	mm	1105×495×890	1105×495×890	1105×495×890	1100×545×980	1100×545×980
Weight	Net	kg	60	60	70	80	80
	Gross	kg	64.5	64.5	75	91	91
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)
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	44/92/138	44/92/138	44/92/138	40/84/84	40/84/84

ARV MINI 50/60Hz Three-Phase(DC)

Model	Outdoor		ARV-H280/NR1A	ARV-H335/NR1A
Capacity	Cooling	kW	28.5	33.5
	Heating	kW	31.5	37.50
Electric Data	Power Supply	V~,Hz,Ph	380~415,3N~50/60	380~415,3N~50/60
	Cooling Power Input	kW	7.50	7.95
	Heating Power Input	kW	6.70	7.85
	Cooling Current	A	12.60	13.40
	Heating Current	A	11.40	13.30
	EER		3.80	4.21
	COP		4.70	4.78
	SEER		/	/
	SCOP		/	/
	Air Flow Volume	m³/h	11000	15300
Performance	Noise Level	dB(A)	43-57	43-58
	Level difference between IDU and ODU	m	50	50
Piping Limite	Level difference between IDU and IDU	m	15	15
	Between the first brance and the Farthest IDU	m	40	40
	Total Pipe length	m	560	560
	Connection Ratio	%	50~130	50~130
Dimension (WxDxH)	Net	mm	1120×400×1540	1120×400×1540
	Packing	mm	1270×560×1710	1270×560×1710
Weight	Net	kg	145	152
	Gross	kg	155	162
Refrigerant Type			R410A	R410A
Pipe Diameter	Liquid Side	mm(inch)	12.7(1/2)	12.7(1/2)
	Gas Side	mm(inch)	22.22(7/8)	22.22(7/8)
Operation Range	Cooling	°C	-15~55	-15~55
	Heating	°C	-20~24	-20~24
Stuffing Quantity	20/40/40H	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 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 50/60Hz Three-Phase(DC)

Model	Outdoor		ARV-H120/ SR1DCS7	ARV-H140/ SR1DCS7	ARV-H160/ SR1DCS7	ARV-H220/ SR1DCS7	ARV-H252/NR1A	ARV-H260/ SR1DCS7
Capacity	Cooling	kW	12.3	14.0	16.0	22.4	25.2	26.0
	Heating	kW	14.0	16.0	18.0	24.5	27.00	28.5
Electric Data	Power Supply	V~,Hz,Ph	380~415,3N~50/60	380~415,3N~50/60	380~415,3N~50/60	380~415,3N~50/60	380~415,3N~50/60	380~415,3N~50/60
	Cooling Power Input	kW	3.25	4.11	4.66	6.80	5.75	7.60
	Heating Power Input	kW	3.41	4.10	5.05	5.90	5.65	6.80
	Cooling Current	A	5.09	6.44	7.30	11.10	9.37	12.40
	Heating Current	A	5.34	6.42	7.91	9.60	9.50	11.10
	EER		3.78	3.41	3.43	3.29	4.38	3.42
	COP		4.11	3.90	3.56	4.15	4.78	4.19
	SEER		6.10	6.10	6.10	5.90	/	5.50
	SCOP		4.10	4.00	4.00	3.80	/	3.75
	Air Flow Volume	m³/h	7200	7200	7200	11000	11000	11000
Performance	Noise Level	dB(A)	56	57	57	62	43-57	62
	Level difference between IDU and ODU	m	50	50	50	50	50	50
Piping Limite	Level difference between IDU and IDU	m	15	15	15	15	15	15
	Between the first brance and the Farthest IDU	m	40	40	40	40	40	40
	Total Pipe length	m	150	150	150	250	560	250
Connection Ratio		%	50~130	50~130	50~130	50~130	50~130	50~130
Dimension (WxDxH)	Net	mm	940×340×1320	940×340×1320	940×340×1320	1120×400×1540	1120×400×1540	1120×400×1540
	Packing	mm	1080×430×1440	1080×430×1440	1080×430×1440	1270×560×1710	1270×560×1710	1270×560×1710
Weight	Net	kg	101	103	103	160	145	160
	Gross	kg	111	113	113	175	155	175
Refrigerant Type			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)	12.7(1/2)	9.52(3/8)
	Gas Side	mm(inch)	19.05(3/4)	19.05(3/4)	19.05(3/4)	22.22(7/8)	22.22(7/8)	22.22(7/8)
Operation Range	Cooling	°C	-15~49	-15~49	-15~49	-15~49	-15~55	-15~49
	Heating	°C	-15~27	-15~27	-15~27	-15~27	-20~24	-15~27
Stuffing Quantity	20/40/40H	unit	27/55/55	27/55/55	27/55/55	17/37/37	17/37/37	17/37/37

ARV MINI 50Hz Three-Phase(AC)

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		3.67	3.61
Performance	Air Flow Volume	m³/h	15300	15300
	Noise Level	dB(A)	60	60
Piping Limite	Level difference between IDU and ODU	m	50	50
	Level difference between IDU and IDU	m	15	15
	Between the first brance and the Farthest IDU	m	40	40
	Total Pipe length	m	250	250
Connection Ratio		%	50~130	50~130
Dimension (WxDxH)	Net	mm	1120×400×1540	1120×400×1540
	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	-5~49	-5~49
	Heating	°C	-15~24	-15~24
Stuffing Quantity	20/40/40H	unit	17/37/37	17/37/37

MODULAR ARV MINI

► Large Capacity&Free Combination

3 basic models from 8HP to 12HP.

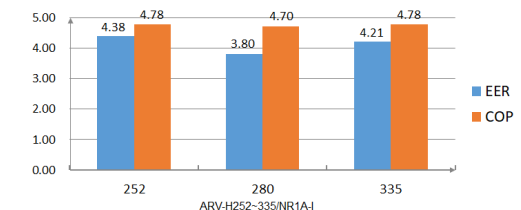
Maximum combination: 36HP(100.5kW), top level in industry.

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



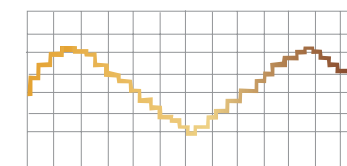
► High EER And COP

MODULAR ARV MINI achieves the industry's top class energy efficiency in cooling and heating by utilizing all DC inverter compressors.

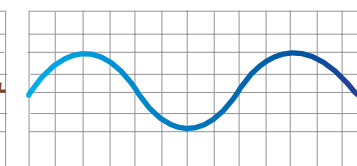


► 180° Sine Wave Control

DC inverter compressor users 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.



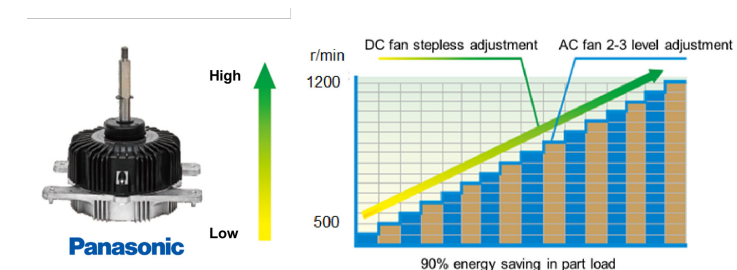
Traditional Control



180° Sine Wave DC Control

► High efficiency DC 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.



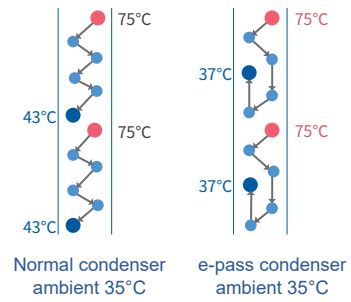
► Module Alternate Operation

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.

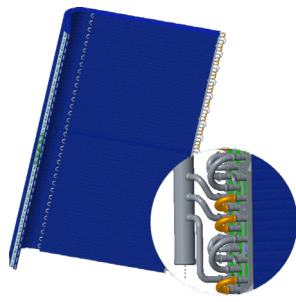


► 2-stage Sub-cooling Technology

Adopting E-pass circuit Reduce resistance and improve heat transfer efficiency.



Subcooling circuit of the condenser to get 6-10°C sub-cooling. When the ambient temperature is 35°C, the outlet temperature can be reduced to 37.5°C (43°C for ordinary ones)



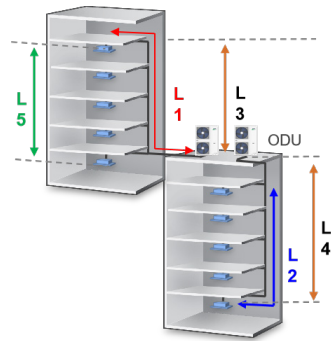
► Seven-levels of limit electricity usage

The unit has the function of energy saving and power limiting (40% - 100% output power limit). Users can choose the automatic energy saving mode. The system optimizes the output based on changes in ambient temperature, improving the comprehensive operating energy efficiency of the unit.



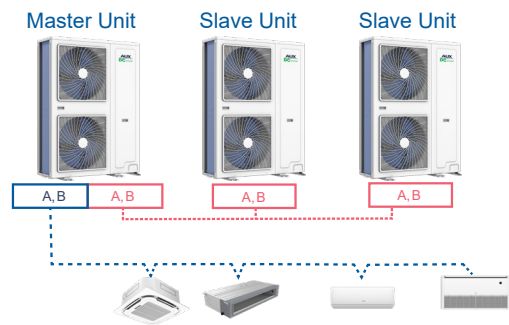
► Long Piping Length

- Max. Total piping length — 560m
- Max. piping length between ODU and farthest IDU — 150/175m
- Max. piping length from 1st indoor branch to the farthest indoor unit — 40m
- Max. Level difference between indoor units — 30m
- Max. Level difference between ODU and IDU units — 40m/50m



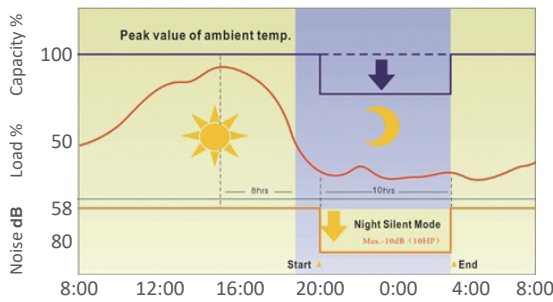
► Non-Polar Communication

Non-polar communication between IDUs ,easy installation and commissioning.



► 12 levels silent modes

"6-levels night silent modes.
6-levels daytime silent modes".



MODULAR ARV MINI 50/60Hz Three-Phase

HP			8	10	12
Model			ARV-H252/NR1A	ARV-H280/NR1A	ARV-H335/NR1A
Capacity	Cooling	kW	25.2	28.5	33.5
	Heating	kW	27.00	31.5	37.50
Electric Data	Power Supply	V~,Hz,Ph	380~415,50/60,3	380~415,50/60,3	380~415,50/60,3
	Cooling Input	kW	5.75	7.50	7.95
	EER	W/W	4.38	3.80	4.21
	Heating Input	kW	5.65	6.70	7.85
Performance	COP	W/W	4.78	4.70	4.78
	Air Flow Volume	m3/h	11000	11000	15300
	Noise Level	dB(A)	≤57	≤57	≤58
Compressor	Type		DC Inverter	DC Inverter	DC Inverter
	Quantity		1	1	1
Refrigerant type	Type		R410A	R410A	R410A
	Quantity		2	2	2
Fan Motor	Type		DC motor	DC motor	DC motor
	Quantity		2	2	2
Connection Ration			%	50~130	50~130
"Dimension (W×D×H)"	Net	mm	1120×400×1540	1120×400×1540	1120×400×1540
	Packing	mm	1270×560×1710	1270×560×1710	1270×560×1710
Weight	Net	kg	145	145	152
	Gross	kg	155	155	162
Refrigerant Piping	Liquid Side	mm	12.7(1/2)	12.7(1/3)	12.7(1/4)
	Gas Side	mm	22.22(7/8)	22.22(7/9)	22.22(7/10)
	Max. Length	m	560	560	560
	Max. Height	m	50	50	50
Ambient Temp (Cooling/Heating)			°C	-15~55/-20~24	-15~55/-20~24
Stuffing Quantity			Unit	17/37/37	17/37/37

MODULAR ARV MINI 50/60Hz Three-Phase

HP			16	18	20
Model			ARV-H504/NR1A	ARV-H532/NR1A	ARV-H560/NR1A
Combination			HP	8×2	8+10
Capacity	Cooling	kW	50.4	53.7	57.0
	Heating	kW	54.0	58.5	63.0
Electric Data	Power Supply	V~,Hz,Ph	380~415,50/60,3	380~415,50/60,3	380~415,50/60,3
	Cooling Input	kW	11.5	13.25	15
	EER	W/W	4.38	4.05	3.80
	Heating Input	kW	11.3	12.35	13.4
Performance	COP	W/W	4.78	4.74	4.70
	Air Flow Volume	m3/h	11000×2	11000×2	11000×2
	Noise Level	dB(A)	≤57	≤57	≤57
Compressor	Type		DC Inverter	DC Inverter	DC Inverter
	Quantity		2	2	2
Fan Motor	Type		DC motor	DC motor	DC motor
	Quantity		4	4	4
Connection Ration			%	50~130	50~130
"Dimension (W×D×H)"	Net	mm	(1120×400×1540)×2	(1120×400×1540)×2	(1120×400×1540)×2
	Packing	mm	(1270×560×1710)×2	(1270×560×1710)×2	(1270×560×1710)×2
Weight	Net	kg	145×2	145×2	145×2
	Gross	kg	155×2	155×2	155×2
Refrigerant Piping	Max. Length	m	560	560	560
	Max. Height	m	50	50	50
Ambient Temp (Cooling/Heating)			°C	-15~55/-20~24	-15~55/-20~24

MODULAR ARV MINI 50/60Hz Three-Phase

HP			22	24	26	28
Model			ARV-H615/NR1A	ARV-H670/NR1A	ARV-H784/NR1A	ARV-H812/NR1A
Combination			HP	10+12	12×2	8×2+10
Capacity	Cooling	kW	62.0	67.0	78.9	82.2
	Heating	kW	69.0	75.0	85.5	90.0
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 Input	kW	15.45	15.9	19	20.75
	EER	W/W	4.01	4.21	4.15	3.96
	Heating Input	kW	14.55	15.7	18	19.05
	COP	W/W	4.74	4.78	4.75	4.72
Performance	Air Flow Volume	m3/h	11000+15300	15300×2	11000×3	11000×3
	Noise Level	dB(A)	≤58	≤58	≤57	≤57
Compressor	Type		DC Inverter	DC Inverter	DC Inverter	DC Inverter
	Quantity		2	2	3	3
Fan Motor	Type		DC motor	DC motor	DC motor	DC motor
	Quantity		4	4	6	6
Connection Ration			%	50~130	50~130	50~130
"Dimension (W×D×H)"	Net	mm	(1120×400×1540)×2	(1120×400×1540)×2	(1120×400×1540)×3	(1120×400×1540)×3
	Packing	mm	(1270×560×1710)×2	(1270×560×1710)×2	(1270×560×1710)×3	(1270×560×1710)×3
Weight	Net	kg	145+152	152×2	145×3	145×3
	Gross	kg	155+162	162×2	155×3	155×3
Refrigerant Piping	Max. Length	m	560	560	560	560
	Max. Height	m	50	50	50	50
Ambient Temp (Cooling/Heating)			°C	-15~55/-20~24	-15~55/-20~24	-15~55/-20~24

MODULAR ARV MINI 50/60Hz Three-Phase

HP			30	32	34	36
Model			ARV-H840/NR1A	ARV-H895/NR1A	ARV-H950/NR1A	ARV-H1005/NR1A
Combination			HP	10×3	10×2+12	10+12×2
Capacity	Cooling	kW	85.5	90.5	95.5	100.5
	Heating	kW	94.5	100.5	106.5	112.5
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 Input	kW	22.5	22.95	23.4	23.85
	EER	W/W	3.80	3.94	4.08	4.21
	Heating Input	kW	20.1	21.25	22.4	23.55
	COP	W/W	4.70	4.73	4.75	4.78
Performance	Air Flow Volume	m3/h	11000×3	11000×2+15300	11000+15300×2	15300×3
	Noise Level	dB(A)	≤57	≤58	≤58	
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		6	6	6	6
Connection Ration			%	50~130	50~130	50~130
"Dimension (W×D×H)"	Net	mm	(1120×400×1540)×3	(1120×400×1540)×3	(1120×400×1540)×3	(1120×400×1540)×3
	Packing	mm	(1270×560×1710)×3	(1270×560×1710)×3	(1270×560×1710)×3	(1270×560×1710)×3
Weight	Net	kg	145×3	145×2+152	145+152×2	152×3
	Gross	kg	155×3	155×2+162	155+162×2	162×3
Refrigerant Piping	Max. Length	m	560	560	560	560
	Max. Height	m	50	50	50	50
Ambient Temp (Cooling/Heating)			°C	-15~55/-20~24	-15~55/-20~24	-15~55/-20~24

Indoor Units



- Compact Cassette
- Cassette
- Wall-mounted
- Slim Duct
- Mid ESP Duct
- High ESP Duct
- Fresh Air Processing Unit
- Ceiling&Floor



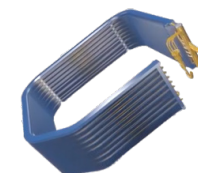
CASSETTE Y



Feature

► 5-fold exchanger

The evaporator adopts a 5-fold evaporator, which has a larger heat exchange area and a 12% increase in heat exchange efficiency compared to traditional 4-fold evaporators



► Round-way air supply

Round flow panel make the air diffuse from 360°direction, and the temperature distribution is more uniform.



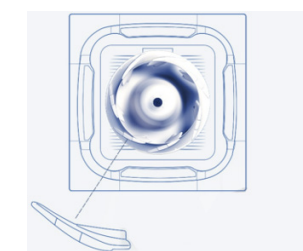
► long distance air supply

The air supply distance reaches 4m, meeting the air supply requirements for tall spaces.



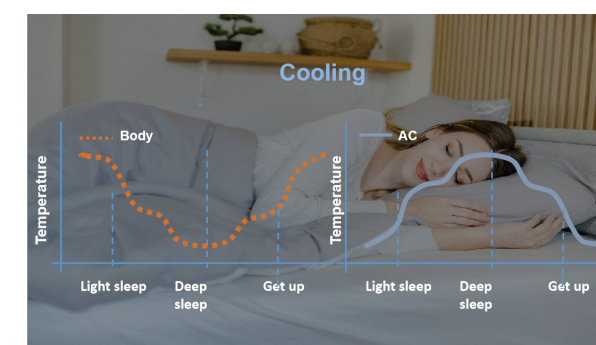
► Big air volume

Adopting a large-diameter spiral wind wheel for larger air volume and lower noise.



► Sleeping mode

Turn on sleep mode at night, no need to worry about being too cold or too hot, and sleep comfortably all night long



Feature

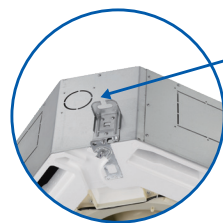
► Screen display function

When the unit is running, the light panel icon can be set to display or not to display to meet the needs of different customers.



► Fresh air

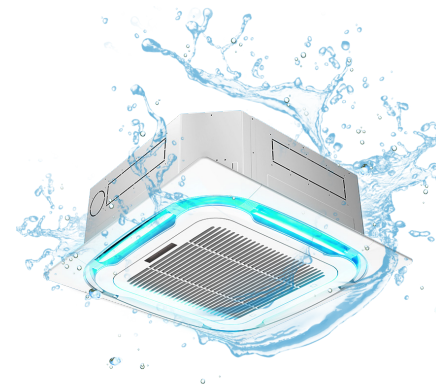
And long-term use will not cause dizziness, healthy and comfortable



Fresh air intake

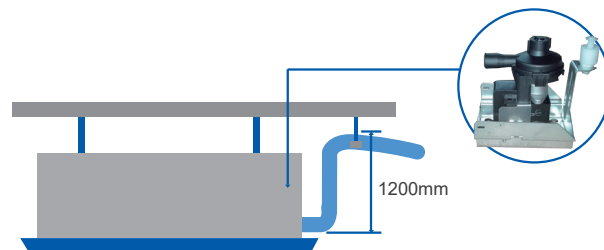
► Auto clean

Automatic cleaning of evaporator, cleaning of dust and dirt, healthy and comfortable



► Built-in Drain Pump

Built in drainage pump with a lift of up to 1200mm, suitable for more installation occasions and more efficient drainage.



► Anti-leakage water pan

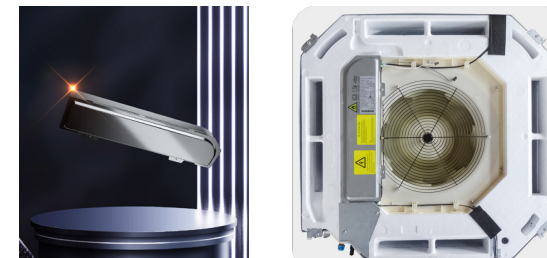
Using 1.5mm thick plastic drain pan, with high waterproof performance and effective prevention of water seepage



Feature

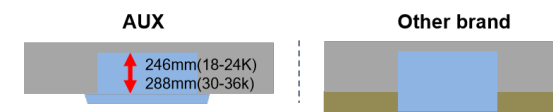
► Fire-proof covercover

The fireproof electric control box made of metal materials has higher safety, ensuring the safe operation of the unit.



► Compact body size

The thickness of the body is 246mm, occupying less ceiling space and making installation more convenient.



► Wifi room card

Optional WiFi, room card, and centralized control functions to meet intelligent needs



► Reliable control board

Hot melt adhesive is applied around the electronic components to keep the components stable.



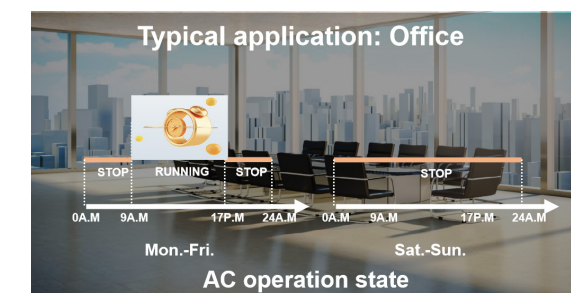
► Removable grille

No need for tools, just press lightly to open the grille, making installation more convenient.



► Weekly timer

Set the operating time of the unit in one week, without having to manually turn it on every time, and no need to worry about forget to turn off the unit after getting off work.



Wall-mounted

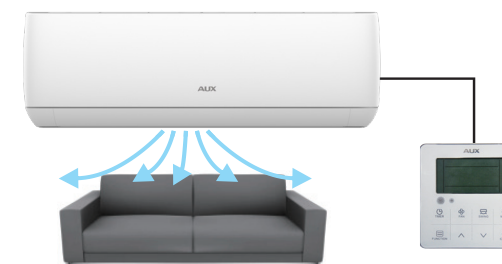
Feature

► 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.

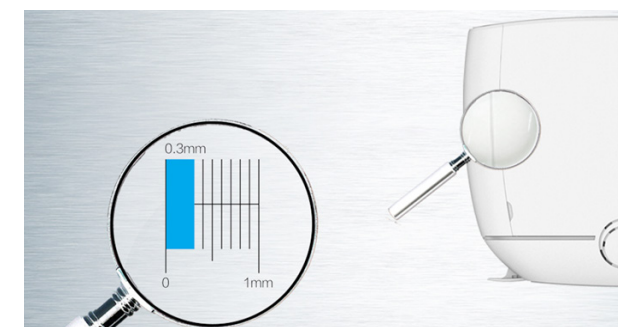


► Convenient Installation

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

► Superb craftsmanship

0.3mm seam, appearance integration.



FEATURES

■ optional ■ standard

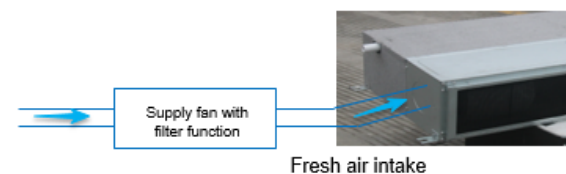


Low ESP Duct

Feature

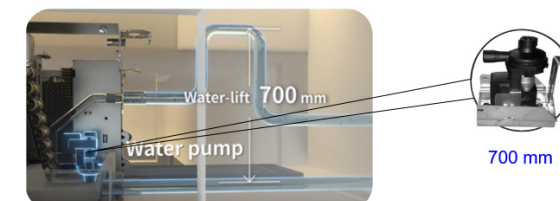
► Fresh air inlet

Fresh air inlet design, fresh air can be introduced to ensure fresh air in the room.



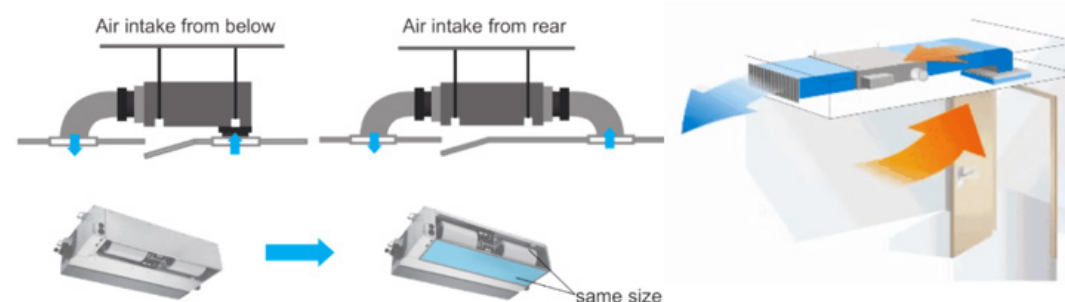
► Silent water pump

Select silent water pump to ensure different customer installation requirements.



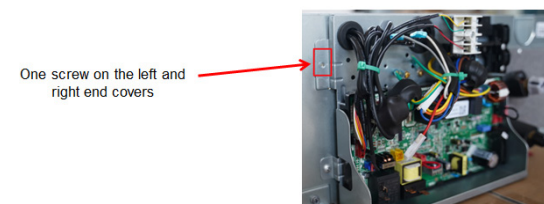
► Two return air modes are selected

Two return air modes are selected (back return air and down return air), Easy to change.



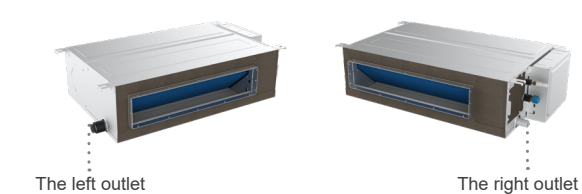
► Electronic control is easy to maintain

Quickly remove 1 screw from the left and right end cover. Change the direction of output line, maintenance without shielding, increase the maintenance space.



► Double drain holes

Double drainage design on the left and right side of the water plate, flexible to adapt to the installation site.



MID ESP DUCT

Feature

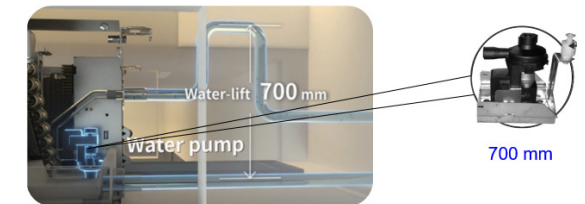
► Fresh air inlet

Fresh air inlet design, fresh air can be introduced to ensure fresh air in the room.



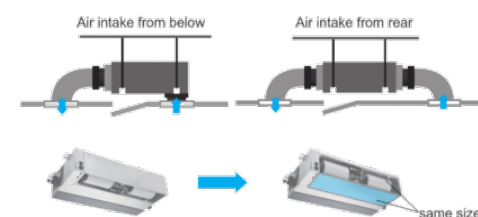
► Silent water pump

Select silent water pump to ensure different customer installation requirements.



► Two return air modes are selected

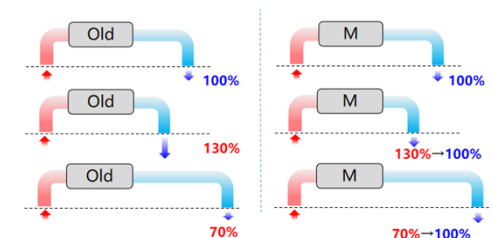
Two return air modes are selected (back return air and down return air), Easy to change.



► Constant Air Flow Volume

(only certain model support)

Under different ESP, the product supply Constant air flow volume for comfort.



► ESP meet kinds application

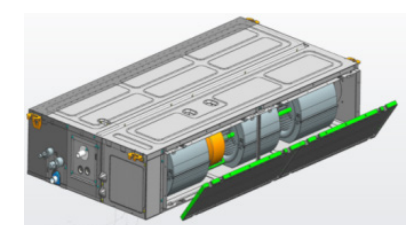
(Only DC models support)

Widest ESP range (0-150Pa) with possibility to change ESP by controller and meet different kinds application like apartment, villa...



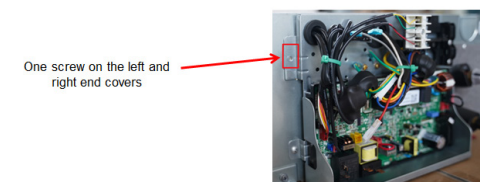
► W Type High efficiency filter screen

Easy disassembly (0 Screws)
Convenient to wash
High efficiency (W type)



► Electronic control is easy to maintain

Quickly remove 1 screw from the left and right end cover. Change the direction of output line, maintenance without shielding, increase the maintenance space.



► Double drain holes

Double drainage design on the left and right side of the water plate, flexible to adapt to the installation site.



HIGH ESP DUCT

Feature

► Changeable ESP

Max ESP can up to 250 Pa Wide changeable range (30-250 Pa) , suitable for kinds of application site.

► Multiple wind speed options (Only DC models support)

DC fan motor ,7 fan speed meet customer requirement.



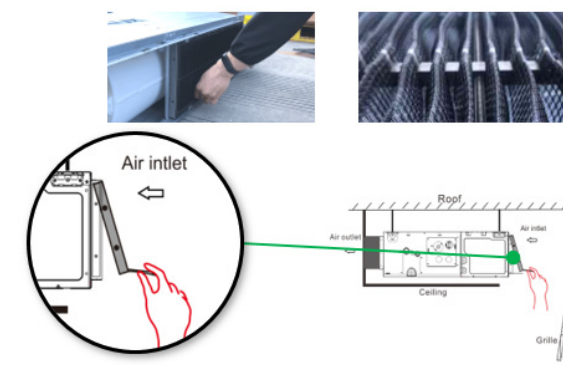
► Double drainage pan

Double drain tray design makes it easier to drain condensate



► Easy to remove air filter

New design (double drainage pan, fan assembly integration), Remove and repair from the bottom, high efficiency.



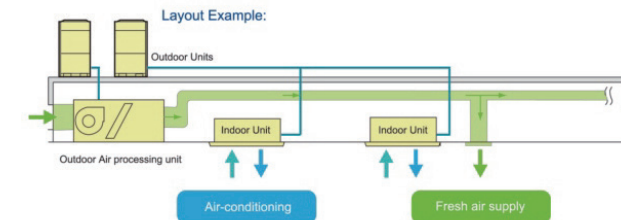
Fresh Air Processor

Feature



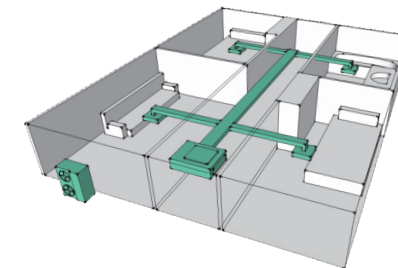
► Innovative Air Supply Technology For Excellent Room Temperature Control

Fresh air inlet design, fresh air can be introduced to ensure fresh air in the room.



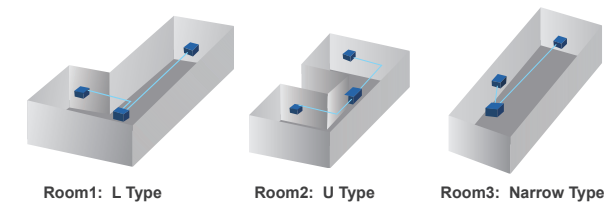
► Long Distance Air Supply

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.

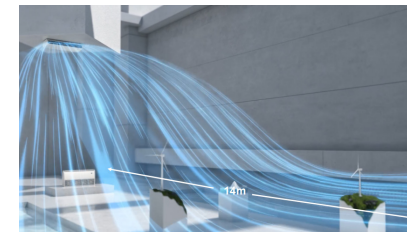


CEILING&FLOOR

Feature

► Long Air Supply Distance

Up to 14m, meet large room requirement



► Anti-condensation

Industry-leading anti-condensation insulation design of the air outlet



► Fresh air intake

Fresh air intake hole design can introduce fresh air to ensure high air quality in the room



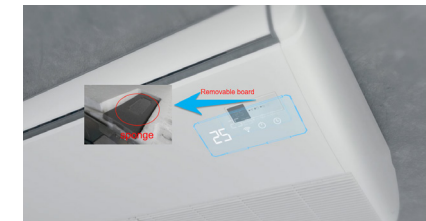
► Easy drainage

Left and right water outlet design of water connection plate, flexible for installation site



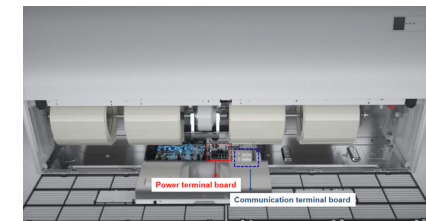
► Beautiful Design of Display Board

The display board is beautiful built in design, with good sealing, moisture-proof and long reliable life



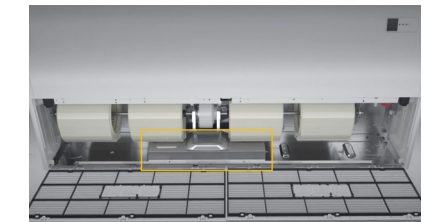
► Safe and Reliable

Separate design of power and communication terminal to ensure safety



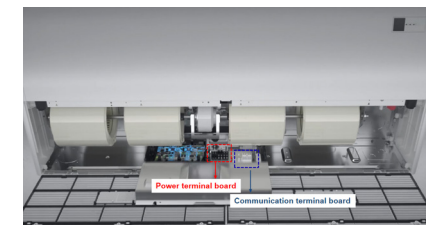
► Optional filter

A variety of health filters can be selected to improve room air quality



► Easy Maintenance

Enough space to maintenance, no need to take out the whole electrical control box



Compact Cassette



Specification-50/60Hz DC fan motor

Model	Indoor		ARVCA-H28/NR1DYB	ARVCA-H36/NR1DYB	ARVCA-H45/NR1DYB	ARVCA-H56/NR1DYB
Capacity	Cooling	kW	2.8	3.6	4.5	5.6
	Heating	kW	3.0	4.3	5.0	6.3
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
	Rated Power	W	30.0	32.0	33.5	33.5
Performance	Air Flow Volume(Tu/Hi/Mid/Low)	m3/h	700/670/640/570	740/700/660/590	760/740/660/600	800/760/680/620
	Noise Level(Tu/Hi/Mid/Low)	dB(A)	42/40/38/36	43/41/39/37	44/42/40/37	45/43/40/38
Dimension (WxDxH)	Net(Body)	mm	570×570×260	570×570×260	570×570×260	570×570×260
	Packing(Body)	mm	720×650×290	720×650×290	720×650×290	720×650×290
	Net(Panel)	mm	650x650x55	650x650x55	650x650x55	650x650x55
Weight	Net/Gross(Body)	kg	15.5/18.5	15.5/18.5	15.5/18.5	15.5/18.5
	Net/Gross(Panel)	kg	2.2/3.7	2.2/3.7	2.2/3.7	2.2/3.7
Refrigerant Type			R410A	R410A	R410A	R410A
Pipe Diameter	Liquid Side	mm(inch)	6.35	6.35	6.35	6.35
	Gas Side	mm(inch)	12.7	12.7	12.7	12.7
	Drainage	mm(inch)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)
Stuffing Quantity	20/40/40H	unit	216/432/486	216/432/486	216/432/486	216/432/486

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.

Cassette



Specification-50/60Hz DC fan motor

Model	Indoor		ARVCA-H28/NR1DYB	ARVCA-H36/NR1DYB	ARVCA-H45/NR1DYB	ARVCA-H56/NR1DYB	ARVCA-H71/NR1DYB	ARVCA-H80/NR1DYB
Capacity	Cooling	kW	2.8	3.6	4.5	5.6	7.1	8.0
	Heating	kW	3.0	4.3	5.0	6.3	8.5	9.5
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	40	45	50	57	57	57
Performance	Air Flow Volume(Hi/Mid/Low)	m3/h	900/800/700	900/800/700	900/800/700	950/850/750	1250/1040/910	1250/1040/910
	Noise Level(Hi/Mid/Low)	dB(A)	35/32/28	35/32/28	35/32/28	35/32/28	38/34/30	38/34/30
Dimension (WxDxH)	Net(Body)	mm	840x840x246	840x840x246	840x840x246	840x840x246	840x840x246	840x840x246
	Packing(Body)	mm	915×915×315	915×915×315	915×915×315	915×915×315	915×915×315	915×915×315
	Net(Panel)	mm	950x950x55	950x950x55	950x950x55	950x950x55	950x950x55	950x950x55
Weight	Packing(Panel)	mm	1000x1000x100	1000x1000x100	1000x1000x100	1000x1000x100	1000x1000x100	1000x1000x100
	Net/Gross(Body)	kg	23.5/27.5	23.5/27.5	23.5/27.5	23.5/27.5	24.5/28.5	24.5/28.5
Refrigerant Type	Net/Gross(Panel)	kg	5.7/8.3	5.7/8.3	5.7/8.3	5.7/8.3	5.7/8.3	5.7/8.3
			R410A	R410A	R410A	R410A	R410A	R410A
Pipe Diameter	Liquid Side	mm(inch)	6.35	6.35	6.35	6.35	9.52	9.52
	Gas Side	mm(inch)	12.7	12.7	12.7	12.7	15.88	15.88
	Drainage	mm(inch)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)
Stuffing Quantity	20/40/40H	unit	77/164/175	77/164/175	77/164/175	77/164/175	77/164/175	77/164/175

Specification-50/60Hz DC fan motor

Model	Indoor		ARVCA-H90/NR1DYB	ARVCA-H100/NR1DYB	ARVCA-H112/NR1DYB	ARVCA-H125/NR1DYB	ARVCA-H140/NR1DYB
Capacity	Cooling	kW	9.0	10.0	11.2	12.5	14.0
	Heating	kW	10.0	11.2	13.0	14.0	16.0
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	57	120	120	120	127
Performance	Air Flow Volume(Hi/Mid/Low)	m3/h	1250/1040/910	1800/1440/1260	1800/1440/1260	1800/1440/1260	1800/1440/1260
	Noise Level(Hi/Mid/Low)	dB(A)	38/34/30	44/42/40	44/42/40	44/42/40	46/43/41
Dimension (WxDxH)	Net(Body)	mm	840x840x246	840×840×288	840×840×288	840×840×288	840×840×288
	Packing(Body)	mm	915×915×315	915×915×355	915×915×355	915×915×355	915×915×355
	Net(Panel)	mm	950x950x55	950x950x55	950x950x55	950x950x55	950x950x55
Weight	Packing(Panel)	mm	1000x1000x100	1000x1000x100	1000x1000x100	1000x1000x100	1000x1000x100
	Net/Gross(Body)	kg	24.5/28.5	27/31	27/31	27/31	30.5/34.5
Refrigerant Type	Net/Gross(Panel)	kg	5.7/8.3	5.7/8.3	5.7/8.3	5.7/8.3	5.7/8.3
			R410A	R410A	R410A	R410A	R410A
Pipe Diameter	Liquid Side	mm(inch)	9.52	9.52	9.52	9.52	9.52
	Gas Side	mm(inch)	15.88	15.88	15.88	15.88	15.88
	Drainage	mm(inch)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)
Stuffing Quantity	20/40/40H	unit	77/164/175	77/164/175	77/164/175	77/164/175	77/164/175

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.

Cassette



Wall-mounted



J type

Specification-50Hz AC fan motor

Model	Indoor		ARVCA-H28/4R1YB	ARVCA-H36/4R1YB	ARVCA-H45/4R1YB	ARVCA-H56/4R1YB	ARVCA-H71/4R1YB	ARVCA-H80/4R1YB
Capacity	Cooling	kW	2.8	3.6	4.5	5.6	7.1	8.0
	Heating	kW	3.2	4.3	5.0	6.3	8.0	9.0
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	80	80	80	80	100	100
Performance	Air Flow Volume(Hi/Mid/Low)	m3/h	900/850/750	900/850/750	900/850/750	950/850/750	1250/1040/910	1250/1040/910
	Noise Level(Hi/Mid/Low)	dB(A)	36/34/33	36/34/33	36/34/33	36/34/33	43/39/37	43/39/37
Dimension (WxDxH)	Net(Body)	mm	840x840x246	840x840x246	840x840x246	840x840x246	840x840x246	840x840x246
	Packing(Body)	mm	915x915x315	915x915x315	915x915x315	915x915x315	915x915x315	915x915x315
	Net(Panel)	mm	950x950x55	950x950x55	950x950x55	950x950x55	950x950x55	950x950x55
	Packing(Panel)	mm	1000x1000x100	1000x1000x100	1000x1000x100	1000x1000x100	1000x1000x100	1000x1000x100
Weight	Net/Gross(Body)	kg	24/28	24/28	24/28	24/28	25/29	25/29
	Net/Gross(Panel)	kg	5.7/8.3	5.7/8.3	5.7/8.3	5.7/8.3	5.7/8.3	5.7/8.3
Refrigerant Type			R410A	R410A	R410A	R410A	R410A	R410A
Pipe Diameter	Liquid Side	mm(inch)	6.35	6.35	6.35	6.35	9.52	9.52
	Gas Side	mm(inch)	12.7	12.7	12.7	12.7	15.88	15.88
	Drainage	mm(inch)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)
Stuffing Quantity	20/40/40H	unit	77/164/175	77/164/175	77/164/175	77/164/175	77/164/175	77/164/175

Specification- 50/60Hz DC fan motor (J type)

Model	Indoor		ARVWM-H022/NR1DJA	ARVWM-H028/NR1DJA	ARVWM-H036/NR1DJA
Capacity	Cooling	kW	2.2	2.8	3.6
	Heating	kW	2.6	3.2	4.0
Electric Data	Power Supply	V~,Hz,Ph	220~240,50(60),1	220~240,50(60),1	220~240,50(60),1
	Rated Power	W	20	20	20
Performance	Air Flow Volume(Hi/Mid/Low)	m³/h	520/460/400	520/460/400	520/460/400
	Noise Level(Hi/Mid/Low)	dB(A)	38/33/27	38/33/27	38/33/27
Dimension (WxHxD)	Net	mm	881x294x194	881x294x194	881x294x194
	Packing	mm	965×370×282	965×370×282	965×370×282
Weight	Net/Gross	kg	10.5/13	10.5/13	10.5/13
Pipe Diameter	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)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)
Stuffing Quantity	20/40/40H	unit	316/647/737	316/647/737	316/647/737

Specification-50Hz AC fan motor

Model	Indoor		ARVCA-H90/4R1YB	ARVCA-H100/4R1YB	ARVCA-H112/4R1YB	ARVCA-H125/4R1YB	ARVCA-H140/4R1YB
Capacity	Cooling	kW	9.0	10.0	11.2	12.5	14.0
	Heating	kW	10.0	11.2	12.8	14.0	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	100	190	190	190	190
Performance	Air Flow Volume(Hi/Mid/Low)	m3/h	1400/1200/1000	1850/1440/1260	1850/1440/1260	1850/1440/1260	1850/1440/1260
	Noise Level(Hi/Mid/Low)	dB(A)	43/39/37	45/40/39	45/40/39	45/40/39	46/41/39
Dimension (WxDxH)	Net(Body)	mm	840x840x246	840×840×288	840×840×288	840×840×288	840×840×288
	Packing(Body)	mm	915x915x315	915x915x355	915x915x355	915x915x355	915x915x355
	Net(Panel)	mm	950x950x55	950x950x55	950x950x55	950x950x55	950x950x55
	Packing(Panel)	mm	1000x1000x100	1000x1000x100	1000x1000x100	1000x1000x100	1000x1000x100
Weight	Net/Gross(Body)	kg	25/29	28.5/32.5	28.5/32.5	28.5/32.5	31/35
	Net/Gross(Panel)	kg	5.7/8.3	5.7/8.3	5.7/8.3	5.7/8.3	5.7/8.3
Refrigerant Type			R410A	R410A	R410A	R410A	R410A
Pipe Diameter	Liquid Side	mm(inch)	9.52	9.52	9.52	9.52	9.52
	Gas Side	mm(inch)	15.88	15.88	15.88	15.88	15.88
	Drainage	mm(inch)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)
Stuffing Quantity	20/40/40H	unit	77/164/175	77/164/175	77/164/175	77/164/175	77/164/175

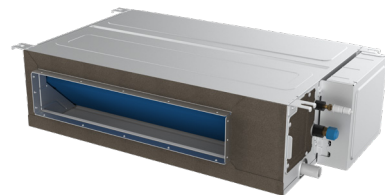
Specification- 50/60Hz DC fan motor (J type)

Model	Indoor		ARVWM-H045/NR1DJA	ARVWM-H056/NR1DJA	ARVWM-H071/NR1DJA
Capacity	Cooling	kW	4.5	5.6	7.1
	Heating	kW	5.0	6.3	8.0
Electric Data	Power Supply	V~,Hz,Ph	220~240,50(60),1	220~240,50(60),1	220~240,50(60),1
	Rated Power	W	30	30	40
Performance	Air Flow Volume(Hi/Mid/Low)	m³/h	850/750/660	850/750/660	1000/900/800
	Noise Level(Hi/Mid/Low)	dB(A)	42/38/34	42/38/34	44/40/37
Dimension (WxHxD)	Net	mm	997x316x227	997x316x227	1132x330x232
	Packing	mm	1067x385x312	1067x385x312	1205x400x317
Weight	Net/Gross	kg	13.5/16.5	13.5/16.5	15.5/19
Pipe Diameter	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)	15.88(5/8)
	Drainage	mm(inch)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)
Stuffing Quantity	20/40/40H	unit	241/498/563	241/498/563	176/410/465

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.

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 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.

Slim Duct



Y type

Specification Y Type - 50/60Hz DC fan motor

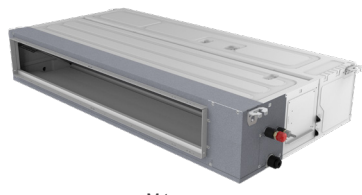
Model	Indoor		ARVLD-H22/NR1DY	ARVLD-H28/NR1DY	ARVLD-H36/NR1DY	ARVLD-H45/NR1DY	ARVLD-H56/NR1DY	ARVLD-H71/NR1DY
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.6	7.1
	Heating	kW	2.6	3.2	4.0	5.0	6.3	8.0
Electric Data	Power Supply	V~,Hz,Ph	220~240,50(60),1	220~240,50(60),1	220~240,50(60),1	220~240,50(60),1	220~240,50(60),1	220~240,50(60),1
	Rated Power	W	40	40	40	90	90	110
Performance	Air Flow Volume(Hi/Mi/Lo)	m³/h	480/380/330	480/380/330	500/410/350	730/590/500	730/590/500	900/710/590
	Noise Level(Hi/Mid/Low)	dB(A)	32/28/26	32/28/26	33/29/27	34/30/28	34/30/28	34/30/28
	External Static Pressure(ESP)	Pa	13(0~50)	13(0~50)	13(0~50)	13(0~50)	13(0~50)	13(0~50)
Dimension (WxDxH)	Net	mm	700x470x200	700x470x200	700x470x200	1000x470x200	1000x470x200	1300x470x200
	Packing	mm	1005×580×275	1005×580×275	1005×580×275	1305x580x275	1305x580x275	1610x580x275
Weight		kg	18.5/22	18.5/22	19/22.5	23.5/28	23.5/28	28.5/33
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)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)
Stuffing Quantity	20/40/40H	unit	176/368/414	176/368/414	176/368/414	136/288/324	136/288/324	104/232/261

Specification Y Type - 50Hz AC fan motor

Model	Indoor		ARVLD-H22/4R1Y	ARVLD-H28/4R1Y	ARVLD-H36/4R1Y	ARVLD-H45/4R1Y	ARVLD-H56/4R1Y	ARVLD-H71/4R1Y
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.6	7.1
	Heating	kW	2.6	3.2	4.0	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	220~240,50,1
	Rated Power	W	25	25	25	35	35	45
Performance	Air Flow Volume	m³/h	550	550	600	850	850	1150
	Noise Level	dB(A)	32	32	33	34	34	34
	External Static Pressure(ESP)	Pa	10(30)	10(30)	10(30)	10(30)	10(30)	10(30)
Dimension (WxDxH)	Net	mm	700x470x200	700x470x200	700x470x200	1000x470x200	1000x470x200	1300x470x200
	Packing	mm	1005×580×275	1005×580×275	1005×580×275	1305x580x275	1305x580x275	1610x580x275
Weight		kg	18.5/22	18.5/22	19/23	23.5/28	23.5/28	29/34
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)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)
Stuffing Quantity	20/40/40H	unit	176/368/414	176/368/414	176/368/414	136/288/324	136/288/324	104/232/261

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



M type

Specification-50/60HZ DC fan motor

Model	Indoor		ARVMD-H45/NR1DM	ARVMD-H56/NR1DM	ARVMD-H71/NR1DM	ARVMD-H80/NR1DM	ARVMD-H90/NR1DM
Capacity	Cooling	kW	4.5	5.6	7.1	8.0	9.0
	Heating	kW	5.6	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	110	110	125	125	150
Performance	Air Flow Volume(Tu/Hi/Mid/Low)m³/h		1000/920/790/700	1000/920/790/700	1680/1350/1100/950	1680/1350/1100/950	1710/1400/1120/950
	Noise Level(Hi/Mid/Low)	dB(A)	39/37/35	39/37/35	40/38/36	41/39/37	41/39/37
	External Static Pressure(ESP)	Pa	50(0-150)	50(0-150)	50(0-150)	50(0-150)	50(0-150)
Dimension (WxDxH)	Net	mm	1000x700x245	1000x700x245	1000x700x245	1000x700x245	1000x700x245
	Packing	mm	1230*830*300	1230*830*300	1230*830*300	1230*830*300	1230*830*300
Weight	Net/Gross	kg	30/36	30/36	30/36	30/36	32/38
Pipe Diameter	Liquid Side	mm(inch)	9.52	9.52	9.52	9.52	9.52
	Gas Side	mm(inch)	15.88	15.88	15.88	15.88	15.88
	Drainage	mm(inch)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)
Stuffing Quantity	20/40/40H	unit	72/151/164	72/151/164	72/151/164	72/151/164	72/151/164

Specification-50/60HZ DC fan motor

Model	Indoor		ARVMD-H100/NR1DM	ARVMD-H112/NR1DM	ARVMD-H125/NR1DM	ARVMD-H140/NR1DM	ARVMD-H150/NR1DM
Capacity	Cooling	kW	10.0	11.2	12.5	14.0	15.0
	Heating	kW	11.2	12.5	14.0	16.0	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	150	230	230	230	250
Performance	Air Flow Volume(Tu/Hi/Mid/Low)m³/h		1710/1400/1120/950	2300/1900/1600/1400	2300/1900/1600/1400	2300/1900/1600/1400	2400/2000/1700/1500
	Noise Level(Hi/Mid/Low)	dB(A)	42/40/38	44/42/40	44/42/40	44/42/40	45/43/41
	External Static Pressure(ESP)	Pa	50(0-150)	50(0-150)	50(0-150)	50(0-150)	50(0-150)
Dimension (WxDxH)	Net	mm	1000x700x245	1400×700×245	1400×700×245	1400×700×245	1400×700×245
	Packing	mm	1230*830*300	1630x830x300	1630x830x300	1630x830x300	1630x830x300
Weight	Net/Gross	kg	32/38	41/48	41/48	41/48	41/48
Pipe Diameter	Liquid Side	mm(inch)	9.52	9.52	9.52	9.52	9.52
	Gas Side	mm(inch)	15.88	15.88	15.88	15.88	15.88
	Drainage	mm(inch)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)
Stuffing Quantity	20/40/40H	unit	72/151/164	49/98/112	49/98/112	49/98/112	49/98/112

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



M type

Specification-50Hz AC fan motor

Model	Indoor		ARVMD-H45/4R1M	ARVMD-H56/4R1M	ARVMD-H71/4R1M	ARVMD-H80/4R1M	ARVMD-H90/4R1M
Capacity	Cooling	kW	4.5	5.6	7.1	8.0	9.0
	Heating	kW	5.6	6.3	8.0	9.5	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	220~240,50,1
	Rated Power	W	215	215	215	215	220
Performance	Air Flow Volume(TuHiMid/Low)	m³/h	1000/800/660/520	1000/800/660/520	1500/1200/930/730	1500/1200/930/730	1500/1210/950/750
	Noise Level(Hi/Mid/Low)	dB(A)	42/39/36	42/39/36	43/40/37	43/40/37	44/41/38
	External Static Pressure(ESP)	Pa	50	50	50	50	50
Dimension (WxDxH)	Net	mm	1000x700x245	1000x700x245	1000x700x245	1000x700x245	1000x700x245
	Packing	mm	1230*830*300	1230*830*300	1230*830*300	1230*830*300	1230*830*300
Weight	Net/Gross	kg	30/36	30/36	30/36	30/36	32/38
Pipe Diameter	Liquid Side	mm(inch)	9.52	9.52	9.52	9.52	9.52
	Gas Side	mm(inch)	15.88	15.88	15.88	15.88	15.88
	Drainage	mm(inch)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)
Stuffing Quantity	20/40/40H	unit	72/151/164	72/151/164	72/151/164	72/151/164	72/151/164

Specification-50Hz AC fan motor

Model	Indoor		ARVMD-H100/4R1M	ARVMD-H112/4R1M	ARVMD-H125/4R1M	ARVMD-H140/4R1M	ARVMD-H150/4R1M
Capacity	Cooling	kW	10.0	11.2	12.5	14.0	15.0
	Heating	kW	11.2	12.5	14.0	15.5	16.5
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
	Rated Power	W	220	310	310	310	310
Performance	Air Flow Volume(TuHiMid/Low)	m³/h	1500/1210/950/750	2100/1870/1550/1320	2100/1870/1550/1320	2100/1870/1550/1320	2100/1870/1550/1320
	Noise Level(Hi/Mid/Low)	dB(A)	44/41/38	45/42/39	45/42/39	45/42/39	46/43/40
	External Static Pressure(ESP)	Pa	50	50	50	50	50
Dimension (WxDxH)	Net	mm	1000x700x245	1400×700×245	1400×700×245	1400×700×245	1400×700×245
	Packing	mm	1230*830*300	1630x830x300	1630x830x300	1630x830x300	1630x830x300
Weight	Net/Gross	kg	32/38	43/50	43/50	43/50	43/50
Pipe Diameter	Liquid Side	mm(inch)	9.52	9.52	9.52	9.52	9.52
	Gas Side	mm(inch)	15.88	15.88	15.88	15.88	15.88
	Drainage	mm(inch)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)
Stuffing Quantity	20/40/40H	unit	72/151/164	49/98/112	49/98/112	49/98/112	49/98/112

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



Specification-50Hz AC fan motor (196Pa)

Model	Indoor		ARVHD-H112/4R1A	ARVHD-H125/4R1A	ARVHD-H140/4R1A	ARVHD-H150/4R1A
Capacity	Cooling	kW	11.2	12.5	14.0	15.0
	Heating	kW	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
	Rated Power	W	600	600	600	600
Performance	Air Flow Volume(Hi/Mid/Low)	m³/h	2000/1600/1400	2000/1600/1400	2000/1600/1400	2000/1600/1400
	Noise Level(Hi/Mid/Low)	dB(A)	60/57/51	60/57/51	60/57/51	60/57/51
	External Static Pressure(ESP)	Pa	196	196	196	196
Dimension (WxDxH)	Net	mm	1200x719x380	1200x719x380	1200x719x380	1200x719x380
	Packing	mm	1235x760x415	1235x760x415	1235x760x415	1235x760x415
Weight	Net/Gross	kg	56/59	56/59	56/59	56/59
Pipe Diameter	Liquid Side	mm(inch)	9.52	9.52	9.52	9.52
	Gas Side	mm(inch)	19.05	19.05	19.05	19.05
	Drainage	mm	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)
Stuffing Quantity	20/40/40H	unit	68/147/168	68/147/168	68/147/168	68/147/168

Specification-50/60Hz DC fan motor

Model	Indoor		ARVHD-H220/NR1DC	ARVHD-H280/NR1DC
Capacity	Cooling	kW	22.4	28
	Heating	kW	25	31.5
Electric Data	Power Supply	V~,Hz,Ph	220~240,50/60,1	220~240,50/60,1
	Rated Power	W	1200	1200
Performance	Air Flow Volume	m³/h	4400	4400
	Noise Level	dB(A)	57	57
Dimension (WxDxH)	External Static Pressure(ESP)	Pa	170(30-250)	170(30-250)
	Net	mm	1388x715x480	1388x715x480
Weight	Packing	mm	1540x810x610	1540x810x610
	Net/Gross	kg	99/120	99/120
Pipe Diameter	Liquid Side	mm(inch)	12.7(1/2)	12.7(1/2)
	Gas Side	mm(inch)	22.2(7/8)	22.2(7/8)
	Drainage	mm	OD33.5	OD33.5
Stuffing Quantity	20/40/40H	unit	30/63/84	30/63/84

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



Ceiling&Floor



Specification-50/60Hz DC/AC fan motor

Model	Indoor		ARVFA-H220/NR1DC	ARVFA-H280/NR1DC
Capacity	Cooling	kW	22.4	28.0
	Heating	kW	18.0	22.0
Electric Data	Power Supply	V~,Hz,Ph	220~240,50/60,1	220~240,50/60,1
	Rated Power	W	900	900
Performance	Air Flow Volume	m³/h	3200	3200
	Noise Level	dB(A)	55	55
	External Static Pressure(ESP)	Pa	220	220
Dimension (WxDxH)	Net	mm	1388×715×480	1388×715×480
	Packing	mm	1540×810×610	1540×810×610
Weight	Net/Gross	kg	99/120	99/120
Pipe Diameter	Liquid Side	mm(inch)	12.7(1/2)	12.7(1/2)
	Gas Side	mm(inch)	22.2(7/8)	22.2(7/8)
	Drainage	mm	OD33.5	OD33.5
Stuffing Quantity	20/40/40H	unit	30/63/84	30/63/84

Specification-50/60Hz DC fan motor

Model	Indoor		ARVCF-H45/NR1DF	ARVCF-H56/NR1DF	ARVCF-H71/NR1DF	ARVCF-H80/NR1DF
Capacity	Cooling	kW	4.5	5.6	7.1	8.0
	Heating	kW	5.0	6.3	8.0	9.0
Electric Data	Power Supply	V~,Hz,Ph	220-240V,50/60,1	220-240V,50/60,1	220-240V,50/60,1	220-240V,50/60,1
	Rated Power	W	40	40	40	70
Performance	Air Flow Volume (Tu/Hi/Mid/Low/Sl)	m³/h	940/895/700/650/600	940/895/700/650/600	940/895/700/650/600	1300/1245/1020/930/840
	Noise Level(Tu/Hi/Mi/Lo/Sl)	dB(A)	42/41/38/37/36	42/41/38/37/36	42/41/38/37/36	43/42/39/38/37
Dimension (WxD×H)	Net	mm	1000×690×235	1000×690×235	1000×690×235	1280×690×235
	Packing	mm	1080×770×325	1080×770×325	1080×770×325	1360×770×325
Weight	Net	kg	29/33.5	29/33.5	29/33.5	35.5/41
Pipe Diameter	Liquid Side	mm(inch)	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)	15.88(5/8)
	Drainage	mm(inch)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)
Stuffing Quantity	20/40/40H	unit	112/224/264	112/224/264	112/224/264	84/175/200

Specification-50/60Hz DC/AC fan motor

Model	Indoor		ARVFA-H450/5R1A	ARVFA-H560/5R1A
Capacity	Cooling	kW	45.0	56.0
	Heating	kW	49.5	61.5
Electric Data	Power Supply	V~,Hz,Ph	380~415,50/60,3	380~415,50/60,3
	Rated Power	W	1520	1520
Performance	Air Flow Volume	m³/h	4000	5000
	Noise Level	dB(A)	57	59
	External Static Pressure(ESP)	Pa	220	220
Dimension (WxDxH)	Net	mm	1820×990×855	2115×990×855
	Packing	mm	1935×1025×1015	2225×1025×1015
Weight	Net/Gross	kg	150/170	225/255
Pipe Diameter	Liquid Side	mm(inch)	12.7×2	12.7×2
	Gas Side	mm(inch)	22.2×2	22.2×2
	Drainage	mm	DN25	DN25
Stuffing Quantity	20/40/40H	unit	12/24/24	12/24/24

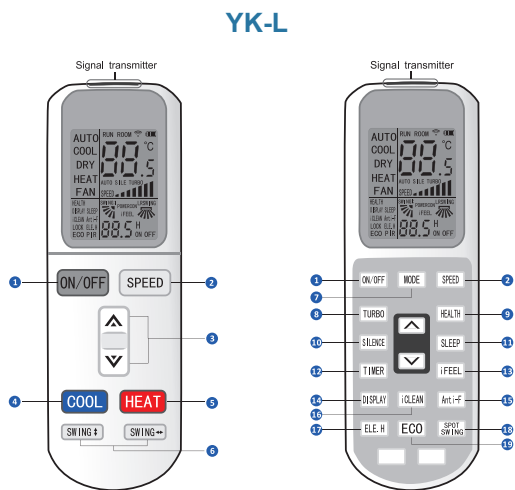
Specification-50/60Hz DC fan motor

Model	Indoor		ARVCF-H90/NR3DF	ARVCF-H112/NR4DF	ARVCF-H125/NR5DF	ARVCF-H140/NR6DF
Capacity	Cooling	kW	9.0	11.2	12.5	14.0
	Heating	kW	11.0	12.8	14.0	15.0
Electric Data	Power Supply	V~,Hz,Ph	220-240V,50/60,1	220-240V,50/60,1	220-240V,50/60,1	220-240V,50/60,1
	Cooling/Heating Power Input	W	70	120	120	120
Performance	Air Flow Volume (Tu/Hi/Mid/Low/Sl)	m³/h	1300/1245/1020/930/840	2040/1890/1740/1560/1440	2040/1890/1740/1560/1440	2040/1890/1740/1560/1440
	Noise Level(Tu/Hi/Mi/Lo/Sl)	dB(A)	43/42/39/38/37	50/49/45/43/41	50/49/45/43/41	50/49/45/43/41
Dimension (WxD×H)	Net	mm	1280×690×235	1600×690×235	1600×690×235	1600×690×235
	Packing	mm	1360×770×325	1680×770×325	1680×770×325	1680×770×325
Weight	Net/Gross	kg	35.5/41	42/49	42/49	42/49
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)	15.88(5/8)	15.88(5/8)	15.88(5/8)	15.88(5/8)
	Drainage	mm(inch)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)
Stuffing Quantity	20/40/40H	unit	84/175/200	70/147/168	70/147/168	70/147/168

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.

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.

Remote Controller



- 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

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		
Dimension (WxHxD) (mm)	52x160x25(max)	50x140x28.5(max)
Power(V)	3V(1.5V×2)	3V(1.5V×2)

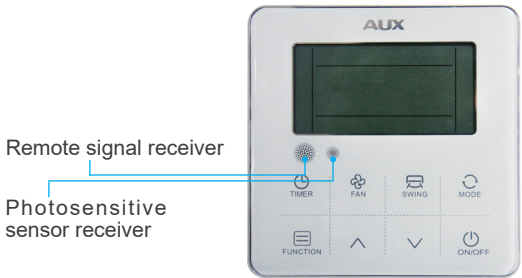
Wired Controller



Function

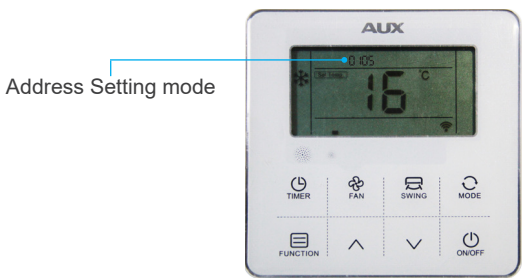
Built-In Remote Signal Receiver

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.



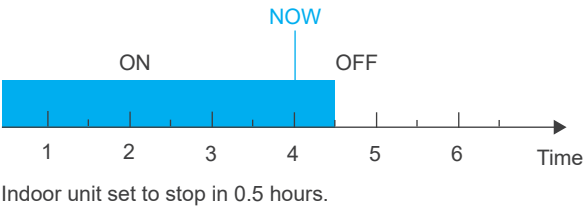
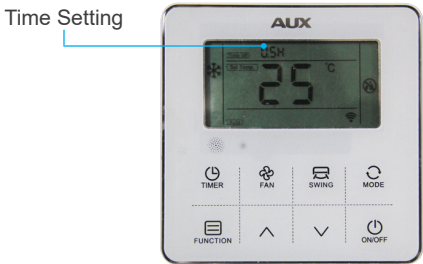
Follow Me

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.



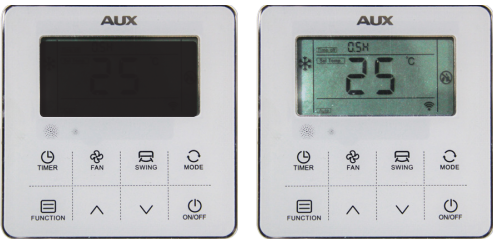
Built-in Timer

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



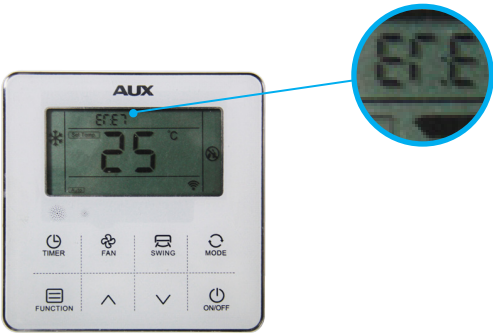
► User-Friendly & Elegant Design

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.



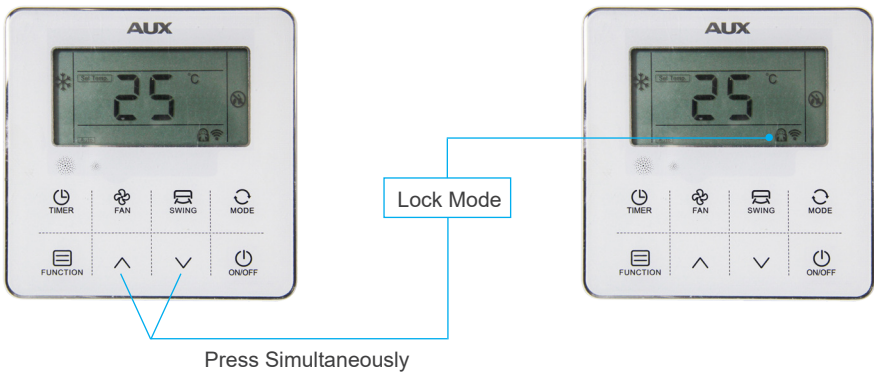
► Error Reporting

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 
Dimesion (WxHxD) (mm)	120×120×18
Power Supply(V)	DC 12V by IDU

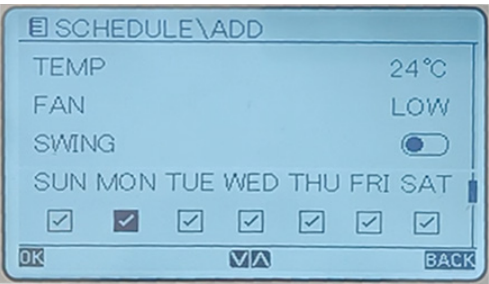


XK-06A

► New Features

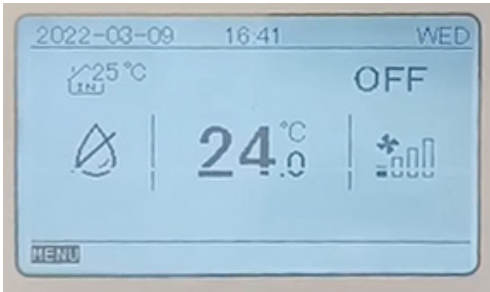
Weekly timer function

Easy setting of weekly running status



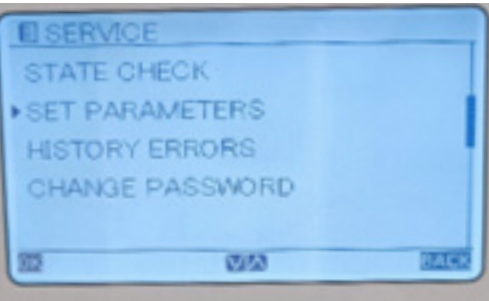
Display room temp (Optional)

Accurately display room temperature



Parameter Setting

Simple and convenient setting of parameter



History errors

Simple and quick search of history errors



► Features

Specifications

Model	XK-06A 
Dimesion (WxHxD) (mm)	120×120×20
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.



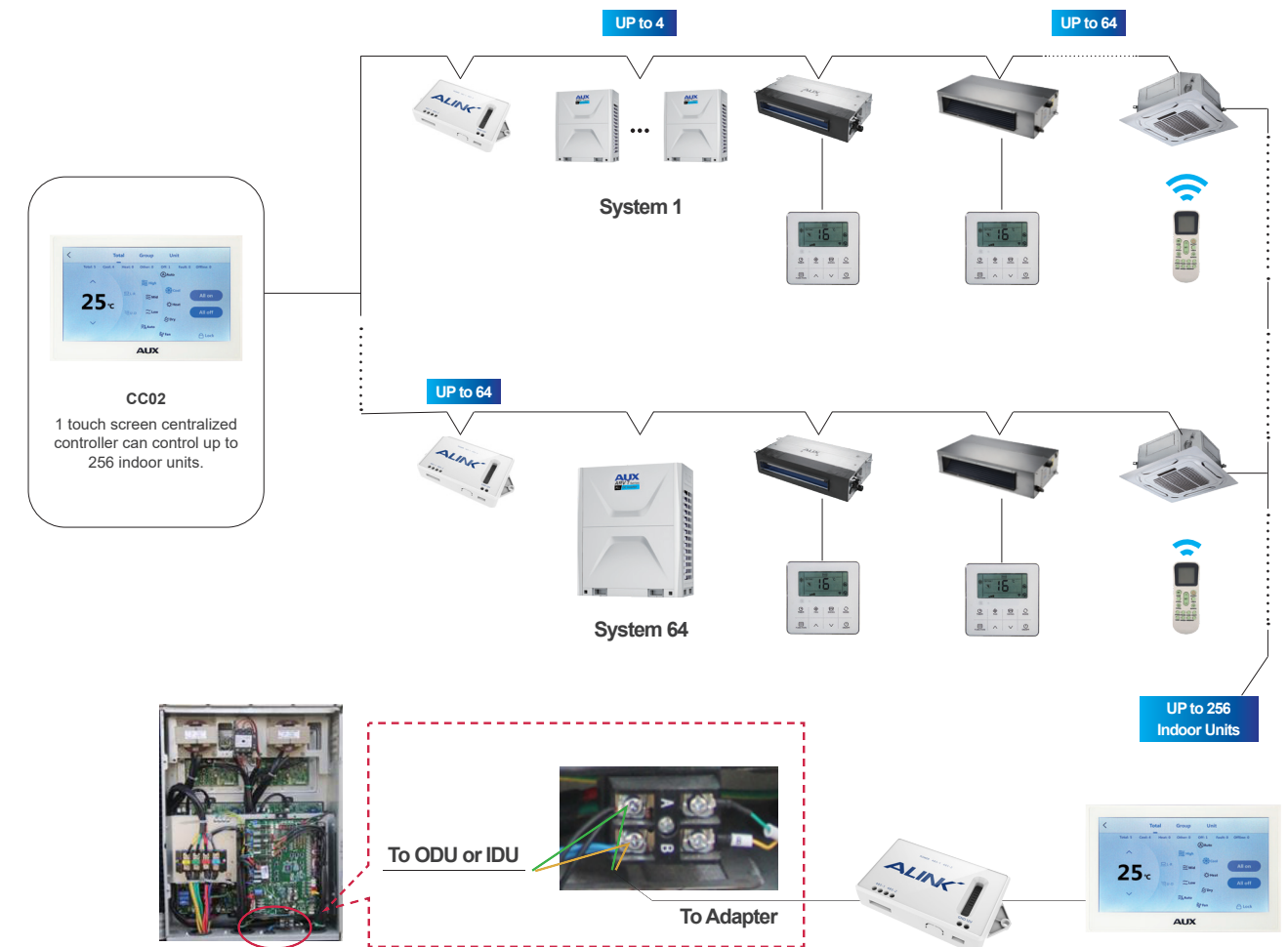
► Indoor Units Operation Status Display

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.



► Central controller & connection

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.

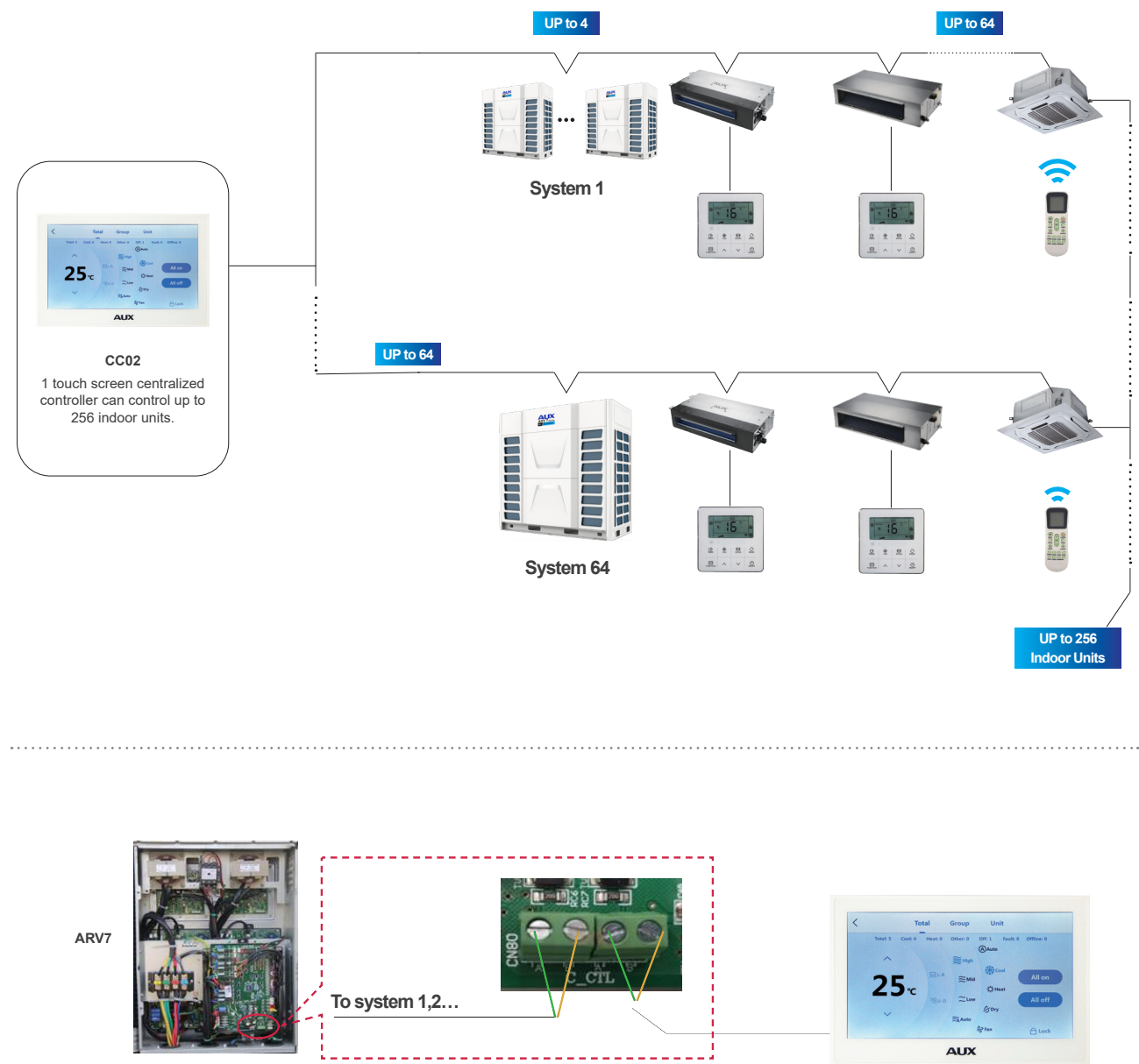


Main Components of Centralized Controller

Model	CC-02	CM-MTD/AM01
Dimension(W×H×D) (mm)	176x116x12 (Outside the wall) 120x60x25 (Inside the wall)	127 ×65.8×20.8mm
Power supply	AC 180-240V (50/60Hz)	DC 12V

► Central controller & connection (Optional)

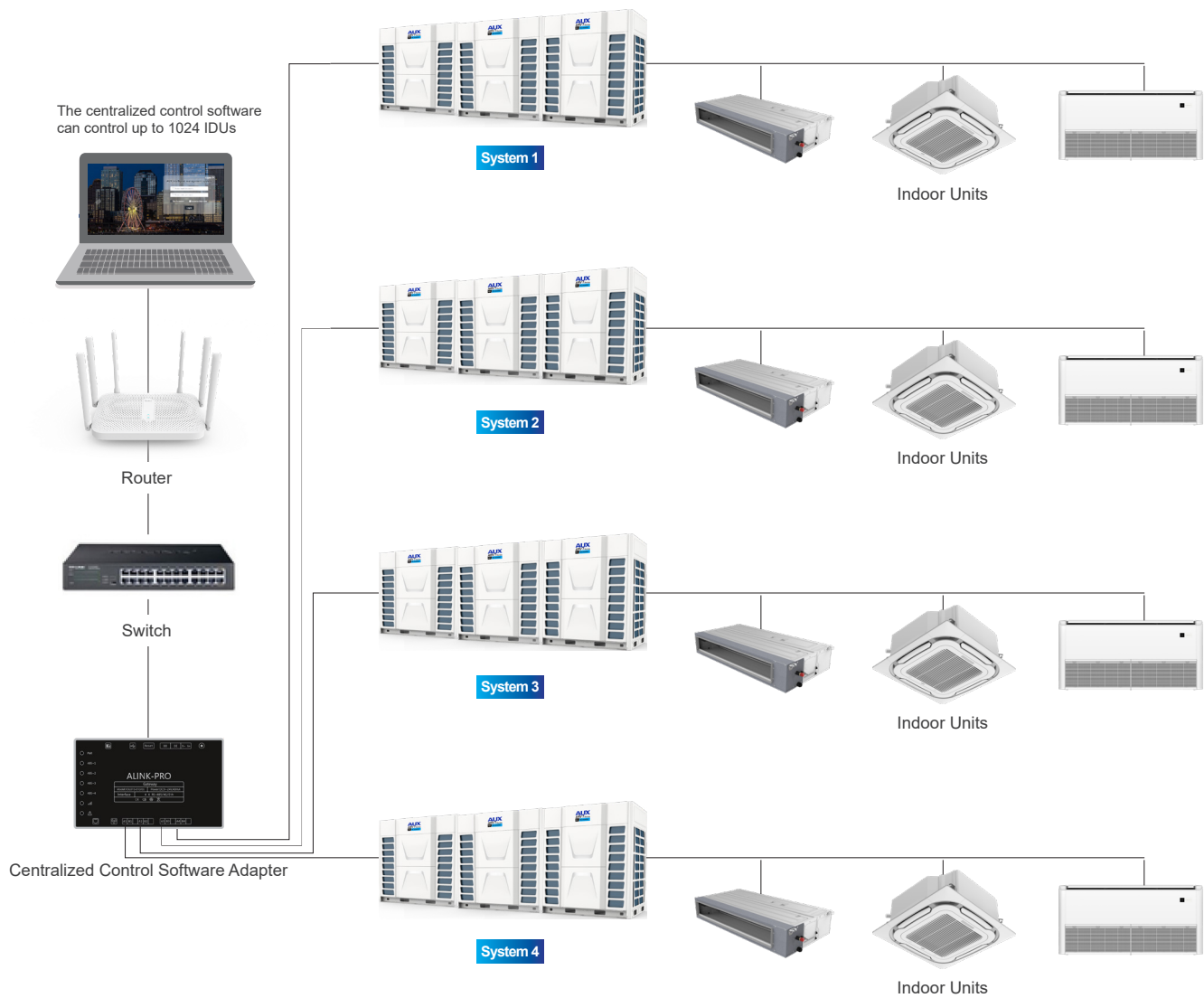
Meet different air solution for kinds of application sites.



Notes:
It needs to set C9 and C10 parameters. For details, please contact AUX technical engineers

Centralized Control Software

► System Overview



► System Overview

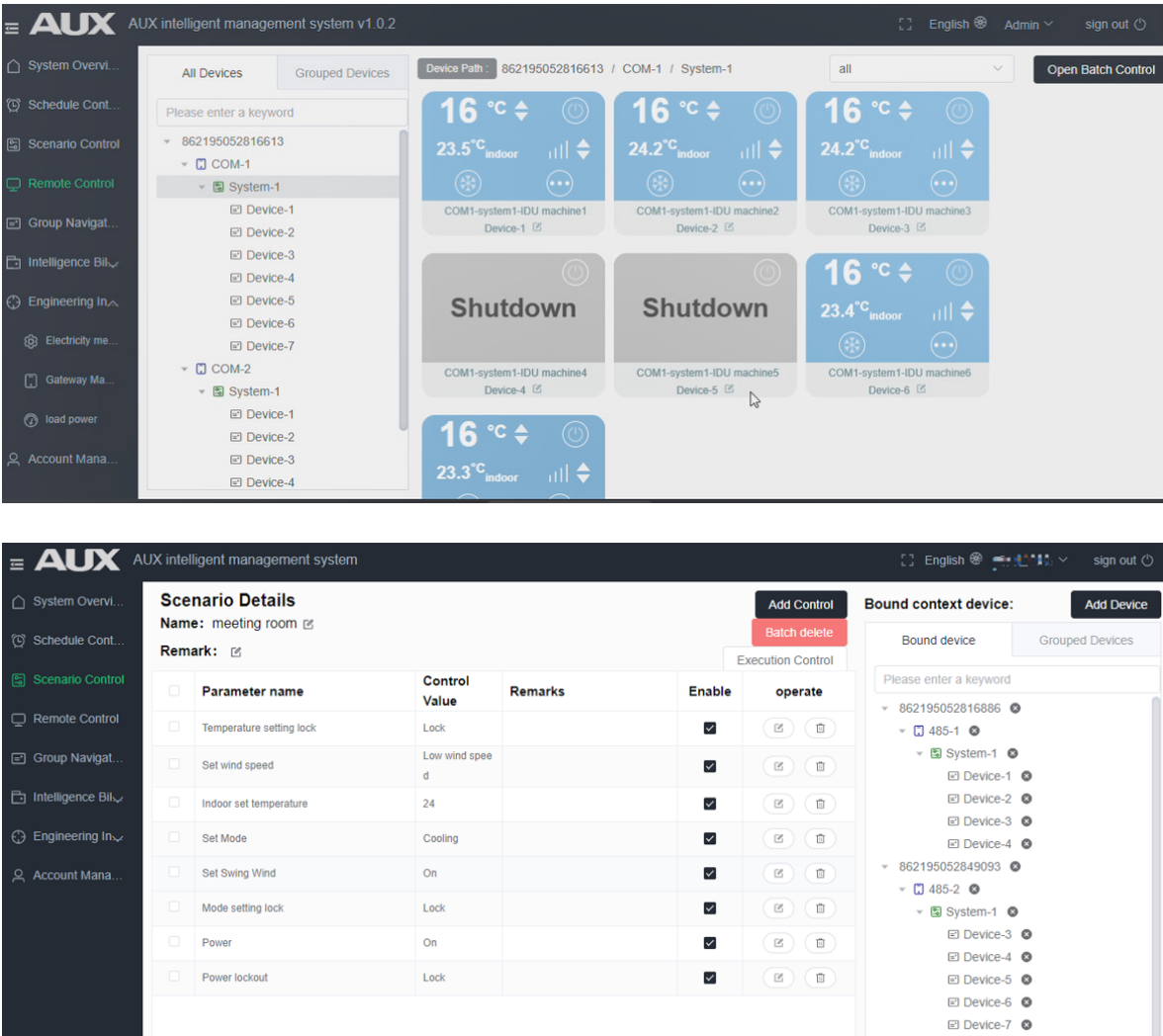
Users do not need to go to the harsh environment of the site, they can monitor the function of units just through computer. This greatly improves convenience of daily management and the efficiency of central air conditioners;
Timely find the fault and save the maintenance cost of air conditioner units,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

► Main Components Of Centralized Control System

No	Main Components	Requirement & Function
1	Adapter/Gateway 	1. Model: CM-PTD/A02 2. Power: DC 9~24V,400mA 3. Communication:RS485 4. LAN (DHCP to obtain IP automatically) 4. Baud rate: 9600, 5. "even parity" by number of systems 6. Working condition: -25℃ ~55℃ , 45%~75% 7.Dimension:178mm×115mm×85mm
2	Centralized control software 	AUX intelligent management system

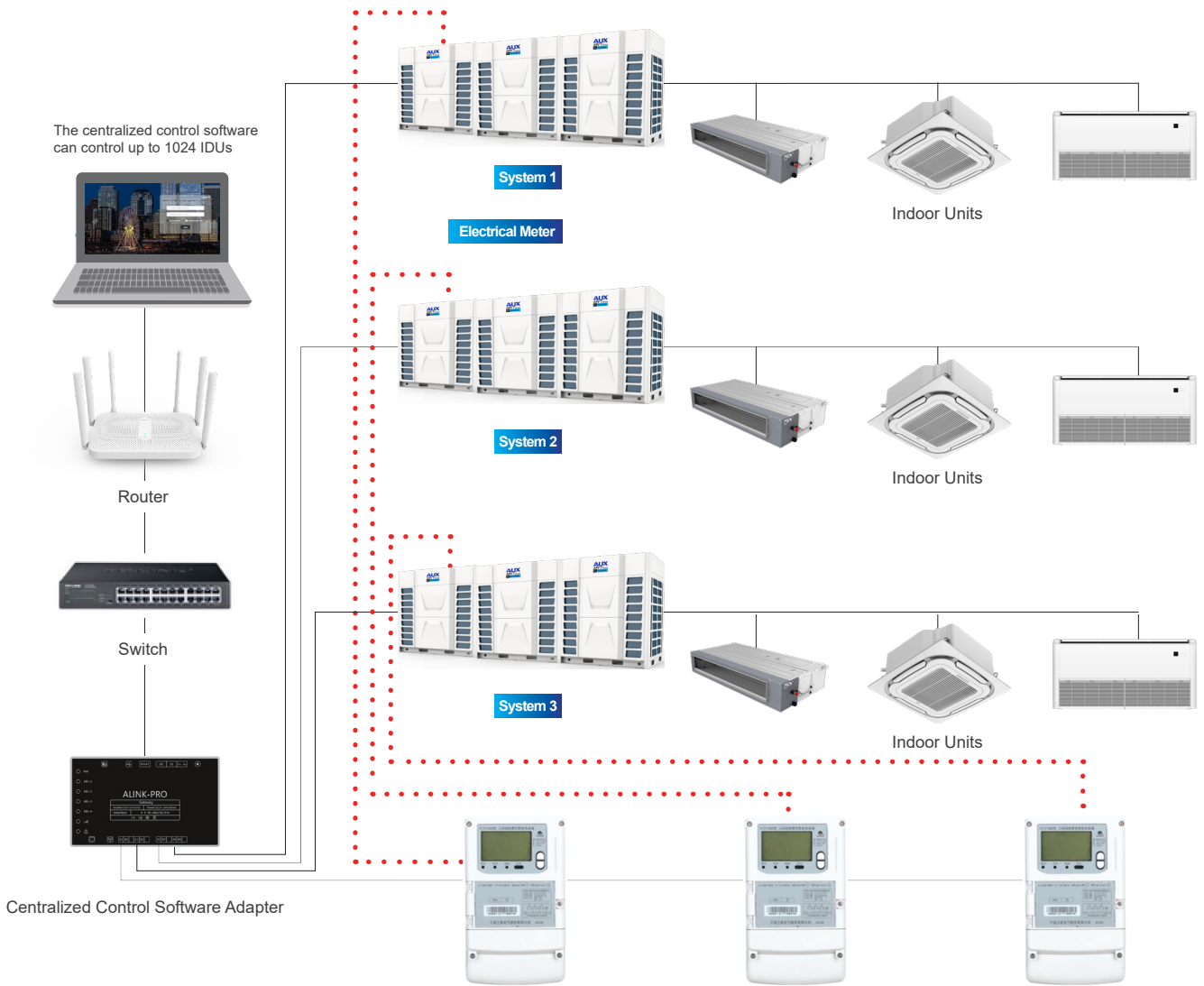
Notes:
Routers, switches and other equipments are purchased locally by the user

► Software Introduction Main Interface



Tenant billing solution

► System Overview



► System Overview

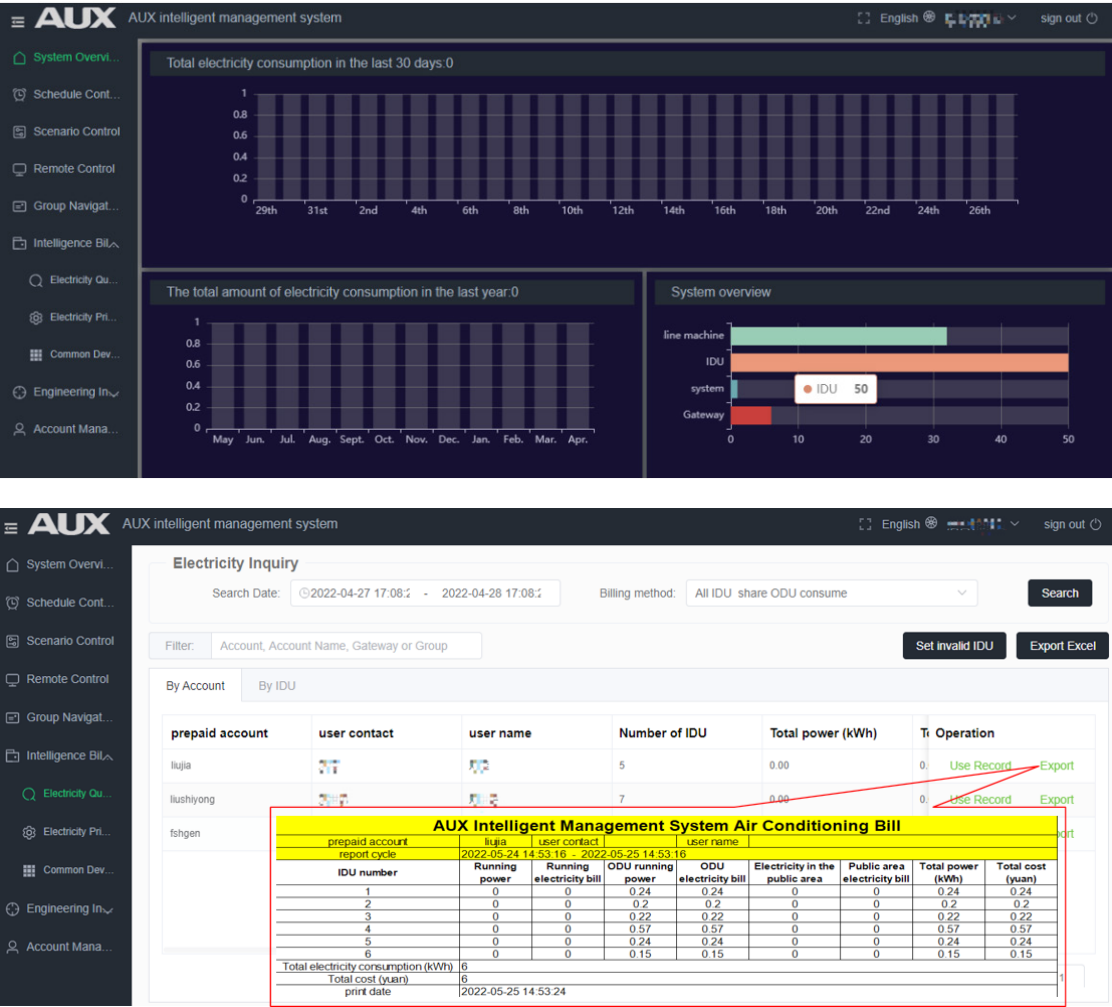
A function that proportionally distributes the total power used by the air conditioners in a rental building, measured by using an electricity meter among the tenants. This function is very suitable for ARV System.

► Main Components Of Centralized Control System

No	Main Components	Requirement & Function
1	Adapter/Gateway 	1. Model: CM-PTD/A02 2. Power: DC 9~24V,400mA 3. Communication:RS485 4. LAN (DHCP to obtain IP automatically) 5. Baud rate:9600, 6. "even parity" by number of systems 7. Working condition: -25℃ ~55℃ , 45%~75% 7.Dimension:178mm×115mm×85mm
2	Electrical Meter 	1. Model: DTZY188 2. Voltage: 380V~3ph , 3. Max current : 100A 4. Communication type:RS485 5. Protocol:DL/T 645-2007; 6. Baud rate:9600, parity type : "even parity" 7. Operation: Temp(-25~55℃),humid(45~75%) 8. Dimention: 290×170×85mm
3	Centralized control software 	AUX intelligent management system

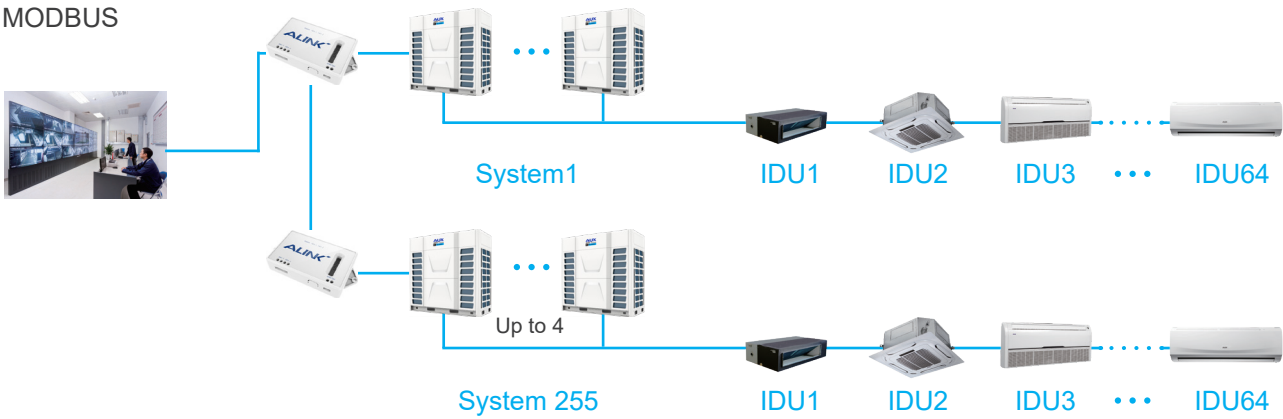
Notes:
Routers, switches and other equipments are purchased locally by the user

► Software Introduction Main Interface

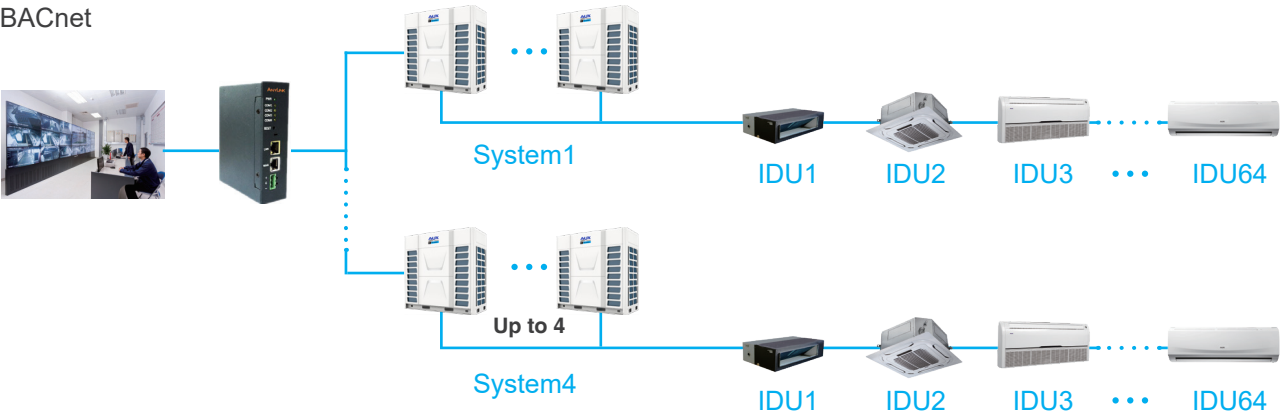


BMS System

► Overall Structure



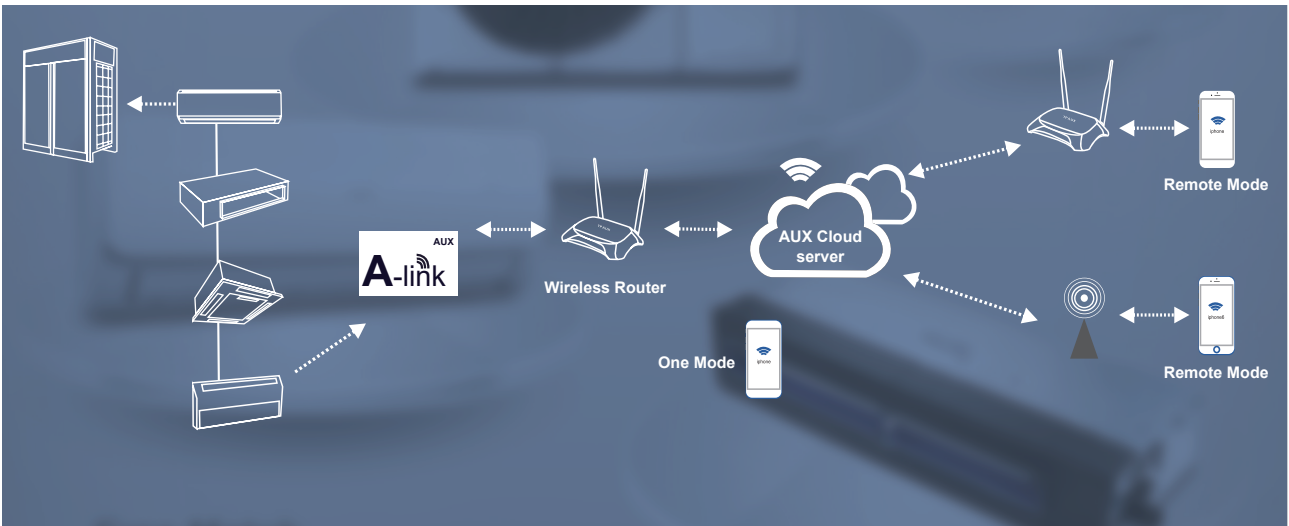
Notes:
The master outdoor unit can also directly connect to MODBUS without mini gateway.
For details, please contact AUX technical engineers



Model	CM-MTD/AM01	Bacnet gateway
		
Dimension(W×H×D)mm	127 ×65.8×20.8	115×35×135
Power supply	DC 12V	DC 24V,7W
Feature	Max.255	Unlimited(HUB)

Wireless Network Control

► Schematic Diagram

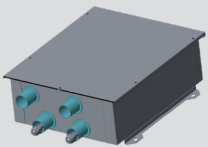


► Features

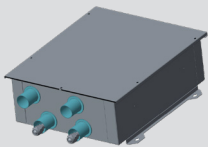
1. AUX air conditioner can connect to intelligent terminal through WIFI or GPRS network, customers can enjoy fun and convenience of remote control the AC via iphone, ipad and other mobile terminals(Android and IOS) at anytime and anywhere.
2. The function of software on Mobile terminal includes mode 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

ARVK-01A



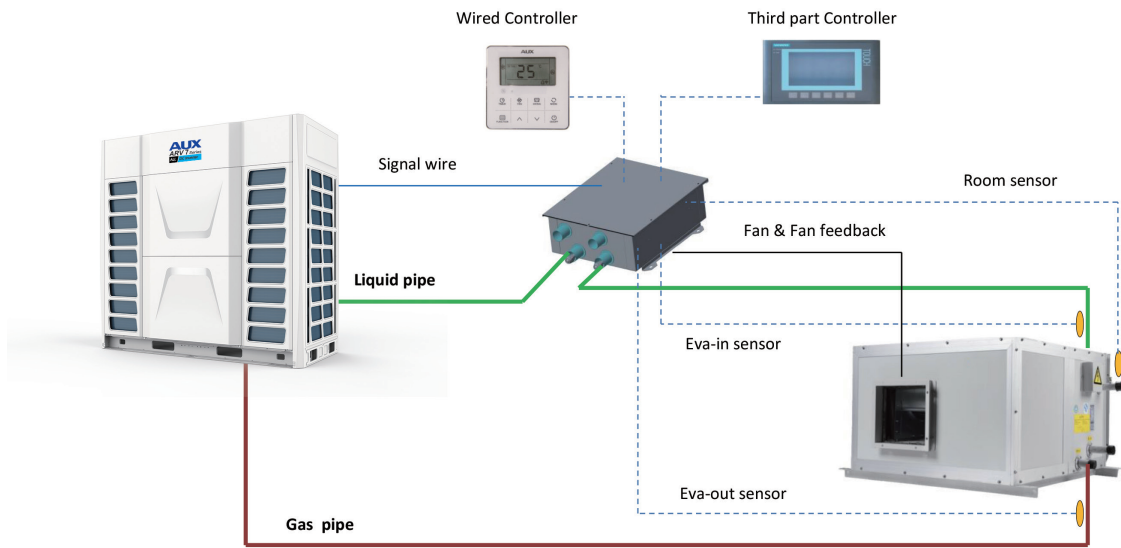
ARVK-02A



Model	Net Dimension (W×D×H)mm	Packing Dimension (W×D×H)mm	Net Weight (kg)	Gross Weight (kg)	AHU capacity(kw)	DX coil volume (min-max)dm³	Reference air volume(m³/h)	Power supply
ARVK-01A	573×447×180	655×525×250	11.5	14.5	11.2-14	2.1-2.6	2000	220-240V,50,1
					14-18	2.6-3.3	2300	
					18-20	3.3-3.7	2700	
					20-25	3.7-4.6	3000	
					25-30	4.6-5.5	3800	
ARVK-02A	573×447×180	655×525×250	12	15	30-36	5.5-6.6	4500	
					36-40	6.6-7.4	5500	
					40-45	7.4-8.3	6000	
					45-50	8.3-9.2	7000	
					50-56	9.2-10.3	8000	

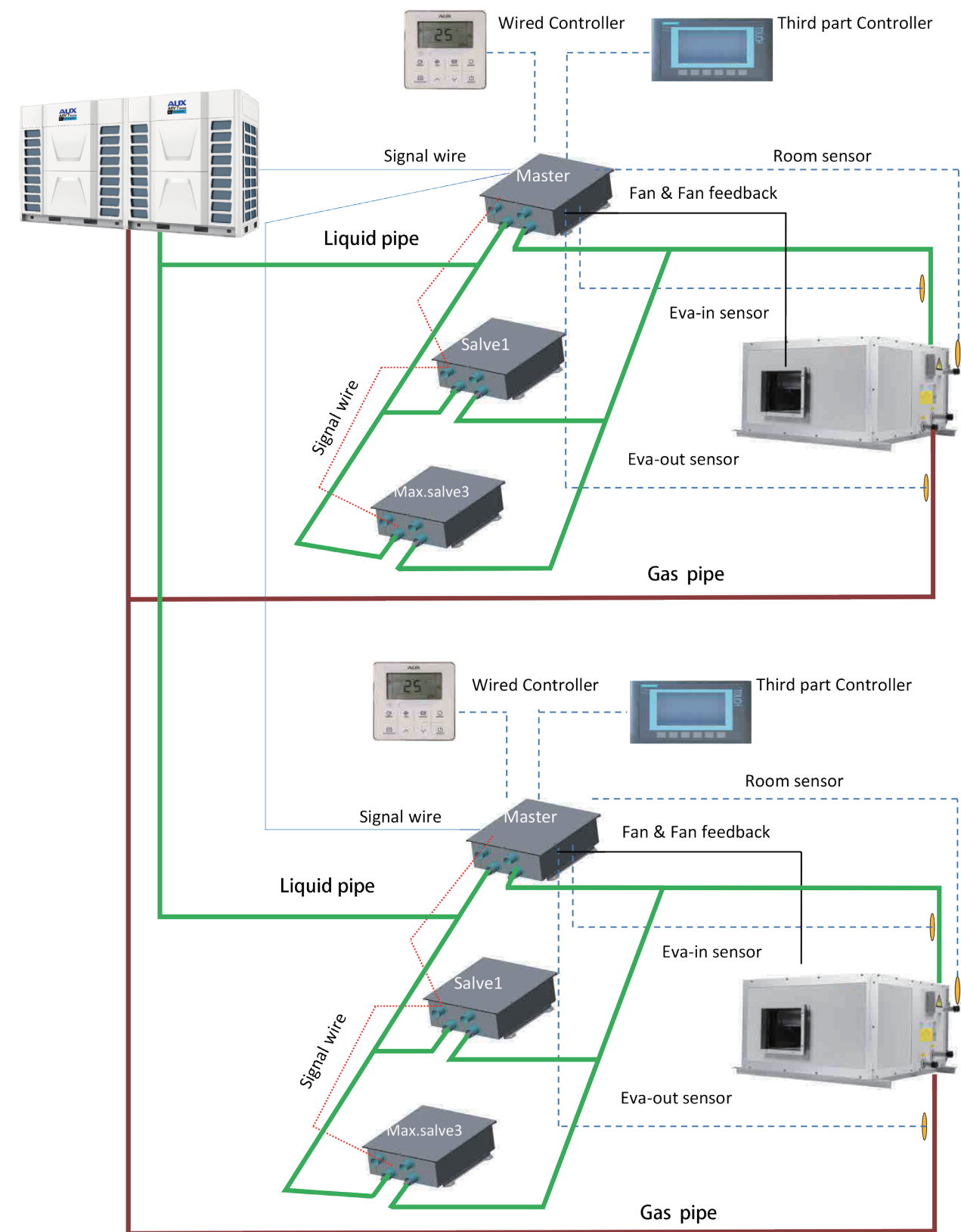
Remarks: applicable to MINI VRF (capacity ≥ 12KW)

► Single AHU connection



Above diagram suitable for factory default control, 0-10V(temperature control), 0-10V(pressure control)

► Multi AHU connection

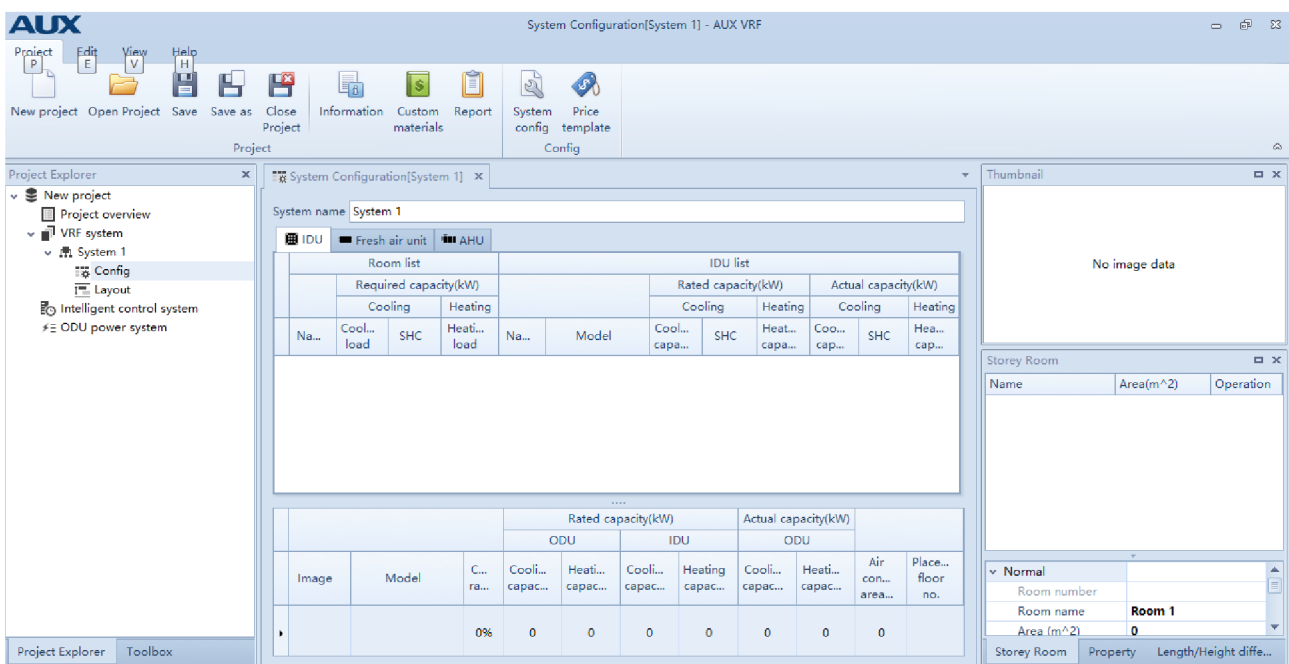


Above diagram suitable for factory default control, 0-10V(temperature control)

Accessories-Selection Software

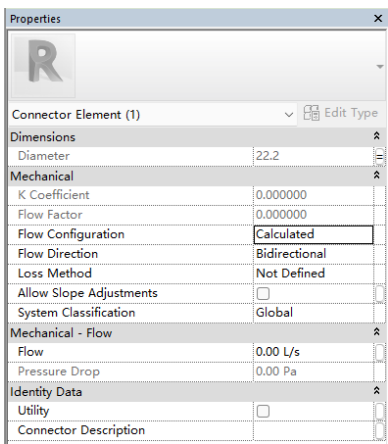
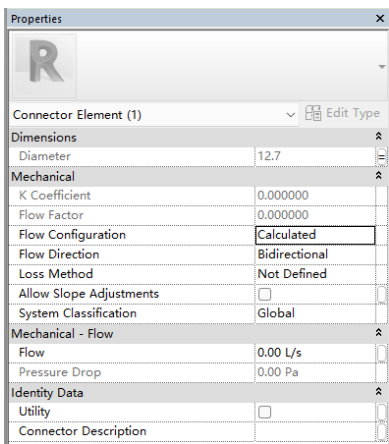
To meet the customers' requirements, AUX has developed the advanced selection software. The software provides quick and convenient selectable options for users, supports multiple languages, greatly improves the selection and installation process.

► 6 Parts Of The ARV Selection



► Revit Models Series

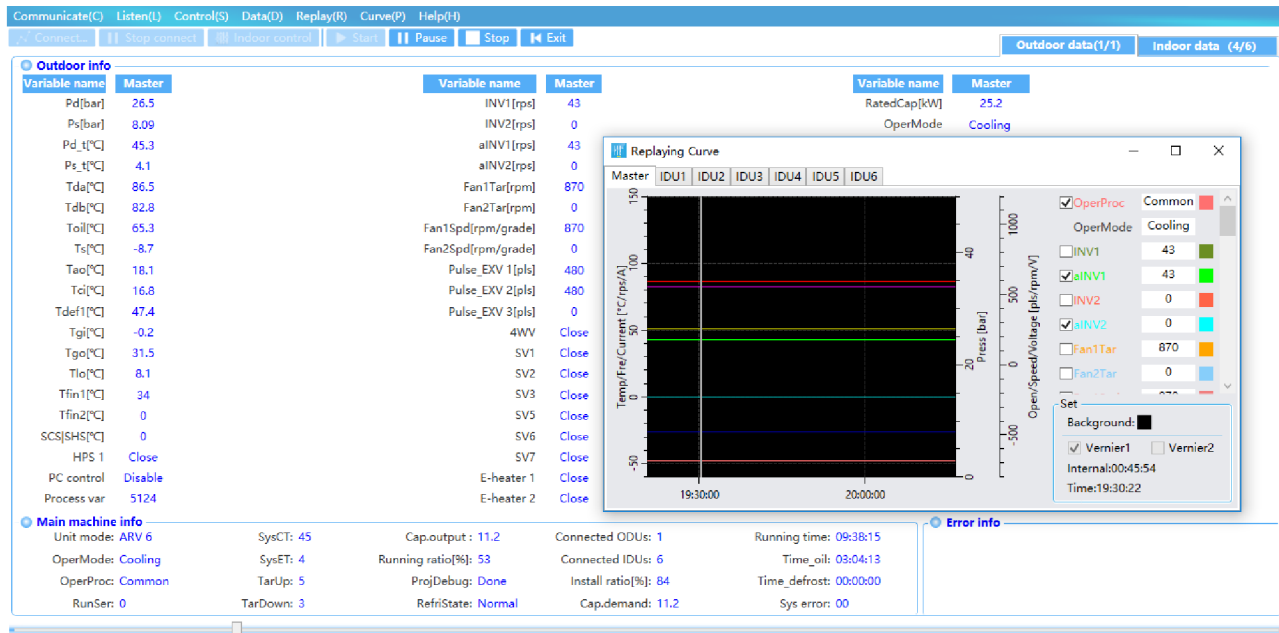
AUX revit is developed to make 3D design (shows Electrical Connector+Pipe Connectors +Produce parameter) of AUX products easier than the previous program. It enables engineers to check 3D images from design stage and prevents possible issues of the installation stage.



Accessories-Monitoring Software

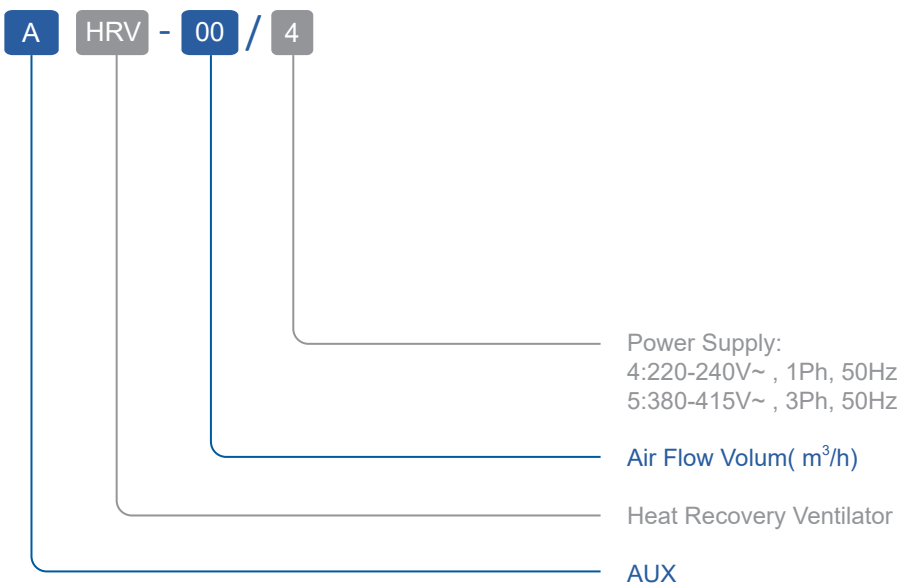
Self-diagnosis software can be used as remote controller, it is recommended for commissioning. It can monitor the running state of the outdoor and indoor units real time. And display the malfunctions, be convenient to do the commissioning and trouble-shooting work.

Monitoring Software

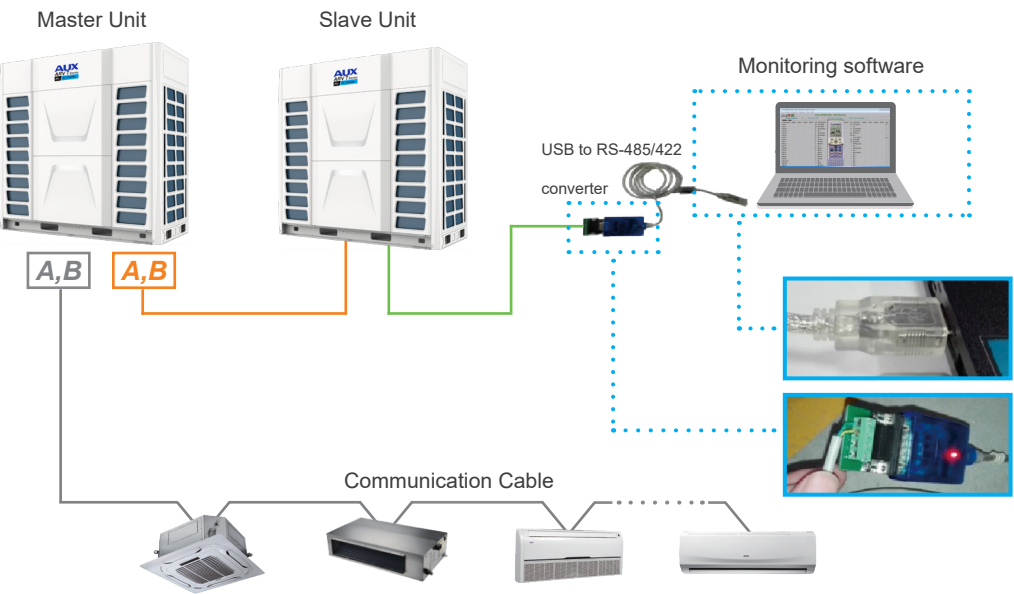


HRV-Heat Recovery Ventilator

Nomenclature



Installation Diagram



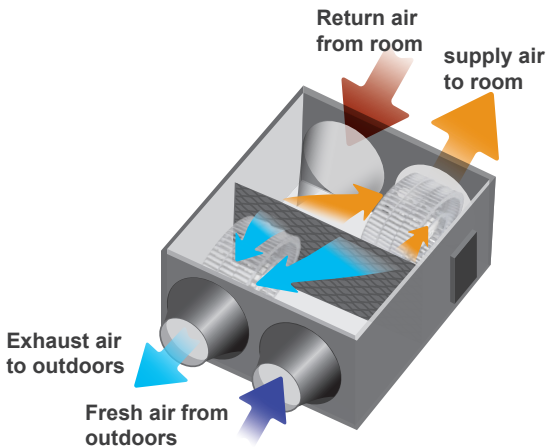
HRV-Heat Recovery Ventilator

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

Units with a voltage range of 220V~240V are equipped with a 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.

When the power supply is 380V 3N~/50Hz, only has ON/OFF function.



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.

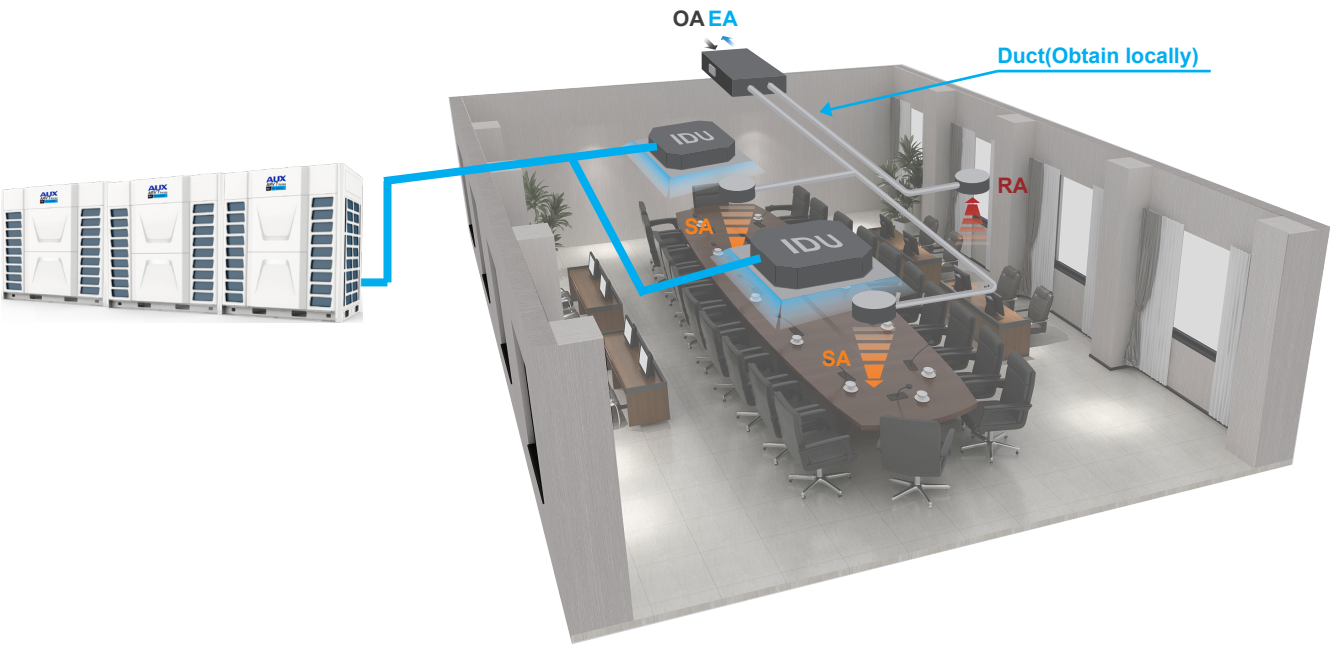
Heat exchanging mode (Hi/Mid/Low fan speed can be chosen)

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

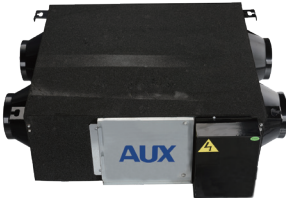
Auto mode

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.

Remark:only available for HRV-200~1000.



HRV



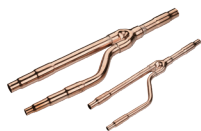
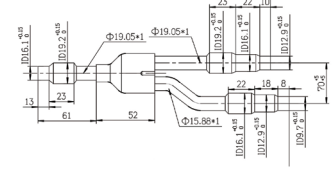
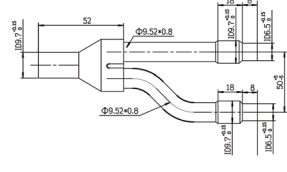
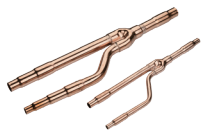
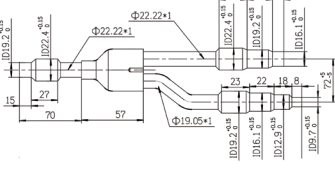
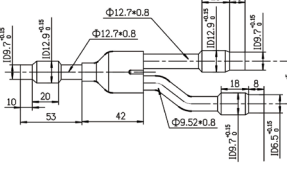
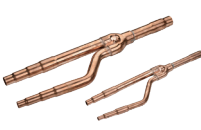
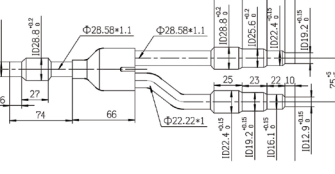
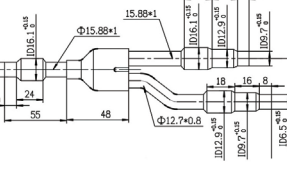
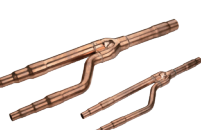
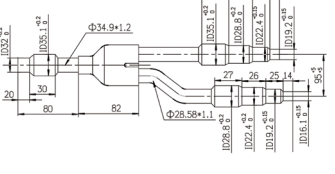
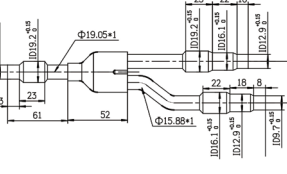
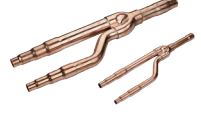
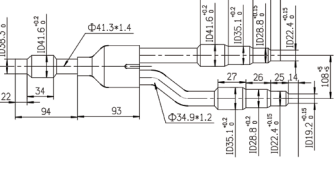
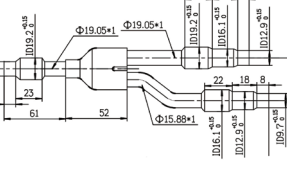
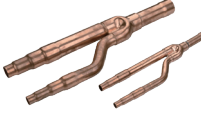
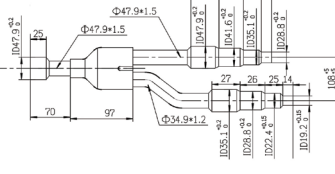
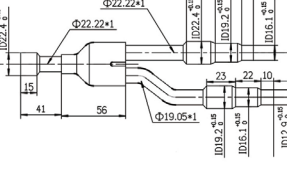
Specification-HRV

Model		AHRV-200/4	AHRV-300/4	AHRV-400/4	AHRV-500/4	AHRV-600/4	AHRV-800/4	AHRV-1000/4
Volume	m3/h	200	300	400	500	600	800	1000
	CFM	118	176	235	294	353	471	588
External static pressure	Pa	75	75	80	80	90	100	130
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
	Power Input	W	65	120	200	220	242	410
Cooling	Temp. Efficiency	%	60	60	60	60	60	60
	Enthalpy Efficiency	%	50	50	50	50	50	50
Heating	Temp. Efficiency	%	65	65	65	65	65	65
	Enthalpy Efficiency	%	55	55	55	55	55	55
Noise Level	dB(A)	37	39	40	41	41	43	45
Flange	mm	¢ 144	¢ 144	¢ 144	¢ 194	¢ 194	¢ 243	¢ 243
Net Weight	kg	25	27	30	41	41	68	82
Net Dimension(WxDxH)	mm	848×654×264	926×722×270	926×927×270	1018×1024×270	1018×1024×270	1274×1007×388	1274×1257×388
Gross Dimension(WxDxH)	mm	910×710×405	985×775×405	985×980×405	1085×1080×405	1085×1080×405	1335×1055×533	1345×1315×548

Specification-HRV

Model		AHRV-1500/5	AHRV-2000/5	AHRV-2500/5	AHRV-3000/5	AHRV-4000/5	AHRV-5000/5
Volume	m3/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
	Power Input	W	1000	1200	2000	2100	2400
Cooling	Temp. Efficiency	%	60	60	60	60	60
	Enthalpy Efficiency	%	50	50	50	50	50
Heating	Temp. Efficiency	%	65	65	65	65	65
	Enthalpy Efficiency	%	55	55	55	55	55
Noise Level	dB(A)	52	60	62	64	66	68
Flange	mm	320x300	320x300	320x300	320x300	323x253	500x690
Net Weight	kg	200	225	240	270	265	280
Net Dimension(WxDxH)	mm	1600×1270×540	1650×1470×540	1710×1400×600	1700×1630×640	1725×1450×1050	1820×1780×1050
Gross Dimension(WxDxH)	mm	1668×1331×720	1770×1550×665	1770×1550×665	1760×1750×770	1785×1510×1180	1880×1840×1150

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)
AFG-00B	300x95x40	0.31/0.35
AFG-12B	330x100x40	0.44/0.49
AFG-24B	370x115x45	0.71/0.77
AFG-34B	440x140x50	1.11/1.20
AFG-50B	480x160x65	1.65/1.76
AFG-64B	480x160x65	1.88/1.98

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

Project Reference

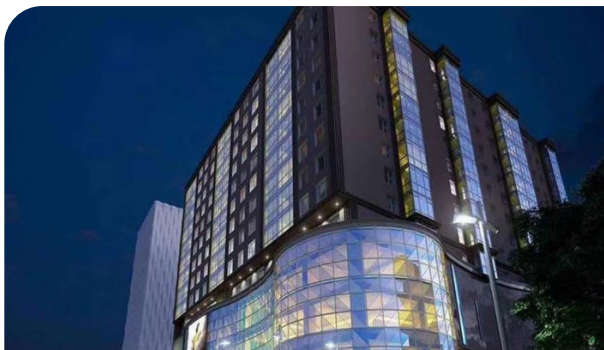
	CTTI Building	
	Country: City: Capacity Equipment: Date:	Pakistan Islamabad 1648KW DC Inverter VRF(ARV6) 08-2018
	Izumi Office building	
	Country: City: Capacity Equipment: Date:	Burma Yangon 150KW DC Inverter VRF(ARV6) 03-2019
	Solar rays building	
	Country: City: Capacity Equipment: Date:	Burma Yangon 210KW DC Inverter VRF(ARV6) 08-2018
	EXPO 2021	
	Country: City: Capacity Equipment: Date:	UAE Dubai 1176KW DC Inverter VRF(MINI ARV) 09-2019

Project Reference



Shopping Mall

Country:	Uzbekistan
City:	Tashkent
Capacity	500KW
Equipment:	DC Inverter VRF(ARV6)
Date:	10-2020



GEM MALL

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



ACTOR STUDIO

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



National Energy Administration

Country:	Uzbekistan
City:	Tashkent
Capacity	400KW
Equipment:	DC Inverter VRF(ARV6)
Date:	10-2020

Project Reference



Unicaf University

Country:	Cyprus
City:	Larnaca
Capacity	540KW
Equipment:	DC Inverter VRF(ARV6)
Date:	09-2020



Distribution Centre

Country:	Russia
City:	Vladivostok
Capacity	1730KW
Equipment:	ARV6
Date:	2022



Hotel

Country:	Russia
City:	St.Petersburg
Capacity	1055KW
Equipment:	ARV6
Date:	2022

Modular Chiller&FCU

► Feature



Efficiency



Multi-module
combination



Intelligent
control



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.

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.

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.



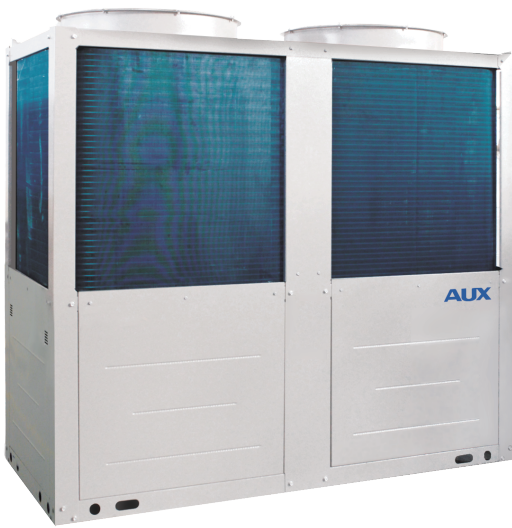
Auto Restart Function
If the air conditioner breaks off unexpectedly due to the power cut, it will restart with the previous setting mode automatically when the power resume.



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

Product Lineup

Modular Chiller



H Type
65/130kW

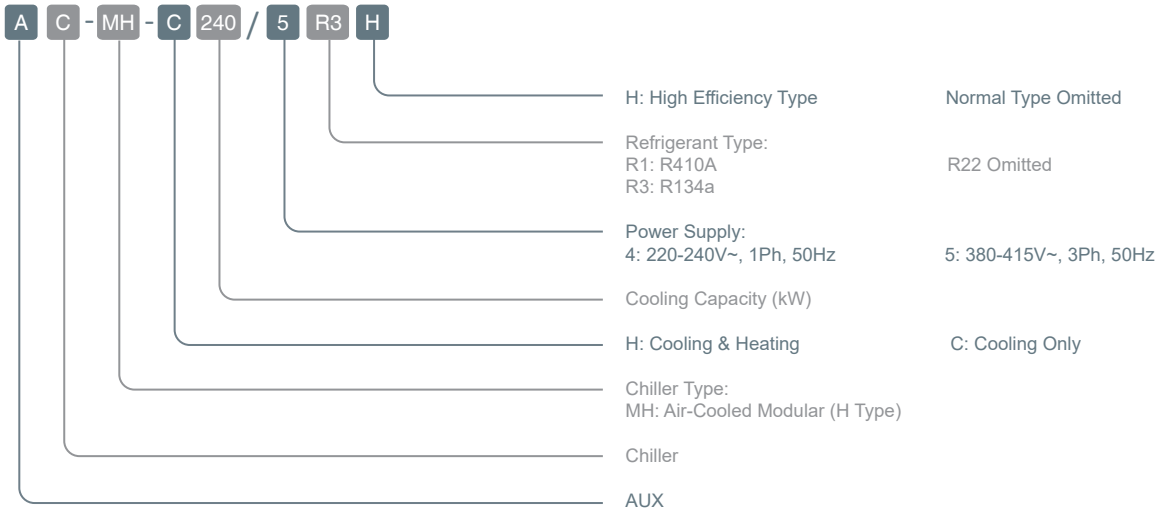


H Type
30kW

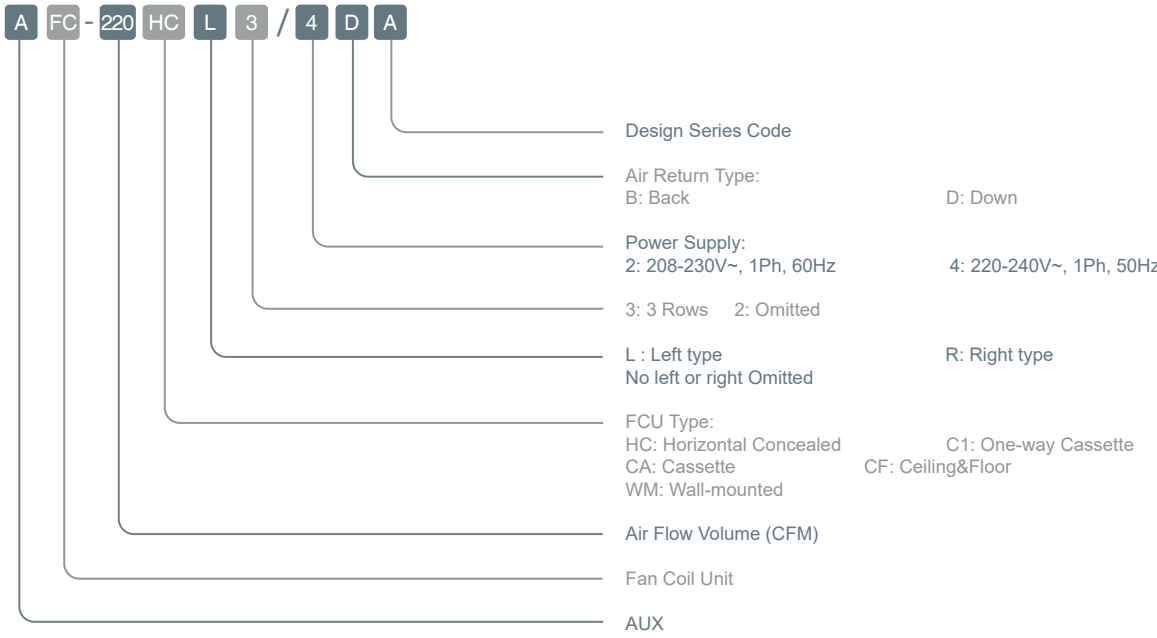
FCU		Appearance	Type	200CFM	300CFM	400CFM	500CFM	600CFM	800CFM	1000CFM	1200CFM	1400CFM
Cassette		50HZ										
Horizontal Concealed		50HZ (A6 Series)										
		50HZ (A6M Series)										
Wall-mounted		50HZ										

Nomenclature

Chiller



FCU



H TYPE MODULAR CHILLER

Feature

► Module combination

- 1.Capacity range~30~2080kW Modular design, Flexible combination.
- 2.Up to 16 units can be combined in one system.

$$\begin{aligned}
 &30\text{kW} + \dots + 30\text{kW} \quad (16\text{units}) = 480\text{kW} \\
 &65\text{kW} + \dots + 65\text{kW} \quad (16\text{units}) = 1040\text{kW} \\
 &130\text{kW} + \dots + 130\text{kW} \quad (16\text{units}) = 2080\text{kW}
 \end{aligned}$$

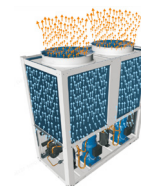
► Module back-up function

When one module of the combination is faulty or maintained, the other modules run normally.



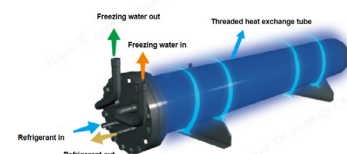
► High efficient air-side fin design heat exchanger

The fluent software to simulate air flow calculation, optimize the heat exchanger tube spacing and fin spacing, high efficiency round design heat exchanger, the area of return air and copper tube, fin is larger, the heat exchange efficiency is higher.



► High efficient water-side spiral tube heat exchanger

The threaded heat exchanger is used inside, and the efficiency is 15% higher than that of normal heat exchanger.



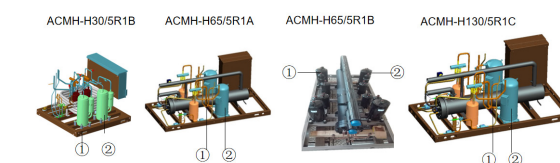
► Module alternate technique

Automatically setting priority open compressor and priority open module, balancing the running time, ensure that running time is the same, prolong the service life of the unit.



► System back-up function

If some problem happen to one system, the other part can still operate normally. When the load is low, only one system is applied, the energy efficiency is higher.



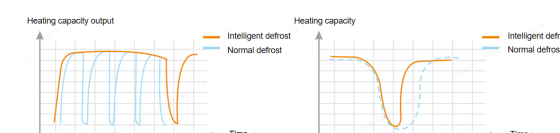
► Internal thread copper pipe and anti-corrosion hydrophilic aluminum fin

- 1.Thread design, the inner surface is groove-like, more fully in contact with the refrigerant, better heat exchange effect.
- 2.Using high efficient corrosion hydrophilic aluminum fin, not easy to frost, increase the speed of the condense/frost water flow, increase the heat exchange efficiency 10%, also enhance the corrosion resistance and oxidation resistance.



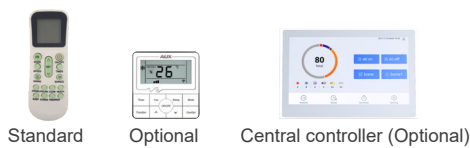
► Intelligent defrost

Detecting multiple temperature sensor to judgment the defrost degree, accurately grasp the defrosting time, Make sure to defrost when frosting and heat when not frosting.





Fan Coil Unit CASSETTE



► 5-fold exchanger

The evaporator adopts a 5-fold evaporator, which has a larger heat exchange area and a 12% increase in heat exchange efficiency compared to traditional 4-fold evaporators



► Round-way air supply

Round flow panel make the air diffuse from 360°direction, and the temperature distribution is more uniform.



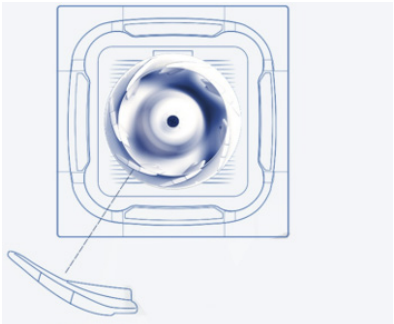
► long distance air supply

The air supply distance reaches 4m, meeting the air supply requirements for tall spaces.



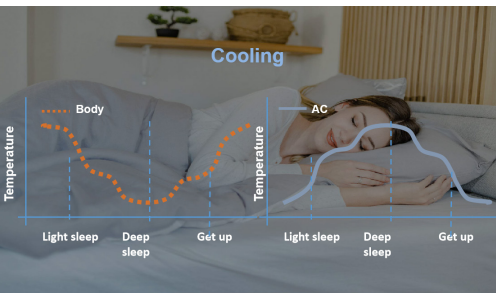
► Big air volume

Adopting a large-diameter spiral wind wheel for larger air volume and lower noise.

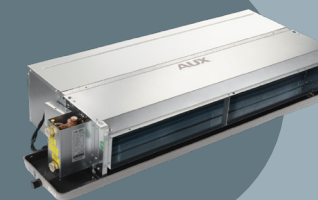


► Sleeping mode

Turn on sleep mode at night, no need to worry about being too cold or too hot, and sleep comfortably all night long.



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.



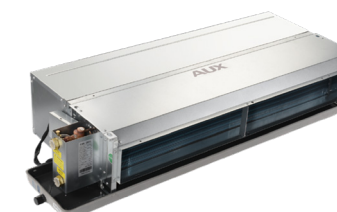
► Pipe Connecting Direction Free Choice

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



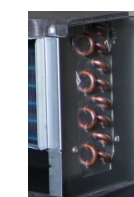
► Adjustable ESP

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



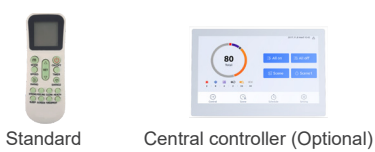
► External Static Pressure

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





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.

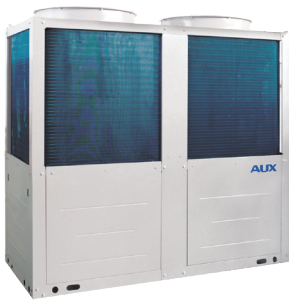
► Two Way Valve& Three Way Valve (Optional)



Two way valve

Three way valve

H Type Modular Chiller



Specification-R410A 50Hz

Model name	Outdoor		ACMH-H30/5R1B	ACMH-H65/5R1A	ACMH-H65/5R1B	ACMH-H130/5R1C
Capacity	Cooling/Heating	Btu/h	100000/110000	222000/242000	222000/242000	443500/477700
		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/Heaying Current	A	17.7/18.0	36.3/38.9	36.3/38.9	72.6/81.9
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	m³/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 tube in tube heat exchanger
	Water Resistance	kPa	45	45	45	45
	Water Flow Volume	m³/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-H130/5R1C 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

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
	m³/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		m³/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
	m³/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		m³/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	950x950x55	950x950x55	950x950x55	950x950x55
	Packing(Panel)	mm	1000x1000x100	1000x1000x100	1000x1000x100	1000x1000x100
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.

Horizontal Concealed FCU



Specification-50Hz A6 Series

Model		Left (Right)	AFC-200HCL(R)/4BA6	AFC-300HCL(R)/4BA6※	AFC-400HCL(R)/4BA6※	AFC-500HCL(R)/4BA6	AFC-600HCL(R)/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)			256/585/648	192/468/520	192/468/520	176/396/440	160/396/440

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-200HCL(R)/4BA6M	AFC-300HCL(R)/4BA6M	AFC-400HCL(R)/4BA6M	AFC-500HCL(R)/4BA6M	AFC-600HCL(R)/4BA6M
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			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		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	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)			256/585/648	192/468/520	192/468/520	176/396/440	160/396/440

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
		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		2	2	2	2
	Power Input	W	156	174	212	253
Water Flow Volume		m³/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



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
		m³/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
		m³/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 (WxD×H)	Net	mm	970×315×235	970×315×235	1100×330×235
	Packing	mm	1010×380×300	1010×380×300	1140×390×300
Net/Gross Weight		kg	15/17	16/18	20/23
Inlet/Outlet Water Pipe			Rc1/2"(DN15)		
Drain Pipe			R1/2"(DN15)		
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

► Chiller Controller

► FCU controller



XK-06



XK-05-DY



YK-K



XK-05

► FCU Central controller



CC-02 Controller
Max 64 FCU



CM-MTD/AM01(NEW gateway)
1 Gateway matches 1 FCU

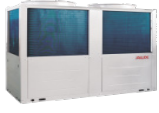
► Chiller MODBUS control



CM-MTD/AM01



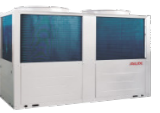
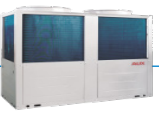
.....



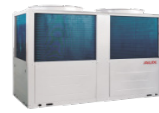
Max . 16



CM-MTD/AM01



.....



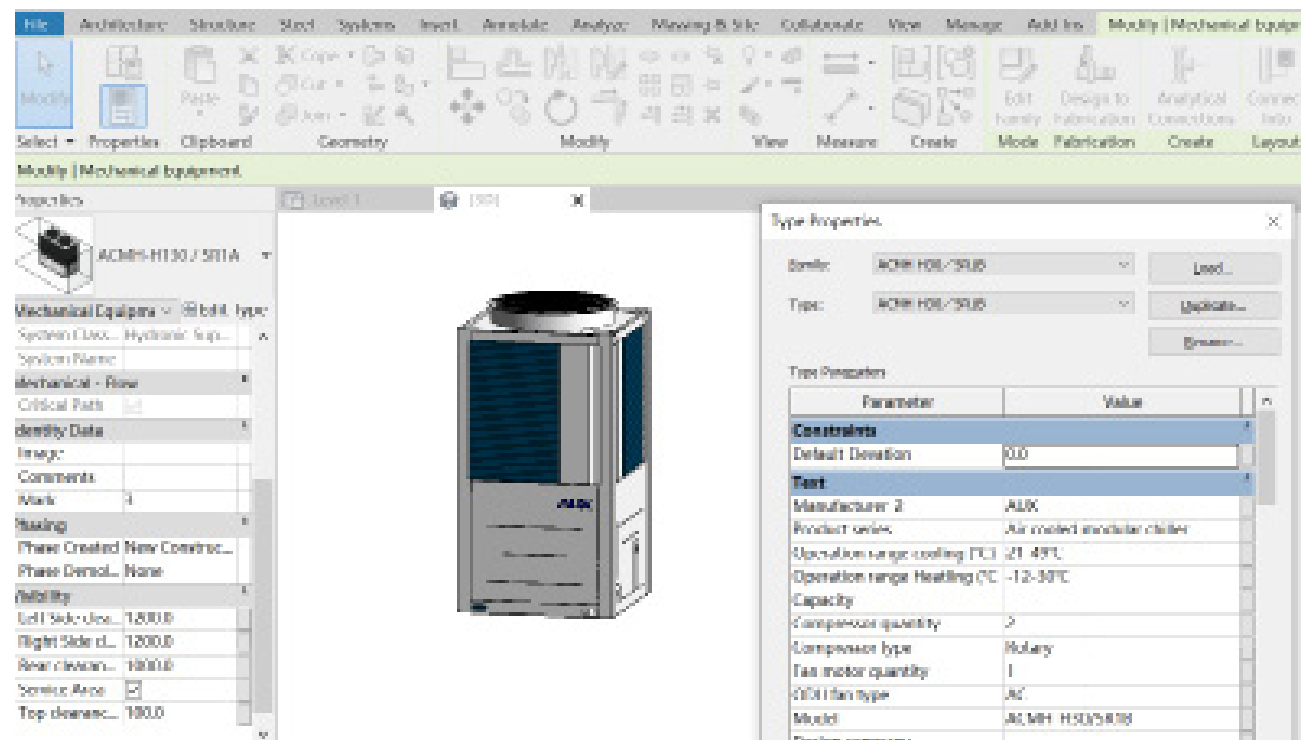
Max . 16

Max .255

Revit Models Series

► Revit Models Series

AUX revit is developed to make 3D design (shows Electrical Connector+Pipe Connectors +Produce parameter) of AUX products easier than the previous program. It enables engineers to check 3D images from design stage and prevents possible issues of the installation stage.



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



Sanatorium	
Country:	Uzbekistan
City:	Tashkent
Capacity:	1300kW
Equipment:	Modular Chiller
Date:	10-2020



Russia - My History Museum	
Country:	Russia
City:	Makhachkala
Capacity:	1380kW
Equipment:	Modular Chiller
Date:	09-2019