AUX
COMMERCIAL AIR CONDITIONER

Technology Leads Intelligent Life



# VRF SYSTEM

## COMMERCIAL AIR CONDITIONER

## EUROPEAN REGION

AUX CAC

@aux_cac_china

Official Accounts


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2025



# GROUP PROFILE

Established in 1986, AUX Group is an enterprise group which covers several industries: air conditioning, power utilization, power distribution, new energy and medical service. For many years we have ranked China's top 500 enterprises.

In 2024, the group's sales reached RMB 90.2 billion, with total assets of RMB 70.1 billion. We have over 40,000 employees, and 14 manufacturing bases in Ningbo (4), Nanchang, Tianjin, Ma'anshan, Zhengzhou, Wuhu, Brazil, Indonesia, Thailand, Poland, Germany and Mexico, and 6 R & D centers worldwide. AUX is a leading producer of Smart Meter and Power Box in its sector. Currently, we have invested and operated 50 medical institutions.

It owns 2 listed companies (601567.SH, 02080.HK). As a National-Recognized Enterprise Technology Center, a Technology Innovation Model Enterprise, National Intellectual Property Demonstration Enterprise and a National Post-doctoral Workstation, it owns two globally famous brands: AUX and Sanxing, which are worth over RMB 56 billion①.

When AUX is working on its development, it also cares about performing its social responsibilities. In the past years, we have donated RMB 309 million in total to various public programs, such as the field of targeted poverty alleviation, education, disaster relief and environment protection.

In the new era, aiming to become a world-class enterprise, AUX will keep carrying out the mission of "Leading smart living and cultivating great talents", and work hard to achieve the strategic goal of "100 billion market value, 100 billion sales and 10 billion profit".

Ref. AUX Group Official Website: https://en.auxgroup.com
Annotation: ① The data originates from World Brand Lab

**90.2**
Billion Yuan

**14**
Manufacturing Bases

**1986**
Founded

**6**
R&D Centers

**2**
Listed Companies

# MILESTONE

## Start-up & development (1986-2010)

Started from scratch, developed by self-improvement, completed the existing industrial structure

**1986**
started business

**1989**
Entered the meter industry and later created the brand of Sanxing

**1994**
Entered the air-conditioning industry and created the brand of AUX

**2000**
Enter the real estate industry

**2003**
Entered The CAC Field

**2004**
Got CNAS Certification

**2009**
Entered the investment industry

**2011**
Sanxing Electrical (601567.SH) was listed in Shanghai Stock Exchange and later renamed as "Sanxing Medical"

## Transformation and future ( 2011-present )

Took the first step in mindset changes, industrial transformation, capital transformation and strategy transformation

**2012**
Successively set up R&D centers in Hangzhou and Ningbo.

**2014**
Established the medical group to deploy the medical and health strategy

**2015**
Built overseas plants in Brazil and Indonesia

**2016**
The scale of air-conditioners jumped to the third place in the industry.

**2018**
Prepared to build production bases in Thailand and Zhengzhou Dedicated to making AUX Japanese R&D Center a global home appliance R&D highland

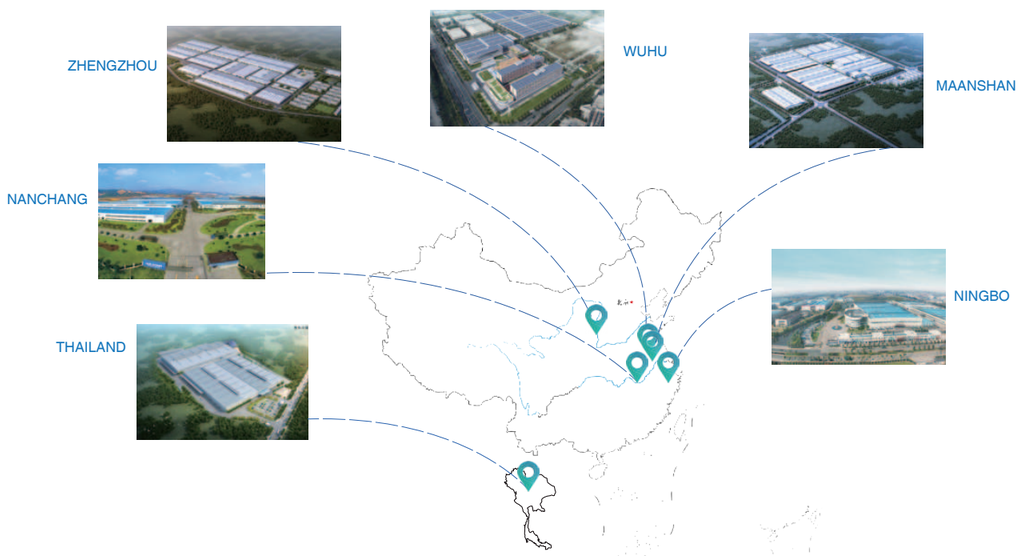
**2020**
Zhengzhou Intelligent Home Appliance Manufacturing Base Project started

**2021**
Became the official exclusive supplier of air conditioners for the 19th Asian Games Hangzhou 2022

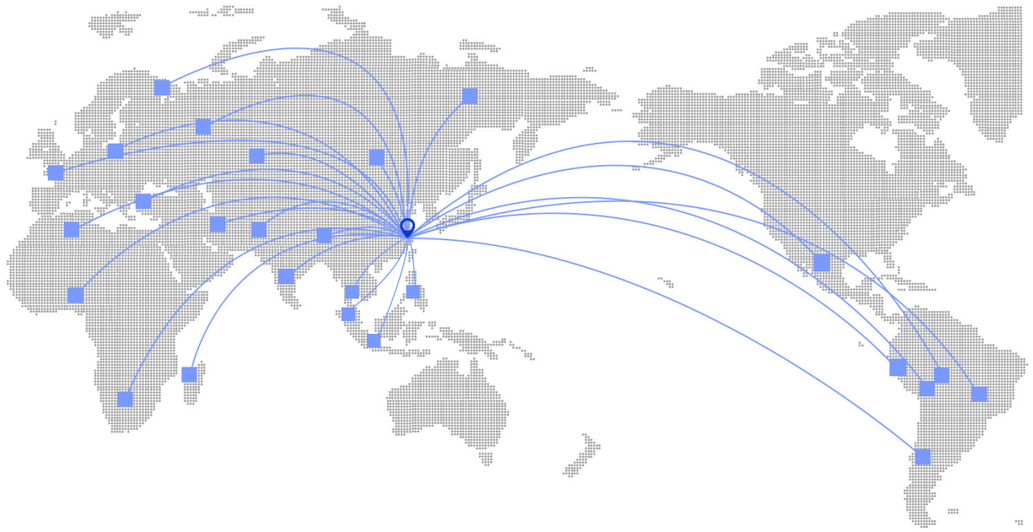
**2023**
Established sales companies in Malaysia, Thailand and the United States.

# Intelligent Manufacturing

## 7 production bases




## Exported to 100 countries and regions



# AWARDS




International Design Excellence Awards




Technological Invention Award



iF Design Award




Quality Leader Brand




Golden Reputation




Red Dot Award

# HONOR




Demonstration enterprise




Gold Award




Pilot enterprise



Vice Chairman Unit

# CERTIFICATION

ERP

CE

ROHS

EUROVENT

# VRF System

▶Feature

Efficiency

Healthy

Comfortable

Intelligent

Easy control

Easy maintenance

EUROVENT CERTIFIED PERFORMANCE
www.eurovent-certification.com



# Product Lineup

## R410A Modular VRF Outdoor Unit

### ARV 7: Scroll series

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

**8/10/12HP**



**14/16HP**



**18/20/22HP**



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



**38-72HP**



**74-108HP**



**110-144HP**





# Product Lineup

## R32 Mini VRF Outdoor Unit

| Capacity(kW) | | 8 | 10 | 12 | 14 | 16 | 18 | 22 | 25 | 28 | 33 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 380V~415V 50/ 60Hz |  | | | ● | ● | ● | | | | | |

## R410A Mini VRF Outdoor Unit

| Capacity(kW) | | 8 | 10 | 12 | 14 | 16 | 18 | 22 | 25 | 28 | 33 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 220V~240V 50/ 60Hz |  | ● | ● | ● | ● | ● | | | | | |
| 380V~415V 50/ 60Hz |  | | | | | | ● | ● | ● | ● | ● |

## Indoor Unit (DC fan motors)

| Capacity(kW) | Appearance | 1.5 | 2.2 | 2.5 | 2.8 | 3.2 | 3.6 | 4.0 | 4.5 | 5.0 | 5.6 | 6.3 | 7.1 | 8.0 | 9.0 | 10.0 | 11.0 | 11.2 | 12.5 | 14.0 | 15.0 | 16.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Compact Cassette |  | | | | ● | | ● | | ● | | ● | | | | | | | | | | | |
| Cassette Q |  | | | | | | | | | | ● | ● | ● | ● | | | | ● | ● | | | |
| Slim Duct Q |  | ● | ● | | ● | | ● | | ● | | ● | | ● | | | | | | | | | |
| Mid ESP Duct |  | | | | | | | | ● | | ● | ● | ● | ● | ● | ● | | | ● | ● | ● | ● |
| High ESP Duct （AC） |  | | | | | | | | | | | | | | | | | | ● | ● | ● | ● |
| Wall-mounted C (R32) |  | | ● | | ● | | ● | | ● | | ● | | ● | | | | | | | | | |
| Wall-mounted C (R410A) |  | | | | | | | | | | | | | ● | ● | ● | ● | | | | | |
| Ceiling&Floor |  | | | | ● | | ● | | ● | | ● | | ● | ● | ● | | | | ● | ● | ● | |

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

## AHU Kit

| Mode | Appearance | ARVK-0B | ARVK-00B | ARVK-01B | ARVK-02B | ARVK-03B |
|---|---|---|---|---|---|---|
| ARVK |  | ● | ● | ● | ● | ● |

## Heat Recovery Ventilator

| Air Volume($m^3$/h) | Appearance | 200 | 300 | 400 | 500 | 800 | 1000 | 1500 | 2000 | 2500 | 3000 | 4000 | 5000 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HRV |  | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |

# Product Lineup

## Indoor Unit

ARV - CA - H 028 / 4 R1 A

- A — Design Series Code
- 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
- 028 — Cooling Capacity (×100W)
- H — H: Cooling & Heating; C: Cooling Only
- CA — Indoor Unit Type: 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
- ARV — AUX Refrigerant Variable AC

## 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)

## VER Technology

### ▶ Variable Energy-efficiency Regulation

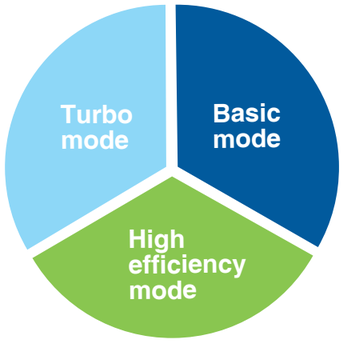
Evaporating and condensing temperature makes strong effect to the cooling and heating performance and energy-efficiency ratio of AC system.
Thanks to VER technology, ARV7 series has various modes with different refrigerant temperature which lead the system to different performance and energy-efficiency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



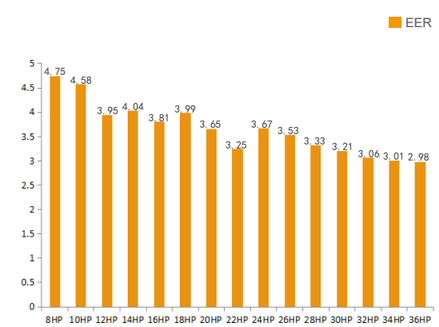

Users can choose a certain mode according to the actual need in different area and climate, so that the system can satisfy various requirement, and the seasonal efficiency can be optimized.

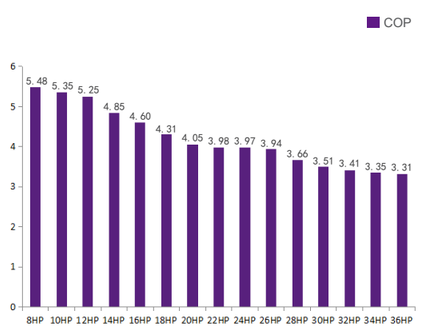


# High Efficiency and Energy Saving

### ▶ 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.

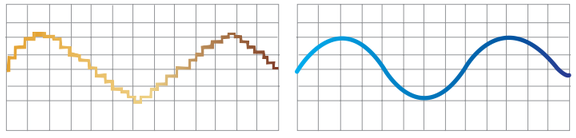



* Data from certification report: ERP, certification number: AHEE211200054953

### ▶ 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

The DC brushless motor adjusts the fan speed according to the system pressure and operating load, resulting in a significant increase in efficiency, and the S=uper Aero fan provides greater air volume and higher static pressure.



## ▶ Enhanced Vapor Injection DC Inverter Compressor

**EVI-Enhanced vapor injection**

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

**Optimize the asymmetric vortex design**

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

**Dynamic oil balance structure**

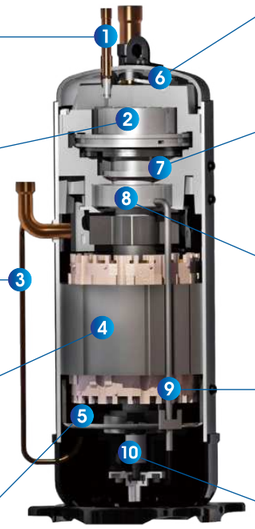
Oil balance tube implementation parallel compressor and oil quantity dynamic equilibrium, ensuring the reliability of several parallel compressors.

**High efficiency motor configuration**

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

**High pressure cavity structure**

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




**Pressure relief valve structure**

Improving the partial load efficiency, adapt to thet-ransformer 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.

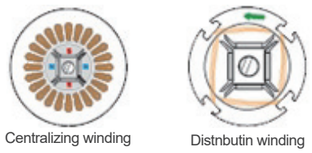
**Internal oil circulation structure**

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.

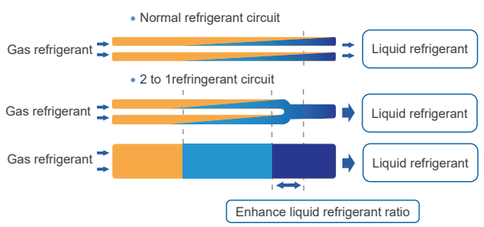
▶ High-efficient permanent magnetic motors are installed, giving better performance than traditional DC inverter compressors.



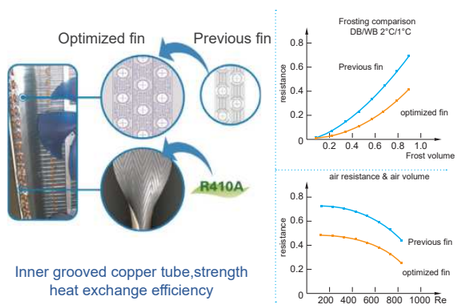

Better performance and smaller size than traditional DC inverter compressors.

## ▶ High Efficient Heat Exchanger

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




▶ Optimized fin design for reduced water resistance and wind resistance.

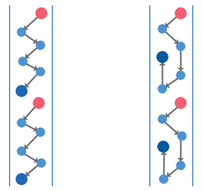


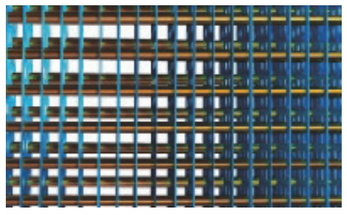

Inner grooved copper tube,strength heat exchange efficiency



## ▶ 2-stage Sub-cooling Technology

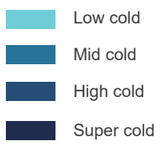
The first stage sub-cooling process due to optimized refrigerant circuit and “Inverse fin type” window fin design.

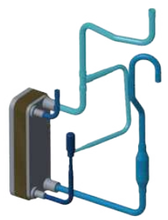




"Inverse fin type" window fin design

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.



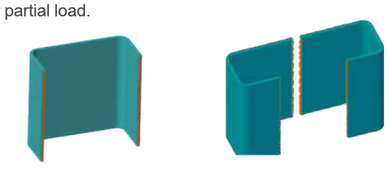

**Fan anticipation energy-saving adjustment technology**

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



## ▶ Wide Operation Range

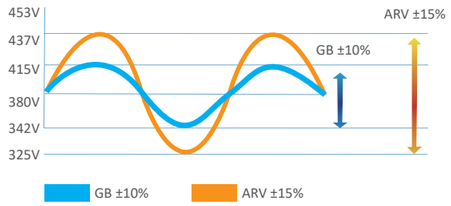
No matter in hot summer or cold winter, ARV 7 can supply comfortable environment for users.




*Data derived from AUX Performance Lab, June 13, 2023

## ▶ Wide Voltage Design

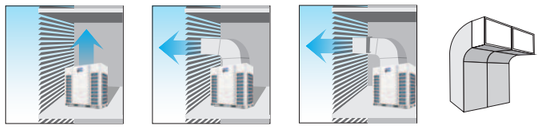
In Country with unstable voltage, ARV system still could run stably.




*Data sourced from AUX Performance Laboratory on January 30, 2024

## ▶ Changeable ESP

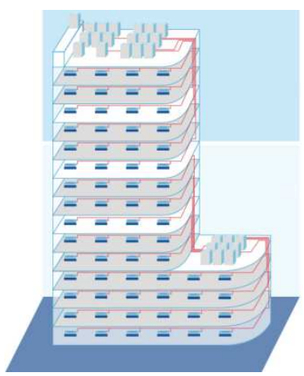
The optimized fan can provide outdoor units with static pressures of up to 70Pa (8-22HP) and 80Pa (24-36HP), which can be installed on the service floor or facility room.



*Data sourced from AUX Performance Laboratory on June 13, 2024.

## ▶ 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.

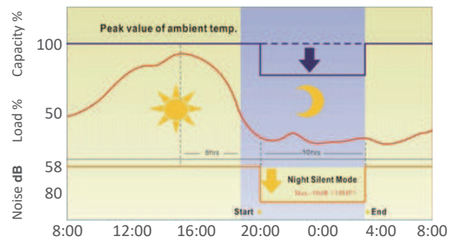




# Comfortable And Healthy Environment

## ▶ 12 levels silent modes

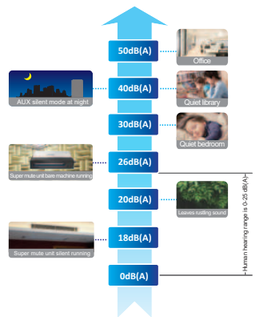
"6-levels night silent modes.
6-levels daytime silent modes".




*Data sourced from AUX laboratory on November 15, 2022

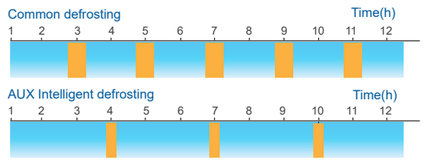
### Indoor Unit Quiet Mode

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

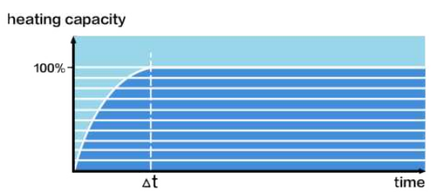





Normal air conditioner ARV 7

## ▶ Fast Warm Up And Cool Down

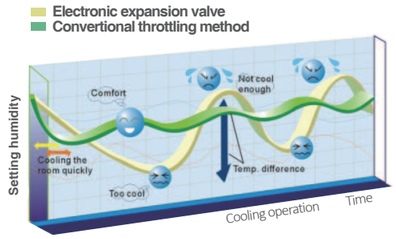
The DC Inverter Compressor system reaches full load rapidly providing less temperature fluctuation and an improved living environment, bring great user experience.



## ▶ Precise Temperature Control

Adopting composite temperature control technology, the set temperature can reach ± 0.5 °C.

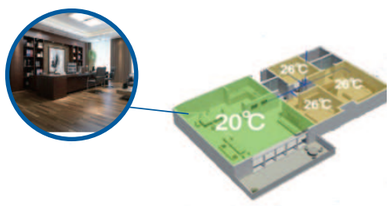





## ▶ Humanization Design

### VIP Function

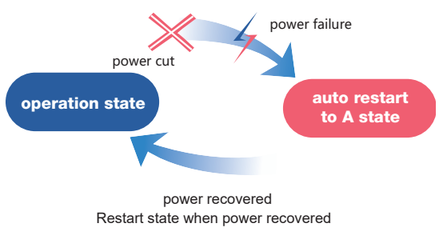
Special VIP control function, the VIP room will decide the whole system operation mode, prior to other mode or economic locking function, ensure the priority of the important room.




### 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.



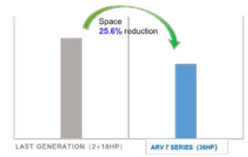



# Easy Installation & Maintenance

## ▶ Installation space saving

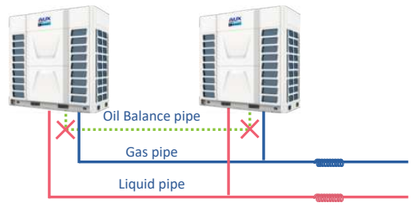
The ARV 7 Series has larger capacity and smaller size, the capacity of the single unit can reach 36HP. For many large projects, the benefits of space-saving are particularly obvious.



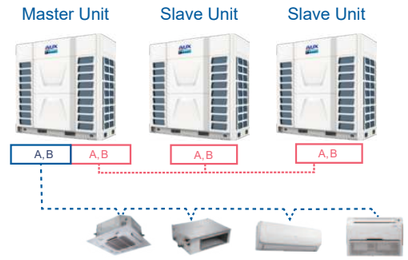

## ▶ No Oil Balance Pipe Between ODUS

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



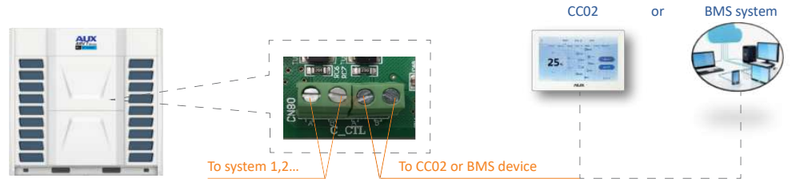

## ▶ Non-Polar Communication

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




## ▶ Centralized controller without Mini gateway

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

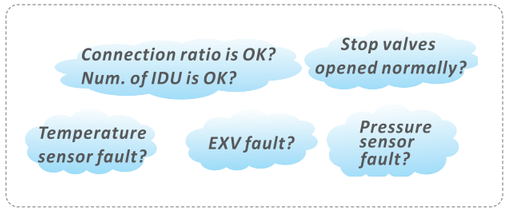



Same function: CC02(Max.64 systems&256 indoor units); MODBUS(Max.255 systems)

## ▶ 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.



## ▶ 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

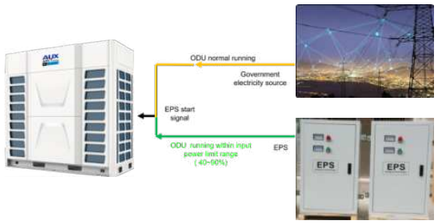
The unit has the function of energy saving and power limiting (40% - 100% output power limit). Users can choose the automatic energy saving mode. The system optimizes the output based on changes in ambient temperature, improving the comprehensive operating energy efficiency of the unit.




* Data from AUX Laboratory on November 20, 2022.

## ▶ EPS(emergency power source) control

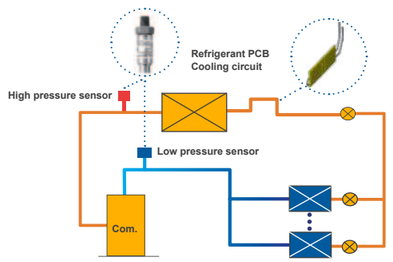
the ODU can be equipped with three-phase relays to effectively protect the PCB from voltage fluctuations.




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

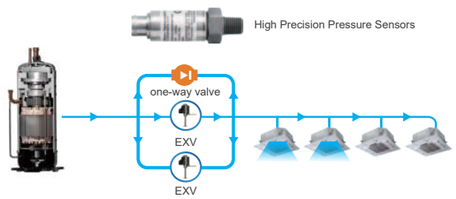
## ▶ Refrigerant PCB Cooling System

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




## ▶ Precise Refrigerant Control

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




## ▶ Module Alternate Operation

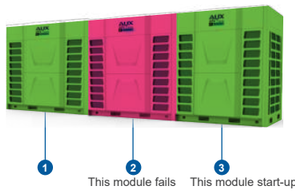
In one combination system,any module could run as the master unit according to the running time.Balance the life of the outdoor units in one system.



## ▶ Back-Up Operation Technology

### Module Emergency

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




### Compressor Emergency

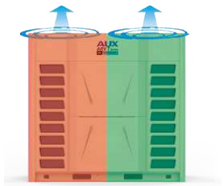
As one compressor breaks down, compressor emergency can be set, then another compressor in this unit can run normally.



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

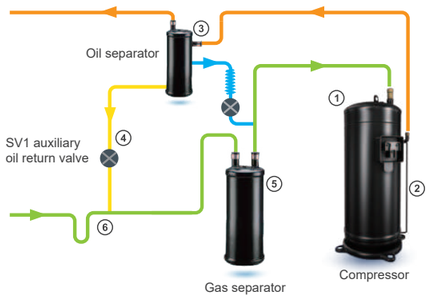
Monitor compressor running state and running time, computing system reasonable oil return time.

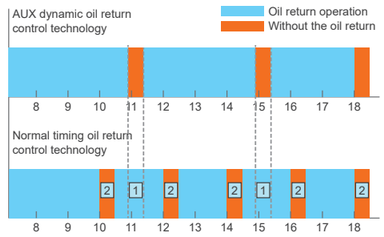
### 6-Step Oil Separating Technology

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

### Compressor Throwing Oil Technology

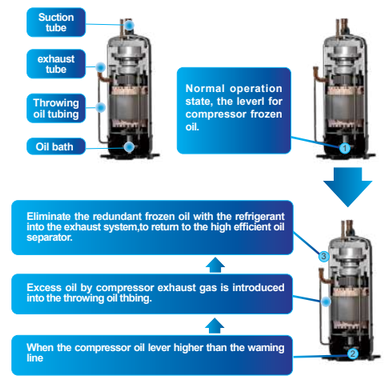
When the compressor oil level higher than the warning line, system through tubing eliminate redundant frozen oil, keep the oil balance between compressor.




1 Need oil return but there was no oil return operation, which can't guarantee the system stability and reliability.

2 Without oil return operation is to carry on the oil return operation, which cause unnecessary waste.




## ▶ Three-phase relay

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



## ▶ Complete Solutions

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

# ARV 7 Series



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

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



# ARV 7 Series



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

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

# ARV 7 Series

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

| HP | | | 8 | 10 | 12 | 14 |
|---|---|---|---|---|---|---|
| Model | | | ARV-H250/SR1MVB | ARV-H280/SR1MVB | ARV-H330/SR1MVB | ARV-H400/SR1MVB |
| capacity | Cooling | kW | 25.2 | 28 | 33.5 | 40 |
| | Heating | kW | 25.2 | 28.0 | 33.5 | 40.0 |
| Electric Data | Power Supply | V~,Hz,Ph | 380~415,50/60,3 | 380~415,50/60,3 | 380~415,50/60,3 | 380~415,50/60,3 |
| | Cooling Input | kW | 5.31 | 6.11 | 8.48 | 9.90 |
| | EER | W/W | 4.75 | 4.58 | 3.95 | 4.04 |
| | Heating Input | kW | 4.60 | 5.23 | 6.38 | 8.25 |
| | COP | W/W | 5.48 | 5.35 | 5.25 | 4.85 |
| Performance | Air Flow Volume | m3/h | 12000 | 12000 | 12000 | 14000 |
| | Noise Level | dB(A) | ≤58 | ≤58 | ≤58 | ≤61 |
| Maximum no. indoor units | | n | 13 | 16 | 19 | 23 |
| 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/SR1MVB | ARV-H500/SR1MVB | ARV-H560/SR1MVB | ARV-H610/SR1MVB |
| capacity | Cooling | kW | 45 | 50.4 | 56 | 61.5 |
| | Heating | kW | 45.0 | 50.4 | 56.0 | 61.5 |
| Electric Data | Power Supply | V~,Hz,Ph | 380~415,50/60,3 | 380~415,50/60,3 | 380~415,50/60,3 | 380~415,50/60,3 |
| | Cooling Input | kW | 11.82 | 12.63 | 15.34 | 18.90 |
| | EER | W/W | 3.81 | 3.99 | 3.65 | 3.25 |
| | Heating Input | kW | 9.78 | 11.69 | 13.83 | 15.44 |
| | COP | W/W | 4.60 | 4.31 | 4.05 | 3.98 |
| Performance | Air Flow Volume | m3/h | 14000 | 16000 | 16000 | 16000 |
| | Noise Level | dB(A) | ≤61 | ≤63 | ≤63 | ≤63 |
| Maximum no. indoor units | | n | 26 | 30 | 33 | 36 |
| 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.

Remarks:
1.Data from AUX lab, Data may change according to test surroundings, AUX reserves right of explanation on data.
2.All specifications are subject to change by the manufacturer without prior notice.



## ARV7 Series 380~415V -50/60Hz

| HP | | | 24 | 26 | 28 | 30 |
|---|---|---|---|---|---|---|
| Model | | | ARV-H680/SR1MVB | ARV-H730/SR1MVB | ARV-H785/SR1MVB | ARV-H850/SR1MVB |
| capacity | Cooling | kW | 68.0 | 73.0 | 78.5 | 85.0 |
| | Heating | kW | 75.0 | 81.5 | 87.5 | 95.0 |
| Electric Data | Power Supply | V~,Hz,Ph | 380~415,50/60,3 | 380~415,50/60,3 | 380~415,50/60,3 | 380~415,50/60,3 |
| | Cooling Input | kW | 18.52 | 20.7 | 23.55 | 26.48 |
| | EER | W/W | 3.67 | 3.53 | 3.33 | 3.21 |
| | Heating Input | kW | 18.90 | 20.69 | 23.90 | 27.05 |
| | COP | W/W | 3.97 | 3.94 | 3.66 | 3.51 |
| Performance | Air Flow Volume | m3/h | 29000 | 29000 | 29000 | 30000 |
| | Noise Level | dB(A) | ≤62 | ≤62 | ≤63 | ≤64 |
| Maximum no. indoor units | | n | 40 | 42 | 46 | 49 |
| 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

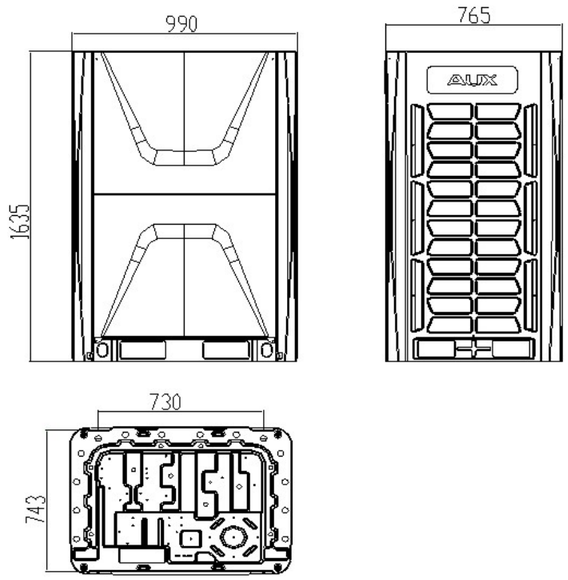
| HP | | | 32 | 34 | 36 |
|---|---|---|---|---|---|
| Model | | | ARV-H900/SR1MVB | ARV-H950/SR1MVB | ARV-H1010SR1MVB |
| capacity | Cooling | kW | 90.0 | 95.2 | 101.0 |
| | Heating | kW | 100.0 | 106.0 | 112.0 |
| Electric Data | Power Supply | V~,Hz,Ph | 380~415,50/60,3 | 380~415,50/60,3 | 380~415,50/60,3 |
| | Cooling Input | kW | 29.42 | 31.64 | 33.92 |
| | EER | W/W | 3.06 | 3.01 | 2.98 |
| | Heating Input | kW | 29.32 | 31.65 | 33.84 |
| | COP | W/W | 3.41 | 3.35 | 3.31 |
| Performance | Air Flow Volume | m3/h | 30000 | 30000 | 30000 |
| | Noise Level | dB(A) | ≤64 | ≤66 | ≤66 |
| Maximum no. indoor units | | n | 53 | 57 | 61 |
| 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.

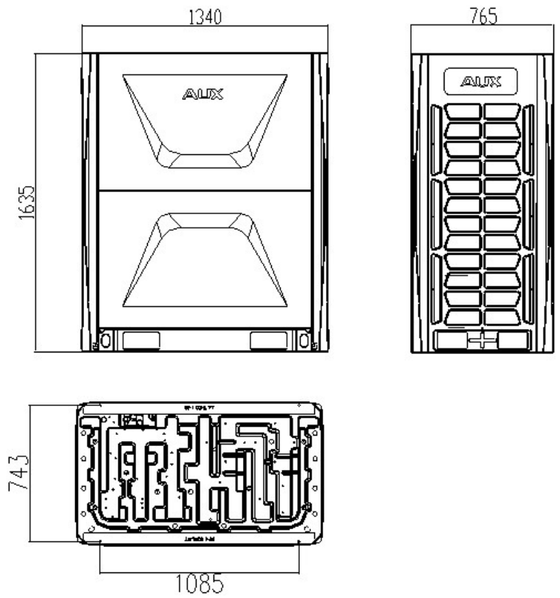
Remarks:
1.Data from AUX lab, Data may change according to test surroundings, AUX reserves right of explanation on data.
2.All specifications are subject to change by the manufacturer without prior notice.

# Dimension

ARV-H250/SR1MVB ARV-H280/SR1MVB ARV-H330/SR1MVB (Unit: mm)



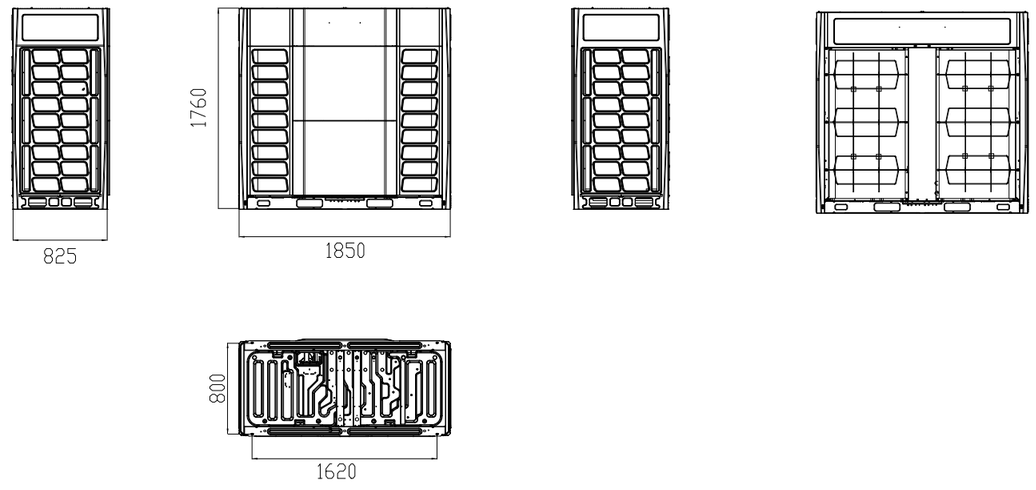

ARV-H400/SR1MVB ARV-H450/SR1MVB
ARV-H500/SR1MVB ARV-H560/SR1MVB ARV-H610/SR1MVB (Unit: mm)





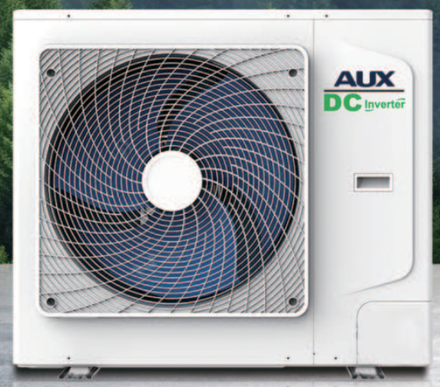

# Dimension

ARV-H680/SR1MVB ARV-H730/SR1MVB ARV-H785/SR1MVB ARV-H850/SR1MVB
ARV-H900/SR1MVB ARV-H950/SR1MVB ARV-H1010/SR1MVB



# R32 MINI VRF
## All DC Inverter

| 12kW | 14kW | 16kW |
|---|---|---|
| ● | ● | ● |




### ▶ R32 Environmental refrigerant

The GWP (greenhouse gas global warming potential) of R32 is smaller than that of R410A. Under the same cooling capacity, the charging amount of R32 is less than that of R410A.



### ▶ External refrigerant leak alarm

Installed indoors at a distance of less than 0.3m from the ground, the interior contains infrared refrigerant leakage sensor and buzzer, when detecting refrigerant leakage, alarm alarm, safer use.



### ▶ Built-in refrigerant recovery valve

A variety of indoor units can be connected together, and multiple indoor units can be freely combined in a system. So mini VRF is the best choice for some places with multiple rooms.



### ▶ Dc inverter compressor

The electromagnetic noise and rotor loss caused by AC frequency conversion compressor are overcome to achieve high efficiency and low noise.

### ▶ Oil return without stopping

In heating mode, the compressor increases the frequency to achieve oil return without switching to cooling mode for a more comfortable experience.

### ▶ Multiple indoor unit

A variety of indoor units can be connected together, and multiple indoor units can be freely combined in a system. So mini VRF is the best choice for some places with multiple rooms.

### ▶ PCB refrigerant cooling

The main control board is cooled by the refrigerant, which has a high cooling effect and ensures the efficient operation of the system.






# 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.

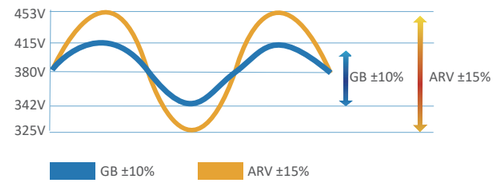
## ▶ Diversification of installation

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.



## ▶ Wide Voltage Design

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




* Data Source: December 2024 AUX Performance Lab.

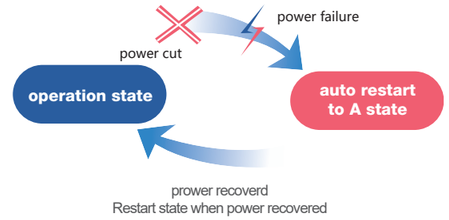
## ▶ 26°C economic locking

All indoor units will run as energy saving mode state.




## ▶ Auto Restart Function

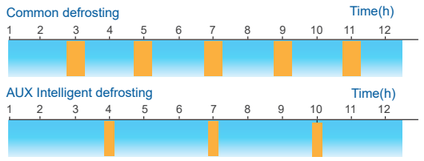
The AC can automatically memorize the operation setting when power is cut off accidently. It can return to previous setting when power resumes.




* Data source: June 2023 Experimental validation by AUX Reliability Laboratory.

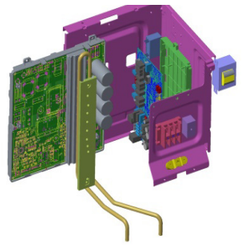
## ▶ Intelligent Defrosting

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 .



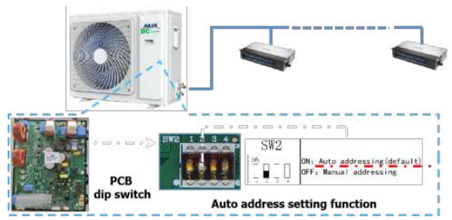
## ▶ NEW type Intergraded PCB design(2→1)

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

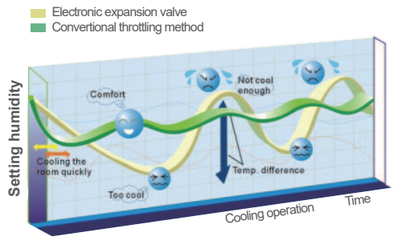
About 3 dB reduce than normal mode , Little influence with your neighbors.



* Data Source: May 23, 2024 AUX Noise Lab Experiments.

## ▶ 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.




* Data Source:2024.May AUX performance lab erp experiment.

## ▶ 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 MINI 50/60Hz Sigle-Phase(DC)

| Model | Outdoor | | ARV-H80/NR1A | ARV-H100/NR1A | ARV-H120/NR1A | ARV-H140/NR1A | ARV-H160/NR1A |
|---|---|---|---|---|---|---|---|
| Capacity | Cooling | kW | 8.0 | 10.0 | 12.1 | 14.0 | 15.5 |
| | Heating | kW | 9.00 | 12.00 | 14.00 | 16.00 | 18.00 |
| Electric Data | Power Supply | V~,Hz,Ph | 220~240,1N~50/60 | 220~240,1N~50/60 | 220~240,1N~50/60 | 220~240,1N~50/60 | 220~240,1N~50/60 |
| | Cooling Power Input | kW | 2.00 | 2.55 | 3.20 | 3.75 | 4.80 |
| | Heating Power Input | kW | 1.95 | 2.97 | 3.45 | 3.85 | 4.60 |
| | Cooling Current | A | 9.10 | 11.60 | 14.50 | 17.00 | 21.80 |
| | Heating Current | A | 8.90 | 13.50 | 15.70 | 17.50 | 20.90 |
| | EER | | 4.00 | 3.92 | 3.78 | 3.73 | 3.23 |
| | COP | | 4.62 | 4.04 | 4.06 | 4.16 | 3.91 |
| | SEER | | 6.00 | 6.05 | 6.82 | 6.85 | 6.80 |
| | SCOP | | 3.80 | 3.80 | 3.75 | 4.84 | 4.30 |
| Performance | Air Flow Volume | $m^3/h$ | 4100 | 4100 | 4890 | 5100 | 5100 |
| | Noise Level | dB(A) | 54 | 54 | 56 | 56 | 56 |
| Maximum no. indoor units | | n | see installation manual | | | | |
| 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 |

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

| Model | Outdoor | | ARV-H120/SR1DCS1A | ARV-H140/SR1DCS1A | ARV-H160/SR1DCS1A | ARV-H180/SR1DCS7A |
|---|---|---|---|---|---|---|
| Capacity | Cooling | kW | 12.1 | 14.0 | 15.5 | 18 |
| | Heating | kW | 14.0 | 16.0 | 18 | 20 |
| 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 |
| | Cooling Power Input | kW | 3.25 | 3.80 | 4.80 | 5.20 |
| | Heating Power Input | kW | 3.45 | 3.85 | 4.60 | 5.00 |
| | Cooling Current | A | 5.00 | 5.80 | 7.60 | 8.00 |
| | Heating Current | A | 5.30 | 5.90 | 7.30 | 7.70 |
| | EER | | 3.72 | 3.68 | 3.23 | 3.46 |
| | COP | | 4.06 | 4.16 | 3.91 | 4.00 |
| | SEER | | 6.20 | 6.10 | 6.10 | 6.10 |
| | SCOP | | 4.10 | 4.00 | 4.00 | 4.00 |
| Performance | Air Flow Volume | $m^3/h$ | 5100 | 5100 | 5100 | 6700 |
| | Noise Level | dB(A) | 56 | 56 | 57 | 58 |
| Maximum no. indoor units | | n | see installation manual | | | |
| Piping Limite | Max. Length | m | 100 | 100 | 100 | 150 |
| | Max. Heigth | m | 30 | 30 | 30 | 50 |
| Connection Ratio | | % | 50~130 | 50~130 | 50~130 | 50~130 |
| Dimension (WxDxH) | Net | mm | 990×420×860 | 990×420×860 | 990×420×860 | 940*340*1320 |
| | Packing | mm | 1100×545×980 | 1100×545×980 | 1100×545×980 | 1080*430*1440 |
| Weight | Net | kg | 79 | 79 | 79 | 90 |
| | Gross | kg | 90 | 90 | 90 | 100 |
| Refrigerant Type | | | R410A | R410A | R410A | R410A |
| Pipe Diameter | Liquid Side | mm(inch) | 9.52(3/8) | 9.52(3/8) | 9.52(3/8) | 9.52(3/8) |
| | Gas Side | mm(inch) | 15.88(5/8) | 15.88(5/8) | 15.88(5/8) | 19.05(6/8) |
| Operation Range | Cooling | °C | -15~49 | -15~49 | -15~49 | -15~55 |
| | Heating | °C | -20~24 | -20~24 | -20~24 | -20~24 |
| Stuffing Quantity | 20/40/40H | unit | 40/84/84 | 40/84/84 | 40/84/84 | 27/55/54 |

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.

Remarks:
1.Data from AUX lab, Data may change according to test surroundings, AUX reserves right of explanation on data.
2.All specifications are subject to change by the manufacturer without prior notice.

# ARV Mini Series

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

| Model | Outdoor | | ARV-H224/SR1DCMA | ARV-H252/SR1DCMA | ARV-H280/SR1DCMA | ARV-H335/SR1DCMA |
|---|---|---|---|---|---|---|
| Capacity | Cooling | kW | 22.4 | 25.2 | 28.5 | 33.5 |
| | Heating | kW | 25.0 | 27.0 | 31.5 | 37.50 |
| 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 |
| | Cooling Power Input | kW | 5.72 | 5.75 | 7.50 | 7.95 |
| | Heating Power Input | kW | 5.65 | 5.65 | 6.70 | 7.85 |
| | Cooling Current | A | 9.60 | 9.70 | 12.60 | 13.40 |
| | Heating Current | A | 9.50 | 9.50 | 11.40 | 13.30 |
| | EER | | 3.92 | 4.38 | 3.80 | 4.21 |
| | COP | | 4.78 | 4.78 | 4.70 | 4.78 |
| | SEER | | / | / | / | / |
| | SCOP | | / | / | / | / |
| Performance | Air Flow Volume | $m^3/h$ | 11000 | 11000 | 11000 | 15300 |
| | Noise Level | dB(A) | 43-57 | 43-57 | 43-57 | 43-58 |
| Maximum no. indoor units | | n | see installation manual | | | |
| Piping Limite | Max. Length | m | 560 | 560 | 560 | 560 |
| | Max. Heigth | m | 50 | 50 | 50 | 50 |
| Connection Ratio | | % | 50~130 | 50~130 | 50~130 | 50~130 |
| Dimension (WxDxH) | Net | mm | 1120×400×1540 | 1120×400×1540 | 1120×400×1540 | 1120×400×1540 |
| | Packing | mm | 1270×560×1710 | 1270×560×1710 | 1270×560×1710 | 1270×560×1710 |
| Weight | Net | kg | 145 | 145 | 145 | 152 |
| | Gross | kg | 155 | 155 | 155 | 162 |
| Refrigerant Type | | | R410A | R410A | R410A | R410A |
| Pipe Diameter | Liquid Side | mm(inch) | 12.7(1/2) | 12.7(1/2) | 12.7(1/2) | 12.7(1/2) |
| | Gas Side | mm(inch) | 22.22(7/8) | 22.22(7/8) | 22.22(7/8) | 22.22(7/8) |
| Operation Range | Cooling | °C | -15~49 | -15~49 | -15~49 | -15~55 |
| | Heating | °C | -20~24 | -20~24 | -20~24 | -20~24 |
| Stuffing Quantity | 20/40/40H | unit | 17/37/37 | 17/37/37 | 17/37/37 | 17/37/37 |

## R32 MINI ARV 50/60Hz Three-Phase(DC)

| Model | Outdoor | | ARV-H120/SR3DCSA | ARV-H140/SR3DCSA | ARV-H160/SR3DCSA |
|---|---|---|---|---|---|
| Capacity | Cooling | kW | 12.1 | 14.0 | 15.5 |
| | Heating | kW | 14.0 | 16.0 | 18 |
| Electric Data | Power Supply | V~,Hz,Ph | 380~415,3N~50/60 | 380~415,3N~50/60 | 380~415,3N~50/60 |
| | Cooling Power Input | kW | 3.25 | 3.80 | 4.80 |
| | Heating Power Input | kW | 3.45 | 3.85 | 4.60 |
| | Cooling Current | A | 5.00 | 5.80 | 7.60 |
| | Heating Current | A | 5.30 | 5.90 | 7.30 |
| | EER | | 3.72 | 3.68 | 3.23 |
| | COP | | 4.06 | 4.16 | 3.91 |
| | SEER | | 7.03 | 7.10 | 6.99 |
| | SCOP | | 4.09 | 5.06 | 4.60 |
| Performance | Air Flow Volume | $m^3/h$ | 4840 | 4840 | 5100 |
| | Noise Level | dB(A) | 55 | 56 | 57 |
| Maximum no. indoor units | | n | see installation manual | | |
| Piping Limite | Max. Length | m | 100 | 100 | 100 |
| | Max. Heigth | m | 30 | 30 | 30 |
| Connection Ratio | | % | 50~130 | 50~130 | 50~130 |
| Dimension (WxDxH) | Net | mm | 990×420×860 | 990×420×860 | 990×420×860 |
| | Packing | mm | 1100×545×980 | 1100×545×980 | 1100×545×980 |
| Weight | Net | kg | 79 | 79 | 79 |
| | Gross | kg | 89 | 89 | 89 |
| Refrigerant Type | | | R32 | R32 | R32 |
| Pipe Diameter | Liquid Side | mm(inch) | 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) |
| Operation Range | Cooling | °C | -15~49 | -15~49 | -15~49 |
| | Heating | °C | -20~24 | -20~24 | -20~24 |
| Stuffing Quantity | 20/40/40H | unit | 40/84/84 | 40/84/84 | 40/84/84 |

Remarks:
1.Data from AUX lab, Data may change according to test surroundings, AUX reserves right of explanation on data.
2.All specifications are subject to change by the manufacturer without prior notice.



# MODULAR ARV MINI

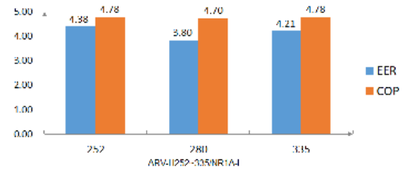
### ▶ Large Capacity&Free Combination

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.



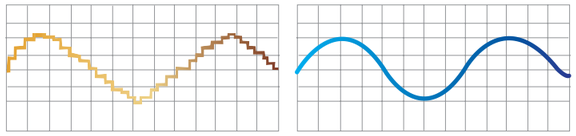
### ▶ High EER And COP

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 resulting in a significant increase in efficiency.The super aero fan provides a larger air volume and higher static pressure.



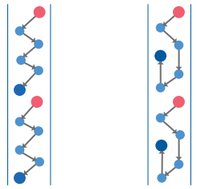

### ▶ Module Alternate Operation

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.



## ▶ 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.

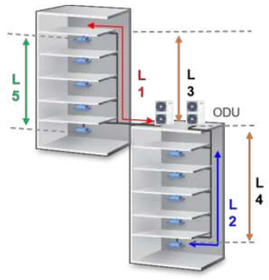



*Data Source: July 13, 2023 AUX Software Functionality Testing

## ▶ Long Piping Length

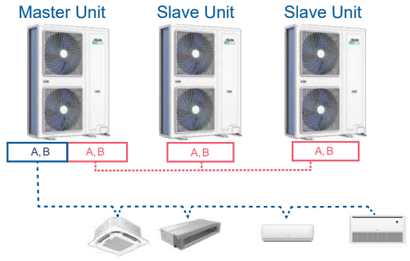
Max. Total piping length — 560m
Max.piping length between ODU and farthest IDU — 150/175m
Max. piping length from 1st indoor branch to the farthest indoor unit — 40m
Max. Level difference between indoor units — 30m
Max. Level difference between ODU and IDU units — 40m/50m

*Data Source: theoretical calculation



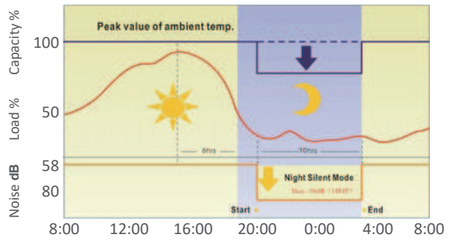

## ▶ Non-Polar Communication

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




## ▶ 12 levels silent modes

“6-levels night silent modes.
6-levels daytime silent modes”.




*Data Source: July 13, 2023 AUX Software Functionality Testing.



# Indoor Units



**Compact Cassette** ..... 

**Cassette Q** ..... 

**Wall-mounted C** ..... 

**Slim Duct Q** ..... 

**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.



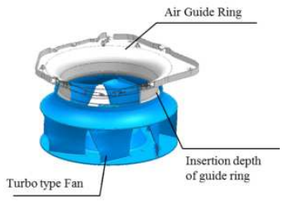
### ▶ Fresh Air Intake

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 Q

## Feature

### ▶ Digital display board

Capable of displaying temperature, error codes, and operating status, The controller supports setting the temperature to 0.5°C.



### ▶ Independent swing air control

Four air blades can be independently controlled to meet personalized air supply needs.



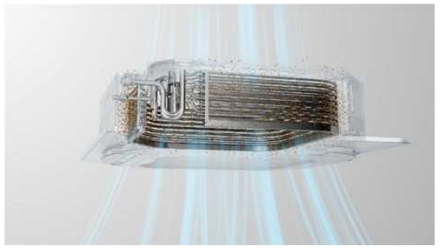
### ▶ Slim body

Capable of displaying temperature, error codes, and operating status, The controller supports setting the temperature to 0.5°C.



### ▶ Self-cleaning

Self-cleaning technology and high-temperature treatment help reduce surface pollutans on the evaporator,contributing to cleaner and fersher air



### ▶ Wifi function(Standard)

Remotely control the air conditioner to achieve temperature adjustment, mode setting, etc., making life more intelligent and convenient.



### ▶ Easy disassemble

The motor is easy to disassemble, without the need to remove the drain pan.



# Wall-mounted C (R32)

## Feature

### ▶ I-FEEL

The remote control is equipped with a sensor that can obtain the temp,of user and feedback to the AC to adjust the gap between the set/actual temp automatically



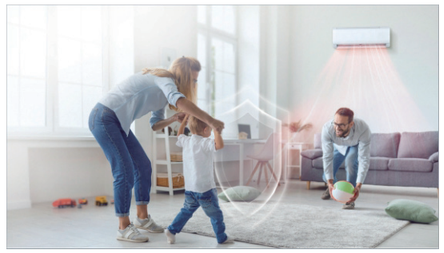
### ▶ PCB Pluggable

No need of dismantling middle framePCB direct removal



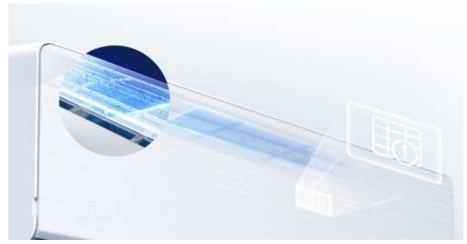
### ▶ Anti-cold air design

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



### ▶ Intelligent cleaning reminder

The dirt condition on filter screen could be displayed through light board to remind users of cleaning it in time.



### ▶ WIFI Function

Intelligent remote control, convenient operation



### ▶ Easy Installation and Maintenance

Installation guide diagram and built-in level help
quickly locate the installation position, detachable underjaw and plate support design provide more operating space to pipe connections



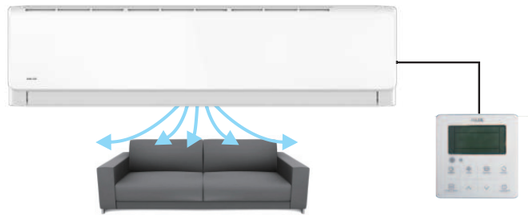
# Wall-mounted C (R410A)



## Feature

### ▶ 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.



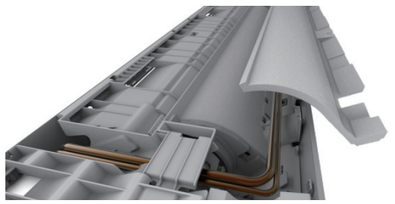
### ▶ 2 Ways Draining Connection

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



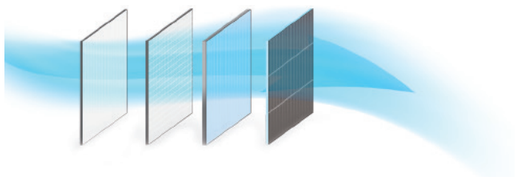
### ▶ Nanoscale chassis protection foam

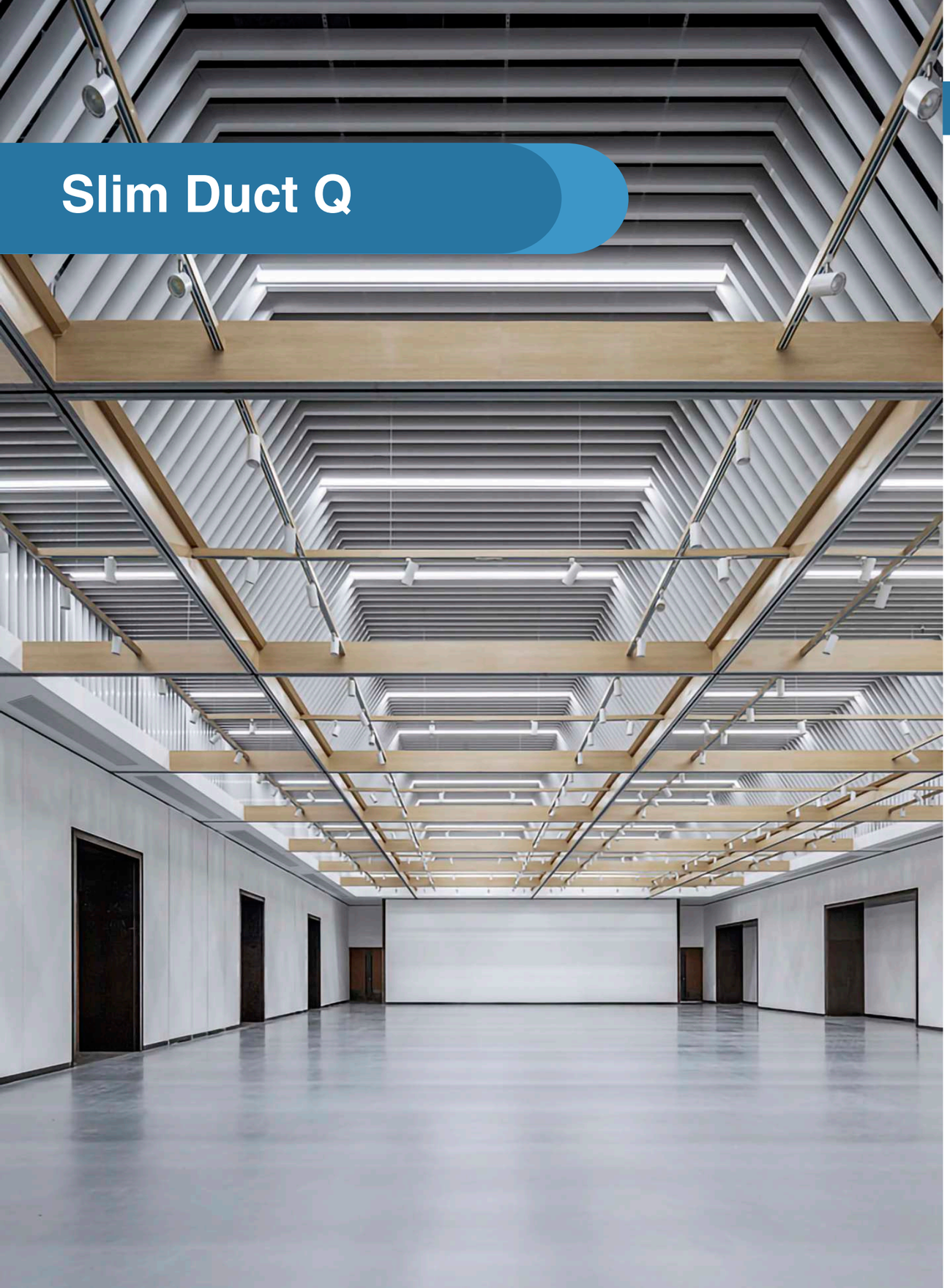
Adopt integrated nanoscale protection foam, with moisture resistance and heat preservation improved significantly



### ▶ Better experience

AUX adopt high density filter, good quality , filtering effect and easy to clean.





# Slim Duct Q

## Feature

### ▶ Fresh air inlet

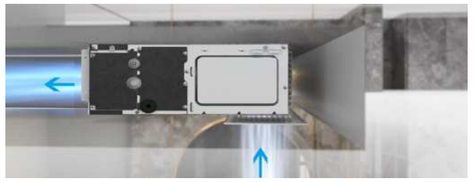
Fresh air inlet design, fresh air can be introduced to ensure fresh air in the room.




### ▶ Two return air modes are selected

Two return air modes are selected (back return air and bottom return air), and the bottom plate is removed to change the lower return air.





### ▶ Design of hanger position

There is a distance between the hanger and the top cover for easy lifting by hand.



### ▶ New structure

Strength analysis through simulation,optimize the structure, improve the strength, not easily deformed during transportation.



### ▶ Electric control box built-in

Built in electronic control box, and the stuffing quantity is greatly increased.

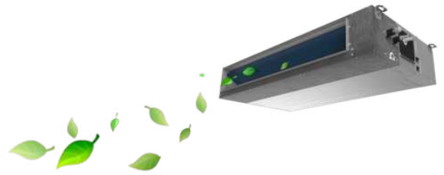


# MID ESP DUCT

## Feature

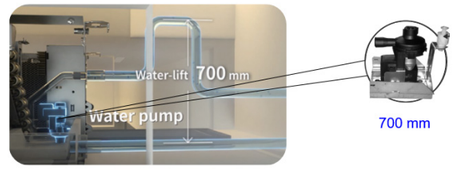
### ▶ Fresh air inlet

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



### ▶ Silent water pump

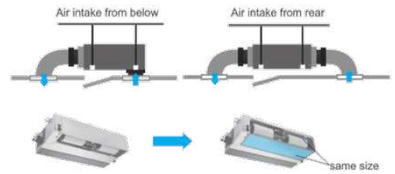
Select silent water pump to ensure different customer installation requirements.




* Data from Zhongbao Laboratory on June 2, 2016.

### ▶ Two return air modes are selected

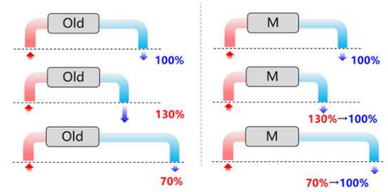
Two return air modes are selected (back return air and down return air), Easy to change.




### ▶ Constant Air Flow Volume

(only certain model support)

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




* Data from AUX Performance Lab on July 1, 2022.

### ▶ ESP meet kinds application

(Only DC models support)

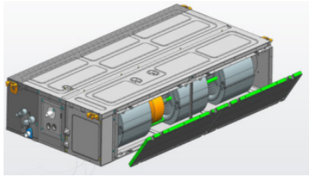
Widest ESP range (0-150Pa) with possibility to change ESP by controller and meet different kinds application like apartment, villa...




* Data from AUX Performance Lab on July 1, 2022.

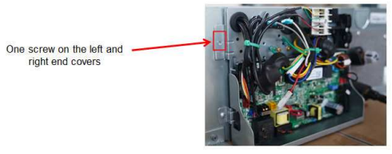
### ▶ W Type High effeciency filter screen

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

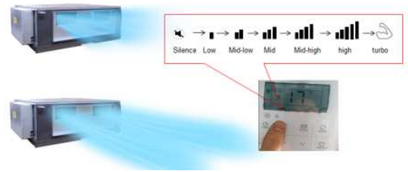
### ▶ Changeable ESP

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

* Data from AUX Performance Lab on April 22, 2020.

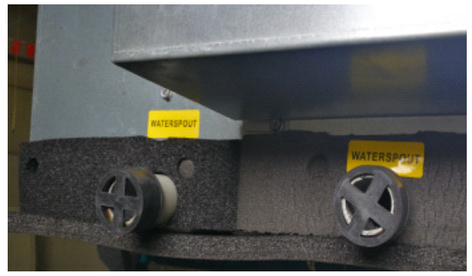
### ▶ Multiple wind speed options(Only DC models support)

DC fan motor ,7 fan speed meet customer requirement.



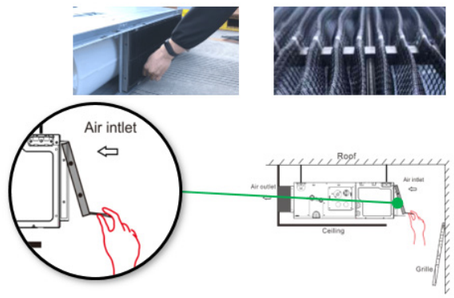

### ▶ Double drainage pan

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.

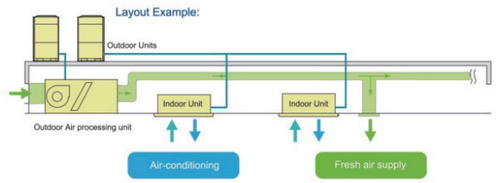


# Fresh Air Processor

## Feature

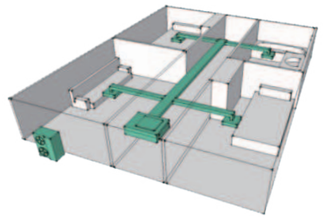
### ▶ Innovative Air Supply Technology For Excellent Room Temperature Control

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




### ▶ Long Distance Air Supply

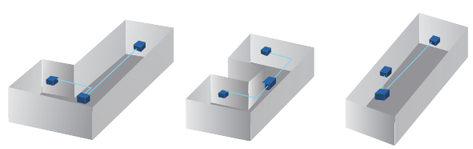
High ESP makes the air supply distance up to 250pa.



* Data from AUX Performance Lab on April 22, 2020.

### ▶ 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



* Data from November 18, 2019 air supply distance laboratory.

### ▶ Beautiful Design of Display Board

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



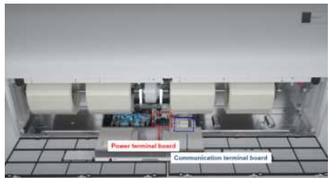

### ▶ Anti-condensation

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



### ▶ Safe and Reliable

Separate design of power and communication terminal to ensure safety



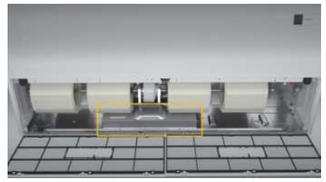

### ▶ Fresh air intake

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



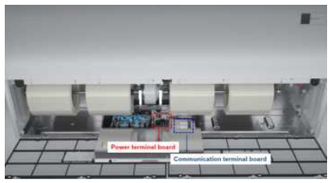
### ▶ Easy drainage

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



# R410A/R32
# Compact Cassette



## Specification-50/60Hz DC fan motor

| Model | Indoor | | ARVCA-H28/NR3DYBA | ARVCA-H36/NR3DYBA |
|---|---|---|---|---|
| Capacity | Cooling | kW | 2.8 | 3.6 |
| | Heating | kW | 3.0 | 4.3 |
| Electric Data | Power Supply | V~,Hz,Ph | 220~240,50(60),1 | 220~240,50(60),1 |
| | Rated Power | W | 30 | 30 |
| Performance | Air Flow Volume(Tu/Hi/Mid/Low) | m3/h | 810/765/670/625 | 810/765/670/625 |
| | Noise Level(Tu/Hi/Mid/Low) | dB(A) | 39/36/32 | 39/36/32 |
| Dimension (WxDxH) | Net(Body) | mm | 570×570×260 | 570×570×260 |
| | Packing(Body) | mm | 720×650×290 | 720×650×290 |
| | Net(Panel) | mm | 650x650x55 | 650x650x55 |
| | Packing(Panel) | mm | 710x710x80 | 710x710x80 |
| Weight | Net/Gross(Body) | kg | 15/18 | 15/18 |
| | Net/Gross(Panel) | kg | 2.2/3.7 | 2.2/3.7 |
| Refrigerant Type | | | R410A/R32 | R410A/R32 |
| Pipe Diameter | Liquid Side | mm(inch) | 6.35 | 6.35 |
| | Gas Side | mm(inch) | 12.7 | 12.7 |
| | Drainage | mm(inch) | R3/4in(DN20) | R3/4in(DN20) |
| Stuffing Quantity | 20/40/40H | unit | 216/432/486 | 216/432/486 |

## Specification-50/60Hz DC fan motor

| Model | Indoor | | ARVCA-H45/NR3DYBA | ARVCA-H56/NR3DYBA |
|---|---|---|---|---|
| Capacity | Cooling | kW | 4.5 | 5.6 |
| | Heating | kW | 5.0 | 6.3 |
| Electric Data | Power Supply | V~,Hz,Ph | 220~240,50(60),1 | 220~240,50(60),1 |
| | Rated Power | W | 30 | 30 |
| Performance | Air Flow Volume(Tu/Hi/Mid/Low) | m3/h | 810/765/670/625 | 810/765/670/625 |
| | Noise Level(Tu/Hi/Mid/Low) | dB(A) | 39/36/32 | 39/36/32 |
| Dimension (WxDxH) | Net(Body) | mm | 570×570×260 | 570×570×260 |
| | Packing(Body) | mm | 720×650×290 | 720×650×290 |
| | Net(Panel) | mm | 650x650x55 | 650x650x55 |
| | Packing(Panel) | mm | 710x710x80 | 710x710x80 |
| Weight | Net/Gross(Body) | kg | 15/18 | 15/18 |
| | Net/Gross(Panel) | kg | 2.2/3.7 | 2.2/3.7 |
| Refrigerant Type | | | R410A/R32 | R410A/R32 |
| Pipe Diameter | Liquid Side | mm(inch) | 6.35 | 6.35 |
| | Gas Side | mm(inch) | 12.7 | 12.7 |
| | Drainage | mm(inch) | R3/4in(DN20) | R3/4in(DN20) |
| Stuffing Quantity | 20/40/40H | unit | 216/432/486 | 216/432/486 |

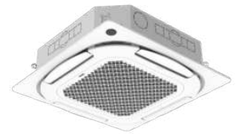
Notes:
1.Cooling Capacity: Indoor temperature 27°C DB/19°C WB;Outdoor temperature:35°C DB/24°C WB.
2.Heating Capacity:Indoor temperature 20°C DB;Outdoor temperature:7°C DB/6°C WB.
3.Piping Length:Equivalent piping length: 7.5m,l evel difference: 0m.
4.Sound level is measured at 1.4m below the unit.
5.The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.

Remarks:
1.Data from AUX lab, Data may change according to test surroundings, AUX reserves right of explanation on data.
2.All specifications are subject to change by the manufacturer without prior notice.





# R410A/R32
# Cassette Q



## Specification-50/60Hz DC fan motor

| Model | Indoor | | ARVCA-H56/NR3DQB | ARVCA-H63/NR3DQB | ARVCA-H71/NR3DQB | ARVCA-H80/NR3DQB |
|---|---|---|---|---|---|---|
| Capacity | Cooling | kW | 5.6 | 6.3 | 7.1 | 8.0 |
| | Heating | kW | 6.3 | 7.1 | 8.5 | 9.0 |
| 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 |
| | Rated Power | W | 40 | 40 | 40 | 40 |
| Performance | Air Flow Volume(Hi/Mid/Low) | m3/h | 860/680/580 | 1150/920/800 | 1150/920/800 | 1150/920/800 |
| | Noise Level(Hi/Mid/Low) | dB(A) | 36/34/33 | 40/38/36 | 40/38/36 | 41/38/36 |
| Dimension (WxDxH) | Net(Body) | mm | 840*840*205 | 840*840*205 | 840*840*205 | 840*840*205 |
| | Packing(Body) | mm | 915*915*270 | 915*915*270 | 915*915*270 | 915*915*270 |
| | Net(Panel) | mm | 950x950x53 | 950x950x53 | 950x950x53 | 950x950x53 |
| | Packing(Panel) | mm | 1000x1000x100 | 1000x1000x100 | 1000x1000x100 | 1000x1000x100 |
| Weight | Net/Gross(Body) | kg | 18/22 | 19/23 | 19/23 | 19/23 |
| | Net/Gross(Panel) | kg | 5.3/7.3 | 5.3/7.3 | 5.3/7.3 | 5.3/7.3 |
| Refrigerant Type | | | R410A/R32 | R410A/R32 | R410A/R32 | R410A/R32 |
| Pipe Diameter | Liquid Side | mm(inch) | 6.35 | 9.52 | 9.52 | 9.52 |
| | Gas Side | mm(inch) | 12.7 | 15.88 | 15.88 | 15.88 |
| | Drainage | mm(inch) | R3/4in(DN20) | R3/4in(DN20) | R3/4in(DN20) | R3/4in(DN20) |
| Stuffing Quantity | 20/40/40H | unit | 108/208/260 | 108/208/260 | 108/208/260 | 108/208/260 |

## Specification-50/60Hz DC fan motor

| Model | Indoor | | ARVCA-H90/NR3DQB | ARVCA-H100/NR3DQB | ARVCA-H112/NR3DQB | ARVCA-H125/NR3DQB | ARVCA-H140/NR3DQB |
|---|---|---|---|---|---|---|---|
| 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 | 220~240,50/60Hz,1 | 220~240,50/60Hz,1 | 220~240,50/60Hz,1 | 220~240,50/60Hz,1 | 220~240,50/60Hz,1 |
| | Rated Power | W | 80 | 80 | 80 | 80 | 80 |
| Performance | Air Flow Volume(Hi/Mid/Low) | m3/h | 1450/1205/960 | 1450/1205/960 | 1600/1440/1260 | 1800/1440/1260 | 1800/1440/1260 |
| | Noise Level(Hi/Mid/Low) | dB(A) | 42/39/36 | 42/39/36 | 44/41/38 | 46/42/39 | 46/42/39 |
| Dimension (WxDxH) | Net(Body) | mm | 840*840*245 | 840*840*245 | 840*840*288 | 840*840*288 | 840*840*288 |
| | Packing(Body) | mm | 915*915*310 | 915*915*310 | 915*915*350 | 915*915*350 | 915*915*350 |
| | Net(Panel) | mm | 950x950x53 | 950x950x53 | 950x950x53 | 950x950x53 | 950x950x53 |
| | Packing(Panel) | mm | 1000x1000x100 | 1000x1000x100 | 1000x1000x100 | 1000x1000x100 | 1000x1000x100 |
| Weight | Net/Gross(Body) | kg | 21.5/25 | 21.5/25 | 23.5/27.5 | 23.5/27.5 | 25/28.5 |
| | Net/Gross(Panel) | kg | 5.3/7.3 | 5.3/7.3 | 5.3/7.3 | 5.3/7.3 | 5.3/7.3 |
| Refrigerant Type | | | R410A/R32 | R410A/R32 | R410A/R32 | R410A/R32 | R410A/R32 |
| 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 | 96/182/234 | 96/182/234 | 84/156/208 | 84/156/208 | 84/156/208 |

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.

Remarks:
1.Data from AUX lab, Data may change according to test surroundings, AUX reserves right of explanation on data.
2.All specifications are subject to change by the manufacturer without prior notice.

# R32
# Wall-mounted C



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

| Model | Indoor | | ARVWM-H022/NR3DCA | ARVWM-H028/NR3DCA | ARVWM-H036/NR3DCA |
|---|---|---|---|---|---|
| Capacity | Cooling | kW | 2.2 | 2.8 | 3.6 |
| | Heating | kW | 2.5 | 3.2 | 4.0 |
| Electric Data | Power Supply | V~,Hz,Ph | 220-240~,50/60Hz,1 | 220-240~,50/60Hz,1 | 220-240~,50/60Hz,1 |
| | Rated Power | W | 27 | 27 | 27 |
| Performance | Air Flow Volume(Hi/Mid/Low) | $m^3/h$ | 545/460/435 | 545/460/435 | 545/460/435 |
| | Noise Level(Hi/Mid/Low) | dB(A) | 37/34/32 | 37/34/32 | 37/34/32 |
| Dimension (WxHxD) | Net | mm | 834×299×202 | 834×299×202 | 834×299×202 |
| | Packing | mm | 891×371×282 | 891×371×282 | 891×371×282 |
| Weight | Net/Gross | kg | 9.5/11.5 | 9.5/11.5 | 9.5/11.5 |
| Refrigerant Type | | | R410A/R32 | R410A/R32 | R410A/R32 |
| 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) | R1/2in(DN16) | R1/2in(DN16) | R1/2in(DN16) |
| Stuffing Quantity | 20/40/40H | unit | 318/690/756 | 318/690/756 | 318/690/756 |

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

| Model | Indoor | | ARVWM-H045/NR3DCA | ARVWM-H056/NR3DCA | ARVWM-H071/NR3DCA |
|---|---|---|---|---|---|
| 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~,50/60Hz,1 | 220-240~,50/60Hz,1 | 220-240~,50/60Hz,1 |
| | Rated Power | W | 40 | 40 | 50 |
| Performance | Air Flow Volume(Hi/Mid/Low) | $m^3/h$ | 815/685/590 | 815/685/590 | 1110/990/835 |
| | Noise Level(Hi/Mid/Low) | dB(A) | 41/35/30 | 41/35/30 | 44/41/37 |
| Dimension (WxHxD) | Net | mm | 997×312×222 | 997×312×222 | 1145×331×230 |
| | Packing | mm | 1070×385×327 | 1070×385×327 | 1210×400×327 |
| Weight | Net/Gross | kg | 12/15 | 12/15 | 14/17.5 |
| Refrigerant Type | | | R410A/R32 | R410A/R32 | R410A/R32 |
| Pipe Diameter | Liquid Side | mm(inch) | 6.35(1/4) | 6.35(1/4) | 6.35(1/4) |
| | Gas Side | mm(inch) | 12.7(1/2) | 12.7(1/2) | 12.7(1/2) |
| | Drainage | mm(inch) | R1/2in(DN16) | R1/2in(DN16) | R1/2in(DN16) |
| Stuffing Quantity | 20/40/40H | unit | 224/475/528 | 224/475/528 | 180/387/430 |

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.

Remarks:
1.Data from AUX lab, Data may change according to test surroundings, AUX reserves right of explanation on data.
2.All specifications are subject to change by the manufacturer without prior notice.





# R410A
# Wall-mounted C



## Specification-50Hz

| Model | Indoor | | ARVWM-H080/NR1DCA | ARVWM-H090/NR1DCA |
|---|---|---|---|---|
| Capacity | Cooling | kW | 8 | 9 |
| | Heating | kW | 9 | 10 |
| Power Supply | | V~,Hz,Ph | 220~240,50/60,1 | 220~240,50/60,1 |
| Performance | Air Flow Volume(Hi/Mid/Low) | m3/h | 1500/1400/1100/950 | 1500/1400/1100/950 |
| | Noise Level(Hi/Mid/Low) | dB(A) | 48/46/43/40/38 | 48/46/43/40/38 |
| Dimension (WxDxH) | Net (W×H×D) | mm | 1460*375*270 | 1460*375*270 |
| | Packing (W×H×D) | mm | 1555*460*377 | 1555*460*377 |
| Weight | Net/Gross | kg | 23/27 | 23/27 |
| Pipe Diameter | Liquid Side | mm(inch) | 9.52(3/8) | 9.52(3/8) |
| | Gas Side | mm(inch) | 15.88(5/8) | 15.88(5/8) |
| | Drainage | mm(inch) | R3/4in(DN20) | R3/4in(DN20) |
| Stuffing Quantity | 20/40/40H | unit | 109/232/257 | 109/232/257 |

## Specification-50Hz

| Model | Indoor | | ARVWM-H100/NR1DCA | ARVWM-H110/NR1DCA |
|---|---|---|---|---|
| Capacity | Cooling | kW | 10 | 11 |
| | Heating | kW | 11 | 12.0 |
| Power Supply | | V~,Hz,Ph | 220~240,50/60,1 | 220~240,50/60,1 |
| Performance | Air Flow Volume(Hi/Mid/Low) | m3/h | 1500/1400/1100/950 | 1500/1400/1100/950 |
| | Noise Level(Hi/Mid/Low) | dB(A) | 48/46/43/40/38 | 48/46/43/40/38 |
| Dimension (WxDxH) | Net (W×H×D) | mm | 1460*375*270 | 1460*375*270 |
| | Packing (W×H×D) | mm | 1555*460*377 | 1555*460*377 |
| Weight | Net/Gross | kg | 23/27 | 23/27 |
| Pipe Diameter | Liquid Side | mm(inch) | 9.52(3/8) | 9.52(3/8) |
| | Gas Side | mm(inch) | 15.88(5/8) | 15.88(5/8) |
| | Drainage | mm(inch) | R3/4in(DN20) | R3/4in(DN20) |
| Stuffing Quantity | 20/40/40H | unit | 109/232/257 | 109/232/257 |

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.

Remarks:
1.Data from AUX lab, Data may change according to test surroundings, AUX reserves right of explanation on data.
2.All specifications are subject to change by the manufacturer without prior notice.

# R410A/R32
# Slim Duct Q



## Specification-50/60Hz

| Model | Indoor | | ARVLD-H15/NR3DQ | ARVLD-H22/NR3DQ | ARVLD-H28/NR3DQ | ARVLD-H36/NR3DQ |
|---|---|---|---|---|---|---|
| Capacity | Cooling | kW | 1.5 | 2.2 | 2.8 | 3.6 |
| | Heating | kW | 1.8 | 2.5 | 3.2 | 4.0 |
| 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 |
| | Rated Power | W | 28 | 28 | 28 | 31 |
| Performance | Air Flow Volume(Tu/Hi/Mid/Low) | $m^3/h$ | 460/400/340 | 460/400/340 | 460/400/340 | 605/500/430 |
| | Noise Level(Hi/Mid/Low) | dB(A) | 30/26/22 | 30/26/22 | 30/26/22 | 30/28/24 |
| | External Static Pressure(ESP) | Pa | 13(0~50) | 13(0~50) | 13(0~50) | 13(0~50) |
| Dimension (WxDxH) | Net | mm | 550×450×198 | 550×450×198 | 550×450×198 | 700x450x198 |
| | Packing | mm | 715×535×255 | 715×535×255 | 715×535×255 | 865×535×255 |
| Weight | Net/Gross | kg | 11/13.5 | 11/13.5 | 11/13.5 | 13/16 |
| Refrigerant Type | | | R410A/R32 | R410A/R32 | R410A/R32 | R410A/R32 |
| Pipe Diameter | Liquid Side | mm(inch) | 6.35(1/4) | 6.35(1/4) | 6.35(1/4) | 6.35(1/4) |
| | Gas Side | mm(inch) | 9.52(3/8) | 9.52(3/8) | 9.52(3/8) | 12.7(1/2) |
| | Drainage | mm(inch) | R1in(DN25) | R1in(DN25) | R1in(DN25) | R1in(DN25) |
| Stuffing Quantity | 20/40/40H | unit | 306/621/720 | 306/621/720 | 306/621/720 | 243/504/570 |

## Specification-50Hz

| Model | Indoor | | ARVLD-H45/NR3DQ | ARVLD-H56/NR3DQ | ARVLD-H71/NR3DQ |
|---|---|---|---|---|---|
| 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~,50/60Hz,1 | 220-240~,50/60Hz,1 | 220-240~,50/60Hz,1 |
| | Rated Power | W | 58 | 58 | 65 |
| Performance | Air Flow Volume(Tu/Hi/Mid/Low) | $m^3/h$ | 900/750/600 | 900/750/600 | 1145/945/700 |
| | Noise Level(Hi/Mid/Low) | dB(A) | 35/30/26 | 35/30/26 | 36/32/28 |
| | External Static Pressure(ESP) | Pa | 13(0~50) | 13(0~50) | 13(0~50) |
| Dimension (WxDxH) | Net | mm | 900x450x198 | 900x450x198 | 1100x450x198 |
| | Packing | mm | 1065×535×255 | 1065×535×255 | 1265×535×255 |
| Weight | Net/Gross | kg | 15.5/18.5 | 15.5/18.5 | 18.5/21.5 |
| Refrigerant Type | | | R410A/R32 | R410A/R32 | R410A/R32 |
| Pipe Diameter | Liquid Side | mm(inch) | 6.35(1/4) | 6.35(1/4) | 9.52(3/8) |
| | Gas Side | mm(inch) | 12.7(1/2) | 12.7(1/2) | 15.88(5/8) |
| | Drainage | mm(inch) | R1in(DN25) | R1in(DN25) | R1in(DN25) |
| Stuffing Quantity | 20/40/40H | unit | 198/396/440 | 198/396/440 | 171/360/400 |

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.

Remarks:
1.Data from AUX lab, Data may change according to test surroundings, AUX reserves right of explanation on data.
2.All specifications are subject to change by the manufacturer without prior notice.





# R410A
# Mid ESP Duct



## Specification-50/60HZ DC fan motor

| Model | Indoor | | ARVMD-H45/NR1DM | ARVMD-H56/NR1DM | ARVMD-H63/NR1DM | ARVMD-H71/NR1DM | ARVMD-H80/NR1DM | ARVMD-H90/NR1DM |
|---|---|---|---|---|---|---|---|---|
| Capacity | Cooling | kW | 4.5 | 5.6 | 6.3 | 7.1 | 8.0 | 9.0 |
| | Heating | kW | 5.6 | 6.3 | 7.1 | 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 | 220～240,50/60,1 |
| | Rated Power | W | 110 | 110 | 125 | 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 | 1680/1350/1100/950 | 1710/1400/1120/950 |
| | Noise Level(Hi/Mid/Low) | dB(A) | 39/37/35 | 39/37/35 | 40/38/36 | 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) | 50(0-150) |
| Dimension (WxDxH) | Net | mm | 1000x700x245 | 1000x700x245 | 1000x700x245 | 1000x700x245 | 1000x700x245 | 1000x700x245 |
| | Packing | mm | 1230*830*300 | 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 | 32/38 |
| 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 | 72/151/164 | 72/151/164 | 72/151/164 | 72/151/164 | 72/151/164 |

## Specification-50/60HZ DC fan motor

| Model | Indoor | | ARVMD-H100/NR1DM | ARVMD-H112/NR1DM | ARVMD-H125/NR1DM | ARVMD-H140/NR1DM | ARVMD-H150/NR1DM | 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 | 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.

Remarks:
1.Data from AUX lab, Data may change according to test surroundings, AUX reserves right of explanation on data.
2.All specifications are subject to change by the manufacturer without prior notice.

# R410A
# High ESP Duct



## Specification-50Hz AC fan motor

| Model | Indoor | | ARVHD-H112/4R1A | ARVHD-H125/4R1A | ARVHD-H140/4R1A | ARVHD-H150/4R1A | ARVHD-H450/5R1Y | ARVHD-H560/5R1Y |
|---|---|---|---|---|---|---|---|---|
| Capacity | Cooling | kW | 11.2 | 12.5 | 14.0 | 15.0 | 45.0 | 56.0 |
| | Heating | kW | 12.8 | 13.3 | 15.0 | 16.0 | 56.0 | 61.5 |
| Electric Data | Power Supply | V~,Hz,Ph | 220~240,50,1 | 220~240,50,1 | 220~240,50,1 | 220~240,50,1 | 380~415,50,3 | 380~415,50,3 |
| | Rated Power | W | 600 | 600 | 600 | 600 | 1520 | 1520 |
| Performance | Air Flow Volume(Hi/Mid/Low) | $m^3/h$ | 2000/1600/1400 | 2000/1600/1400 | 2000/1600/1400 | 2000/1600/1400 | 6500 | 7400 |
| | Noise Level(Hi/Mid/Low) | dB(A) | 60/57/51 | 60/57/51 | 60/57/51 | 60/57/51 | 59 | 59 |
| | External Static Pressure(ESP) | Pa | 196 | 196 | 196 | 196 | 200 | 200 |
| Dimension (WxDxH) | Net | mm | 1200x719x380 | 1200x719x380 | 1200x719x380 | 1200x719x380 | 2115x990x855 | 2115x990x855 |
| | Packing | mm | 1235x760x415 | 1235x760x415 | 1235x760x415 | 1235x760x415 | 2225x1025x1015 | 2225x1025x1015 |
| Weight | Net/Gross | kg | 56/59 | 56/59 | 56/59 | 56/59 | 225/255 | 225/255 |
| Pipe Diameter | Liquid Side | mm(inch) | 9.52 | 9.52 | 9.52 | 9.52 | 12.7x2 | 12.7x2 |
| | Gas Side | mm(inch) | 19.05 | 19.05 | 19.05 | 19.05 | 22.2x2 | 22.2x2 |
| | Drainage | mm | R3/4in(DN20) | R3/4in(DN20) | R3/4in(DN20) | R3/4in(DN20) | R1in(DN25) | R1in(DN25) |
| Stuffing Quantity | 20/40/40H | unit | 68/147/168 | 68/147/168 | 68/147/168 | 68/147/168 | 12/24/24 | 12/24/24 |

## Specification-50/60Hz DC fan motor

| Model | Indoor | | ARVHD-H220/NR1DC | ARVHD-H280/NR1DC |
|---|---|---|---|---|
| Capacity | Cooling | kW | 22.4 | 28 |
| | Heating | kW | 25 | 31.5 |
| Electric Data | Power Supply | V~,Hz,Ph | 220~240,50/60,1 | 220~240,50/60,1 |
| | Rated Power | W | 1200 | 1200 |
| Performance | Air Flow Volume | $m^3/h$ | 4400 | 4400 |
| | Noise Level | dB(A) | 57 | 57 |
| | External Static Pressure(ESP) | Pa | 170(30-250) | 170(30-250) |
| Dimension (WxDxH) | Net | mm | 1388x715x480 | 1388x715x480 |
| | Packing | mm | 1540x810x610 | 1540x810x610 |
| 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.

Remarks:
1.Data from AUX lab, Data may change according to test surroundings, AUX reserves right of explanation on data.
2.All specifications are subject to change by the manufacturer without prior notice.





# R410A
# Fresh Air Processor



## Specification-50/60Hz DC fan motor

| Model | Indoor | | ARVFA-H220/NR1DC | ARVFA-H280/NR1DC |
|---|---|---|---|---|
| Capacity | Cooling | kW | 22.4 | 28.0 |
| | Heating | kW | 18.0 | 22.0 |
| Electric Data | Power Supply | V~,Hz,Ph | 220~240,50/60,1 | 220~240,50/60,1 |
| | Rated Power | W | 900 | 900 |
| Performance | Air Flow Volume | $m^3/h$ | 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-50/60Hz AC fan motor

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

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.

Remarks:
1.Data from AUX lab, Data may change according to test surroundings, AUX reserves right of explanation on data.
2.All specifications are subject to change by the manufacturer without prior notice.

# R410A Ceiling&Floor



## Specification-50/60Hz DC fan motor

| 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/Gross | 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 DC fan motor

| 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 |
| | Rated Power | 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 |

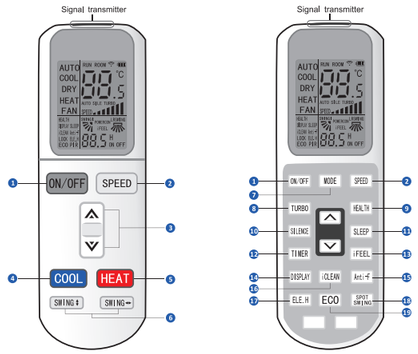
Notes:
1.Cooling Capacity: Indoor temperature 27°C DB/19°C WB; Outdoor temperature:35°C DB/24°C WB.
2.Heating Capacity:Indoor temperature 20°C DB;Outdoor temperature:7°C DB/6°C WB.
3.Piping Length:Equivalent piping length: 7.5m ,level difference: 0m.
4.Floor standing:Sound level is measured 1m from air-outlet 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.

Remarks:
1.Data from AUX lab, Data may change according to test surroundings, AUX reserves right of explanation on data.
2.All specifications are subject to change by the manufacturer without prior notice.



# Remote Controller

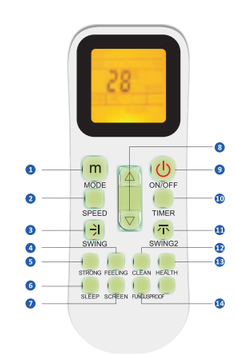
### YK-L




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

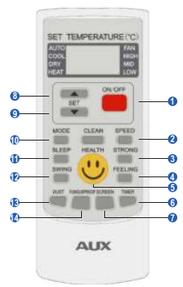
***YK-L -for commissioning**

### YK-K



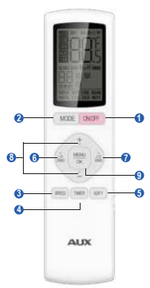

1. Mode Setting AUTO/COOL/DRY/HEAT/FAN
2. Fan Speed Setting HIGH/MED/LOW/AUTO
3. Vertical Swing
4. Feeling Function
5. Strong Wind
6. Sleep Function
7. LED Display On/Off
8. Temperature-Setting /Timer Range Setting
9. ON/OFF
10. Timer On/Off
11. Horizontal Swing
12. Clean Function
13. Health Function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

### YK-H




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

### YK-M




1. ON/OFF
2. Mode Setting AUTO/COOL/DRY/HEAT/FAN
3. Fan Speed Setting
4. Timer On/Off
5. Soft Function
6. Left/Right Swing
7. Up/Down Swing
8. Temperature-Setting /Timer Range Setting
9. Menu/Confirm

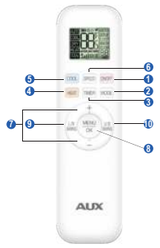
# Remote Controller

**YK-T**



1. ON/OFF
2. Mode Setting AUTO/COOL/DRY/HEAT/FAN
3. Fan Speed Setting
4. Timer On/Off

**YK-Q**



5. Soft Function
6. Left/Right Swing
7. Up/Down Swing

**YK-C**



8. Temperature-Setting /Timer Range Setting
9. Menu/Confirm
10. Timer On/Off

## ▶ 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  | YK-H  | YK-M  |
|---|---|---|---|---|
| Dimesion (WxHxD) (mm) | 52x160x25(max) | 50x140x28.5(max) | 48x135x17(max) | 49x195x19(max) |
| Power(V) | 3V(1.5V×2) | 3V(1.5V×2) | 3V(1.5V×2) | 3V(1.5V×2) |

| Model | YK-T  | YK-Q  | YK-C  |
|---|---|---|---|
| Dimesion (WxHxD) (mm) | 48x175x19(max) | 48x180x20(max) | 41x148x17(max) |
| Power(V) | 3V(1.5V×2) | 3V(1.5V×2) | 3V(1.5V×2) |



# Wired Controller

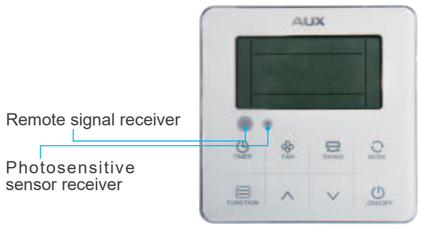


**XK-05A**

## ▶ Function

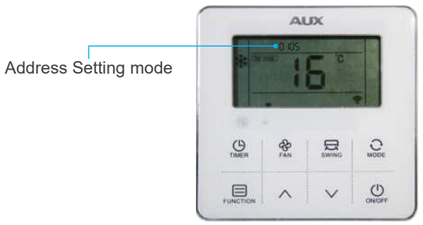
### Built-In Remote Signal Receiver

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.



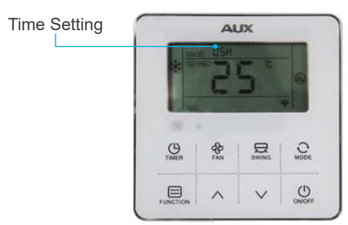

## ▶ Follow Me

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.

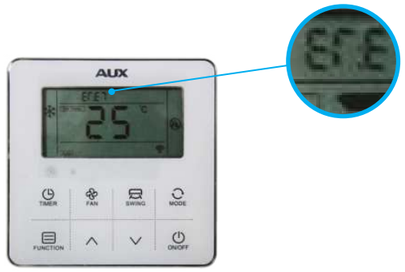
## ▶ User-Friendly & Elegant Design

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.



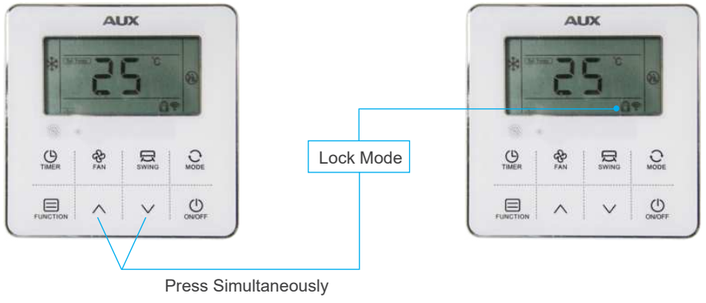
## ▶ Error Reporting

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 |



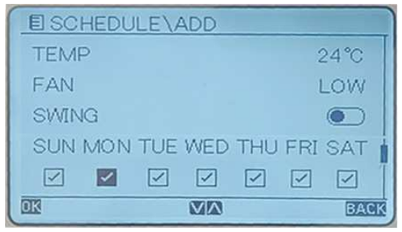


**XK-06A**

## ▶ 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

The AUX touch screen centralized controller is a multi-functional device that can control up to 256 indoor units within a maximum connection length of 1000 meters

* Data from AUX Performance Lab on May 8, 2024.







## ▶ Multi-system Control

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




## ▶ Multiple Lock function

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




## ▶ Weekly Schedule Control

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




## ▶ Indoor Units Operation Status Display

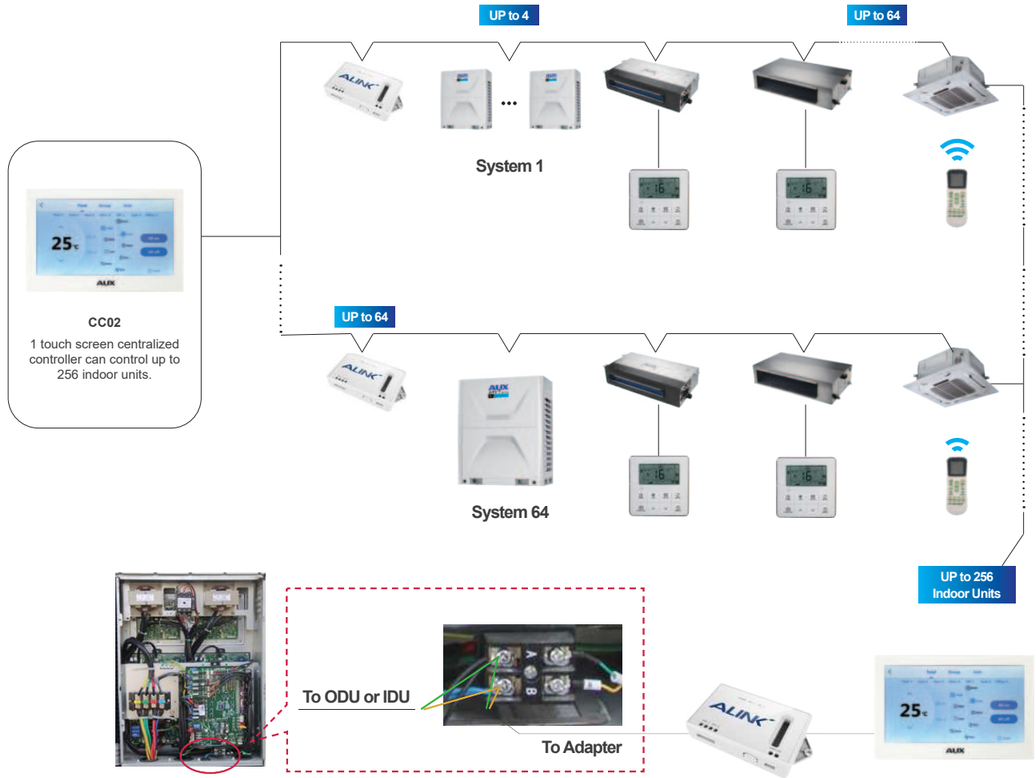
Error and protection codes are shown directly on centralized controller's displays, no need to access outdoor unit's PCBs to obtain codes .The building management professionals could inquire a wide range of historical error and protection codes to get the system status information before contacting a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






## ▶ Central controller & connection

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

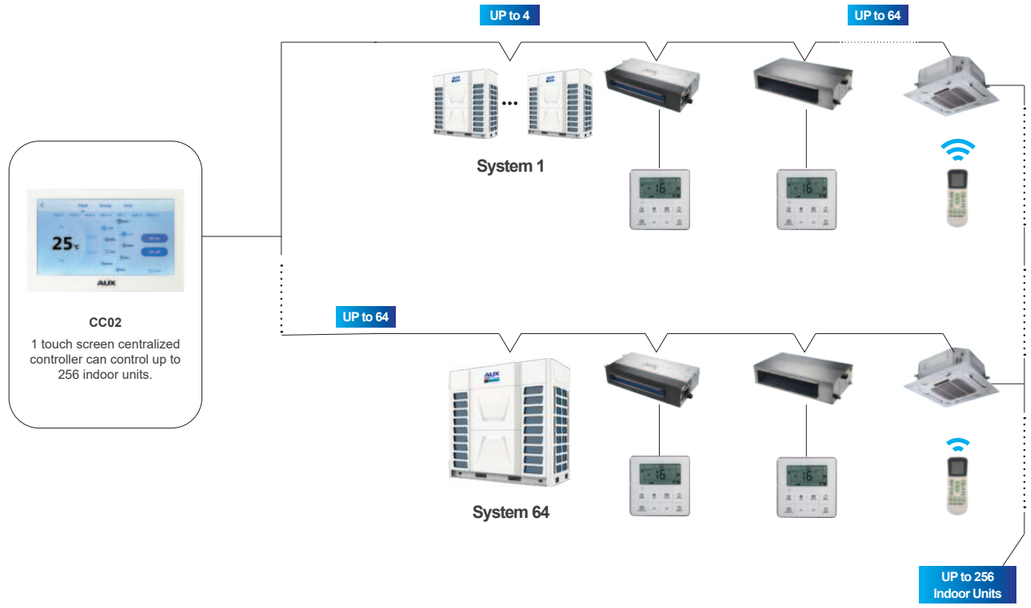


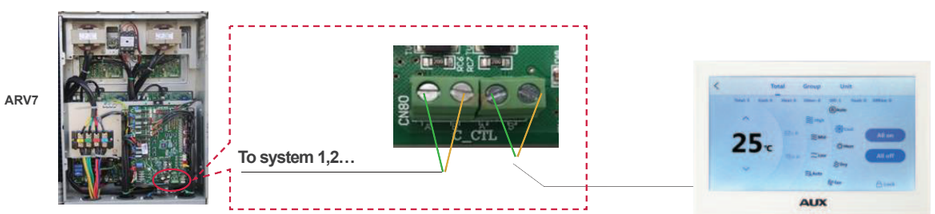

## Main Components of Centralized Controller

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

## ▶ Central controller & connection (Optional)

Meet different air solution for kinds of application sites.



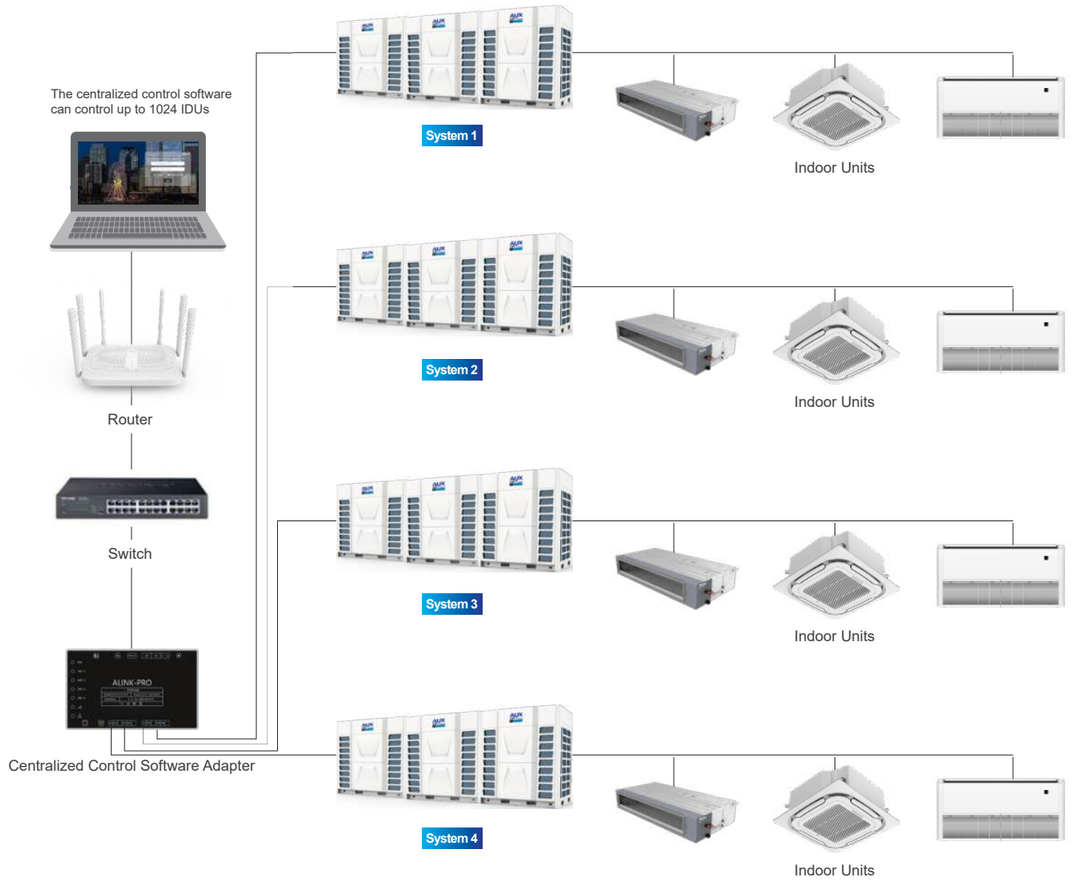




Notes:
It needs to set C9 and C10 parameters. For details, please contact AUX technical engineers



# Centralized Control Software

## ▶ System Overview




## ▶ System Overview

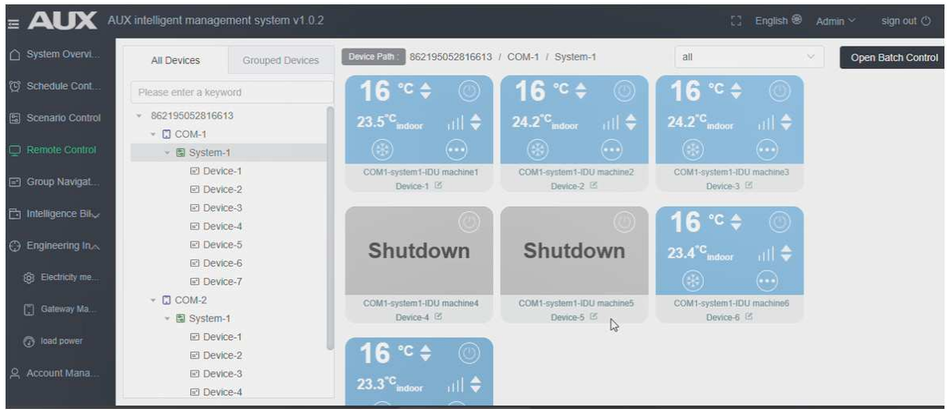
Users do not need to go to the harsh environment of the site, they can monitor the function of units just through computer. This greatly improves convenience of daily management and the efficiency of central air conditioners;
Timely find the fault and save the maintenance cost of air conditioner units,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

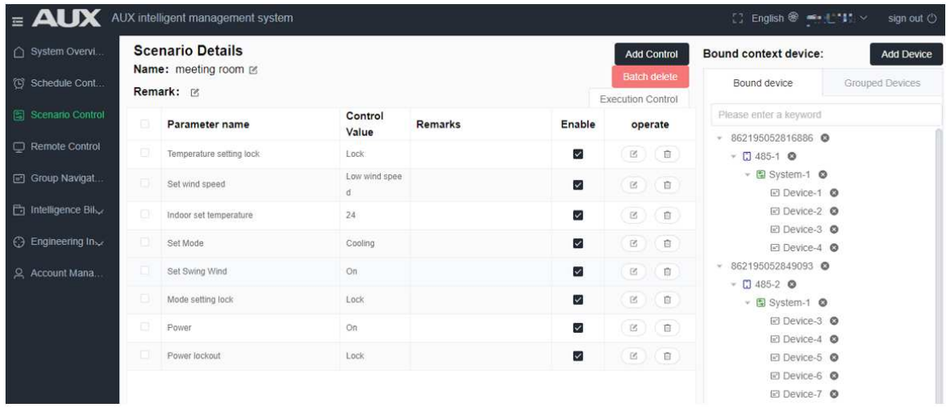
## ▶ Main Components Of Centralized Control System

| No | Main Components | Requirement & Function |
|---|---|---|
| 1 | Adapter/Gateway  | 1. Model: CM-PTD/A02<br>2. Power: DC 9~24V,400mA<br>3. Communication:RS485<br>4. LAN （ DHCP to obtain IP automatically ）<br>4. Baud rate：9600,<br>5. "even parity" by number of systems<br>6. Working condition: -25℃ ~55℃， 45%~75%<br>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

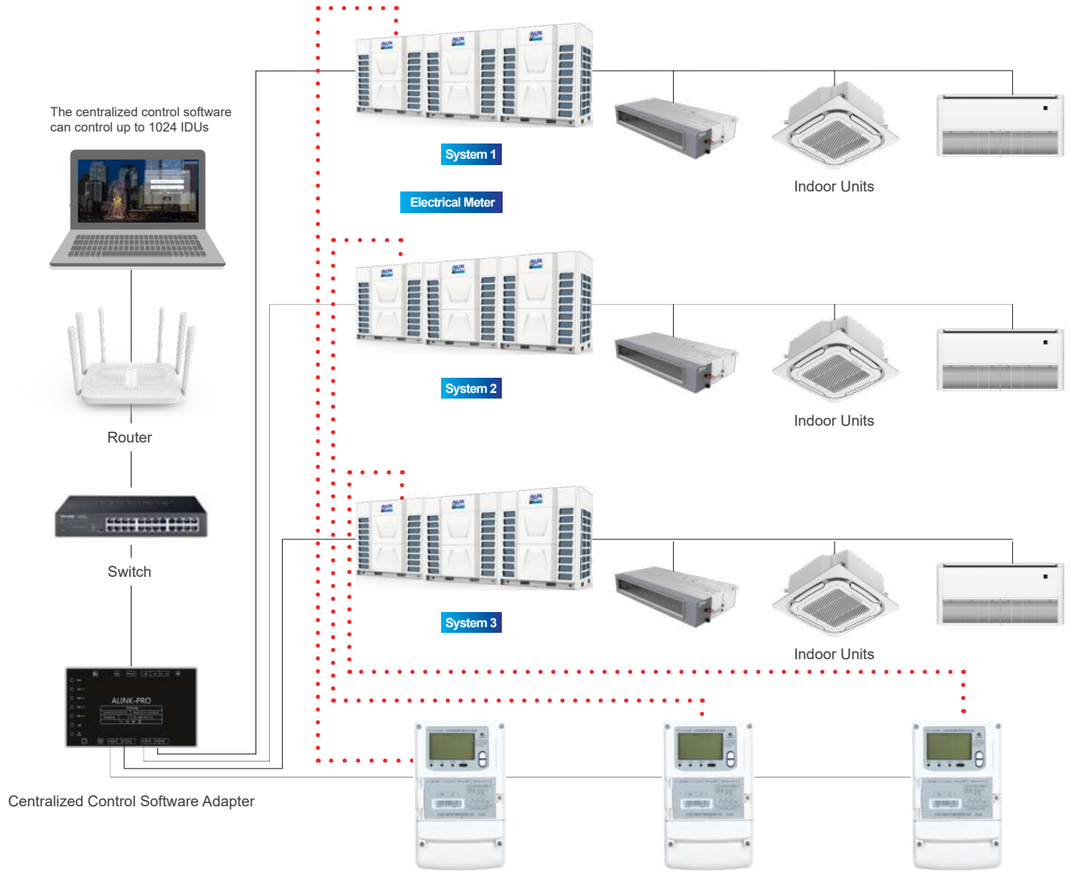





# Tenant billing solution

## ▶ 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.

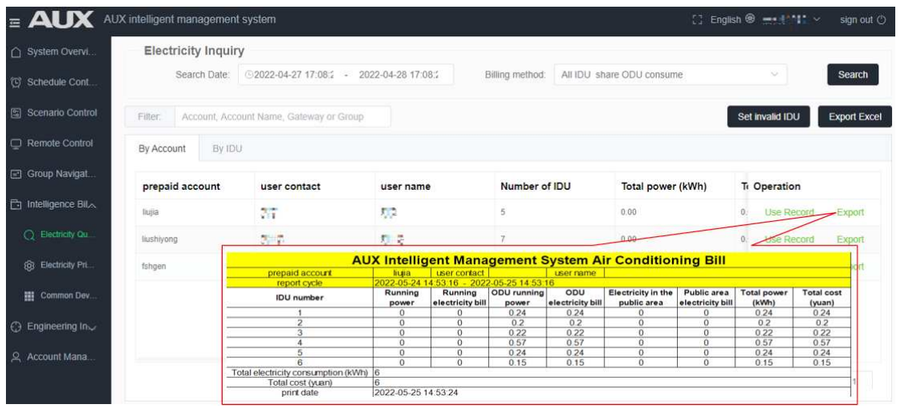
## ▶ Main Components Of Centralized Control System

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

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

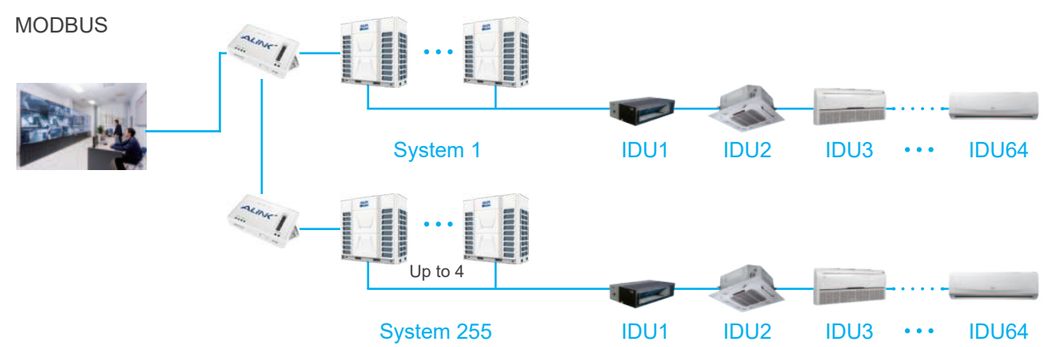
## ▶ Software Introduction Main Interface



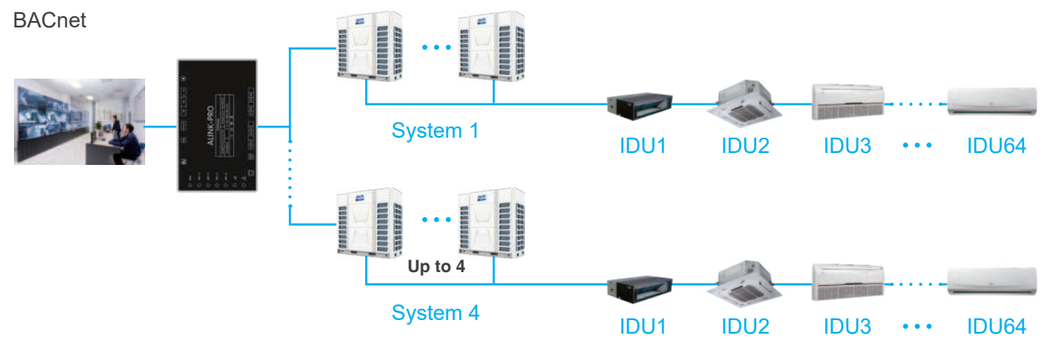




# BMS System

## ▶ Overall Structure



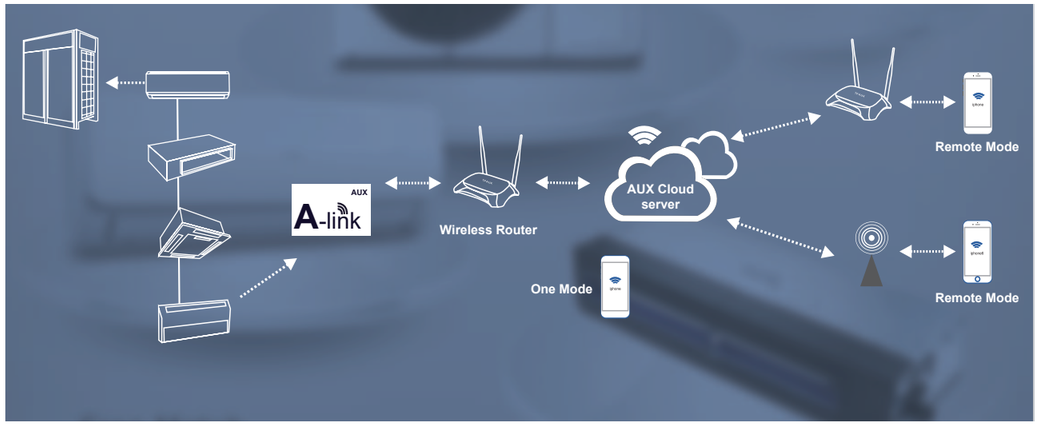

Notes:
The master outdoor unit can also directly connect to MODBUS without mini gateway.
For details, please contact AUX technical engineers




| Model | CM-MTD/AM01 | Bacnet gateway |
|---|---|---|
| |  |  |
| Dimension(W×H×D)mm | 127 ×65.8×20.8 | 178×85×115 |
| Power supply | DC 12V | DC 9-24V |
| Feature | Max.255 | Max 4 system |

# Wireless Network Control

## ▶ Schematic Diagram




AC Freedom




## ▶ 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

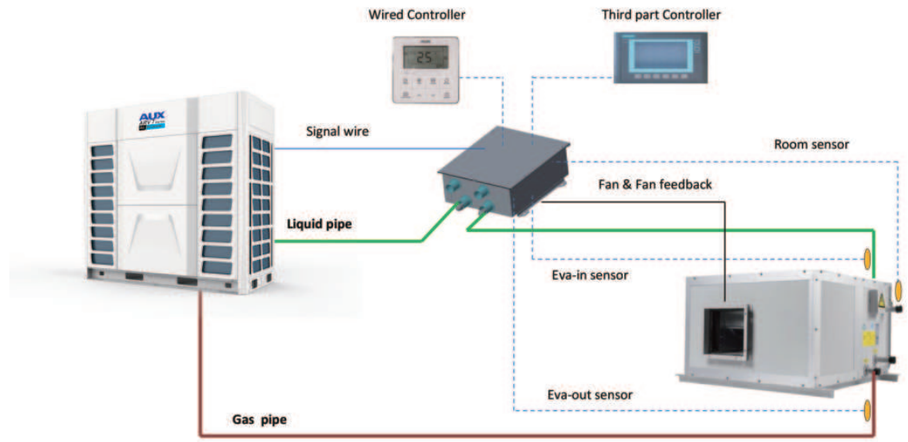



| Model | AHU Capacity | Net Dimension (W×D×H)mm | Packing Dimension (W×D×H)mm | Net Weight (kg) | Gross Weight (kg) | DX coil volume (min-max)dm³ | Reference air volume(m³/h) | Power supply |
|---|---|---|---|---|---|---|---|---|
| ARVK-0B | 2.2~3.6 | 573×447×180 | 655×525×250 | 10.9 | 13.4 | 0.4~0.45 | 550 | 220-240V,50,1 |
| | 3.6~4.5 | | | | | 0.45~0.55 | 600 | |
| | 4.5~5.6 | | | | | 0.55~0.65 | 750 | |
| | 5.6~7.1 | | | | | 0.65~0.75 | 900 | |
| | 7.1~8.0 | | | | | 0.75~1.2 | 1000 | |
| | 8.0~9.0 | | | | | 1.2~1.66 | 1300 | |
| ARVK-00B | 9.0~11.2 | | | 11.2 | 13.8 | 1.66~2.06 | 1400 | |
| | 11.2~14.0 | | | | | 2.06~2.58 | 2000 | |
| | 14.0~16.0 | | | | | 2.58~3.22 | 2400 | |
| | 16.0~20.0 | | | | | 3.32~3.69 | 2700 | |
| ARVK-01B | 20.0~25.0 | | | 11.3 | 13.9 | 3.7~4.6 | 3000 | |
| | 25.0~30.0 | | | | | 4.6~5.5 | 3800 | |
| | 30.0~36.0 | | | | | 5.6~6.6 | 4500 | |
| ARVK-02B | 36.0~40.0 | | | 11.6 | 14.3 | 6.6~7.4 | 5500 | |
| | 40.0~45.0 | | | | | 7.4~8.3 | 6000 | |
| | 45.0~50.0 | | | | | 8.3~9.2 | 7000 | |
| | 50.0~56.0 | | | | | 9.2~10.3 | 8000 | |
| ARVK-03B | 56.0~65.0 | | | 11.8 | 14.6 | 9.63~11.56 | 8200 | |
| | 65.0~70.0 | | | | | 11.03~12.54 | 9400 | |
| | 70.0~76.0 | | | | | 11.90~13.30 | 10200 | |
| | 76.0~80.0 | | | | | 12.62~14.01 | 10800 | |
| | 80.0~90.0 | | | | | 13.40~15.26 | 11800 | |
| | 90.0~100.0 | | | | | 15.26~17.80 | 13400 | |
| | 100.0~112.0 | | | | | 17.51~19.61 | 15000 | |

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

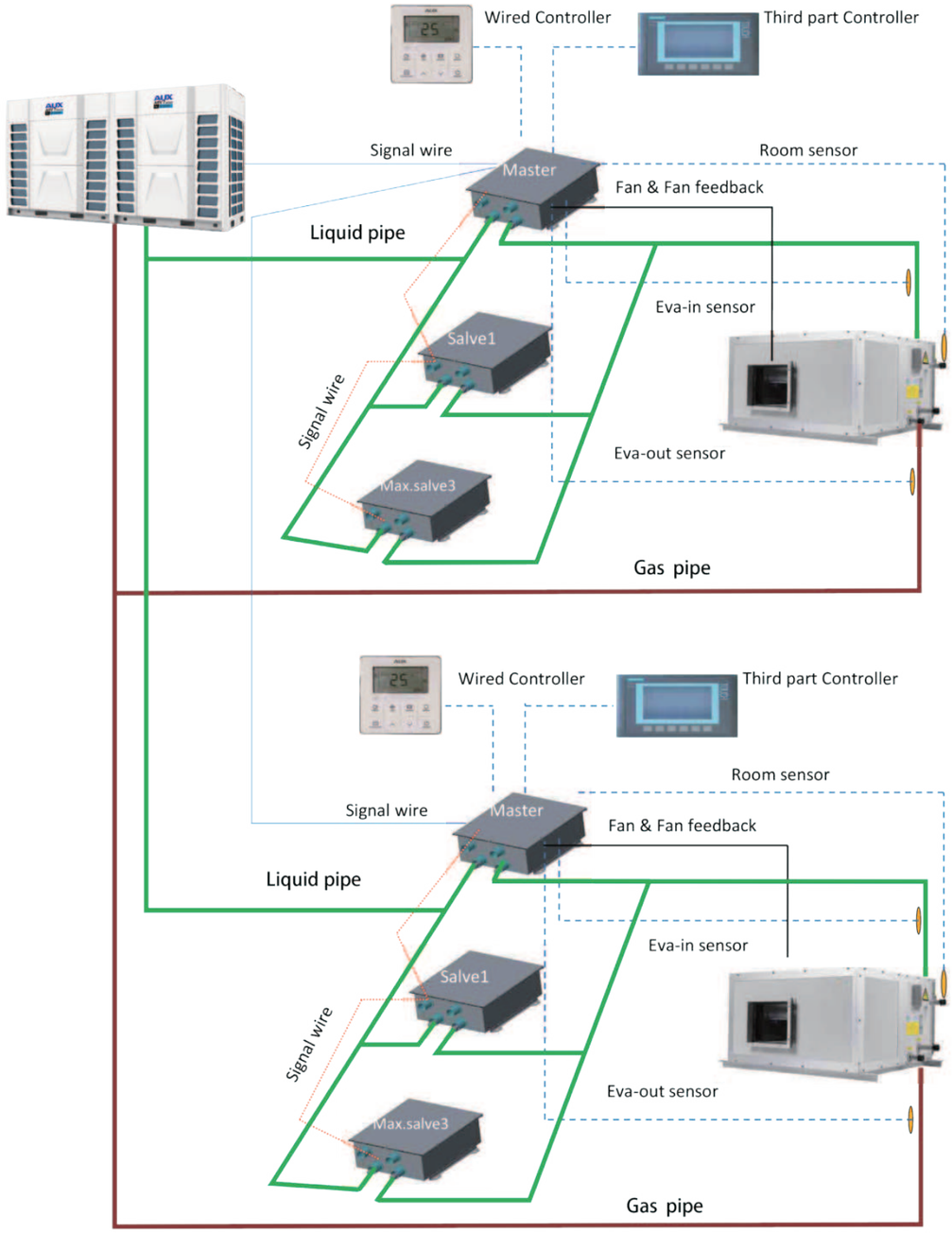
Remarks:
1.Data from AUX lab, Data may change according to test surroundings, AUX reserves right of explanation on data.
2.All specifications are subject to change by the manufacturer without prior notice.

## ▶ Single AHU connection




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

## ▶ Multi AHU connection



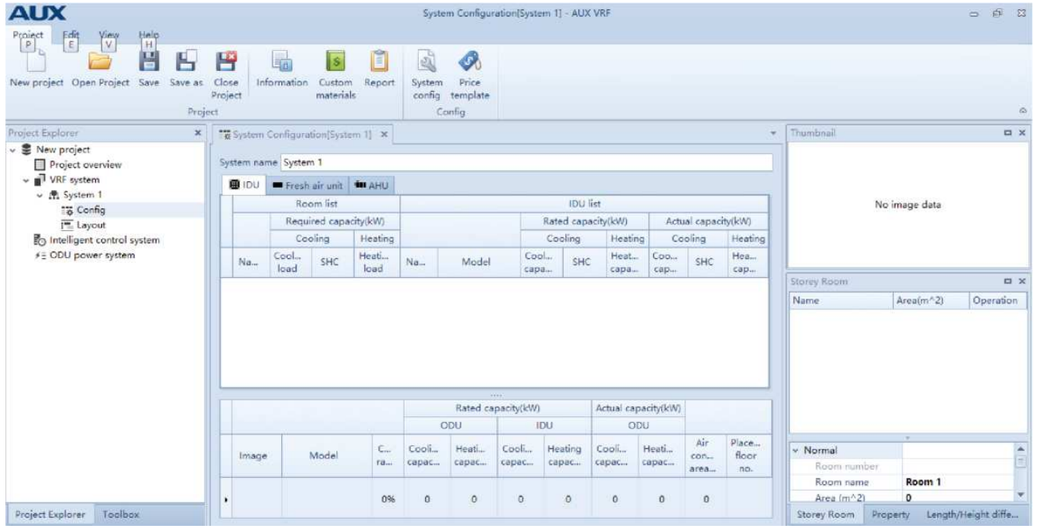

Above diagram suitable for factory default control, 0-10V(temperature control)



# Accessories-Selection Software

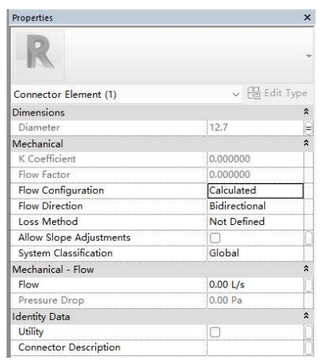
To meet the customers' requirements, AUX has developed the advanced selection software. The software provides quick and convenient selectable options for users, supports multiple languages, greatly improves the selection and installation process.

## ▶ 6 Parts Of The ARV Selection

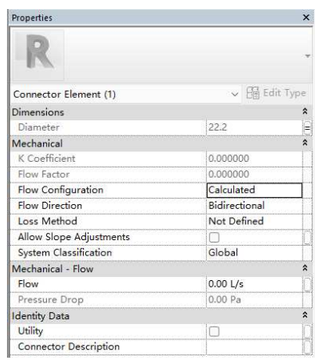



## ▶ Revit Models Series

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.



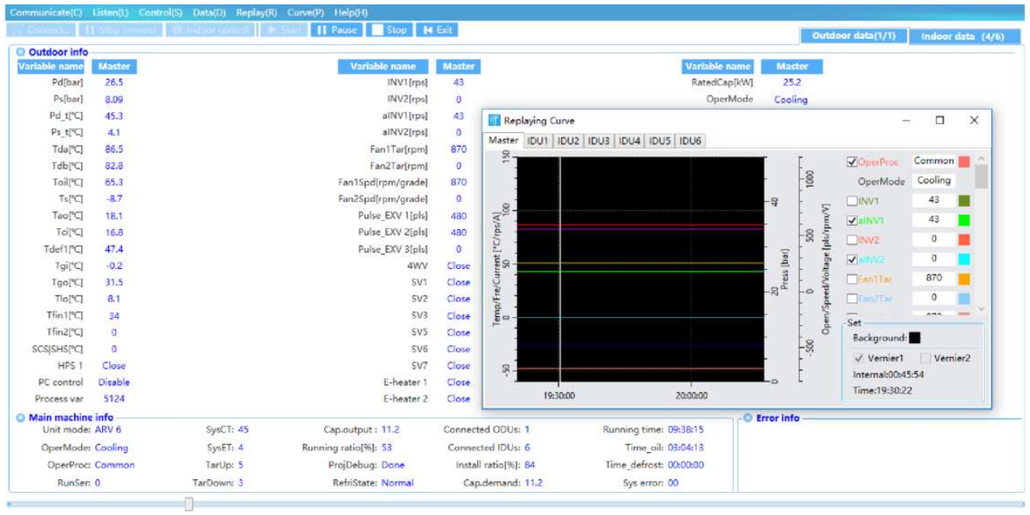


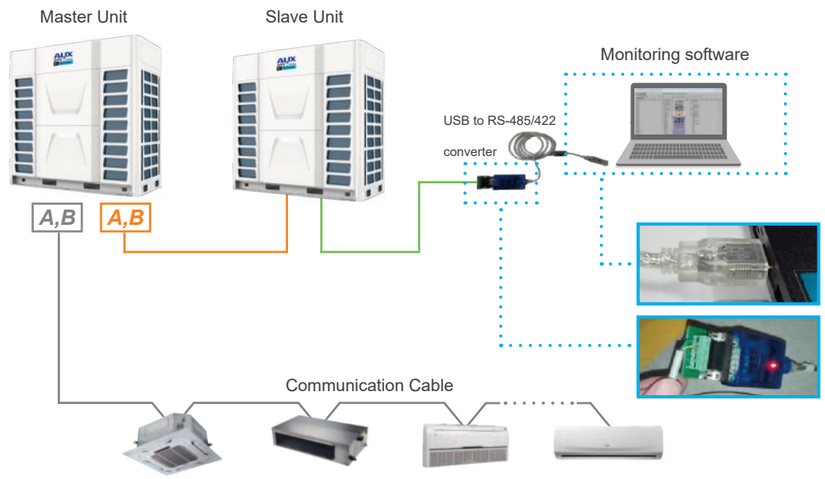
# Accessories-Monitoring Software

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



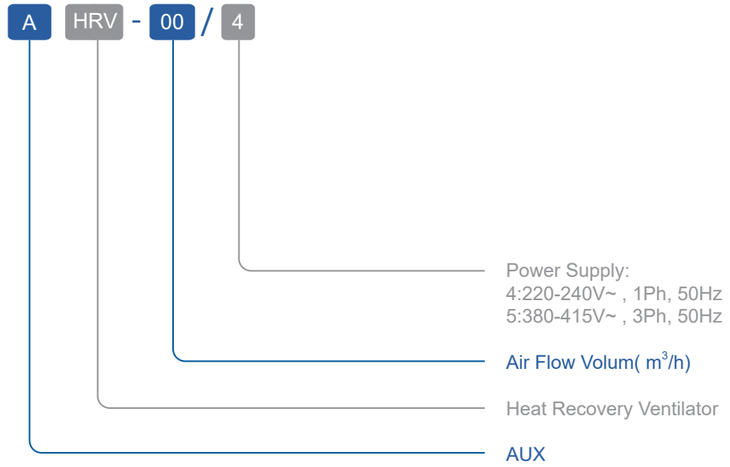

## ▶ Installation Diagram






# HRV-Heat Recovery Ventilator

## Nomenclature

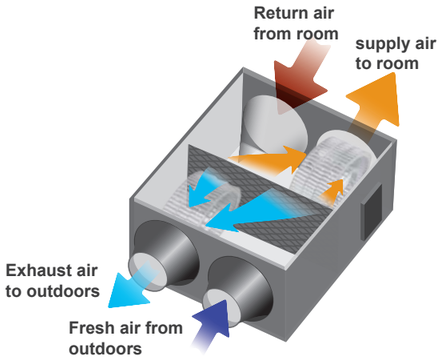


# HRV-Heat Recovery Ventilator

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

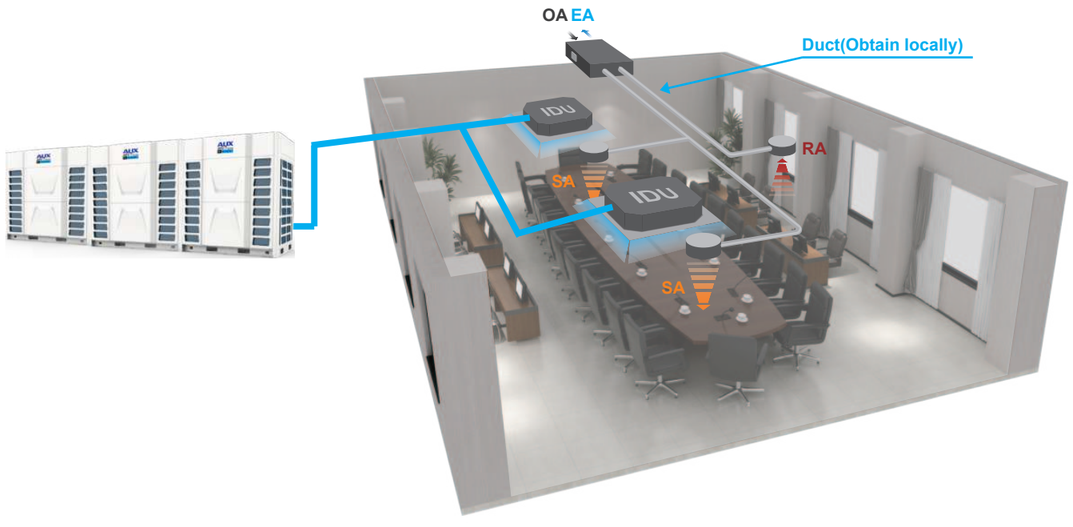
Units with a voltage range of 220V~240V are equipped with a 3-speed fan mode, adjusting the air flow rate in accordance with the ceiling height.
Innovative centrifugal fan provides larger air volume but lower noise, making the air supply more quietly and smoothly.

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



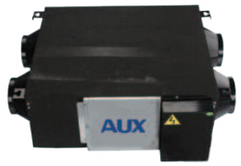

## Different Modes For Your Choice

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

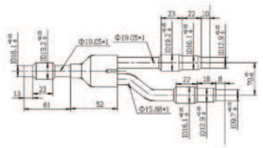
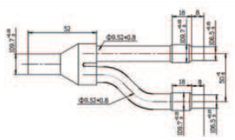
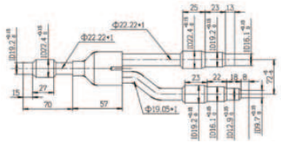
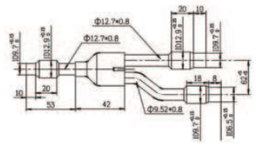
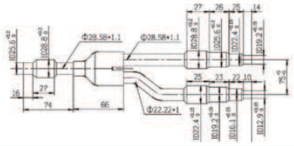
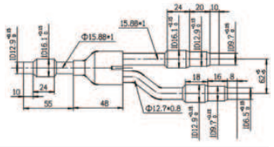
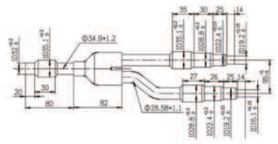
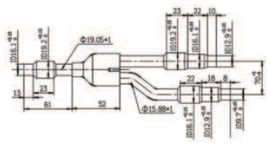
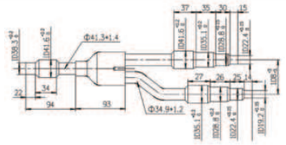
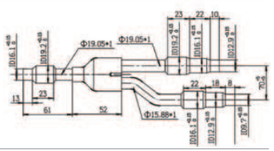
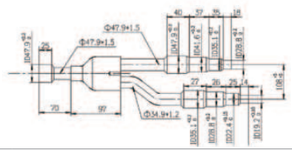
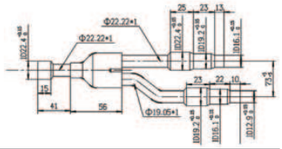
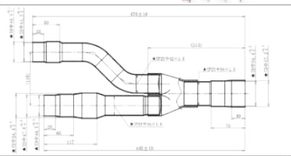
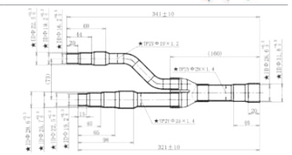
| Model | | | AHRV-200/4 | AHRV-300/4 | AHRV-400/4 | AHRV-500/4 | AHRV-800/4 | AHRV-1000/4 |
|---|---|---|---|---|---|---|---|---|
| Volume | | m3/h | 200 | 300 | 400 | 500 | 800 | 1000 |
| | | CFM | 118 | 176 | 235 | 294 | 471 | 588 |
| External static pressure | | Pa | 75 | 75 | 80 | 80 | 100 | 130 |
| Electric Data | Power Supply | V~,Hz,Ph | 220~240,50,1 | 220~240,50,1 | 220~240,50,1 | 220~240,50,1 | 220~240,50,1 | 220~240,50,1 |
| | Power Input | W | 65 | 120 | 200 | 220 | 410 | 510 |
| Cooling | Temp. Efficiency | % | 60 | 60 | 60 | 60 | 60 | 60 |
| | Enthalpy Efficiency | % | 50 | 50 | 50 | 50 | 50 | 50 |
| Heating | Temp. Efficiency | % | 65 | 65 | 65 | 65 | 65 | 65 |
| | Enthalpy Efficiency | % | 55 | 55 | 55 | 55 | 55 | 55 |
| Noise Level | | dB(A) | 37 | 39 | 40 | 41 | 43 | 45 |
| Flange | | mm | ¢ 144 | ¢ 144 | ¢ 144 | ¢ 194 | ¢ 243 | ¢ 243 |
| Net Weight | | kg | 25 | 27 | 30 | 41 | 68 | 82 |
| Net Dimension(WxDxH) | | mm | 848×654×264 | 926×722×270 | 926×927×270 | 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 | 1335×1055×533 | 1345×1315×548 |

## Specification-HRV

| Model | | | AHRV-1500/5 | AHRV-2000/5 | AHRV-2500/5 | AHRV-3000/5 | AHRV-4000/5 | AHRV-5000/5 |
|---|---|---|---|---|---|---|---|---|
| Volume | | m3/h | 1500 | 2000 | 2500 | 3000 | 4000 | 5000 |
| | | CFM | 882 | 1176 | 1471 | 1765 | 2353 | 2941 |
| External static pressure | | Pa | 160 | 170 | 180 | 200 | 220 | 240 |
| Electric Data | Power Supply | V~,Hz,Ph | 380~415,50,3 | 380~415,50,3 | 380~415,50,3 | 380~415,50,3 | 380~415,50,3 | 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 |

Remarks:
1.Data from AUX lab, Data may change according to test surroundings, AUX reserves right of explanation on data.
2.All specifications are subject to change by the manufacturer without prior notice.

# 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 |
| AFG-144B | 505x180x80 | 2.49/2.62 |

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

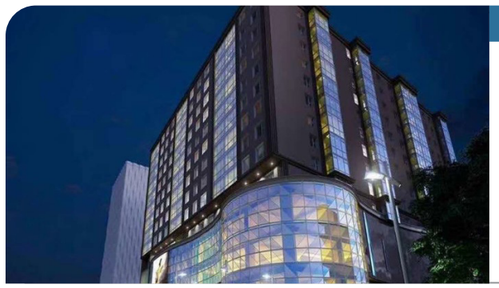
**Country:** UAE
**City:** Dubai
**Capacity** 1176KW
**Equipment:** DC Inverter VRF(MINI ARV)
**Date:** 09-2019

# Project Reference



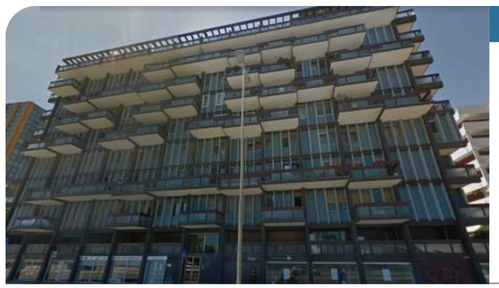

## Shopping Mall

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



## GEM MALL

| | |
|---|---|
| **Country:** | Mongolia |
| **City:** | Ulaanbaatar |
| **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 |