AUX
COMMERCIAL AIR CONDITIONER



AUX CAC

aux_rac_china

Official Accounts

NINGBO AUX ELECTRIC CO.,LTD

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

AFRICA

VRF SYSTEM

COMMERCIAL AIR CONDITIONER

2024

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

1994
Started RAC Business

2003
Entered The CAC Field

2004
Got CNAS Certification

2007
Launched Digital Scroll ARV System

2011
Launched DC Inverter VRF System Globally

2016
Launched All DC Inverter ARV 5X Globally

2019
Launched All DC Inverter ARV 6 Globally

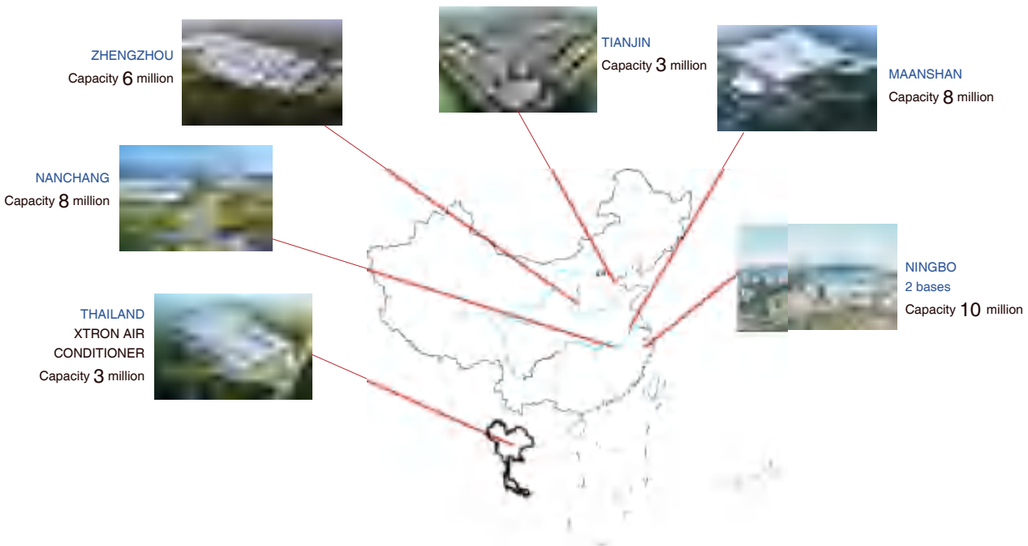
2021
Became the official air-conditioned supplier of the 19th Asian Games in Hangzhou in 2022

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



International Design Excellence Awards



Technological Invention Award



Good Product Award



Quality Leader Brand



Golden Reputation



Excellent Design Award

HONOR



Demonstration enterprise



Gold Award



Pilot enterprise



Vice Chairman Unit

CERTIFICATION

ETL

CE

EAC

AHRI

CB



ESMA





ROHS



EUROVENT

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 fow 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 unexpect edly due to the power cut, it will restart with the previous setting mode automati cally when the power resume.

Product Lineup

Mini VRF Outdoor Unit

Capacity(kW)		8	10	12	14	16	18	20	22	25.2	26	28	33.5
ARV Mini		●	●	●	●	●	●	●	●	●	●	●	●

Modular VRF Outdoor Unit

ARV 7: Scroll series　　ARV 7S: Rotary series

Capacity		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
	(kW)															
	(HP)	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36
		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

8/10/12HP（25.2/28/33.5kW）



14/16HP（40/45kW）



18/20/22HP（50.4/56/61.5kW）



24/26/28/30/32/34/36HP（68-101kW）



38-72HP（108-202kW）



74-108HP（209-303kW）



110-144HP（309-404kW）



Product Lineup

Indoor Unit(DC)

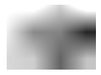
Capacity(kW)	Appearance	2.2	2.8	3.6	4.5	5.6	7.1	8.0	9.0	10.0	11.2	12.5	14.0	15.0	16.0
Compact Cassette			●	●	●	●									
Cassette			●	●	●	●	●	●	●	●	●	●	●		
Slim Duct		●	●	●	●	●	●								
Mid ESP Duct					●	●	●	●	●	●	●	●	●	●	●
Wall-mounted		●	●	●	●	●	●								
Ceiling&Floor					●	●	●	●	●	●	●	●	●		

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

Indoor Unit (AC)

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	16.0
Cassette							●	●	●	●	●	●	●		
Slim Duct		●	●	●	●	●	●								
Mid ESP Duct					●	●	●	●	●	●	●	●	●	●	●
High ESP Duct											●	●	●	●	

AHU Kit

Mode	Appearance	ARVK-01A	ARVK-02A
ARVK		●	●

Heat Recovery Ventilator

Air Volume(m^3/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

- A — AUX Refrigerant Variable AC
- CA — Indoor Unit Type:
  C1: One-Way Cassette
  C2: Two-Way Cassette
  CA: Four-Way Cassette
  CF: Ceiling&Floor
  SD: Slim Duct
  MD: Mid ESP Duct
  HD: High ESP Duct
  WM: Wall-Mounted
  FA: Fresh Air Processer
- H — H: Cooling & Heating; C: Cooling Only
- 028 — Cooling Capacity (×100W)
- 4 — Power Supply:
  2: 220-240V~, 1Ph, 60Hz
  4: 220-240V~, 1Ph, 50Hz
  5: 380-415V~, 3Ph, 50Hz
  6: 380-415V~, 3Ph, 60Hz
  9: 208-230V~, 3Ph, 60Hz
  N: 220-240V~, 1Ph, 50/60Hz
  S: 380-415V~, 3Ph, 50/60Hz
- R1 — Refrigerant Type:
  R1: R410A.
  R22 Omitted
- A — Design Series Code

Outdoor Unit

ARV T - H 280 / 4 R1 M A

- A — Design Series Code
- M — M: Modular Outdoor Unit; Non- Modular Omitted
- R1 — Refrigerant Type:
  R1: R410A.
  R22 Omitted
- 4 — Power Supply:
  2: 220-240V~, 1Ph, 60Hz
  4: 220-240V~, 1Ph, 50Hz
  5: 380-415V~, 3Ph, 50Hz
  6: 380-415V~, 3Ph, 60Hz
  9: 208-230V~, 3Ph, 60Hz
  N: 220-240V~, 1Ph, 50/60Hz
  S: 380-415V~, 3Ph, 50/60Hz
- 280 — Cooling Capacity (×100W)
- H — H: Cooling & Heating; C: Cooling Only
- T — Climate Class:
  T: Tropical High Efficiency Type
- ARV — AUX Refrigerant Variable AC



Feature (ARV 7 / ARV 7S)

VER Technology

▶ Variable Energy-efficiency Regulation

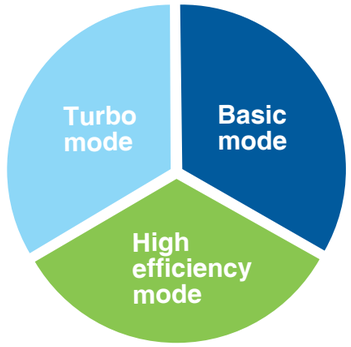
Evaporating and condensing temperature makes strong effect to the cooling and heating performance and energy-efficiency ratio of AC system.
Thanks to VER technology, ARV7 series has various modes with different refrigerant temperature which lead the system to different performance and energy-efficiency 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.

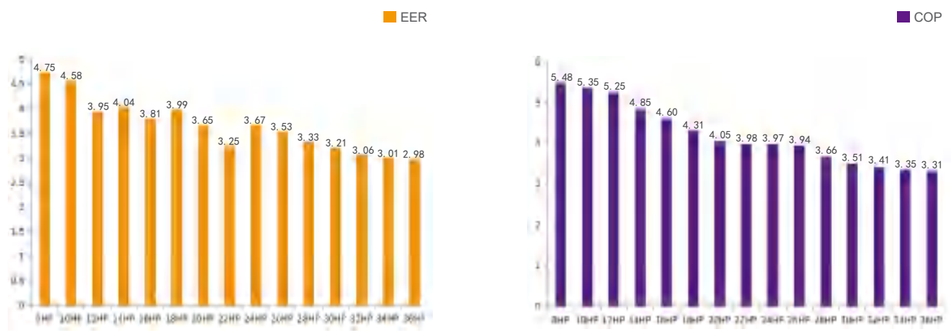


Users can choose a certain mode according to the actual need in different area and climate, so that the system can satisfy various requirement, and the seasonal efficiency can be optimized.

High Efficiency and Energy Saving

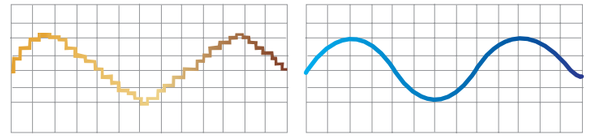
▶ High EER And COP

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

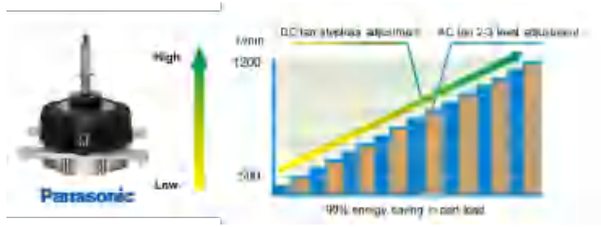
DC inverter compressor users 180° sine wave vector control technique makes motor operate smooth and increases the efficiency. significantly compared with traditional sawtooth wave. It also can lower the noise level.



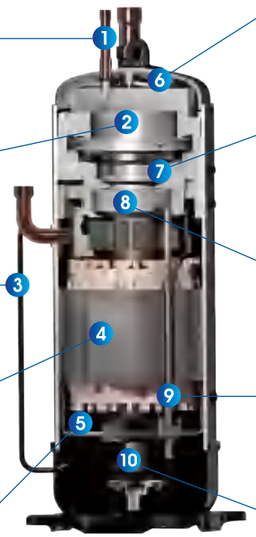
Traditional Control　　180° Sine Wave DC Control

▶ 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.



▶ Enhanced Vapor Injection DC Inverter Compressor (Only for ARV 7)



EVI-Enhanced vapor injection

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

Optimize the asymmetric vortex design

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

Dynamic oil balance structure

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

High efficiency motor configuration

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

High pressure cavity structure

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

Pressure relief valve structure

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

The intermediate pressure servo mechanism

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

High reliability of the bearing

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

Internal oil circulation structure

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

Positive displacement gear oil pump

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

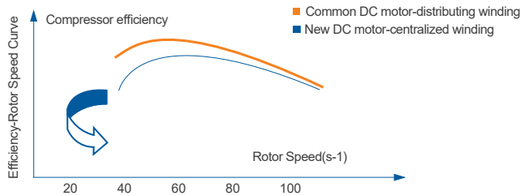
▶ High-efficient permanent magnetic motors are installed, giving better performance than traditional DC inverter compressors.



Centralizing winding



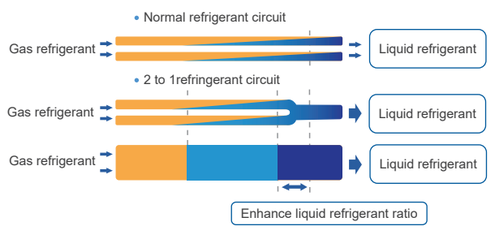
Distnbutin winding



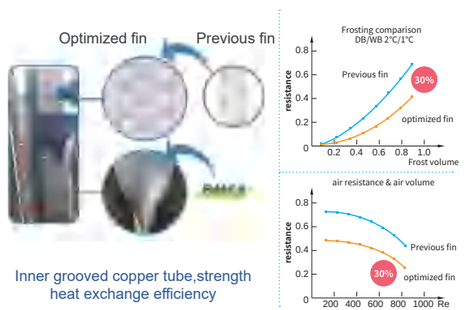
Powerful magnets provide high torque and efficiency and achieve 70% reduction in volume.

▶ High Efficient Heat Exchanger

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



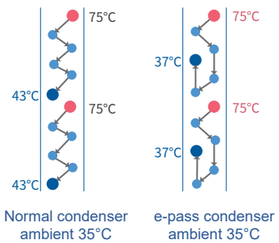
▶ Optimized fin design, reduces the water resistance and the wind resistance.



Inner grooved copper tube,strength heat exchange efficiency

▶ 2-stage Sub-cooling Technology

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



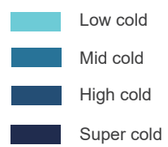
Normal condenser ambient 35°C

e-pass condenser ambient 35°C



"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.



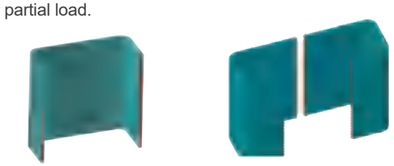
Fan anticipation energy-saving adjustment technology

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

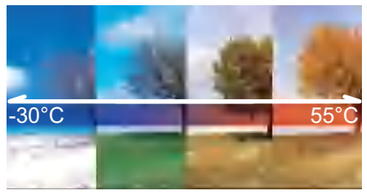
▶ Large Capacity&Free Combination

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.



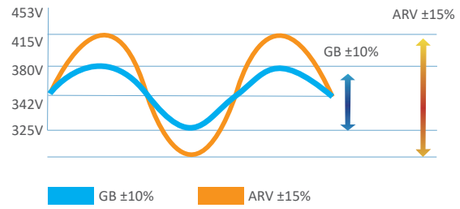
▶ Wide Operation Range

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



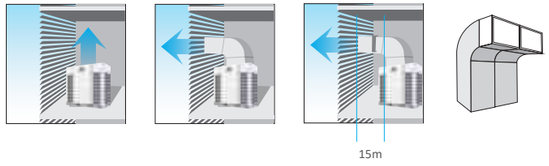
▶ Wide Voltage Design

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.

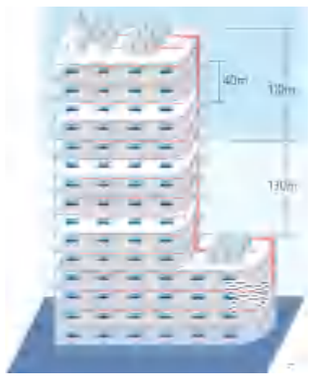


▶ Long Piping Length

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

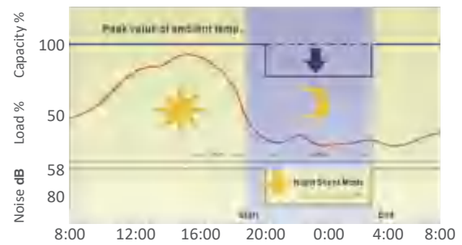
*The longest length after first branch is 40m as standard can be extended to up to 90m under certain conditions.Please contact your local dealer for further information.



Comfortable And Healthy Environment

▶ 12 levels silent modes

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



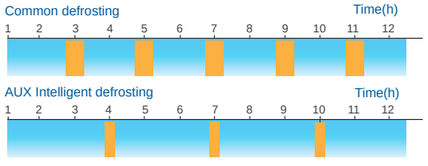
Indoor Unit Quiet Mode

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.

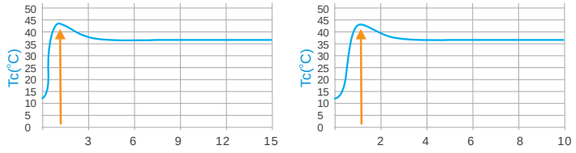




Normal air conditioner ARV 7

▶ 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.



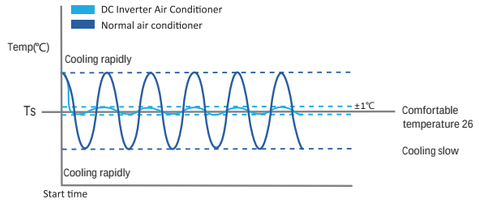
Capacity reaches 100% in 50s
10HP

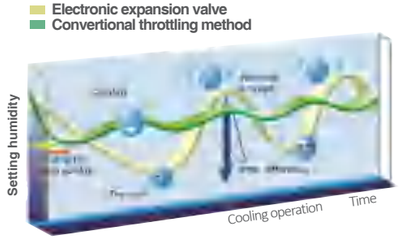
Capacity reaches 100% in 70s
48HP

▶ 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 ± 0.5°C, and bid farewell to sudden cold and heat.







▶ Humanization Design

VIP Function

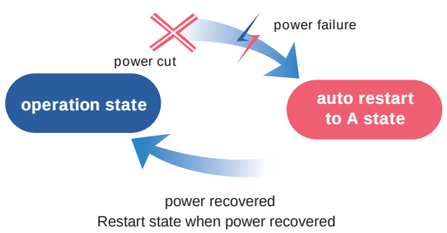
Special VIP control function, the VIP room will decide the whole system operation mode, prior to other mode or economic locking function, ensure the priority of the important room.



Auto Restart Function

The AC can automatically memorize the operation setting when power is cut off accidently. 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.

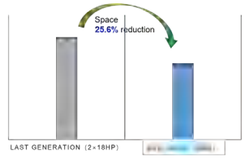


Easy Installation & Maintenance

▶ Installation space saving

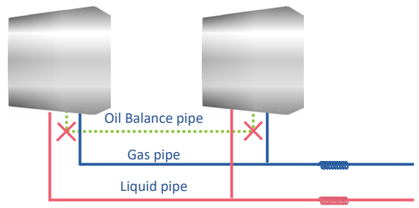
The ARV 7 Series has larger capacity and smaller size, the capacity of the single unit can reach 36HP. For many large projects, the benefits of space-saving are particularly obvious.





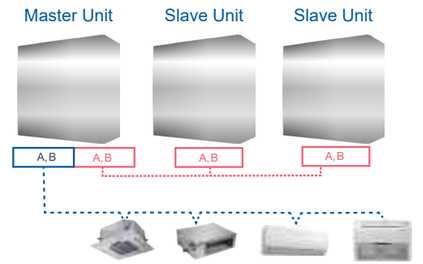
▶ No Oil Balance Pipe Between ODUS

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



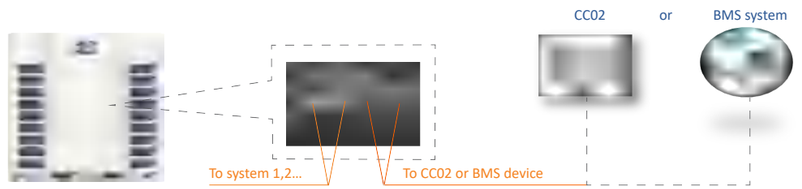
▶ Non-Polar Communication

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



▶ Centralized controller without Mini gateway(Capacity≥68kW)

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

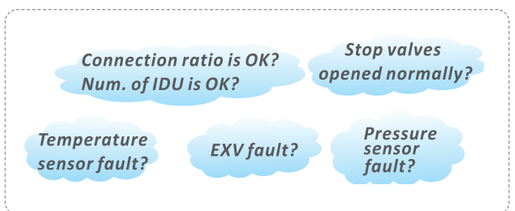


Same function: CC02(Max.64 systems&256 indoor units); MODBUS(Max.255 systems)

▶ Auto Commissioning

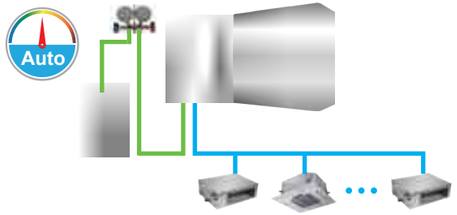
When commissioning, the outdoor mainboard can check the operation state and show the corresponding error code in engineering mode.

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



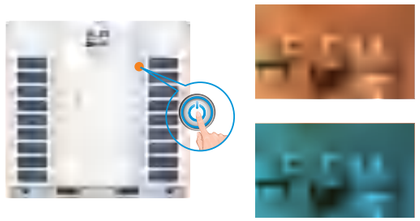
▶ Auto Refrigerant Recycling& Auto Refrigerant Charging

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.



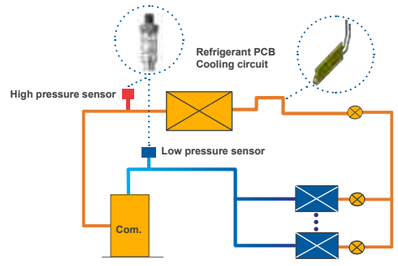
▶ EPS(emergency power source) control



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.

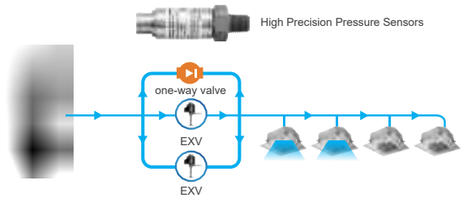


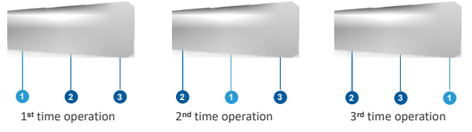
▶ Module Alternate Operation

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.

▶ 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.

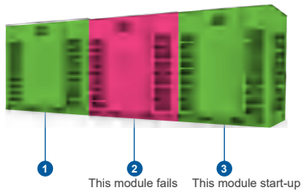




▶ Back-Up Operation Technology

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.


Running

Failure or downtime Start-up

Fan motor backup.

Allowing time for maintenance or repair while comfort remains guaranteed.


Failure Back-up running

▶ All-round 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

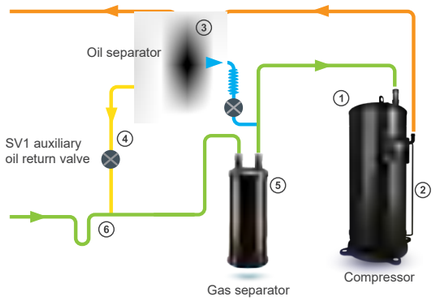
Monitor compressor running state and running time, computing system reasonable oil return time.

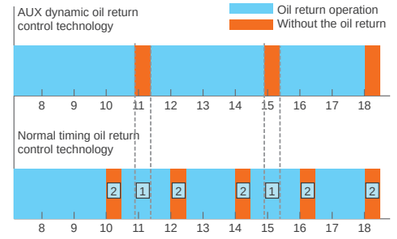
6-Step Oil Separating Technology

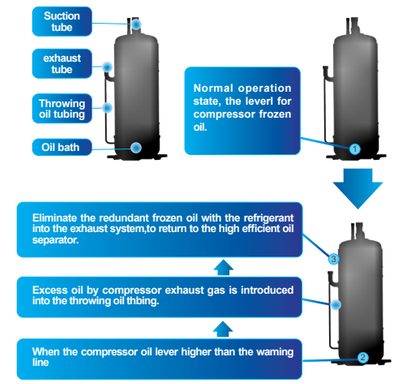
Completely solve the problem of oil, the system more stable and reliable

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.







▶ 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 / ARV 7S Series



Flexible Outdoor Unit Combination															
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
kW	HP	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36
108	38				★					★						
113	40				★						★					
118	42					★					★					
123.4	44						★				★					
129	46							★			★					
134.5	48								★		★					
141	50									★	★					
146	52										★★					
151.4	54						★									★
157	56							★								★
162.5	58								★							★
169	60									★						★
174	62										★					★
179.5	64											★				★
186	66												★			★
191	68													★		★
196.2	70														★	★
202	72															★★
209	74				★					★						★
214	76				★						★					★
219	78					★					★					★
224.4	80						★				★					★
230	82							★			★					★
235.5	84								★		★					★
242	86									★	★					★
247	88										★★					★
252.4	90						★									★★

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

ARV 7 / ARV 7S Series



Flexible Outdoor Unit Combination															
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
kW	HP	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36
258	92							★								★★
263.5	94								★							★★
270	96									★						★★
275	98										★					★★
280.5	100											★				★★
287	102												★			★★
292	104													★		★★
297.2	106														★	★★
303	108															★★★
309	110										★★★			★		
314.5	112										★★	★		★		
321	114										★★		★	★		
326	116										★★			★★		
331.5	118										★	★		★★		
338	120										★		★	★★		
343	122										★			★★★		
348.5	124											★		★★★		
355	126												★	★★★		
360	128													★★★★		
364.5	130										★					★★★
371	132										★					★★★
376	134										★					★★★
381.5	136										★					★★★
388	138										★					★★★
393	140										★					★★★
398.2	142										★				★	★★★
404	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
Combination	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
Combination	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
Combination	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
Combination	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.

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

HP			38	40	42	44	46
Model			ARV-H1080/SR1MV	ARV-H1130/SR1MV	ARV-H1180/SR1MV	ARV-H1234/SR1MV	ARV-H1290/SR1MV
Combination		HP	14+24	14+26	16+26	18+26	20+26
Capacity	Cooling	kW	108	113	118	123.4	129.0
	Heating	kW	115	121.5	126.5	131.9	137.5
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	380~415,50/60,3
	Cooling Input	kW	28.42	30.6	32.52	33.33	36.04
	EER	W/W	3.80	3.69	3.63	3.70	3.58
	Heating Input	kW	27.15	28.94	30.47	32.38	34.52
	COP	W/W	4.24	4.20	4.15	4.07	3.98
Performance	Air Flow Volume	m3/h	14000+29000	14000+29000	14000+29000	16000+29000	16000+29000
	Sound Pressure level	dB(A)	≤62	≤62	≤62	≤63	≤63
Compressor	Type		DC Inverter	DC Inverter	DC Inverter	DC Inverter	DC Inverter
	Quantity		3	3	3	4	4
Fan Motor	Type		DC motor	DC motor	DC motor	DC motor	DC motor
	Fan Quantity		4	4	4	4	4
Max.No.of Indoor Units		unit	64	64	64	64	64
Connection Ration		%	50~200	50~200	50~200	50~200	50~200
Dimension(W×D×H)	Net	mm	1340×765×1635 1850×825×1760	1340×765×1635 1850×825×1760	1340×765×1635 1850×825×1760	1340×765×1635 1850×825×1760	1340×765×1635 1850×825×1760
	Packing	mm	1395×815×1865 1925×930×1930	1395×815×1865 1925×930×1930	1395×815×1865 1925×930×1930	1395×815×1865 1925×930×1930	1395×815×1865 1925×930×1930
Weight	Net	kg	265+388	265+388	265+388	330+388	330+388
	Gross	kg	280+411	280+411	280+411	345+411	345+411
Refrigerant Piping	Max. Length	m	1000	1000	1000	1000	1000
	Max. Height	m	110/130	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	-15~55/-30~24

ARV7 Series 380~415V -50/60Hz

HP			56	58	60	62
Model			ARV-H1570/SR1MV	ARV-H1620/SR1MV	ARV-H1690/SR1MV	ARV-H1740/SR1MV
Combination		HP	20+36	22+36	24+36	26+36
Capacity	Cooling	kW	157.0	162.5	169.0	174.0
	Heating	kW	168.0	173.5	187	193.5
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	49.26	52.82	52.44	54.62
	EER	W/W	3.19	3.08	3.22	3.19
	Heating Input	kW	47.67	49.28	52.74	54.53
	COP	W/W	3.52	3.52	3.55	3.55
Performance	Air Flow Volume	m3/h	16000+30000	16000+30000	29000+30000	29000+30000
	Sound Pressure level	dB(A)	≤66	≤66	≤66	≤66
Compressor	Type		DC Inverter	DC Inverter	DC Inverter	DC Inverter
	Quantity		4	4	4	4
Fan Motor	Type		DC motor	DC motor	DC motor	DC motor
	Fan Quantity		4	4	4	4
Max.No.of Indoor Units		unit	64	64	64	64
Connection Ration		%	50~200	50~200	50~200	50~200
Dimension(W×D×H)	Net	mm	"1340×765×1635 1850×825×1760"	"1340×765×1635 1850×825×1760"	(1850×825×1760)×2	(1850×825×1760)×2
	Packing	mm	"1395×815×1865 1925×930×1930"	"1395×815×1865 1925×930×1930"	(1925×930×1930)×2	(1925×930×1930)×2
Weight	Net	kg	330+430	330+430	388+430	388+430
	Gross	kg	345+453	345+453	411+453	411+453
Refrigerant Piping	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

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

HP			48	50	52	54
Model			ARV-H1345/SR1MV	ARV-H1410/SR1MV	ARV-H1460/SR1MV	ARV-H1514/SR1MV
Combination		HP	22+26	24+26	26×2	18+36
Capacity	Cooling	kW	134.5	141.0	146.0	151.4
	Heating	kW	143.0	156.5	163.0	162.4
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	39.6	39.22	41.4	46.55
	EER	W/W	3.40	3.60	3.53	3.25
	Heating Input	kW	36.13	39.59	41.38	45.53
	COP	W/W	3.96	3.95	3.94	3.57
Performance	Air Flow Volume	m3/h	16000+29000	29000×2	29000×2	16000+30000
	Sound Pressure level	dB(A)	≤63	≤62	≤62	≤66
Compressor	Type		DC Inverter	DC Inverter	DC Inverter	DC Inverter
	Quantity		4	4	4	4
Fan Motor	Type		DC motor	DC motor	DC motor	DC motor
	Fan Quantity		4	4	4	4
Max.No.of Indoor Units		unit	64	64	64	64
Connection Ration		%	50~200	50~200	50~200	50~200
Dimension(W×D×H)	Net	mm	"1340×765×1635 1850×825×1760"	(1850×825×1760)×2	(1850×825×1760)×2	"1340×765×1635 1850×825×1760"
	Packing	mm	"1395×815×1865 1925×930×1930"	(1925×930×1930)×2	(1925×930×1930)×2	"1395×815×1865 1925×930×1930"
Weight	Net	kg	330+388	388×2	388×2	330+430
	Gross	kg	345+411	411×2	411×2	345+453
Refrigerant Piping	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

ARV7 Series 380~415V -50/60Hz

HP			64	66	68	70
Model			ARV-H1795/SR1MV	ARV-H1860/SR1MV	ARV-H1910/SR1MV	ARV-H1962/SR1MV
Combination		HP	28+36	30+36	32+36	34+36
Capacity	Cooling	kW	179.5	186.0	191.0	196.2
	Heating	kW	199.5	207.0	212.0	218.0
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	57.47	60.4	63.34	65.56
	EER	W/W	3.12	3.08	3.02	2.99
	Heating Input	kW	57.74	60.89	63.16	65.49
	COP	W/W	3.46	3.40	3.36	3.33
Performance	Air Flow Volume	m3/h	29000+30000	3000x2	3000x2	3000x2
	Sound Pressure level	dB(A)	≤66	≤66	≤66	≤66
Compressor	Type		DC Inverter	DC Inverter	DC Inverter	DC Inverter
	Quantity		4	4	4	4
Fan Motor	Type		DC motor	DC motor	DC motor	DC motor
	Fan Quantity		4	4	4	4
Max.No.of Indoor Units		unit	64	64	64	64
Connection Ration		%	50~200	50~200	50~200	50~200
Dimension(W×D×H)	Net	mm	(1850×825×1760)×2	(1850×825×1760)×2	(1850×825×1760)×2	(1850×825×1760)×2
	Packing	mm	(1925×930×1930)×2	(1925×930×1930)×2	(1925×930×1930)×2	(1925×930×1930)×2
Weight	Net	kg	388+430	422+430	422+430	430x2
	Gross	kg	411+453	445+453	445+453	543x2
Refrigerant Piping	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

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.

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

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

HP			72	74	76	78
Model			ARV-H2020/SR1MV	ARV-H2090/SR1MV	ARV-H2140/SR1MV	ARV-H2190/SR1MV
Combination		HP	36×2	14+24+36	14+26+36	16+26+36
Capacity	Cooling	kW	202.0	209.0	214.0	219.0
	Heating	kW	224.0	227.0	233.5	238.5
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	67.84	62.34	64.52	66.44
	EER	W/W	2.98	3.35	3.32	3.30
	Heating Input	kW	67.68	60.99	62.78	64.31
	COP	W/W	3.31	3.72	3.72	3.71
Performance	Air Flow Volume	m3/h	3000x2	14000+29000+30000	14000+29000+30000	14000+29000+30000
	Sound Pressure level	dB(A)	≤66	≤66	≤66	≤66
Compressor	Type		DC Inverter	DC Inverter	DC Inverter	DC Inverter
	Quantity		4	5	5	5
Fan Motor	Type		DC motor	DC motor	DC motor	DC motor
	Fan Quantity		4	6	6	6
Max.No.of Indoor Units		unit	64	64	64	64
Connection Ration		%	50~200	50~200	50~200	50~200
Dimension(W×D×H)	Net	mm	"1340×765×1635 (1850×825×1760)×2"	"1340×765×1635 (1850×825×1760)×2"	"1340×765×1635 (1850×825×1760)×2"	"1340×765×1635 (1850×825×1760)×2"
	Packing	mm	"1395×815×1865 (1925×930×1930)×2"	"1395×815×1865 (1925×930×1930)×2"	"1395×815×1865 (1925×930×1930)×2"	"1395×815×1865 (1925×930×1930)×2"
Weight	Net	kg	430x2	265+388+430	265+388+430	265+388+430
	Gross	kg	543x2	280+411+453	280+411+453	280+411+453
Refrigerant Piping	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

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

HP			80	82	84	86	88
Model			ARV-H2240/SR1MV	ARV-H2300/SR1MV	ARV-H2355/SR1MV	ARV-H2420/SR1MV	ARV-H2470/SR1MV
Combination		HP	18+26+36	20+26+36	22+26+36	24+26+36	26×2+36
Capacity	Cooling	kW	224.4	230.0	235.5	242.0	247.0
	Heating	kW	243.9	249.5	255.0	268.5	275
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	380~415,50/60,3
	Cooling Input	kW	67.25	69.96	73.52	73.14	75.32
	EER	W/W	3.34	3.29	3.20	3.31	3.28
	Heating Input	kW	66.22	68.36	69.97	73.43	75.22
	COP	W/W	3.68	3.65	3.64	3.66	3.66
Performance	Air Flow Volume	m3/h	16000+29000+30000	16000+29000+30000	16000+29000+30000	29000x2+30000	29000x2+30000
	Sound Pressure level	dB(A)	≤66	≤66	≤66	≤66	≤66
Compressor	Type		DC Inverter	DC Inverter	DC Inverter	DC Inverter	DC Inverter
	Quantity		6	6	6	6	6
Fan Motor	Type		DC motor	DC motor	DC motor	DC motor	DC motor
	Fan Quantity		6	6	6	6	6
Max.No.of Indoor Units		unit	64	64	64	64	64
Connection Ration		%	50~200	50~200	50~200	50~200	50~200
Dimension(W×D×H)	Net	mm	"1340×765×1635 (1850×825×1760)×2"	"1340×765×1635 (1850×825×1760)×2"	"1340×765×1635 (1850×825×1760)×2"	(1850×825×1760)×3	(1850×825×1760)×3
	Packing	mm	"1395×815×1865 (1925×930×1930)×2"	"1395×815×1865 (1925×930×1930)×2"	"1395×815×1865 (1925×930×1930)×2"	(1925×930×1930)×3	(1925×930×1930)×3
Weight	Net	kg	330+388+430	330+388+430	330+388+430	388x2+430	388x2+430
	Gross	kg	345+411+453	345+411+453	345+411+453	411x2+453	411x2+453
Refrigerant Piping	Max. Length	m	1000	1000	1000	1000	1000
	Max. Height	m	110/130	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	-15~55/-30~24

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

ARV7 Series 380~415V -50/60Hz

HP			90	92	94	96	98
Model			ARV-H2524/SR1MV	ARV-H2580/SR1MV	ARV-H2635/SR1MV	ARV-H2700/SR1MV	ARV-H2750/SR1MV
Combination		HP	18+36×2	20+36×2	22+36×2	24+36×2	26+36×2
Capacity	Cooling	kW	252.4	258.0	263.5	270.0	275.0
	Heating	kW	274.4	280.0	285.5	299.0	305.5
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	380~415,50/60,3
	Cooling Input	kW	80.47	83.18	86.74	86.36	88.54
	EER	W/W	3.14	3.10	3.04	3.13	3.11
	Heating Input	kW	79.47	81.61	83.22	86.68	88.47
	COP	W/W	3.45	3.43	3.43	3.45	3.45
Performance	Air Flow Volume	m3/h	16000+30000×2	16000+30000×2	16000+30000×2	29000+30000×2	29000+30000×2
	Sound Pressure level	dB(A)	≤66	≤66	≤66	≤66	≤66
Compressor	Type		DC Inverter	DC Inverter	DC Inverter	DC Inverter	DC Inverter
	Quantity		6	6	6	6	6
Fan Motor	Type		DC motor	DC motor	DC motor	DC motor	DC motor
	Fan Quantity		6	6	6	6	6
Max.No.of Indoor Units		unit	64	64	64	64	64
Connection Ration		%	50~200	50~200	50~200	50~200	50~200
Dimension(W×D×H)	Net	mm	"1340×765×1635 (1850×825×1760)×2"	"1340×765×1635 (1850×825×1760)×2"	"1340×765×1635 (1850×825×1760)×2"	(1850×825×1760)×3	(1850×825×1760)×3
	Packing	mm	"1395×815×1865 (1925×930×1930)×2"	"1395×815×1865 (1925×930×1930)×2"	"1395×815×1865 (1925×930×1930)×2"	(1925×930×1930)×3	(1925×930×1930)×3
Weight	Net	kg	330+430×2	330+430×2	330+430×2	388+430×2	388+430×2
	Gross	kg	345+453×2	345+453×2	345+453×2	411+453×2	411+453×2
Refrigerant Piping	Max. Length	m	1000	1000	1000	1000	1000
	Max. Height	m	110/130	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	-15~55/-30~24

ARV7 Series 380~415V -50/60Hz

HP			100	102	104	106	108
Model			ARV-H2805/SR1MV	ARV-H2870/SR1MV	ARV-H2920/SR1MV	ARV-H2972/SR1MV	ARV-H3030/SR1MV
Combination		HP	28+36×2	30+36×2	32+36×2	34+36×2	36×3
Capacity	Cooling	kW	280.5	287.0	292.0	297.2	303.0
	Heating	kW	311.5	319.0	324.0	330.0	336.0
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	380~415,50/60,3
	Cooling Input	kW	91.39	94.32	97.26	99.48	101.76
	EER	W/W	3.07	3.04	3.00	2.99	2.98
	Heating Input	kW	91.68	94.83	97.10	99.43	101.67
	COP	W/W	3.40	3.36	3.34	3.32	3.30
Performance	Air Flow Volume	m3/h	29000+30000×2	30000×3	30000×3	30000×3	30000×3
	Sound Pressure level	dB(A)	≤66	≤66	≤66	≤66	≤66
Compressor	Type		DC Inverter	DC Inverter	DC Inverter	DC Inverter	DC Inverter
	Quantity		6	6	6	6	6
Fan Motor	Type		DC motor	DC motor	DC motor	DC motor	DC motor
	Fan Quantity		6	6	6	6	6
Max.No.of Indoor Units		unit	64	64	64	64	64
Connection Ration		%	50~200	50~200	50~200	50~200	50~200
Dimension(W×D×H)	Net	mm	(1850×825×1760)×3	(1850×825×1760)×3	(1850×825×1760)×3	(1850×825×1760)×3	(1850×825×1760)×3
	Packing	mm	(1925×930×1930)×3	(1925×930×1930)×3	(1925×930×1930)×3	(1925×930×1930)×3	(1925×930×1930)×3
Weight	Net	kg	388+430×2	422+430×2	422+430×2	430×3	430×3
	Gross	kg	411+453×2	445+453×2	422+453×2	453×3	453×3
Refrigerant Piping	Max. Length	m	1000	1000	1000	1000	1000
	Max. Height	m	110/130	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	-15~55/-30~24

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

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

HP			110	112	114	116	118
Model			ARV-H3090/SR1MV	ARV-H3145/SR1MV	ARV-H3210/SR1MV	ARV-H3260/SR1MV	ARV-H3315/SR1MV
Combination		HP	26×3+32	26×2+28+32	26×2+30+32	26×2+32×2	26+28+32×2
Capacity	Cooling	kW	309.0	314.5	321.0	326.0	331.5
	Heating	kW	344.5	350.5	358.0	363.0	369.0
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	380~415,50/60,3
	Cooling Input	kW	91.52	94.37	97.30	100.24	103.09
	EER	W/W	3.38	3.33	3.30	3.25	3.22
	Heating Input	kW	91.39	94.60	97.75	100.02	103.23
	COP	W/W	3.77	3.71	3.66	3.63	3.57
Performance	Air Flow Volume	m3/h	29000x3+30000	29000x3+30000	29000x2+30000x2	29000x2+30000x2	29000x2+30000x2
	Sound Pressure level	dB(A)	≤64	≤64	≤64	≤64	≤64
Compressor	Type		DC Inverter	DC Inverter	DC Inverter	DC Inverter	DC Inverter
	Quantity		8	8	8	8	8
Fan Motor	Type		DC motor	DC motor	DC motor	DC motor	DC motor
	Fan Quantity		8	8	8	8	8
Max.No.of Indoor Units		unit	64	64	64	64	64
Connection Ration		%	50~200	50~200	50~200	50~200	50~200
Dimension(W×D×H)	Net	mm	(1850×825×1760)×4	(1850×825×1760)×4	(1850×825×1760)×4	(1850×825×1760)×4	(1850×825×1760)×4
	Packing	mm	(1925×930×1930)×4	(1925×930×1930)×4	(1925×930×1930)×4	(1925×930×1930)×4	(1925×930×1930)×4
Weight	Net	kg	388x3+422	388x3+422	388x2+422x2	388x2+422x2	388x2+422x2
	Gross	kg	411x3+445	411x3+445	411x2+445x2	411x2+445x2	411x2+445x2
Refrigerant Piping	Max. Length	m	1000	1000	1000	1000	1000
	Max. Height	m	110/130	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	-15~55/-30~24

ARV7 Series 380~415V -50/60Hz

HP			130	132	134	136
Model			ARV-H3645SR1MV	ARV-H3710/SR1MV	ARV-H3760/SR1MV	ARV-H3815/SR1MV
Combination		HP	22+36×3	24+36×3	26+36×3	28+36×3
Capacity	Cooling	kW	364.5	371.0	376.0	381.5
	Heating	kW	397.5	411.0	417.5	423.5
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	120.66	120.28	122.46	125.31
	EER	W/W	3.02	3.08	3.07	3.04
	Heating Input	kW	117.06	120.52	122.31	125.52
	COP	W/W	3.40	3.41	3.41	3.37
Performance	Air Flow Volume	m3/h	16000+30000×3	29000+30000×3	29000+30000×3	29000+30000×3
	Sound Pressure level	dB(A)	≤66	≤66	≤66	≤66
Compressor	Type		DC Inverter	DC Inverter	DC Inverter	DC Inverter
	Quantity		8	8	8	8
Fan Motor	Type		DC motor	DC motor	DC motor	DC motor
	Fan Quantity		8	8	8	8
Max.No.of Indoor Units		unit	64	64	64	64
Connection Ration		%	50~200	50~200	50~200	50~200
Dimension(W×D×H)	Net	mm	"1340×765×1635 (1850×825×1760)×3"	(1850×825×1760)×4	(1850×825×1760)×4	(1850×825×1760)×4
	Packing	mm	"1395×815×1865 (1925×930×1930)×3"	(1925×930×1930)×4	(1925×930×1930)×4	(1925×930×1930)×4
Weight	Net	kg	330+430×3	388+430×3	388+430×3	388+430×3
	Gross	kg	345+453×3	411+453×3	411+453×3	411+453×3
Refrigerant Piping	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

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

HP			120	122	124	126	128
Model			ARV-H3380/SR1MV	ARV-H3430/SR1MV	ARV-H3485/SR1MV	ARV-H3550/SR1MV	ARV-H3600/SR1MV
Combination		HP	26+30+32×2	26+32×3	28+32×3	30+32×3	32×4
Capacity	Cooling	kW	338.0	343.0	348.5	355.0	360.0
	Heating	kW	376.5	381.5	387.5	395.0	400.0
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	380~415,50/60,3
	Cooling Input	kW	106.02	108.96	111.81	114.74	117.68
	EER	W/W	3.19	3.15	3.12	3.09	3.06
	Heating Input	kW	106.38	108.65	111.86	115.01	117.28
	COP	W/W	3.54	3.51	3.46	3.43	3.41
Performance	Air Flow Volume	m3/h	29000+30000x3	29000+30000x3	29000+30000x3	30000x4	30000x4
	Sound Pressure level	dB(A)	≤64	≤64	≤64	≤64	≤64
Compressor	Type		DC Inverter	DC Inverter	DC Inverter	DC Inverter	DC Inverter
	Quantity		8	8	8	8	8
Fan Motor	Type		DC motor	DC motor	DC motor	DC motor	DC motor
	Fan Quantity		8	8	8	8	8
Max.No.of Indoor Units		unit	64	64	64	64	64
Connection Ration		%	50~200	50~200	50~200	50~200	50~200
Dimension(W×D×H)	Net	mm	(1850×825×1760)×4	(1850×825×1760)×4	(1850×825×1760)×4	(1850×825×1760)×4	(1850×825×1760)×4
	Packing	mm	(1925×930×1930)×4	(1925×930×1930)×4	(1925×930×1930)×4	(1925×930×1930)×4	(1925×930×1930)×4
Weight	Net	kg	388+422x3	388+422x3	388+422x3	422x4	422x4
	Gross	kg	411+445x3	411+445x3	411+445x3	445x4	445x4
Refrigerant Piping	Max. Length	m	1000	1000	1000	1000	1000
	Max. Height	m	110/130	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	-15~55/-30~24

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

ARV7 Series 380~415V -50/60Hz

HP			138	140	142	144
Model			ARV-H3880/SR1MV	ARV-H3930/SR1MV	ARV-H3982/SR1MV	ARV-H4040/SR1MV
Combination		HP	30+36×3	32+36×3	34+36×3	36×4
Capacity	Cooling	kW	388.0	393.0	398.2	404.0
	Heating	kW	431.0	436.0	442.0	448.0
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	128.24	131.18	133.40	135.68
	EER	W/W	3.03	3.00	2.99	2.98
	Heating Input	kW	128.67	130.94	133.27	135.51
	COP	W/W	3.35	3.33	3.32	3.31
Performance	Air Flow Volume	m3/h	30000×4	30000×4	30000×4	30000×4
	Sound Pressure level	dB(A)	≤66	≤66	≤66	≤66
Compressor	Type		DC Inverter	DC Inverter	DC Inverter	DC Inverter
	Quantity		8	8	8	8
Fan Motor	Type		DC motor	DC motor	DC motor	DC motor
	Fan Quantity		8	8	8	8
Max.No.of Indoor Units		unit	64	64	64	64
Connection Ration		%	50~200	50~200	50~200	50~200
Dimension(W×D×H)	Net	mm	(1850×825×1760)×4	(1850×825×1760)×4	(1850×825×1760)×4	(1850×825×1760)×4
	Packing	mm	(1925×930×1930)×4	(1925×930×1930)×4	(1925×930×1930)×4	(1925×930×1930)×4
Weight	Net	kg	422+430×3	422+430×3	430×4	430×4
	Gross	kg	445+453×3	445+453×3	453×4	453×4
Refrigerant Piping	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

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

ARV 7S Series

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

HP			8	10	12	14
Model			ARV-H250/SR1MV-S	ARV-H280/SR1MV-S	ARV-H330/SR1MV-S	ARV-H400/SR1MV-S
Combination		HP	8	10	12	14
Capacity	Cooling	kW	25.2	28	33.5	40
	Heating	kW	27	31.5	37.5	45
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	6.79	9.1	10.52
	EER	W/W	4.75	4.12	3.68	3.80
	Heating input	kW	5.48	6.84	9.36	10.93
	COP	W/W	4.93	4.61	4.01	4.12
Performance	Air Flow Volume	m^3/h	12000	12000	12000	14000
	Sound Pressure level	dB(A)	43-58	43-58	43-58	43-61
Compressor	Type		DC Inv	DC Inv	DC Inv	DC Inv
	Quantity		1	1	1	1
Fan motor	Type		DC	DC	DC	DC
	Quantity		1	1	1	2
Connection Ratio		%	50-200	50-200	50-200	50-200
Dimension (WxDxH)	Net	mm	990×765× 1635	990×765×1635	990×765×1635	1340×765×1635
	Packing	mm	1040×830×1800	1040×830×1800	1040×830×1800	1400×830×1800
Weight	Net	kg	210	210	210	255
	Gross	kg	220	220	220	270
Refrigerant Piping	Liquid Side	mm	φ12.7	φ12.7	φ12.7	φ15.88
	Gas Side	mm	φ22.2	φ22.2	φ22.2	φ28.6
Operation Range	Cooling	℃	-15~55	-15~55	-15~55	-15~55
	Heating	℃	-20~24	-20~24	-20~24	-20~24

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

HP			16	18	20	22
Model			ARV-H450/SR1MV-S	ARV-H500/SR1MV-S	ARV-H560/SR1MV-S	ARV-H610/SR1MV-S
Combination		HP	16	18	20	22
Capacity	Cooling	kW	45	50.4	56	61.5
	Heating	kW	50	56	63	69
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	12.20	14.80	17.64	20.20
	EER	W/W	3.69	3.41	3.17	3.04
	Heating input	kW	12.21	14.89	17.31	19.17
	COP	W/W	4.10	3.76	3.64	3.60
Performance	Air Flow Volume	m^3/h	14000	16000	16000	16000
	Sound Pressure level	dB(A)	43-61	43-63	43-63	43-63
Compressor	Type		DC Inv	DC Inv	DC Inv	DC Inv
	Quantity		1	1	2	2
Fan motor	Type		DC	DC	DC	DC
	Quantity		2	2	2	2
Connection Ratio		%	50-200	50-200	50-200	50-200
Dimension (WxDxH)	Net	mm	1340×765×1635	1340×765×1635	1340×765×1635	1340×765×1635
	Packing	mm	1400×830×1800	1400×830×1800	1400×830×1800	1400×830×1800
Weight	Net	kg	255	273	313	313
	Gross	kg	270	288	328	328
Refrigerant Piping	Liquid Side	mm	φ15.88	φ15.88	φ15.88	φ15.88
	Gas Side	mm	φ28.6	φ28.6	φ28.6	φ28.6
Operation Range	Cooling	℃	-15~55	-15~55	-15~55	-15~55
	Heating	℃	-20~24	-20~24	-20~24	-20~24

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

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

HP			24	26	28	30
Model			ARV-H680/SR1MV-S	ARV-H730/SR1MV-S	ARV-H785/SR1MV-S	ARV-H850/SR1MV-S
Combination		HP	24	26	28	30
Capacity	Cooling	kW	68	73	78.5	85
	Heating	kW	75	81.5	87.5	95
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	18.61	20.8	23.64	26.56
	EER	W/W	3.65	3.51	3.32	3.20
	Heating input	kW	18.99	20.79	23.97	27.14
	COP	W/W	3.95	3.92	3.65	3.50
Performance	Air Flow Volume	m^3/h	29000	29000	29000	30000
	Sound Pressure level	dB(A)	43-62	43-62	43-63	43-64
Compressor	Type		DC Inv	DC Inv	DC Inv	DC Inv
	Quantity		2	2	2	2
Fan motor	Type		DC	DC	DC	DC
	Quantity		2	2	2	2
Connection Ratio		%	50-200	50-200	50-200	50-200
Dimension (WxDxH)	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	379	379	379	380
	Gross	kg	402	402	402	403
Refrigerant Piping	Liquid Side	mm	φ19.05	φ19.05	φ22.2	φ22.2
	Gas Side	mm	φ35.0	φ35.0	φ35.0	φ35.0
Operation Range	Cooling	℃	-15~55	-15~55	-15~55	-15~55
	Heating	℃	-20~24	-20~24	-20~24	-20~24

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

HP			32	34	36
Model			ARV-H900/SR1MV-S	ARV-H950/SR1MV-S	ARV-H1010/SR1MV-S
Combination		HP	32	34	36
Capacity	Cooling	kW	90	95.2	101
	Heating	kW	100	106	112
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	29.51	31.73	34.01
	EER	W/W	3.05	3.00	2.97
	Heating input	kW	29.41	31.74	33.94
	COP	W/W	3.40	3.34	3.30
Performance	Air Flow Volume	m^3/h	30000	30000	30000
	Sound Pressure level	dB(A)	43-64	43-66	43-66
Compressor	Type		DC Inv	DC Inv	DC Inv
	Quantity		2	2	2
Fan motor	Type		DC	DC	DC
	Quantity		2	2	2
Connection Ratio		%	50-200	50-200	50-200
Dimension (WxDxH)	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	405	405	405
	Gross	kg	428	428	428
Refrigerant Piping	Liquid Side	mm	φ22.2	φ22.2	φ22.2
	Gas Side	mm	φ35.0	φ35.0	φ35.0
Operation Range	Cooling	℃	-15~55	-15~55	-15~55
	Heating	℃	-20~24	-20~24	-20~24

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

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

HP			38	40	42	44	46
Model			ARV-H1080/SR1MV-S	ARV-H1130/SR1MV-S	ARV-H1180/SR1MV-S	ARV-H1230/SR1MV-S	ARV-H1290/SR1MV-S
Combination		HP	24+14	26+14	26+16	26+18	26+20
Capacity	Cooling	kW	108	113	118	123.4	129
	Heating	kW	120	126.5	131.5	137.5	144.5
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	380~415,50/60,3
	Cooling input	kW	29.13	31.32	33.00	35.60	38.44
	EER	W/W	3.71	3.61	3.58	3.47	3.36
	Heating input	kW	29.92	31.72	33.00	35.68	38.10
	COP	W/W	4.01	3.99	3.98	3.85	3.79
Performance	Air Flow Volume	m^3/h	43000	43000	43000	45000	45000
Compressor	Type		DC Inv	DC Inv	DC Inv	DC Inv	DC Inv
Fan motor	Type		DC	DC	DC	DC	DC
Connection Ratio		%	50-200	50-200	50-200	50-200	50-200
Weight	Net	kg	634	634	634	652	692
	Gross	kg	672	672	672	690	730
Dimension (WxDxH)	Net	mm	1340×765×1635+ 1850×825×1760	1340×765×1635+ 1850×825×1760	1340×765×1635+ 1850×825×1760	1340×765×1635+ 1850×825×1760	1340×765×1635+ 1850×825×1760
	Packing	mm	1400×830×1800+ 1925×930×1930	1400×830×1800+ 1925×930×1930	1400×830×1800+ 1925×930×1930	1400×830×1800+ 1925×930×1930	1400×830×1800+ 1925×930×1930
Refrigerant Piping	Liquid Side	mm	Φ19.05	Φ19.05	Φ19.05	Φ19.05	Φ19.05
	Gas Side	mm	Φ38.1	Φ38.1	Φ38.1	Φ38.1	Φ38.1
Operation Range	Cooling	℃	-15~55	-15~55	-15~55	-15~55	-15~55
	Heating	℃	-20~24	-20~24	-20~24	-20~24	-20~24

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

HP			48	50	52	54
Model			ARV-H1340/SR1MV-S	ARV-H1410/SR1MV-S	ARV-H1460/SR1MV-S	ARV-H1510/SR1MV-S
Combination		HP	26+22	26+24	26+26	36+18
Capacity	Cooling	kW	134.5	141	146	151.4
	Heating	kW	150.5	157	163	168
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	41.00	39.41	41.60	48.81
	EER	W/W	3.28	3.58	3.51	3.10
	Heating input	kW	39.96	39.78	41.58	48.83
	COP	W/W	3.77	3.93	3.92	3.44
Performance	Air Flow Volume	m^3/h	45000	58000	58000	46000
Compressor	Type		DC Inv	DC Inv	DC Inv	DC Inv
Fan motor	Type		DC	DC	DC	DC
Connection Ratio		%	50-200	50-200	50-200	50-200
Weight	Net	kg	692	758	758	678
	Gross	kg	730	804	804	716
Dimension (WxDxH)	Net	mm	1340×765×1635+ 1850×825×1760	(1850×825×1760)×2	(1850×825×1760)×2	(1850×825×1760)×2
	Packing	mm	1400×830×1800+ 1925×930×1930	(1925×930×1930)×2	(1925×930×1930)×2	(1925×930×1930)×2
Refrigerant Piping	Liquid Side	mm	Φ19.05	Φ19.05	Φ19.05	Φ19.05
	Gas Side	mm	Φ38.1	Φ38.1	Φ38.1	Φ38.1
Operation Range	Cooling	℃	-15~55	-15~55	-15~55	-15~55
	Heating	℃	-20~24	-20~24	-20~24	-20~24

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

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

HP			56	58	60	62
Model			ARV-H1570/SR1MV-S	ARV-H1620/SR1MV-S	ARV-H1690/SR1MV-S	ARV-H1740/SR1MV-S
Combination		HP	36+20	36+22	36+24	36+26
Capacity	Cooling	kW	157	162.5	169	174
	Heating	kW	175	181	187	194
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	51.65	54.21	52.62	54.81
	EER	W/W	3.04	3.00	3.21	3.17
	Heating input	kW	51.25	53.11	52.93	54.73
	COP	W/W	3.41	3.41	3.53	3.54
Performance	Air Flow Volume	m^3/h	46000	46000	59000	59000
Compressor	Type		DC Inv	DC Inv	DC Inv	DC Inv
Fan motor	Type		DC	DC	DC	DC
Connection Ratio		%	50-200	50-200	50-200	50-200
Weight	Net	kg	718	718	784	784
	Gross	kg	756	756	830	830
Dimension (WxDxH)	Net	mm	(1850×825×1760)×2	(1850×825×1760)×2	(1850×825×1760)×2	(1850×825×1760)×2
	Packing	mm	(1925×930×1930)×2	(1925×930×1930)×2	(1925×930×1930)×2	(1925×930×1930)×2
Refrigerant Piping	Liquid Side	mm	Φ19.05	Φ19.05	Φ19.05	Φ19.05
	Gas Side	mm	Φ41.3	Φ41.3	Φ41.3	Φ41.3
Operation Range	Cooling	℃	-15~55	-15~55	-15~55	-15~55
	Heating	℃	-20~24	-20~24	-20~24	-20~24

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

HP			64	66	68	70
Model			ARV-H1790/SR1MV-S	ARV-H1860/SR1MV-S	ARV-H1910/SR1MV-S	ARV-H1960/SR1MV-S
Combination		HP	36+28	36+30	36+32	36+34
Capacity	Cooling	kW	179.5	186	191	196.2
	Heating	kW	200	207	212	218
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	57.65	60.57	63.52	65.74
	EER	W/W	3.11	3.07	3.01	2.98
	Heating input	kW	57.91	61.08	63.35	65.68
	COP	W/W	3.45	3.39	3.35	3.32
Performance	Air Flow Volume	m^3/h	59000	60000	60000	60000
Compressor	Type		DC Inv	DC Inv	DC Inv	DC Inv
Fan motor	Type		DC	DC	DC	DC
Connection Ratio		%	50-200	50-200	50-200	50-200
Weight	Net	kg	784	785	810	810
	Gross	kg	830	831	856	856
Dimension (WxDxH)	Net	mm	(1850×825×1760)×2	(1850×825×1760)×2	(1850×825×1760)×2	(1850×825×1760)×2
	Packing	mm	(1925×930×1930)×2	(1925×930×1930)×2	(1925×930×1930)×2	(1925×930×1930)×2
Refrigerant Piping	Liquid Side	mm	Φ19.05	Φ19.05	Φ22.2	Φ22.2
	Gas Side	mm	Φ41.3	Φ41.3	Φ44.5	Φ44.5
Operation Range	Cooling	℃	-15~55	-15~55	-15~55	-15~55
	Heating	℃	-20~24	-20~24	-20~24	-20~24

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

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

HP			72	74	76	78
Model			ARV-H2020/SR1MV-S	ARV-H2090/SR1MV-S	ARV-H2140/SR1MV-S	ARV-H2190/SR1MV-S
Combination		HP	36+36	36+24+14	36+26+14	36+26+16
Capacity	Cooling	kW	202	209	214	219
	Heating	kW	224	232	238.5	243.5
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	68.02	63.14	65.33	67.01
	EER	W/W	2.97	3.31	3.28	3.27
	Heating input	kW	67.88	63.86	65.66	66.94
	COP	W/W	3.30	3.63	3.63	3.64
Performance	Air Flow Volume	m^3/h	60000	73000	73000	73000
Compressor	Type		DC Inv	DC Inv	DC Inv	DC Inv
Fan motor	Type		DC	DC	DC	DC
Connection Ratio		%	50-200	50-200	50-200	50-200
Weight	Net	kg	810	1039	1039	1039
	Gross	kg	856	1100	1100	1100
Dimension (WxDxH)	Net	mm	(1850×825×1760)×2	(1850×825×1760)×2 +1340×765×1635	(1850×825×1760)×2 +1340×765×1635	(1850×825×1760)×2 +1340×765×1635
	Packing	mm	(1925×930×1930)×2	(1925×930×1930)×2 +1400×830×1800	(1925×930×1930)×2 +1400×830×1800	(1925×930×1930)×2 +1400×830×1800
Refrigerant Piping	Liquid Side	mm	Φ22.2	Φ22.2	Φ22.2	Φ22.2
	Gas Side	mm	Φ44.5	Φ44.5	Φ44.5	Φ44.5
Operation Range	Cooling	℃	-15~55	-15~55	-15~55	-15~55
	Heating	℃	-20~24	-20~24	-20~24	-20~24

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

HP			80	82	84	86	88
Model			ARV-H2240/SR1MV-S	ARV-H2300/SR1MV-S	ARV-H2350/SR1MV-S	ARV-H2420/SR1MV-S	ARV-H2470/SR1MV-S
Combination		HP	36+26+18	36+26+20	36+26+22	36+26+24	36+26+26
Capacity	Cooling	kW	224.4	230	235.5	242	247
	Heating	kW	249.5	256.5	262.5	269	275
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	380~415,50/60,3
	Cooling input	kW	69.61	72.45	75.01	73.42	75.61
	EER	W/W	3.22	3.17	3.14	3.30	3.27
	Heating input	kW	69.62	72.04	73.90	73.72	75.52
	COP	W/W	3.58	3.56	3.55	3.64	3.64
Performance	Air Flow Volume	m^3/h	75000	75000	75000	88000	88000
Compressor	Type		DC Inv	DC Inv	DC Inv	DC Inv	DC Inv
Fan motor	Type		DC	DC	DC	DC	DC
Connection Ratio		%	50-200	50-200	50-200	50-200	50-200
Weight	Net	kg	1057	1097	1097	1163	1163
	Gross	kg	1118	1158	1158	1232	1232
Dimension (WxDxH)	Net	mm	(1850×825×1760)×2 +1340×765×1635	(1850×825×1760)×2 +1340×765×1635	(1850×825×1760)×2 +1340×765×1635	(1850×825×1760)×3	(1850×825×1760)×3
	Packing	mm	(1925×930×1930)×2+ 1400×830×1800	(1925×930×1930)×2 +1400×830×1800	(1925×930×1930)×2 +1400×830×1800	(1925×930×1930)×3	(1925×930×1930)×3
Refrigerant Piping	Liquid Side	mm	Φ22.2	Φ22.2	Φ22.2	Φ22.2	Φ22.2
	Gas Side	mm	Φ44.5	Φ44.5	Φ44.5	Φ44.5	Φ44.5
Operation Range	Cooling	℃	-15~55	-15~55	-15~55	-15~55	-15~55
	Heating	℃	-20~24	-20~24	-20~24	-20~24	-20~24

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

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

HP			90	92	94	96	98
Model			ARV-H2520/SR1MV-S	ARV-H2580/SR1MV-S	ARV-H2630/SR1MV-S	ARV-H2700/SR1MV-S	ARV-H2750/SR1MV-S
Combination		HP	36+36+18	36+36+20	36+36+22	36+36+24	36+36+26
Capacity	Cooling	kW	252.4	258	263.5	270	275
	Heating	kW	280	287	292	299	306
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	380~415,50/60,3
	Cooling input	kW	82.82	85.66	88.22	86.63	88.82
	EER	W/W	3.05	3.01	2.99	3.12	3.10
	Heating input	kW	82.77	85.19	87.05	86.87	88.67
	COP	W/W	3.38	3.37	3.37	3.44	3.45
Performance	Air Flow Volume	m^3/h	76000	76000	76000	89000	89000
Compressor	Type		DC Inv	DC Inv	DC Inv	DC Inv	DC Inv
Fan motor	Type		DC	DC	DC	DC	DC
Connection Ratio		%	50-200	50-200	50-200	50-200	50-200
Weight	Net	kg	1083	1123	1123	1189	1189
	Gross	kg	1144	1184	1184	1258	1258
Dimension (WxDxH)	Net	mm	(1850×825×1760)×3	(1850×825×1760)×3	(1850×825×1760)×3	(1850×825×1760)×3	(1850×825×1760)×3
	Packing	mm	(1925×930×1930)×3	(1925×930×1930)×3	(1925×930×1930)×3	(1925×930×1930)×3	(1925×930×1930)×3
Refrigerant Piping	Liquid Side	mm	Φ25.4	Φ25.4	Φ25.4	Φ25.4	Φ25.4
	Gas Side	mm	Φ47.6	Φ47.6	Φ47.6	Φ47.6	Φ47.6
Operation Range	Cooling	℃	-15~55	-15~55	-15~55	-15~55	-15~55
	Heating	℃	-20~24	-20~24	-20~24	-20~24	-20~24

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

HP			100	102	104	106	108
Model			ARV-H2800/SR1MV-S	ARV-H2870/SR1MV-S	ARV-H2920/SR1MV-S	ARV-H2970/SR1MV-S	ARV-H3030/SR1MV-S
Combination		HP	36+36+28	36+36+30	36+36+32	36+36+34	36+36+36
Capacity	Cooling	kW	280.5	287	292	297.2	303
	Heating	kW	312	319	324	330	336
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	380~415,50/60,3
	Cooling input	kW	91.66	94.58	97.53	99.75	102.03
	EER	W/W	3.06	3.03	2.99	2.98	2.97
	Heating input	kW	91.85	95.02	97.29	99.62	101.82
	COP	W/W	3.39	3.36	3.33	3.31	3.30
Performance	Air Flow Volume	m^3/h	89000	90000	90000	90000	90000
Compressor	Type		DC Inv	DC Inv	DC Inv	DC Inv	DC Inv
Fan motor	Type		DC	DC	DC	DC	DC
Connection Ratio		%	50-200	50-200	50-200	50-200	50-200
Weight	Net	kg	1189	1190	1215	1215	1215
	Gross	kg	1258	1259	1284	1284	1284
Dimension (WxDxH)	Net	mm	(1850×825×1760)×3	(1850×825×1760)×3	(1850×825×1760)×3	(1850×825×1760)×3	(1850×825×1760)×3
	Packing	mm	(1925×930×1930)×3	(1925×930×1930)×3	(1925×930×1930)×3	(1925×930×1930)×3	(1925×930×1930)×3
Refrigerant Piping	Liquid Side	mm	Φ25.4	Φ25.4	Φ25.4	Φ25.4	Φ25.4
	Gas Side	mm	Φ47.6	Φ47.6	Φ47.6	Φ47.6	Φ47.6
Operation Range	Cooling	℃	-15~55	-15~55	-15~55	-15~55	-15~55
	Heating	℃	-20~24	-20~24	-20~24	-20~24	-20~24

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

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

HP			110	112	114	116	118
Model			ARV-H3090/SR1MV-S	ARV-H3140/SR1MV-S	ARV-H3210/SR1MV-S	ARV-H3260/SR1MV-S	ARV-H3310/SR1MV-S
Combination		HP	32+26+26+26	32+28+26+26	32+30+26+26	32+32+26+26	32+32+28+26
Capacity	Cooling	kW	309	314.5	321	326	331.5
	Heating	kW	345	351	358	363	369
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	380~415,50/60,3
	Cooling input	kW	91.91	94.75	97.67	100.62	103.46
	EER	W/W	3.36	3.32	3.29	3.24	3.20
	Heating input	kW	91.78	94.96	98.13	100.40	103.58
	COP	W/W	3.75	3.69	3.65	3.62	3.56
Performance	Air Flow Volume	m^3/h	117000	117000	118000	118000	118000
Compressor	Type		DC Inv	DC Inv	DC Inv	DC Inv	DC Inv
Fan motor	Type		DC	DC	DC	DC	DC
Connection Ratio		%	50-200	50-200	50-200	50-200	50-200
Weight	Net	kg	1542	1542	1543	1568	1568
	Gross	kg	1634	1634	1635	1660	1660
Dimension (WxDxH)	Net	mm	(1850×825×1760)×4	(1850×825×1760)×4	(1850×825×1760)×4	(1850×825×1760)×4	(1850×825×1760)×4
	Packing	mm	(1925×930×1930)×4	(1925×930×1930)×4	(1925×930×1930)×4	(1925×930×1930)×4	(1925×930×1930)×4
Refrigerant Piping	Liquid Side	mm	Φ28.6	Φ28.6	Φ28.6	Φ28.6	Φ28.6
	Gas Side	mm	Φ54.0	Φ54.0	Φ54.0	Φ54.0	Φ54.0
Operation Range	Cooling	℃	-15~55	-15~55	-15~55	-15~55	-15~55
	Heating	℃	-20~24	-20~24	-20~24	-20~24	-20~24

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

HP			120	122	124	126	128
Model			ARV-H3380/SR1MV-S	ARV-H3430/SR1MV-S	ARV-H3480/SR1MV-S	ARV-H3550/SR1MV-S	ARV-H3600/SR1MV-S
Combination		HP	32+32+30+26	32+32+32+26	32+32+32+28	32+32+32+30	32+32+32+32
Capacity	Cooling	kW	338	343	348.5	355	360
	Heating	kW	377	382	388	395	400
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	380~415,50/60,3
	Cooling input	kW	106.38	109.33	112.17	115.09	118.04
	EER	W/W	3.18	3.14	3.11	3.08	3.05
	Heating input	kW	106.75	109.02	112.20	115.37	117.64
	COP	W/W	3.53	3.50	3.45	3.42	3.40
Performance	Air Flow Volume	m^3/h	119000	119000	119000	120000	120000
Compressor	Type		DC Inv	DC Inv	DC Inv	DC Inv	DC Inv
Fan motor	Type		DC	DC	DC	DC	DC
Connection Ratio		%	50-200	50-200	50-200	50-200	50-200
Weight	Net	kg	1569	1594	1594	1595	1620
	Gross	kg	1661	1686	1686	1687	1712
Dimension (WxDxH)	Net	mm	(1850×825×1760)×4	(1850×825×1760)×4	(1850×825×1760)×4	(1850×825×1760)×4	(1850×825×1760)×4
	Packing	mm	(1925×930×1930)×4	(1925×930×1930)×4	(1925×930×1930)×4	(1925×930×1930)×4	(1925×930×1930)×4
Refrigerant Piping	Liquid Side	mm	Φ28.6	Φ28.6	Φ28.6	Φ28.6	Φ28.6
	Gas Side	mm	Φ54.0	Φ54.0	Φ54.0	Φ54.0	Φ54.0
Operation Range	Cooling	℃	-15~55	-15~55	-15~55	-15~55	-15~55
	Heating	℃	-20~24	-20~24	-20~24	-20~24	-20~24

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

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

HP			130	132	134	136
Model			ARV-H3640/SR1MV-S	ARV-H3710/SR1MV-S	ARV-H3760/SR1MV-S	ARV-H3810/SR1MV-S
Combination		HP	36+36+36+22	36+36+36+24	36+36+36+26	36+36+36+28
Capacity	Cooling	kW	364.5	371	376	381.5
	Heating	kW	405	411	418	424
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	122.23	120.64	122.83	125.67
	EER	W/W	2.98	3.08	3.06	3.04
	Heating input	kW	120.99	120.81	122.61	125.79
	COP	W/W	3.35	3.40	3.41	3.37
Performance	Air Flow Volume	m^3/h	106000	119000	119000	119000
Compressor	Type		DC Inv	DC Inv	DC Inv	DC Inv
Fan motor	Type		DC	DC	DC	DC
Connection Ratio		%	50-200	50-200	50-200	50-200
Weight	Net	kg	1528	1594	1594	1594
	Gross	kg	1612	1686	1686	1686
Dimension (WxDxH)	Net	mm	(1850×825×1760)×4	(1850×825×1760)×4	(1850×825×1760)×4	(1850×825×1760)×4
	Packing	mm	(1925×930×1930)×4	(1925×930×1930)×4	(1925×930×1930)×4	(1925×930×1930)×4
Refrigerant Piping	Liquid Side	mm	Φ28.6	Φ28.6	Φ28.6	Φ28.6
	Gas Side	mm	Φ57.2	Φ57.2	Φ57.2	Φ57.2
Operation Range	Cooling	℃	-15~55	-15~55	-15~55	-15~55
	Heating	℃	-20~24	-20~24	-20~24	-20~24

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

HP			138	140	142	144
Model			ARV-H3880/SR1MV-S	ARV-H3930/SR1MV-S	ARV-H3980/SR1MV-S	ARV-H4040/SR1MV-S
Combination		HP	36+36+36+30	36+36+36+32	36+36+36+34	36+36+36+36
Capacity	Cooling	kW	388	393	398.2	404
	Heating	kW	431	436	442	448
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	128.59	131.54	133.76	136.04
	EER	W/W	3.02	2.99	2.98	2.97
	Heating input	kW	128.96	131.23	133.56	135.76
	COP	W/W	3.34	3.32	3.31	3.30
Performance	Air Flow Volume	m^3/h	120000	120000	120000	120000
Compressor	Type		DC Inv	DC Inv	DC Inv	DC Inv
Fan motor	Type		DC	DC	DC	DC
Connection Ratio		%	50-200	50-200	50-200	50-200
Weight	Net	kg	1595	1620	1620	1620
	Gross	kg	1687	1712	1712	1712
Dimension (WxDxH)	Net	mm	(1850×825×1760)×4	(1850×825×1760)×4	(1850×825×1760)×4	(1850×825×1760)×4
	Packing	mm	(1925×930×1930)×4	(1925×930×1930)×4	(1925×930×1930)×4	(1925×930×1930)×4
Refrigerant Piping	Liquid Side	mm	Φ28.6	Φ28.6	Φ28.6	Φ28.6
	Gas Side	mm	Φ57.2	Φ57.2	Φ57.2	Φ57.2
Operation Range	Cooling	℃	-15~55	-15~55	-15~55	-15~55
	Heating	℃	-20~24	-20~24	-20~24	-20~24

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



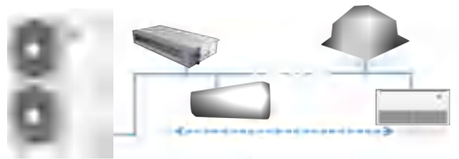
Feature

▶ 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.

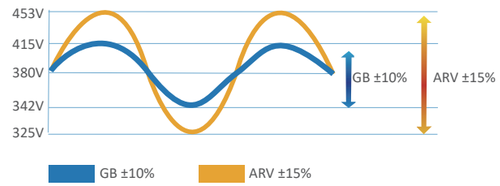


▶ Long piping length

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.



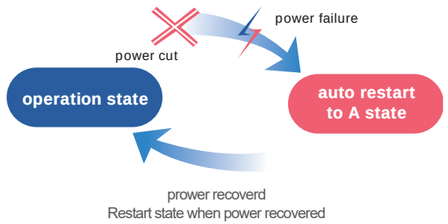
▶ 26°C economic locking

All indoor units will run as energy saving mode state.



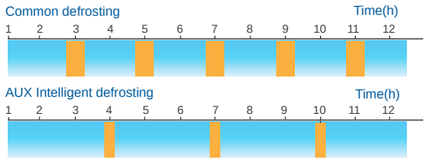
▶ Auto Restart Function

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



▶ Intelligent Defrosting

intelligent defrosting technique extend the heating operation and decrease the frequency of defrosting. Result in stable room temperature, offer comfort life.



▶ Refrigerant PCB Cooling System

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



▶ 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.



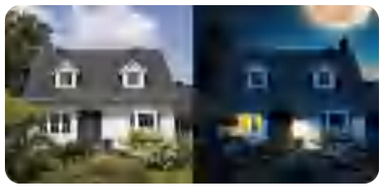
▶ Automatic address setting

Indoor units IP address can be auto setting during commissioning.



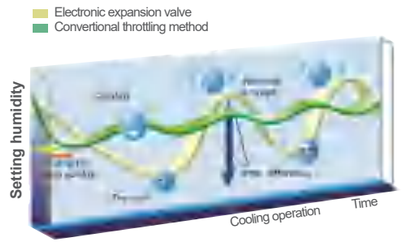
▶ Silent mode

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.

ARV Mini Series



ARV MIN 50/60Hz Three-Phase

Model			ARV-H120/ SR1DCS1A	ARV-H140/ SR1DCS1A	ARV-H160/ SR1DCS1A	ARV-H180/ SR1DCS7A	ARV-H220/ SR1DCS7	ARV-H260/ SR1DCS7
Capacity	Cooling	kW	12.1	14.0	15.5	18	22.40	26.00
	Heating	kW	14.0	16.0	18	20	24.50	28.50
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	380~415,50/60,3	380~415,50/60,3
	Cooling Power Input	kW	3.25	3.80	4.80	5.20	6.80	7.60
	Heating Power Input	kW	3.45	3.85	4.60	5.00	5.90	6.80
	Cooling Current	A	5.00	5.80	7.60	8.00	11.10	12.40
	Heating Current	A	5.30	5.90	7.30	7.70	9.60	11.10
	EER		3.72	3.68	3.23	3.46	3.29	3.42
	COP		4.06	4.16	3.91	4.00	4.15	4.19
Performance	Air Flow Volume	m^3/h	5100	5100	5100	6700	11000	11000
	Noise Level	dB(A)	56	56	57	58	62	62
Piping Limite	Height difference between IDU and ODU	m	20	20	30	30	50	50
	Height difference between IDU and IDU	m	10	10	10	10	15	15
	Between the first brance and the Farthest IDU	m	30	30	30	30	40	40
	Total Pipe length	m	100	100	100	100	250	250
Connection Ratio		%	50-130%	50-130%	50-130%	50-130%	50~130	50~130
Dimension (WxDxH)	Net	mm	990×420×860	990×420×860	990×420×860	940*340*1320	1120×400×1540	1120×400×1540
	Packing	mm	1100×545×980	1100×545×980	1100×545×980	1080*430*1440	1270×560×1710	1270×560×1710
Weight	Net	kg	79	79	79	90	160	160
	Gross	kg	90	90	90	100	175	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)	9.52(3/8)	9.52(3/8)
	Gas Side	mm(inch)	15.88(5/8)	15.88(5/8)	15.88(5/8)	19.05(6/8)	22.2(7/8)	22.2(7/8)
Operation Range	Cooling	℃	-15~49	-15~49/-20~24	-15~49/-20~24	-15~49/-20~24	-15~49	-15~49
	Heating	℃	-20~24	-20~24	-20~24	-20~24	-15~27	-15~27
Stuffing Quantity	20/40/40H	unit	40/84/84	40/84/84	40/84/84	27/55/54	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



Specification-ARV Mini Series 50Hz

Model	Outdoor		ARV-H220/5R1A	ARV-H280/5R1A
Capacity	Cooling	kW	22.40	26.00
	Heating	kW	24.50	28.50
Electric Data	Power Supply	V~,Hz,Ph	380~415,50,3	380~415,50,3
	Cooling Power Input	kW	7.20	8.40
	Heating Power Input	kW	6.70	7.90
	Cooling Current	A	11.60	13.50
	Heating Current	A	11.00	13.00
	EER		3.11	3.10
	COP		3.67	3.61
Performance	Air Flow Volume	m^3/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

ARV MINI 50/60Hz Single-Phase

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	220~240,50/60,1	220~240,50/60,1	220~240,50/60,1	220~240,50/60,1	220~240,50/60,1
	Cooling Power Input	kW	2.00	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
Performance	Air Flow Volume	m^3/h	4100	4100	4890	5100	5100
	Noise Level	dB(A)	54	54	56	56	56
Piping Limite	Level difference between IDU and ODU	m	20	20	20	30	30
	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

MODULAR ARV MINI

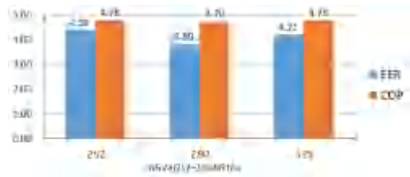
▶ Large Capacity&Free Combination

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.



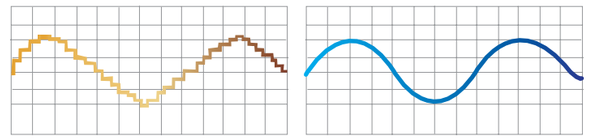
▶ High EER And COP

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

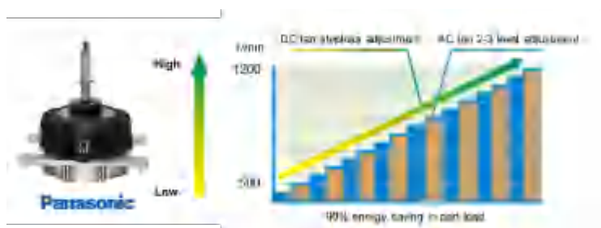
DC inverter compressor users 180° sine wave vector control technique makes motor operate smooth and increases the efficiency. significantly compared with traditional sawtooth wave. It also can lower the noise level.



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.



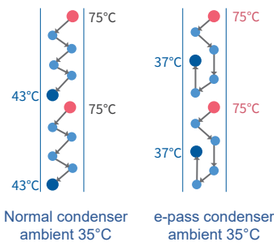
▶ Module Alternate Operation

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.



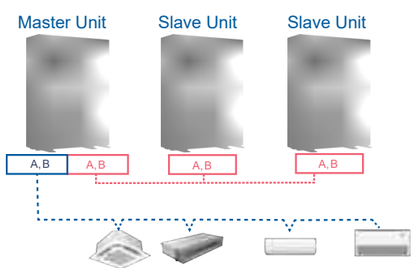
▶ Long Piping Length

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



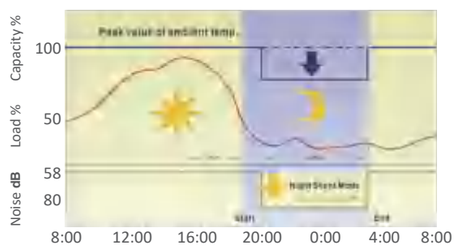
▶ Non-Polar Communication

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/SR1DCMA	ARV-H280/SR1DCMA	ARV-H335/SR1DCMA
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
	COP	W/W	4.78	4.70	4.78
Performance	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
Fan Motor	Type		DC motor	DC motor	DC motor
	Quantity		2	2	2
Connection Ration		%	50~130	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)		℃	-15~55/-20~24	-15~55/-20~24	-15~55/-20~24
Stuffing Quantity	20/40/40H	Unit	17/37/37	17/37/37	17/37/37

MODULAR ARV MINI 50/60Hz Three-Phase

HP			16	18	20
Model			ARV-H504/SR1DCMA	ARV-H532/SR1DCMA	ARV-H560/SR1DCMA
Combination		HP	8×2	8+10	10×2
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
	COP	W/W	4.78	4.74	4.70
Performance	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	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)		℃	-15~55/-20~24	-15~55/-20~24	-15~55/-20~24

MODULAR ARV MINI 50/60Hz Three-Phase

HP			22	24	26	28
Model			ARV-H615/SR1DCMA	ARV-H670/SR1DCMA	ARV-H784/SR1DCMA	ARV-H812/SR1DCMA
Combination		HP	10+12	12×2	8×2+10	8+10×2
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	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	-15~55/-20~24

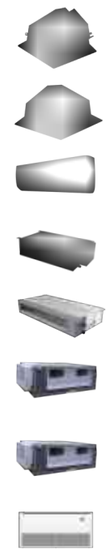
MODULAR ARV MINI 50/60Hz Three-Phase

HP			30	32	34	36
Model			ARV-H840/SR1DCMA	ARV-H895/SR1DCMA	ARV-H950/SR1DCMA	ARV-H1005/SR1DCMA
Combination		HP	10×3	10×2+12	10+12×2	12×3
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	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	-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



COMPACT CASSETTE

Feature

▶ External control box

External control box, no need to disassemble the unit, convenient maintenance.



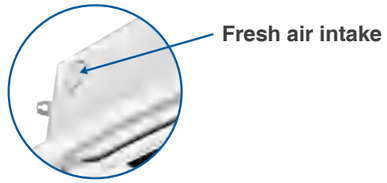
▶ Easy to remove wind blades

Thanks to the external design of the electronic control box, the fan blades can be easily removed after removing the air guide ring, making it easy for after-sales maintenance.



▶ Fresh Air Intake

Fresh air makes indoor air healthy and comfortable.



▶ Large air flow

Optimized structure of air guide ring, Insertion depth design of guide ring through simulation technology, Ensure large air flow, improve cooling & heating comfort .



CASSETTE

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.



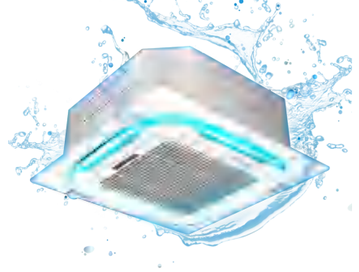
▶ Fresh air

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



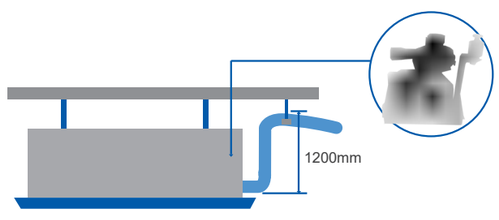
▶ Auto clean

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 cover

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





▶ Reliable control board

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



▶ Compact body size

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



▶ Removable grille

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



▶ Wifi & Room card

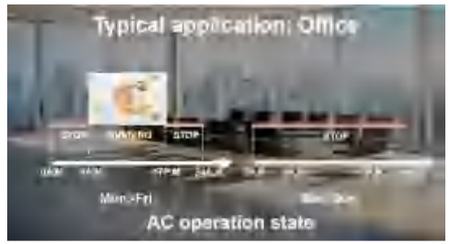
Optional WiFi, room card functions to meet intelligent needs





▶ 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



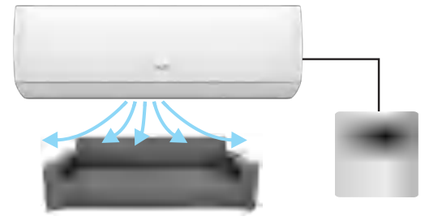
Feature

▶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.

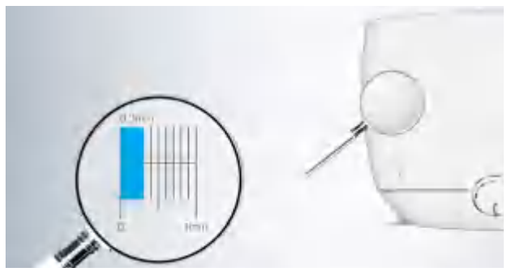


▶Convenient Installation

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.



Slim Duct

Feature

▶ Fresh air inlet

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



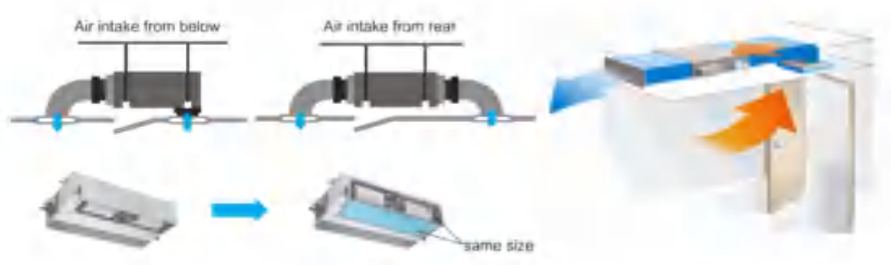
▶ Silent water pump

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.



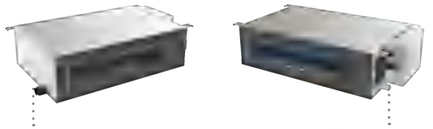
▶ Electronic control is easy to maintain

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.

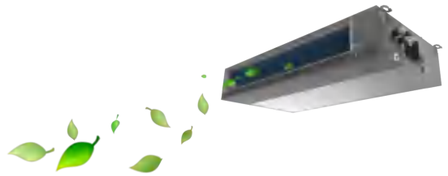


MID ESP DUCT

Feature

▶ Fresh air inlet

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



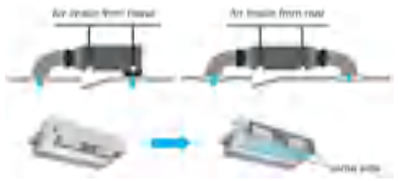
▶ Silent water pump

Select silent water pump to ensure different customer installation requirements.



▶ Two return air modes are selected

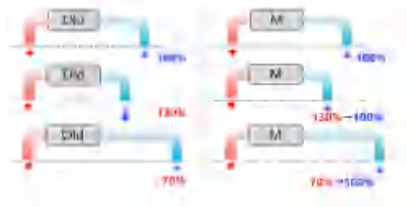
Two return air modes are selected (back return air and down return air), Easy to change.



▶ Constant Air Flow Volume

(only certain model support)

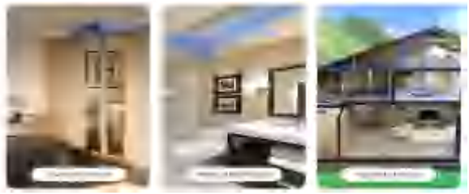
Under different ESP, the product supply Constant air flow volume for comfort.



▶ 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 effeciency filter screen

Easy disassembly (0 Screws)
Convenient to wash
High effeciency (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.



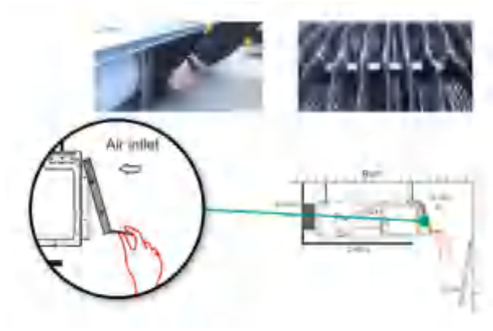
▶ Double drainage pan

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



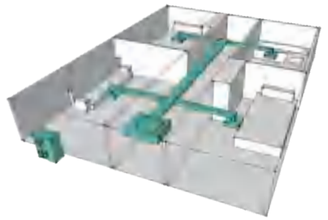
▶ Innovative Air Supply Technology For Excellent Room Temperature Control

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



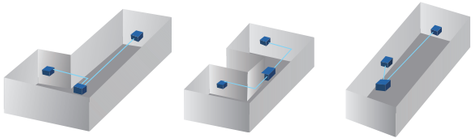
▶ Long Distance Air Supply

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.



Room1: L Type　Room2: U Type　Room3: Narrow Type

CEILING&FLOOR

Feature

▶ Long Air Supply Distance

Up to 14m,meet large room requirement



▶ Beautiful Design of Display Board

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



▶ Anti-condensation

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



▶ Safe and Reliable

Separate design of power and communication terminal to ensure safety



▶ Fresh air intake

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



▶ Optional filter

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



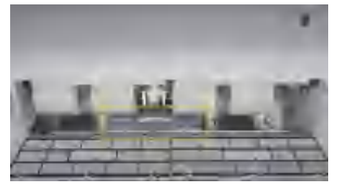
▶ Easy drainage

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



▶ Easy Maintenance

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



Compact Cassette



Specification-50/60Hz

Model	Indoor		ARVCA-H28/NR1DYBB	ARVCA-H36/NR1DYBB	ARVCA-H45/NR1DYBB	ARVCA-H56/NR1DYBB
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	30	30	30
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
	Packing(Panel)	mm	710x710x80	710x710x80	710x710x80	710x710x80
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			6.35	6.35	6.35	6.35
Pipe Diameter	Liquid Side	mm(inch)	12.7	12.7	12.7	12.7
	Gas Side	mm(inch)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)
	Drainage	mm(inch)	216/432/486	216/432/486	216/432/486	216/432/486
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

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
	Packing(Panel)	mm	1000x1000x100	1000x1000x100	1000x1000x100	1000x1000x100	1000x1000x100	1000x1000x100
Weight	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
	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

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
	Packing(Panel)	mm	1000x1000x100	1000x1000x100	1000x1000x100	1000x1000x100	1000x1000x100
Weight	Net/Gross(Body)	kg	24.5/28.5	27/31	27/31	27/31	30.5/34.5
	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

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-50Hz

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	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
	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-50Hz

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	915×915×315	915×915×355	915×915×355	915×915×355	915×915×355
	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

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.

Wall-mounted



Specification- 50/60Hz

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)	m^3/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	10.5/13.0	10.5/13.0	10.5/13.0
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(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- 50/60Hz

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)	m^3/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	15.5/19.0
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 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



Specification-50/60Hz

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(Hi/Mi/Lo)	m^3/h	550/450/380/320	550/450/380/320	600/490/410/350	900/710/620/490	900/710/620/490	1150/900/700/590
	Noise Level(Hi/Mid/Low)	dB(A)	31/27/25	31/27/25	33/30/27	34/30/28	34/30/28	34/31/30
	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

Specification-50Hz

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~,50/60Hz,1	220-240~,50/60Hz,1	220-240~,50/60Hz,1	220-240~,50/60Hz,1	220-240~,50/60Hz,1	220-240~,50/60Hz,1
	Rated Power	W	40	40	40	90	90	110
Performance	Air Flow Volume	m^3/h	550	550	600	850	850	1150
	Noise Level	dB(A)	32	32	33	34	34	34
	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

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.

Mid ESP Duct



Specification-50/60HZ

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)	m^3/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

Model	Indoor		ARVMD-H100/ NR1DM	ARVMD-H112/ NR1DM	ARVMD-H125/ NR1DM	ARVMD-H140/ NR1DM	ARVMD-H150/ NR1DM	ARVMD-H160/ NR1DM
Capacity	Cooling	kW	10.0	11.2	12.5	14.0	15.0	16.0
	Heating	kW	11.2	12.5	14.0	16.0	17.0	18.0
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	150	230	230	230	250	250
Performance	Air Flow Volume(Tu/Hi/Mid/ Low)	m^3/h	1710/1400/ 1120/950	2300/1900/ 1600/1400	2300/1900/ 1600/1400	2300/1900/ 1600/1400	2400/2000/ 1700/1500	2300/1900/ 1600/1400
	Noise Level(Hi/Mid/Low)	dB(A)	42/40/38	44/42/40	44/42/40	44/42/40	45/43/41	44/42/40
	External Static Pressure(ESP)	Pa	50(0-150)	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	1400×700×245
	Packing	mm	1230*830*300	1630x830x300	1630x830x300	1630x830x300	1630x830x300	1630x830x300
Weight	Net/Gross	kg	32/38	41/48	41/48	41/48	41/48	41/48
Pipe Diameter	Liquid Side	mm(inch)	9.52	9.52	9.52	9.52	9.52	9.52
	Gas Side	mm(inch)	15.88	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)	R3/4in(DN20)
Stuffing Quantity	20/40/40H	unit	72/151/164	49/98/112	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



Specification-50Hz

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)	m^3/h	1000/920/ 790/700	1000/920/ 790/700	1680/1350/ 1100/950	16801680/ 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-50Hz

Model	Indoor		ARVMD-H100/ NR1DM	ARVMD-H112/ NR1DM	ARVMD-H125/ NR1DM	ARVMD-H140/ NR1DM	ARVMD-H150/ NR1DM	ARVMD-H160/ NR1DM
Capacity	Cooling	kW	10.0	11.2	12.5	14.0	15.0	16.0
	Heating	kW	11.2	12.5	14.0	16.0	17.0	18.0
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	150	230	230	230	250	250
Performance	Air Flow Volume(Tu/Hi/Mid/Low)	m^3/h	1710/1400/ 1120/950	2300/1900/ 1600/1400	2300/1900/ 1600/11400	2300/1900/ 1600/1400	2400/2000/ 1700/1500	2300/1900/ 1600/1400
	Noise Level(Hi/Mid/Low)	dB(A)	42/40/38	44/42/40	44/42/40	44/42/40	45/43/41	44/42/40
	External Static Pressure(ESP)	Pa	50(0-150)	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	1400×700×245
	Packing	mm	1230*830*300	1630x830x300	1630x830x300	1630x830x300	1630x830x300	1630x830x300
Weight	Net/Gross	kg	32/38	41/48	41/48	41/48	41/48	43/50
Pipe Diameter	Liquid Side	mm(inch)	9.52	9.52	9.52	9.52	9.52	9.52
	Gas Side	mm(inch)	15.88	15.88	15.88	15.88	15.88	15.8
	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	72/151/164	49/98/112	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

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)	m^3/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

Model	Indoor		ARVHD-H220/NR1DC	ARVHD-H280/NR1DC
Capacity	Cooling	kW	22.4	28.0
	Heating	kW	25.0	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	m^3/h	4400	4400
	Noise Level	dB(A)	57	57
	External Static Pressure(ESP)	Pa	170(30-250)	170(30-250)
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

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



Specification-50/60Hz

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	m^3/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-50Hz

Model	Indoor		ARVFA-H450/5R1A	ARVFA-H560/5R1A
Capacity	Cooling	kW	45	56
	Heating	kW	49.5	61.5
Electric Data	Power Supply	V~,Hz,Ph	380~415,,50,3	380~415,,50,3
	Rated Power	W	1520	1520
Performance	Air Flow Volume	m^3/h	4000	5000
	Noise Level	dB(A)	57	59
	External Static Pressure(ESP)	Pa	220	220
Dimension (WxDxH)	Net	mm	1820x990x855	2115x990x855
	Packing	mm	1935x1025x1015	2225x1025x1015
Weight	Net/Gross	kg	150/170	225/255
Pipe Diameter	Liquid Side	mm(inch)	12.7x2	12.7x2
	Gas Side	mm(inch)	22.2x2	22.2x2
	Drainage	mm	R1in(DN25)	R1in(DN25)
Stuffing Quantity	20/40/40H	unit	12/24/24	12/24/24

Notes:
1.Cooling Capacity: Outdoor temperature 35°C DB/28°C WB.
2.Heating Capacity: Outdoor temperature 7°C DB/6°C WB.
3.Piping Length: Equivalent piping length: 7.5m, level difference: 0m.
4.Sound level is measured at 1.4m below the unit.
5.The above design and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.

Connection Conditions:
When only outdoor-air processing units are connected, the total capacity of the outdoor-air processing units must be within 50%~100% of the outdoor units.
When outdoor-air processing units and other type indoor units are connected, the total capacity of the outdoor-air processing units must not exceed 30% of the outdoor units.

Ceiling&Floor



Specification-50/60Hz

Model	Indoor		ARVCF-H28/NR1DF	ARVCF-H36/NR1DF	ARVCF-H45/NR1DF	ARVCF-H56/NR1DF	ARVCF-H71/NR1DF
Capacity	Cooling	kW	2.8	3.6	4.5	5.6	7.1
	Heating	kW	3.2	4.3	5.0	6.3	8.0
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	220-240V,50/60,1
	Rated Power	W	40	40	40	40	40
Performance	Air Flow Volume (TuHi/Mid/Low/SI)	m^3/h	940/895/700/650/600	940/895/700/650/600	940/895/700/650/600	940/895/700/650/600	940/895/700/650/600
	Noise Level(Tu/Hi/Mi/Lo/SI)	dB(A)	42/41/38/37/36	42/41/38/37/36	42/41/38/37/36	42/41/38/37/36	42/41/38/37/36
Dimension (W×D×H)	Net	mm	1000×690×235	1000×690×235	1000×690×235	1000×690×235	1000×690×235
	Packing	mm	1080×770×325	1080×770×325	1080×770×325	1080×770×325	1080×770×325
Weight	Net	kg	29/33.5	29/33.5	29/33.5	29/33.5	29/33.5
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)
	Gas Side	mm(inch)	12.7(1/2)	12.7(1/2)	12.7(1/2)	12.7(1/2)	12.7(1/2)
	Drainage	mm(inch)	R3/4in(DN20)	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	112/224/264	112/224/264

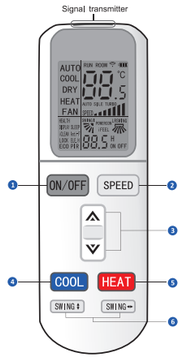
Specification-50/60Hz

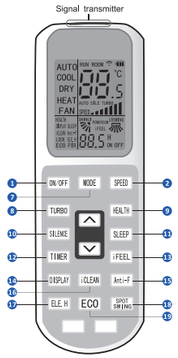
Model	Indoor		ARVCF-H80/NR1DF	ARVCF-H90/NR1DF	ARVCF-H112/NR1DF	ARVCF-H125/NR1DF	ARVCF-H140/NR1DF
Capacity	Cooling	kW	8.0	9.0	11.2	12.5	14.0
	Heating	kW	9.0	11.0	12.8	14.0	15.0
Electric Data	Power Supply	V~,Hz,Ph	220-240V,50/60,1	220-240V,50/60,1	220-240V,50/60,1	220-240V,50/60,1	220-240V,50/60,1
	Cooling/Heating Power Input	W	70	70	120	120	120
Performance	Air Flow Volume (TuHi/Mid/Low/SI)	m^3/h	1300/1245/1020/ 930/840	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/SI)	dB(A)	43/42/39/38/37	43/42/39/38/37	50/49/45/43/41	50/49/45/43/41	50/49/45/43/41
Dimension (W×D×H)	Net	mm	1280×690×235	1280×690×235	1600×690×235	1600×690×235	1600×690×235
	Packing	mm	1360×770×325	1360×770×325	1680×770×325	1680×770×325	1680×770×325
Weight	Net/Gross	kg	35.5/41	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)	9.52(3/8)
	Gas Side	mm(inch)	15.88(5/8)	15.88(5/8)	15.88(5/8)	15.88(5/8)	15.88(5/8)
	Drainage	mm(inch)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)
Stuffing Quantity	20/40/40H	unit	84/175/200	84/175/200	70/147/168	70/147/168	70/147/168

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

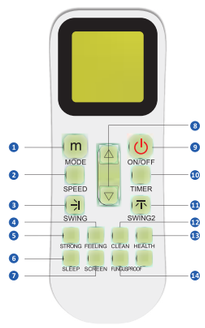
YK-L





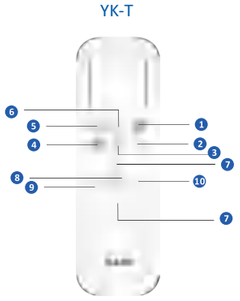
1. ON/OFF
2. Fan Speed Setting HIGH/MED/LOW/AUTO
3. Temperature-Setting /Timer Range Setting
4. Cooling Mode
5. Heating Mode
6. Vertical Swing/Horizontal Swing
7. Mode Setting AUTO/COOL/DRY/HEAT/FAN
8. Turbo Wind
9. Health Function
10. Silence Function
11. Sleep Function
12. Timer On/Off
13. I Feel Function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

YK-K



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

YK-T



1. ON/OFF
2. Mode Setting AUTO/ COOL/ DRY/ HEAT/ FAN
3. Time On/Off
4. Heating Mode
5. Cooling Mode
6. Fan Speed Setting Low/Mid/High/Turbo/Auto
7. Temperature-Setting /Timer Range Setting
8. MENU & OK Button
9. L/R SWING Button
10. U/D SWING Button

▶ Function

1. Background light

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

2. Addresses setting

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

▶ Specifications

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

Wired Controller

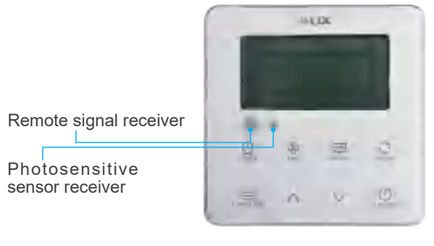


XK-05A

▶ Function

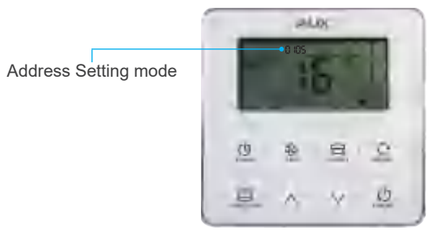
Built-In Remote Signal Receiver

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.





Indoor unit set to stop in 0.5 hours.

▶ 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.



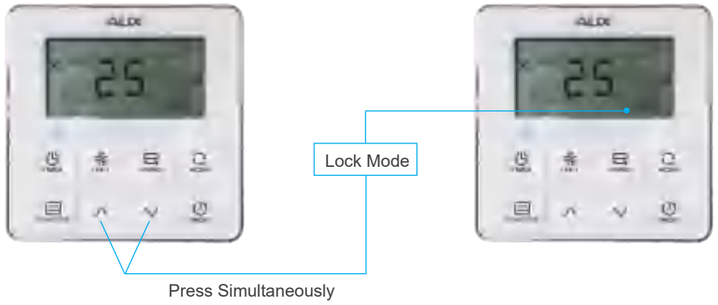
▶ Error Reporting

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

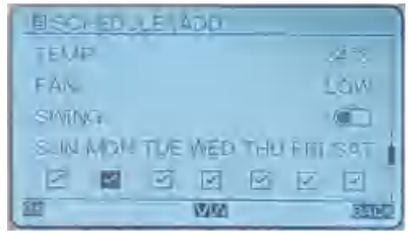


XK-06A

▶ New Features

Weekly timer function

Easy setting of weekly running status



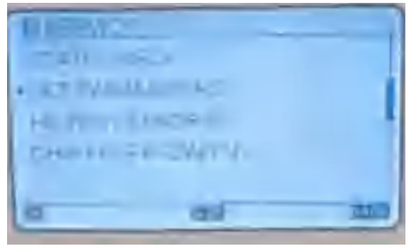
Display room temp (Optional)

Accurately display room temperature



Parameter Setting

Simple and convenient setting of parameter



History errors

Simple and quick search of history errors



▶ Features

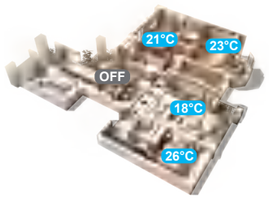
Specifications

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.





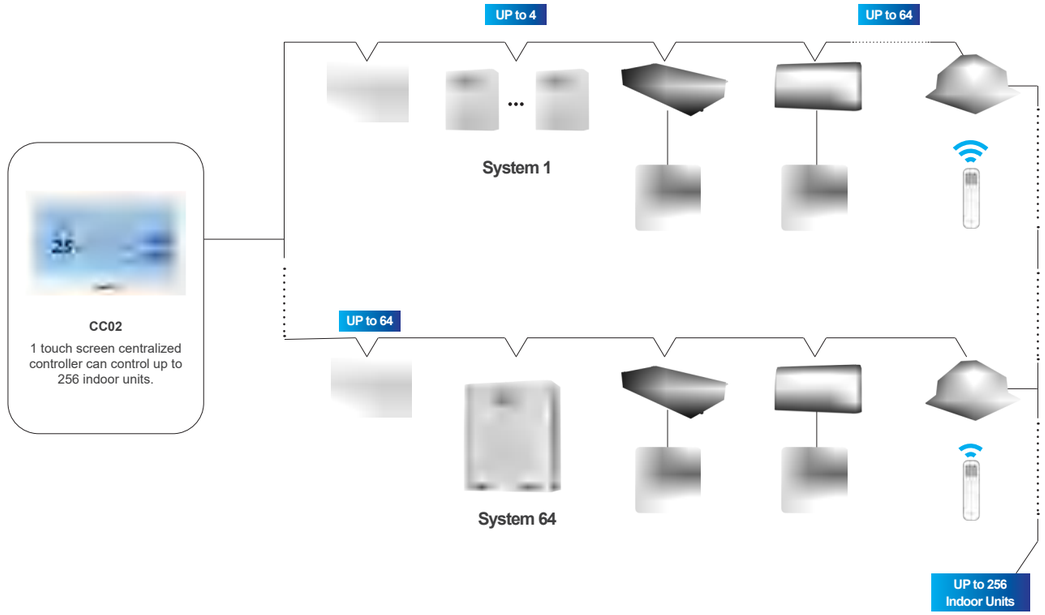
▶ Indoor Units Operation Status Display

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(Mini VRF)

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.

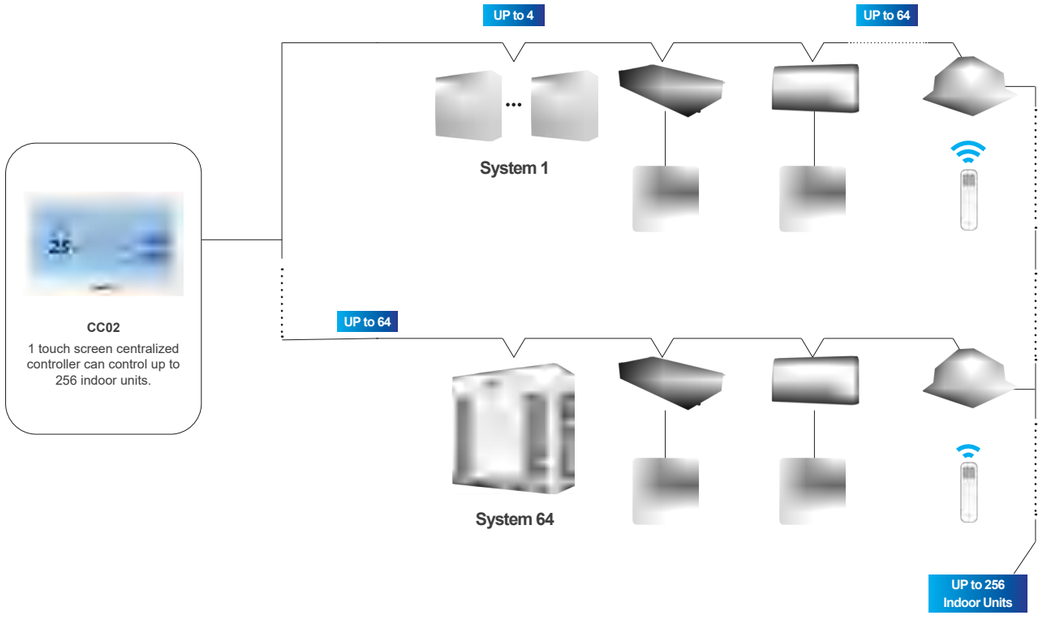


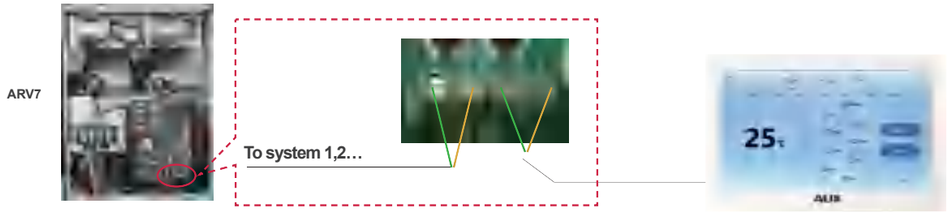
Main Components of Centralized Controller

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 (ARV7/ARV7S)

Meet different air solution for kinds of application sites.

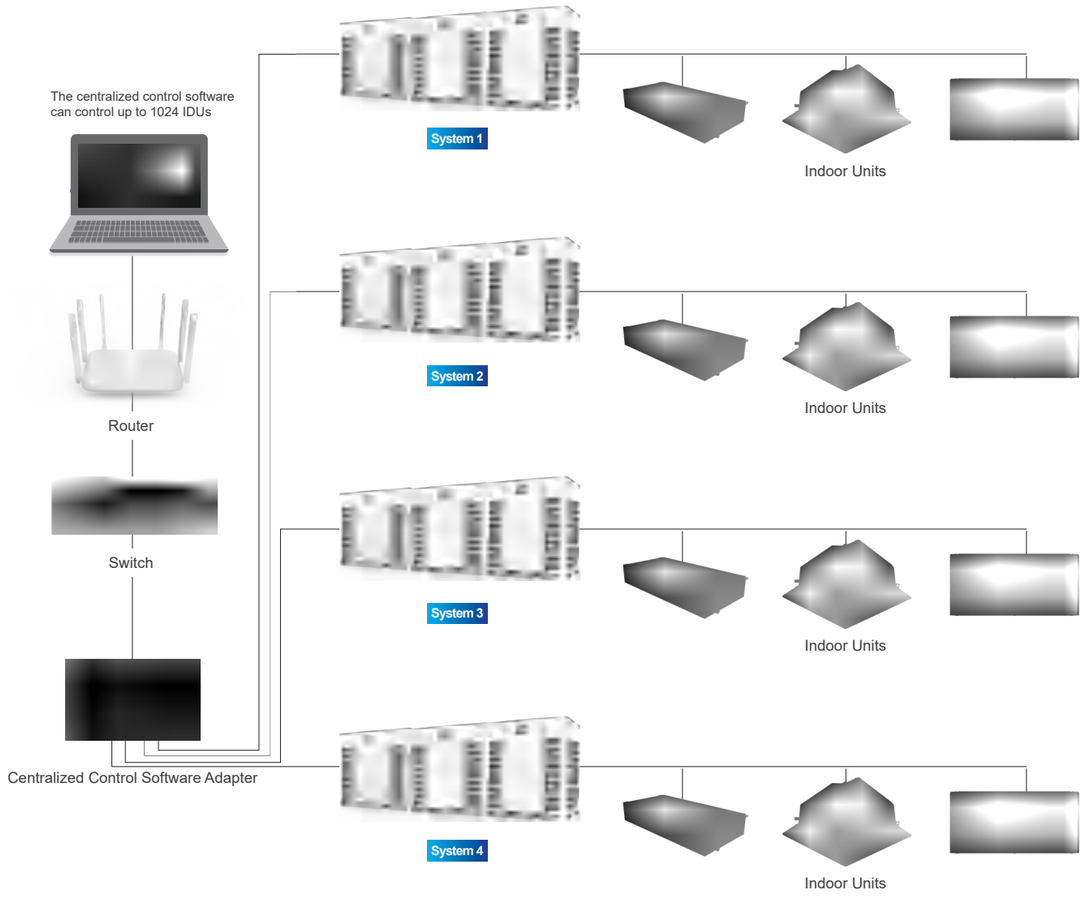




Notes:
It needs to set C9 and C10 parameters. For details, please contact AUX technical engineers

Centralized Control Software

▶ System Overview



▶ System Overview

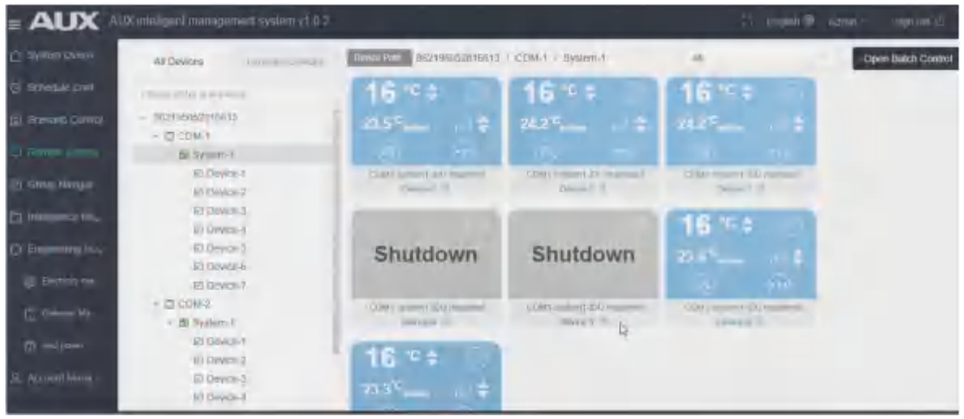
Users do not need to go to the harsh environment of the site, they can monitor the function of units just through computer. This greatly improves convenience of daily management and the efficiency of central air conditioners;
Timely find the fault and save the maintenance cost of air conditioner units,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

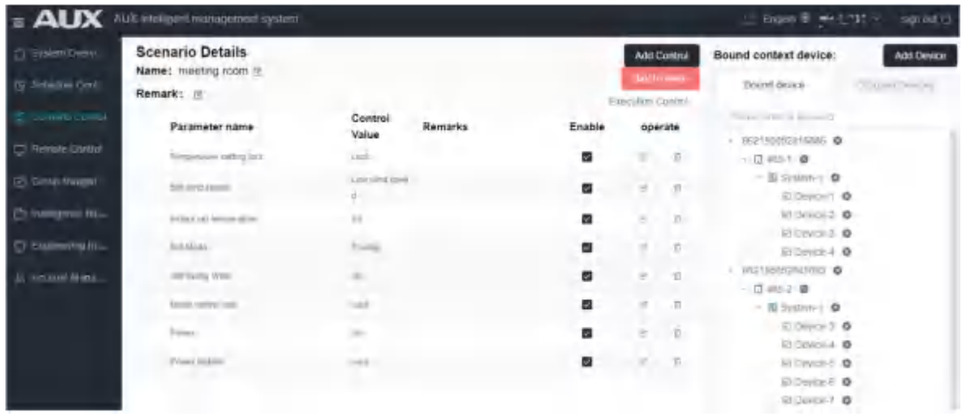
▶ Main Components Of Centralized Control System

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

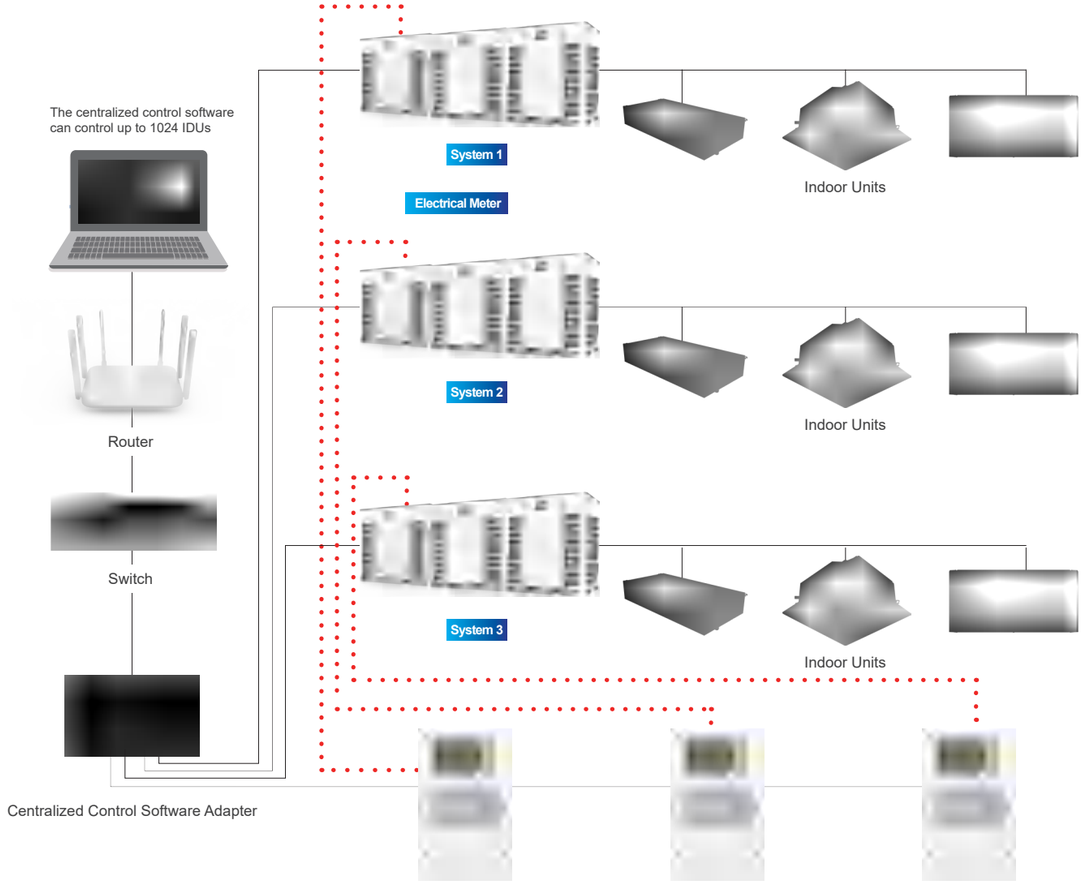
▶ Software Introduction Main Interface





Tenant billing solution

▶ System Overview



▶ System Overview

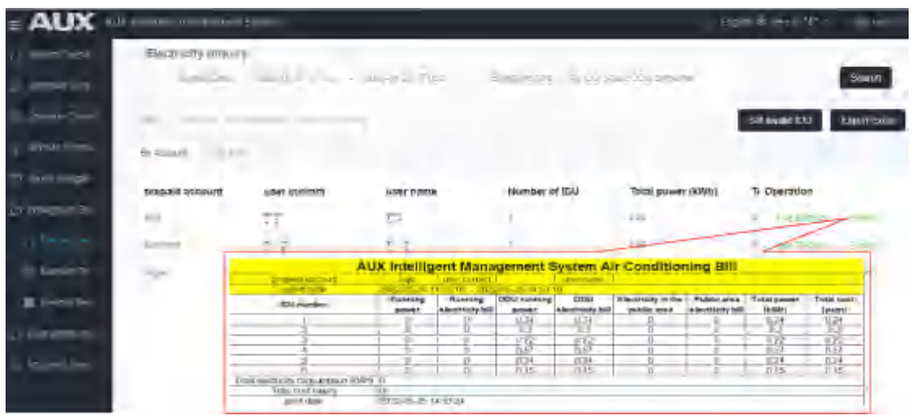
A function that proportionally distributes the total power used by the air conditioners in a rental building, measured by using an electricity meter among the tenants. This function is very suitable for ARV System.

▶ 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） 4. Baud rate:9600, 5. "even parity" by number of systems 6. 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

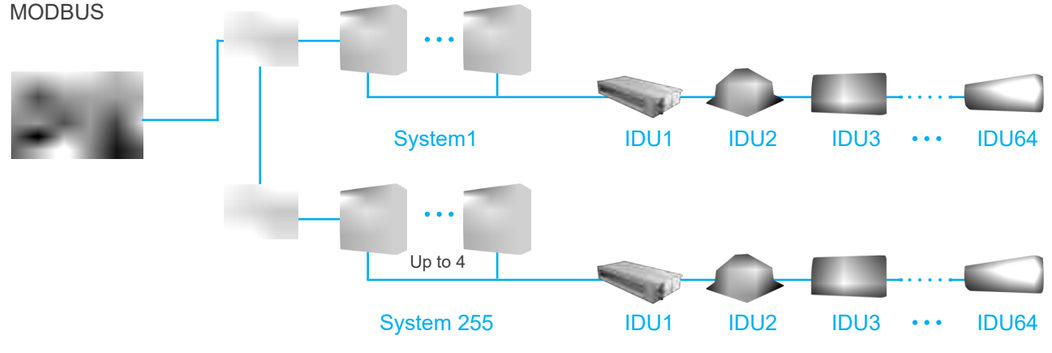
Notes:
Routers, switches and other equipments are purchased locally by the user

▶ Software Introduction Main Interface

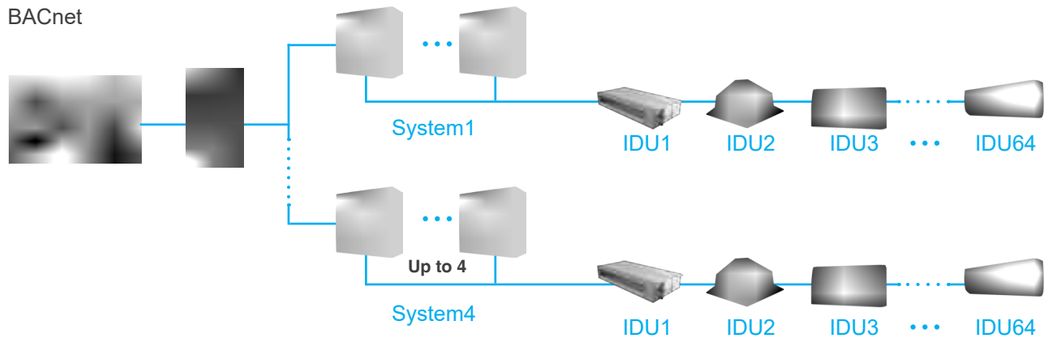


BMS System

▶ Overall Structure



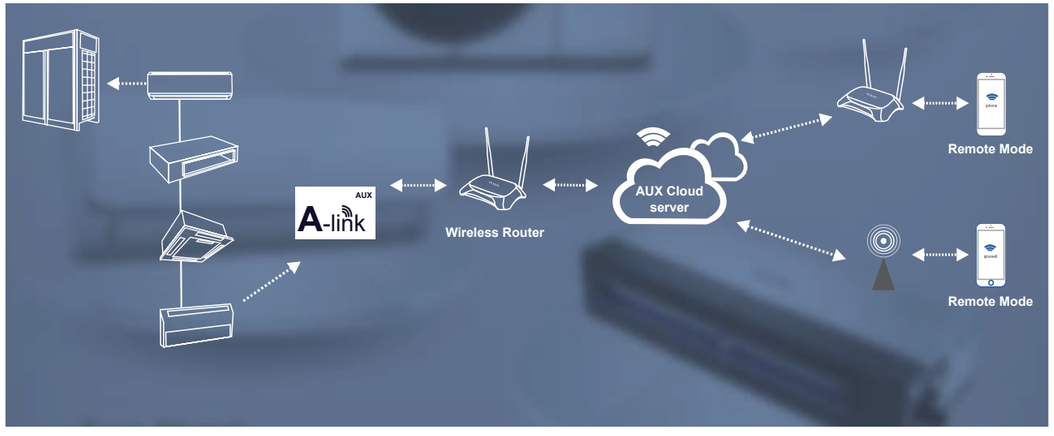
Notes:
MINI VRF requires connection to MINI gateway
For details, please contact AUX technical engineers



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

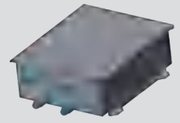
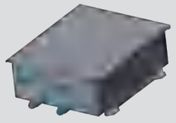




▶ Features

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.

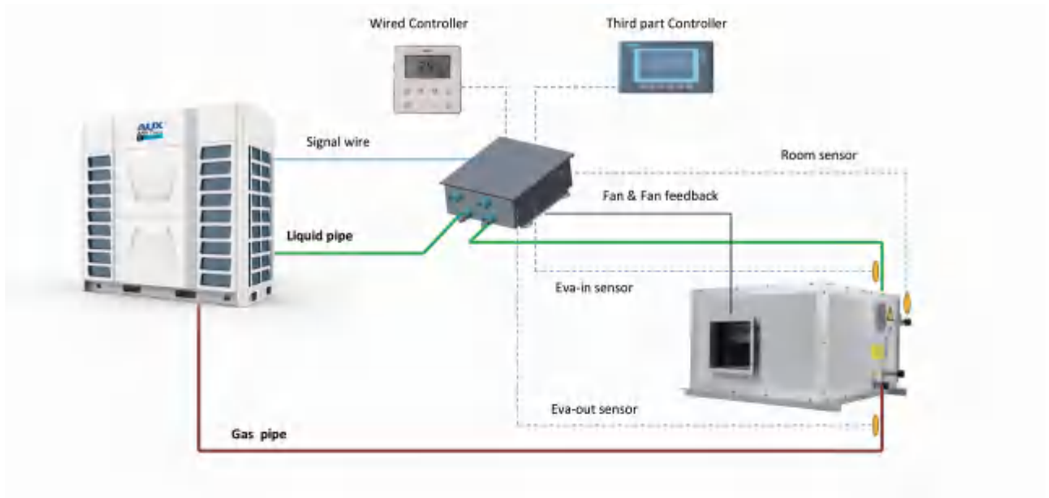
Accessories-AHU Kit

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	
					30-36	5.5-6.6	4500	
ARVK-02A	573×447×180	655×525×250	12	15	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	

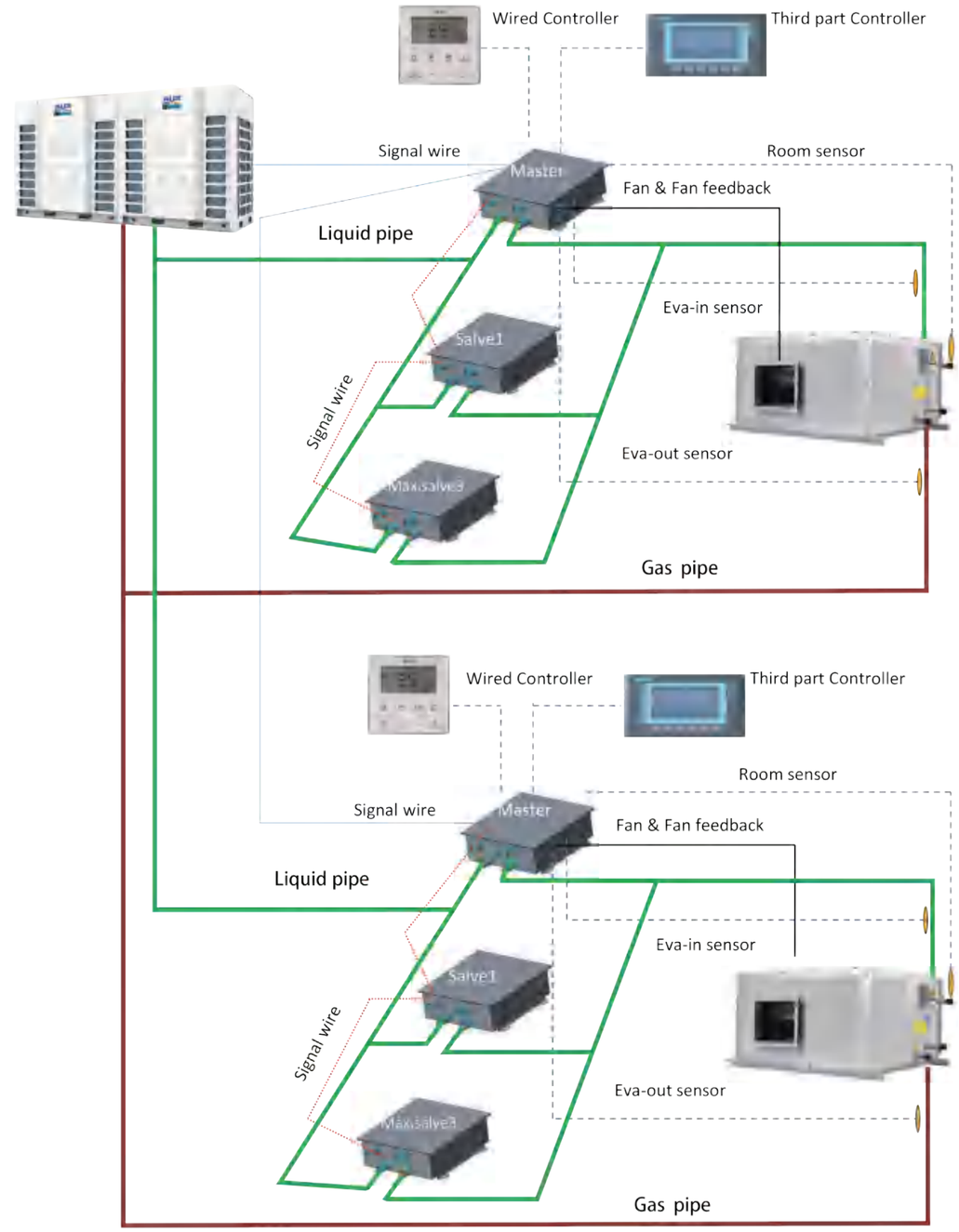
Remarks: applicable to MINI VRF (capacity ≥ 12KW)

▶ Single AHU connection



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

▶ Multi AHU connection

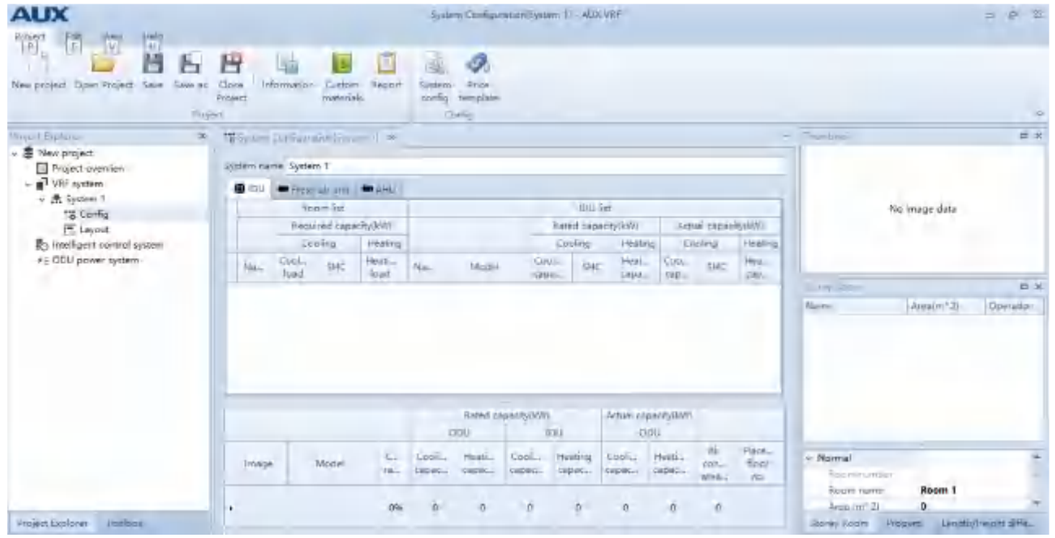


Above diagram suitable for factory default control, 0-10V(temperature control)

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.



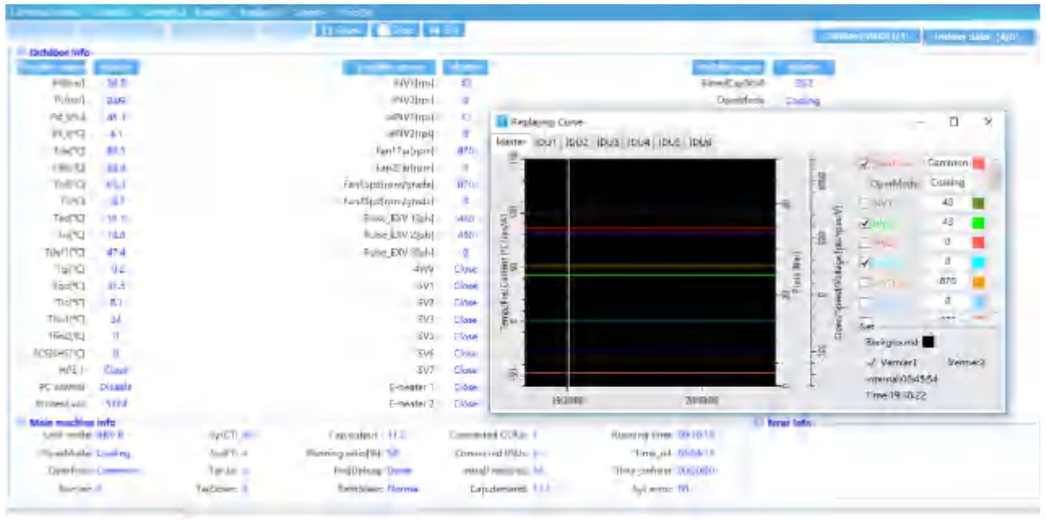




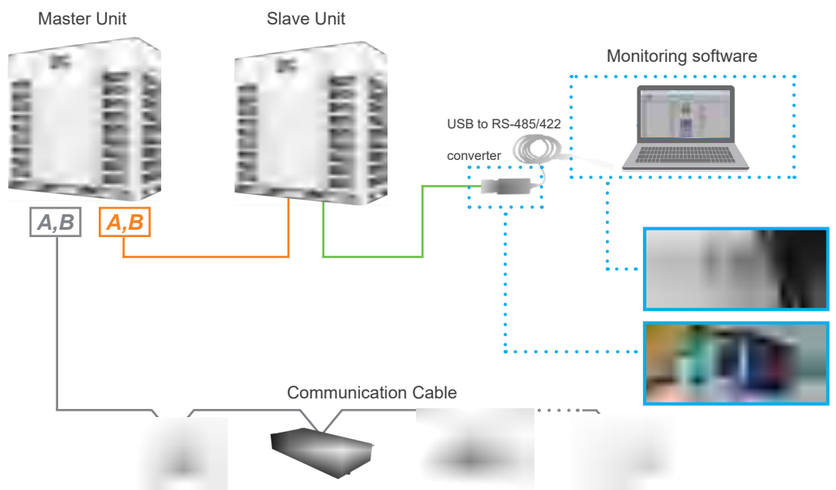
Accessories-Monitoring Software

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



▶ Installation Diagram



HRV-Heat Recovery Ventilator

Nomenclature

A HRV - 00 / 4

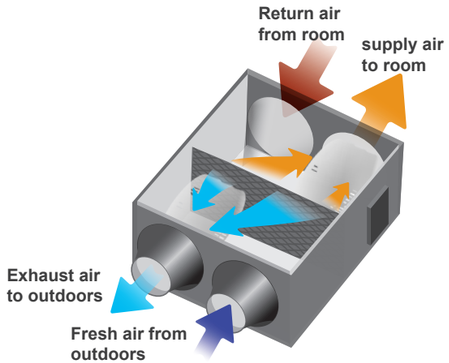
- 4: Power Supply: 4:220-240V~ , 1Ph, 50Hz 5:380-415V~ , 3Ph, 50Hz
- 00: Air Flow Volum(m^3/h)
- HRV: Heat Recovery Ventilator
- A: AUX

HRV-Heat Recovery Ventilator

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

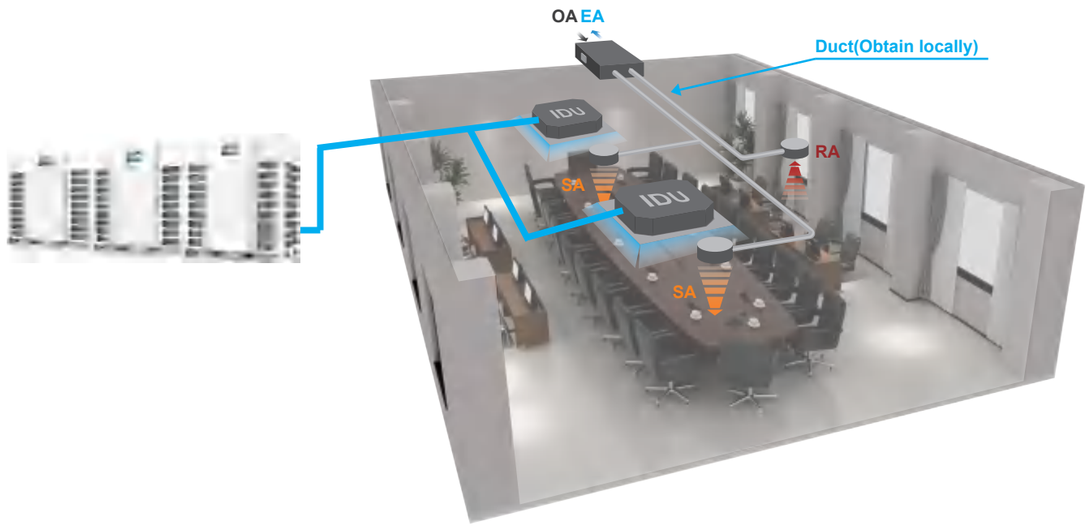
Units with a voltage range of 220V~240V are equipped with a 3-speed fan mode, adjusting the air flow rate in accordance with the ceiling height.
Innovative centrifugal fan provides larger air volume but lower noise, making the air supply more quietly and smoothly.

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



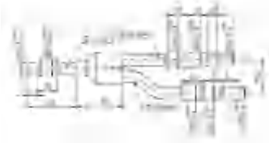
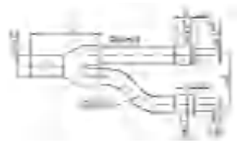
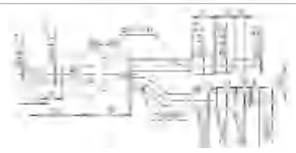
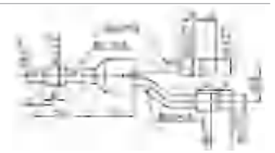
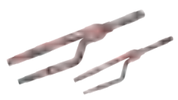
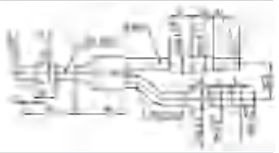
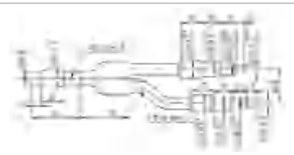
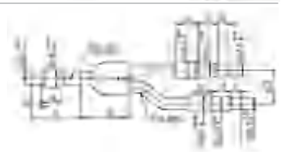
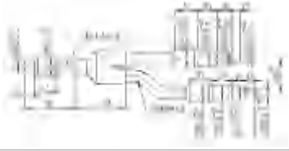
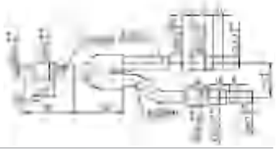
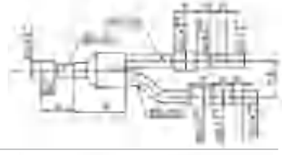
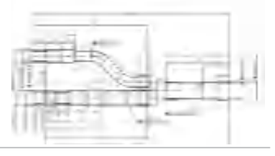
Specification-HRV

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	220~240,50,1
	Power Input	W	65	120	200	220	242	410	510
Cooling	Temp. Efficiency	%	60	60	60	60	60	60	60
	Enthalpy Efficiency	%	50	50	50	50	50	50	50
Heating	Temp. Efficiency	%	65	65	65	65	65	65	65
	Enthalpy Efficiency	%	55	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	220~240,50,1	220~240,50,1	380~415,50,3	380~415,50,3	380~415,50,3	380~415,50,3
	Power Input	W	1000	1200	2000	2100	2400	3000
Cooling	Temp. Efficiency	%	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)	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			
AFG-144B			

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



Izumi Office building

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



Solar rays building

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



EXPO 2021

Country: UAE
City: Dubai
Capacity 1176KW
Equipment: DC Inverter VRF(MINI ARV)
Date: 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