



19th Asian Games  
Hangzhou 2022

Official Exclusive Supplier for the  
Asian Games Hangzhou 2022

**AUX**  
COMMERCIAL AIR CONDITIONER



NINGBO AUX ELECTRIC CO.,LTD

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A large, curved image showing a modern building with a glass facade and a white interior with a large sofa. The image is partially covered by a blue geometric pattern on the left side.

**COMMERCIAL AIR  
CONDITIONER  
2023**





# BRIEF INTRODUCTION

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

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

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



# MILESTONE

STARTUP & DEVELOPMENT (1986-2022)

**1986**

Established AUX Group

**1994**

Started RAC Business

**2003**

Entered The CAC Field

**2004**

Got CNAS Certification

**2007**

Launched Digital  
Scroll ARV System

**2011**

Launched DC Inverter  
VRF System Globally

**2016**

Launched All DC  
Inverter ARV 5X  
Globally

**2019**

Launched All DC  
Inverter ARV 6  
Globally

**2021**

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

**2022**

promote new  
36HP (ARV 6)



01



## FREE-MATCH

Outdoor unit

Product line  
Nomenclature  
Feature  
Specification  
Dimension

P03-P12

02



## LIGHT COMMERCIAL

Outdoor unit

Product line  
Nomenclature  
Feature  
Specification  
Dimension

P13-P20

03



## INDOOR UNIT

Free Match &  
Light Commercial

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

P21-P62

04



## HEAT PUMP

Air to water

Nomenclature  
**MONOBLOCK**  
Product line  
Specifica  
Dimension  
**SPLIT**  
Specifica  
Dimension  
**Overall Solution**  
Feature

P63-P86

05

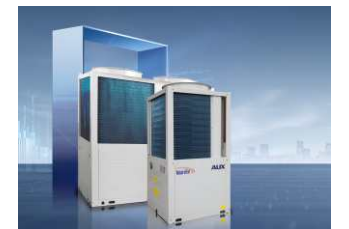


## VRF System

Nomenclature  
**Outdoor**  
ARV 6 Series  
Mini VRF  
**Indoor**  
Duct-Slim  
Duct-Medium  
Duct-High  
Cassette  
Ceiling & Floor  
Wall-mounted  
**Control System**  
HRV  
Branch Pipe

P87-P158

06



## MODULAR CHILLER & FCU

Nomenclature  
**Product line**  
**H Type Modular Chiller**  
**Fan Coil Unit**  
Cassette  
Horizontal Concealed  
Wall-mounted  
**Chiller Controller**  
**Revit Models Series**

P159-P184



## Health



### Fresh Air Intake

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



### Long-term Filter

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

## Comfort



### Anti-Cold-Air

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



### Follow Me

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



### Fast Cooling /Heating

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



### Auto swing

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



### Independent Dehumidification

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



### 3D Air Flow

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



### Dimmer

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



### Silent

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

## Reliability



### Self-diagnosis Function

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



### Low Ambient Cooling

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



### Intelligent Defrosting

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



### Compressor Heating Belt

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



### No Frosting Chassis

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



### Golden Fin

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



### Fire-proof Electric Box

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

## Energy Saving



### 180° Sine Wave Control

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



### Sleep Mode

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



### Full Process By DC Drive

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



### Hydrophilic aluminum fin

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

## Convenience



### 24-hour Timer

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



### Built-in Drain Pump

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



### Dual side Drainage

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



### Digital Tube Display

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



### Remote Control

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



### Wired Control

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



### Central Control

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



### WIFI Control

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



### Washable Filter

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



### Auto Restart Function

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



# 01 Free-Match

Outdoor unit

► Feature

- 

Efficiency
- 

Healthy
- 

Comfortable
- 

Intelligent
- 

Easy control
- 

Easy maintenance

► Authentication







Free match  
outdoor unit

DC Inverter Series-Free match-Outdoors Units

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

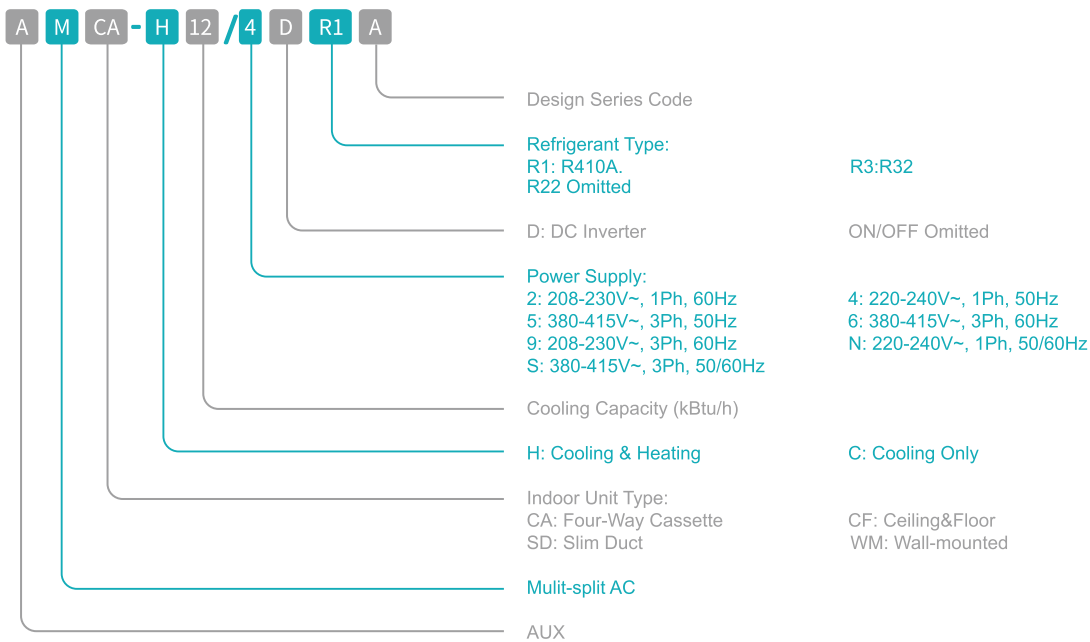
DC Inverter Series-Free match-Outdoors Units

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

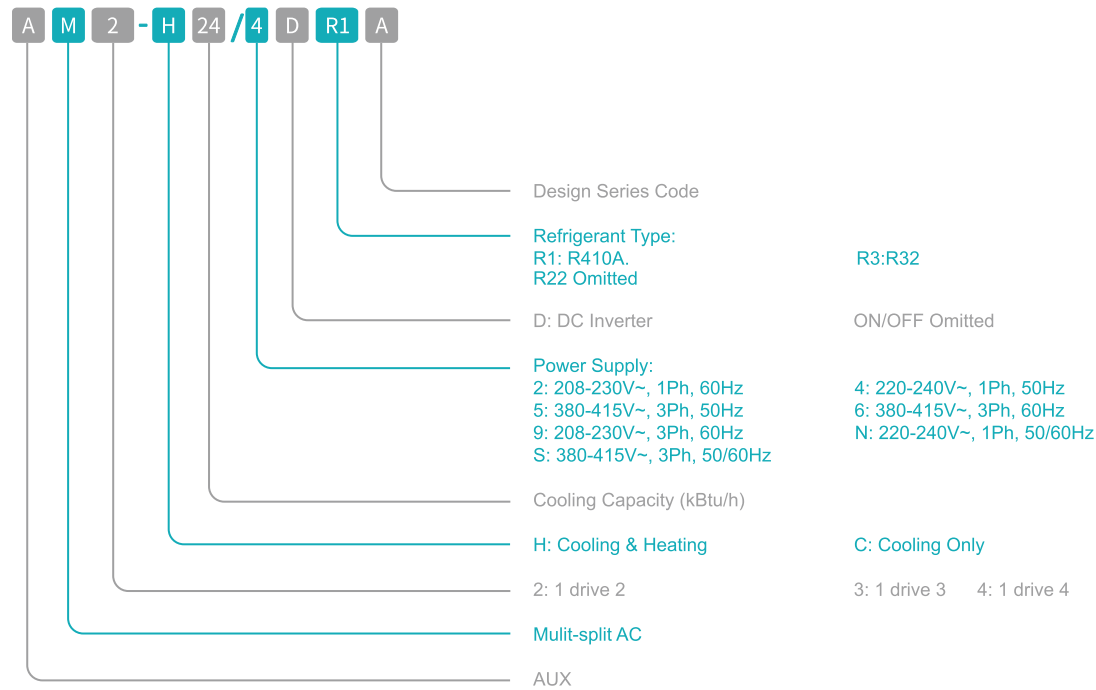


# Nomenclature-Free Match

## Indoor Unit



## Outdoor Unit



# Feature

### ► 180 sine wave control

180° sine wave control: DC inverter compressor adopts 180° sine wave vector control technology to make the compressor motor run smoothly, extend its service life, and significantly improve energy efficiency (insert pictures).



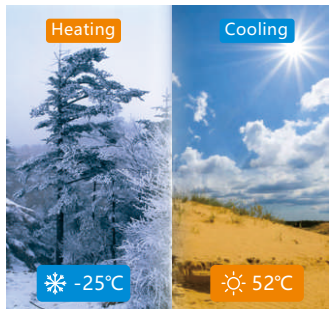
### ► R32 refrigerant

R32 refrigerant, GWP675, low greenhouse effect (insert comparison of R32 and R410A, R410A, GWP2025)



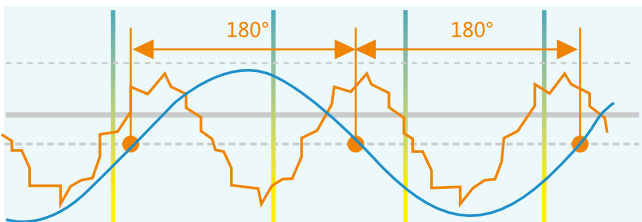
### ► Wide operating range

Whether the temperature is as high as 52°C in the hot summer or as low as -15°C in the cold winter, the outdoor unit can run smoothly, so that you can feel like spring in all seasons (the picture shall show the cold and hot outside, warm as spring inside, and reflects 52°C and -15°C).



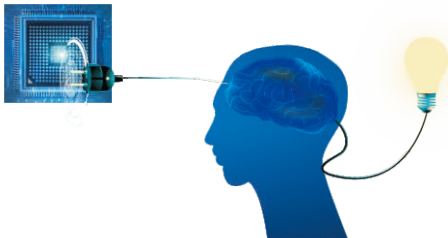
### ► High operating efficiency

The outdoor unit is equipped with high-efficiency DC inverter compressor, speed-adjustable fan, electronic expansion valve and advanced 180° sine wave vector drive, with SEER higher than 6.1 and SCOP higher than 4.0, meeting both new European and Australian energy efficiency standards (actual values are higher than the standard values by histogram comparison).



### ► Power failure memory function

In case the power is suddenly cut off during the operation of the unit, the unit runs according to the state before the power failure when the power supply is restored, without the need to restart manually



### ► Optional chassis heating band

Users can choose whether to install chassis heating band according to the local climate. For the region where the chassis is prone to icing, chassis heating band can prevent the chassis from icing, and ensure that the outdoor heat exchanger has good performance





The maximum pipe length for indoor and outdoor unit connection



| Piping Length (m)                         | 14/18K  | 21/27K  | 36K     | 42K     |
|-------------------------------------------|---------|---------|---------|---------|
|                                           | 1drive2 | 1drive3 | 1drive4 | 1drive5 |
| Total Piping Length                       | 40      | 60      | 80      | 80      |
| Single Piping Length (L1 /L2)             | 25      | 30      | 35      | 35      |
| High difference between IDU & ODU (H1/H2) | 15      | 15      | 15      | 15      |
| High difference between IDUs (H)          | 10      | 10      | 10      | 10      |

Combination

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

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

| AM3-H21/4DR3 | AM3-H21/4DR3C | Suggested Combination |                  |                    |        |
|--------------|---------------|-----------------------|------------------|--------------------|--------|
|              |               | One indoor unit       | Two indoor units | Three indoor units |        |
| 1 drive 3    |               | 18                    | 7+7              | 9+12               | 7+7+7  |
|              |               | —                     | 7+9              | 9+18               | 7+7+9  |
|              |               | —                     | 7+12             | 12+12              | 7+7+12 |
|              |               | —                     | 7+18             | —                  | 7+9+9  |
|              |               | —                     | 9+9              | —                  | 9+9+9  |
|              |               |                       |                  |                    | —      |

| AM3-H27/4DR3 | AM3-H27/4DR3C | Suggested Combination |                  |       |                    |         |
|--------------|---------------|-----------------------|------------------|-------|--------------------|---------|
|              |               | One indoor unit       | Two indoor units |       | Three indoor units |         |
| 1 drive 3    |               | 18                    | 7+7              | 9+18  | 7+7+7              | 7+9+18  |
|              |               | —                     | 7+9              | 12+12 | 7+7+9              | 7+12+12 |
|              |               | —                     | 7+12             | 12+18 | 7+7+12             | 9+9+9   |
|              |               | —                     | 7+18             | —     | 7+7+18             | 9+9+12  |
|              |               | —                     | 9+9              | —     | 7+9+9              | 9+12+12 |
|              |               | —                     | 9+12             | —     | 7+9+12             | —       |

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

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



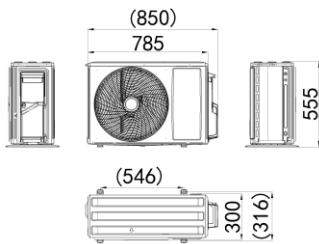
Specification

| Specification                  |                                              |          | 14K               | 18K               | 21K               |
|--------------------------------|----------------------------------------------|----------|-------------------|-------------------|-------------------|
| DC INVERTER                    | Model                                        |          | AM2-H14/4DR3C     | AM2-H18/4DR3C     | AM3-H21/4DR3C     |
| System Format                  |                                              |          | 1 drive 2         | 1 drive 2         | 1 drive 3         |
| Capacity                       | Cooling                                      | Btu/h    | 13989(6142~15388) | 18084(6824~19892) | 21154(7506~22895) |
|                                |                                              | kW       | 4.1(1.8~4.51)     | 5.3(2.0~5.83)     | 6.2(2.2~6.71)     |
|                                | Heating                                      | Btu/h    | 15354(6995~18015) | 19107(7541~21017) | 22519(8155~24771) |
|                                |                                              | kW       | 4.5(2.05~5.28)    | 5.6(2.21~6.16)    | 6.6(2.39~7.26)    |
| Electric Data                  | Power Supply                                 | V~,Hz,Ph | 220~240,50,1      | 220~240,50,1      | 220~240,50,1      |
|                                | Cooling Power Input                          | W        | 1240(198~2100)    | 1640(280~2300)    | 1920 ( 350~2800 ) |
|                                | Heating Power Input                          | W        | 1150(198~2100)    | 1480(280~2300)    | 1780 ( 350~2800 ) |
|                                | Rated Current (cooling&heating)              | A        | 5.39/5.00         | 7.13/6.43         | 8.35/7.74         |
| Performance                    | SEER/SCOP                                    | W/W      | 6.15/4.12         | 6.13/4.09         | 6.13/4.19         |
|                                | Energy Rate                                  |          | A++/A+            | A++/A+            | A++/A+            |
|                                | EER/COP                                      | W/W      | 3.31/3.91         | 3.23/3.78         | 3.23/3.71         |
|                                | Air Flow Volume                              | m³/h     | 2600              | 2600              | 4100              |
|                                | Sound Pressure Noise Level                   | dB(A)    | 53                | 54                | 56                |
|                                | Sound Power Noise Level                      | dB(A)    | 63                | 64                | 66                |
| Dimension                      | Net (W*D*H)                                  | mm       | 785×300×555       | 785×300×555       | 900×350×700       |
|                                | Packing (W*D*H)                              | mm       | 900×380×615       | 900×380×615       | 1015×415×755      |
| Weight                         | Net/Gross                                    | kg       | 30/32.5           | 30/32.5           | 41.5/45           |
| Piping                         | Liquid Side                                  | mm(inch) | 2×6.35(1/4)       | 2×6.35(1/4)       | 3×6.35(1/4)       |
|                                | Gas Side                                     | mm(inch) | 2×9.52(3/8)       | 2×9.52(3/8)       | 3×9.52(3/8)       |
|                                | Max. length for all rooms(m)                 | m        | 40                | 40                | 60                |
|                                | Max. length for one IDU(m)                   | m        | 25                | 25                | 30                |
|                                | Max. height difference between IDU and OU(m) | m        | 15                | 15                | 15                |
|                                | Max. height difference between IDUs(m)       | m        | 10                | 10                | 10                |
| Ambient Temp (Cooling/Heating) |                                              | ℃        | -10~52℃/-15~24℃   | -10~52℃/-15~24℃   | -10~52℃/-15~24℃   |
| Stuffing Quantity              | 20/40/40H                                    | unit     | 114/237/316       | 114/237/316       | 90/189/189        |

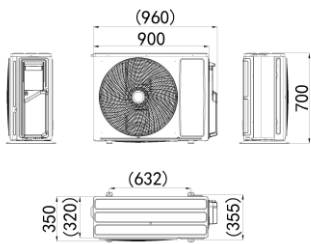
Remark: The above designs and specifications are subject to change of product improvement without prior notice.

Dimension

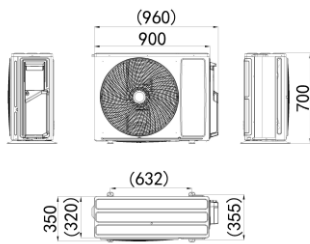
AM2-H14/4DR3C、AM2-H18/4DR3C



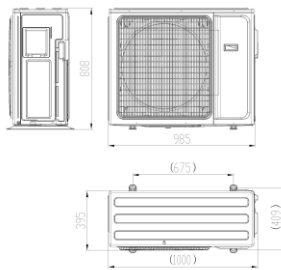
AM3-H21/4DR3C



AM3-H27/4DR3C



AM4-H36/4DR3、AM5-H42/4DR3



| Specification                  |                                              |          |                   | 27K           | 36K               | 42K                |
|--------------------------------|----------------------------------------------|----------|-------------------|---------------|-------------------|--------------------|
| DC INVERTER                    | Model                                        |          |                   | AM3-H27/4DR3C | AM4-H36/4DR3      | AM5-H42/4DR3       |
| System Format                  |                                              |          |                   | 1 drive 3     | 1 drive 4         | 1 drive 5          |
| Capacity                       | Cooling                                      | Btu/h    | 26955(7848~29650) |               | 35826(8530~37532) | 40944(9451~43332)  |
|                                |                                              | kW       | 7.9(2.3~8.69)     |               | 10.50(2.5~11.0)   | 12(2.77~12.7)      |
|                                | Heating                                      | Btu/h    | 27978(8359~30776) |               | 37532(9110~38214) | 44356(10100~44800) |
|                                |                                              | kW       | 8.2(2.45~9.02)    |               | 11.00(2.67~11.2)  | 13(2.96~13.1)      |
| Electric Data                  | Power Supply                                 | V~,Hz,Ph | 220~240,50,1      |               | 220~240,50,1      | 220~240,50,1       |
|                                | Cooling Power Input                          | W        | 2440 ( 560~3400 ) |               | 3950(680~4930)    | 4450(750~5450)     |
|                                | Heating Power Input                          | W        | 2210 ( 560~3400 ) |               | 3150(530~3850)    | 3750(600~4350)     |
|                                | Rated Current (cooling&heating)              | A        | 10.61/9.61        |               | 17.5/13.96        | 19.72/16.62        |
| Performance                    | SEER/SCOP                                    | W/W      | 6.19/4.08         |               | 6.15/4.12         | 6.14/4.04          |
|                                | Energy Rate                                  |          | A++/A+            |               | A++/A+            | A++/A+             |
|                                | EER/COP                                      | W/W      | 3.23/3.71         |               | 2.66/3.49         | 2.70/3.47          |
|                                | Air Flow Volume                              | m³/h     | 4100              |               | 4000              | 4200               |
|                                | Sound Pressure Noise Level                   | dB(A)    | 57                |               | 61                | 61                 |
|                                | Sound Power Noise Level                      | dB(A)    | 67                |               | 68                | 68                 |
| Dimension                      | Net (W*D*H)                                  | mm       | 900×350×700       |               | 985×395×808       | 985×395×808        |
|                                | Packing (W*D*H)                              | mm       | 1015×415×755      |               | 1105×495×895      | 1105×495×895       |
| Weight                         | Net/Gross                                    | kg       | 44.5/48           |               | 74/78             | 75/79              |
| Piping                         | Liquid Side                                  | mm(inch) | 3×6.35(1/4)       |               | 4×6.35(1/4)       | 5×6.35(1/4)        |
|                                | Gas Side                                     | mm(inch) | 3×9.52(3/8)       |               | 4×9.52(3/8)       | 5×9.52(3/8)        |
|                                | Max. length for all rooms(m)                 | m        | 60                |               | 80                | 80                 |
|                                | Max. length for one IDU(m)                   | m        | 30                |               | 35                | 35                 |
|                                | Max. height difference between IDU and OU(m) | m        | 15                |               | 15                | 15                 |
|                                | Max. height difference between IDUs(m)       | m        | 10                |               | 10                | 10                 |
| Ambient Temp (Cooling/Heating) |                                              | ℃        | -10~52℃/-15~24℃   |               | -10~52℃/-15~24℃   | -10~52℃/-15~24℃    |
| Stuffing Quantity              | 20/40/40H                                    | unit     | 90/189/189        |               | 44/96/144         | 44/96/144          |

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



# Light Commercial

Outdoor unit

## ► Feature



Reliable



Intelligent



Healthy



Comfortable



Efficiency

## ► Authentication







## DC Inverter Series-Light Commercial-Outdoors Units

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

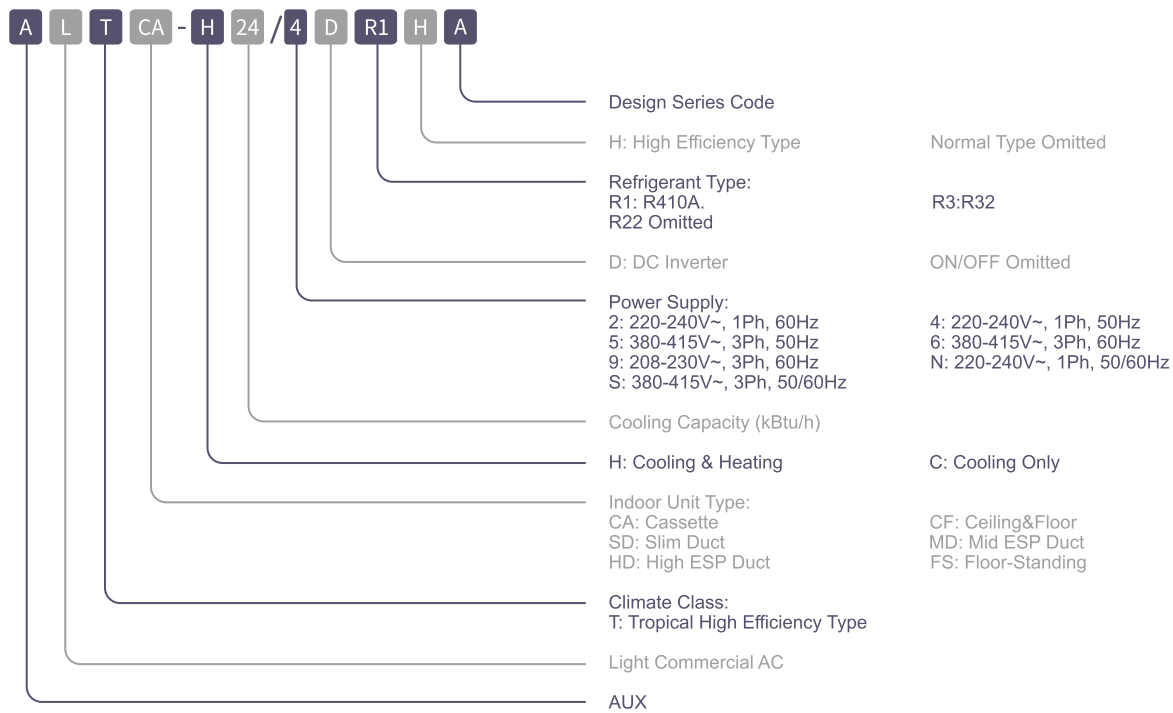
## DC Inverter Series-Light Commercial-Outdoors Units

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

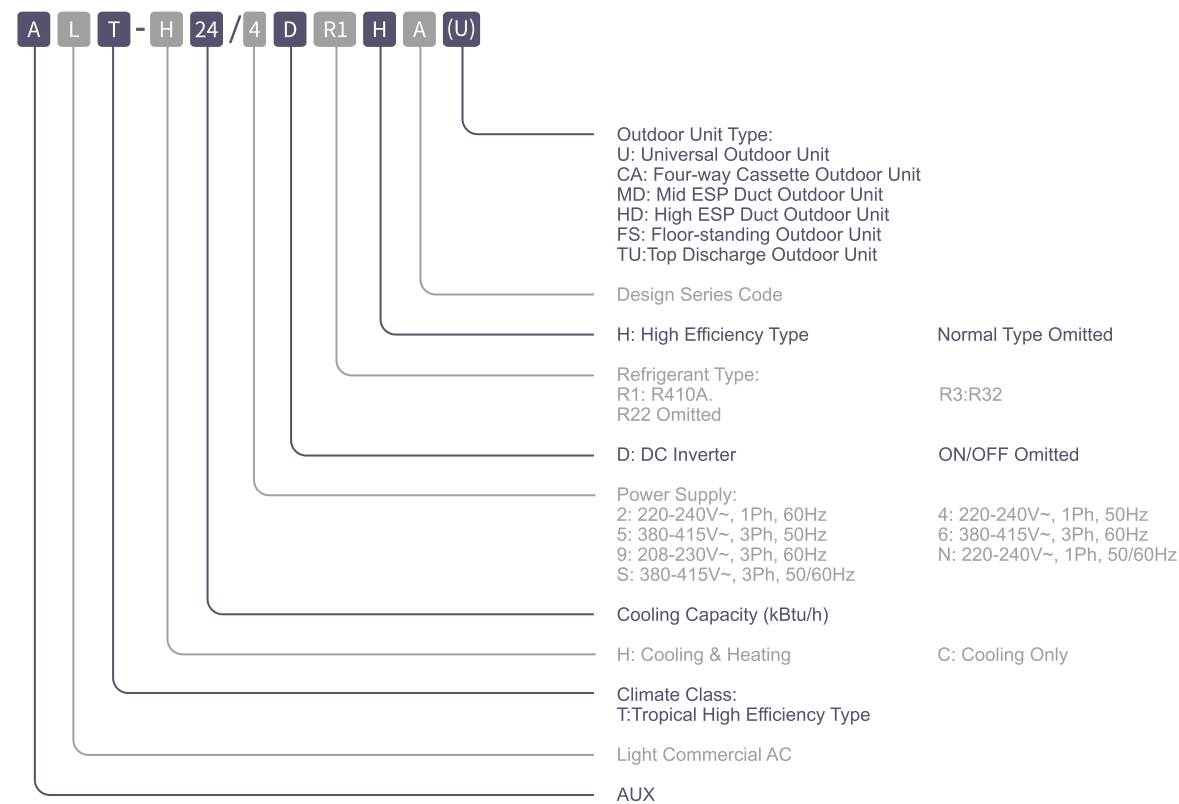


Nomenclature-Light Commercial

Indoor Unit



Outdoor Unit



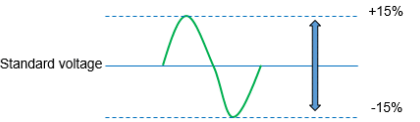
Feature

- ▶ DC inverter  
DC inverter compressor and DC fan motor have good efficiency under partial load conditions and are more energy efficient; EXV precisely controls refrigerant flow to ensure fast refrigerating and heating, reducing temperature fluctuations and increasing unit reliability.
- ▶ Wide operating range and voltage range  
Refrigerating operating range of -15°C-52°C, and heating operating range of -15°C-24°C.  
It can operate stably under the condition of voltage fluctuation of ±15%



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

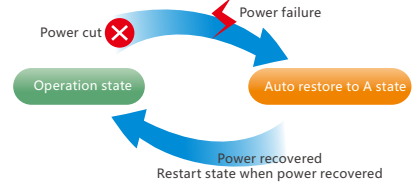




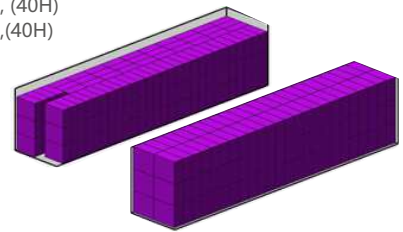
▶ Outdoor unit rust prevention  
The outdoor unit is made of hot-dip galvanized steel with high-temperature pure polyester powder sprayed by Wagner spraying equipment to prevent corrosion and rusting, and to prolong the service life of the unit.

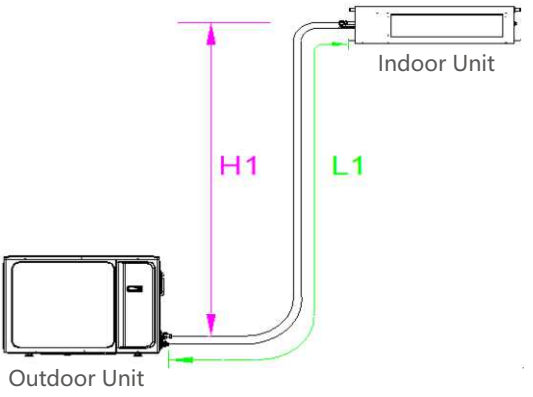


- ▶ Automatic restart function  
The unit can automatically memorize the operation settings when the power is accidentally cut off; when power is restored, the unit can restore to its previous settings and restart operation automatically.
- ▶ Flexible installation  
The long connecting pipe and high drop design of indoor and outdoor units allow more flexible installation.



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





▶ Piping Length (m)

| Capacity (K btu/h) | Max. Piping Length L 1 | Max. Piping High H 1 |
|--------------------|------------------------|----------------------|
| 12 K               | 25m                    | 10m                  |
| 18 K               | 30m                    | 20m                  |
| 24/30 K            | 50m                    | 25m                  |
| 36/42/48/60 K      | 65m                    | 30m                  |



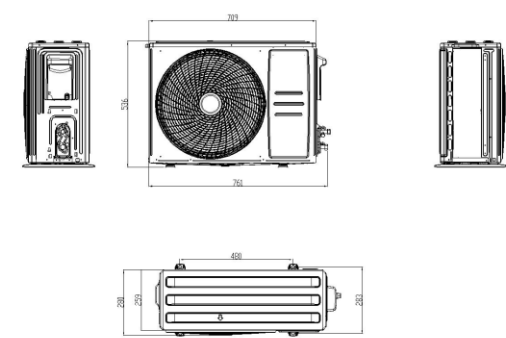
# Specification

| Specification                              |             |      | AL-H12/NDR3HB2(U) | AL-H18/NDR3HB2(U) | AL-H24/NDR3HB2(U) | AL-H30/NDR3HB2(U) |
|--------------------------------------------|-------------|------|-------------------|-------------------|-------------------|-------------------|
| Power Supply                               | V~,Hz,Ph    |      | 220-240/50&60/1   | 220-240/50&60/1   | 220-240/50&60/1   | 220-240/50&60/1   |
| Max. Input Consumption                     | W           |      | 1700              | 2400              | 3650              | 3650              |
| Max. Current                               | A           |      | 9                 | 12                | 16                | 16                |
| Air Flow Volume                            | m³/h        |      | 2000              | 2600              | 4200              | 4200              |
| Sound Pressure Noise Level                 | dB(A)       |      | 54                | 55                | 58                | 58                |
| Sound Power Noise Level                    | dB(A)       |      | 64                | 65                | 68                | 68                |
| Dimension(W×D×H)                           | Net         | mm   | 709×536×280       | 785×300×555       | 900×350×700       | 900×350×700       |
|                                            | Packing     | mm   | 825×345×595       | 900×380×615       | 1020×430×770      | 1020×430×770      |
| Weight                                     | Net/Gross   | kg   | 23/27             | 29/34             | 43/48             | 50/54             |
|                                            | Liquid Side | mm   | 6.35(1/4)         | 6.35(1/4)         | 9.52(3/8)         | 9.52(3/8)         |
|                                            | Gas Side    | mm   | 12.7(1/2)         | 12.7(1/2)         | 15.88(5/8)        | 15.88(5/8)        |
| Refrigerant Piping                         | Drainage    | mm   | R3/4in(DN20)      | R3/4in(DN20)      | R3/4in(DN20)      | R3/4in(DN20)      |
|                                            | Max. Length | m    | 25                | 30                | 50                | 50                |
|                                            | Max. Height | m    | 10                | 20                | 25                | 25                |
| Operation Temperature Range                | ℃           |      | 16~32             | 16~32             | 16~32             | 16~32             |
| Ambient Temperature Range(Cooling/Heating) | ℃           |      | -15~52/-15~24     | -15~52/-15~24     | -15~52/-15~24     | -15~52/-15~24     |
| Stuffing Quantity                          | 20/40/40H   | Unit | 192/384/384       | 114/237/316       | 87/183/183        | 87/183/183        |

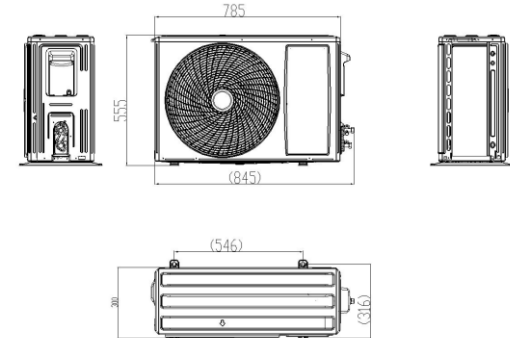
| Specification                              |             |      | AL-H36/NDR3A(U) | AL-H42/NDR3A(U) | AL-H48/SDR3A(U) | AL-H60/SDR3A(U) |
|--------------------------------------------|-------------|------|-----------------|-----------------|-----------------|-----------------|
| Power Supply                               | V~,Hz,Ph    |      | 220-240/50&60/1 | 220-240/50&60/1 | 380-415/50&60/3 | 380-415/50&60/3 |
| Max. Input Consumption                     | W           |      | 5370            | 5730            | 6800            | 7100            |
| Max. Current                               | A           |      | 23.5            | 24.9            | 15.0            | 15.0            |
| Air Flow Volume                            | m³/h        |      | 4000            | 4200            | 7200            | 7200            |
| Sound Pressure Noise Level                 | dB(A)       |      | 57              | 57              | 60              | 60              |
| Sound Power Noise Level                    | dB(A)       |      | 66              | 66              | 70              | 70              |
| Dimension(W×D×H)                           | Net         | mm   | 970×395×805     | 970×395×805     | 940×370×1325    | 940×370×1325    |
|                                            | Packing     | mm   | 1105×495×895    | 1105×495×895    | 1080×430×1440   | 1080×430×1440   |
| Weight                                     | Net/Gross   | kg   | 72/76           | 72/76           | 92/102          | 92/102          |
|                                            | Liquid Side | mm   | 9.52(3/8)       | 9.52(3/8)       | 9.52(3/8)       | 9.52(3/8)       |
|                                            | Gas Side    | mm   | 15.88(5/8)      | 15.88(5/8)      | 19.05(3/4)      | 19.05(3/4)      |
| Refrigerant Piping                         | Drainage    | mm   | R3/4in ( DN20 ) | R3/4in ( DN20 ) | R3/4in ( DN20 ) | R3/4in ( DN20 ) |
|                                            | Max. Length | m    | 65              | 65              | 65              | 65              |
|                                            | Max. Height | m    | 30              | 30              | 30              | 30              |
| Operation Temperature Range                | ℃           |      | 16~32           | 16~32           | 16~32           | 16~32           |
| Ambient Temperature Range(Cooling/Heating) | ℃           |      | -15~52/-15~24   | -15~52/-15~24   | -15~52/-15~24   | -15~52/-15~24   |
| Stuffing Quantity                          | 20/40/40H   | Unit | 44/96/144       | 44/96/144       | 27/55/55        | 27/55/55        |

# Dimension

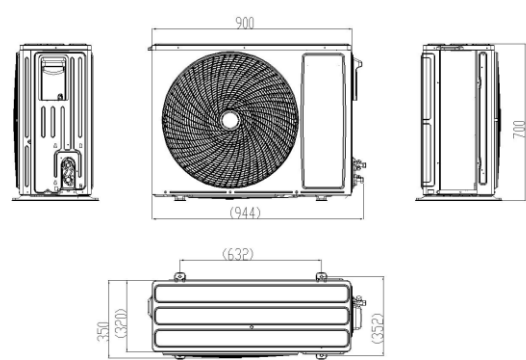
AL-H12/NDR3HB2(U)



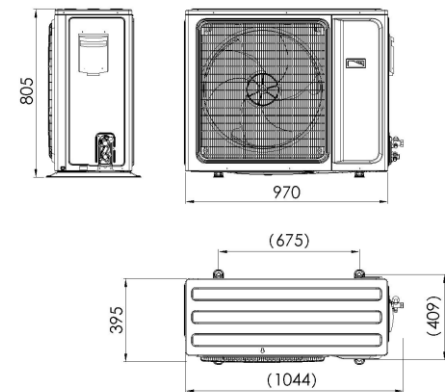
AL-H18/NDR3HB2(U)



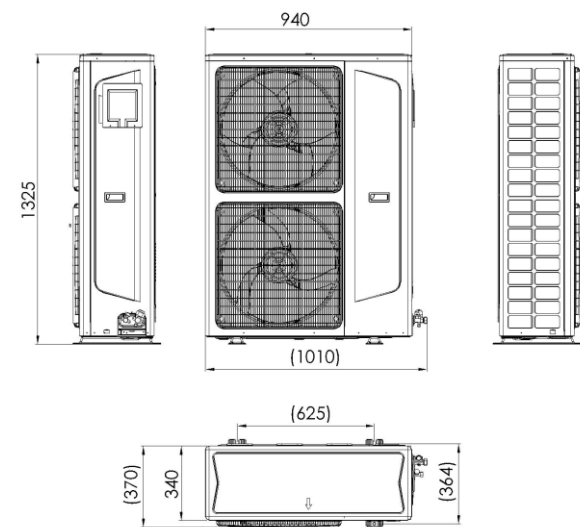
AL-H24/NDR3HB2(U)、AL-H30/NDR3HB2(U)



AL-H36/NDR3A(U)、AL-H42/NDR3A(U)



AL-H48/SDR3A(U) 、AL-H60/SDR3A(U)





# Indoor Unit

Free Match &  
Light Commercial

## ► Feature



Reliable



Intelligent



Healthy



Comfortable



Efficiency

## ► Authentication





# J SERIES

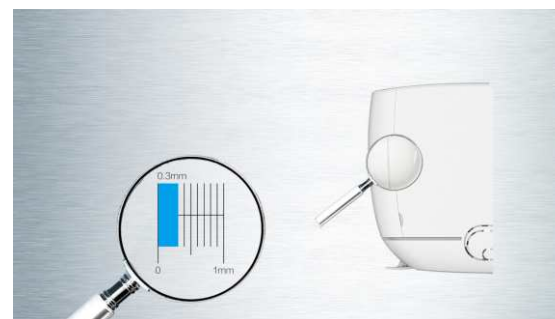
## Free-match



### Feature

#### ► Appearance integrated design

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



#### ► Removable lower cover

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



Engineer to 1



Installation time reduce by half

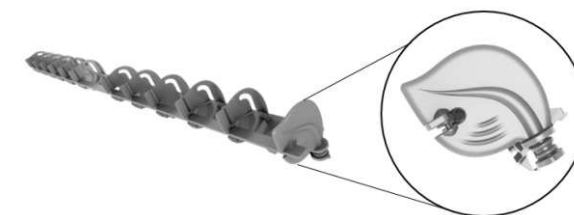
#### ► Switch-type sealing knob

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



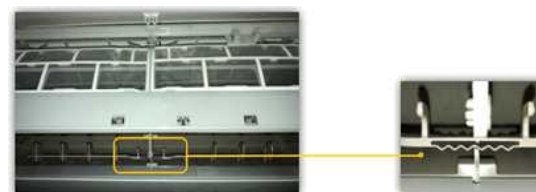
#### ► Arc-shaped fin guide

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



#### ► Wave-shaped air guide vane

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



#### ► Pluggable PCB (only 12K)

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





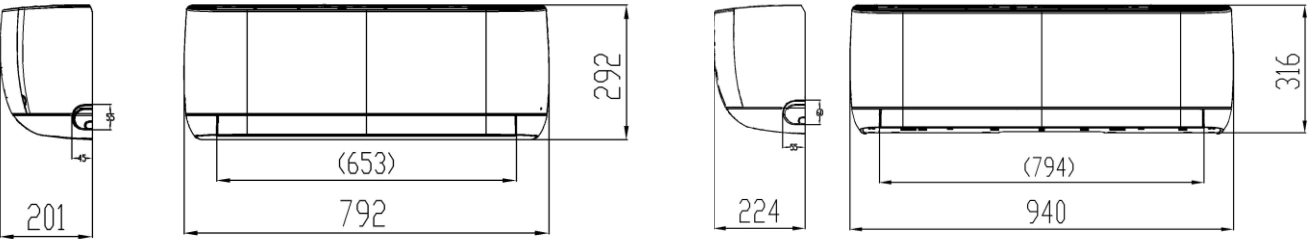
Specification

| Model             | Indoor                     |          | AMWM-H07/4R3A(J*) | AMWM-H09/4R3A(J*) | AMWM-H12/4R3A(J*) |
|-------------------|----------------------------|----------|-------------------|-------------------|-------------------|
| Capacity          | Cooling                    | Btu/h    | 7165(3855~9220)   | 9000(4780~11260)  | 12285(5800~12625) |
|                   |                            | kW       | 2.05(1.13~2.70)   | 2.58(1.40~3.30)   | 3.50(1.70~3.70)   |
|                   | Heating                    | Btu/h    | 7510(3340~8530)   | 9215(4095~10240)  | 12625(5120~12625) |
|                   |                            | kW       | 2.15(0.98~2.50)   | 2.70(1.20~3.00)   | 3.50(1.50~3.70)   |
| Electric Data     | Power Supply               | V~,Hz,Ph | 220 ~ 240,50,1    | 220 ~ 240,50,1    | 220 ~ 240,50,1    |
|                   | Cooling Power Input        | W        | 40(12 ~ 68)       | 40(12 ~ 68)       | 40(12 ~ 68)       |
|                   | Heating Power Input        | W        | 40(12 ~ 68)       | 40(12 ~ 68)       | 40(12 ~ 68)       |
| Performance       | Air Flow Volume            | m3/h     | 600               | 600               | 600               |
|                   | Sound Pressure Noise Level | dB(A)    | 40/36/32          | 40/36/32          | 41/36/33          |
|                   | Sound Power Noise Level    | dB(A)    | 51                | 54                | 52                |
| Dimension         | Net Dimension (W*D*H)      | mm       | 792*292*201       | 792*292*201       | 792*292*201       |
|                   | Packing Dimension (W*D*H)  | mm       | 888*370*290       | 888*370*290       | 888*370*290       |
| Weight            | Net/Gross                  | kg       | 8.5/10.5          | 8.5/10.5          | 8.5/10.5          |
| Pipe Diameter     | Liquid Side                | mm(inch) | 6.35(1/4)         | 6.35(1/4)         | 6.35(1/4)         |
|                   | Gas Side                   | mm(inch) | 9.52(3/8)         | 9.52(3/8)         | 9.52(3/8)         |
|                   | Drainage                   | mm       | 16.5              | 16.5              | 16.5              |
| Stuffing Quantity | 20/40/40H                  | unit     | 330/689/778       | 330/689/778       | 330/689/778       |

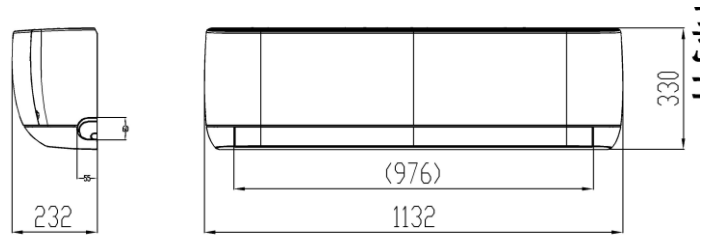
| Model             | Indoor                     |          | AMWM-H18/4R3A(J*) | AMWM-H24/4R3A(J*) |
|-------------------|----------------------------|----------|-------------------|-------------------|
| Capacity          | Cooling                    | Btu/h    | 17747(8530~19790) | 23542(9895~24908) |
|                   |                            | kW       | 5.27(2.50~5.80)   | 6.90(2.90~7.30)   |
|                   | Heating                    | Btu/h    | 18085(7680~19790) | 24054(7165~27296) |
|                   |                            | kW       | 5.37(2.25~5.80)   | 7.05(2.10~8.00)   |
| Electric Data     | Power Supply               | V~,Hz,Ph | 220 ~ 240,50,1    | 220 ~ 240,50,1    |
|                   | Cooling Power Input        | W        | 63(16 ~ 88)       | 63(16~88)         |
|                   | Heating Power Input        | W        | 63(16 ~ 88)       | 63(16~88)         |
| Performance       | Air Flow Volume            | m3/h     | 850               | 1300              |
|                   | Sound Pressure Noise Level | dB(A)    | 44/41/35          | 46/42/37          |
|                   | Sound Power Noise Level    | dB(A)    | 55                | 59                |
| Dimension         | Net Dimension (W*D*H)      | mm       | 940*316*224       | 1132*330*232      |
|                   | Packing Dimension (W*D*H)  | mm       | 1010*385*310      | 1200*390*305      |
| Weight            | Net/Gross                  | kg       | 11.5/13.5         | 14/17             |
| Pipe Diameter     | Liquid Side                | mm(inch) | 6.35(1/4)         | 6.35(1/4)         |
|                   | Gas Side                   | mm(inch) | 12.7(1/2)         | 15.88(5/8)        |
|                   | Drainage                   | mm       | 16.5              | 16.5              |
| Stuffing Quantity | 20/40/40H                  | unit     | 262/532/602       | 196/400/464       |

Dimension

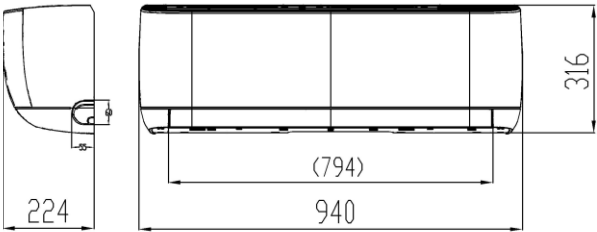
AMWM-H07/4R3A AMWM-H09/4R3A  
AMWM-H12/4R3A



AMWM-H24/4R3A



AMWM-H18/4R3A





# H SERIES

## Free-match



## Feature

### ► Elegant appearance

- ① hidden air outlet design;
- ② Japanese style, with visual thickness of 145 mm.



Hidden air outlet  
gap 0.5mm→0mm

Elegant appearance with hidden air outlet gap that prevents dust from entering through the aperture.

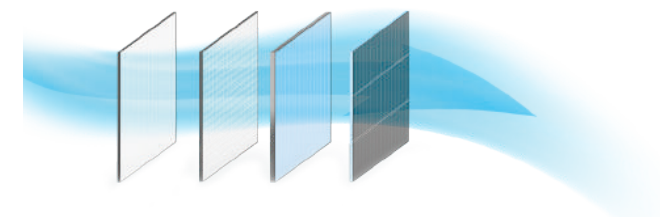
Japanese style ,  
Visual thickness 145mm

The indoor unit design with the front and rear two-stage suspension, making the body floating gently on the wall.



### ► High density filter

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



### ► Nanoscale chassis protection foam

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



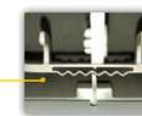
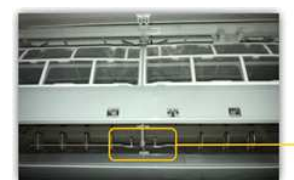
### ► Switch-type sealing knob

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



### ► Wave-shaped air guide vane

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



### ► Pluggable PCB (only 12K)

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





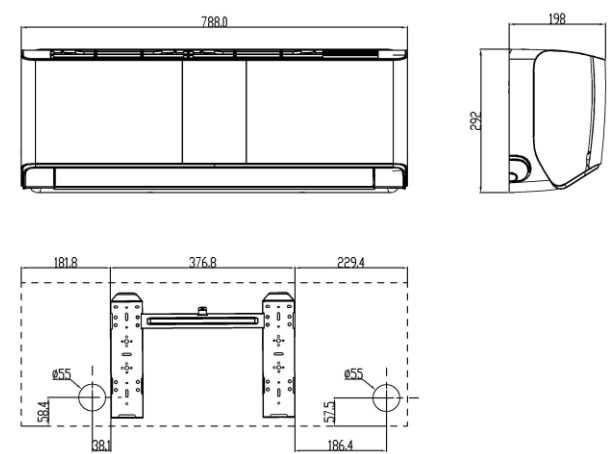
Specification

| Model             | Indoor                     |          | AMWM-H07/4R3A(H*) | AMWM-H09/4R3A(H*) | AMWM-H12/4R3A(H*) |
|-------------------|----------------------------|----------|-------------------|-------------------|-------------------|
| Capacity          | Cooling                    | Btu/h    | 7165(3855~9220)   | 9000(4780~11260)  | 12285(5800~12625) |
|                   |                            | kW       | 2.05(1.13~2.70)   | 2.58(1.40~3.30)   | 3.50(1.70~3.70)   |
|                   | Heating                    | Btu/h    | 7510(3340~8530)   | 9215(4095~10240)  | 12625(5120~12625) |
|                   |                            | kW       | 2.15(0.98~2.50)   | 2.70(1.20~3.00)   | 3.50(1.50~3.70)   |
| Electric Data     | Power Supply               | V~,Hz,Ph | 220 ~ 240,50,1    | 220 ~ 240,50,1    | 220 ~ 240,50,1    |
|                   | Cooling Power Input        | W        | 40(12 ~ 68)       | 40(12 ~ 68)       | 40(12 ~ 68)       |
|                   | Heating Power Input        | W        | 40(12 ~ 68)       | 40(12 ~ 68)       | 40(12 ~ 68)       |
| Performance       | Air Flow Volume            | m3/h     | 600               | 600               | 600               |
|                   | Sound Pressure Noise Level | dB(A)    | 40/36/32          | 40/36/32          | 41/36/33          |
|                   | Sound Power Noise Level    | dB(A)    | 57                | 57                | 57                |
| Dimension         | Net Dimension (W*D*H)      | mm       | 788×292×198       | 788×292×198       | 788×292×198       |
|                   | Packing Dimension (W*D*H)  | mm       | 880×370×290       | 880×370×290       | 880×370×290       |
| Weight            | Net/Gross                  | kg       | 8.5/10.5          | 8.5/10.5          | 8.5/10.5          |
| Pipe Diameter     | Liquid Side                | mm(inch) | 6.35(1/4)         | 6.35(1/4)         | 6.35(1/4)         |
|                   | Gas Side                   | mm(inch) | 9.52(3/8)         | 9.52(3/8)         | 9.52(3/8)         |
|                   | Drainage                   | mm       | 16.9              | 16.9              | 16.9              |
| Stuffing Quantity | 20/40/40H                  | unit     | 330/689/778       | 330/689/778       | 330/689/778       |

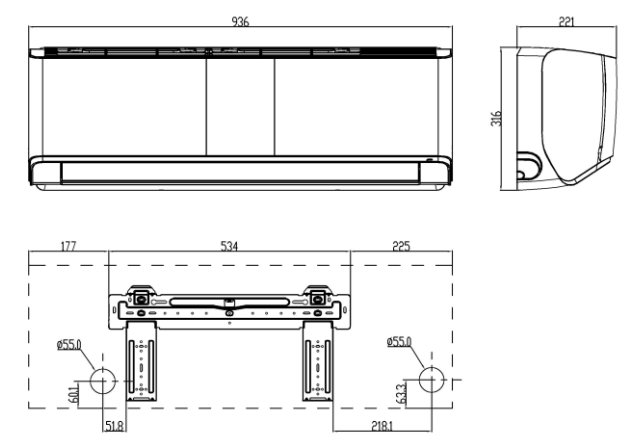
| Model             | Indoor                     |          | AMWM-H18/4R3A(H*) | AMWM-H24/4R3A(H*) |
|-------------------|----------------------------|----------|-------------------|-------------------|
| Capacity          | Cooling                    | Btu/h    | 17747(8530~19790) | 23542(9895~24908) |
|                   |                            | kW       | 5.27(2.50~5.80)   | 6.90(2.90~7.30)   |
|                   | Heating                    | Btu/h    | 18085(7680~19790) | 24054(7165~27296) |
|                   |                            | kW       | 5.37(2.25~5.80)   | 7.05(2.10~8.00)   |
| Electric Data     | Power Supply               | V~,Hz,Ph | 220 ~ 240,50,1    | 220 ~ 240,50,1    |
|                   | Cooling Power Input        | W        | 63(16 ~ 88)       | 63(16~88)         |
|                   | Heating Power Input        | W        | 63(16 ~ 88)       | 63(16~88)         |
| Performance       | Air Flow Volume            | m3/h     | 850               | 1300              |
|                   | Sound Pressure Noise Level | dB(A)    | 44/41/35          | 46/42/37          |
|                   | Sound Power Noise Level    | dB(A)    | 57                | 62                |
| Dimension         | Net Dimension (W*D*H)      | mm       | 936×316×221       | 1121×329×231      |
|                   | Packing Dimension (W*D*H)  | mm       | 1010×385×307      | 1210×400×327      |
| Weight            | Net/Gross                  | kg       | 12/14             | 15/18             |
| Pipe Diameter     | Liquid Side                | mm(inch) | 6.35(1/4)         | 6.35(1/4)         |
|                   | Gas Side                   | mm(inch) | 12.7(1/2)         | 15.88(5/8)        |
|                   | Drainage                   | mm       | 16.9              | 16.9              |
| Stuffing Quantity | 20/40/40H                  | unit     | 262/532/602       | 196/400/464       |

Dimension

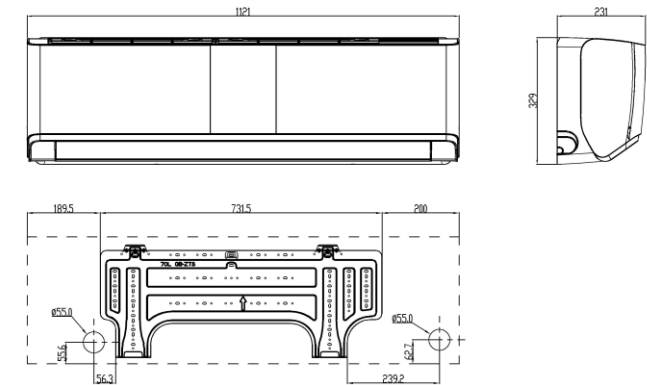
AMWM-H07/4R3A、AMWM-H09/4R3A、AMWM-H12/4R3A



AMWM-H18/4R3A



AMWM-H24/4R3A





# Q SERIES

Free-match



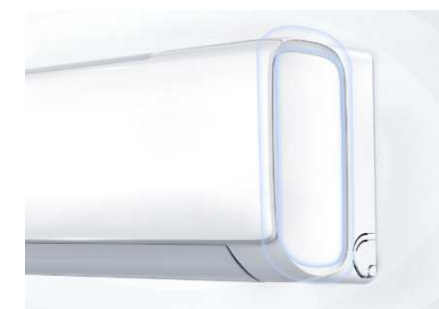
## Feature

### ► Mirror polished panel

With smooth texture, more luster, no aging, dustproof and lasting beauty



### ► Overall roundness appearance



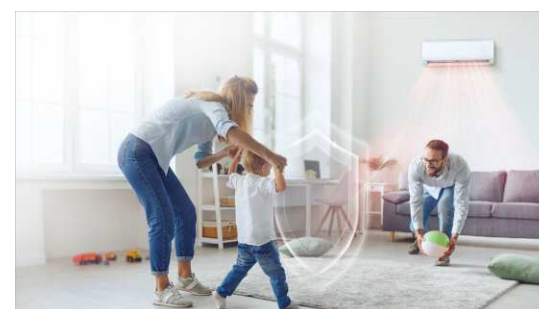
### ► Pneumatic maintenance deflector

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



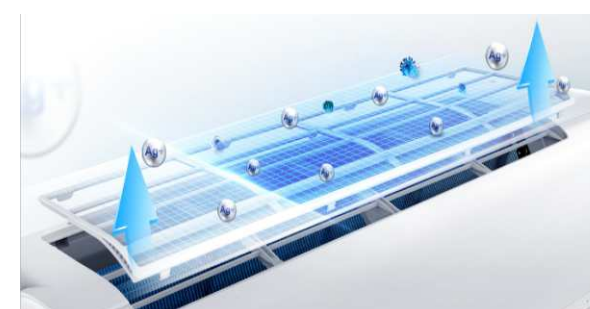
### ► Anti-cold air design

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



### ► Removable silver ion antibacterial filter

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





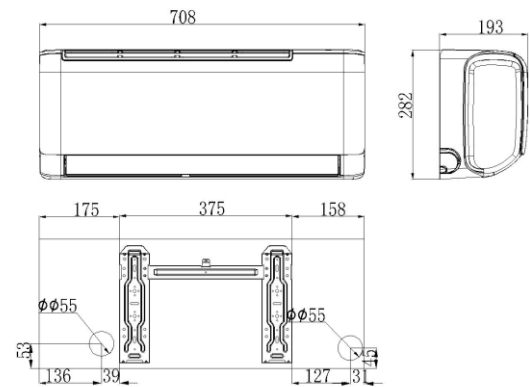
Specification

| Model             | Indoor                     |          | AMWM-H07/4R3B(Q*)  | AMWM-H09/4R3B(Q*) | AMWM-H12/4R3A(Q*)  |
|-------------------|----------------------------|----------|--------------------|-------------------|--------------------|
| Capacity          | Cooling                    | Btu/h    | 7000 ( 3855-9220 ) | 9000(4780-11260)  | 12000(5800-12625)  |
|                   |                            | kW       | 2.05 ( 1.13-2.70 ) | 2.60(1.40-3.30)   | 3.52 ( 1.70-3.70 ) |
|                   | Heating                    | Btu/h    | 7400 ( 3340-8530 ) | 10000(4095-10240) | 13000(6140-13300)  |
|                   |                            | kW       | 2.15 ( 0.98-2.50 ) | 2.93(1.2-3.00)    | 3.8 ( 1.80-3.90 )  |
| Electric Data     | Power Supply               | V~,Hz,Ph | 220-240,50,1       | 220-240,50,1      | 220-240,50,1       |
|                   | Cooling Power Input        | W        | 20                 | 20                | 40 ( 12 ~ 68 )     |
|                   | Heating Power Input        | W        | 20                 | 20                | 40 ( 12 ~ 68 )     |
| Performance       | Air Flow Volume            | m³/h     | 550                | 550               | 600                |
|                   | Sound Pressure Noise Level | dB(A)    | 40                 | 40                | 40/36/32           |
|                   | Sound Power Noise Level    | dB(A)    | 53                 | 53                | 54                 |
| Dimension         | Net Dimension (W*D*H)      | mm       | 708×282×193        | 708×282×193       | 762×295×200        |
|                   | Packing Dimension (W*D*H)  | mm       | 765×351×269        | 765×351×269       | 825×367×277        |
| Weight            | Net/Gross                  | kg       | 7/8.5              | 7/8.5             | 8/10               |
| Pipe Diameter     | Liquid Side                | mm(inch) | 6.35(1/4)          | 6.35(1/4)         | 6.35(1/4)          |
|                   | Gas Side                   | mm(inch) | 9.52(3/8)          | 9.52(3/8)         | 9.52(3/8)          |
|                   | Drainage                   | mm       | 16.9               | 16.9              | 16.9               |
| Stuffing Quantity | 20/40/40H                  | unit     | 444/914/1024       | 444/914/1024      | 366/743/859        |

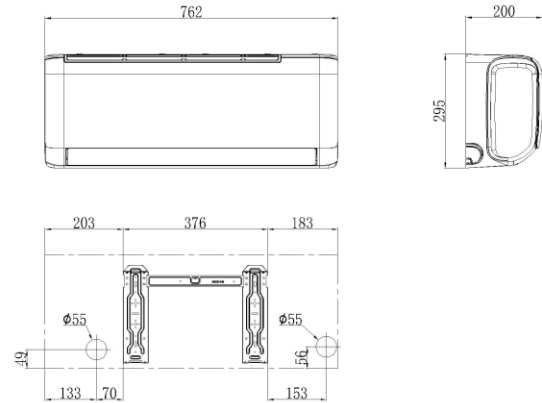
| Model             | Indoor                     |          | AMWM-H18/4R3A(Q*) | AMWM-H24/4R3A(Q*) |
|-------------------|----------------------------|----------|-------------------|-------------------|
| Capacity          | Cooling                    | Btu/h    | 18015(8530-19790) | 23542(9895-24908) |
|                   |                            | kW       | 5.28(2.50-5.80)   | 6.90(2.90-7.30)   |
|                   | Heating                    | Btu/h    | 18085(7680-19790) | 24054(7165-27296) |
|                   |                            | kW       | 5.37(2.25-5.80)   | 7.05(2.10-8.00)   |
| Electric Data     | Power Supply               | V~,Hz,Ph | 220 ~ 240,50,1    | 220 ~ 240,50,1    |
|                   | Cooling Power Input        | W        | 58(16 ~ 88)       | 63(16-88)         |
|                   | Heating Power Input        | W        | 58(16 ~ 88)       | 63(16-88)         |
| Performance       | Air Flow Volume            | m³/h     | 950               | 1300              |
|                   | Sound Pressure Noise Level | dB(A)    | 46/42/37          | 48/45/40          |
|                   | Sound Power Noise Level    | dB(A)    | 58                | 63                |
| Dimension         | Net Dimension (W*D*H)      | mm       | 960×316×222       | 1089×328×227      |
|                   | Packing Dimension (W*D*H)  | mm       | 1020×377×307      | 1155×397×312      |
| Weight            | Net/Gross                  | kg       | 11/13             | 12.5/15           |
| Pipe Diameter     | Liquid Side                | mm(inch) | 6.35(1/4)         | 6.35(1/4)         |
|                   | Gas Side                   | mm(inch) | 12.7(1/2)         | 15.88(5/8)        |
|                   | Drainage                   | mm       | 16.9              | 16.9              |
| Stuffing Quantity | 20/40/40H                  | unit     | 272/558/619       | 224/457/512       |

Dimension

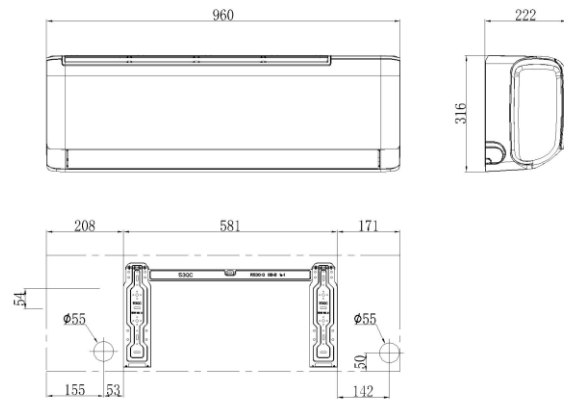
AMWM-H07/4R3B AMWM-H09/4R3B



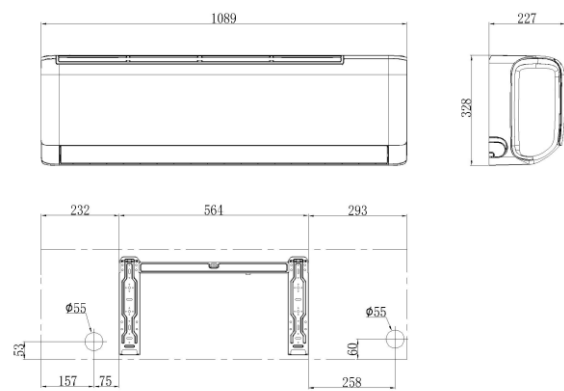
AMWM-H12/4R3A



AMWM-H18/4R3A



AMWM-H24/4R3A





# F SERIES

## Free-match



- ① hidden cable design
- ② Japanese style with visual thickness of 145 mm



## Feature

### ► 4D AIR FLOW

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



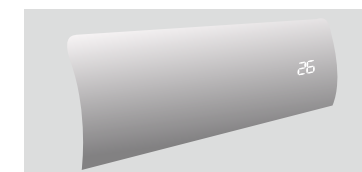
### ► SELF-CLEANING

Prevents the breeding of bacteria



### ► AESTHETIC

Graceful alivry flanging



### ► TEXTURE

ABS high light panel,LED eye-protection screen





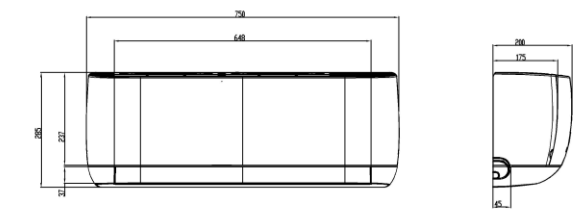
Specification

| Model             | Indoor                     |          | AMWM-H07/4R3A(F*) | AMWM-H09/4R3B(F*) | AMWM-H12/4R3A(F*) |
|-------------------|----------------------------|----------|-------------------|-------------------|-------------------|
| Capacity          | Cooling                    | Btu/h    | 7165(3855-9220)   | 9000(4780-11260)  | 12285(5800-12625) |
|                   |                            | kW       | 2.05(1.13-2.70)   | 2.60(1.40-3.30)   | 3.50(1.70-3.70)   |
|                   | Heating                    | Btu/h    | 7510(3340-8530)   | 10000(4095-10240) | 12625(5120-12625) |
|                   |                            | kW       | 2.15(0.98-2.50)   | 2.93(1.2-3.00)    | 3.50(1.50-3.70)   |
| Electric Data     | Power Supply               | V~,Hz,Ph | 220 ~ 240,50,1    | 220 ~ 240,50,1    | 220 ~ 240,50,1    |
|                   | Cooling Power Input        | W        | 40(12 ~ 68)       | 20                | 40(12 ~ 68)       |
|                   | Heating Power Input        | W        | 40(12 ~ 68)       | 20                | 40(12 ~ 68)       |
| Performance       | Air Flow Volume            | m³/h     | 600               | 550               | 600               |
|                   | Sound Pressure Noise Level | dB(A)    | 40/36/32          | 40                | 41/36/33          |
|                   | Sound Power Noise Level    | dB(A)    | 51                | 53                | 52                |
| Dimension         | Net (W*D*H)                | mm       | 750×285×200       | 690×283×199       | 750×285×200       |
|                   | Packing (W*D*H)            | mm       | 820×347×277       | 760×347×277       | 820×347×277       |
| Weight            | Net/Gross                  | kg       | 8/10              | 7/9               | 8/10              |
| Pipe Diameter     | Liquid Side                | mm(inch) | 6.35(1/4)         | 6.35(1/4)         | 6.35(1/4)         |
|                   | Gas Side                   | mm(inch) | 9.52(3/8)         | 9.52(3/8)         | 9.52(3/8)         |
|                   | Drainage                   | mm       | 16.5              | 16.5              | 16.5              |
| Stuffing Quantity | 20/40/40H                  | unit     | 400/814/912       | 442/879/981       | 400/814/912       |

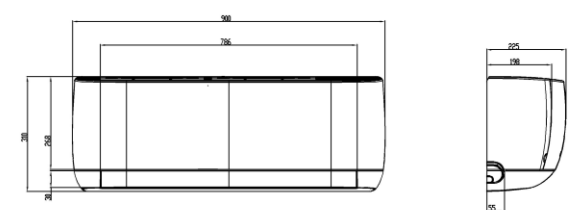
|                   | Indoor                     |          | AMWM-H18/4R3A(F*) | AMWM-H24/4R3A(F*) |
|-------------------|----------------------------|----------|-------------------|-------------------|
| Capacity          | Cooling                    | Btu/h    | 17747(8530-19790) | 23542(9895-24908) |
|                   |                            | kW       | 5.27(2.50-5.80)   | 6.90(2.90-7.30)   |
|                   | Heating                    | Btu/h    | 18085(7680-19790) | 24054(7165-27296) |
|                   |                            | kW       | 5.37(2.25-5.80)   | 7.05(2.10-8.00)   |
| Electric Data     | Power Supply               | V~,Hz,Ph | 220 ~ 240,50,1    | 220 ~ 240,50,1    |
|                   | Cooling Power Input        | W        | 63(16 ~ 88)       | 63(16-88)         |
|                   | Heating Power Input        | W        | 63(16 ~ 88)       | 63(16-88)         |
| Performance       | Air Flow Volume            | m³/h     | 850               | 1300              |
|                   | Sound Pressure Noise Level | dB(A)    | 44/41/35          | 46/42/37          |
|                   | Sound Power Noise Level    | dB(A)    | 57                | 60                |
| Dimension         | Net (W*D*H)                | mm       | 900×310×225       | 1082*330*233      |
|                   | Packing (W*D*H)            | mm       | 970×382×302       | 1135*390*302      |
| Weight            | Net/Gross                  | kg       | 11/13             | 15/16.5           |
| Pipe Diameter     | Liquid Side                | mm(inch) | 6.35(1/4)         | 6.35(1/4)         |
|                   | Gas Side                   | mm(inch) | 12.7(1/2)         | 15.88(5/8)        |
|                   | Drainage                   | mm       | 16.5              | 16.5              |
| Stuffing Quantity | 20/40/40H                  | unit     | 280/578/652       | 224/457/512       |

Dimension

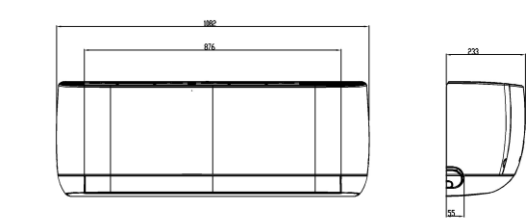
AMWM-H07/4R3A、AMWM-H12/4R3A  
AMWM-H09/4R3B(F\*)、



AMWM-H18/4R3A



AMWM-H24/4R3A





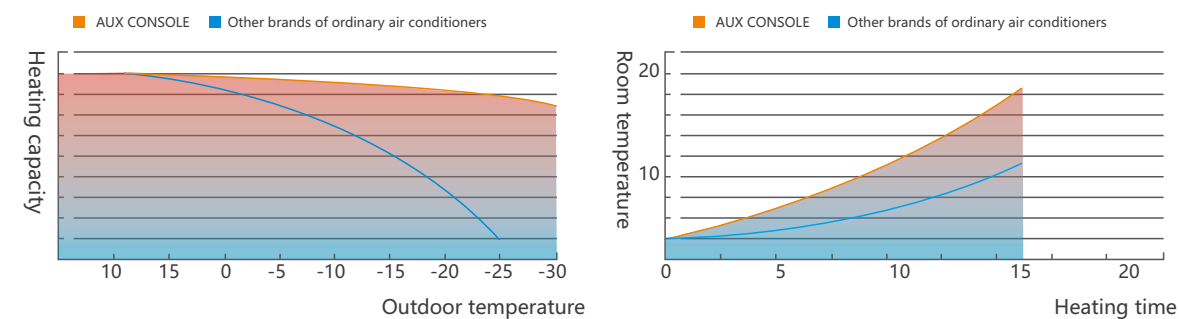
# CONSOLE

Free-match & Light Commercial

## Feature

### ► Super heating capacity

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



### ► Free choice of bottom air outlet and top air outlet

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



### ► Wide operating range

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





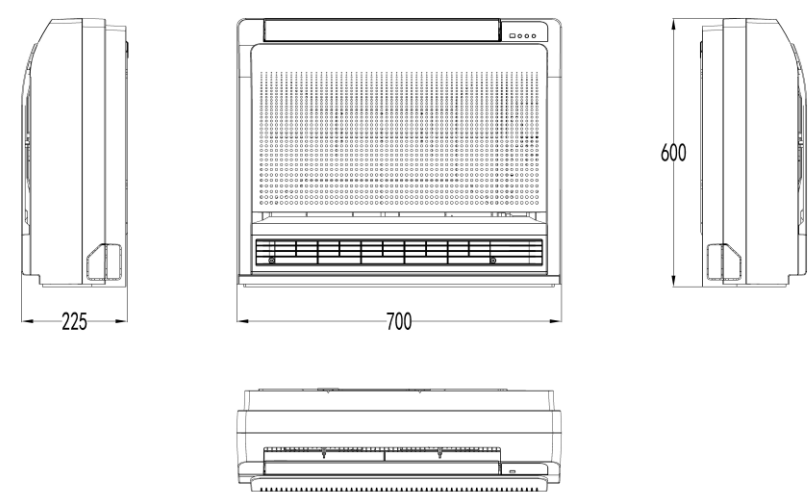
Specification-Free Match

| Model         | Indoor                     |          | AMCO-H09/4R3B    | AMCO-H12/4R3B     | AMCO-H16/4R3B     |
|---------------|----------------------------|----------|------------------|-------------------|-------------------|
| Capacity      | Cooling                    | Btu/h    | 8872(5120-12115) | 12285(5800-12625) | 16036(8530-16378) |
|               |                            | kW       | 2.60(1.50-3.55)  | 3.50(1.70-3.70)   | 4.70(2.50-4.80)   |
|               | Heating                    | Btu/h    | 9560(5120-12115) | 12625(5120-12625) | 17060(8530-19107) |
|               |                            | kW       | 2.80(1.50-3.55)  | 3.50(1.50-3.70)   | 5.0(2.50-5.6)     |
| Electric Data | Power Supply               | V~,Hz,Ph | 220-240,50,1     | 220-240,50,1      | 220-240,50,1      |
|               | Cooling Power Input        | W        | 40(20-65)        | 40(20-65)         | 55(20-80)         |
|               | Heating Power Input        | W        | 40(20-65)        | 40(20-65)         | 55(20-80)         |
| Performance   | Air Volume                 | m3/h     | 600/530/430      | 600/530/430       | 650/550/450       |
|               | Sound Pressure Noise Level | dB(A)    | 42/39/36         | 42/39/36          | 44/40/37          |
|               | Sound Power Noise Level    | dB(A)    | 52               | 52                | 54                |
| Dimension     | Net Dim (W*D*H)            | mm       | 700×225×600      | 700×225×600       | 700×225×600       |
|               | Packing Dim(W*D*H)         | mm       | 780×300×675      | 780×300×675       | 780×300×675       |
| Weight        | Net/Gross                  | kg       | 15/19            | 15/19             | 15/19             |
| Pipe Dia      | Liquid Side                | mm(inch) | 6.35(1/4)        | 6.35(1/4)         | 6.35(1/4)         |
|               | Gas Side                   | mm(inch) | 9.52(3/8)        | 9.52(3/8)         | 9.52(3/8)         |
|               | Drainage                   | mm       | 20               | 20                | 20                |
| Loading Qty   | 20/40/40H                  | unit     | 198/411/462      | 198/411/462       | 198/411/462       |

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

Dimension

AMCO-HO9/4R3B、AMCO-H12/4R3B、AMCO-H16/4R3B



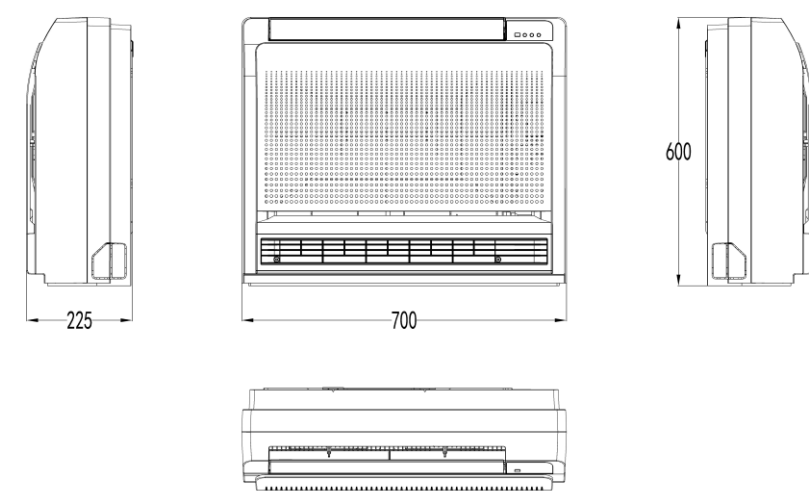
Specification-Light Commercial

| Sale Model              | Indoor                    |          | ALCO-H12/4R3A      | ALCO-H18/4R3A      |
|-------------------------|---------------------------|----------|--------------------|--------------------|
|                         | Outdoor                   |          | AL-H12/NDR3HB2(U)  | AL-H18/NDR3HB2(U)  |
| IDU Power Supply        |                           | V~,Hz,Ph | 220-240/50&60/1    | 220-240/50&60/1    |
| Capacity                | Cooling                   | Btu/h    | 12000(4600-15000)  | 16036(5200-19100)  |
|                         |                           | KW       | 3.50(1.35-4.40)    | 4.70(1.53-5.60)    |
|                         | Heating                   | Btu/h    | 12000 (4200-18100) | 17060(4800-21200)  |
|                         |                           | KW       | 3.50(1.24-5.30)    | 5.00(1.40-6.20)    |
| Electric Data           | Rated Cooling Power Input | KW       | 1.03(0.26 ~ 1.60)  | 1.45(0.47 ~ 2.30)  |
|                         | Rated Heating Power Input | KW       | 0.94(0.19 ~ 1.51)  | 1.34(0.46 ~ 2.25)  |
|                         | Rated Cooling Current     | A        | 4.48(1.13 ~ 6.96)  | 6.30(2.04 ~ 10.00) |
|                         | Rated Heating Current     | A        | 4.09(0.83 ~ 6.57)  | 5.83(2.00 ~ 9.78)  |
| Performance             | EER/COP                   | W/W      | 3.40/3.72          | 3.24/3.73          |
|                         | SEER/SCOP                 | W/W      | 6.1/4.0            | 6.1/4.0            |
| Indoor Unit             | Air Flow Volume           | m3/h     | 600/530/430        | 650/550/450        |
|                         |                           | CFM      | 353/312/253        | 382/324/265        |
|                         | Sound Pressure Noise      | dB(A)    | 42/39/36           | 44/40/37           |
|                         | Sound Power Noise Level   | dB(A)    | 52                 | 56                 |
|                         | Net Dimension (W*D*H)     | mm       | 700×225×600        | 700×225×600        |
|                         | Packing Dimension (W*D*H) | mm       | 780×300×675        | 780×300×675        |
|                         | Net/Gross Weight          | Kg       | 15/19              | 15/19              |
|                         | Liquid Side               | mm       | 6.35(1/4)          | 6.35(1/4)          |
| Refrigerant Pipe        | Gas Side                  | mm       | 12.7(1/2)          | 12.7(1/2)          |
|                         | Drainage                  | mm       | R3/4in(DN20)       | R3/4in(DN20)       |
| Wired/Remote Controller |                           |          | YKR-L/300-HYE      | YKR-L/300-HYE      |
| St μ Ffing Quantity     | 20/40/40H                 | Set      | 90/188/205         | 75/154/189         |

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

Dimension

ALCO-H12/4R3A ALCO-H18/4R3A





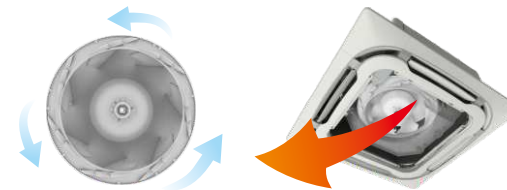
# CASSETTE Y

Free-match & Light Commercial

## Feature (09K, 12K, 18K)

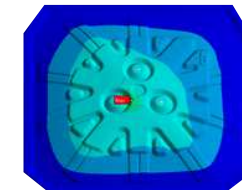
### ► Large air volume design

Air guide ring structure design is optimized through finite element analysis which increases the insertion depth to ensure large air volume and improve cooling/heating comfort.



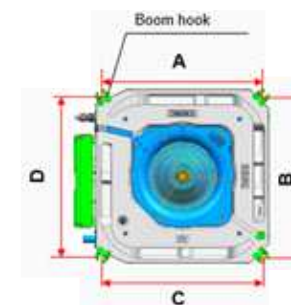
### ► New chassis

The new chassis structure, through finite element simulation analysis, is designed without resonant frequency points, ensuring no abnormal noise in the chassis.



### ► Equal spacing design of mounting holes

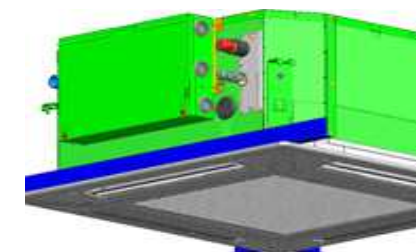
The mounting hooks are designed with equal spacing, making positioning simple and operation easy, thus saving installation time.



| Boom hook space (mm) |     |   |   |   |
|----------------------|-----|---|---|---|
| Brand Y              | A   | B | C | D |
| model                | 532 |   |   |   |

### ► Outdoor junction box

The junction box is placed outside the shell. When installing the wiring, only 2 screws need to be removed to remove the electric control box cover, then you can complete the wiring and maintenance.



### ► Easy to maintain

The outdoor electric control box and optimized structure design eliminates the need to remove the entire panel and the electric control box, allowing for the replacement of new fans and motors after the grille and air guide bars are removed.

| Steps       | 1.Panel & grill                                                                       | 2.Control box | 3.Air guide ring                                                                      | 4. Fan wheel                                                                          | 5. Fan motor                                                                          |
|-------------|---------------------------------------------------------------------------------------|---------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| New Y model |  | No need       |  |  |  |
|             | Remove grill                                                                          |               |                                                                                       |                                                                                       |                                                                                       |

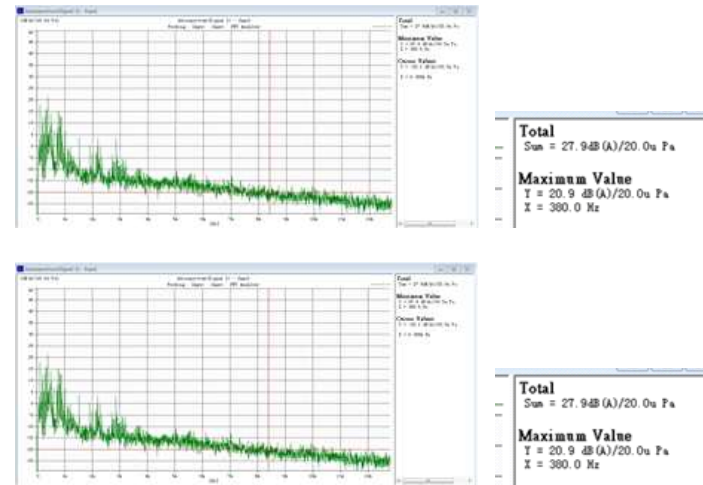
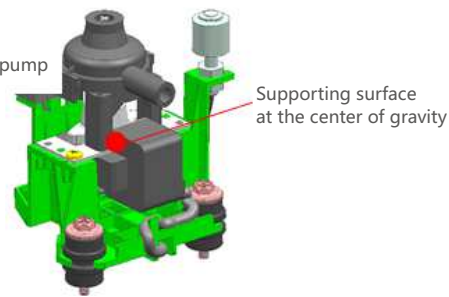


## Feature (24K)

### ► New pump assembly design

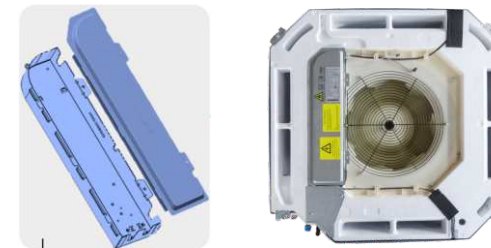
The optimized drainage pump assembly design and optimized pump support surface at the center of gravity ensures minimal noise during pump operation.

Y model water pump



### ► Fireproof electric control box

Electrical control integrated design, with electric control box is fully enclosed by metal plate, is adopted for better fireproof



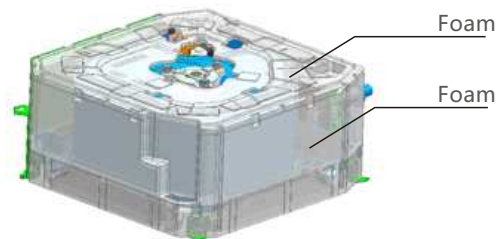
### ► Optional display panel

The display panel can clearly show the operating status, which is more conducive to troubleshooting. The standard screen is in color and the white screen is optional.



### ► All foam structure

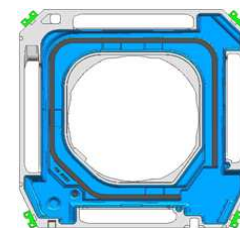
The all foam packaging structure ensures that the body is reliably insulated and effectively prevents condensation.



### ► Large water pan design

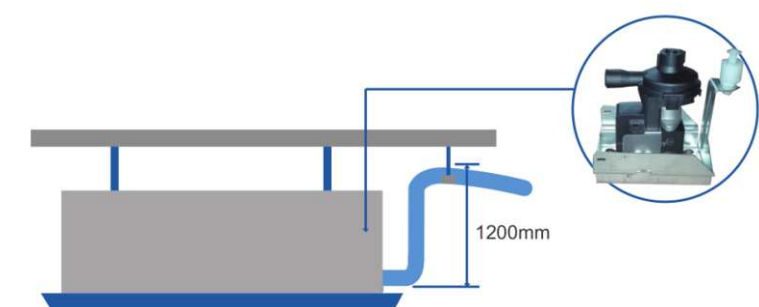
76 mm height of drain pan and 3.2 L volume of water storage, with industry-leading leak-proof function. The air outlet is covered with heat insulation cotton to effectively prevent condensation.

| New Y model          |     |
|----------------------|-----|
| drainage pan H (mm)  | 76  |
| water storage K (mm) | 35  |
| Water volume(L)      | 3.2 |



### ► Built-in drainage pump

The built-in high-head drainage pump can send condensation water to 1200 mm height



### ► Optional panel

① Four sides of air-out: 3 kinds of panels are optional



② Eight sides of air-out: 4 kinds of panels are optional



### ► Universal panel

The four-sided air outlet panel and the eight-sided air outlet panel of the ceiling machine Y can be shared with the ceiling machine E.

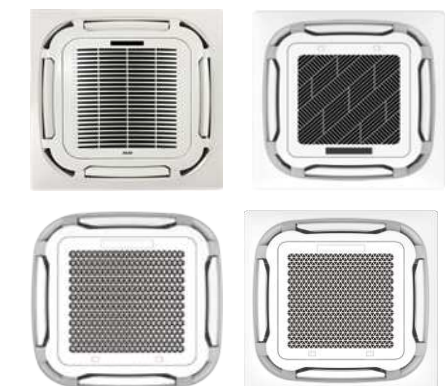
### ► Fresh air port design

The shell has a fresh air port on the side, with the maximum fresh air volume up to 10% of the air supply volume, which is more comfortable and healthy.



### ► Optional panels

Four types of panels are available to meet the needs of different customers.





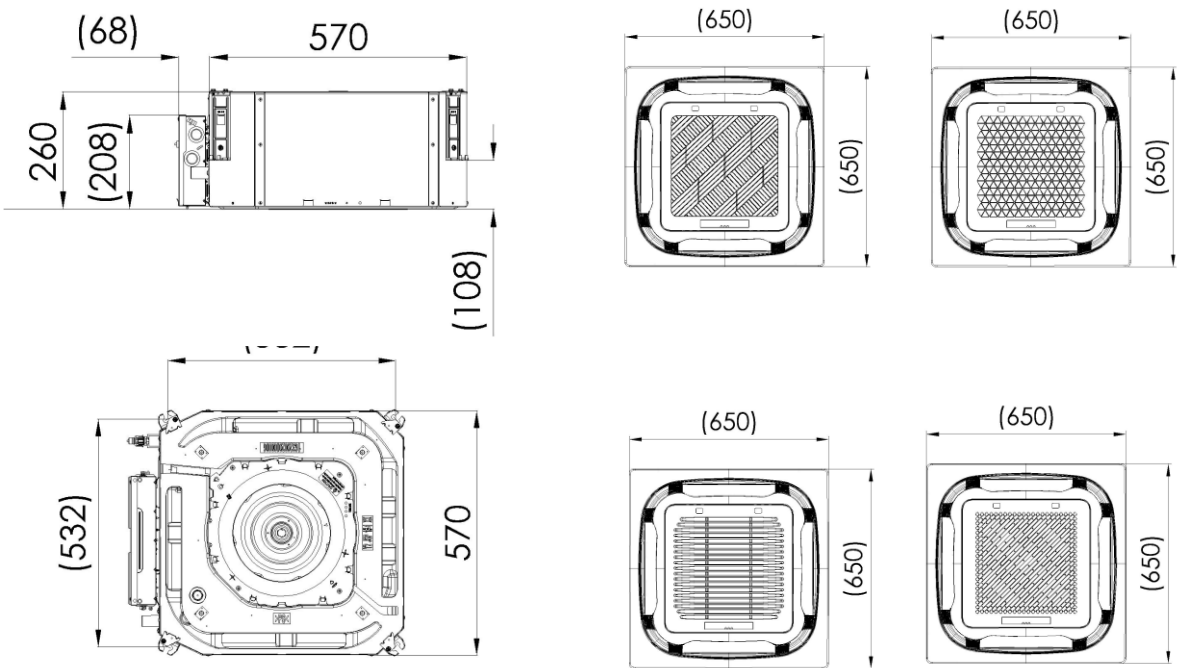
Specification

| Model         | Indoor               |          | AMCA-H09/4R3YAA   | AMCA-H12/4R3YAA   |
|---------------|----------------------|----------|-------------------|-------------------|
| Capacity      | Cooling              | Btu/h    | 9560(5120~12115)  | 12010(5800~12625) |
|               |                      | kW       | 2.80(1.50~3.55)   | 3.52(1.70~3.70)   |
|               | Heating              | Btu/h    | 10240(5460~13000) | 13000(6930~15080) |
|               |                      | kW       | 3.00(1.60~3.81)   | 3.81(2.03~4.42)   |
| Electric Data | Power Supply         | V~,Hz,Ph | 220~240,50,1      | 220~240,50,1      |
|               | Cooling Power Input  | W        | 40(12 ~ 68)       | 40(12 ~ 68)       |
|               | Heating Power Input  | W        | 40(12 ~ 68)       | 40(12 ~ 68)       |
| Performance   | Air Flow Volume      | m3/h     | 700/620/530       | 700/620/530       |
|               | Sound Pressure Level | dB(A)    | 42/36/32          | 42/36/32          |
|               | Sound Power Level    | dB(A)    | 52                | 52                |
| Dimension     | Net Dim (W*D*H)      | mm       | 570×570×260       | 570×570×260       |
|               | Packing Dim (W*D*H)  | mm       | 720×650×290       | 720×650×290       |
|               | Net(Panel)           | mm       | 650×650×55        | 650×650×55        |
|               | Packing(Panel)       | mm       | 710×710×80        | 710×710×80        |
| Weight        | Net/Gross(Body)      | kg       | 14.5/17           | 14.5/17           |
|               | Net/Gross(Panel)     | kg       | 2.2/3.7           | 2.2/3.7           |
| Pipe Dia      | Liquid Side          | mm(inch) | 6.35(1/4)         | 6.35(1/4)         |
|               | Gas Side             | mm(inch) | 12.7(1/2)         | 12.7(1/2)         |
|               | Drainage             | mm       | 20                | 20                |
| Loading Qty   | 20/40/40H            | unit     | 235/470/537       | 235/470/537       |

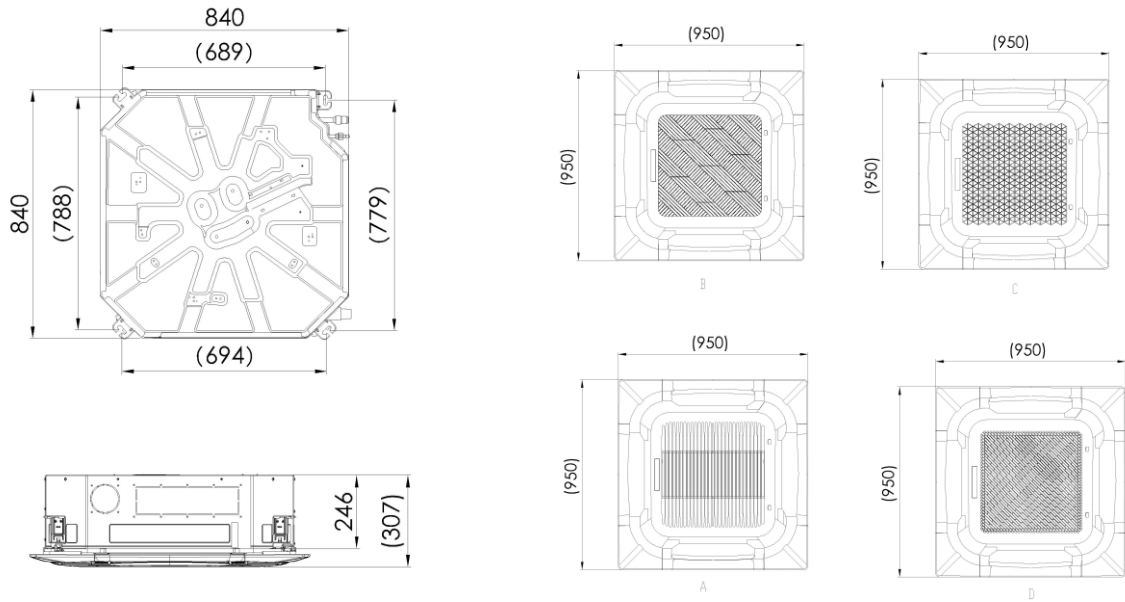
| Model         | Indoor               |          | AMCA-H18/4R3YAA    | AMCA-H24/4R3B     |
|---------------|----------------------|----------|--------------------|-------------------|
| Capacity      | Cooling              | Btu/h    | 18015(8530~19107)  | 24000(7400~28000) |
|               |                      | kW       | 5.28(2.50~5.6)     | 7.00(2.16~8.20)   |
|               | Heating              | Btu/h    | 19107(10340~24000) | 27300(6800~31700) |
|               |                      | kW       | 5.60(3.03~7.03)    | 8.00(1.98~9.30)   |
| Electric Data | Power Supply         | V~,Hz,Ph | 220~240,50,1       | 220~240,50,1      |
|               | Cooling Power Input  | W        | 40(12 ~ 68)        | 110(27.5~171)     |
|               | Heating Power Input  | W        | 40(12 ~ 68)        | 110(27.5~171)     |
| Performance   | Air Flow Volume      | m3/h     | 760/650/580        | 1400/1350/1150    |
|               | Sound Pressure Level | dB(A)    | 45/40/38           | 47/45/42          |
|               | Sound Power Level    | dB(A)    | 56                 | 57                |
| Dimension     | Net Dim (W*D*H)      | mm       | 570×570×260        | 840×840×246       |
|               | Packing Dim (W*D*H)  | mm       | 720×650×290        | 910×910×310       |
|               | Net(Panel)           | mm       | 650×650×55         | 950×950×55        |
|               | Packing(Panel)       | mm       | 710×710×80         | 1000×1000×100     |
| Weight        | Net/Gross(Body)      | kg       | 15/17.5            | 26/30             |
|               | Net/Gross(Panel)     | kg       | 2.2/3.7            | 5.3/7.8           |
| Pipe Dia      | Liquid Side          | mm(inch) | 6.35(1/4)          | 6.35(1/4)         |
|               | Gas Side             | mm(inch) | 12.7(1/2)          | 15.88(5/8)        |
|               | Drainage             | mm       | 20                 | 20                |
| Loading Qty   | 20/40/40H            | unit     | 235/470/537        | 36/76/86          |

Dimension

AMCA-H09/4R3YAA、AMCA-H12/4R3YAA、AMCA-H18/4R3YAA



AMCA-H24/4R3B





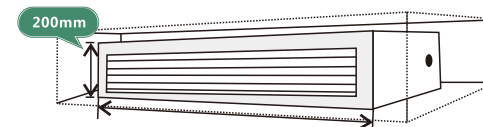
# SLIM DUCT

Free-match & Light Commercial

## Feature

### ► Ultra-thin design

The overall thickness is only 200 mm, which has a small impact on the floor height and saves installation space.



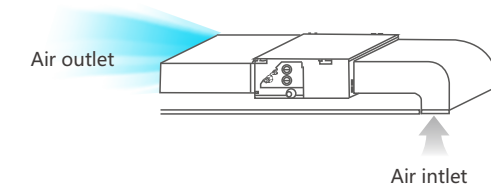
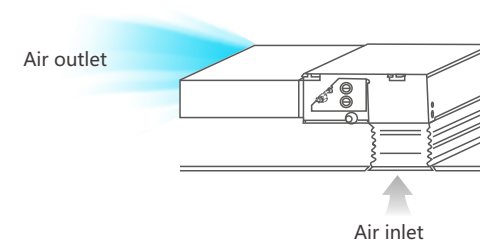
### ► Optional built-in water pump

According to the installation situation, the user can choose whether to build in the water pump or not. The built-in water pump is a high head pump, which can send the water to a height of 1200 mm.



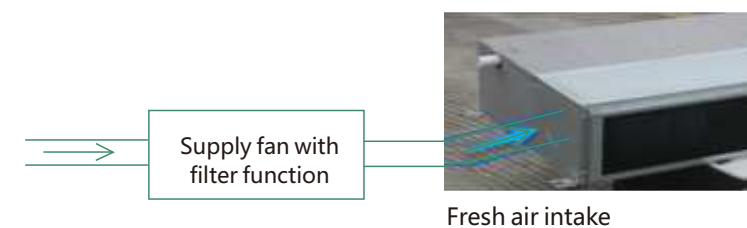
### ► Flexible installation

Tail air inlet or bottom air inlet can be chosen flexibly according to building type or user habits. Tail air inlet is equipped as standard, while bottom air inlet is optional.



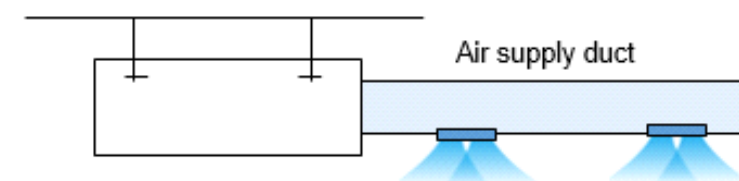
### ► Fresh air port design

The shell has a fresh air port on the side, with the maximum fresh air volume up to 10% of the air supply volume, which is more comfortable and healthy.



### ► Flexible air supply

Long distance air supply design, with a maximum distance of 6 m, can be applied to a variety of applications.





Specification

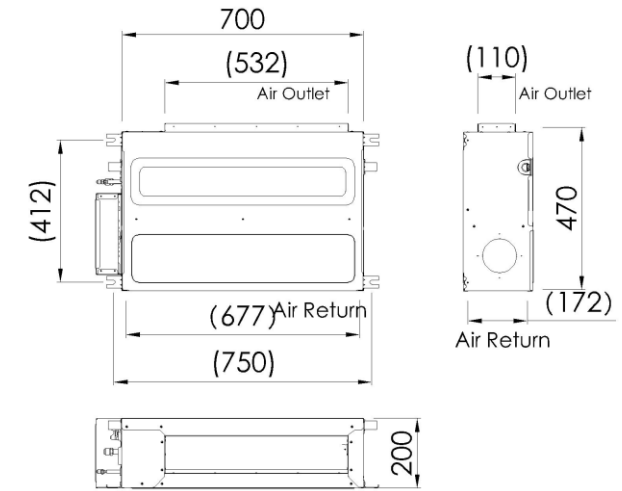
| Model         | Indoor                     |          | AMSD-H07/4R3AA   | AMSD-H09/4R3AA   | AMSD-H12/4R3AA    |
|---------------|----------------------------|----------|------------------|------------------|-------------------|
| Capacity      | Cooling                    | Btu/h    | 7506(3855-9220)  | 8872(5120-12115) | 12280(5835-13135) |
|               |                            | kW       | 2.20(1.13-2.70)  | 2.60(1.50-3.55)  | 3.60(1.71-3.85)   |
|               | Heating                    | Btu/h    | 8530(4575-10820) | 9895(5800-12450) | 13650(6480-13375) |
|               |                            | kW       | 2.50(1.34-3.17)  | 2.90(1.70-3.65)  | 4.00(1.90-3.92)   |
| Electric Data | Power Supply               | V~,Hz,Ph | 220-240,50,1     | 220-240,50,1     | 220-240,50,1      |
|               | Cooling Power Input        | W        | 55               | 55               | 55                |
|               | Heating Power Input        | W        | 55               | 55               | 55                |
| Performance   | Air Volume                 | m3/h     | 600/450/380      | 600/450/380      | 680/560/450       |
|               | Sound Pressure Noise Level | dB(A)    | 37/33/30         | 37/33/30         | 38/34/31          |
|               | Sound Power Noise Level    | dB(A)    | 53               | 53               | 53                |
|               | ESP                        | Pa       | 10/30            | 10/30            | 10/30             |
| Dimension     | Net Dim (W*D*H)            | mm       | 700×470×200      | 700×470×200      | 700×470×200       |
|               | Packing Dim(W*D*H)         | mm       | 1005×580×275     | 1005×580×275     | 1005×580×275      |
| Weight        | Net/Gross                  | kg       | 18.5/22          | 18.5/22          | 18.5/22           |
| Pipe Dia      | Liquid Side                | mm(inch) | 6.35(1/4)        | 6.35(1/4)        | 6.35(1/4)         |
|               | Gas Side                   | mm(inch) | 9.52(3/8)        | 9.52(3/8)        | 9.52(3/8)         |
|               | Drainage                   | mm       | 16.5             | 16.5             | 16.5              |
| Loading Qty   | 20/40/40H                  | unit     | 176/368/414      | 176/368/414      | 176/368/414       |

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

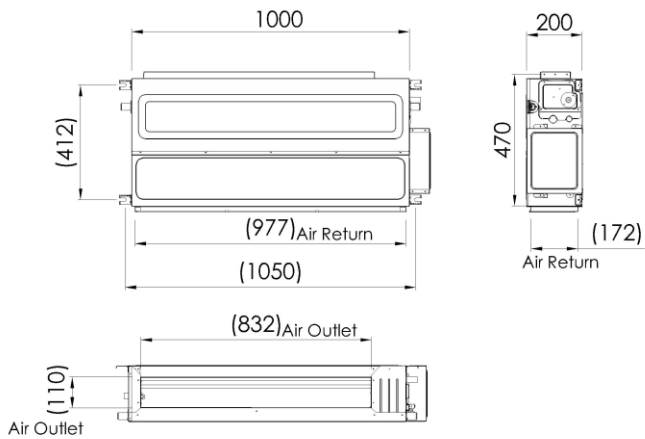
Remark:The above designs and specifications are subject to change of product improvement without prior notice.

Dimension

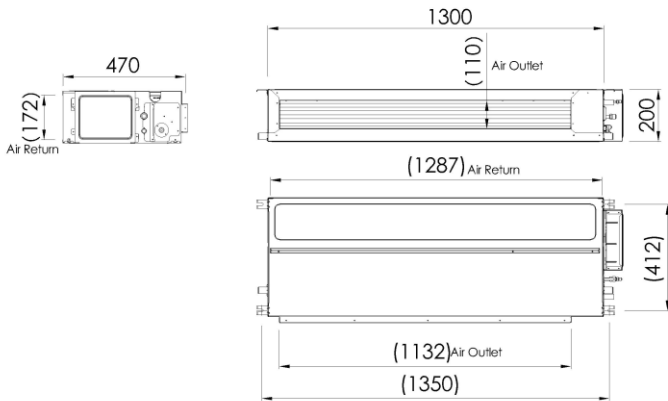
AMSD-H07/4R3AA AMSD-H09/4R3AA  
AMSD-H12/4R3AA



AMSD-H18/4R3A



AMSD-H24/4R3AA







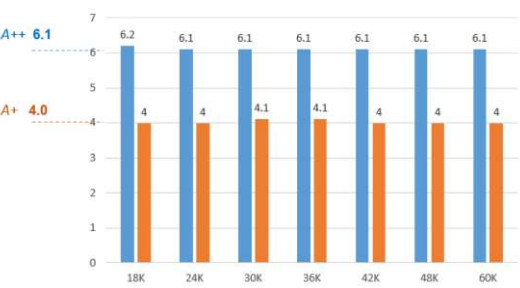
# SLIM DUCT M

## Light Commercial

### Feature

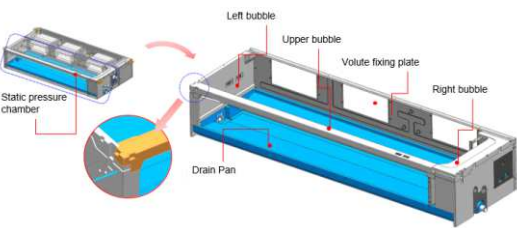
#### ► High energy efficiency

SEER is higher than A++ (6.1), and SCOP is higher than A+ (4.0), all in line with the new European energy efficiency standards.



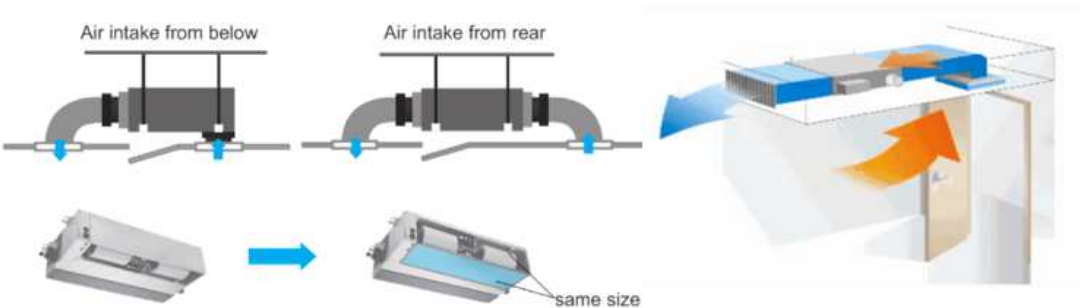
#### ► Closed design of static pressure chamber

①reduce air leakage under high static pressure (same as Japanese and Korean brands).



#### ► Flexible choice of air inlet

Dual inlet design, with tail air inlet and bottom air inlet, which is suitable for different installation needs.



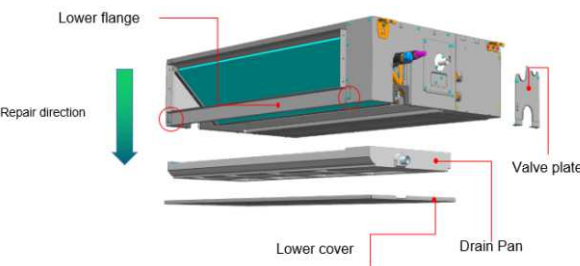
#### ► Fresh air hole design

Fresh air holes are reserved for connection to new air ducts, and the maximum fresh air volume can reach 10% of the air inlet volume.



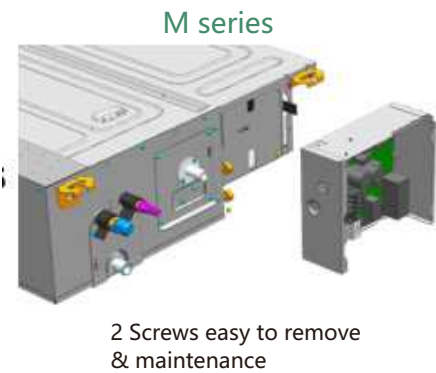
#### ► Independent flange

Simple structure ensures that the complete machine can be maintained and cleaned without damaging the installed air ducts.

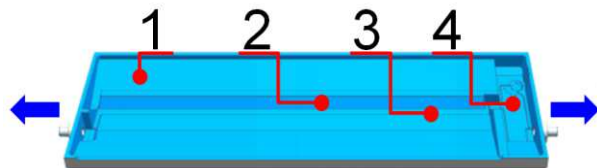




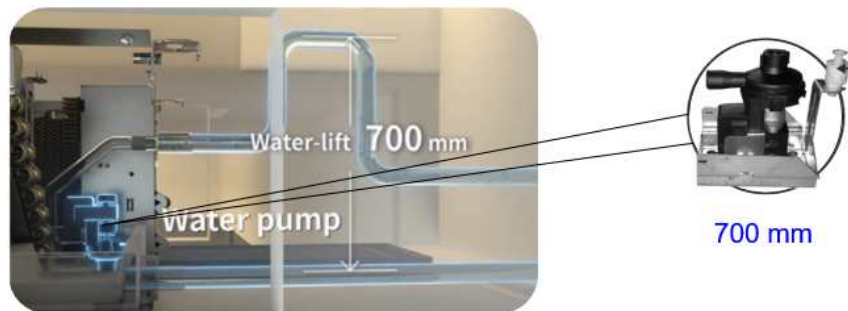
- Removable electric control box  
Easy to repair and replace.



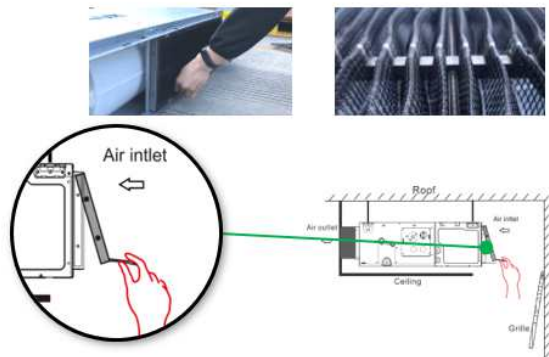
- Wide operating range  
Whether it is hot summer with a temperature smoothly, making you feel like spring all the yea



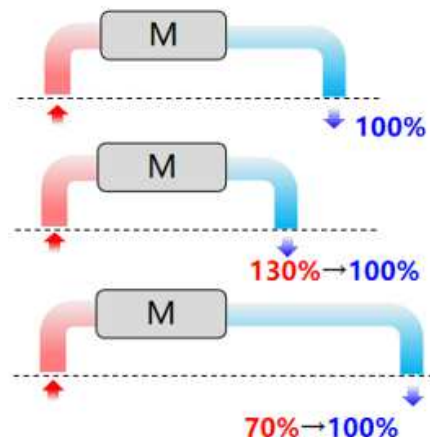
- Optional drainage pump  
Optional drainage pump, with a delivery head of up to 700 mm, is flexible for installation.



- Easily removable filter structure  
Filter disassembly and installation is designed with snaps, no need to remove screws to complete the disassembly, cleaning and replacement of filter.



- Constant air flow design  
Under different ESP, the unit can provide constant air flow for better comfort.



# Specification

| Model                                        | Indoor                     |          | ALMD-H12/NDR3HM2A      | ALMD-H18/NDR3HM2A      | ALMD-H24NDR3HM2              |
|----------------------------------------------|----------------------------|----------|------------------------|------------------------|------------------------------|
|                                              | Outdoor                    |          | AL-H12/NDR3HB2(U)      | AL-H18/NDR3HB2(U)      | AL-H24/NDR3HB2(U)            |
| IDU Power Supply                             |                            | V~,Hz,Ph | 220-240/50&60/1        | 220-240/50&60/1        | 220-240/50&60/1              |
| Capacity                                     | Cooling                    | Btu/h    | 12000(4600-15000)      | 18000(5200-19100)      | 24000(7400-28000)            |
|                                              |                            | KW       | 3.52(1.35-4.40)        | 5.28 ( 1.53-5.60 )     | 7.03(2.16-8.20)              |
|                                              | Heating                    | Btu/h    | 13000 (4200-18100)     | 19100(4800-21200)      | 27000(6800-31700)            |
|                                              |                            | KW       | 3.81(1.24-5.30)        | 5.60 ( 1.40-6.20 )     | 7.91(1.98-9.30)              |
| Electric Data                                | Rated Cooling Power Input  | kW       | 1.03(0.26 ~ 1.60)      | 1.55 ( 0.47-2.30 )     | 2.17(0.67-3.30)              |
|                                              | Rated Heating Power Input  | kW       | 1.02(0.19 ~ 1.51)      | 1.49 ( 0.46-2.25 )     | 2.13(0.65-3.30)              |
|                                              | Rated Cooling Current      | A        | 4.48(1.13 ~ 6.96)      | 6.73 ( 2.04-10.00 )    | 9.43 ( 2.91-14.35 )          |
|                                              | Rated Heating Current      | A        | 4.43(0.83 ~ 6.57)      | 6.48 ( 2.00-9.78 )     | 9.26 ( 2.83-14.35 )          |
| Performance                                  | EER/COP                    | W/W      | 3.41/3.73              | 3.40/3.76              | 3.24/3.71                    |
|                                              | SEER/SCOP                  | W/W      | 6.1/4.0                | 6.1/4.0                | 6.1/4.0                      |
|                                              | Air Flow Volume            | m3/h     | 720/600/500            | 900/750/630            | 1400/1190/980                |
|                                              | Sound Pressure Noise Level | dB(A)    | 37/34/32               | 44/41/37               | 43/41/39                     |
| Indoor Unit                                  | Sound Power Noise Level    | dB(A)    | /                      | 54                     | 55                           |
|                                              | Net Dimension (W*H*D)      | mm       | 700x700x245            | 700x700x245            | 1000x700x245                 |
|                                              | Packing Dimension (W*H*D)  | mm       | 930x830x300            | 930x830x300            | 1230x830x300                 |
|                                              | Net/Gross Weight           | Kg       | 21/25                  | 22/26                  | 32/38                        |
|                                              | ESP                        | Pa       | 25(0-160)              | 25(0-160)              | 25(0-160)                    |
| Refrigerant Pipe                             | Liquid Side                | mm       | 6.35(1/4)              | 6.35(1/4)              | 9.52(3/8)                    |
|                                              | Gas Side                   | mm       | 12.7(1/2)              | 12.7(1/2)              | 15.88(5/8)                   |
|                                              | Drainage                   | mm       | R3/4in(DN25)           | R3/4in(DN25)           | R3/4in(DN20)                 |
| Wired/Remote Controller                      |                            |          | XK05-DY(AUX)485-E2(SY) | XK05-DY(AUX)485-E2(SY) | XK05-DY(AUX)120(485)-E2(SY ) |
| Qty’ per 20’ & 40’ &40HQ(Only For Reference) |                            | Set      | 61/137/159             | 61/137/159             | 42/89/99                     |

| Model                                         | Indoor                     |          | ALMD-H30/NDR3HM2             | ALMD-H36/NDR3HA              | ALMD-H42/NDR3HA              |
|-----------------------------------------------|----------------------------|----------|------------------------------|------------------------------|------------------------------|
|                                               | Outdoor                    |          | AL-H30/NDR3HB2(U)            | AL-H36/NDR3A(U)              | AL-H42/NDR3A(U)              |
| IDU Power Supply                              |                            | V~,Hz,Ph | 220-240/50&60/1              | 220-240/50&60/1              | 220-240/50&60/1              |
| Capacity                                      | Cooling                    | Btu/h    | 29500 ( 8490-31390 )         | 36000 ( 9800-44300 )         | 42000(9800-46000)            |
|                                               |                            | KW       | 8.65 ( 2.49-9.20 )           | 10.55 ( 2.9-13 )             | 12.1(2.9-13.5)               |
|                                               | Heating                    | Btu/h    | 31390(9760-32760)            | 38000 ( 8800-46000 )         | 46000 ( 8800-51100 )         |
|                                               |                            | KW       | 9.20 ( 2.86-9.60 )           | 11.15 ( 2.6-13.5 )           | 13.5 ( 2.6-15 )              |
| Electric Data                                 | Rated Cooling Power Input  | kW       | 2.55 ( 0.71-3.30 )           | 3.4 ( 0.71-4.71 )            | 4.43 ( 0.71-5.1 )            |
|                                               | Rated Heating Power Input  | kW       | 2.40 ( 0.67-3.30 )           | 3.45 ( 0.47-4.13 )           | 4.6 ( 0.47-5.29 )            |
|                                               | Rated Cooling Current      | A        | 11.09 ( 3.09-14.35 )         | 15 ( 3.2-21.5 )              | 19 ( 3.2-22.3 )              |
|                                               | Rated Heating Current      | A        | 10.43 ( 2.91-14.35 )         | 15.5 ( 2.43-18 )             | 20 ( 2.43-23.0 )             |
| Performance                                   | EER/COP                    | W/W      | 3.39/3.83                    | 3.10/3.23                    | 2.73/2.93                    |
|                                               | SEER/SCOP                  | W/W      | 6.1/4.1                      | 6.1/4.1                      | 6.1/4.0                      |
|                                               | Air Flow Volume            | m3/h     | 1600/1400/1100               | 1900/1600/1400               | 1900/1600/1400               |
|                                               | Sound Pressure Noise Level | dB(A)    | 46/44/41                     | 44/41/39                     | 44/41/39                     |
| Indoor Unit                                   | Sound Power Noise Level    | dB(A)    | 57                           | 55                           | 55                           |
|                                               | Net Dimension (W*H*D)      | mm       | 1000x700x245                 | 1400x700x245                 | 1400x700x245                 |
|                                               | Packing Dimension (W*H*D)  | mm       | 1230x830x300                 | 1630x830x300                 | 1630x830x300                 |
|                                               | Net/Gross Weight           | Kg       | 32/38                        | 42/48                        | 42/48                        |
|                                               | ESP                        | Pa       | 37(0-160)                    | 37(0-160)                    | 37(0-160)                    |
| Refrigerant Pipe                              | Liquid Side                | mm       | 9.52(3/8)                    | 9.52(3/8)                    | 9.52(3/8)                    |
|                                               | Gas Side                   | mm       | 15.88(5/8)                   | 15.88(5/8)                   | 15.88(5/8)                   |
|                                               | Drainage                   | mm       | R3/4in(DN20)                 | R3/4in(DN20)                 | R3/4in(DN20)                 |
| Wired/Remote Controller                       |                            |          | XK05-DY(AUX)120(485)-E2(SY ) | XK05-DY(AUX)120(485)-E2(SY ) | XK05-DY(AUX)120(485)-E2(SY ) |
| Qty' per 20' & 40' & 40HQ(Only For Reference) |                            | Set      | 32/64/83                     | 27/56/69                     | 27/56/69                     |

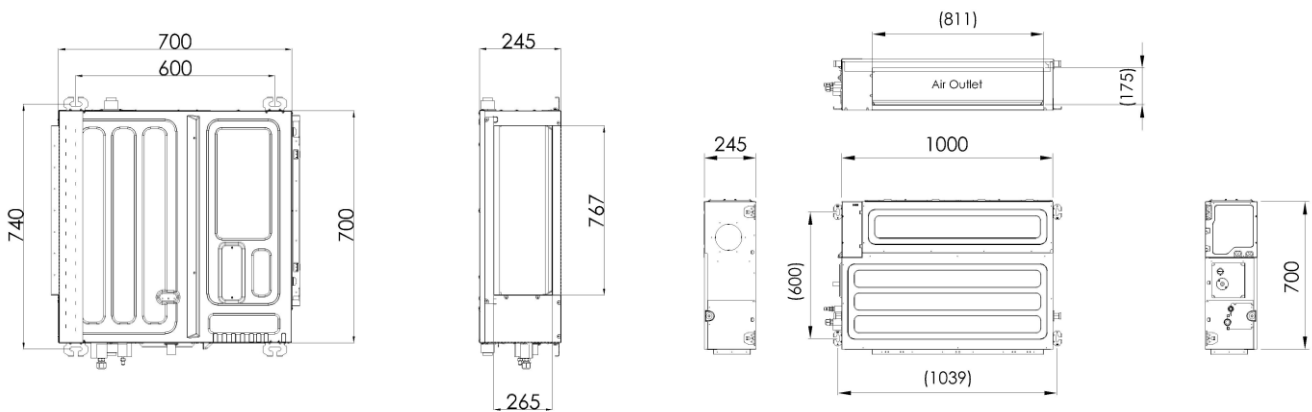


| Model                                        | Indoor                     |          | ALMD-H48/SDR3HA              | ALMD-H60/SDR3HA              |
|----------------------------------------------|----------------------------|----------|------------------------------|------------------------------|
|                                              | Outdoor                    |          | AL-H48/SDR3A(U)              | AL-H60/SDR3A(U)              |
| IDU Power Supply                             |                            | V~,Hz,Ph | 220-240/50&60/1              | 220-240/50&60/1              |
| Capacity                                     | Cooling                    | Btu/h    | 48000(16241-56298)           | 55000(16241-59710)           |
|                                              |                            | KW       | 14.0(4.76-16.50)             | 16.00(4.76-17.5)             |
|                                              | Heating                    | Btu/h    | 55000(16309-55104)           | 58000(16308-63122)           |
|                                              |                            | KW       | 16.00(4.78-16.15)            | 17.00(4.78-18.50)            |
| Electric Data                                | Rated Cooling Power Input  |          | kW                           | 5.0 ( 1.71-6.6 )             |
|                                              | Rated Heating Power Input  |          | kW                           | 5.0 ( 1.71-6.7 )             |
|                                              | Rated Cooling Current      |          | A                            | 9.00 ( 1.50-15.00 )          |
|                                              | Rated Heating Current      |          | A                            | 10.00 ( 1.50-15.00 )         |
| Performance                                  | EER/COP                    |          | W/W                          | 2.8/3.2                      |
|                                              | SEER/SCOP                  |          | W/W                          | 6.1/4.0                      |
|                                              | Air Flow Volume            |          | m3/h                         | 2300/2000/1700               |
|                                              | Sound Pressure Noise Level |          | dB(A)                        | 52/49/47                     |
| Indoor Unit                                  | Sound Power Noise Level    |          | dB(A)                        | 64                           |
|                                              | Net Dimension (W*H*D)      |          | mm                           | 1400×700×245                 |
|                                              | Packing Dimension (W*H*D)  |          | mm                           | 1630×830×300                 |
|                                              | Net/Gross Weight           |          | Kg                           | 42/48                        |
|                                              | ESP                        |          | Pa                           | 50(0~160)                    |
| Refrigerant Pipe                             | Liquid Side                |          | mm                           | 9.52(3/8)                    |
|                                              | Gas Side                   |          | mm                           | 19.05(3/4)                   |
|                                              | Drainage                   |          | mm                           | R3/4in(DN20)                 |
| Wired/Remote Controller                      |                            |          | XK05-DY(AUX)120(485)-E2(SY ) | XK05-DY(AUX)120(485)-E2(SY ) |
| Qty' per 20' & 40' &40HQ(Only For Reference) |                            | Set      | 22/49/52                     | 22/49/52                     |

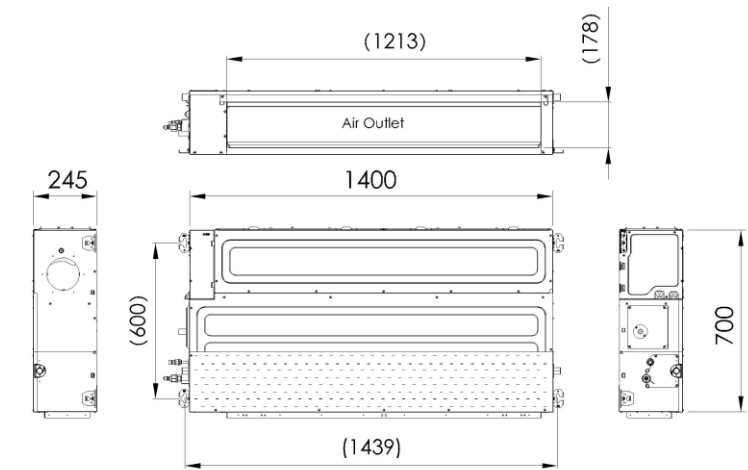
## Dimension

ALMD-H12/NDR3HM2A、ALMD-H18/NDR3HM2A

ALMD-H24/NDR3HM2A、ALMD-H30/NDR3HM2A



ALMD-H36/NDR3HM2A、ALMD-H42/NDR3HM2A、ALMD-H48/NDR3HM2A、ALMD-H60/NDR3HM2A





# CEILING & FLOOR

Free-match & Light Commercial

## Feature

### ► Anti-condensation air outlet

The unique air outlet and curved air guide bar, as well as flocking material pasted on the air outlet to avoid condensation from excessive temperature difference between the air outlet and the air-out, can increase the non-condensation time from 4 hours to 6 hours.



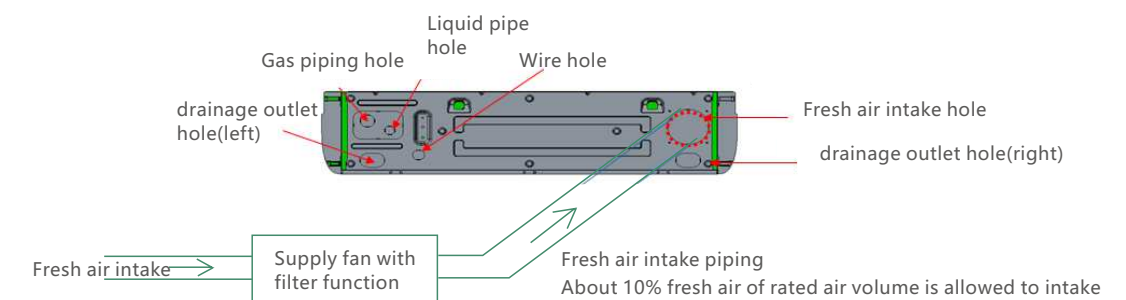
### ► Adjustable installation angle

The side of the unit is equipped with an angle adjustment slider, which can slide up and down to adjust the horizontal angle of the machine lifting, ensuring the smooth discharge of condensate.



### ► Fresh air hole design:

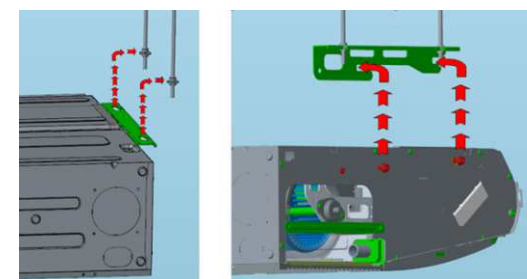
Fresh air hole is opened at the bottom, with fresh air volume up to 10% of the total air intake, to ensure the fresh air into the room, and to ensure the indoor air quality.



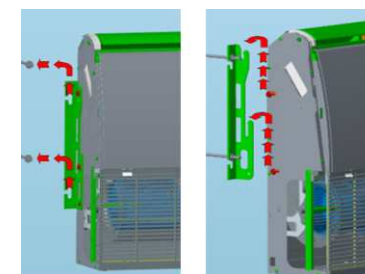
### ► Optional two types of installation

Choose flexibly between horizontal and vertical installation depending on building type and installation scenario.

#### Horizontal installation



#### Vertical installation



### ► Optional filters

Formaldehyde removal filter, sterilization filter, etc.



# Specification-Light Commercial

| Sale Model              | Indoor                     |           | ALCF-H18/NDR3HF2     | ALCF-H24/NDR3HF2     | ALCF-H36/NDR3HF      |
|-------------------------|----------------------------|-----------|----------------------|----------------------|----------------------|
|                         | Outdoor                    |           | AL-H18/NDR3HB2(U)    | AL-H24/NDR3HB2(U)    | AL-H36/NDR3A(U)      |
| IDU Power Supply        |                            | V~,Hz,Ph  | 220-240/50&60/1      | 220-240/50&60/1      | 220-240/50&60/1      |
| Capacity                | Cooling                    | Btu/h     | 18000 ( 5500-20500 ) | 24000 ( 7400-28000 ) | 36000 ( 9900-44400 ) |
|                         |                            | kW        | 5.3 ( 1.60-6.00 )    | 7.03 ( 2.16-8.20 )   | 10.55 ( 2.90-13.00 ) |
|                         | Heating                    | Btu/h     | 19450 ( 4800-24600 ) | 26000 ( 6800-31700 ) | 38000 ( 8900-46000 ) |
|                         |                            | kW        | 5.7 ( 1.40-7.20 )    | 7.62 ( 1.98-9.30 )   | 11.15 ( 2.60-13.50 ) |
| Electric Data           | Rated Cooling Power Input  |           | W                    | 1550 ( 480-2300 )    | 2150 ( 670-3300 )    |
|                         | Rated Heating Power Input  |           | W                    | 1520 ( 470-2400 )    | 2050 ( 650-3300 )    |
|                         | Rated Cooling Current      |           | A                    | 6.74 ( 2.09-10.00 )  | 9.34 ( 2.91-14.35 )  |
|                         | Rated Heating Current      |           | A                    | 6.61 ( 2.04-10.43 )  | 8.91 ( 2.83-14.35 )  |
| Performance             | EER/COP                    |           | W/W                  | 3.42/3.75            | 3.27/3.72            |
|                         | SEER/SCOP                  |           | W/W                  | 6.1/4.0              | 6.2/4.0              |
| Indoor Unit             | Air Flow Volume            |           | m3/h                 | 900/720/600          | 1230/1020/840        |
|                         | Sound Pressure Noise Level |           | dB(A)                | 40/35/33             | 42/38/35             |
|                         | Sound Power Noise Level    |           | dB(A)                | 51                   | 52                   |
|                         | Net Dimension (W*D*H)      |           | mm                   | 1000×690×235         | 1280×690×235         |
|                         | Packing Dimension (W*D*H)  |           | mm                   | 1080×770×325         | 1360×770×325         |
|                         | Net/Gross Weight           |           | Kg                   | 28/32.5              | 34/39.5              |
| Refrigerant Pipe        | Liquid Side                |           | mm                   | 6.35(1/4)            | 9.52(3/8)            |
|                         | Gas Side                   |           | mm                   | 12.7(1/2)            | 15.88(5/8)           |
|                         | Drainage                   |           | mm                   | R3/4in(DN20)         | R3/4in(DN20)         |
| Wired/Remote Controller |                            |           |                      | YKR-K/001E           | YKR-K/001E           |
| Stuffing Quantity       |                            | 20/40/40H | Set                  | 112/224/256          | 84/175/200           |

| Sale Model              | Indoor                     |           | ALCF-H42/NDR3HF      | ALCF-H48/SDR3HF       | ALCF-H60/SDR3HF      |
|-------------------------|----------------------------|-----------|----------------------|-----------------------|----------------------|
|                         | Outdoor                    |           | AL-H42/NDR3A(U)      | AL-H48/SDR3A(U)       | AL-H60/SDR3A(U)      |
| IDU Power Supply        |                            | V~,Hz,Ph  | 220-240/50&60/1      | 220-240/50&60/1       | 220-240/50&60/1      |
| Capacity                | Cooling                    | Btu/h     | 42000(9800-46000)    | 48000 ( 16200-49500 ) | 55000(16241-59710)   |
|                         |                            | kW        | 12.10(2.90-13.50)    | 14.00 ( 4.76-14.50 )  | 16.00(4.76-17.50)    |
|                         | Heating                    | Btu/h     | 46000 ( 8800-51100 ) | 54600 ( 16300-58000 ) | 58000(16308-63122)   |
|                         |                            | kW        | 13.50 ( 2.60-15.00 ) | 16.00 ( 4.78-17.00 )  | 17.00(4.78-18.50)    |
| Electric Data           | Rated Cooling Power Input  |           | W                    | 4500 ( 710-5100 )     | 5200 ( 1710-6700 )   |
|                         | Rated Heating Power Input  |           | W                    | 4600 ( 470-5290 )     | 5350 ( 1710-6900 )   |
|                         | Rated Cooling Current      |           | A                    | 19.50 ( 3.20-22.30 )  | 9.00 ( 1.50-15.00 )  |
|                         | Rated Heating Current      |           | A                    | 20.00 ( 2.43-23.00 )  | 10.00 ( 1.50-15.00 ) |
| Performance             | EER/COP                    |           | W/W                  | 2.69/2.93             | 2.69/2.99            |
|                         | SEER/SCOP                  |           | W/W                  | 6.1/4.0               | 6.1/4.0              |
| Indoor Unit             | Air Flow Volume            |           | m3/h                 | 2040/1740/1440        | 2040/1740/1440       |
|                         | Sound Pressure Noise Level |           | dB(A)                | 50/46/43              | 50/46/43             |
|                         | Sound Power Noise Level    |           | dB(A)                | 59                    | 61                   |
|                         | Net Dimension (W*D*H)      |           | mm                   | 1600×690×235          | 1600×690×235         |
|                         | Packing Dimension (W*D*H)  |           | mm                   | 1680×770×325          | 1680×770×325         |
|                         | Net/Gross Weight           |           | Kg                   | 41/48                 | 41/48                |
| Refrigerant Pipe        | Liquid Side                |           | mm                   | 9.52(3/8)             | 9.52(3/8)            |
|                         | Gas Side                   |           | mm                   | 15.88(5/8)            | 19.05(3/4)           |
|                         | Drainage                   |           | mm                   | R3/4in(DN20)          | R3/4in(DN20)         |
| Wired/Remote Controller |                            |           |                      | YKR-K/001E            | YKR-K/001E           |
| Stuffing Quantity       |                            | 20/40/40H | Set                  | 70/147/168            | 70/147/168           |

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

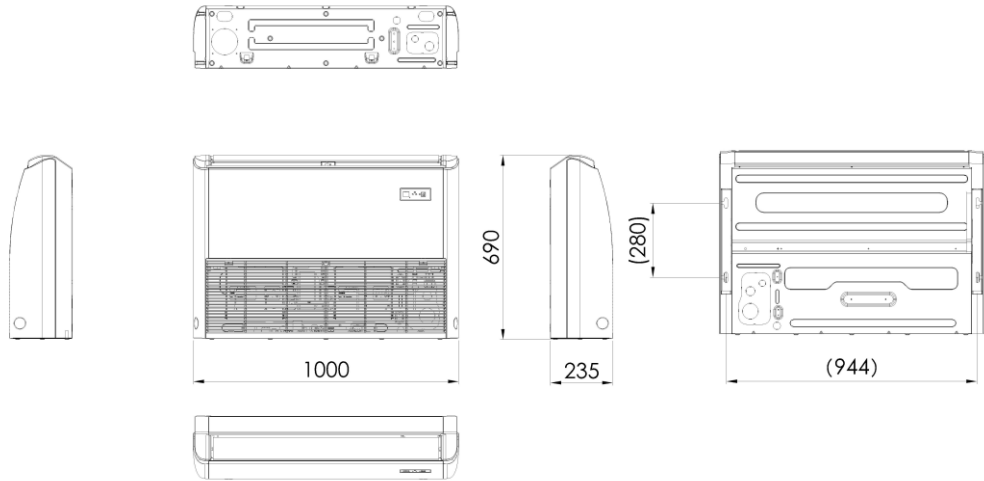
# Specification-Free Match

| Model             | Indoor                     |       | AMCF-H09/4R3F     | AMCF-H12/4R3F     | AMCF-H18/4R3F      |
|-------------------|----------------------------|-------|-------------------|-------------------|--------------------|
| Capacity          | Cooling                    | Btu/h | 9560(5120-12115)  | 12285(5800-12625) | 18000(8530-19107)  |
|                   |                            | kW    | 2.80(1.50-3.55)   | 3.60(1.70-3.70)   | 5.30(2.50-5.6)     |
|                   | Heating                    | Btu/h | 10240(5460-13000) | 13306(6930-15080) | 19790(10340-24000) |
|                   |                            | kW    | 3.00(1.60-3.81)   | 3.9(2.03-4.42)    | 5.80(3.03-7.03)    |
| Electric Data     | Power Supply               |       | V~,Hz,Ph          | 220-240V 50Hz     | 220-240V 50Hz      |
|                   | Rated Cooling Power Input  |       | W                 | 70(20-125)        | 70(20-125)         |
|                   | Rated Heating Power Input  |       | W                 | 70(20-125)        | 70(20-125)         |
| Performance       | Air Flow Volume            |       | m3/h              | 840/700/580       | 840/700/580        |
|                   | Sound Pressure Noise Level |       | dB(A)             | 40/34/31          | 40/34/31           |
|                   | Sound Power Level          |       | dB(A)             | 55                | 55                 |
| Dimension         | Net(W*D*H)                 |       | mm                | 1000×690×235      | 1000×690×235       |
|                   | Packing(W*D*H)             |       | mm                | 1080×770×325      | 1080×770×325       |
| Weight            | Net/Gross                  |       | kg                | 27/32.5           | 27/32.5            |
| Pipe Diameter     | Liquid Side                |       | mm(inch)          | 6.35(1/4)         | 6.35(1/4)          |
|                   | Gas Side                   |       | mm(inch)          | 12.7(1/2)         | 12.7(1/2)          |
|                   | Drainage                   |       | mm                | 20                | 20                 |
| Stuffing Quantity | 20/40/40H                  |       | Set               | 112/224/256       | 112/224/256        |

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

## Dimension

AMCF-H09/4R3F、AMCF-H12/4R3F、AMCF-H18/4R3F、ALCF-H18/NDR3HF2、ALCF-H24/NDR3HF2、ALCF-H36/NDR3HF、ALCF-H42/NDR3HF、ALCF-H48/SDR3HF、ALCF-H60/SDR3HF





# Heat Pump

Air to water

## ► Feature



Saving and  
Greent



Healthy and  
Comfortable



Total  
solution



Intelligent  
operation

## ► Authentication



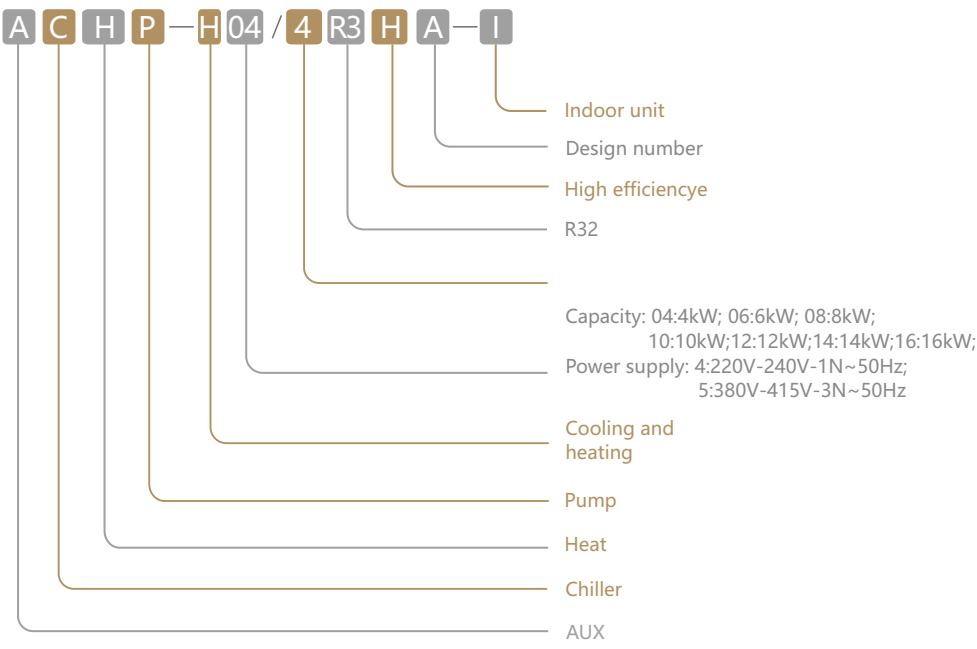
A+++



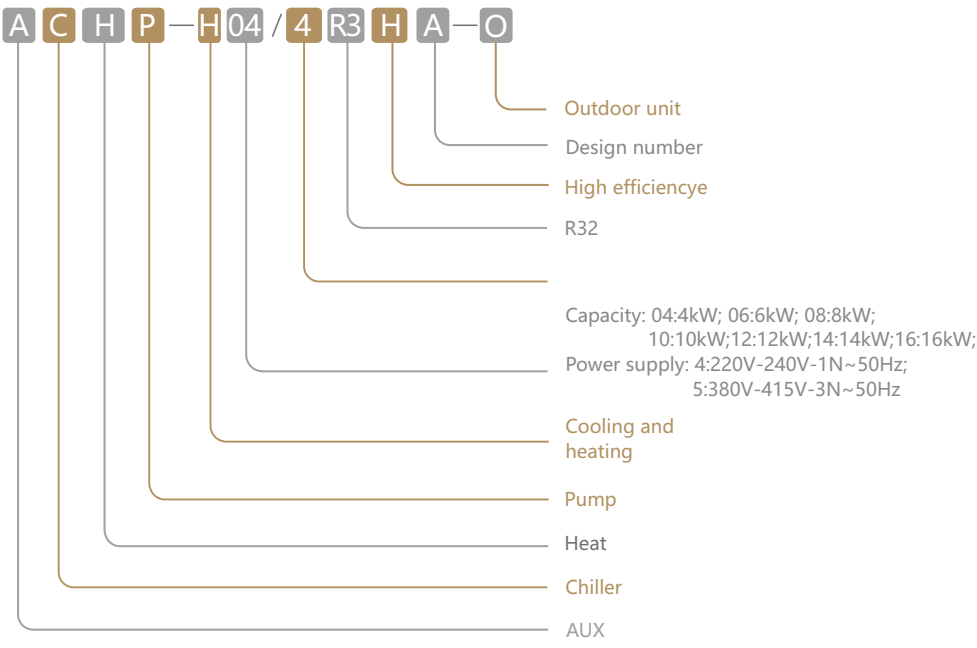


Nomenclature- Heat Pump

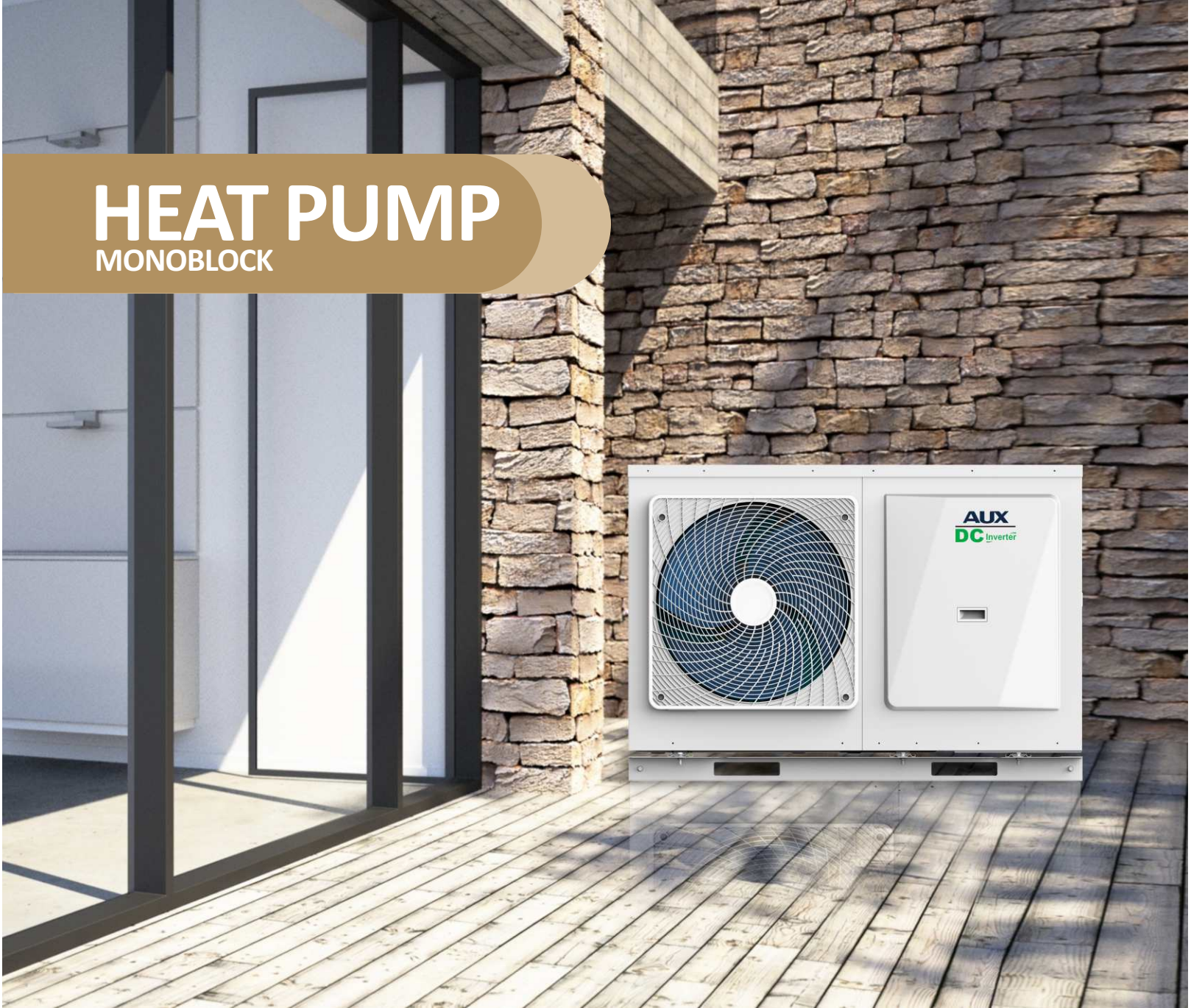
Indoor Unit



Outdoor Unit



HEAT PUMP  
MONOBLOCK



| Series     |                                                                                       | 4KW | 6KW | 8KW | 10KW | 12KW | 14KW | 16KW |
|------------|---------------------------------------------------------------------------------------|-----|-----|-----|------|------|------|------|
| Monoblock  |  | ●   | ●   | ●   | ●    | ●    | ●    | ●    |
| Split type |  | ●   | ●   | ●   | ●    | ●    | ●    | ●    |



► New integral outdoor unit

- 1. There is no need to install refrigerant pipeline; hot and cold water can be directly delivered to the room
- 2. The electric control box is placed on the top; after removing the top cover plate, the maintenance operation can be carried out, which is convenient
- 3. With built-in pressure relief valve, pressure will be relieved automatically when the water pressure is too high.

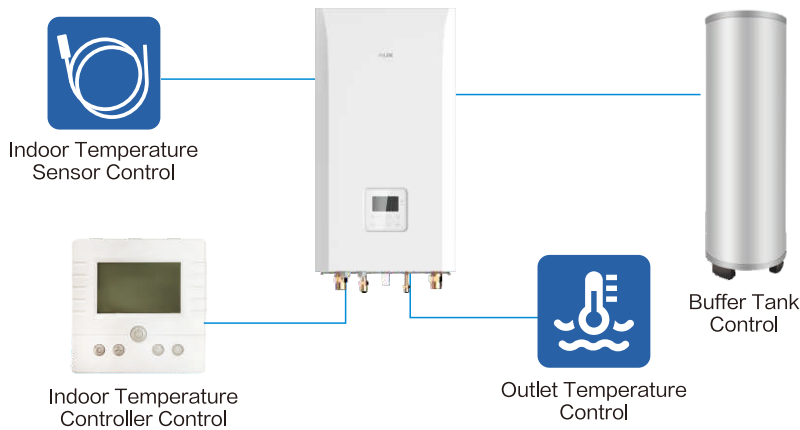


► Optional electric heating

With optional electric heating, users can flexibly choose electric heating as a supplement to the heating capacity of the heat pump according to the local climate and own habits.

► Four temperature control modes are available

Users can choose one of them (outlet water temperature control, indoor temperature sensor control, indoor temperature controller control, and buffer tank control) according to the actual installation and habits.



Specification

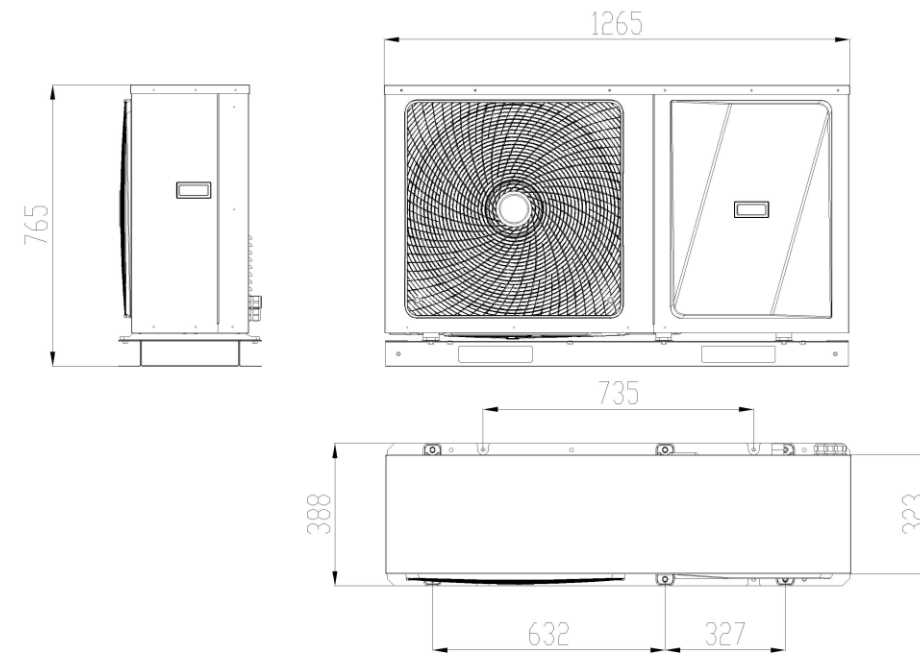
| Model name                                         |                                |                | 4kW              | 6kW              | 8kW              | 10kW             |
|----------------------------------------------------|--------------------------------|----------------|------------------|------------------|------------------|------------------|
| Model<br>Power supply                              |                                |                | ACHP-H04/4R3HA-M | ACHP-H06/4R3HA-M | ACHP-H08/4R3HA-M | ACHP-H10/4R3HA-M |
|                                                    |                                | V/Ph/H         | 220-240/1/50     |                  |                  |                  |
| Heating2                                           | Capacity                       | KW             | 4.3              | 6.35             | 8.4              | 10               |
|                                                    | Rated input                    | KW             | 0.83             | 1.28             | 1.62             | 2                |
|                                                    | COP                            |                | 5.2              | 4.95             | 5.2              | 5                |
| Heating3                                           | Capacity                       | KW             | 4.36             | 6.4              | 8.3              | 10               |
|                                                    | Rated input                    | KW             | 1.47             | 2.13             | 2.60             | 3.23             |
|                                                    | COP                            |                | 2.96             | 3                | 3.19             | 3.1              |
| Cooling4                                           | Capacity                       | KW             | 4.5              | 6.6              | 8.45             | 10               |
|                                                    | Rated input                    | KW             | 0.81             | 1.35             | 1.67             | 2.08             |
|                                                    | EER                            |                | 5.56             | 4.9              | 5.06             | 4.8              |
| Cooling5                                           | Capacity                       | KW             | 4.75             | 7.05             | 7.45             | 8.3              |
|                                                    | Rated input                    | KW             | 1.40             | 2.35             | 2.20             | 2.52             |
|                                                    | EER                            |                | 3.4              | 3                | 3.39             | 3.3              |
| Seasonal space heating<br>energy efficiency class7 | LWT at 35 °C                   |                | A+++             | A+++             | A+++             | A+++             |
|                                                    | LWT at 55 °C                   |                | A++              | A++              | A++              | A++              |
| SCOP6                                              | LWT at 35 °C                   |                | 4.86             | 4.96             | 5.22             | 5.2              |
|                                                    | LWT at 55 °C                   |                | 3.32             | 3.53             | 3.37             | 3.5              |
| plate heat exchanger                               | Dimension (W*H*D)              | mm             | 331*117*70       | 331*117*70       | 331*117*87       | 331*117*87       |
|                                                    | Heat exchange area             | m <sup>2</sup> | 1.58             | 1.58             | 2.04             | 2.04             |
| water pump                                         | Pump head                      | m              | 9                | 9                | 9                | 9                |
|                                                    | Max Flow                       | m3/h           | 4.5              | 4.5              | 4.5              | 4.5              |
|                                                    | Adapter diameter               |                | DN25             | DN25             | DN25             | DN25             |
| Sound pressure level                               |                                | dB(A)          | 42               | 45               | 46               | 47               |
| Sound power level                                  |                                | dB(A)          | 55               | 58               | 59               | 60               |
| Packed dimensions<br>(W×D×H)                       |                                | mm             | 1330×428×930     |                  | 1465×550×1095    |                  |
| Body dimensions<br>(W×D×H)                         |                                | mm             | 1265×323×765     |                  | 1385×520×933     |                  |
| Net/Gross weight                                   |                                | kg             | 88/98            |                  | 129/139          |                  |
| Operating<br>temperature range                     | Cooling                        | °C             | -5 ~ 43          |                  |                  |                  |
|                                                    | Heating                        | °C             | -25 ~ 35         |                  |                  |                  |
|                                                    | DHW                            | °C             | -25 ~ 43         |                  |                  |                  |
| Setting water<br>temperature range                 | Cooling                        | °C             | 5 ~ 25           |                  |                  |                  |
|                                                    | Heating                        | °C             | 12 ~ 65          |                  |                  |                  |
|                                                    | DHW(tank)                      | °C             | 30 ~ 60          |                  |                  |                  |
| Water circuit                                      | Piping connections             | inch           | G1" BSP          |                  | G1" BSP          |                  |
|                                                    | Safety valve set pressure      | MPa            | 0.3              |                  |                  |                  |
|                                                    | Flow switch                    | m³/h           | 0.36             |                  | 0.6              |                  |
|                                                    | Drainage pipe connection       | mm             | φ 25             | φ 25             | φ 25             | φ 25             |
|                                                    | Expansion tank Volume          | L              | 8                |                  |                  |                  |
|                                                    | Capacity of the back-up heater | kW             | 3                |                  |                  |                  |
| Stuffing Quantity                                  | 40H/40/20                      | Unit           | 92/86/42         | 92/86/42         | 66/66/32         | 66/66/32         |

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

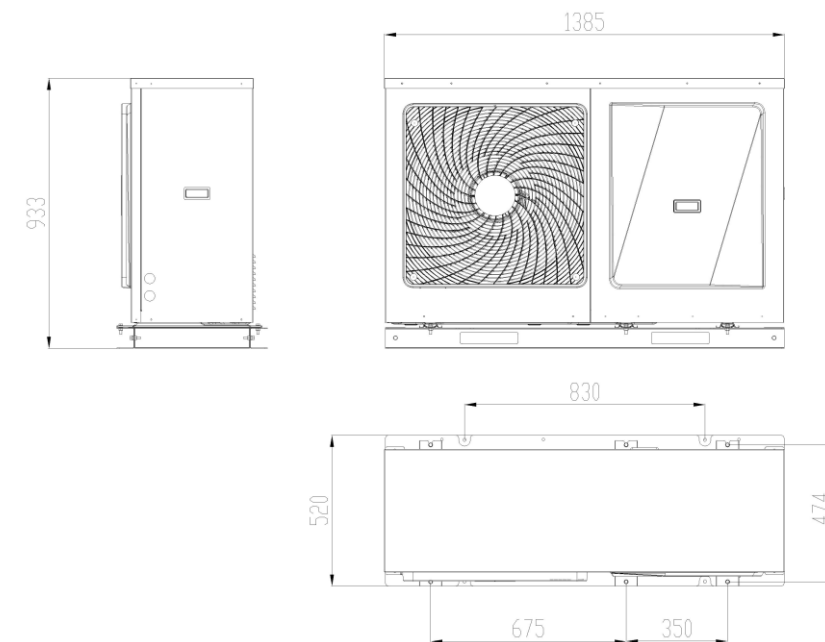


## Dimension

ACHP-HO4/4R3HA-M、ACHP-HO6/4R3HA-M



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



| Model name                                      |                                |                   | 12kW             | 14kW             | 16kW             | 12kW             | 14kW             | 16W              |
|-------------------------------------------------|--------------------------------|-------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Model                                           |                                |                   | ACHP-H12/4R3HA-M | ACHP-H14/4R3HA-M | ACHP-H16/4R3HA-M | ACHP-H12/5R3HA-M | ACHP-H14/5R3HA-M | ACHP-H16/5R3HA-M |
| Power supply                                    |                                |                   | V/Ph/H           |                  | 220-240/1/50     |                  | 380-415/3/50     |                  |
| Heating2                                        | Capacity                       | KW                | 12.2             | 14.5             | 16.1             | 12.2             | 14.5             | 16.1             |
|                                                 | Rated input                    | KW                | 2.44             | 3.08             | 3.57             | 2.44             | 3.08             | 3.57             |
|                                                 | COP                            |                   | 4.96             | 4.71             | 4.51             | 4.96             | 4.71             | 4.51             |
| Heating3                                        | Capacity                       | KW                | 12               | 14               | 16.1             | 12               | 14               | 16.1             |
|                                                 | Rated input                    | KW                | 3.86             | 4.67             | 5.53             | 3.86             | 4.67             | 5.53             |
|                                                 | COP                            |                   | 3.11             | 3                | 2.91             | 3.11             | 3                | 2.91             |
| Cooling4                                        | Capacity                       | KW                | 12               | 13.6             | 15               | 12               | 13.6             | 15               |
|                                                 | Rated input                    | KW                | 3                | 3.78             | 4.41             | 3                | 3.78             | 4.41             |
|                                                 | EER                            |                   | 4                | 3.6              | 3.4              | 4                | 3.6              | 3.4              |
| Cooling5                                        | Capacity                       | KW                | 11.7             | 12.8             | 14               | 11.7             | 12.8             | 14               |
|                                                 | Rated input                    | KW                | 4.3              | 5.00             | 5.7              | 4.3              | 5.00             | 5.7              |
|                                                 | EER                            |                   | 2.75             | 2.56             | 2.46             | 2.75             | 2.56             | 2.46             |
| Seasonal space heating energy efficiency class7 | LWT at 35℃                     |                   | A+++             | A+++             | A+++             | A+++             | A+++             | A+++             |
|                                                 | LWT at 55℃                     |                   | A++              | A++              | A++              | A++              | A++              | A++              |
| SCOP6                                           | LWT at 35℃                     |                   | 4.82             | 4.71             | 4.63             | 4.82             | 4.71             | 4.63             |
|                                                 | LWT at 55℃                     |                   | 3.46             | 3.48             | 3.43             | 3.46             | 3.48             | 3.43             |
| plate heat exchanger                            | Dimension (W*H*D)              | mm                | 331*117*87       | 331*117*87       | 331*117*87       | 331*117*87       | 331*117*87       | 331*117*87       |
|                                                 | Heat exchange area             | m <sup>2</sup>    | 2.04             | 2.04             | 2.04             | 2.04             | 2.04             | 2.04             |
| water pump                                      | Pump head                      | m                 | 9                | 9                | 9                | 9                | 9                | 9                |
|                                                 | Max Flow                       | m <sup>3</sup> /h | 4.5              | 4.5              | 4.5              | 4.5              | 4.5              | 4.5              |
|                                                 | Adapter diameter               |                   | DN25             | DN25             | DN25             | DN25             | DN25             | DN25             |
| Sound pressure level                            |                                | dB(A)             | 52               | 52               | 55               | 52               | 52               | 55               |
| Sound power level                               |                                | dB(A)             | 65               | 65               | 68               | 65               | 65               | 68               |
| Packed dimensions (W×D×H)                       |                                | mm                | 1465×550×1095    |                  |                  | 1465×550×1095    |                  |                  |
| Body dimensions (W×D×H)                         |                                | mm                | 1385×520×933     |                  |                  | 1385×520×933     |                  |                  |
| Net/Gross weight                                |                                | kg                | 137/149          |                  |                  | 137/149          |                  |                  |
| Operating temperature range                     | Cooling                        | ℃                 | -5 ~ 43          |                  |                  | -5 ~ 43          |                  |                  |
|                                                 | Heating                        | ℃                 | -25 ~ 35         |                  |                  | -25 ~ 35         |                  |                  |
|                                                 | DHW                            | ℃                 | -25 ~ 43         |                  |                  | -25 ~ 43         |                  |                  |
| Setting water temperature range                 | Cooling                        | ℃                 | 5 ~ 25           |                  |                  | 5 ~ 25           |                  |                  |
|                                                 | Heating                        | ℃                 | 12 ~ 65          |                  |                  | 12 ~ 65          |                  |                  |
|                                                 | DHW(tank)                      | ℃                 | 30 ~ 60          |                  |                  | 30 ~ 60          |                  |                  |
| Water circuit                                   | Piping connections             | inch              | G1" BSP          |                  |                  | G1" BSP          |                  |                  |
|                                                 | Safety valve set pressure      | MPa               | 0.3              |                  |                  | 0.3              |                  |                  |
|                                                 | Flow switch                    | m <sup>3</sup> /h | 0.6              |                  |                  | 0.6              |                  |                  |
|                                                 | Drainage pipe connection       | mm                | φ 25             |                  |                  | φ 25             |                  |                  |
|                                                 | Expansion tank Volume          | L                 | 8                |                  |                  | 8                |                  |                  |
|                                                 | Capacity of the back-up heater | kW                | 3                |                  |                  | 3                |                  |                  |
| Stuffing Quantity                               | 40H/40/20                      | Unit              | 66/66/32         |                  |                  | 66/66/32         |                  |                  |



# HEAT PUMP

## SPLIT



### ► New integral outdoor unit

The dimension of the water module is 420×790×270

With hook design on the back, the water module can be directly hung on the wall

The electric control box can be rotated, and all parts can be accessed after the electric control box is opened

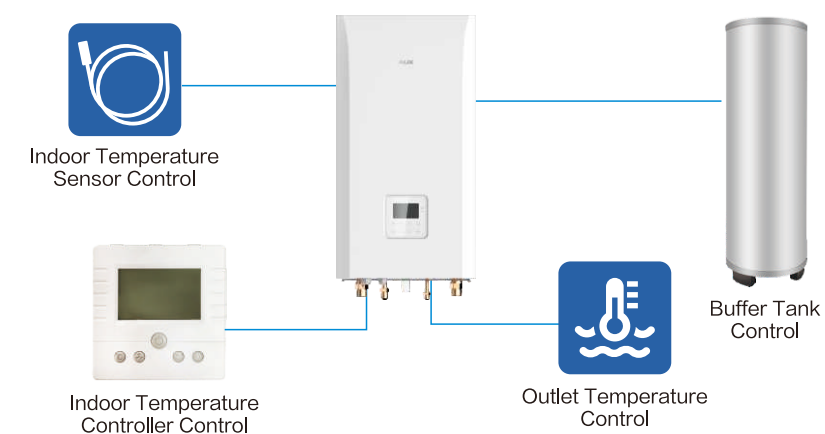
With built-in pressure relief valve, pressure will be relieved automatically when the water pressure is too high

### ► Built-in electric heating in hydrodynamic module

Built-in electric heating in the hydrodynamic module can be used as a supplement to the heating capacity of the heat pump.

### ► Four temperature control modes are available

Users can choose one of them (outlet water temperature control, indoor temperature sensor control, indoor temperature controller control, and buffer tank control) according to the actual installation and habits.





Specification-outdoor

| Model name                                      |             |          | 4kW              | 6kW              | 8kW              | 10kW             | 12kW             |
|-------------------------------------------------|-------------|----------|------------------|------------------|------------------|------------------|------------------|
| Model                                           | outdoor     |          | ACHP-H04/4R3HA-0 | ACHP-H06/4R3HA-0 | ACHP-H08/4R3HA-0 | ACHP-H10/4R3HA-0 | ACHP-H12/5R3HA-0 |
| ODU Power Supply                                |             | V~,Hz,Ph | 220-240/1/50     | 220-240/1/50     | 220-240/1/50     | 220-240/1/50     | 220-240/1/50     |
| ODU Max. Input Consumption                      |             | kW       | 4.14             | 4.14             | 4.47             | 4.47             | 9.2              |
| Heating2                                        | Capacity    | kW       | 4.3              | 6.25             | 8.4              | 10               | 12.2             |
|                                                 | Rated input | kW       | 0.83             | 1.25             | 1.62             | 2                | 2.44             |
|                                                 | COP         |          | 5.2              | 5                | 5.2              | 5                | 4.96             |
| Heating3                                        | Capacity    | kW       | 4.36             | 6.4              | 8.3              | 10               | 12               |
|                                                 | Rated input | kW       | 1.47             | 2.13             | 2.60             | 3.23             | 3.86             |
|                                                 | COP         |          | 2.96             | 3                | 3.19             | 3.1              | 3.11             |
| Cooling4                                        | Capacity    | kW       | 4.5              | 6.6              | 8.45             | 10               | 12               |
|                                                 | Rated input | kW       | 0.81             | 1.35             | 1.67             | 2.08             | 3                |
|                                                 | EER         |          | 5.56             | 4.9              | 5.06             | 4.8              | 4                |
| Cooling5                                        | Capacity    | kW       | 4.75             | 7.05             | 7.45             | 8.3              | 11.7             |
|                                                 | Rated input | kW       | 1.40             | 2.35             | 2.20             | 2.52             | 4.3              |
|                                                 | EER         |          | 3.4              | 3                | 3.39             | 3.3              | 2.75             |
| Seasonal space heating energy efficiency class7 | LWT at 35℃  |          | A+++             | A+++             | A+++             | A+++             | A+++             |
|                                                 | LWT at 55℃  |          | A++              | A++              | A++              | A++              | A++              |
| SCOP6                                           | LWT at 35℃  |          | 4.86             | 4.96             | 5.22             | 5.2              | 4.82             |
|                                                 | LWT at 55℃  |          | 3.32             | 3.53             | 3.37             | 3.5              | 3.46             |
| Air Flow Volume                                 |             | m3/h     | 2800             | 2800             | 4000             | 4000             | 4650             |
| sound pressure level                            | H           | dB(A)    | 38               | 38               | 45               | 48               | 49               |
| sound power level                               | H           | dB(A)    | 56               | 58               | 58               | 61               | 64               |
| Dimension(W×D×H)                                | Net         | mm       | 700×350×900      | 700×350×900      | 805×395×970      | 805×395×970      | 870×480×1060     |
|                                                 | Packing     | mm       | 770×430×1020     | 770×430×1020     | 895×495×1105     | 895×495×1105     | 980×545×1100     |
| Weight                                          | Net/Gross   | kg       | 51/55            | 51/55            | 65/69            | 65/69            | 88/94            |
|                                                 | Liquid Side | mm       | 9.52             | 9.52             | 9.52             | 9.52             | 9.52             |
| Refrigerant Piping                              | Gas Side    | mm       | 15.88            | 15.88            | 15.88            | 15.88            | 15.88            |
|                                                 | MAX length  | m        | 30               | 30               | 30               | 30               | 30               |
|                                                 | MIN length  | m        | 2                | 2                | 2                | 2                | 2                |
| Installation height difference                  | ODU above   | m        | 20               | 20               | 20               | 20               | 20               |
|                                                 | ODU below   | m        | 20               | 20               | 20               | 20               | 20               |
| Operating temperature range                     | Cooling     | ℃        | -5 ~ 52          | -5 ~ 52          | -5 ~ 52          | -5 ~ 52          | -5 ~ 52          |
|                                                 | Heating     | ℃        | -25 ~ 35         | -25 ~ 35         | -25 ~ 35         | -25 ~ 35         | -25 ~ 35         |
|                                                 | DHW         | ℃        | -25 ~ 43         | -25 ~ 43         | -25 ~ 43         | -25 ~ 43         | -25 ~ 43         |
| Stuffing Quantity                               |             | Unit     | 87/183/183       | 87/183/183       | 44/96/144        | 44/96/144        | 40/84/84         |
| Energy efficiency label data                    | Colder      | 55℃ kW   | 3                | 4                | 6                | 7                | 10               |
|                                                 |             | 35℃ kW   | 5                | 6                | 7                | 8                | 11               |
|                                                 | Average     | 55℃ kW   | 6                | 6                | 7                | 8                | 12               |
|                                                 |             | 35℃ kW   | 6                | 7                | 8                | 9                | 12               |
|                                                 | Warmer      | 55℃ kW   | 5                | 5                | 8                | 9                | 13               |
|                                                 |             | 35℃ kW   | 6                | 6                | 8                | 9                | 11               |

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

| Model name                                      |             |          | 14kW             | 16kW             | 12kW             | 14kW             | 16kW             |    |
|-------------------------------------------------|-------------|----------|------------------|------------------|------------------|------------------|------------------|----|
| Model                                           | outdoor     |          | ACHP-H14/5R3HA-0 | ACHP-H16/5R3HA-0 | ACHP-H12/5R3HA-0 | ACHP-H14/5R3HA-0 | ACHP-H16/5R3HA-0 |    |
| ODU Power Supply                                |             | V~,Hz,Ph | 220-240/1/50     | 220-240/1/50     | 380-415/3/50     | 380-415/3/50     | 380-415/3/50     |    |
| ODU Max. Input Consumption                      |             | kW       | 9.2              | 9.2              | 9.2              | 9.2              | 9.2              |    |
| Heating2                                        | Capacity    | kW       | 14.5             | 16.1             | 12.2             | 14.5             | 16.1             |    |
|                                                 | Rated input | kW       | 3.08             | 3.57             | 2.44             | 3.08             | 3.57             |    |
|                                                 | COP         |          | 4.71             | 4.51             | 4.96             | 4.71             | 4.51             |    |
| Heating3                                        | Capacity    | kW       | 14               | 16.1             | 12               | 14               | 16.1             |    |
|                                                 | Rated input | kW       | 4.67             | 5.53             | 3.86             | 4.67             | 5.53             |    |
|                                                 | COP         |          | 3                | 2.91             | 3.11             | 3                | 2.91             |    |
| Cooling4                                        | Capacity    | kW       | 13.6             | 15               | 12               | 13.6             | 15               |    |
|                                                 | Rated input | kW       | 3.78             | 4.41             | 3                | 3.78             | 4.41             |    |
|                                                 | EER         |          | 3.6              | 3.4              | 4                | 3.6              | 3.4              |    |
| Cooling5                                        | Capacity    | kW       | 12.8             | 14               | 11.7             | 12.8             | 14               |    |
|                                                 | Rated input | kW       | 5.00             | 5.7              | 4.3              | 5.00             | 5.7              |    |
|                                                 | EER         |          | 2.56             | 2.46             | 2.75             | 2.56             | 2.46             |    |
| Seasonal space heating energy efficiency class7 | LWT at 35℃  |          | A+++             | A+++             | A+++             | A+++             | A+++             |    |
|                                                 | LWT at 55℃  |          | A++              | A++              | A++              | A++              | A++              |    |
| SCOP6                                           | LWT at 35℃  |          | 4.71             | 4.63             | 4.82             | 4.71             | 4.63             |    |
|                                                 | LWT at 55℃  |          | 3.48             | 3.43             | 3.46             | 3.48             | 3.43             |    |
| Air Flow Volume                                 |             | m3/h     | 4650             | 4650             | 4650             | 4650             | 4650             |    |
| sound pressure level                            | H           | dB(A)    | 50               | 54               | 49               | 50               | 54               |    |
| sound power level                               | H           | dB(A)    | 65               | 68               | 64               | 65               | 68               |    |
| Dimension(W×D×H)                                | Net         | mm       | 870×480×1060     | 870×480×1060     | 870×480×1060     | 870×480×1060     | 870×480×1060     |    |
|                                                 | Packing     | mm       | 980×545×1100     | 980×545×1100     | 980×545×1100     | 980×545×1100     | 980×545×1100     |    |
| Weight                                          | Net/Gross   | kg       | 88/94            | 88/94            | 88/94            | 88/94            | 88/94            |    |
|                                                 | Liquid Side | mm       | 9.52             | 9.52             | 9.52             | 9.52             | 9.52             |    |
| Refrigerant Piping                              | Gas Side    | mm       | 15.88            | 15.88            | 15.88            | 15.88            | 15.88            |    |
|                                                 | MAX length  | m        | 30               | 30               | 30               | 30               | 30               |    |
|                                                 | MIN length  | m        | 2                | 2                | 2                | 2                | 2                |    |
| Installation height difference                  | ODU above   | m        | 20               | 20               | 20               | 20               | 20               |    |
|                                                 | ODU below   | m        | 20               | 20               | 20               | 20               | 20               |    |
| Operating temperature range                     | Cooling     | ℃        | -5 ~ 52          | -5 ~ 52          | -5 ~ 52          | -5 ~ 52          | -5 ~ 52          |    |
|                                                 | Heating     | ℃        | -25 ~ 35         | -25 ~ 35         | -25 ~ 35         | -25 ~ 35         | -25 ~ 35         |    |
|                                                 | DHW         | ℃        | -25 ~ 43         | -25 ~ 43         | -25 ~ 43         | -25 ~ 43         | -25 ~ 43         |    |
| Stuffing Quantity                               |             | Unit     | 40/84/84         | 40/84/84         | 40/84/84         | 40/84/84         | 40/84/84         |    |
| Energy efficiency label data                    | Colder      | 55℃      | kW               | 11               | 12               | 10               | 11               | 12 |
|                                                 |             | 35℃      | kW               | 13               | 14               | 11               | 13               | 14 |
|                                                 | Average     | 55℃      | kW               | 14               | 14               | 12               | 14               | 14 |
|                                                 |             | 35℃      | kW               | 15               | 16               | 12               | 15               | 16 |
|                                                 | Warmer      | 55℃      | kW               | 14               | 14               | 13               | 14               | 14 |
|                                                 |             | 35℃      | kW               | 12               | 13               | 11               | 12               | 13 |



Specification-indoor

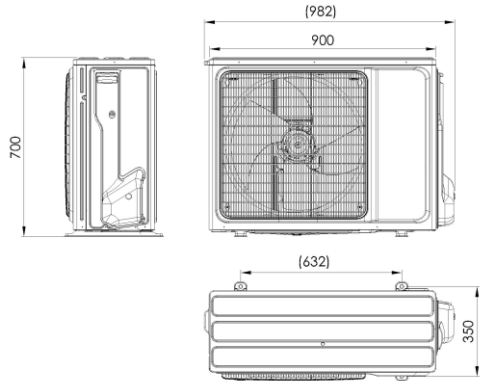
| Model name                      |                                |                | 4kW              | 6kW              | 8kW              | 10kW             |
|---------------------------------|--------------------------------|----------------|------------------|------------------|------------------|------------------|
| Model                           | Indoor                         |                | ACHP-H04/4R3HA-I | ACHP-H06/4R3HA-I | ACHP-H08/5R3HA-I | ACHP-H10/5R3HA-I |
| IDU Power Supply                | V~,Hz,Ph                       |                | 220-240/1/50     | 220-240/1/50     | 380-415/3/50     | 380-415/3/50     |
| IDU Max. Input Consumption      | kW                             |                | 3.09             | 3.09             | 9.09             | 9.09             |
| plate heat exchanger            | Dimension (W*H*D)              | mm             | 331*117*70       | 331*117*70       | 331*117*87       | 331*117*87       |
|                                 | Heat exchange area             | m <sup>2</sup> | 1.58             | 1.58             | 2.04             | 2.04             |
|                                 | Pump head                      | 9m             |                  |                  |                  |                  |
| water pump                      | Max Flow                       |                | 4.5m3/h          | 4.5m3/h          | 4.5m3/h          | 4.5m3/h          |
|                                 | Adapter diameter               | DN25           |                  |                  |                  |                  |
|                                 | Sound Pressure Noise Level     | dB(A)          | 30               | 30               | 31               | 31               |
| Indoor Unit                     | Sound Power Noise Level        | dB(A)          | 42               | 42               | 43               | 43               |
|                                 | Net Dimension (W*D*H)          | mm             | 420×270×790      | 420×270×790      | 420×270×790      | 420×270×790      |
|                                 | Packing Dimension (W*D*H)      | mm             | 515×1045×350     | 515×1045×350     | 515×1045×350     | 515×1045×350     |
| Setting water temperature range | Net/Gross Weight               | Kg             | 38/44            | 38/44            | 39/45            | 39/45            |
|                                 | Cooling                        | °C             | 5 ~ 25           | 5 ~ 25           | 5 ~ 25           | 5 ~ 25           |
|                                 | Heating                        | °C             | 25 ~ 65          | 25 ~ 65          | 25 ~ 65          | 25 ~ 65          |
| Water circuit                   | DHW(tank)                      | °C             | 25 ~ 60          | 25 ~ 60          | 25 ~ 60          | 25 ~ 60          |
|                                 | Piping connections             | inch           | R1"              | R1"              | R1"              | R1"              |
|                                 | Safety valve set pressure      | MPa            | 0.3              | 0.3              | 0.3              | 0.3              |
| Refrigerant Pipe                | Flow switch                    | m³/h           | 0.36             | 0.36             | 0.6              | 0.6              |
|                                 | Drainage pipe connection       | mm             | φ 25             | φ 25             | φ 25             | φ 25             |
|                                 | Expansion tank                 | L              | 8                | 8                | 8                | 8                |
| Qty' per 20' & 40' &40HQ        | Capacity of the back-up heater | kW             | 3                | 3                | 9                | 9                |
|                                 | Liquid Side                    | mm             | 15.88            | 15.88            | 15.88            | 15.88            |
|                                 | Gas Side                       | mm             | 9.52             | 9.52             | 9.52             | 9.52             |
|                                 | Drainage                       | mm             | DN25             | DN25             | DN25             | DN25             |
|                                 |                                |                |                  |                  |                  |                  |
|                                 |                                |                |                  |                  |                  |                  |

| Model name                      |                                |                | 12kW             | 14kW             | 16kW             |
|---------------------------------|--------------------------------|----------------|------------------|------------------|------------------|
| Model                           | Indoor                         |                | ACHP-H12/5R3HA-I | ACHP-H14/5R3HA-I | ACHP-H16/5R3HA-I |
| IDU Power Supply                | V~,Hz,Ph                       |                | 380-415/3/50     | 380-415/3/50     | 380-415/3/50     |
| IDU Max. Input Consumption      | kW                             |                | 9.09             | 9.09             | 9.09             |
| plate heat exchanger            | Dimension (W*H*D)              | mm             | 331*117*87       | 331*117*87       | 331*117*87       |
|                                 | Heat exchange area             | m <sup>2</sup> | 2.04             | 2.04             | 2.04             |
|                                 | Pump head                      | 9m             |                  |                  |                  |
| water pump                      | Max Flow                       |                | 4.5m3/h          | 4.5m3/h          | 4.5m3/h          |
|                                 | Adapter diameter               | DN25           |                  |                  |                  |
|                                 | Sound Pressure Noise Level     | dB(A)          | 31               | 31               | 31               |
| Indoor Unit                     | Sound Power Noise Level        | dB(A)          | 43               | 43               | 43               |
|                                 | Net Dimension (W*D*H)          | mm             | 420×270×790      | 420×270×790      | 420×270×790      |
|                                 | Packing Dimension (W*D*H)      | mm             | 515×1045×350     | 515×1045×350     | 515×1045×350     |
| Setting water temperature range | Net/Gross Weight               | Kg             | 39/45            | 39/45            | 39/45            |
|                                 | Cooling                        | °C             | 5 ~ 25           | 5 ~ 25           | 5 ~ 25           |
|                                 | Heating                        | °C             | 25 ~ 65          | 25 ~ 65          | 25 ~ 65          |
| Water circuit                   | DHW(tank)                      | °C             | 25 ~ 60          | 25 ~ 60          | 25 ~ 60          |
|                                 | Piping connections             | inch           | R1"              | R1"              | R1"              |
|                                 | Safety valve set pressure      | MPa            | 0.3              | 0.3              | 0.3              |
| Refrigerant Pipe                | Flow switch                    | m³/h           | 0.6              | 0.6              | 0.6              |
|                                 | Drainage pipe connection       | mm             | φ 25             | φ 25             | φ 25             |
|                                 | Expansion tank                 | L              | 8                | 8                | 8                |
| Qty' per 20' & 40' &40HQ        | Capacity of the back-up heater | kW             | 9                | 9                | 9                |
|                                 | Liquid Side                    | mm             | 15.88            | 15.88            | 15.88            |
|                                 | Gas Side                       | mm             | 9.52             | 9.52             | 9.52             |
|                                 | Drainage                       | mm             | DN25             | DN25             | DN25             |
|                                 |                                |                |                  |                  |                  |
|                                 |                                |                |                  |                  |                  |

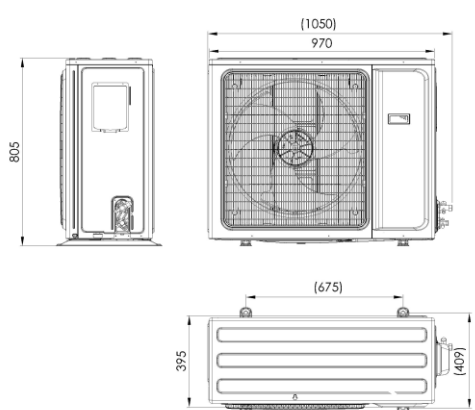
Note: 1. Relevant EU standards and legislation: EN14511; EN14825; EN50564; EN12102; (EU) No 811:2013; (EU) No 813:2013; OJ 2014/C 207/02:2014.  
2. Outdoor air temperature 7°C DB, 85% R.H.; EWT 30°C, LWT 35°C.  
3. Outdoor air temperature 7°C DB, 85% R.H.; EWT 47°C, LWT 55°C.  
4. Outdoor air temperature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

Dimension

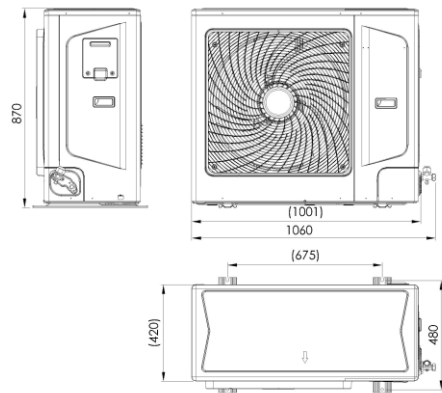
ACHP-H04/4R3HA-O、ACHP-H06/4R3HA-O



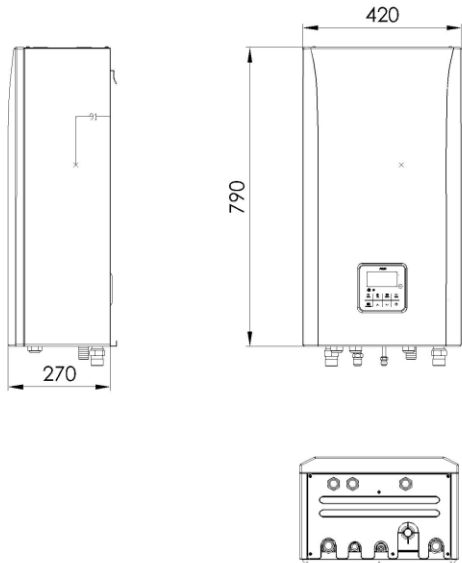
ACHP-H08/4R3HA-O、ACHP-H10/4R3HA-O



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

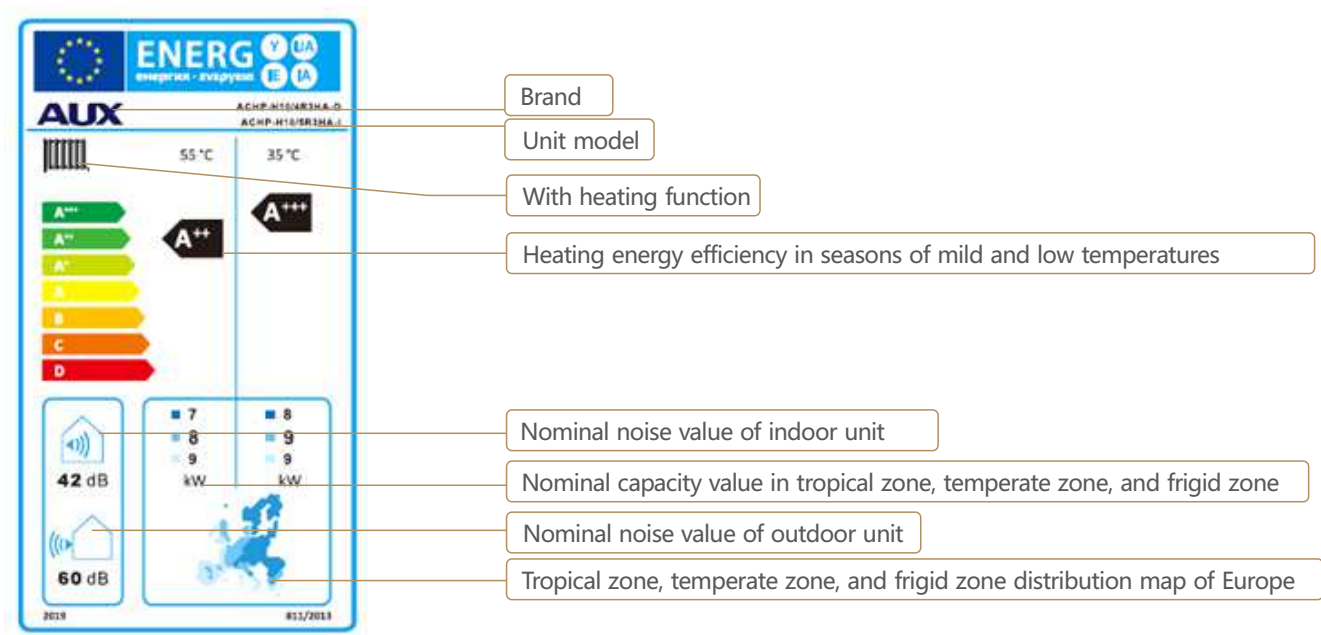


ACHP-H04/4R3HA-I、ACHP-H06/4R3HA-I、ACHP-H08/4R3HA-I、ACHP-H10/5R3HA-I、ACHP-H12/5R3HA-I、ACHP-H14/5R3HA-I、ACHP-H16/5R3HA-I





Overall Solution



- App Control
- High Efficiency
- Wide Operation Range
- 24h Timer
- Weekly Timer
- Holiday Mode
- Multi Language
- Fast DHW
- Multiple Anti-freeze
- Pre-heating
- Combination With Solar
- Combination With Gas Heater

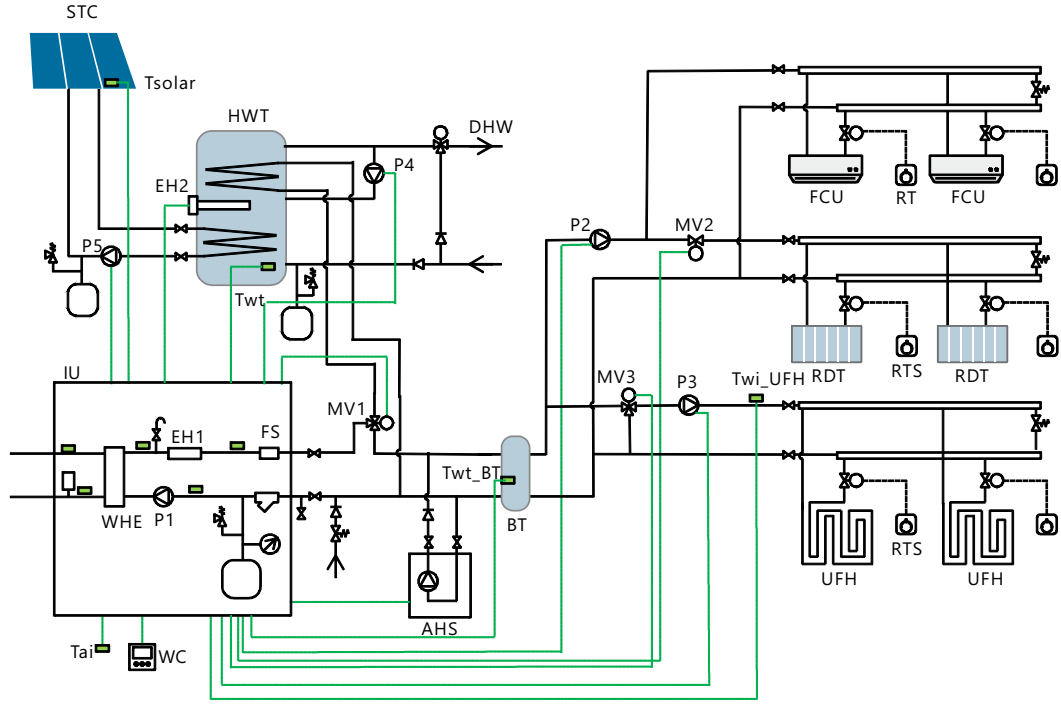
MONOBLOCK

| Model            | Energy efficiency at 35°C |          | Energy efficiency at 55°C |          |
|------------------|---------------------------|----------|---------------------------|----------|
|                  | Energy efficiency value   | A+++/A++ | Energy efficiency value   | A+++/A++ |
| ACHP-H04/4R3HA-M | 4.86                      | A+++     | 3.32                      | A++      |
| ACHP-H06/4R3HA-M | 4.96                      | A+++     | 3.53                      | A++      |
| ACHP-H08/4R3HA-M | 5.22                      | A+++     | 3.37                      | A++      |
| ACHP-H10/5R3HA-M | 5.2                       | A+++     | 3.5                       | A++      |
| ACHP-H12/5R3HA-M | 4.82                      | A+++     | 3.46                      | A++      |
| ACHP-H14/5R3HA-M | 4.71                      | A+++     | 3.48                      | A++      |
| ACHP-H16/5R3HA-M | 4.63                      | A+++     | 3.43                      | A++      |

SPLIT

| Model            | Energy efficiency at 35°C |          | Energy efficiency at 55°C |          |
|------------------|---------------------------|----------|---------------------------|----------|
|                  | Energy efficiency value   | A+++/A++ | Energy efficiency value   | A+++/A++ |
| ACHP-H04/4R3HA-O | 4.86                      | A+++     | 3.32                      | A++      |
| ACHP-H06/4R3HA-O | 4.96                      | A+++     | 3.53                      | A++      |
| ACHP-H08/4R3HA-O | 5.22                      | A+++     | 3.37                      | A++      |
| ACHP-H10/5R3HA-O | 5.2                       | A+++     | 3.5                       | A++      |
| ACHP-H12/5R3HA-O | 4.82                      | A+++     | 3.46                      | A++      |
| ACHP-H14/5R3HA-O | 4.71                      | A+++     | 3.48                      | A++      |
| ACHP-H16/5R3HA-O | 4.63                      | A+++     | 3.43                      | A++      |

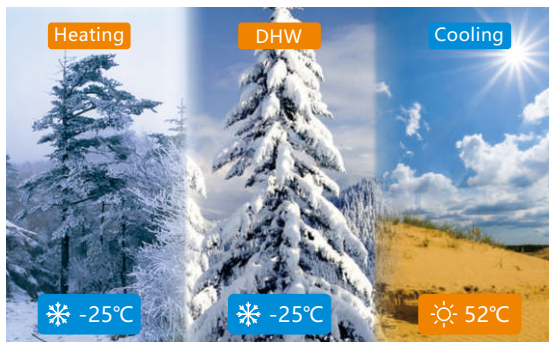
AUX heat pump unit can be linked with water tank electric heating, solar energy, gas furnace, etc., to achieve the electric heating with water tank, water heating with solar energy, and heating with gas furnace.





## Wide operating range

- Inverter compressor, inverter fan, inverter water pump and other technology of full DC-inverter, equipped with electronic expansion valve for accurate adjustment, can ensure the stable operation of heating at  $-25^{\circ}\text{C}$  external ambient temperature and refrigeration at  $52^{\circ}\text{C}$  external ambient temperature.

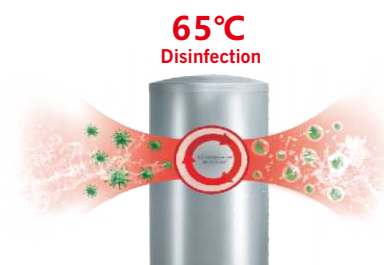
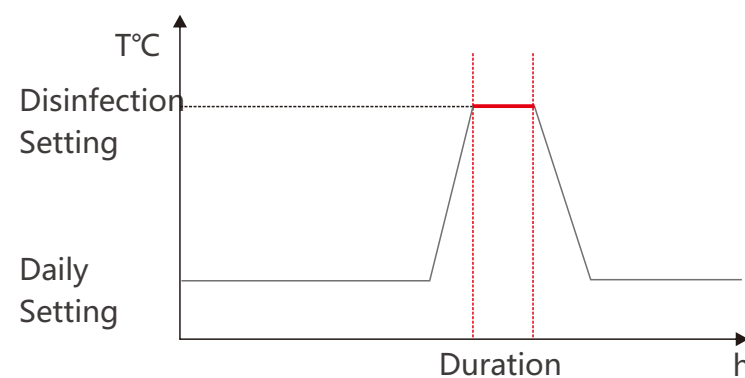


Wide operating ambient temperature range

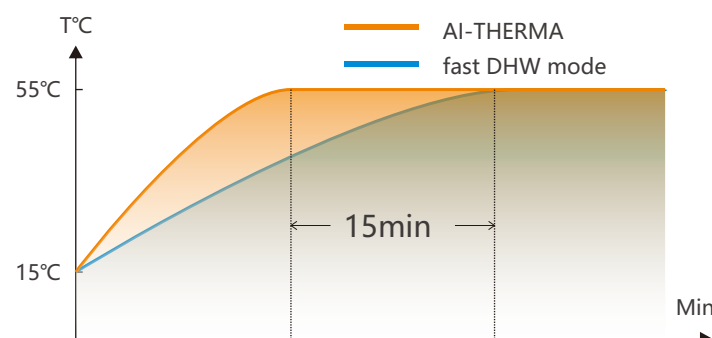


Wide operating water temperature range

- When the heat pump is set to heating mode, the maximum water outlet temperature can reach  $65^{\circ}\text{C}$  by running only the compressor.



- When the heat pump is set to the water heating mode, the maximum water tank temperature can reach  $57^{\circ}\text{C}$  by running only the compressor.



## High energy efficiency

- For the design of condenser with high energy efficiency,

- (1) the advanced three-dimensional dynamic analysis and staggered duct design can reduce wind resistance, improve air volume, and improve heat transfer efficiency;
- (2) the heat exchange pipe of condenser is internal threaded pipe, which increases the heat exchange efficiency by 10%;
- (3) and the hydrophilic anti-corrosion fins further improve the efficiency of heat transfer.

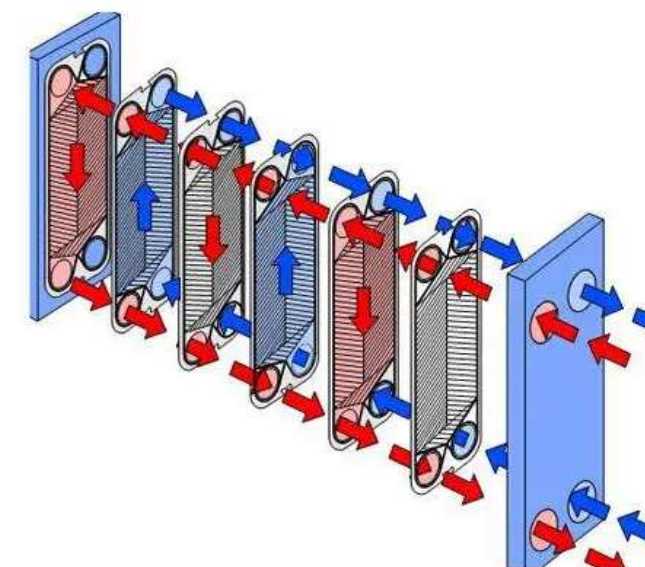


Seasonal efficiency up to A+++



- For the use of plate heat exchanger with high energy efficiency

- It has narrow duct, corrugated plates, and complex interface changes, and can achieve a high heat production efficiency;
- it has compact structure, small volume, and few consumables;
- it has high heat transfer coefficient with heat transfer efficiency up to 85%–90%;
- and it has large flow disturbance, good material for plates, small corrosion, and small fouling coefficient.

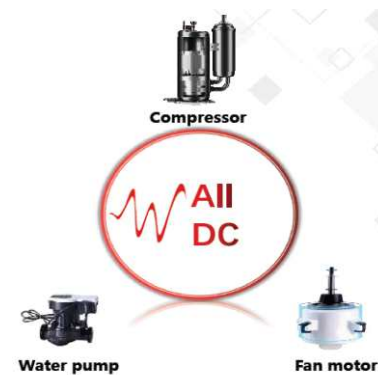




## High reliability – full DC inverter

### ► Full DC inverter design

All the motors of the heat pump adopt full DC inverter technology, which can achieve the rapid start of the heat pump and avoid frequent start and stop, to ensure low noise and high energy efficiency of the heat pump. All the components are from well-known brands, so that the heat pump operation is more reliable.



### ► Inverter compressor

- (1) electrical design with high current and high temperature resistance;
- (2) oil return design in the program, which can effectively solve the oil return problem of the compressor;
- (3) large pressure ratio design of the compressor, which can make the compressor run stably under the condition of high exhaust pressure and low suction pressure;
- (4) E-class insulation of dual-rotor, which makes the compressor run with wider frequency and higher efficiency.



### ► Inverter fan

- (1) DC inverter fan, which can accurately control the speed according to the system operation;
- (2) original built-in drive, which is more efficient and reliable;
- (3) E-class insulation, which makes the fan operation more reliable.



### ► Inverter water pump

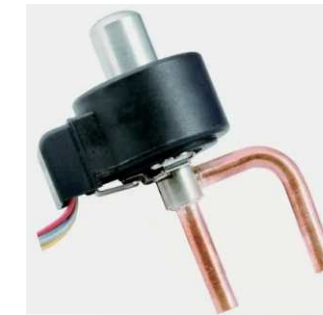
- (1) overall design of controller and motor with compact structure and small installation dimension;
- (2) water pump built-in protection, which can automatically determine whether to shut down to protect the water pump according to the feedback water flow;
- (3) automatic speed adjustment according to water temperature difference, which improves the heat transfer efficiency and the reliability of heat pump system.



## High reliability – others

### ► Electronic expansion valve

The throttle component is electronic expansion valve with wide flow adjustment range, high adjustment precision and mature control procedures, which can make the heat pump run stably under harsh conditions.



### ► Standard chassis heating band

When the heat pump unit runs at low temperature, the standard chassis heating band can control the start and stop of the chassis heating band according to the running state to effectively protect the chassis from icing and realize energy saving.



### ► Built-in anti-freezing low-pressure switch in water module

The anti-freezing low-pressure switch is installed on the gas pipe of plate heat exchanger in the water module, which can protect the plate heat exchanger from freezing and cracking due to over-low pressure during refrigeration.

### ► Oil return design

The mature oil return program can effectively bring the oil discharged from the compressor back to the compressor, which can make the compressor get enough lubrication during operation, improve the reliability of the compressor operation, and improve the energy efficiency of the heat pump.



## low-noise operation

### ► Noise reduction design of fan blade

- (1) unique air guide design to reduce fan noise;
- (2) airfoil blades to improve aerodynamic efficiency and reduce noise.

### ► Linkage between fan speed and compressor frequency

- (1) when the external load is large and the compressor frequency is high, the fan speed is high;
- (2) when the external load is small and the compressor runs at a low frequency, the fan runs at a low speed to effectively reduce the noise of the fan.

### ► Noise reduction design of pipeline

- (1) optimized pipeline structure, which can reduce the flow noise of refrigerant and avoid pipeline vibration noise;
- (2) exhaust pipe equipped with a silencer, which can reduce the flow noise of exhaust refrigerant.

### ► Two-level mute control

- level 1 mute: low limits on compressor frequency and fan speed, little influence, and low effect;
  - level 2 mute: high limits on compressor frequency and fan speed, great influence, and great effect.
- Users can choose the level of mute according to actual needs.



## function description—important parts

### ► Inverter control of water pump in water module

The water pump in the water module can automatically adjust the operating frequency according to the capacity of the heat pump, so that the temperature difference between the inlet and outlet of the water module is kept within a reasonable range.

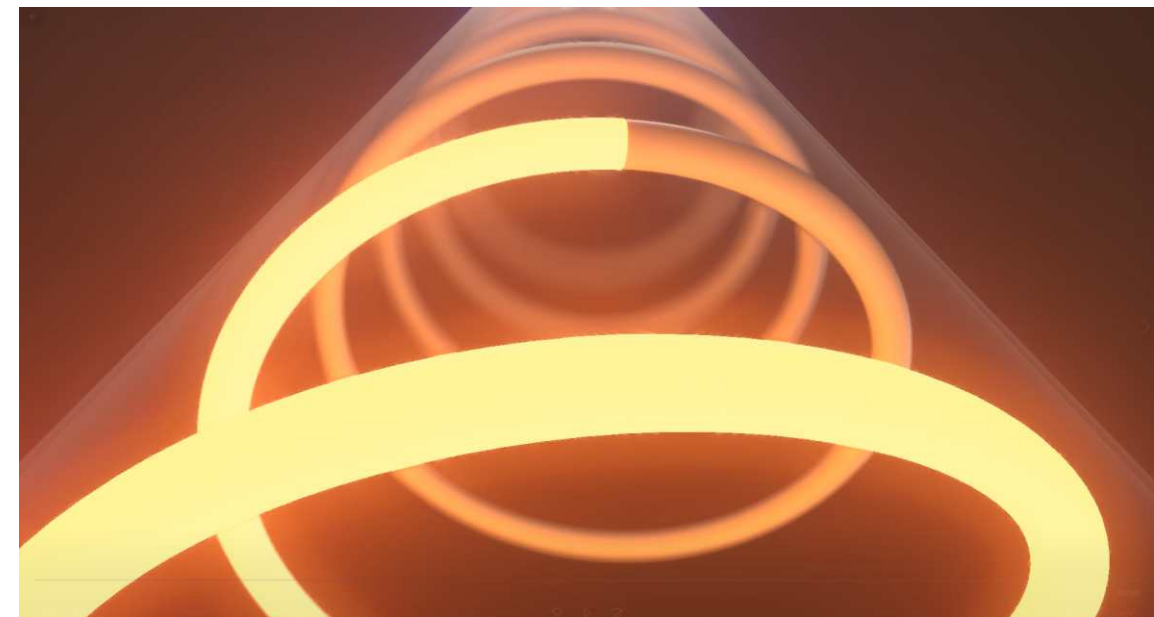
This ensures the highest heat transfer efficiency of the heat pump while giving customers the most comfortable experience.

### ► Separation control of electric heating

Electric heating is divided into 3 KW/9 KW control. According to the heat pump operating time, water temperature and other parameters, automatic control of the start, stop and gear of electric heating can not only avoid the water temperature failure to reach the set temperature for a long time and too high temperature, but also avoid the frequent start and stop of compressor, electric heating, etc.

### ► Electric heating of water tank controlled by water module

When water tank with electric heating is equipped, the water module can control the start and stop of the electric heating of the water tank as a supplement to the water heating capacity of the heat pump.



# function introduction – health and comfort

## ► Fast water heating

When the user is in urgent need of hot water, the fast water heating can be started to run the heat pump, electric heating of the water tank and other parts in water heating mode in operation, accelerate the heating rate of domestic water, and meet the user's hot water demand.



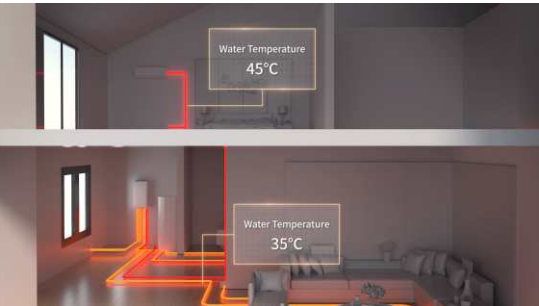
## ► Water tank disinfection

The heat pump will enable the water tank disinfection at a fixed time every week. The water will be heated to 65°C and kept for 15 minutes, which can achieve 99.99% sterilization rate.



## ► Two-heater control

When the indoor terminal heat dissipation contains two or more types (example: floor heating + radiator), the radiator requires high water temperature, and the floor heating requires low water temperature. In order to meet the requirements of different terminals on water temperature, the two-heater control can be enabled to meet the requirements of different terminals on water temperature.



## ► Adaptive water temperature (ECO)

The heat pump automatically adjusts the outlet water temperature of the water module according to the external ambient temperature, avoiding energy waste caused by high water temperature and too high or too low indoor temperature caused by unreasonable water temperature settings. Energy saving can also be achieved through reasonable control of water temperature.



## ► Emergency function

If the outdoor unit fails, the water module can run separately to meet the user's demand for heating or domestic hot water.



## ► Timing function

With a maximum of 99 groups of timing, each group can be independently selected whether to enable the air conditioner and water heating:  
 (1) with the air conditioner, you can select the operation mode: cooling mode or heating mode, set the operation start time and end time, and set the temperature;  
 (2) with the water heating mode, you can set the operation start time and end time, set the water tank temperature, etc.

# function introduction – intelligent operation

## ► Smart grid

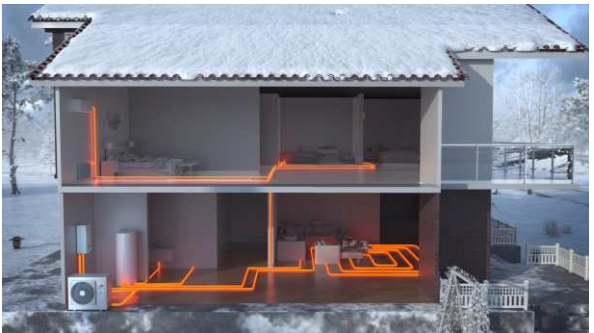
DC variable frequency compressor adopts 180 Hz, significantly improves the energy efficiency



| Type | Signal 1 (SG) | Signal 2 (EVU) | Running State            |
|------|---------------|----------------|--------------------------|
| 1    | OFF           | OFF            | Restricted operation     |
| 2    | ON            | OFF            | Normal operation         |
| 3    | OFF           | ON             | Energy storage operation |
| 4    | ON            | ON             | Energy storage operation |

## ► Function for vacation

DC variable frequency compressor adopts 180 Hz, significantly improves the energy efficiency



# function introduction – intelligent operation

## ► WiFi

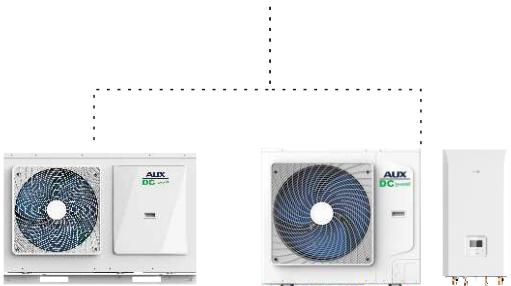
DC variable frequency compressor adopts 180 Hz, significantly improves the energy efficiency



- APP
- Smart grid
- Automatic water temperature
- Centralized control

## ► Centralized control

DC variable frequency compressor adopts 180 Hz, significantly improves the energy efficiency





# VRF-System

## ► Selling point



Efficiency



High  
reliability



Wide  
running  
(-30~55)



Adjustab  
static  
pressure



Whole  
process  
solution

## ► Authentication





## Energy Saving



### 180° Sine Wave Control

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



### Full Process By DC Drive

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



### Sleep Mode

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



### Hydrophilic aluminum fin

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

## Convenience



### 24-hour Timer

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



### Digital Tube Display

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



### Central Control

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



### Auto Restart Function

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



### Built-in Drain Pump

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



### Remote Control

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



### WIFI Control

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



### Dual side Drainage

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



### Wired Control

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



### Washable Filter

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

## Health



### Fresh Air Intake

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



### Long-term Filter

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

## Comfort



### Anti-Cold-Air

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



### Auto swing

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



### Dimmer

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



### Follow Me

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



### Independent Dehumidification

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



### Silent

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



### Fast Cooling /Heating

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



### 3D Air Flow

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

## Reliability



### Self-diagnosis Function

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



### Compressor Heating Belt

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



### Fire-proof Electric Box

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



### Low Ambient Cooling

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



### No Frosting Chassis

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



### Intelligent Defrosting

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



### Golden Fin

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



Nomenclature

Indoor Unit

ARV-CA-H028/4R1A

Design Series Code

Refrigerant Type:  
R1: R410A.

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

Cooling Capacity (×100W)

H: Cooling & Heating

Indoor Unit Type:  
C1: One-Way Cassette  
CA: Four-Way Cassette  
SD: Slim Duct  
HD: High ESP Duct  
FA: Fresh Air Processor

AUX Refrigerant Variable AC

R22 Omitted

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

C: Cooling Only

C2: Two-Way Cassette  
CF: Ceiling&Floor  
MD: Mid ESP Duct  
WM: Wall-Mounted

Outdoor Unit

ARV-T-H280/4R1MA

Design Series Code

M: Modular Outdoor Unit

Refrigerant Type:  
R1: R410A.

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

Cooling Capacity (×100W)

H: Cooling & Heating

Climate Class:  
T: Tropical High Efficiency Type

AUX Refrigerant Variable AC

Non- Modular Omitted

R22 Omitted

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

C: Cooling Only

ARV 6 Series  
-All DC Inverter ARV System



| Capacity | (kW) | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 25.2 | 28 | 33.5 | 40 | 45 | 50.4 | 56 | 61.5 |
|----------|------|---|----|----|----|----|----|----|----|------|----|------|----|----|------|----|------|
|----------|------|---|----|----|----|----|----|----|----|------|----|------|----|----|------|----|------|

ARV 6





# VER Technology

## Variable Energy-efficiency Regulation

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

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

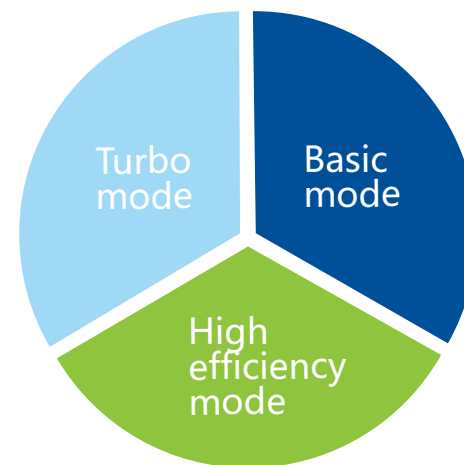
Cooling: 3 modes with different evaporating temperature.

Heating: 3 modes with different condensing temperature.

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

**Basic mode**  
Default mode, balance the reaction speed and efficiency.

**High efficiency mode**  
Satisfy the lowest capacity requirement and low the energy consumption.



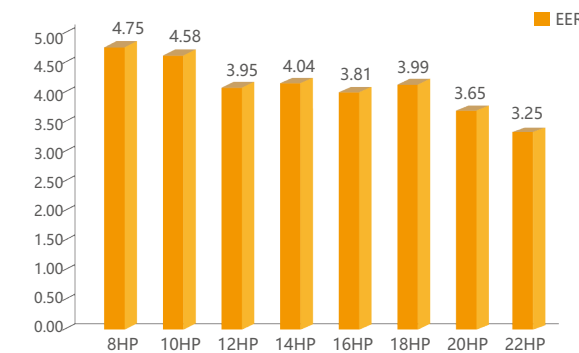
Users can choose a certain mode according to the actual need in different area and climate, so that the system can satisfy various requirement, and the seasonal efficiency can be optimized.

# High Efficiency and Energy Saving

## ► High EER And COP

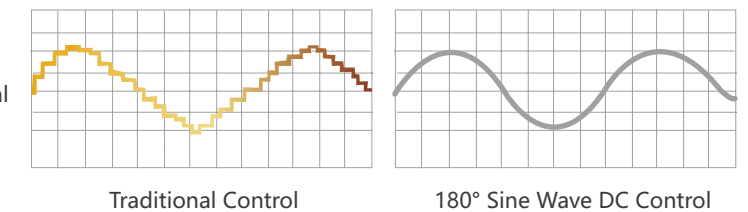
ARV 6 Series achieves the industry's top class energy efficiency in cooling and heating by utilizing all DC inverter compressors, and Enhanced vapor injection.

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



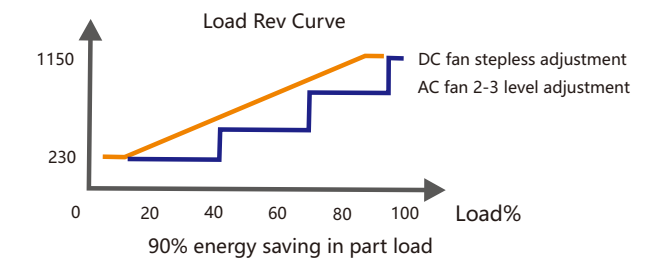
## ► 180° Sine Wave Control

DC inverter compressor 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.



## ► DC Brushless Fan Motor

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





Enhanced Vapor Injection DC Inverter Compressor

EVI-Enhanced vapor injection

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

Optimize the asymmetric vortex design

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

Dynamic oil balance structure

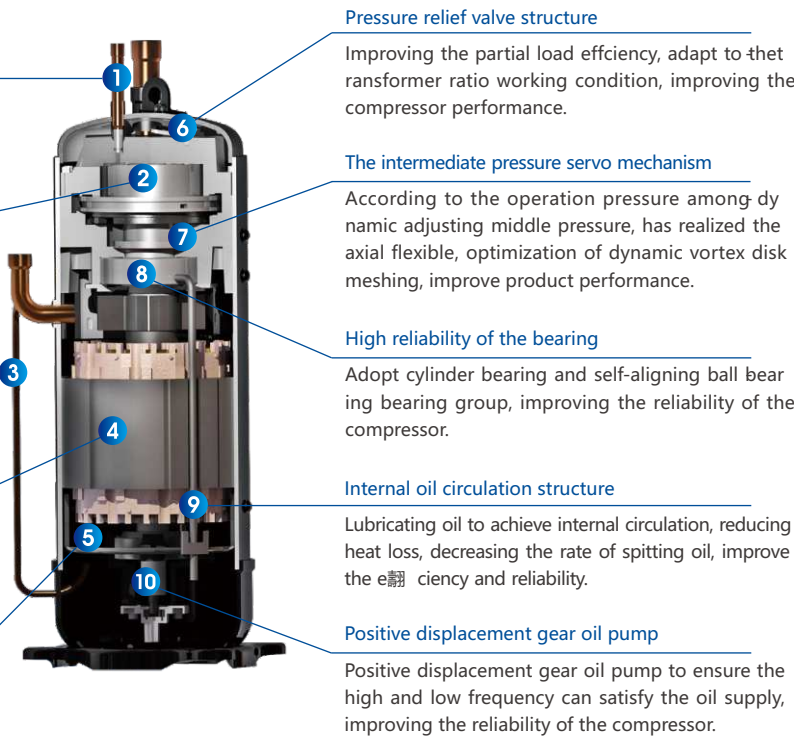
Oil balance tube implementation parallel compressor and oil quantity dynamic equilibrium, ensuring the reliability of several parallel compressors.

High efficiency motor configuration

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

High pressure cavity structure

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



Pressure relief valve structure

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

The intermediate pressure servo mechanism

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

High reliability of the bearing

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

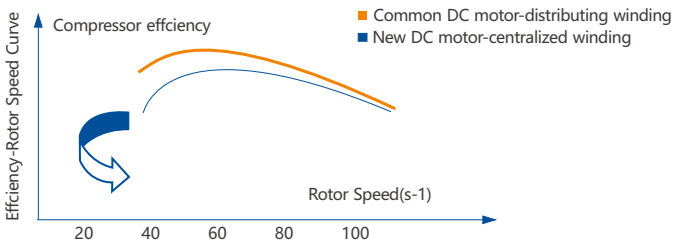
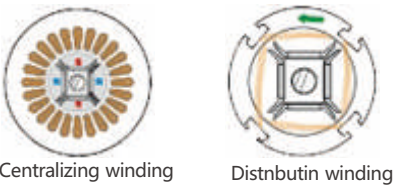
Internal oil circulation structure

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

Positive displacement gear oil pump

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

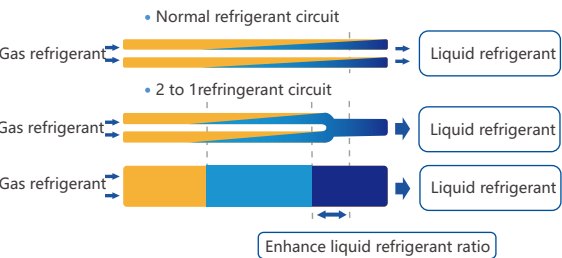
► High-efficient permanent magnetic motors are installed, giving better performance than traditional DC inverter compressors.



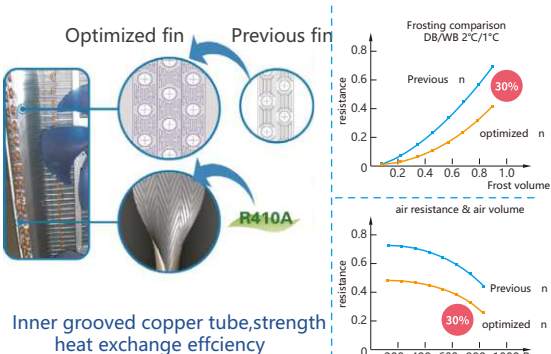
Powerful magnets provide high torque and efficiency and achieve 70% reduction in volume

► High Efficient Heat Exchanger

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

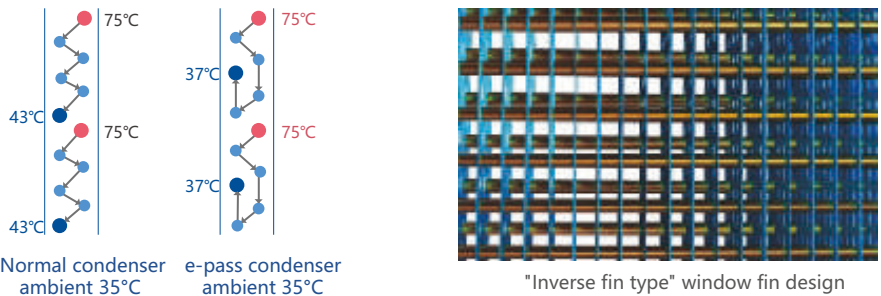


► Optimized fin design, reduces the water resistance and the wind resistance.

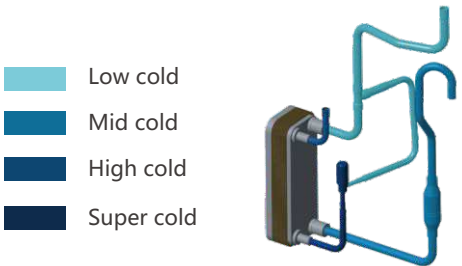


► 2-stage Sub-cooling Technology

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



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



► 4-times Anticipation Energy-saving Control Technology

Module anticipation energy-saving control technology

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



Compressor anticipation energy-saving adjustment technology

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



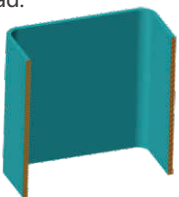
Fan anticipation energy-saving adjustment technology

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



Refrigerant anticipation energy-saving technology adjustment

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



## Wide Application Range

### ► Large Capacity&Free Combination

8 basic models from 8HP to 22HP.  
Maximum combination: 88HP(246kW), top level in industry.  
Less quantity of system, space saving, easy installation and low cost.



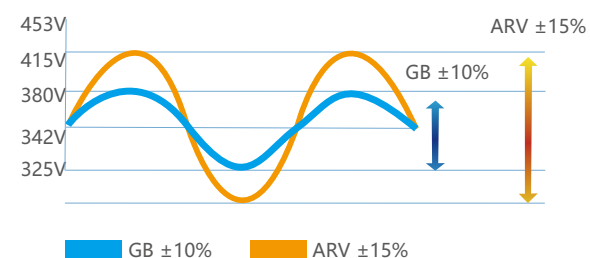
### ► Wide Operation Range

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



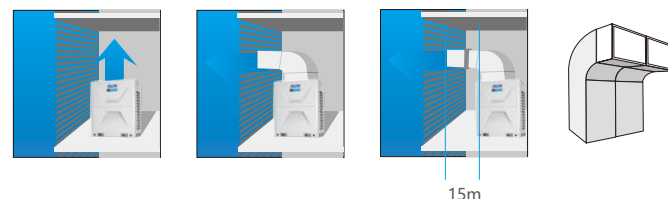
### ► Wide Voltage Design

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



### ► Changeable ESP

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

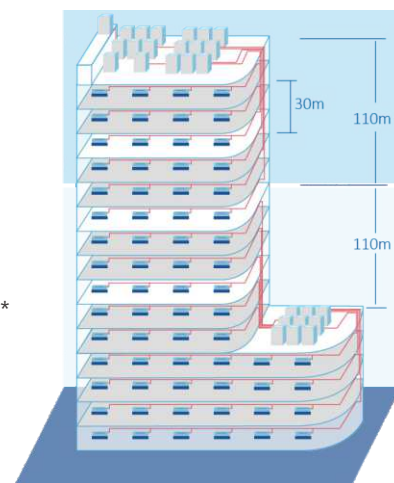


### ► Long Piping Length

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

Max. Total piping length — 1000m  
Max.piping length between ODU and farthest IDU — 200m  
Max. piping length from 1st indoor branch to the farthest indoor unit — 40m/90m\*  
Max. Level difference between indoor units — 30m  
Max. Level difference between ODU and IDU units — 110m/130m

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

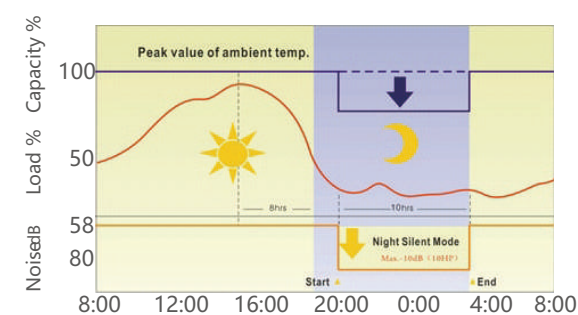


## Comfortable And Healthy Environment

### ► Silence Operation

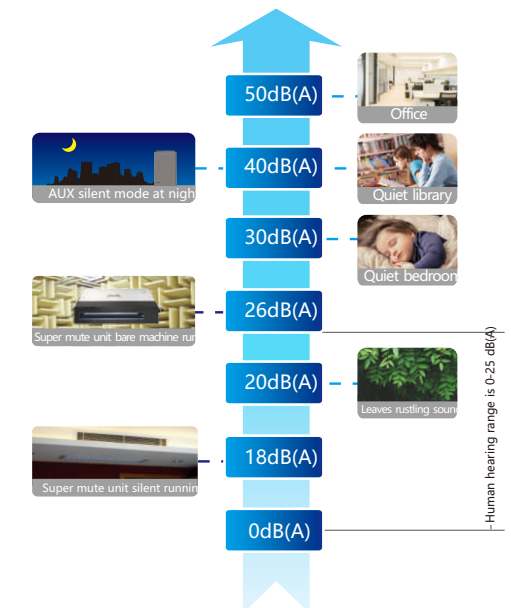
#### Outdoor Unit Quiet Mode

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



#### Indoor Unit Quiet Mode

Innovative centrifugal fan for large diameter and a new design of the spiral duct system equipped with high-quality motor at the same time, making the air supply more quietly and smoothly.

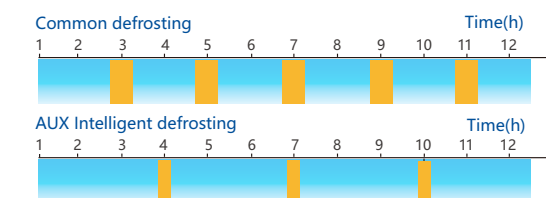


### ► Intelligent Defrosting

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

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

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

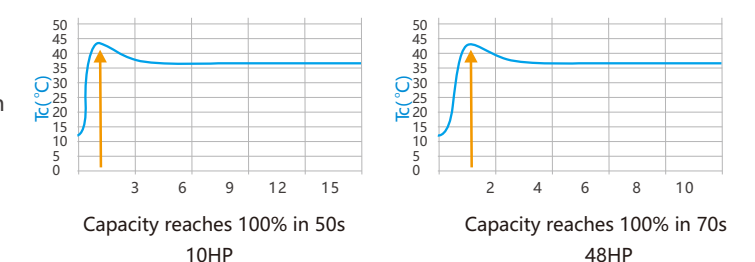


Normal air conditioner

ARV 6

### ► Fast Warm Up And Cool Down

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



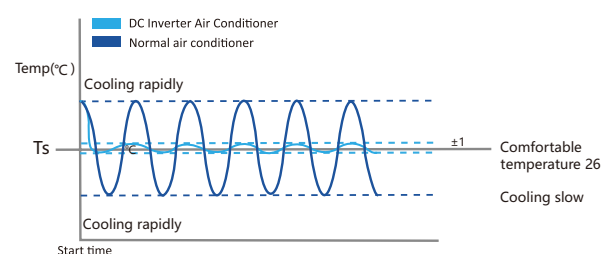
Capacity reaches 100% in 50s  
10HP

Capacity reaches 100% in 70s  
48HP

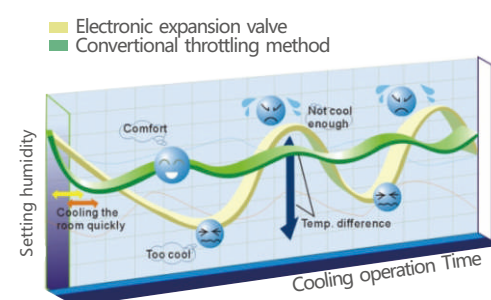


## ► Precise Temperature Control

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



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



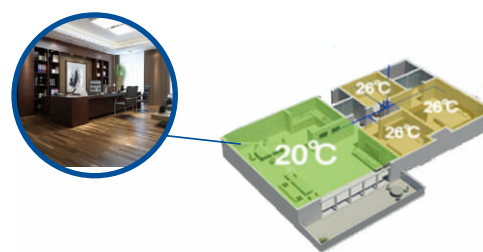
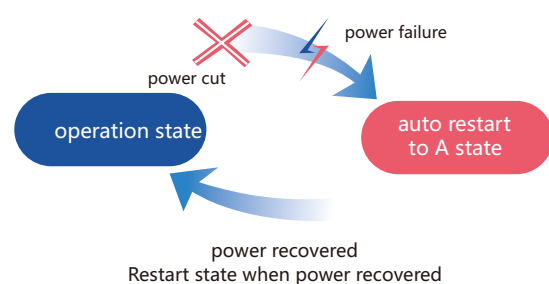
## ► Humanization Design

### VIP Function

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

### Auto Restart Function

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



### Economic Locking Function

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



# Easy Installation & Maintenance

## ► Saving Installation Space

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



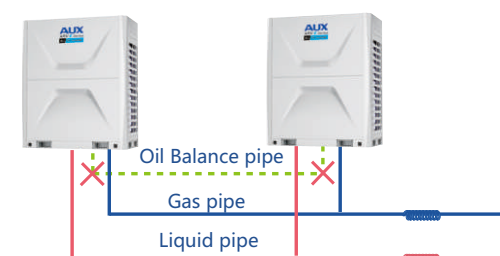
22HP: Required Space Reduced by 44%



88HP: Required Space Reduced by 36%

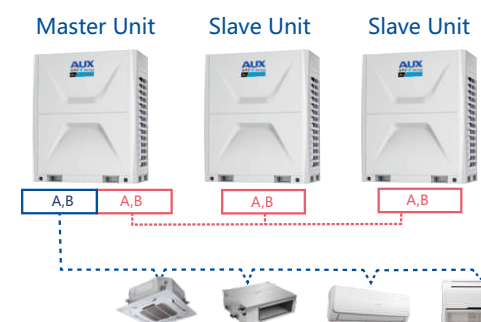
## ► No Oil Balance Pipe Between ODUS

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



## ► Non-Polar Communication

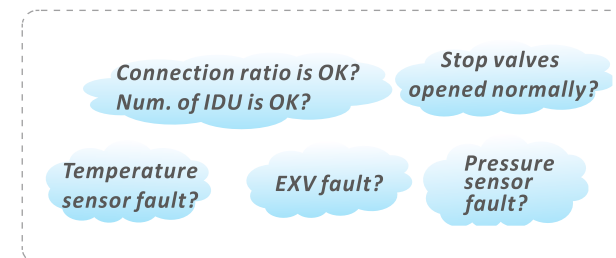
Non-polar communication between IDUs, easy installation and commissioning.



## ► Auto Commissioning

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

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



## ► Auto Refrigerant Recycling & Auto Refrigerant Charging

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

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



### ► One Button Test Run

Press the button lightly once in the 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-per formance.



### ► Black BOX Function

Using aviation grade Black BOX technique, memorizing operation parameters before the failure, finding fault -infor mation quickly, as an accurate, efficient maintenance - ser vices to provide valuable information, maintenance more convenient



### ► 360° Pipe-connecting Mode

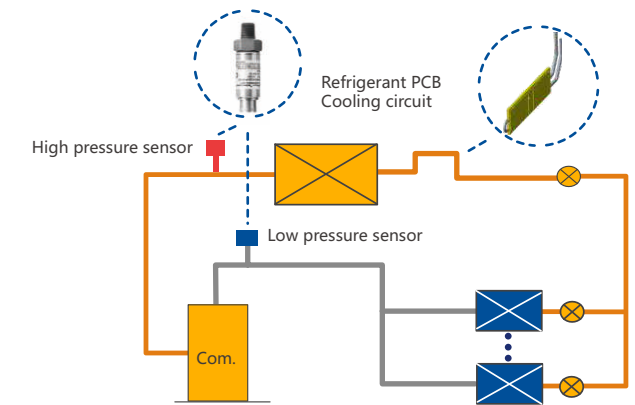
ARV- 6 series can be on the front, left side, right side to choose pipe-connecting direction freely, it' s easy-to in stall.



## Reliable & Stable

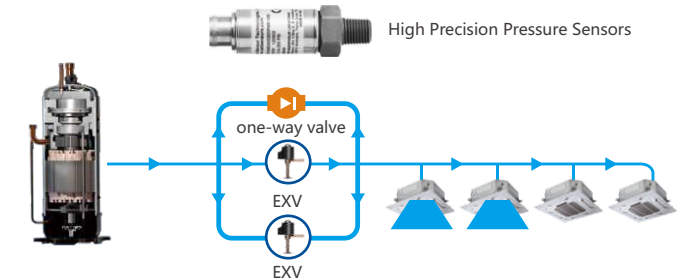
### ► Refrigerant PCB Cooling System

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

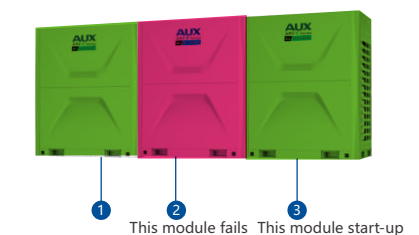
In one combination system,any module could run as the master unit according to the running time.Balance the life of the outdoor units in one system.



### ► 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 nor mally.





► All-round Protection

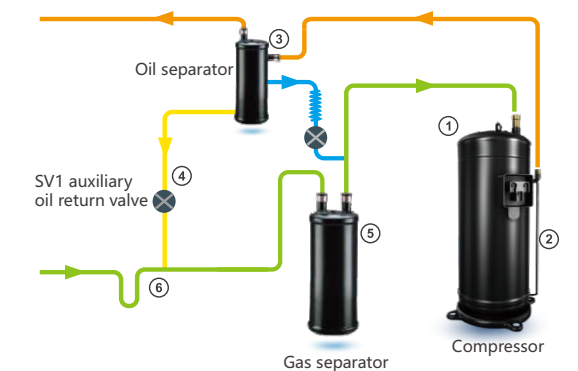


► Oil Return Control Technology

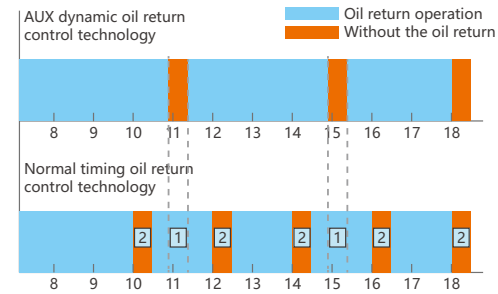
**Dynamic Oil Return Control Technology**  
Monitor compressor running state and running time, computing system reasonable oil return time.

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

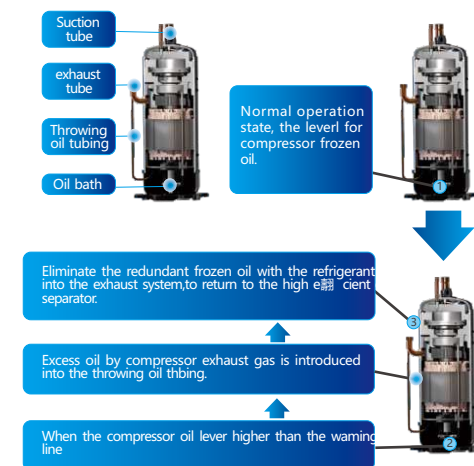
**Compressor Throwing Oil Technology**  
When the compressor oil level higher than the warning line, system through tubing eliminate redundant frozen oil, keep the oil balance between compressor.



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



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



## Outdoor Units

## ARV 6 Series



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

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

Specification

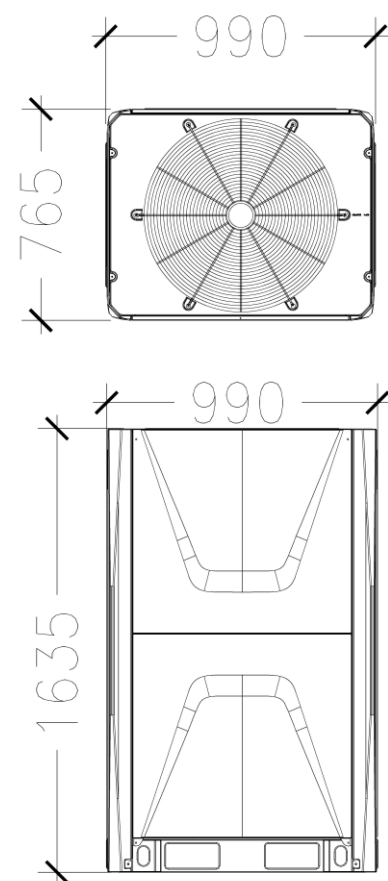
| Model                  | Outdoor                     |          | ARV-H250/SR1MV  | ARV-H280/SR1MV  | ARV-H330/SR1MV  | ARV-H400/SR1MV  |
|------------------------|-----------------------------|----------|-----------------|-----------------|-----------------|-----------------|
| Power Supply           |                             | V~,Hz,Ph | 380~415,50/60,3 | 380~415,50/60,3 | 380~415,50/60,3 | 380~415,50/60,3 |
| Cooling                | Capacity                    | kW       | 25.2            | 28              | 33.5            | 40              |
|                        | Input                       | kW       | 5.31            | 6.11            | 8.48            | 9.90            |
|                        | Current                     | A        | 8.49            | 9.77            | 13.56           | 15.83           |
|                        | EER                         | W/W      | 4.75            | 4.58            | 3.95            | 4.04            |
| Heating                | Capacity                    | kW       | 25.2            | 28.0            | 33.5            | 40.0            |
|                        | Max Cap                     | kW       | 28.0            | 31.5            | 37.5            | 45.0            |
|                        | Input                       | kW       | 4.60            | 5.23            | 6.38            | 8.25            |
|                        | Current                     | A        | 7.36            | 8.36            | 10.20           | 13.19           |
|                        | COP                         | W/W      | 5.48            | 5.35            | 5.25            | 4.85            |
| Max. Input Consumption |                             | kW       | 11              | 11.7            | 13.20           | 18.50           |
| Max. Current           |                             | A        | 18              | 18.7            | 21.10           | 29.50           |
| Circuit breaker        |                             | A        | 32              | 32              | 40              | 50              |
| DC Inv.Compressor      | Quantity                    |          | 1               | 1               | 1               | 1               |
|                        | Type                        |          | DC Inv          | DC Inv          | DC Inv          | DC Inv          |
| Outdoor Fan Motor      | Type                        |          | DC Inv          | DC Inv          | DC Inv          | DC Inv          |
|                        | Output Power x Fan quantity | W        | 750             | 750             | 750             | 450×2           |
| Air Flow Volume        |                             | m³/h     | 12000           | 12000           | 12000           | 14000           |
| Noise Level            |                             | dB(A)    | 43~58           | 43~58           | 43~58           | 43~61           |
| 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/Gross                   | kg       | 215/225         | 215/225         | 230/240         | 265/280         |
|                        | Liquid Side                 | mm       | φ 12.7          | φ 12.7          | φ 12.7          | φ 15.88         |
| Refrigerant Piping     | Gs Side                     | mm       | φ 22.2          | φ 22.2          | φ 22.2          | φ 28.6          |
|                        | Max. Length                 | m        | 1000            | 1000            | 1000            | 1000            |
|                        | Max. Height                 | m        | 110/130         |                 |                 |                 |
| Operation range        | Cooling                     | ℃        | -15~55          | -15~55          | -15~55          | -15~55          |
|                        | Heating                     | ℃        | -30~24          | -30~24          | -30~24          | -30~24          |
| Stuffing Quantity      | 20/40/40H                   | Unit     | 14/28/28        | 14/28/28        | 14/28/28        | 11/22/22        |

| Model                  | Outdoor                     |          | ARV-H450/SR1MV  | ARV-H500/SR1MV  | ARV-H560/SR1MV  | ARV-H610/SR1MV  |
|------------------------|-----------------------------|----------|-----------------|-----------------|-----------------|-----------------|
| 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                | Capacity                    | kW       | 45              | 50.4            | 56              | 61.5            |
|                        | Input                       | kW       | 11.82           | 12.63           | 15.34           | 18.90           |
|                        | Current                     | A        | 18.90           | 20.20           | 24.53           | 30.23           |
|                        | EER                         | W/W      | 3.81            | 3.99            | 3.65            | 3.25            |
| Heating                | Capacity                    | kW       | 45.0            | 50.4            | 56.0            | 61.5            |
|                        | Max Cap                     | kW       | 50.0            | 56.5            | 63.0            | 69.0            |
|                        | Input                       | kW       | 9.78            | 11.69           | 13.83           | 15.44           |
|                        | Current                     | A        | 15.64           | 18.70           | 22.12           | 24.69           |
|                        | COP                         | W/W      | 4.60            | 4.31            | 4.05            | 3.98            |
| Max. Input Consumption |                             | kW       | 19.20           | 26.10           | 26.60           | 27.40           |
| Max. Current           |                             | A        | 30.60           | 38.50           | 39.30           | 40.60           |
| Circuit breaker        |                             | A        | 50              | 63              | 63              | 63              |
| DC Inv.Compressor      | Quantity                    |          | 1               | 2               | 2               | 2               |
|                        | Type                        |          | DC Inv          | DC Inv          | DC Inv          | DC Inv          |
| Outdoor Fan Motor      | Type                        |          | DC Inv          | DC Inv          | DC Inv          | DC Inv          |
|                        | Output Power x Fan quantity | W        | 450×2           | 450×2           | 450×2           | 450×2           |
| Air Flow Volume        |                             | m³/h     | 14000           | 16000           | 16000           | 16000           |
| Noise Level            |                             | dB(A)    | 43~61           | 43~63           | 43~63           | 43~63           |
| 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/Gross                   | kg       | 265/280         | 330/345         | 330/345         | 330/345         |
|                        | Liquid Side                 | mm       | φ 15.88         | φ 15.88         | φ 15.88         | φ 15.88         |
| Refrigerant Piping     | Gs Side                     | mm       | φ 28.6          | φ 28.6          | φ 28.6          | φ 28.6          |
|                        | Max. Length                 | m        | 1000            | 1000            | 1000            | 1000            |
|                        | Max. Height                 | m        | 110/130         |                 |                 |                 |
| Operation range        | Cooling                     | ℃        | -15~55          | -15~55          | -15~55          | -15~55          |
|                        | Heating                     | ℃        | -30~24          | -30~24          | -30~24          | -30~24          |
| Stuffing Quantity      | 20/40/40H                   | Unit     | 11/22/22        | 11/22/22        | 11/22/22        | 11/22/22        |

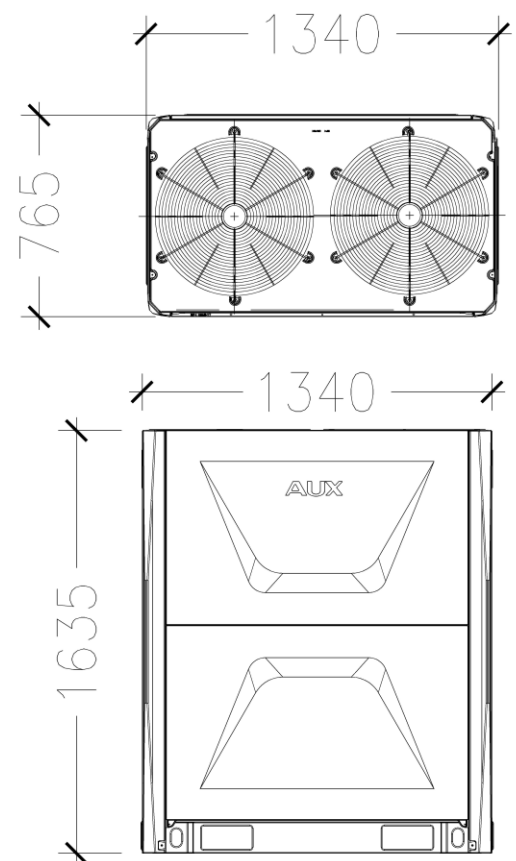
Remark:The above designs and specifications are subject to change without prior notice.  
Version2019

Dimension

ARV-H250/SR1MV、ARV-H280/SR1MV  
ARV-H330/SR1MV



ARV-H400/SR1MV、ARV-H450/SR1MV  
ARV-H500/SR1MV、ARV-H560/SR1MV  
ARV-H610/SR1MV







## Outdoor Units

# ARV Mini Series

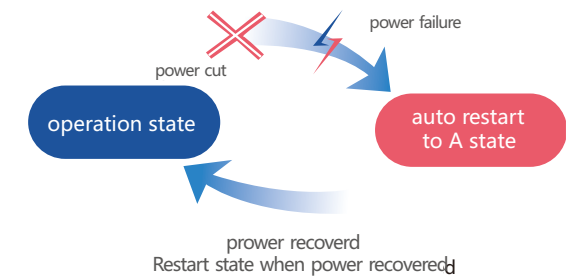


### ► DC Inverter Compressor

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

### ► Auto Restart Function

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



### ► Fast Cooling/Heating Technology

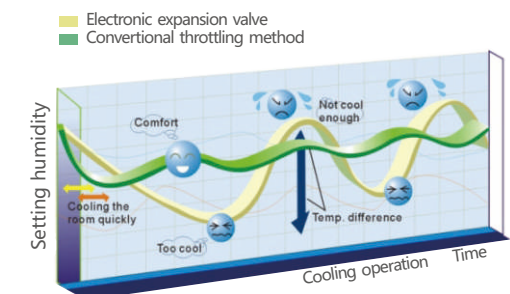
The DC Inverter Compressor system reaches full load rapidly providing less temperature fluctuation and an improved living environment, bringing great user experience.

### ► EUROVENT CERTITA CERTIFICATION



### ► 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.



# Mini VRF Outdoor Unit

| Capacity(kw) | 8 | 10 | 12 | 14 | 16 | 22 | 26 |
|--------------|---|----|----|----|----|----|----|
|--------------|---|----|----|----|----|----|----|

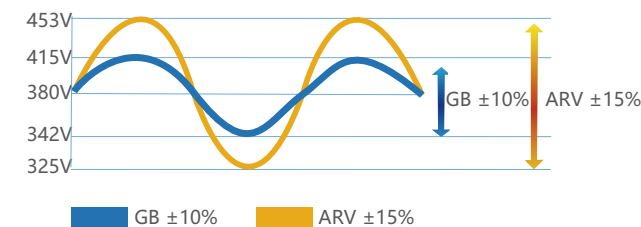
|          |                                                                                     |   |   |   |   |   |   |
|----------|-------------------------------------------------------------------------------------|---|---|---|---|---|---|
| ARV Mini |  | • | • | • | • | • | • |
|----------|-------------------------------------------------------------------------------------|---|---|---|---|---|---|

► Flexible And Diversified Matching Of Indoor And Outdoor Unit

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

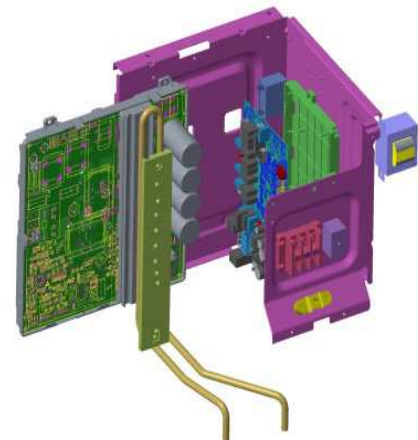
► Wide Voltage Design

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



► Refrigerant PCB Cooling Technology

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



► 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.



Specification

| Model              |                 |          | ARV-H080/NR1    | ARV-H100/NR1    | ARV-H120/NR1    | ARV-H140/NR1    |
|--------------------|-----------------|----------|-----------------|-----------------|-----------------|-----------------|
| 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 |
|                    | Capacity        | kW       | 8.0             | 10.0            | 12.3            | 14.0            |
| Cooling            | Input           | kW       | 2.30            | 3.00            | 3.25            | 3.95            |
|                    | EER             | W/W      | 3.48            | 3.33            | 3.78            | 3.54            |
|                    | SEER            | W/W      | 6.20            | 6.10            | 6.10            | 6.10            |
|                    | Rated current   | A        | 10.10           | 13.20           | 14.30           | 17.30           |
|                    | Capacity        | kW       | 9               | 11.5            | 13.2            | 16.0            |
| Heating            | COP             | W/W      | 3.75            | 3.59            | 3.87            | 3.95            |
|                    | SCOP            | W/W      | 4.20            | 4.10            | 4.10            | 4.00            |
|                    | Input           | kW       | 2.40            | 3.20            | 3.41            | 4.05            |
|                    | Rated current   | A        | 10.50           | 14.00           | 15.00           | 17.80           |
| DC Inv. Compressor | Type            | /        | Rotary          | Rotary          | Rotary          | Rotary          |
|                    | Quantity        | /        | 1               | 1               | 1               | 1               |
| Outdoor Fan Motor  | Type            | /        | DC Inv          | DC Inv          | DC Inv          | DC Inv          |
|                    | Quantities      | /        | 1               | 1               | 2               | 2               |
| Outdoor Fan        | Material        | /        | wolong          | wolong          | Plastic         | Plastic         |
|                    | Type            | /        | Axial           | Axial           | Axial           | Axial           |
|                    | Fan Quantity    | /        | 1               | 1               | 2               | 2               |
| Air Flow Volume    |                 | m³/h     | 4154            | 4154            | 7200            | 7200            |
| Noise Level        |                 | dB(A)    | 56              | 56              | 57              | 57              |
| Dimension(W×D×H)   | Net             | mm       | 970×800×370     | 970×800×370     | 940×340×1320    | 940×340×1320    |
|                    | Packing         | mm       | 1105×495×890    | 1105×495×890    | 1080×430×1440   | 1080×430×1440   |
| Weight             | Net/Gross       | kg       | 66/71           | 66/71           | 92/102          | 92/102          |
|                    | Liquid Side     | mm       | 9.52(3/8)       | 9.52(3/8)       | 9.52(3/8)       | 9.52(3/8)       |
| Refrigerant Piping | Gas Side        | mm       | 15.88 ( 5/8 )   | 15.88 ( 5/8 )   | 15.88 ( 5/8 )   | 15.88 ( 5/8 )   |
|                    | Max. Length     | m        | 100             | 100             | 150             | 150             |
|                    | Max. Heighth    | m        | 50              | 50              | 50              | 50              |
|                    | Operation range | °C       | -15~49          | -15~49          | -15~49          | -15~49          |
| Stuffing Quantity  | Heating         | °C       | -15~27          | -15~27          | -15~27          | -15~27          |
|                    | 20/40/40H       | Unit     | 44/92/138       | 44/92/138       | 27/55/55        | 27/55/55        |

| Model              |                 |          | ARV-H160/NR1    | ARV-H120/SR1DCS7 | ARV-H140/SR1DCS7 |
|--------------------|-----------------|----------|-----------------|------------------|------------------|
| Power Supply       |                 | V~,Hz,Ph | 220~240,50/60,1 | 380~415,3N~50/60 | 380~415,3N~50/60 |
|                    | Capacity        | kW       | 16.0            | 12.3             | 14.0             |
| Cooling            | Input           | kW       | 4.80            | 3.25             | 4.11             |
|                    | EER             | W/W      | 3.33            | 3.78             | 3.41             |
|                    | SEER            | W/W      | 6.10            | 6.10             | 6.10             |
|                    | Rated current   | A        | 21.10           | 5.09             | 6.44             |
|                    | Capacity        | kW       | 18.0            | 14.0             | 16.0             |
| Heating            | COP             | W/W      | 3.75            | 4.11             | 3.90             |
|                    | SCOP            | W/W      | 4.00            | 4.10             | 4.00             |
|                    | Input           | kW       | 4.80            | 3.41             | 4.10             |
|                    | Rated current   | A        | 21.10           | 5.34             | 6.42             |
| DC Inv. Compressor | Type            | /        | Rotary          | Rotary           | Rotary           |
|                    | Quantity        | /        | 1               | 1                | 1                |
| Outdoor Fan Motor  | Type            | /        | DC Inv          | DC Inv           | DC Inv           |
|                    | Quantities      | /        | 2               | 2                | 2                |
| Outdoor Fan        | Material        | /        | Plastic         | Plastic          | Plastic          |
|                    | Type            | /        | Axial           | Axial            | Axial            |
|                    | Fan Quantity    | /        | 2               | 2                | 2                |
| Air Flow Volume    |                 | m³/h     | 7200            | 7200             | 7200             |
| Noise Level        |                 | dB(A)    | 57              | 56               | 57               |
| Dimension(W×D×H)   | Net             | mm       | 940×340×1320    | 940×340×1320     | 940×340×1320     |
|                    | Packing         | mm       | 1080×430×1440   | 1080×430×1440    | 1080×430×1440    |
| Weight             | Net/Gross       | kg       | 96/106          | 101/111          | 103/113          |
|                    | Liquid Side     | mm       | 9.52(3/8)       | 9.52(3/8)        | 9.52(3/8)        |
| Refrigerant Piping | Gas Side        | mm       | 19.05 ( 3/4 )   | 19.05 ( 3/4 )    | 19.05 ( 3/4 )    |
|                    | Max. Length     | m        | 150             | 150              | 150              |
|                    | Max. Heighth    | m        | 50              | 50               | 50               |
|                    | Operation range | °C       | -15~49          | -15~49           | -15~49           |
| Stuffing Quantity  | Heating         | °C       | -15~27          | -15~27           | -15~27           |
|                    | 20/40/40H       | Unit     | 27/55/55        | 27/55/55         | 27/55/55         |



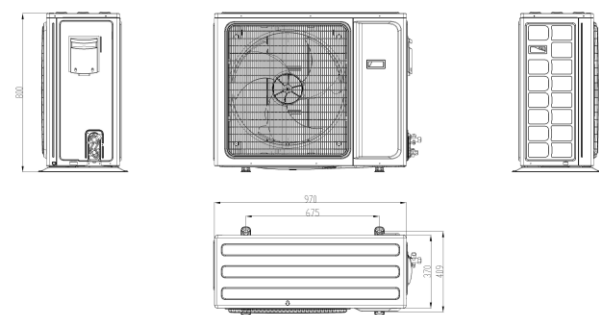
Specification

| Model              |               |       | ARV-H160/SR1DCS7 | ARV-H220/SR1DCS7 | ARV-H260/SR1DCS7 |
|--------------------|---------------|-------|------------------|------------------|------------------|
| Power Supply       |               |       | V~,Hz,Ph         | 380~415,3N~50/60 | 380~415,3N~50/60 |
| Cooling            | Capacity      | kW    | 16.0             | 22.4             | 26.0             |
|                    | Input         | kW    | 4.66             | 6.80             | 7.60             |
|                    | EER           | W/W   | 3.43             | 3.29             | 3.42             |
|                    | SEER          | W/W   | 6.10             | 5.90             | 5.50             |
|                    | Rated current | A     | 7.30             | 11.10            | 12.40            |
| Heating            | Capacity      | kW    | 18.0             | 24.5             | 28.5             |
|                    | COP           | W/W   | 3.56             | 4.15             | 4.19             |
|                    | SCOP          | W/W   | 4.00             | 3.80             | 3.75             |
|                    | Input         | kW    | 5.05             | 5.90             | 6.80             |
|                    | Rated current | A     | 7.91             | 9.60             | 11.10            |
| DC Inv. Compressor | Type          | /     | Rotary           | Rotary           | Rotary           |
|                    | Quantity      | /     | 1                | 1                | 1                |
| Outdoor Fan Motor  | Type          | /     | DC Inv           | DC Inv           | DC Inv           |
|                    | Quantities    | /     | 2                | 2                | 2                |
| Outdoor Fan        | Material      | /     | Plastic          | Plastic          | Plastic          |
|                    | Type          | /     | Axial            | Axial            | Axial            |
|                    | Fan Quantity  | /     | 2                | 2                | 2                |
| Air Flow Volume    |               | m³/h  | 7200             | 11000            | 11000            |
| Noise Level        |               | dB(A) | 57               | 62               | 62               |
| Dimension(W×D×H)   | Net           | mm    | 940×340×1320     | 1120×400×1540    | 1120×400×1540    |
|                    | Packing       | mm    | 1080×430×1440    | 1270×560×1710    | 1270×560×1710    |
| Weight             | Net/Gross     | kg    | 103/113          | 160/175          | 160/175          |
|                    | Liquid Side   | mm    | 9.52(3/8)        | 9.52(3/8)        | 9.52(3/8)        |
| Refrigerant Piping | Gas Side      | mm    | 19.05 ( 3/4 )    | 22.22(7/8)       | 22.22(7/8)       |
|                    | Max. Length   | m     | 150              | 250              | 250              |
|                    | Max. Heigth   | m     | 50               | 50               | 50               |
| Operation range    | Cooling       | ℃     | -15~49           | -15~49           | -15~49           |
|                    | Heating       | ℃     | -15~27           | -15~27           | -15~27           |
| Stuffing Quantity  |               | Unit  | 27/55/55         | 17/37/37         | 17/37/37         |

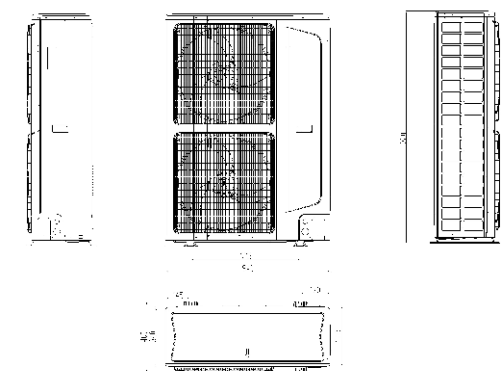
| Model              |               |       | ARV-H220/5R1A | ARV-H280/5R1A |
|--------------------|---------------|-------|---------------|---------------|
| Power Supply       |               |       | V~,Hz,Ph      | 380~415,3N~50 |
| Cooling            | Capacity      | kW    | 22.4          | 26.0          |
|                    | Input         | kW    | 7.20          | 8.40          |
|                    | EER           | W/W   | 3.11          | 3.10          |
|                    | SEER          | W/W   | /             | /             |
|                    | Rated current | A     | 11.6          | 13.5          |
| Heating            | Capacity      | kW    | 24.5          | 28.5          |
|                    | COP           | W/W   | 4.54          | 4.48          |
|                    | SCOP          | W/W   | /             | /             |
|                    | Input         | kW    | 6.70          | 7.90          |
|                    | Rated current | A     | 11.00         | 13.00         |
| DC Inv. Compressor | Type          | /     | Rotary        | Rotary        |
|                    | Quantity      | /     | 1             | 1             |
| Outdoor Fan Motor  | Type          | /     | DC Inv        | DC Inv        |
|                    | Quantities    | /     | 2             | 2             |
| Outdoor Fan        | Material      | /     | Plastic       | Plastic       |
|                    | Type          | /     | Axial         | Axial         |
|                    | Fan Quantity  | /     | 2             | 2             |
| Air Flow Volume    |               | m³/h  | 15300         | 15300         |
| Noise Level        |               | dB(A) | 60            | 60            |
| Dimension(W×D×H)   | Net           | mm    | 1120×400×1540 | 1120×400×1540 |
|                    | Packing       | mm    | 1270×560×1710 | 1270×560×1710 |
| Weight             | Net/Gross     | kg    | 150/170       | 150/170       |
|                    | Liquid Side   | mm    | 9.52(3/8)     | 9.52(3/8)     |
| Refrigerant Piping | Gas Side      | mm    | 22.22(7/8)    | 22.22(7/8)    |
|                    | Max. Length   | m     | 250           | 250           |
|                    | Max. Heigth   | m     | 50            | 50            |
| Operation range    | Cooling       | ℃     | -5~49         | -5~49         |
|                    | Heating       | ℃     | -15~24        | -15~24        |
| Stuffing Quantity  |               | Unit  | 17/37/37      | 17/37/37      |

Dimension

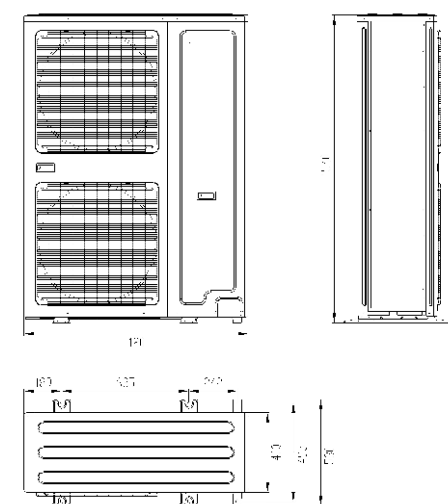
ARV-H080/NR1、ARV-H100/NR1



ARV-H120/NR1、ARV-H120/SR1DCS7  
ARV-H140/NR1、ARV-H140/SR1DCS7  
ARV-H160/NR1、ARV-H160/SR1DCS7

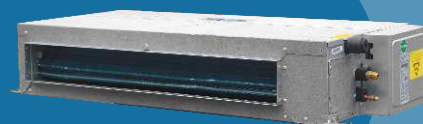


ARV-H220/SR1DCS7、ARV-H260/SR1DCS7  
ARV-H220/5R1A、ARV-H280/5R1A



# Duct-Slim

| Capacity(kw) | 2.2 | 2.8 | 3.6 | 4.5 | 5.6 | 7.1 |
|--------------|-----|-----|-----|-----|-----|-----|
| DC Duct-slim | •   | •   | •   | •   | •   | •   |
| AC Duct-slim | •   | •   | •   | •   | •   | •   |



## ► 2 Ways Draining Connection

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



The left outlet



The right outlet

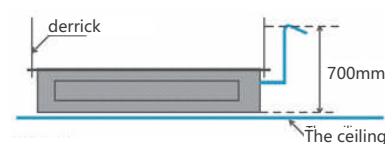
## ► Ultra Slim Design

The thickness is only 200mm, save installation space.



## ► Built-in Water Pump Optional

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



## ► Air Outlet Panel Options

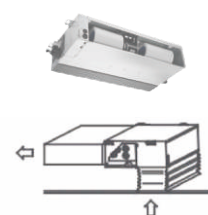
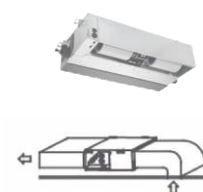
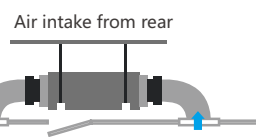
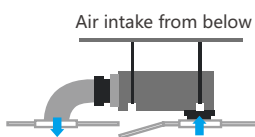
Digital tube displays all contents: indoor temperature, set ting temperature, operation mode, etc. Clearly to check the running status, more convenient for trouble shooting.



## ► Flexible Air Intake Options

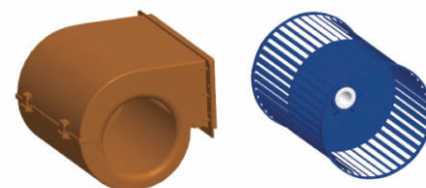
Air intake from rear as standard, from bottom is optional.

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



## ► Silence Operation

Innovative centrifugal fan for large diameter and a new design of the spiral duct system equipped with high-quality motor at the same time, making the air supply quieter and smoother.



## ► Fan Motor Options

Choose either AC or DC fan motors.

# Specification -DC

| Model                       |                           |       | ARVLD-H22/NR1DY | ARVLD-H28/NR1DY    | ARVLD-H36/NR1DY    |
|-----------------------------|---------------------------|-------|-----------------|--------------------|--------------------|
| Power Supply                |                           |       | V~,Hz,Ph        | 220~240~,50/60Hz,1 | 220~240~,50/60Hz,1 |
| Capacity                    | Cooling                   | kW    | 2.2             | 2.8                | 3.6                |
|                             | Heating                   | kW    | 2.6             | 3.2                | 4.0                |
| Fan Motor                   | Output Power              | W     | 40              | 40                 | 40                 |
|                             | Speed (/Hi/Mi/Lo)         | r/min | 950/820/730     | 950/820/730        | 950/820/730        |
| Indoor Unit                 | Indoor Air Flow           | m³/h  | 550             | 550                | 600                |
|                             | Noise Level               | dB(A) | 32              | 32                 | 33                 |
|                             | External Static Pressure  | Pa    | 13(0~50)        | 13(0~50)           | 13(0~50)           |
|                             | Net Dimension (W×D×H)     | mm    | 700x470x200     | 700x470x200        | 700x470x200        |
|                             | Packing Dimension (W×D×H) | mm    | 1005x580x275    | 1005x580x275       | 1005x580x275       |
|                             | Net/Gross Weight          | Kg    | 18.5/22         | 18.5/22            | 19/22.5            |
| Refrigerant Pipe            | Liquid Side               | mm    | 6.35(1/4)       | 6.35(1/4)          | 6.35(1/4)          |
|                             | Gas Side                  | mm    | 9.52(3/8)       | 9.52(3/8)          | 12.7(1/2)          |
|                             | Drainage                  | mm    | R3/4in(DN20)    | R3/4in(DN20)       | R3/4in(DN20)       |
| Operation Temperature Range |                           | ℃     | 16~32           | 16~32              | 16~32              |
| Application Area            |                           | m²    | 10~20           | 10~25              | 15~30              |
| Stuffing Quantity           |                           | Unit  | 176/368/414     | 176/368/414        | 176/368/414        |

| Model                       |                           |       | ARVLD-H45/NR1DY | ARVLD-H56/NR1DY    | ARVLD-H71/NR1DY    |
|-----------------------------|---------------------------|-------|-----------------|--------------------|--------------------|
| Power Supply                |                           |       | V~,Hz,Ph        | 220~240~,50/60Hz,1 | 220~240~,50/60Hz,1 |
| Capacity                    | Cooling                   | kW    | 4.5             | 5.6                | 7.1                |
|                             | Heating                   | kW    | 5.0             | 6.3                | 8.0                |
| Fan Motor                   | Output Power              | W     | 90              | 90                 | 110                |
|                             | Speed (/Hi/Mi/Lo)         | r/min | 950/750/630     | 950/750/630        | 850/700/610        |
| Indoor Unit                 | Indoor Air Flow           | m³/h  | 850             | 850                | 1150               |
|                             | Noise Level               | dB(A) | 34              | 34                 | 34                 |
|                             | External Static Pressure  | Pa    | 13(0~50)        | 13(0~50)           | 13(0~50)           |
|                             | Net Dimension (W×D×H)     | mm    | 1000x470x200    | 1000x470x200       | 1300x470x200       |
|                             | Packing Dimension (W×D×H) | mm    | 1305x580x275    | 1305x580x275       | 1610x580x275       |
|                             | Net/Gross Weight          | Kg    | 23.5/28         | 23.5/28            | 28.5/33            |
| Refrigerant Pipe            | Liquid Side               | mm    | 6.35(1/4)       | 6.35(1/4)          | 9.52(3/8)          |
|                             | Gas Side                  | mm    | 12.7(1/2)       | 12.7(1/2)          | 15.88(5/8)         |
|                             | Drainage                  | mm    | R3/4in(DN20)    | R3/4in(DN20)       | R3/4in(DN20)       |
| Operation Temperature Range |                           | ℃     | 16~32           | 16~32              | 16~32              |
| Application Area            |                           | m³    | 20~35           | 25~45              | 30~50              |
| Stuffing Quantity           |                           | Unit  | 136/288/324     | 136/288/324        | 104/232/261        |

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



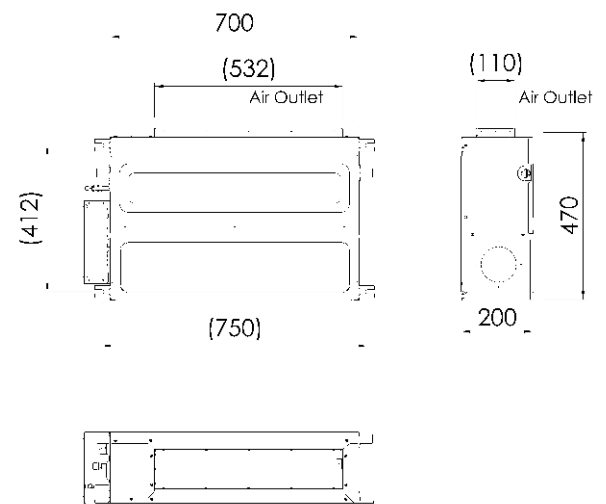
Specification -AC

| Model                       |                               |          | ARVLD-H22/4R1Y  | ARVLD-H28/4R1Y  | ARVLD-H36/4R1Y  |
|-----------------------------|-------------------------------|----------|-----------------|-----------------|-----------------|
| Power Supply                |                               | V~,Hz,Ph | 220~240,50,1    | 220~240,50,1    | 220~240,50,1    |
| Capacity                    | Cooling                       | kW       | 2.2             | 2.8             | 3.6             |
|                             | Heating                       | kW       | 2.6             | 3.2             | 4.0             |
| Fan Motor                   | Output Power                  | W        | 25              | 25              | 25              |
| Unit                        | Indoor Air Flow (Tu/Hi/Mi/Lo) | m³/h     | 550/450/380/320 | 550/450/380/320 | 600/490/410/350 |
|                             | Noise Level(Hi/Mi/Lo)         | dB(A)    | 31/27/25        | 31/27/25        | 33/30/27        |
|                             | External Static Pressure      | Pa       | 10(30)          | 10(30)          | 10(30)          |
|                             | Net Dimension (W×D×H)         | mm       | 700x470x200     | 700x470x200     | 700x470x200     |
|                             | Packing Dimension (W×D×H)     | mm       | 1005x580x275    | 1005x580x275    | 1005x580x275    |
|                             | Net/Gross Weight              | Kg       | 18.5/22         | 18.5/22         | 19/23           |
| Refrigerant Pipe            | Liquid Side                   | mm       | 6.35(1/4)       | 6.35(1/4)       | 6.35(1/4)       |
|                             | Gas Side                      | mm       | 9.52(3/8)       | 9.52(3/8)       | 12.7(1/2)       |
|                             | Drainage                      | mm       | R3/4in(DN20)    | R3/4in(DN20)    | R3/4in(DN20)    |
| Operation Temperature Range |                               | ℃        | 16~32           | 16~32           | 16~32           |
| Application Area            |                               | m²       | 10~20           | 10~25           | 15~30           |
| Stuffing Qty                | 20/40/40H                     | Unit     | 176/368/414     | 176/368/414     | 176/368/414     |

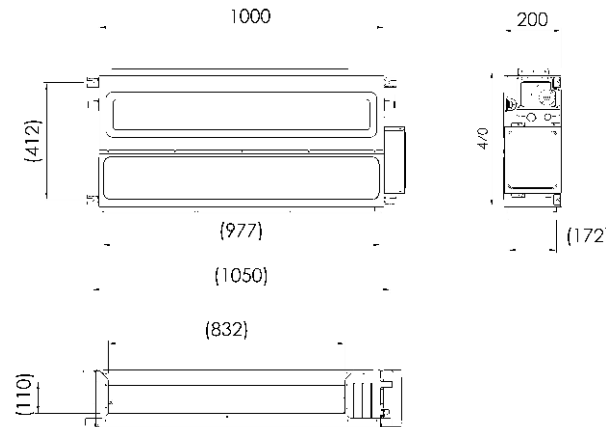
| Model                       |                               |          | ARVLD-H45/4R1Y  | ARVLD-H56/4R1Y  | ARVLD-H71/4R1Y   |
|-----------------------------|-------------------------------|----------|-----------------|-----------------|------------------|
| Power Supply                |                               | V~,Hz,Ph | 220~240,50,1    | 220~240,50,1    | 220~240,50,1     |
| Capacity                    | Cooling                       | kW       | 4.5             | 5.6             | 7.1              |
|                             | Heating                       | kW       | 5               | 6.3             | 8                |
| Fan Motor                   | Output Power                  | W        | 35              | 35              | 45               |
| Unit                        | Indoor Air Flow (Tu/Hi/Mi/Lo) | m³/h     | 900/710/620/490 | 900/710/620/490 | 1150/900/700/590 |
|                             | Noise Level(Hi/Mi/Lo)         | dB(A)    | 34/30/28        | 34/30/28        | 34/31/30         |
|                             | External Static Pressure      | Pa       | 10(30)          | 10(30)          | 10(30)           |
|                             | Net Dimension (W×D×H)         | mm       | 1000x470x200    | 1000x470x200    | 1300x470x200     |
|                             | Packing Dimension (W×D×H)     | mm       | 1305x580x275    | 1305x580x275    | 1610x580x275     |
|                             | Net/Gross Weight              | Kg       | 23.5/28         | 23.5/28         | 29/34            |
| Refrigerant Pipe            | Liquid Side                   | mm       | 6.35(1/4)       | 6.35(1/4)       | 9.52(3/8)        |
|                             | Gas Side                      | mm       | 12.7(1/2)       | 12.7(1/2)       | 15.88(5/8)       |
|                             | Drainage                      | mm       | R3/4in(DN20)    | R3/4in(DN20)    | R3/4in(DN20)     |
| Operation Temperature Range |                               | ℃        | 16~32           | 16~32           | 16~32            |
| Application Area            |                               | m²       | 20~35           | 25~45           | 30~50            |
| Stuffing Qty                | 20/40/40H                     | Unit     | 136/288/324     | 136/288/324     | 104/232/261      |

Dimension

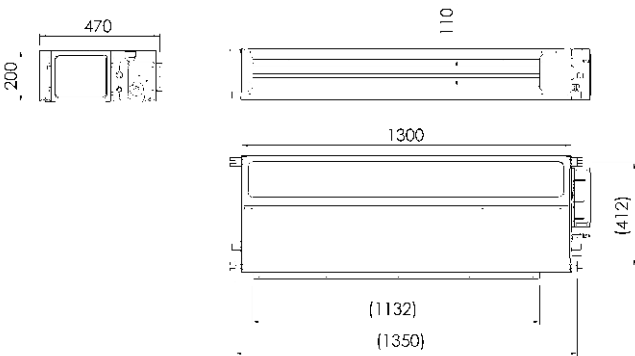
ARVLD-H22/4R1Y、ARVLD-H28/4R1Y  
ARVLD-H36/4R1Y



ARVLD-H45/4R1Y、ARVLD-H56/4R1Y

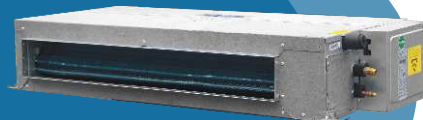


ARVLD-H71/4R1Y



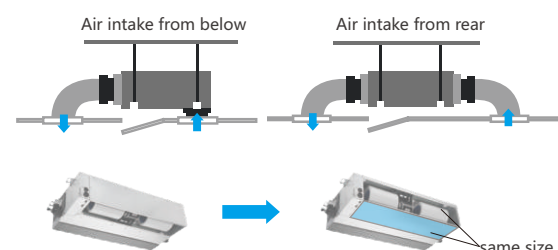
# Duct-Medium

| Capacity(kw) | 4.5 | 5.6 | 7.1 | 8 | 9 | 10 | 11.2 | 12.5 | 14 | 15 |
|--------------|-----|-----|-----|---|---|----|------|------|----|----|
| DC Duct-slim | •   | •   | •   | • | • | •  | •    | •    | •  | •  |
| AC Duct-slim | •   | •   | •   | • | • | •  | •    | •    | •  | •  |



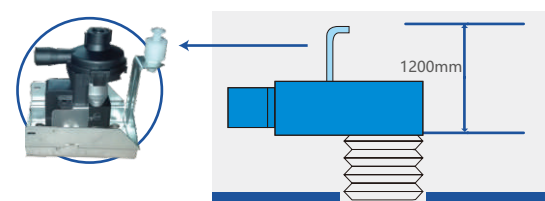
## ► Flexible Air Intake Options

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



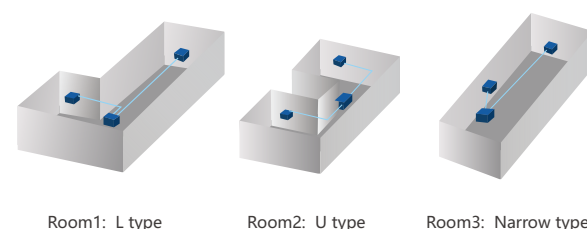
## ► Built-in Water Pump (Optional)

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



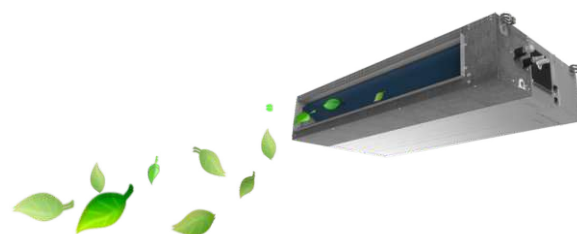
## ► Applicable To A Variety Of Room Types

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.



## ► Fresh air intake function

Reserved fresh air intake hole. It is available for connecting fresh air duct. It is allowed max. 10% fresh air for the indoor unit.



## ► ESP meet kinds application

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



# Specification -DC

| Model                       |                               |       | ARVMD-H45/NR1DM  | ARVMD-H56/NR1DM     | ARVMD-H63/NR1DM     |
|-----------------------------|-------------------------------|-------|------------------|---------------------|---------------------|
| Power Supply                |                               |       | V~,Hz,Ph         | 220 ~ 240, 50/60, 1 | 220 ~ 240, 50/60, 1 |
| Capacity                    | Cooling                       | kW    | 4.5              | 5.6                 | 6.3                 |
|                             | Heating                       | kW    | 5.6              | 6.3                 | 7.1                 |
| Fan Motor                   |                               |       | Output Power     | W                   | 110                 |
| Indoor Unit                 | Indoor Air Flow (Tu/Hi/Mi/Lo) | m³/h  | 1000/920/790/700 | 1000/920/790/700    | 1680/1350/1100/950  |
|                             | Noise Level                   | dB(A) | 39/37/35         | 39/37/35            | 40/38/36            |
|                             | External Static Pressure      | Pa    | 50(0~150)        | 50(0~150)           | 50(0~150)           |
|                             | Net Dimension (W×D×H)         | mm    | 1000x700x245     | 1000x700x245        | 1000x700x245        |
|                             | Packing Dimension (W×D×H)     | mm    | 1230*830*300     | 1230*830*300        | 1230*830*300        |
|                             | Net/Gross Weight              | Kg    | 30/36            | 30/36               | 30/36               |
| Refrigerant Pipe            | Liquid Side                   | mm    | 9.52             | 9.52                | 9.52                |
|                             | Gas Side                      | mm    | 15.88            | 15.88               | 15.88               |
|                             | Drainage                      | mm    | R3/4in(DN20)     | R3/4in(DN20)        | R3/4in(DN20)        |
| Operation Temperature Range |                               |       | ℃                | 16~32               | 16~32               |
| Application Area            |                               |       | m²               | 20~35               | 25~45               |
| Stuffing Quantity           |                               |       | Unit             | 72/151/164          | 72/151/164          |

| Model                       |                               |       | ARVMD-H71/NR1DM    | ARVMD-H80/NR1DM     | ARVMD-H90/NR1DM     |
|-----------------------------|-------------------------------|-------|--------------------|---------------------|---------------------|
| Power Supply                |                               |       | V~,Hz,Ph           | 220 ~ 240, 50/60, 1 | 220 ~ 240, 50/60, 1 |
| Capacity                    | Cooling                       | kW    | 7.1                | 8.0                 | 9.0                 |
|                             | Heating                       | kW    | 8.0                | 9.0                 | 10.0                |
| Fan Motor                   |                               |       | Output Power       | W                   | 125                 |
| Indoor Unit                 | Indoor Air Flow (Tu/Hi/Mi/Lo) | m³/h  | 1680/1350/1100/950 | 1680/1350/1100/950  | 1710/1400/1120/950  |
|                             | Noise Level                   | dB(A) | 40/38/36           | 41/39/37            | 41/39/37            |
|                             | External Static Pressure      | Pa    | 50(0~150)          | 50(0~150)           | 50(0~150)           |
|                             | Net Dimension (W×D×H)         | mm    | 1000x700x245       | 1000x700x245        | 1000x700x245        |
|                             | Packing Dimension (W×D×H)     | mm    | 1230*830*300       | 1230*830*300        | 1230*830*300        |
|                             | Net/Gross Weight              | Kg    | 30/36              | 30/36               | 32/38               |
| Refrigerant Pipe            | Liquid Side                   | mm    | 9.52               | 9.52                | 9.52                |
|                             | Gas Side                      | mm    | 15.88              | 15.88               | 15.88               |
|                             | Drainage                      | mm    | R3/4in(DN20)       | R3/4in(DN20)        | R3/4in(DN20)        |
| Operation Temperature Range |                               |       | ℃                  | 16~32               | 16~32               |
| Application Area            |                               |       | m²                 | 30~50               | 35~55               |
| Stuffing Quantity           |                               |       | Unit               | 72/151/164          | 72/151/164          |



Specification -DC

| Model                       |                               |          | ARVMD-H100/NR1DM    | ARVMD-H112/NR1DM    | ARVMD-H125/NR1DM     |
|-----------------------------|-------------------------------|----------|---------------------|---------------------|----------------------|
| Power Supply                |                               | V~,Hz,Ph | 220 ~ 240, 50/60, 1 | 220 ~ 240, 50/60, 1 | 220 ~ 240, 50/60, 1  |
| Capacity                    | Cooling                       | kW       | 10.0                | 11.2                | 12.5                 |
|                             | Heating                       | kW       | 11.2                | 12.5                | 14.0                 |
| Fan Motor                   | Output Power                  | W        | 150                 | 230                 | 230                  |
| Indoor Unit                 | Indoor Air Flow (Tu/Hi/Mi/Lo) | m³/h     | 1710/1400/1120/950  | 2300/1900/1600/1400 | 2300/1900/1600/11400 |
|                             | Noise Level                   | dB(A)    | 42/40/38            | 44/42/40            | 44/42/40             |
|                             | External Static Pressure      | Pa       | 50(0~150)           | 50(0~150)           | 50(0~150)            |
|                             | Net Dimension (W×D×H)         | mm       | 1000x700x245        | 1400×700×245        | 1400×700×245         |
|                             | Packing Dimension (W×D×H)     | mm       | 1230*830*300        | 1630x830x300        | 1630x830x300         |
|                             | Net/Gross Weight              | Kg       | 32/38               | 41/48               | 41/48                |
| Refrigerant Pipe            | Liquid Side                   | mm       | 9.52                | 9.52                | 9.52                 |
|                             | Gas Side                      | mm       | 15.88               | 15.88               | 15.88                |
|                             | Drainage                      | mm       | R3/4in(DN20)        | R3/4in(DN20)        | R3/4in(DN20)         |
| Operation Temperature Range |                               | ℃        | 16~32               | 16~32               | 16~32                |
| Application Area            |                               | m²       | 45~65               | 50~75               | 50~90                |
| Stuffing Quantity           | 20/40/40H                     | Unit     | 72/151/164          | 49/98/112           | 49/98/112            |

| Model                       |                               |          | ARVMD-H140/NR1DM    | ARVMD-H150/NR1DM    |
|-----------------------------|-------------------------------|----------|---------------------|---------------------|
| Power Supply                |                               | V~,Hz,Ph | 220 ~ 240, 50/60, 1 | 220 ~ 240, 50/60, 1 |
| Capacity                    | Cooling                       | kW       | 14.0                | 15.0                |
|                             | Heating                       | kW       | 16.0                | 17.0                |
| Fan Motor                   | Output Power                  | W        | 230                 | 250                 |
| Indoor Unit                 | Indoor Air Flow (Tu/Hi/Mi/Lo) | m³/h     | 2300/1900/1600/1400 | 2400/2000/1700/1500 |
|                             | Noise Level                   | dB(A)    | 44/42/40            | 45/43/41            |
|                             | External Static Pressure      | Pa       | 50(0~150)           | 50(0~150)           |
|                             | Net Dimension (W×D×H)         | mm       | 1400×700×245        | 1400×700×245        |
|                             | Packing Dimension (W×D×H)     | mm       | 1630x830x300        | 1630x830x300        |
|                             | Net/Gross Weight              | Kg       | 41/48               | 41/38               |
| Refrigerant Pipe            | Liquid Side                   | mm       | 9.52                | 9.52                |
|                             | Gas Side                      | mm       | 15.88               | 15.88               |
|                             | Drainage                      | mm       | R3/4in(DN20)        | R3/4in(DN20)        |
| Operation Temperature Range |                               | ℃        | 16~32               | 16~32               |
| Application Area            |                               | m²       | 60~100              | 65~110              |
| Stuffing Quantity           | 20/40/40H                     | Unit     | 49/98/112           | 49/98/112           |

Specification -AC

| Model                       |                               |          | ARVMD-H45/4R1M   | ARVMD-H56/4R1M   | ARVMD-H63/4R1M    |
|-----------------------------|-------------------------------|----------|------------------|------------------|-------------------|
| Power Supply                |                               | V~,Hz,Ph | 220~240,50,1     | 220~240,50,1     | 220~240,50,1      |
| Capacity                    | Cooling                       | kW       | 4.5              | 5.6              | 6.3               |
|                             | Heating                       | kW       | 5.6              | 6.3              | 7.1               |
| Fan Motor                   | Output Power                  | W        | 215              | 215              | 215               |
| Indoor Unit                 | Indoor Air Flow (Tu/Hi/Mi/Lo) | m³/h     | 1000/800/660/520 | 1000/800/660/520 | 1500/1200/930/730 |
|                             | Noise Level(Hi/Mi/Lo)         | dB(A)    | 42/39/36         | 42/39/36         | 43/40/37          |
|                             | External Static Pressure      | Pa       | 50               | 50               | 50                |
|                             | Net Dimension (W×D×H)         | mm       | 1000x700x245     | 1000x700x245     | 1000x700x245      |
|                             | Packing Dimension (W×D×H)     | mm       | 1230*830*300     | 1230*830*300     | 1230*830*300      |
|                             | Net/Gross Weight              | Kg       | 30/36            | 30/36            | 30/36             |
| Refrigerant Pipe            | Liquid Side                   | mm       | 9.52             | 9.52             | 9.52              |
|                             | Gas Side                      | mm       | 15.88            | 15.88            | 15.88             |
|                             | Drainage                      | mm       | R3/4in(DN20)     | R3/4in(DN20)     | R3/4in(DN20)      |
| Operation Temperature Range |                               | ℃        | 16~32            | 16~32            | 16~32             |
| Application Area            |                               | m²       | 20~35            | 25~45            | 30~50             |
| Stuffing Quantity           | 20/40/40H                     | Unit     | 72/151/164       | 72/151/164       | 72/151/164        |

| Model                       |                               |          | ARVMD-H71/4R1M    | ARVMD-H80/4R1M    | ARVMD-H90/4R1M    |
|-----------------------------|-------------------------------|----------|-------------------|-------------------|-------------------|
| Power Supply                |                               | V~,Hz,Ph | 220~240,50,1      | 220~240,50,1      | 220~240,50,1      |
| Capacity                    | Cooling                       | kW       | 7.1               | 8.0               | 9.0               |
|                             | Heating                       | kW       | 8.0               | 9.5               | 10.0              |
| Fan Motor                   | Output Power                  | W        | 215               | 215               | 220               |
| Indoor Unit                 | Indoor Air Flow (Tu/Hi/Mi/Lo) | m³/h     | 1500/1200/930/730 | 1500/1200/930/730 | 1500/1210/950/750 |
|                             | Noise Level(Hi/Mi/Lo)         | dB(A)    | 43/40/37          | 43/40/37          | 44/41/38          |
|                             | External Static Pressure      | Pa       | 50                | 50                | 50                |
|                             | Net Dimension (W×D×H)         | mm       | 1000x700x245      | 1000x700x245      | 1000x700x245      |
|                             | Packing Dimension (W×D×H)     | mm       | 1230*830*300      | 1230*830*300      | 1230*830*300      |
|                             | Net/Gross Weight              | Kg       | 30/36             | 30/36             | 32/38             |
| Refrigerant Pipe            | Liquid Side                   | mm       | 9.52              | 9.52              | 9.52              |
|                             | Gas Side                      | mm       | 15.88             | 15.88             | 15.88             |
|                             | Drainage                      | mm       | R3/4in(DN20)      | R3/4in(DN20)      | R3/4in(DN20)      |
| Operation Temperature Range |                               | ℃        | 16~32             | 16~32             | 16~32             |
| Application Area            |                               | m²       | 30~50             | 35~55             | 40~60             |
| Stuffing Quantity           | 20/40/40H                     | Unit     | 72/151/164        | 72/151/164        | 72/151/164        |

Specification -AC

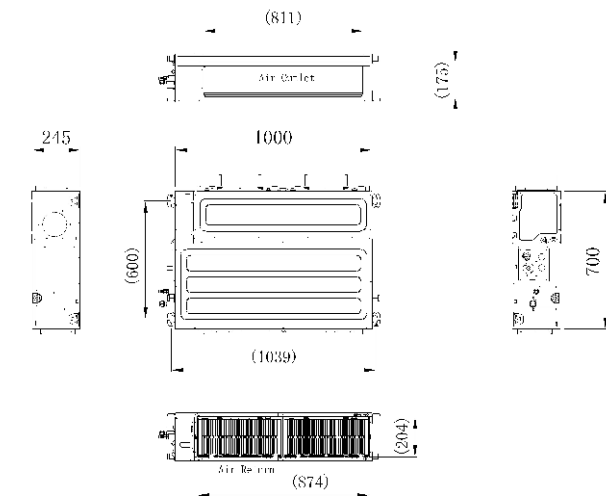
| Model                       |                               |          | ARVMD-H100/4R1M   | ARVMD-H112/4R1M     | ARVMD-H125/4R1M     |
|-----------------------------|-------------------------------|----------|-------------------|---------------------|---------------------|
| Power Supply                |                               | V~,Hz,Ph | 220~240,50,1      | 220~240,50,1        | 220~240,50,1        |
| Capacity                    | Cooling                       | kW       | 10.0              | 11.2                | 12.5                |
|                             | Heating                       | kW       | 11.2              | 12.5                | 14.0                |
| Fan Motor                   | Output Power                  | W        | 220               | 310                 | 310                 |
| Indoor Unit                 | Indoor Air Flow (Tu/Hi/Mi/Lo) | m³/h     | 1500/1210/950/750 | 2100/1870/1550/1320 | 2100/1870/1550/1320 |
|                             | Noise Level(Hi/Mi/Lo)         | dB(A)    | 44/41/38          | 45/42/39            | 45/42/39            |
|                             | External Static Pressure      | Pa       | 50                | 50                  | 50                  |
|                             | Net Dimension (W×D×H)         | mm       | 1000×700×245      | 1400×700×245        | 1400×700×245        |
|                             | Packing Dimension (W×D×H)     | mm       | 1230*830*300      | 1630x830x300        | 1630x830x300        |
|                             | Net/Gross Weight              | Kg       | 32/38             | 43/50               | 43/50               |
| Refrigerant Pipe            | Liquid Side                   | mm       | 9.52              | 9.52                | 9.52                |
|                             | Gas Side                      | mm       | 15.88             | 15.88               | 15.88               |
|                             | Drainage                      | mm       | R3/4in(DN20)      | R3/4in(DN20)        | R3/4in(DN20)        |
| Operation Temperature Range |                               | ℃        | 16~32             | 16~32               | 16~32               |
| Application Area            |                               | m²       | 45~65             | 50~75               | 50~90               |
| Stuffing Quantity           | 20/40/40H                     | Unit     | 72/151/164        | 49/98/112           | 49/98/112           |

| Model                       |                               |          | ARVMD-H140/4R1M     | ARVMD-H150/4R1M     |
|-----------------------------|-------------------------------|----------|---------------------|---------------------|
| Power Supply                |                               | V~,Hz,Ph | 220~240,50,1        | 220~240,50,1        |
| Capacity                    | Cooling                       | kW       | 14.0                | 15.0                |
|                             | Heating                       | kW       | 15.5                | 16.5                |
| Fan Motor                   | Output Power                  | W        | 310                 | 310                 |
| Indoor Unit                 | Indoor Air Flow (Tu/Hi/Mi/Lo) | m³/h     | 2100/1870/1550/1320 | 2100/1870/1550/1320 |
|                             | Noise Level(Hi/Mi/Lo)         | dB(A)    | 45/42/39            | 46/43/40            |
|                             | External Static Pressure      | Pa       | 50                  | 50                  |
|                             | Net Dimension (W×D×H)         | mm       | 1400×700×245        | 1400×700×245        |
|                             | Packing Dimension (W×D×H)     | mm       | 1630x830x300        | 1630x830x300        |
|                             | Net/Gross Weight              | Kg       | 43/50               | 43/50               |
| Refrigerant Pipe            | Liquid Side                   | mm       | 9.52                | 9.52                |
|                             | Gas Side                      | mm       | 15.88               | 15.88               |
|                             | Drainage                      | mm       | R3/4in(DN20)        | R3/4in(DN20)        |
| Operation Temperature Range |                               | ℃        | 16~32               | 16~32               |
| Application Area            |                               | m²       | 60~100              | 65~110              |
| Stuffing Quantity           | 20/40/40H                     | Unit     | 49/98/112           | 49/98/112           |

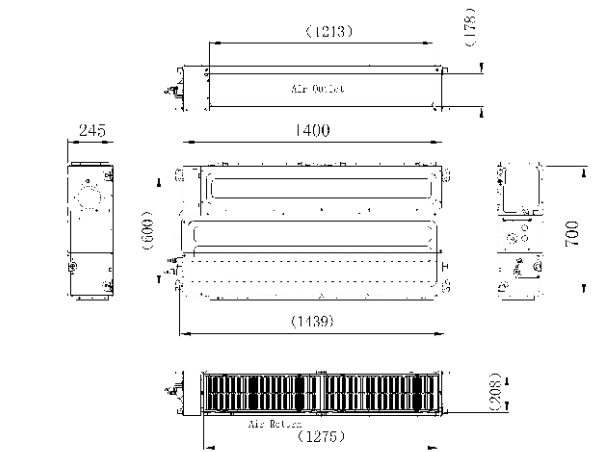
Remark:The above designs and specifications are subject to change of product improvement without prior notice.

Dimension

ARVMD-H45/4R1M、ARVMD-H56/4R1M  
ARVMD-H63/4R1M、ARVMD-H71/4R1M  
ARVMD-H80/4R1M、ARVMD-H90/4R1M  
ARVMD-H100/4R1M



ARVMD-H112/4R1M、ARVMD-H125/4R1M  
ARVMD-H140/4R1M、ARVMD-H150/4R1M





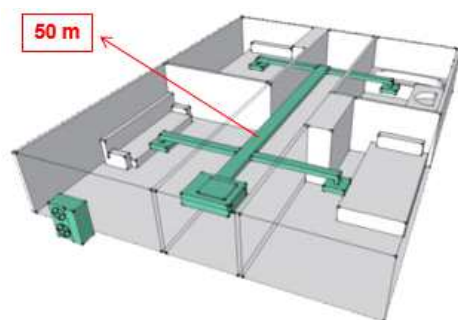
# Duct-High

|                  |      |      |    |    |      |    |
|------------------|------|------|----|----|------|----|
| Capacity(kw)     | 11.2 | 12.5 | 14 | 15 | 22.4 | 28 |
| DC Duct-High     |      |      |    |    | •    | •  |
| AC Duct-High ESP | •    | •    | •  | •  |      |    |



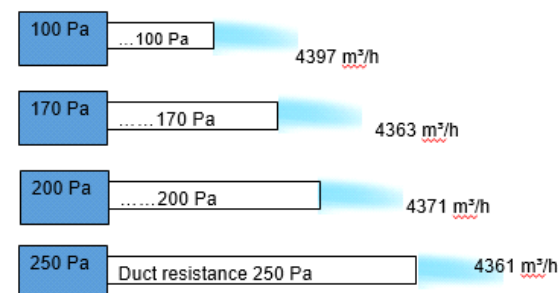
## ► Changeable ESP

Wide changeable range (30-250 Pa) , suitable for kinds of application site, Max. ESP can up to 250 Pa , makes the air supply distance up to 50 m



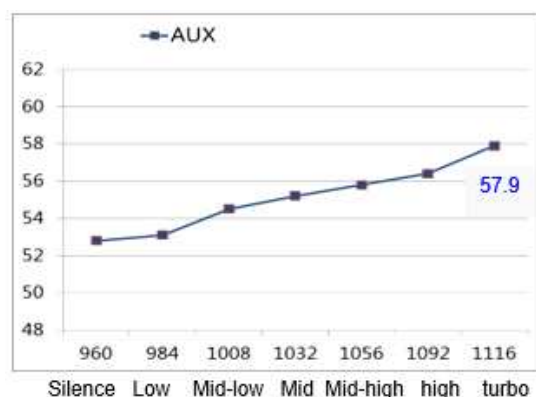
## ► Large air volume

It is possible to keep same high air volume under different duct length ( duct resistance)



## ► Low noise

Optimized fan wheel and upper and lower volute design, ensure low noise



## ► Anti-condensation

Body covered 5mm cotton insulation, Good anti-condensation effect



# Specification -DC

| Model                       |                           |              | ARVHD-H220/NR1DC | ARVHD-H280/NR1DC |
|-----------------------------|---------------------------|--------------|------------------|------------------|
| Power Supply                |                           | V~,Hz,Ph     | 220~240,50/60,1  | 220~240,50/60,1  |
| Capacity                    | Cooling                   | kW           | 22.4             | 28.0             |
|                             | Heating                   | kW           | 25.0             | 31.5             |
| Fan Motor                   |                           | Output Power | W                | 1200             |
| Unit                        | Indoor Air Flow           | m³/h         | 4400             | 4400             |
|                             | Noise Level               | dB(A)        | 57               | 57               |
|                             | External Static Pressure  | Pa           | 170(30~250)      | 170(30~250)      |
|                             | Net Dimension (W×D×H)     | mm           | 1388*715*480     | 1388*715*480     |
|                             | Packing Dimension (W×D×H) | mm           | 1540*810*610     | 1540*810*610     |
|                             | Net/Gross Weight          | Kg           | 99/120           | 99/120           |
| Refrigerant Pipe            | Liquid Side               | mm           | 12.7(1/2)        | 12.7(1/2)        |
|                             | Gas Side                  | mm           | 22.2(7/8)        | 22.2(7/8)        |
|                             | Drainage                  | mm           | OD33.5           | OD33.5           |
| Operation Temperature Range |                           | ℃            | 16~32            | 16~32            |
| Application Area            |                           | m²           | 100~200          | 100~250          |
| Stuffing Qty                | 20/40/40H                 | Unit         | 30/63/84         | 30/63/84         |

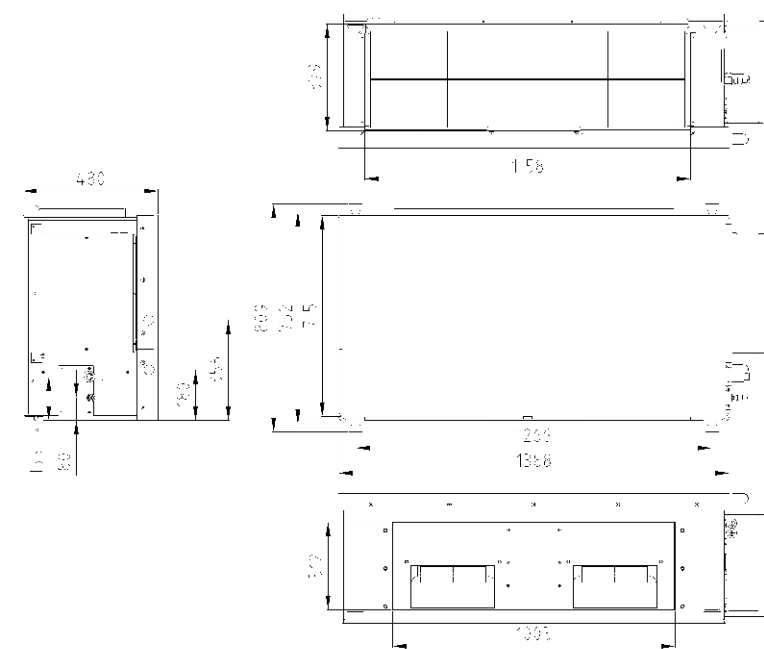
# Specification -AC

| Model                       |                           |              | ARVHD-H112/4R1A | ARVHD-H125/4R1A | ARVHD-H140/4R1A | ARVHD-H150/4R1A |
|-----------------------------|---------------------------|--------------|-----------------|-----------------|-----------------|-----------------|
| Power Supply                |                           | V~,Hz,Ph     | 220~240,50,1    | 220~240,50,1    | 220~240,50,1    | 220~240,50,1    |
| Capacity                    | Cooling                   | kW           | 11.2            | 12.5            | 14.0            | 15.0            |
|                             | Heating                   | kW           | 12.8            | 13.3            | 15.0            | 16.0            |
| Fan Motor                   |                           | Output Power | W               | 600             | 600             | 600             |
| Indoor Unit                 | Indoor Air Flow           | m³/h         | 2000/1600/1400  | 2000/1600/1400  | 2000/1600/1400  | 2000/1600/1400  |
|                             | Noise Level               | dB(A)        | 60/57/51        | 60/57/51        | 60/57/51        | 60/57/51        |
|                             | External Static Pressure  | Pa           | 196             | 196             | 196             | 196             |
|                             | Net Dimension (W×D×H)     | mm           | 1200x719x380    | 1200x719x380    | 1200x719x380    | 1200x719x380    |
|                             | Packing Dimension (W×D×H) | mm           | 1235x760x415    | 1235x760x415    | 1235x760x415    | 1235x760x415    |
|                             | Net/Gross Weight          | Kg           | 56/59           | 56/59           | 56/59           | 56/59           |
| Refrigerant Pipe            | Liquid Side               | mm           | 9.52            | 9.52            | 9.52            | 9.52            |
|                             | Gas Side                  | mm           | 19.05           | 19.05           | 19.05           | 19.05           |
|                             | Drainage                  | mm           | R3/4in(DN20)    | R3/4in(DN20)    | R3/4in(DN20)    | R3/4in(DN20)    |
| Operation Temperature Range |                           | ℃            | 16~32           | 16~32           | 16~32           | 16~32           |
| Application Area            |                           | m²           | 50~75           | 50~90           | 60~100          | 65~110          |
| Stuffing Quantity           | 20/40/40H                 | Unit         | 68/147/168      | 68/147/168      | 68/147/168      | 68/147/168      |

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

Dimension

ARVHD-H220/NR1DC, ARVHD-H280/NR1DC



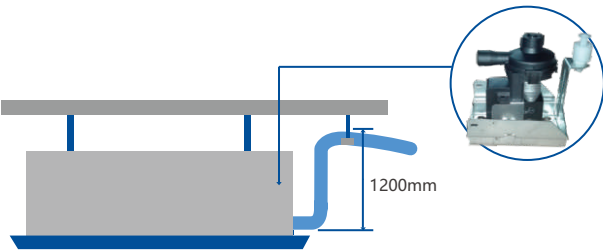
Cassette

| Capacity(kw) | 2.8 | 3.6 | 4.5 | 5.6 | 7.1 | 8 | 9 | 10 | 11.2 | 12.5 | 14 |
|--------------|-----|-----|-----|-----|-----|---|---|----|------|------|----|
| DC Cassette  | •   | •   | •   | •   | •   | • | • | •  | •    | •    | •  |
| AC Cassette  | •   | •   | •   | •   | •   | • | • | •  | •    | •    | •  |



Built-in Water Drainage Pump

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



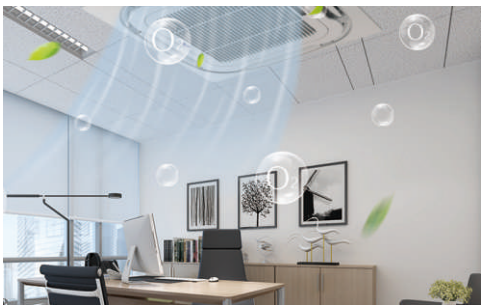
360° surround wind

Round air outlet structure design can achieve 360° air supply, covering area ↑30%



Fresh Air Intake

Fresh air makes indoor air healthy and comfortable.



Digital Tube Display

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





Specification -DC

| Model                       | Indoor                     |          | ARVCA-H22/NR1DYB | ARVCA-H25/NR1DYB | ARVCA-H28/NR1DYB | ARVCA-H32/NR1DYB |
|-----------------------------|----------------------------|----------|------------------|------------------|------------------|------------------|
|                             | Panel                      |          | Mb08             | Mb08             | Mb08             | Mb08             |
| 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 |
| Capacity                    | Cooling                    | kW       | 2.2              | 2.5              | 2.8              | 3.2              |
|                             |                            | kW       | 2.6              | 2.8              | 3.0              | 3.6              |
| Fan Motor                   | Heating                    | W        | 40               | 40               | 40               | 45               |
|                             | Output Power               | m³/h     | 900/800/700      | 900/800/700      | 900/800/700      | 900/800/700      |
| Indoor Unit                 | Indoor Air Flow (Hi/Mi/Lo) | dB(A)    | 35/32/28         | 35/32/28         | 35/32/28         | 35/32/28         |
|                             | Noise Level(Hi/Mi/Lo)      |          |                  |                  |                  |                  |
|                             | Net Dimension (W×D×H)      | mm       | 840x840x246      | 840x840x246      | 840x840x246      | 840x840x246      |
|                             | Packing Dimension (W×D×H)  | mm       | 915x915x315      | 915x915x315      | 915x915x315      | 915x915x315      |
|                             | Net/Gross Weight           | Kg       | 23.5/27.5        | 23.5/27.5        | 23.5/27.5        | 23.5/27.5        |
| Panel                       | Net Dimension (W×D×H)      | mm       | 950x950x55       | 950x950x55       | 950x950x55       | 950x950x55       |
|                             | Packing Dimension (W×D×H)  | mm       | 1000x1000x100    | 1000x1000x100    | 1000x1000x100    | 1000x1000x100    |
|                             | Net/Gross Weight           | Kg       | 5.7/8.3          | 5.7/8.3          | 5.7/8.3          | 5.7/8.3          |
| Refrigerant Pipe            | Liquid Side                | mm       | 6.35             | 6.35             | 6.35             | 6.35             |
|                             | Gas Side                   | mm       | 12.7             | 12.7             | 12.7             | 12.7             |
|                             | Drainage                   | mm       | R3/4in(DN20)     | R3/4in(DN20)     | R3/4in(DN20)     | R3/4in(DN20)     |
| Operation Temperature Range |                            | ℃        | 16~32            | 16~32            | 16~32            | 16~32            |
| Application Area            |                            | m²       | 10~20            | 10~20            | 10~25            | 10~25            |
| Stuffing Quantity           | 20/40/40H                  | Unit     | 77/164/175       | 77/164/175       | 77/164/175       | 77/164/175       |

| Model                       | Indoor                     |          | ARVCA-H36/NR1DYB | ARVCA-H40/NR1DYB | ARVCA-H45/NR1DYB | ARVCA-H50/NR1DYB |
|-----------------------------|----------------------------|----------|------------------|------------------|------------------|------------------|
|                             | Panel                      |          | Mb08             | Mb08             | Mb08             | Mb08             |
| 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 |
| Capacity                    | Cooling                    | kW       | 3.6              | 4.0              | 4.5              | 5.0              |
|                             |                            | kW       | 4.3              | 4.5              | 5.0              | 5.6              |
| Fan Motor                   | Heating                    | W        | 45               | 50               | 50               | 50               |
|                             | Output Power               | m³/h     | 900/800/700      | 900/800/700      | 900/800/700      | 900/800/700      |
| Indoor Unit                 | Indoor Air Flow (Hi/Mi/Lo) | dB(A)    | 35/32/28         | 35/32/28         | 35/32/28         | 35/32/28         |
|                             | Noise Level(Hi/Mi/Lo)      |          |                  |                  |                  |                  |
|                             | Net Dimension (W×D×H)      | mm       | 840x840x246      | 840x840x246      | 840x840x246      | 840x840x246      |
|                             | Packing Dimension (W×D×H)  | mm       | 915x915x315      | 915x915x315      | 915x915x315      | 915x915x315      |
|                             | Net/Gross Weight           | Kg       | 23.5/27.5        | 23.5/27.5        | 23.5/27.5        | 23.5/27.5        |
| Panel                       | Net Dimension (W×D×H)      | mm       | 950x950x55       | 950x950x55       | 950x950x55       | 950x950x55       |
|                             | Packing Dimension (W×D×H)  | mm       | 1000x1000x100    | 1000x1000x100    | 1000x1000x100    | 1000x1000x100    |
|                             | Net/Gross Weight           | Kg       | 5.7/8.3          | 5.7/8.3          | 5.7/8.3          | 5.7/8.3          |
| Refrigerant Pipe            | Liquid Side                | mm       | 6.35             | 6.35             | 6.35             | 6.35             |
|                             | Gas Side                   | mm       | 12.7             | 12.7             | 12.7             | 12.7             |
|                             | Drainage                   | mm       | R3/4in(DN20)     | R3/4in(DN20)     | R3/4in(DN20)     | R3/4in(DN20)     |
| Operation Temperature Range |                            | ℃        | 16~32            | 16~32            | 16~32            | 16~32            |
| Application Area            |                            | m²       | 15~30            | 15~30            | 20~35            | 20~35            |
| Stuffing Quantity           | 20/40/40H                  | Unit     | 77/164/175       | 77/164/175       | 77/164/175       | 77/164/175       |

Specification -DC

| Model                       | Indoor                     |          | ARVCA-H56/NR1DYB | ARVCA-H63/NR1DYB | ARVCA-H71/NR1DYB | ARVCA-H80/NR1DYB |
|-----------------------------|----------------------------|----------|------------------|------------------|------------------|------------------|
|                             | Panel                      |          | Mb08             | Mb08             | Mb08             | Mb08             |
| 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 |
| Capacity                    | Cooling                    | kW       | 5.6              | 6.3              | 7.1              | 8.0              |
|                             | Heating                    | kW       | 6.3              | 7.1              | 8.5              | 9.5              |
| Fan Motor                   | Output Power               | W        | 57               | 57               | 57               | 57               |
|                             |                            |          |                  |                  |                  |                  |
| Indoor Unit                 | Indoor Air Flow (Hi/Mi/Lo) | m³/h     | 950/850/750      | 1250/1040/910    | 1250/1040/910    | 1250/1040/910    |
|                             | Noise Level(Hi/Mi/Lo)      | dB(A)    | 35/32/28         | 38/34/30         | 38/34/30         | 38/34/30         |
|                             | Net Dimension (W×D×H)      | mm       | 840x840x246      | 840x840x246      | 840x840x246      | 840x840x246      |
|                             | Packing Dimension (W×D×H)  | mm       | 915x915x315      | 915x915x315      | 915x915x315      | 915x915x315      |
|                             | Net/Gross Weight           | Kg       | 23.5/27.5        | 24.5/28.5        | 24.5/28.5        | 24.5/28.5        |
| Panel                       | Net Dimension (W×D×H)      | mm       | 950x950x55       | 950x950x55       | 950x950x55       | 950x950x55       |
|                             | Packing Dimension (W×D×H)  | mm       | 1000x1000x100    | 1000x1000x100    | 1000x1000x100    | 1000x1000x100    |
|                             | Net/Gross Weight           | Kg       | 5.7/8.3          | 5.7/8.3          | 5.7/8.3          | 5.7/8.3          |
| Refrigerant Pipe            | Liquid Side                | mm       | 6.35             | 9.52             | 9.52             | 9.52             |
|                             | Gas Side                   | mm       | 12.7             | 15.88            | 15.88            | 15.88            |
|                             | Drainage                   | mm       | R3/4in(DN20)     | R3/4in(DN20)     | R3/4in(DN20)     | R3/4in(DN20)     |
| Operation Temperature Range |                            | ℃        | 16~32            | 16~32            | 16~32            | 16~32            |
| Application Area            |                            | m²       | 25~45            | 30~50            | 30~50            | 35~55            |
| Stuffing Quantity           | 20/40/40H                  | Unit     | 77/164/175       | 77/164/175       | 77/164/175       | 77/164/175       |

| Model                       | Indoor                     |          | ARVCA-H90/NR1DYB | ARVCA-H100/NR1DYB | ARVCA-H112/NR1DYB | ARVCA-H125/NR1DYB |
|-----------------------------|----------------------------|----------|------------------|-------------------|-------------------|-------------------|
|                             | Panel                      |          | Mb08             | Mb08              | Mb08              | Mb08              |
| 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  |
| Capacity                    | Cooling                    | kW       | 9.0              | 10.0              | 11.2              | 12.5              |
|                             | Heating                    | kW       | 10.0             | 11.2              | 13.0              | 14.0              |
| Fan Motor                   | Output Power               | W        | 57               | 120               | 120               | 120               |
|                             |                            |          |                  |                   |                   |                   |
| Indoor Unit                 | Indoor Air Flow (Hi/Mi/Lo) | m³/h     | 1250/1040/910    | 1800/1440/1260    | 1800/1440/1260    | 1800/1440/1260    |
|                             | Noise Level(Hi/Mi/Lo)      | dB(A)    | 38/34/30         | 44/42/40          | 44/42/40          | 44/42/40          |
|                             | Net Dimension (W×D×H)      | mm       | 840x840x246      | 840x840x288       | 840x840x288       | 840x840x288       |
|                             | Packing Dimension (W×D×H)  | mm       | 915x915x315      | 915x915x355       | 915x915x355       | 915x915x355       |
|                             | Net/Gross Weight           | Kg       | 24.5/28.5        | 27/31             | 27/31             | 27/31             |
| Panel                       | Net Dimension (W×D×H)      | mm       | 950x950x55       | 950x950x55        | 950x950x55        | 950x950x55        |
|                             | Packing Dimension (W×D×H)  | mm       | 1000x1000x100    | 1000x1000x100     | 1000x1000x100     | 1000x1000x100     |
|                             | Net/Gross Weight           | Kg       | 5.7/8.3          | 5.7/8.3           | 5.7/8.3           | 5.7/8.3           |
| Refrigerant Pipe            | Liquid Side                | mm       | 9.52             | 9.52              | 9.52              | 9.52              |
|                             | Gas Side                   | mm       | 15.88            | 15.88             | 15.88             | 15.88             |
|                             | Drainage                   | mm       | R3/4in(DN20)     | R3/4in(DN20)      | R3/4in(DN20)      | R3/4in(DN20)      |
| Operation Temperature Range |                            | ℃        | 16~32            | 16~32             | 16~32             | 16~32             |
| Application Area            |                            | m²       | 40~60            | 45~65             | 50~75             | 50~90             |
| Stuffing Quantity           | 20/40/40H                  | Unit     | 77/164/175       | 77/164/175        | 77/164/175        | 77/164/175        |

Specification-DC

| Model                       | Indoor                     |          | ARVCA-H140/NR1DYAB | ARVCA-H140/NR1DYB |
|-----------------------------|----------------------------|----------|--------------------|-------------------|
|                             | Panel                      |          | Mb08               | Mb08              |
| Power Supply                |                            | V~,Hz,Ph | 220~240,50(60),1   | 220~240,50(60),1  |
| Capacity                    | Cooling                    | kW       | 14.0               | 14.0              |
|                             | Heating                    | kW       | 15.0               | 16.0              |
| Fan Motor                   | Output Power               | W        | 120                | 127               |
| Indoor Unit                 | Indoor Air Flow (Hi/Mi/Lo) | m³/h     | 1800/1440/1260     | 1800/1440/1260    |
|                             | Noise Level(Hi/Mi/Lo)      | dB(A)    | 46/43/41           | 46/43/41          |
|                             | Net Dimension (W×D×H)      | mm       | 840×840×288        | 840×840×288       |
|                             | Packing Dimension (W×D×H)  | mm       | 915×915×355        | 915×915×355       |
|                             | Net/Gross Weight           | Kg       | 27/31              | 30.5/34.5         |
| Panel                       | Net Dimension (W×D×H)      | mm       | 950x950x55         | 950x950x55        |
|                             | Packing Dimension (W×D×H)  | mm       | 1000x1000x100      | 1000x1000x100     |
|                             | Net/Gross Weight           | Kg       | 5.7/8.3            | 5.7/8.3           |
| Refrigerant Pipe            | Liquid Side                | mm       | 9.52               | 9.52              |
|                             | Gas Side                   | mm       | 15.88              | 15.88             |
|                             | Drainage                   | mm       | R3/4in(DN20)       | R3/4in(DN20)      |
| Operation Temperature Range |                            | ℃        | 16~32              | 16~32             |
| Application Area            |                            | m²       | 60~100             | 60~100            |
| Stuffing Quantity           | 20/40/40H                  | Unit     | 77/164/175         | 77/164/175        |

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

Compact type Cassette DC

| Model                       | Indoor                        |          | ARVCA-H28/NR1DYBA | ARVCA-H36/NR1DYBA | ARVCA-H45/NR1DYBA | ARVCA-H56/NR1DYBA |
|-----------------------------|-------------------------------|----------|-------------------|-------------------|-------------------|-------------------|
|                             |                               |          |                   |                   |                   |                   |
| 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  |
| Capacity                    | Cooling                       | kW       | 2.8               | 3.6               | 4.5               | 5.6               |
|                             | Heating                       | kW       | 3.0               | 4.3               | 5.0               | 6.3               |
| Fan Motor                   | Output Power                  | W        | 30                | 30                | 30                | 30                |
| Indoor Unit                 | Indoor Air Flow (Tu/Hi/Mi/Lo) | m³/h     | 700/670/640/570   | 740/700/660/590   | 760/740/660/600   | 800/760/680/620   |
|                             | Noise Level(Tu/Hi/Mi/Lo)      | dB(A)    | 42/40/38/36       | 43/41/39/37       | 44/42/40/37       | 45/43/40/38       |
|                             | Net Dimension (W×D×H)         | mm       | 570×570×260       | 570×570×260       | 570×570×260       | 570×570×260       |
|                             | Packing Dimension (W×D×H)     | mm       | 720×650×290       | 720×650×290       | 720×650×290       | 720×650×290       |
|                             | Net/Gross Weight              | Kg       | 15.5/18.5         | 15.5/18.5         | 15.5/18.5         | 15.5/18.5         |
| Panel                       | Net Dimension (W×D×H)         | mm       | 650x650x55        | 650x650x55        | 650x650x55        | 650x650x55        |
|                             | Packing Dimension (W×D×H)     | mm       | 710x710x80        | 710x710x80        | 710x710x80        | 710x710x80        |
|                             | Net/Gross Weight              | Kg       | 2.2/3.7           | 2.2/3.7           | 2.2/3.7           | 2.2/3.7           |
| Refrigerant Pipe            | Liquid Side                   | mm       | 6.35              | 6.35              | 6.35              | 6.35              |
|                             | Gas Side                      | mm       | 12.7              | 12.7              | 12.7              | 12.7              |
|                             | Drainage                      | mm       | R3/4in(DN20)      | R3/4in(DN20)      | R3/4in(DN20)      | R3/4in(DN20)      |
| Operation Temperature Range |                               | ℃        | 16~32             | 16~32             | 16~32             | 16~32             |
| Application Area            |                               | m²       | 10~25             | 15~30             | 20~35             | 25~45             |
| Stuffing Quantity           | 20/40/40H                     | Unit     | 216/432/486       | 216/432/486       | 216/432/486       | 216/432/486       |

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

Specification -AC

| Model                       | Indoor                     |          | ARVCA-H22/4R1YB | ARVCA-H25/4R1YB | ARVCA-H28/4R1YB | ARVCA-H32/4R1YB |
|-----------------------------|----------------------------|----------|-----------------|-----------------|-----------------|-----------------|
|                             | Panel                      |          | Mb08            | Mb08            | Mb08            | Mb08            |
| Power Supply                |                            | V~,Hz,Ph | 220~240,50,1    | 220~240,50,1    | 220~240,50,1    | 220~240,50,1    |
| Capacity                    | Cooling                    | kW       | 2.2             | 2.5             | 2.8             | 3.2             |
|                             | Heating                    | kW       | 2.6             | 2.8             | 3.2             | 3.6             |
| Fan Motor                   | Output Power               | W        | 80              | 80              | 80              | 80              |
| Indoor Unit                 | Indoor Air Flow (Hi/Mi/Lo) | m³/h     | 900/850/750     | 900/850/750     | 900/850/750     | 900/850/750     |
|                             | Noise Level(Hi/Mi/Lo)      | dB(A)    | 36/34/33        | 36/34/33        | 36/34/33        | 36/34/33        |
|                             | Net Dimension (W×D×H)      | mm       | 840x840x246     | 840x840x246     | 840x840x246     | 840x840x246     |
|                             | Packing Dimension (W×D×H)  | mm       | 915×915×315     | 915×915×315     | 915×915×315     | 915×915×315     |
|                             | Net/Gross Weight           | Kg       | 24/28           | 24/28           | 24/28           | 24/28           |
| Panel                       | Net Dimension (W×D×H)      | mm       | 950x950x55      | 950x950x55      | 950x950x55      | 950x950x55      |
|                             | Packing Dimension (W×D×H)  | mm       | 1000x1000x100   | 1000x1000x100   | 1000x1000x100   | 1000x1000x100   |
|                             | Net/Gross Weight           | Kg       | 5.7/8.3         | 5.7/8.3         | 5.7/8.3         | 5.7/8.3         |
| Refrigerant Pipe            | Liquid Side                | mm       | 6.35            | 6.35            | 6.35            | 6.35            |
|                             | Gas Side                   | mm       | 12.7            | 12.7            | 12.7            | 12.7            |
|                             | Drainage                   | mm       | R3/4in(DN20)    | R3/4in(DN20)    | R3/4in(DN20)    | R3/4in(DN20)    |
| Operation Temperature Range |                            | ℃        | 16~32           | 16~32           | 16~32           | 16~32           |
| Application Area            |                            | m²       | 10~20           | 10~20           | 10~25           | 10~25           |
| Stuffing Quantity           | 20/40/40H                  | Unit     | 77/164/175      | 77/164/175      | 77/164/175      | 77/164/175      |

| Model                       | Indoor                     |          | ARVCA-H36/4R1YB | ARVCA-H40/4R1YB | ARVCA-H45/4R1YB | ARVCA-H50/4R1YB |
|-----------------------------|----------------------------|----------|-----------------|-----------------|-----------------|-----------------|
|                             | Panel                      |          | Mb08            | Mb08            | Mb08            | Mb08            |
| Power Supply                |                            | V~,Hz,Ph | 220~240,50,1    | 220~240,50,1    | 220~240,50,1    | 220~240,50,1    |
| Capacity                    | Cooling                    | kW       | 3.6             | 4.0             | 4.5             | 5.0             |
|                             | Heating                    | kW       | 4.3             | 4.5             | 5.0             | 5.6             |
| Fan Motor                   | Output Power               | W        | 80              | 80              | 80              | 80              |
| Indoor Unit                 | Indoor Air Flow (Hi/Mi/Lo) | m³/h     | 900/850/750     | 900/850/750     | 900/850/750     | 900/850/750     |
|                             | Noise Level(Hi/Mi/Lo)      | dB(A)    | 36/34/33        | 36/34/33        | 36/34/33        | 36/34/33        |
|                             | Net Dimension (W×D×H)      | mm       | 840x840x246     | 840x840x246     | 840x840x246     | 840x840x246     |
|                             | Packing Dimension (W×D×H)  | mm       | 915×915×315     | 915×915×315     | 915×915×315     | 915×915×315     |
|                             | Net/Gross Weight           | Kg       | 24/28           | 24/28           | 24/28           | 24/28           |
| Panel                       | Net Dimension (W×D×H)      | mm       | 950x950x55      | 950x950x55      | 950x950x55      | 950x950x55      |
|                             | Packing Dimension (W×D×H)  | mm       | 1000x1000x100   | 1000x1000x100   | 1000x1000x100   | 1000x1000x100   |
|                             | Net/Gross Weight           | Kg       | 5.7/8.3         | 5.7/8.3         | 5.7/8.3         | 5.7/8.3         |
| Refrigerant Pipe            | Liquid Side                | mm       | 6.35            | 6.35            | 6.35            | 6.35            |
|                             | Gas Side                   | mm       | 12.7            | 12.7            | 12.7            | 12.7            |
|                             | Drainage                   | mm       | R3/4in(DN20)    | R3/4in(DN20)    | R3/4in(DN20)    | R3/4in(DN20)    |
| Operation Temperature Range |                            | ℃        | 16~32           | 16~32           | 16~32           | 16~32           |
| Application Area            |                            | m²       | 15~30           | 15~30           | 20~35           | 20~35           |
| Stuffing Quantity           | 20/40/40H                  | Unit     | 77/164/175      | 77/164/175      | 77/164/175      | 77/164/175      |



| Model                       | Indoor                     |          | ARVCA-H56/4R1YB | ARVCA-H63/4R1YB | ARVCA-H71/4R1YB | ARVCA-H80/4R1YB |
|-----------------------------|----------------------------|----------|-----------------|-----------------|-----------------|-----------------|
|                             | Panel                      |          | Mb08            | Mb08            | Mb08            | Mb08            |
| Power Supply                |                            | V~,Hz,Ph | 220~240,50,1    | 220~240,50,1    | 220~240,50,1    | 220~240,50,1    |
| Capacity                    | Cooling                    | kW       | 5.6             | 6.3             | 7.1             | 8.0             |
|                             | Heating                    | kW       | 6.3             | 7.1             | 8.0             | 9.0             |
| Fan Motor                   | Output Power               | W        | 80              | 100             | 100             | 100             |
| Indoor Unit                 | Indoor Air Flow (Hi/Mi/Lo) | m³/h     | 950/850/750     | 1250/1040/910   | 1250/1040/910   | 1250/1040/910   |
|                             | Noise Level(Hi/Mi/Lo)      | dB(A)    | 36/34/33        | 43/39/37        | 43/39/37        | 43/39/37        |
|                             | Net Dimension (W×D×H)      | mm       | 840x840x246     | 840x840x246     | 840x840x246     | 840x840x246     |
|                             | Packing Dimension (W×D×H)  | mm       | 915×915×315     | 915×915×315     | 915×915×315     | 915×915×315     |
|                             | Net/Gross Weight           | Kg       | 24/28           | 25/29           | 25/29           | 25/29           |
| Panel                       | Net Dimension (W×D×H)      | mm       | 950x950x55      | 950x950x55      | 950x950x55      | 950x950x55      |
|                             | Packing Dimension (W×D×H)  | mm       | 1000x1000x100   | 1000x1000x100   | 1000x1000x100   | 1000x1000x100   |
|                             | Net/Gross Weight           | Kg       | 5.7/8.3         | 5.7/8.3         | 5.7/8.3         | 5.7/8.3         |
| Refrigerant Pipe            | Liquid Side                | mm       | 6.35            | 9.52            | 9.52            | 9.52            |
|                             | Gas Side                   | mm       | 12.7            | 15.88           | 15.88           | 15.88           |
|                             | Drainage                   | mm       | R3/4in(DN20)    | R3/4in(DN20)    | R3/4in(DN20)    | R3/4in(DN20)    |
| Operation Temperature Range |                            | ℃        | 16~32           | 16~32           | 16~32           | 16~32           |
| Application Area            |                            | m²       | 25~45           | 30~50           | 30~50           | 35~55           |
| Stuffing Quantity           | 20/40/40H                  | Unit     | 77/164/175      | 77/164/175      | 77/164/175      | 77/164/175      |

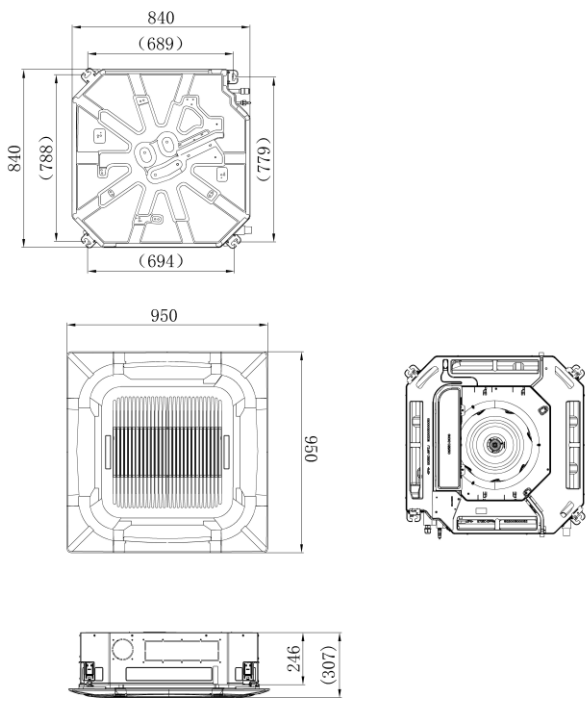
| Model                       | Indoor                     |          | ARVCA-H90/4R1YB | ARVCA-H100/4R1YB | ARVCA-H112/4R1YB | ARVCA-H125/4R1YB |
|-----------------------------|----------------------------|----------|-----------------|------------------|------------------|------------------|
|                             | Panel                      |          | Mb08            | Mb08             | Mb08             | Mb08             |
| Power Supply                |                            | V~,Hz,Ph | 220~240,50,1    | 220~240,50,1     | 220~240,50,1     | 220~240,50,1     |
| Capacity                    | Cooling                    | kW       | 9.0             | 10.0             | 11.2             | 12.5             |
|                             | Heating                    | kW       | 10.0            | 11.2             | 12.8             | 14.0             |
| Fan Motor                   | Output Power               | W        | 100             | 190              | 190              | 190              |
| Indoor Unit                 | Indoor Air Flow (Hi/Mi/Lo) | m³/h     | 1400/1200/1000  | 1850/1440/1260   | 1850/1440/1260   | 1850/1440/1260   |
|                             | Noise Level(Hi/Mi/Lo)      | dB(A)    | 43/39/37        | 45/40/39         | 45/40/39         | 45/40/39         |
|                             | Net Dimension (W×D×H)      | mm       | 840x840x246     | 840×840×288      | 840×840×288      | 840×840×288      |
|                             | Packing Dimension (W×D×H)  | mm       | 915×915×315     | 915×915×355      | 915×915×355      | 915×915×355      |
|                             | Net/Gross Weight           | Kg       | 25/29           | 28.5/32.5        | 28.5/32.5        | 28.5/32.5        |
| Panel                       | Net Dimension (W×D×H)      | mm       | 950x950x55      | 950x950x55       | 950x950x55       | 950x950x55       |
|                             | Packing Dimension (W×D×H)  | mm       | 1000x1000x100   | 1000x1000x100    | 1000x1000x100    | 1000x1000x100    |
|                             | Net/Gross Weight           | Kg       | 5.7/8.3         | 5.7/8.3          | 5.7/8.3          | 5.7/8.3          |
| Refrigerant Pipe            | Liquid Side                | mm       | 9.52            | 9.52             | 9.52             | 9.52             |
|                             | Gas Side                   | mm       | 15.88           | 15.88            | 15.88            | 15.88            |
|                             | Drainage                   | mm       | R3/4in(DN20)    | R3/4in(DN20)     | R3/4in(DN20)     | R3/4in(DN20)     |
| Operation Temperature Range |                            | ℃        | 16~32           | 16~32            | 16~32            | 16~32            |
| Application Area            |                            | m²       | 40~60           | 45~65            | 50~75            | 50~90            |
| Stuffing Quantity           | 20/40/40H                  | Unit     | 77/164/175      | 77/164/175       | 77/164/175       | 77/164/175       |

| Model                       | Indoor                     |          | ARVCA-H140/4R1YAB | ARVCA-H140/4R1YB |
|-----------------------------|----------------------------|----------|-------------------|------------------|
|                             | Panel                      |          | Mb08              | Mb08             |
| Power Supply                |                            | V~,Hz,Ph | 220~240,50,1      | 220~240,50,1     |
| Capacity                    | Cooling                    | kW       | 14.0              | 14.0             |
|                             | Heating                    | kW       | 15.0              | 16.0             |
| Fan Motor                   | Output Power               | W        | 190               | 190              |
| Indoor Unit                 | Indoor Air Flow (Hi/Mi/Lo) | m³/h     | 1850/1440/1260    | 1850/1440/1260   |
|                             | Noise Level(Hi/Mi/Lo)      | dB(A)    | 46/41/39          | 46/41/39         |
|                             | Net Dimension (W×D×H)      | mm       | 840×840×288       | 840×840×288      |
|                             | Packing Dimension (W×D×H)  | mm       | 915×915×355       | 915×915×355      |
|                             | Net/Gross Weight           | Kg       | 28.5/32.5         | 31/35            |
| Panel                       | Net Dimension (W×D×H)      | mm       | 950x950x55        | 950x950x55       |
|                             | Packing Dimension (W×D×H)  | mm       | 1000x1000x100     | 1000x1000x100    |
|                             | Net/Gross Weight           | Kg       | 5.7/8.3           | 5.7/8.3          |
| Refrigerant Pipe            | Liquid Side                | mm       | 9.52              | 9.52             |
|                             | Gas Side                   | mm       | 15.88             | 15.88            |
|                             | Drainage                   | mm       | R3/4in(DN20)      | R3/4in(DN20)     |
| Operation Temperature Range |                            | ℃        | 16~32             | 16~32            |
| Application Area            |                            | m²       | 60~100            | 60~100           |
| Stuffing Quantity           | 20/40/40H                  | Unit     | 77/164/175        | 77/164/175       |

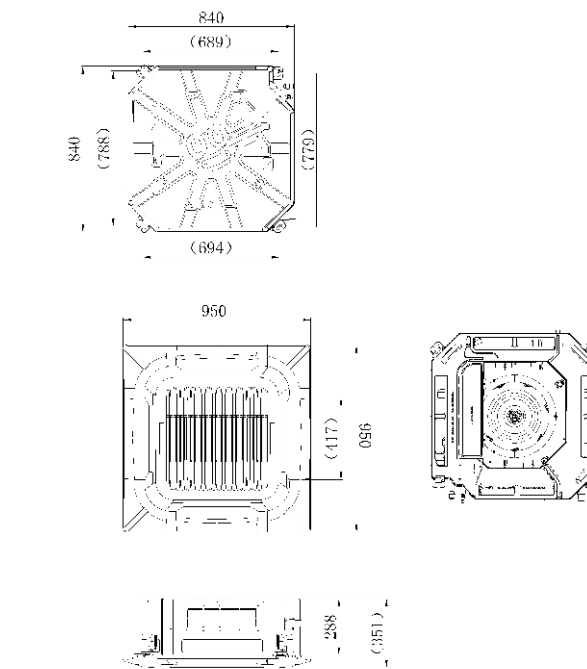
Remark:The above designs and specifications are subject to change of product improvement without prior notice.

Dimension

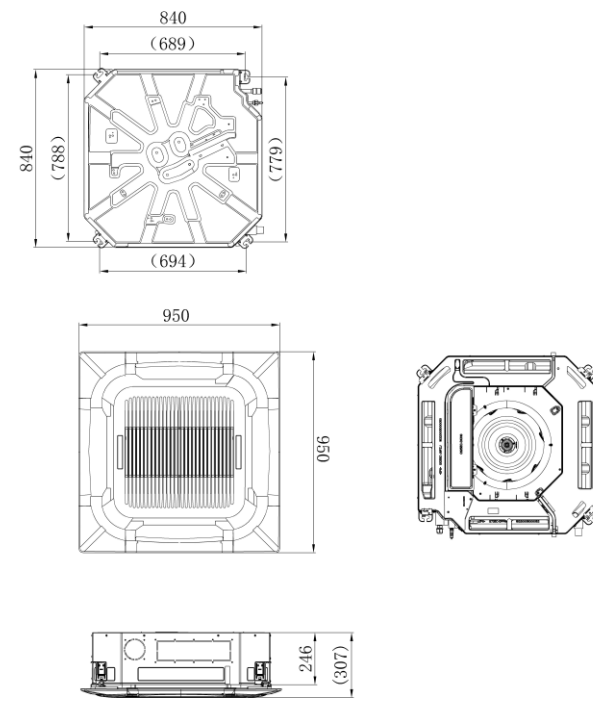
ARVCA-H22/NR1DYB、ARVCA-H25/NR1DYB、ARVCA-H28/NR1DYB、  
ARVCA-H32/NR1DYB、ARVCA-H36/NR1DYB、ARVCA-H40/NR1DYB、  
ARVCA-H45/NR1DYB、ARVCA-H50/NR1DYB、ARVCA-H56/NR1DYB、  
ARVCA-H63/NR1DYB、ARVCA-H71/NR1DYB、ARVCA-H80/NR1DYB  
ARVCA-H90/NR1DYB



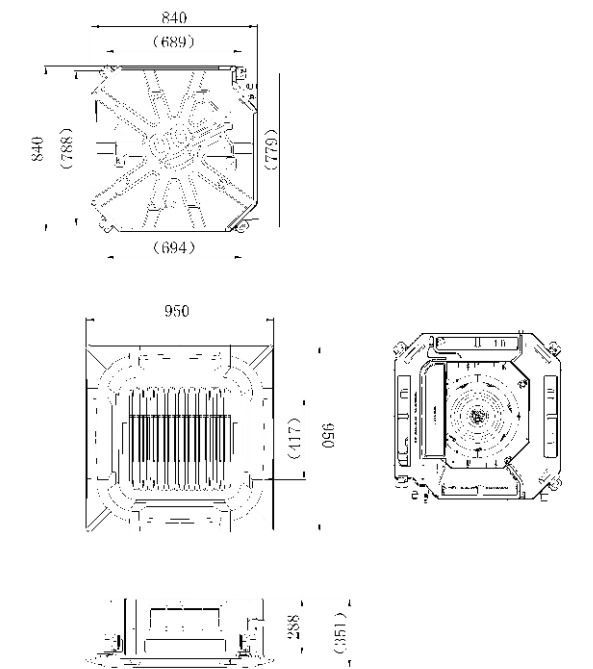
ARVCA-H100/NR1DYBA、ARVCA-H112/NR1DYBA  
ARVCA-H125/NR1DYBA



ARVCA-H22/4R1YB、ARVCA-H25/4R1YB、ARVCA-H28/4R1YB、  
ARVCA-H32/4R1YB、ARVCA-H36/4R1YB、ARVCA-H40/4R1YB、  
ARVCA-H45/4R1YB、ARVCA-H50/4R1YB、ARVCA-H56/4R1YB、  
ARVCA-H63/4R1YB、ARVCA-H71/4R1YB、ARVCA-H80/4R1YB  
ARVCA-H90/4R1YB

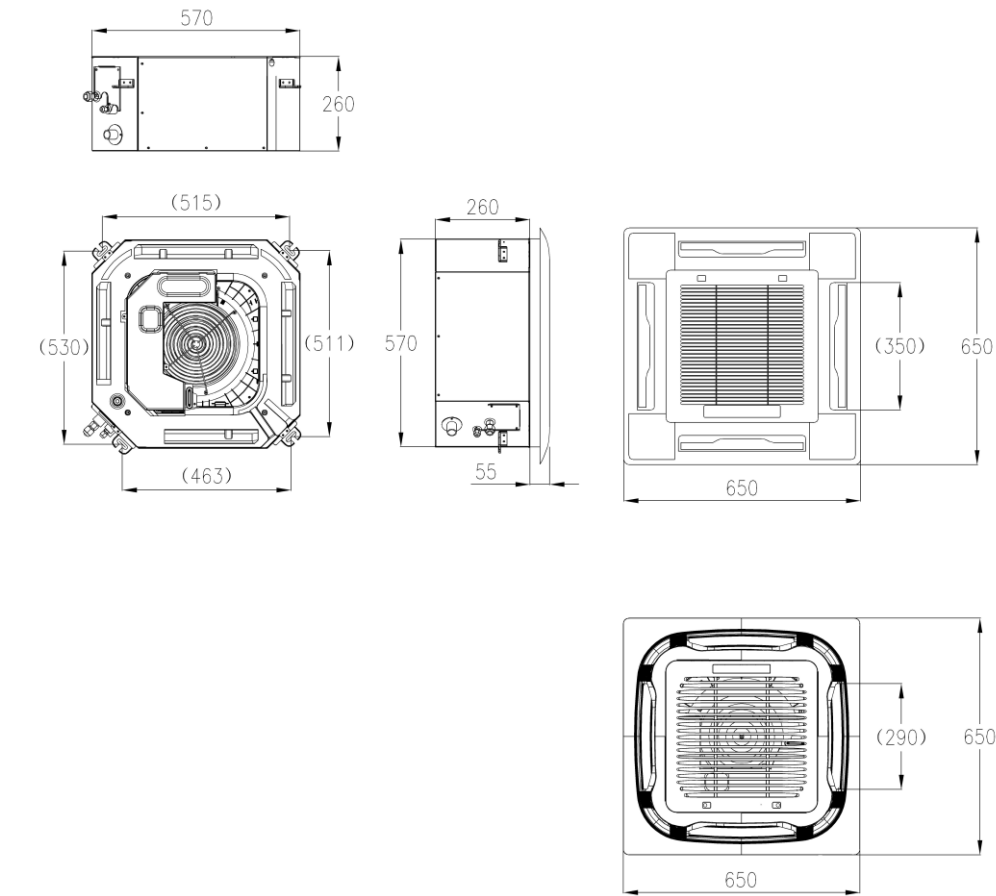


ARVCA-H100/4R1YB、ARVCA-H112/4R1YB、ARVCA-H125/4R1YB  
ARVCA-H140/4R1YAB、ARVCA-H140/4R1YB



Dimension Compact type Cassette DC

ARVCA-H28/NR1DYBA、ARVCA-H36/NR1DYBA  
ARVCA-H45/NR1DYBA、ARVCA-H56/NR1DYBA





# Ceiling & Floor

| Capacity(kw)       | 4.5 | 5.6 | 7.1 | 8 | 9 | 10 | 11.2 | 12.5 | 14 |
|--------------------|-----|-----|-----|---|---|----|------|------|----|
| DC Ceiling & Floor | ●   | ●   | ●   | ● | ● | ●  | ●    | ●    | ●  |
| AC Ceiling & Floor | ●   | ●   | ●   | ● | ● | ●  | ●    | ●    | ●  |



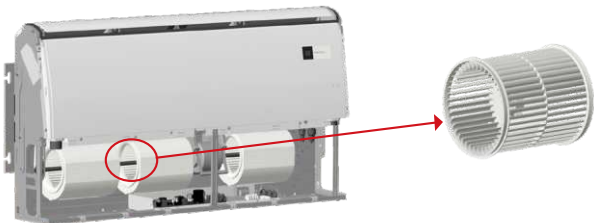
### ► Anti-condensation

Flocking design, good thermal insulation effect, avoid large temperature difference, anti-condensation



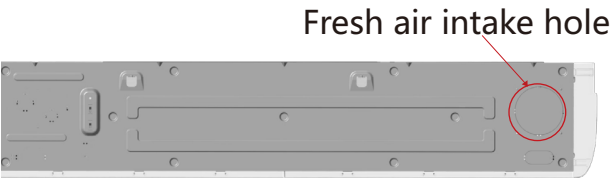
### ► Bigger Air Flow Volume

Innovative centrifugal fan with larger diameter, supply big ger air flow volume and lower noise.



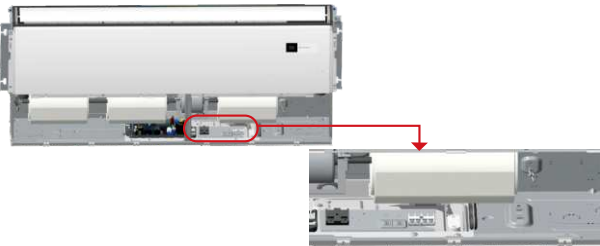
### ► Fresh air

Fresh air intake design to improve air quality.



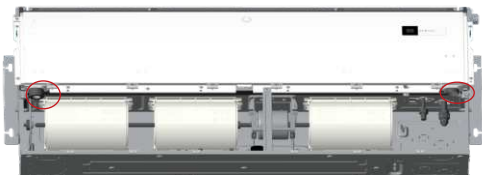
### ► The independent electric box lid

Easy to connect power line and controller line don 't need to disassemble the electric box lid when installation



### ► Easy drainage

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



# Specification

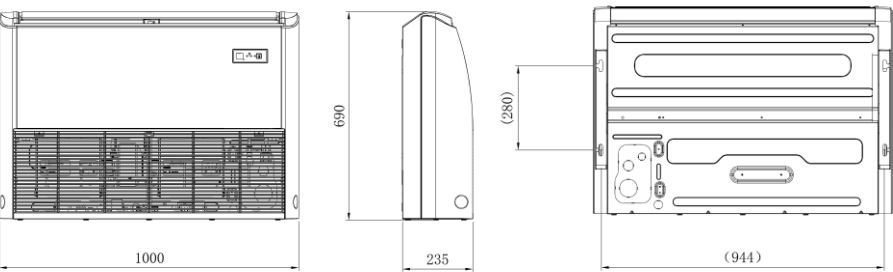
| Model                       |                               |          | ARVCF-H45/NR1DF     | ARVCF-H56/NR1DF     | ARVCF-H71/NR1DF     | ARVCF-H80/NR1DF        |
|-----------------------------|-------------------------------|----------|---------------------|---------------------|---------------------|------------------------|
| 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       |
| Capacity                    | Cooling                       | kW       | 4.5                 | 5.6                 | 7.1                 | 8.0                    |
|                             | Heating                       | kW       | 5.0                 | 6.3                 | 8.0                 | 9.0                    |
| Fan Motor                   | Output Power                  | W        | 40                  | 40                  | 40                  | 70                     |
| Indoor Unit                 | Indoor Air Flow (Tu/Hi/Mi/Lo) | m³/h     | 940/895/700/650/600 | 940/895/700/650/600 | 940/895/700/650/600 | 1300/1245/1020/930/840 |
|                             | Noise Level(Tu/Hi/Mi/Lo)      | dB(A)    | 42/41/38/37/36      | 42/41/38/37/36      | 42/41/38/37/36      | 43/42/39/38/37         |
|                             | Net Dimension (W×D×H)         | mm       | 1000×690×235        | 1000×690×235        | 1000×690×235        | 1280×690×235           |
|                             | Packing Dimension (W×D×H)     | mm       | 1080×770×325        | 1080×770×325        | 1080×770×325        | 1360×770×325           |
|                             | Net/Gross Weight              | Kg       | 29/33.5             | 29/33.5             | 29/33.5             | 35.5/41                |
| Refrigerant Pipe            | Liquid Side                   | mm       | 6.35(1/4)           | 6.35(1/4)           | 6.35(1/4)           | 9.52(3/8)              |
|                             | Gas Side                      | mm       | 12.7(1/2)           | 12.7(1/2)           | 12.7(1/2)           | 15.88(5/8)             |
|                             | Drainage                      | mm       | R3/4in(DN20)        | R3/4in(DN20)        | R3/4in(DN20)        | R3/4in(DN20)           |
| Operation Temperature Range |                               | ℃        | 16~32               | 16~32               | 16~32               | 16~32                  |
| Application Area            |                               | m²       | 20~35               | 25~45               | 30~50               | 35~55                  |
| Stuffing Quantity           | 20/40/40H                     | Unit     | 112/224/264         | 112/224/264         | 112/224/264         | 84/175/200             |

| Model                       |                               |          | ARVCF-H90/NR1DF        | ARVCF-H112/NR1DF         | ARVCF-H125/NR1DF         | ARVCF-H140/NR1DF         |
|-----------------------------|-------------------------------|----------|------------------------|--------------------------|--------------------------|--------------------------|
| 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         |
| Capacity                    | Cooling                       | kW       | 9.0                    | 11.2                     | 12.5                     | 14.0                     |
|                             | Heating                       | kW       | 11.0                   | 12.8                     | 14.0                     | 15.0                     |
| Fan Motor                   | Output Power                  | W        | 70                     | 120                      | 120                      | 120                      |
| Indoor Unit                 | Indoor Air Flow (Tu/Hi/Mi/Lo) | m³/h     | 1300/1245/1020/930/840 | 2040/1890/1740/1560/1440 | 2040/1890/1740/1560/1440 | 2040/1890/1740/1560/1440 |
|                             | Noise Level(Tu/Hi/Mi/Lo)      | dB(A)    | 43/42/39/38/37         | 50/49/45/43/41           | 50/49/45/43/41           | 50/49/45/43/41           |
|                             | Net Dimension (W×D×H)         | mm       | 1280×690×235           | 1600×690×235             | 1600×690×235             | 1600×690×235             |
|                             | Packing Dimension (W×D×H)     | mm       | 1360×770×325           | 1680×770×325             | 1680×770×325             | 1680×770×325             |
|                             | Net/Gross Weight              | Kg       | 35.5/41                | 42/49                    | 42/49                    | 42/49                    |
| Refrigerant Pipe            | Liquid Side                   | mm       | 9.52(3/8)              | 9.52(3/8)                | 9.52(3/8)                | 9.52(3/8)                |
|                             | Gas Side                      | mm       | 15.88(5/8)             | 15.88(5/8)               | 15.88(5/8)               | 15.88(5/8)               |
|                             | Drainage                      | mm       | R3/4in(DN20)           | R3/4in(DN20)             | R3/4in(DN20)             | R3/4in(DN20)             |
| Operation Temperature Range |                               | ℃        | 16~32                  | 16~32                    | 16~32                    | 16~32                    |
| Application Area            |                               | m²       | 40~60                  | 50~75                    | 50~90                    | 60~100                   |
| Stuffing Quantity           | 20/40/40H                     | Unit     | 84/175/200             | 70/147/168               | 70/147/168               | 70/147/168               |

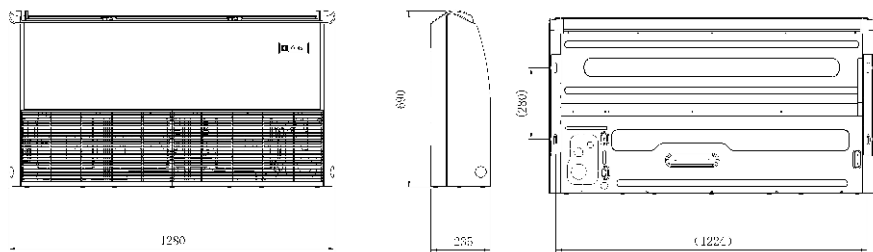
Remark:The above designs and specifications are subject to change of product improvement without prior notice.

# Dimension

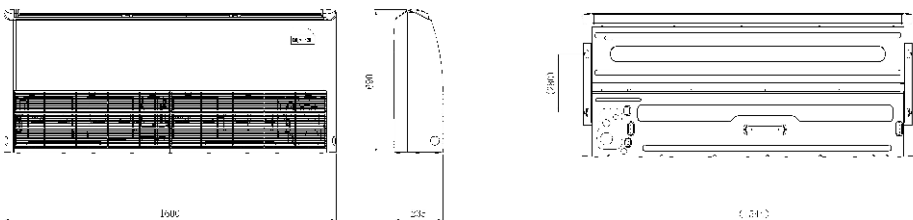
ARVCF-H45/NR1DF、ARVCF-H56/NR1DF  
ARVCF-H71/NR1DF



ARVCF-H80/NR1DF、ARVCF-H90/NR1DF



ARVCF-H112/NR1DF、ARVCF-H125/NR1DF  
ARVCF-H140/NR1DF



# Wall-mounted

| Capacity(kw)    | 2.2 | 2.8 | 3.6 | 4.5 | 5.6 | 7.1 |
|-----------------|-----|-----|-----|-----|-----|-----|
| DC Wall-mounted | ●   | ●   | ●   | ●   | ●   | ●   |

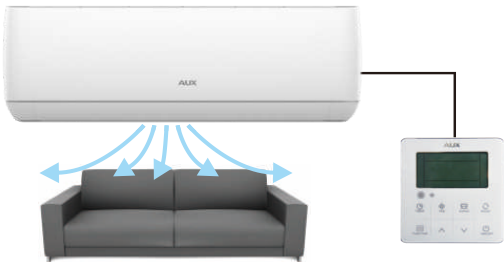


## ► A Variety Of Panels

A variety of panels can be chosen

## ► Wired Control

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



## ► 2 Ways Draining Connection

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

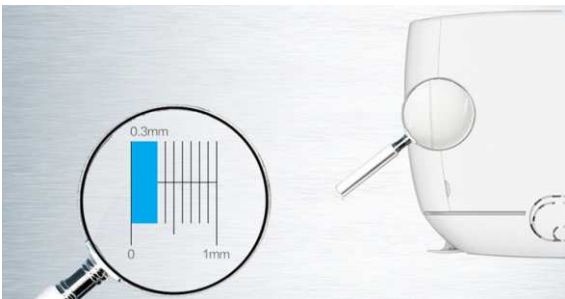


## ► Convenient Installation

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

## ► Superb craftsmanship

0.3mm seam, appearance integration





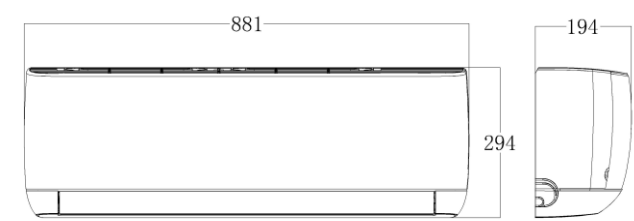
Specification

| Model                       |                               |          | ARVWM-H022/NR1DJA | ARVWM-H028/NR1DJA | ARVWM-H036/NR1DJA |
|-----------------------------|-------------------------------|----------|-------------------|-------------------|-------------------|
| Power Supply                |                               | V~,Hz,Ph | 220~240,50/60,1   | 220~240,50/60,1   | 220~240,50/60,1   |
| Capacity                    | Cooling                       | kW       | 2.2               | 2.8               | 3.6               |
|                             | Heating                       | kW       | 2.6               | 3.2               | 4.0               |
| Fan Motor                   | Output Power                  | W        | 20                | 20                | 20                |
| Unit                        | Indoor Air Flow (Tu/Hi/Mi/Lo) | m³/h     | 520/460/400       | 520/460/400       | 520/460/400       |
|                             | Noise Level(Hi/Mi/Lo)         | dB(A)    | 38/33/27          | 38/33/27          | 38/33/27          |
|                             | External Static Pressure      | Pa       | 0                 | 0                 | 0                 |
|                             | Net Dimension (W×H×D)         | mm       | 881x294x194       | 881x294x194       | 881x294x194       |
|                             | Packing Dimension (W×H×D)     | mm       | 965×370×282       | 965×370×282       | 965×370×282       |
|                             | Net/Gross Weight              | Kg       | 10.5/13.0         | 10.5/13.0         | 10.5/13.0         |
| Refrigerant Pipe            | Liquid Side                   | mm       | 6.35(1/4)         | 6.35(1/4)         | 6.35(1/4)         |
|                             | Gas Side                      | mm       | 9.52(3/8)         | 9.52(3/8)         | 9.52(3/8)         |
|                             | Drainage                      | mm       | R3/4in(DN20)      | R3/4in(DN20)      | R3/4in(DN20)      |
| Operation Temperature Range |                               | ℃        | 16~32             | 16~32             | 16~32             |
| Application Area            |                               | m²       | 10~20             | 10~25             | 15~30             |
| Stuffing Qty                | 20/40/40H                     | Unit     | 316/647/737       | 316/647/737       | 316/647/737       |

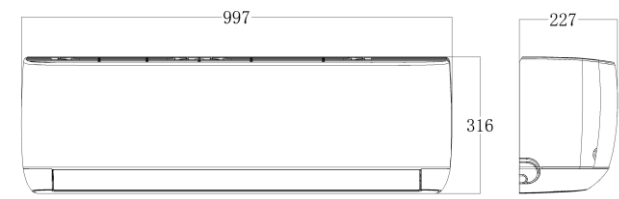
| Model                       |                               |          | ARVWM-H045/NR1DJA | ARVWM-H056/NR1DJA | ARVWM-H071/NR1DJA |
|-----------------------------|-------------------------------|----------|-------------------|-------------------|-------------------|
| Power Supply                |                               | V~,Hz,Ph | 220~240,50/60,1   | 220~240,50/60,1   | 220~240,50/60,1   |
| Capacity                    | Cooling                       | kW       | 4.5               | 5.6               | 7.1               |
|                             | Heating                       | kW       | 5.0               | 6.3               | 8.0               |
| Fan Motor                   | Output Power                  | W        | 30                | 30                | 40                |
| Unit                        | Indoor Air Flow (Tu/Hi/Mi/Lo) | m³/h     | 850/750/660       | 850/750/660       | 1000/900/800      |
|                             | Noise Level(Hi/Mi/Lo)         | dB(A)    | 42/38/34          | 42/38/34          | 44/40/37          |
|                             | External Static Pressure      | Pa       | 0                 | 0                 | 0                 |
|                             | Net Dimension (W×H×D)         | mm       | 997x316x227       | 997x316x227       | 1132x330x232      |
|                             | Packing Dimension (W×H×D)     | mm       | 1067x385x312      | 1067x385x312      | 1205x400x317      |
|                             | Net/Gross Weight              | Kg       | 13.5/16.5         | 13.5/16.5         | 15.5/19.0         |
| Refrigerant Pipe            | Liquid Side                   | mm       | 6.35(1/4)         | 6.35(1/4)         | 6.35(1/4)         |
|                             | Gas Side                      | mm       | 12.7(1/2)         | 12.7(1/2)         | 15.88(5/8)        |
|                             | Drainage                      | mm       | R3/4in(DN20)      | R3/4in(DN20)      | R3/4in(DN20)      |
| Operation Temperature Range |                               | ℃        | 16~32             | 16~32             | 16~32             |
| Application Area            |                               | m²       | 20~35             | 25~45             | 30~50             |
| Stuffing Qty                | 20/40/40H                     | Unit     | 241/498/563       | 241/498/563       | 176/410/465       |

Dimension

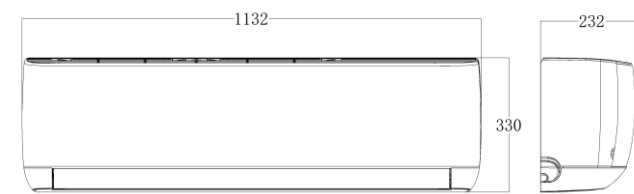
ARVWM-H022/NR1DJA、ARVWM-H028/NR1DJA  
ARVWM-H036/NR1DJA



ARVWM-H045/NR1DJA、ARVWM-H056/RN1DJA



ARVWM-H071/NR1DJA



Control System- 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

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  
15 Sleep Function  
16 Timer On/Off  
17 I Feel Function  
18 LED Display On/Off  
19 Anti-fungus Function  
20 Clean Function  
21 Auxiliary Electric Heating  
22 Spot Swing  
23 Economic Function

\*YK-L -for commissioning

Function

1. Background light
- The background light allows users to operate the device in a dark room. The device lights up when a button is pressed, and turns off when a given operation is completed.
2. Addresses setting
- Besides the machine' s auto addressing function, users can set the indoor unit' s address on the remote controller YK-L.

Specifications

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

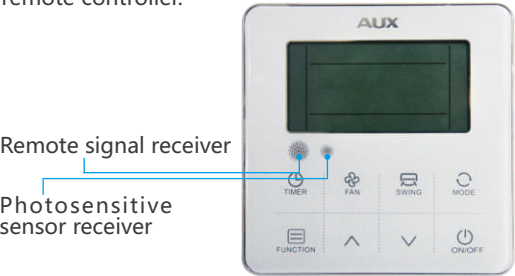
Control System-Wired Controller



Function

Built-In Remote Signal Receiver

A signal receiver is built-in the remote controller. Signal from remote controller can be received by wired con troller, 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.



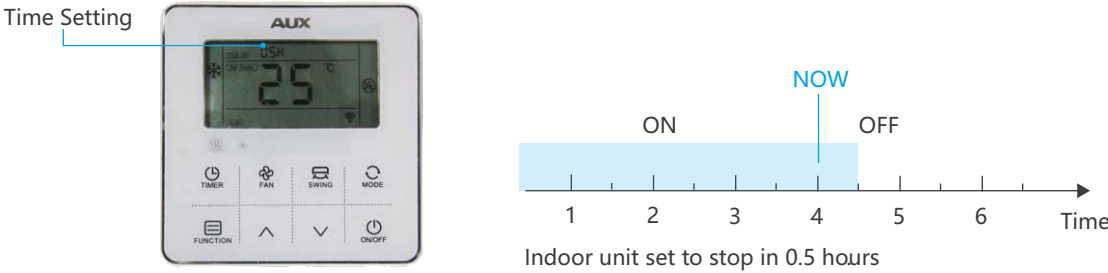
Follow Me

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.

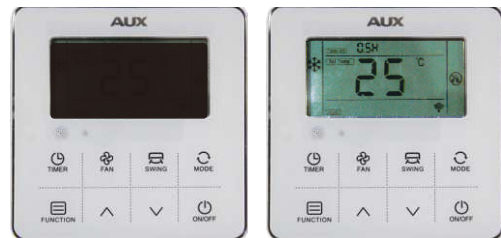




# Control System-Centralized Controllers

## ► 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.



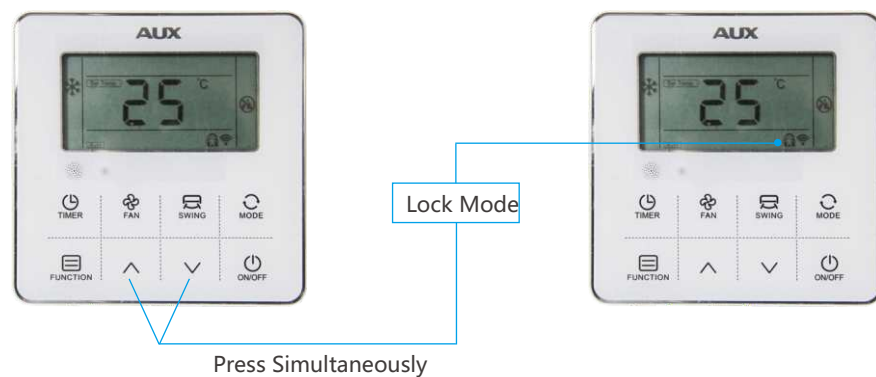
## ► Error Reporting

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.



## ► Specifications

|                       |                                                                                                |
|-----------------------|------------------------------------------------------------------------------------------------|
| Model                 | XK-05A<br> |
| Dimesion (WxHxD) (mm) | 120×120×18                                                                                     |
| Power Supply(V)       | DC 12V by IDU                                                                                  |

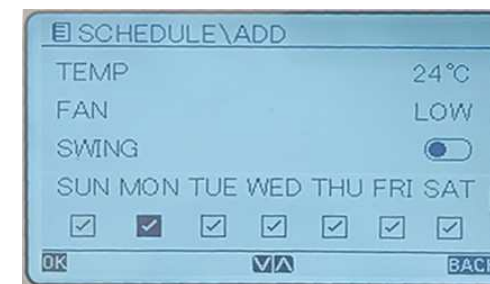


XK-06A

## ► New Features

### Weekly timer function

Easy setting of weekly running status



### Display room temp (Optional)

Accurately display room temperature



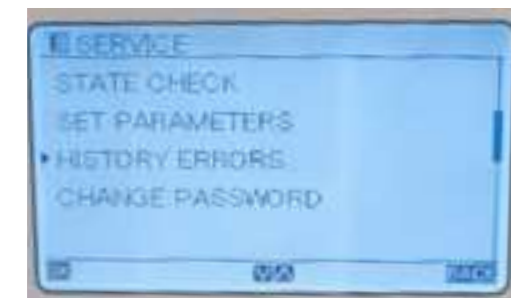
### Parameter Setting

Simple and convenient setting of parameter



### History errors

Simple and quick search of history errors



## ► Features

### Specifications

|                       |                                                                                                 |
|-----------------------|-------------------------------------------------------------------------------------------------|
| Model                 | XK-06A<br> |
| Dimesion (WxHxD) (mm) | 120×120×20                                                                                      |
| Power Supply(V)       | DC 12V by IDU                                                                                   |

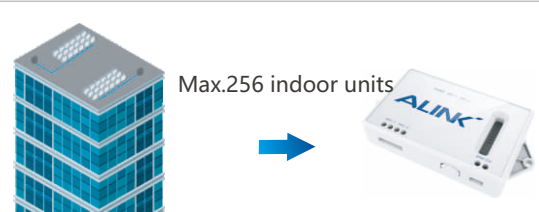
► Touch Screen Centralized Control

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



► Multi-system Control

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



► Multiple Lock function

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



► Weekly Schedule Control

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



► Indoor Units Operation Status Display

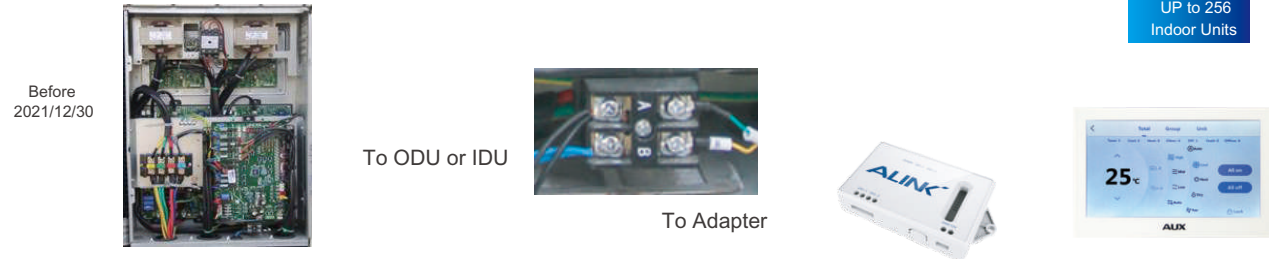
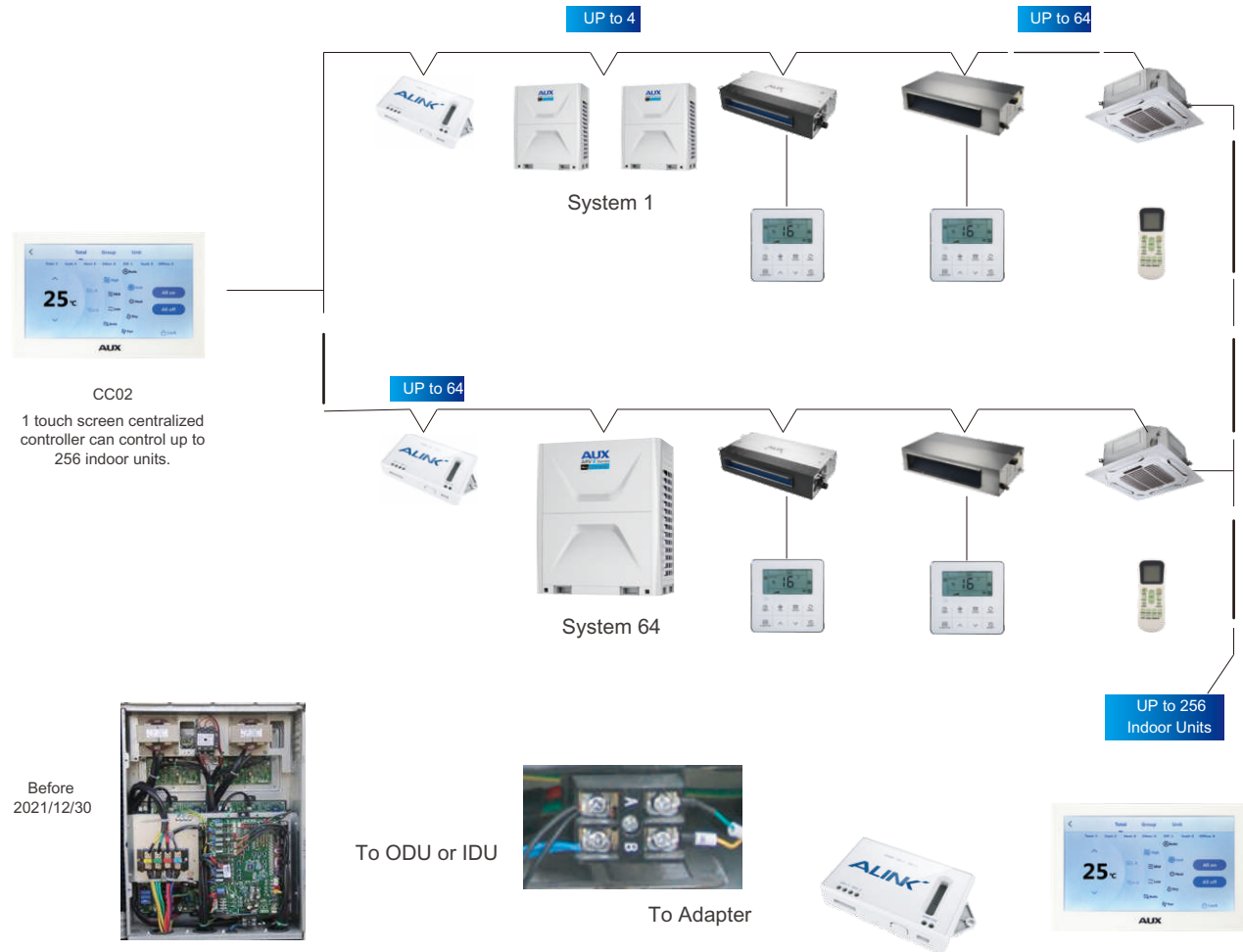
Error and protection codes are shown directly on centralized controller' s displays, no need to access outdoor unit' s PCBs to obtain codes .The building management professionals could inquire a wide range of historical error and protection codes to get the system status information before contacting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



► New Features

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.

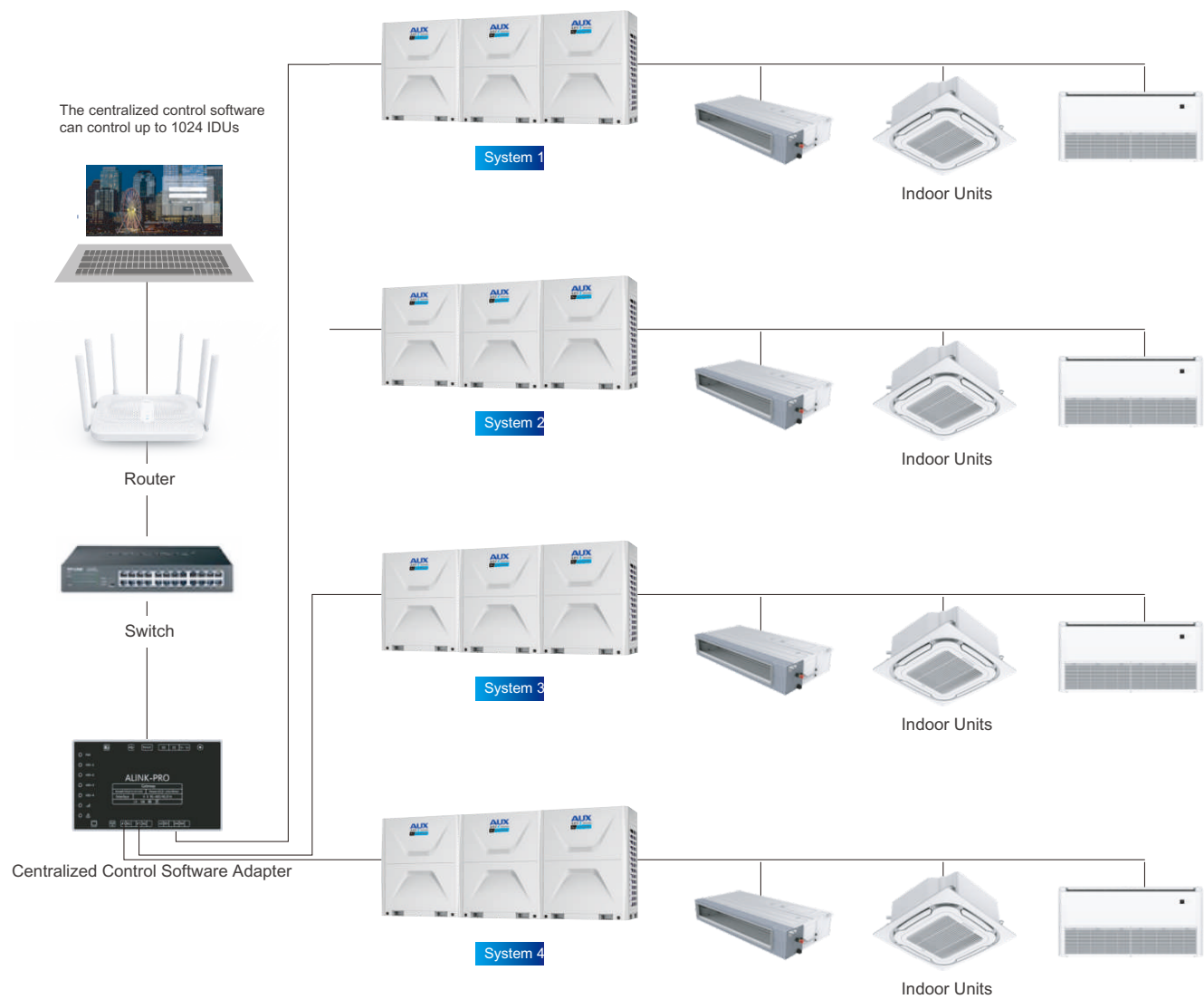


Main Components of Centralized Controller

|                       | CC-02                                                        | CM-MTD/AM01      |
|-----------------------|--------------------------------------------------------------|------------------|
| Model                 |                                                              |                  |
| 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           |



► System Overview



► System Overview

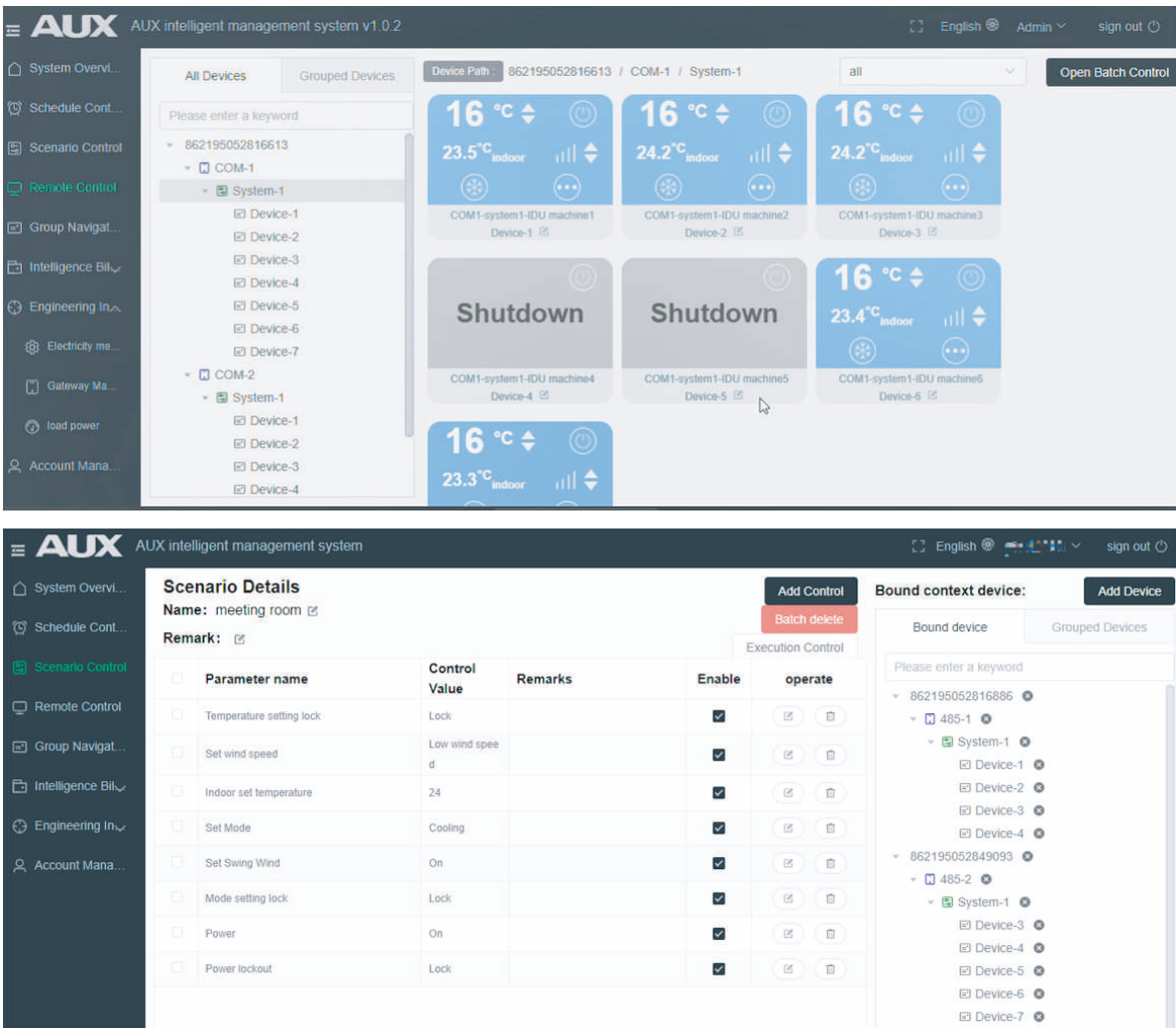
Users do not need to go to the harsh environment of the site, they can monitor the function of units just through computer. This greatly improves convenience of daily management and the efficiency of central air conditioners; Timely find the fault and save the maintenance cost of air conditioner units,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

Control System-Centralized Control Software

| 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°C ~55°C , 45%~75%<br>7.Dimension:178mm×115mm×85mm |
| 2  | Centralized control software | AUX intelligent management system                                                                                                                                                                                                                                        |

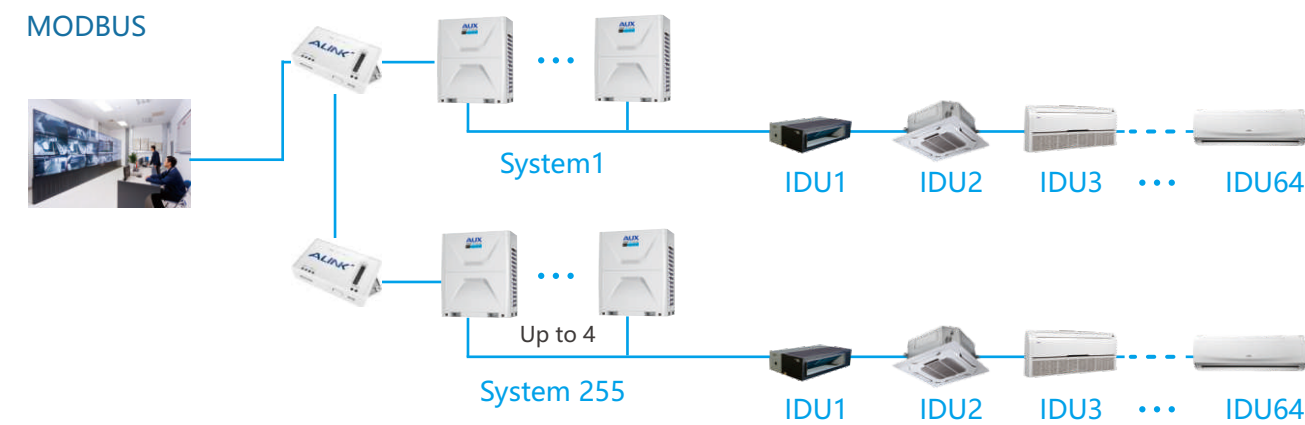
Notes:  
Routers, switches and other equipments are purchased locally by the user

► Software Introduction Main Interface

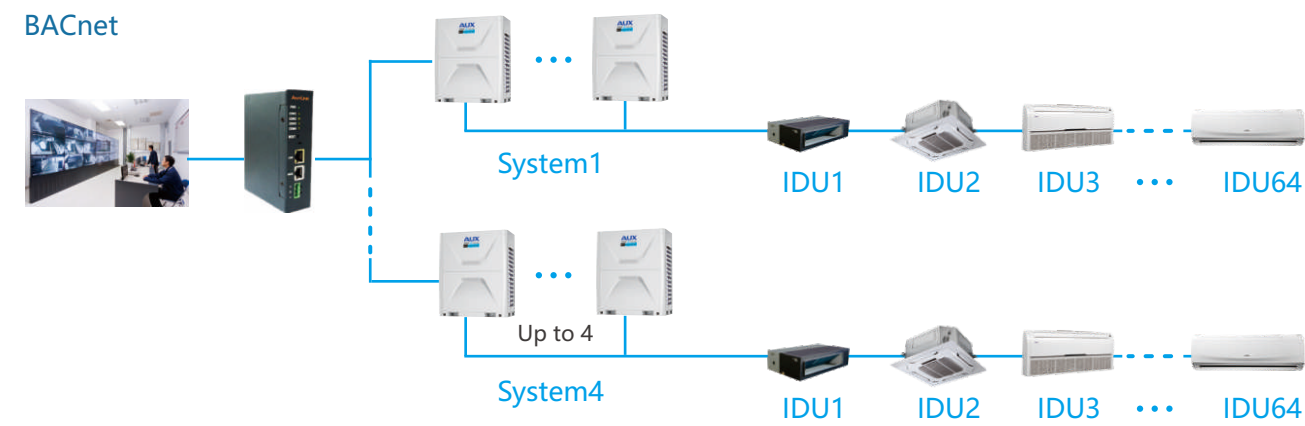


Control System-BMS System

► Overall Structure



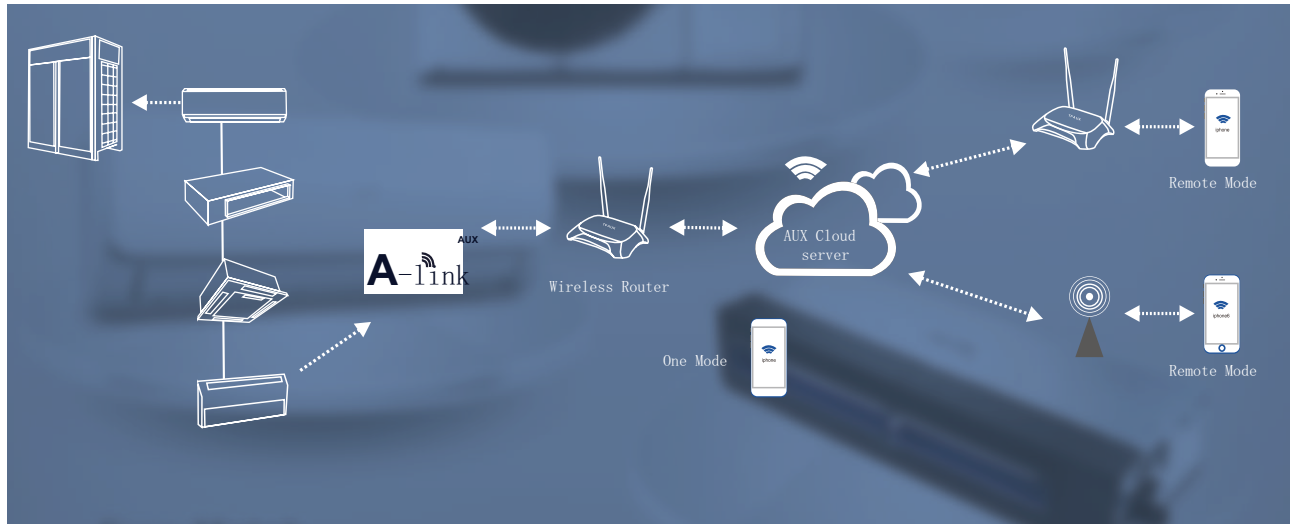
Notes:  
The master outdoor unit can also directly connect to MODBUS without mini gateway.  
For details, please contact AUX technical engineers



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

Control System-Wireless Network Control

► Schematic Diagram



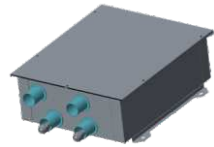
► Features

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

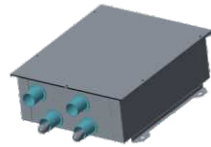


Control System-Accessories AHU Kit

ARVK-01A



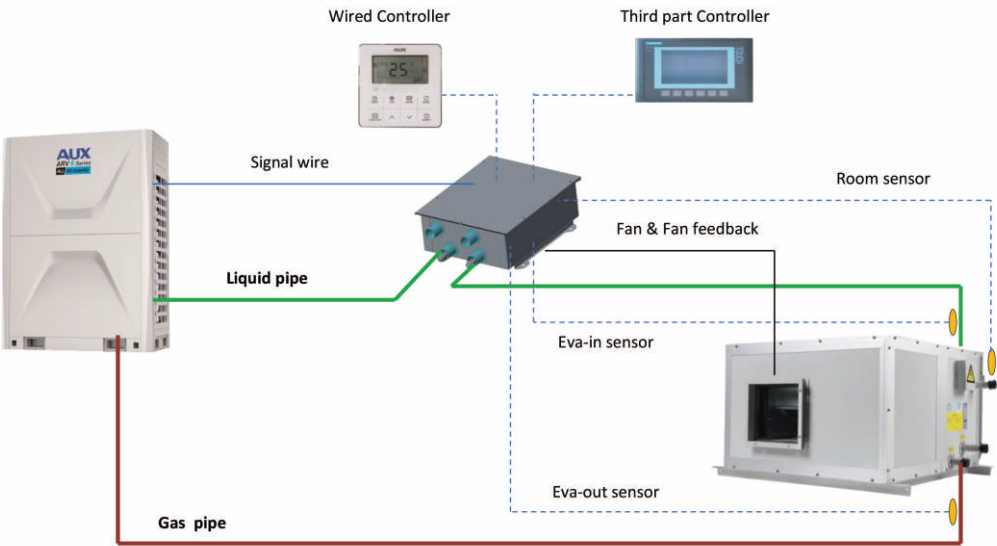
ARVK-02A



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

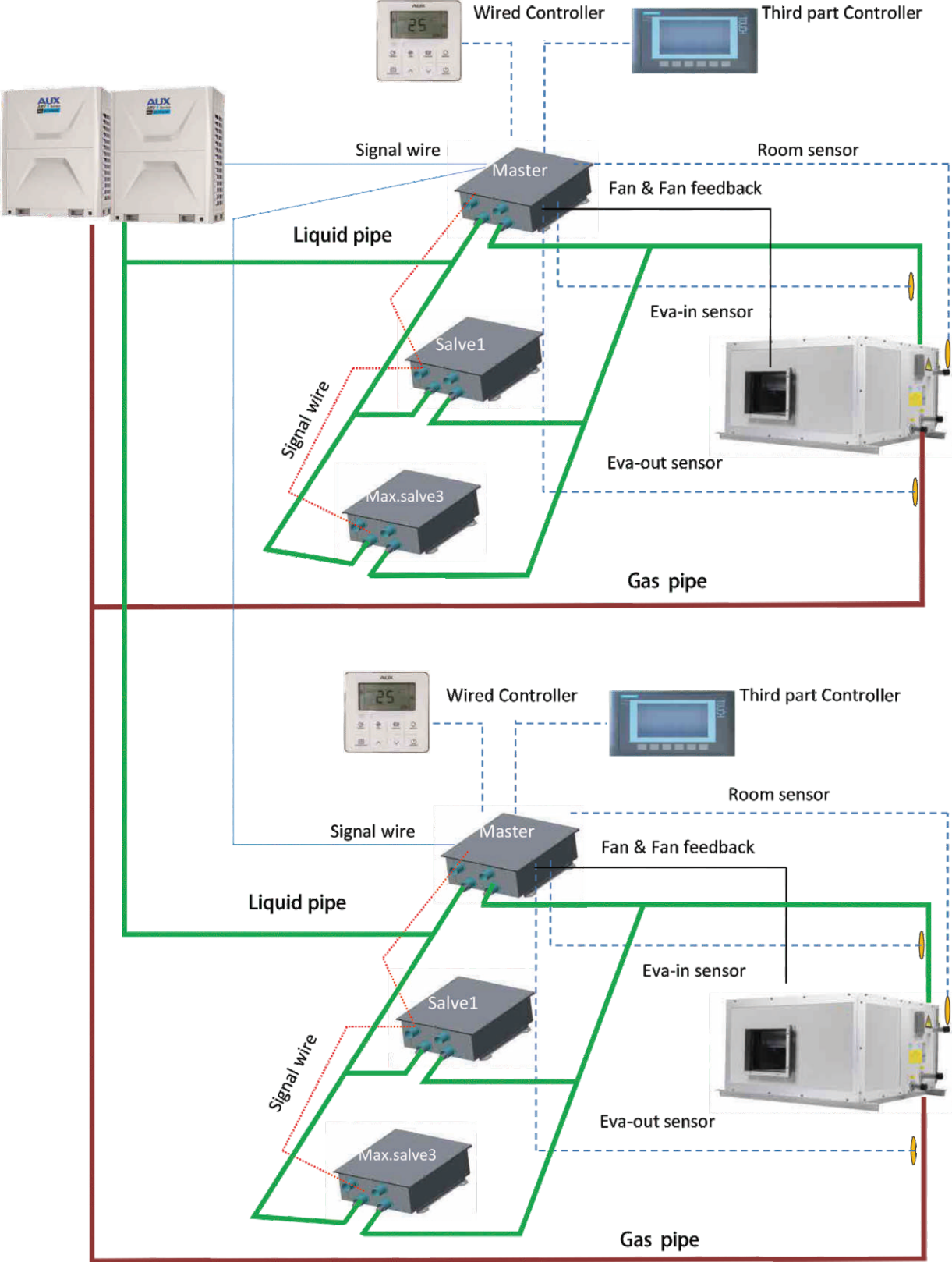
Remarks: applicable to MINI VRF (capacity ≥ 12KW)

Single AHU connection



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

Control System-Accessories AHU Kit

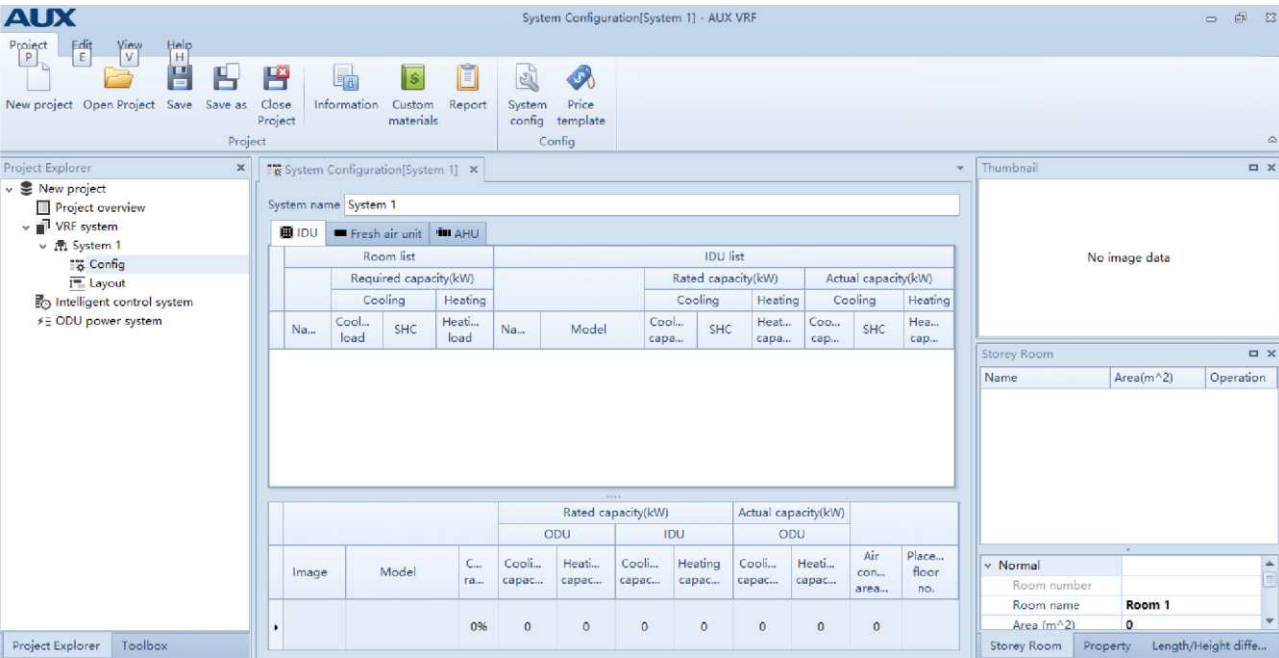


Above diagram suitable for factory default control, 0-10V(temperature control)

# Control System-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.

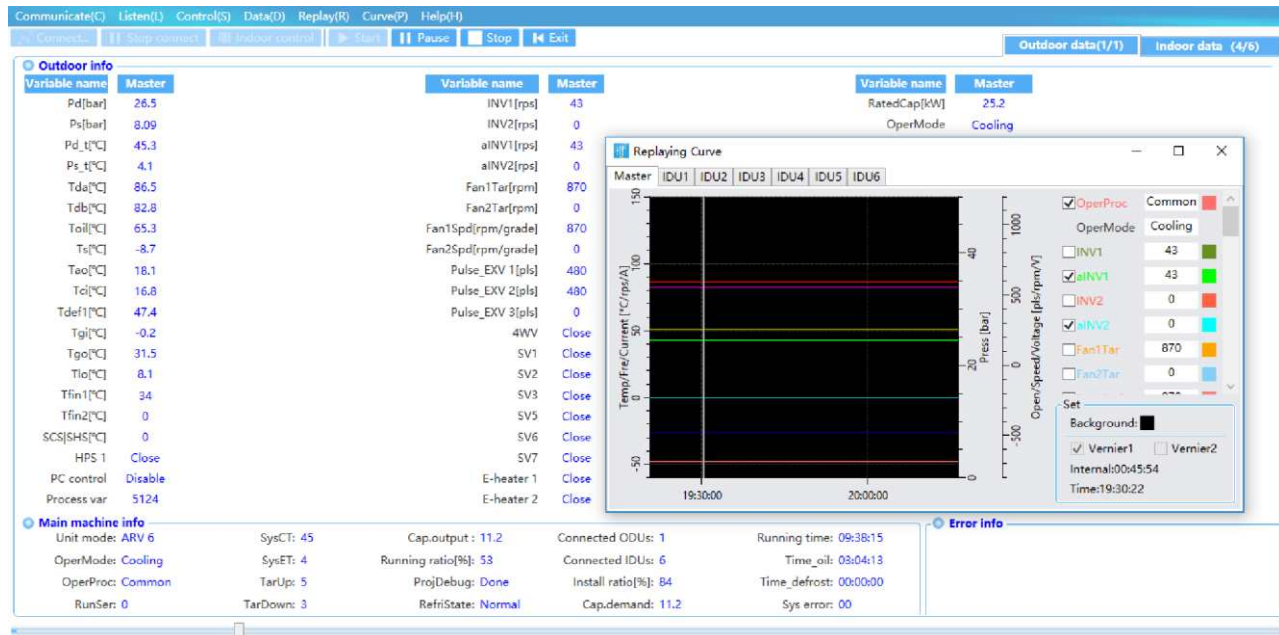
## ► 6 Parts Of The ARV Selection



# Control System-Accessories Monitoring Software

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

## ► Monitoring Software ( ARV6)

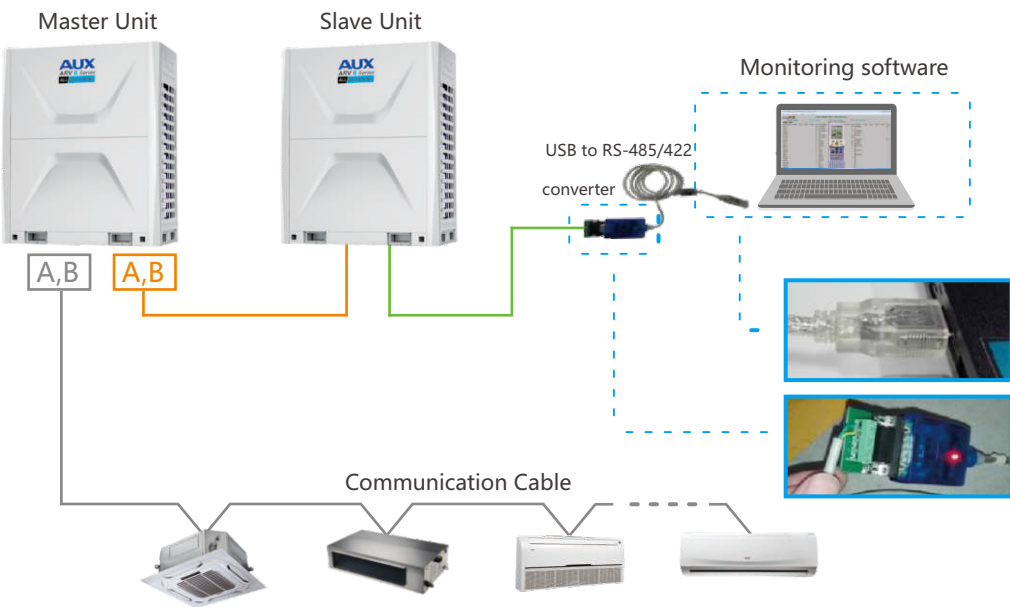


## Revit Models Series

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.



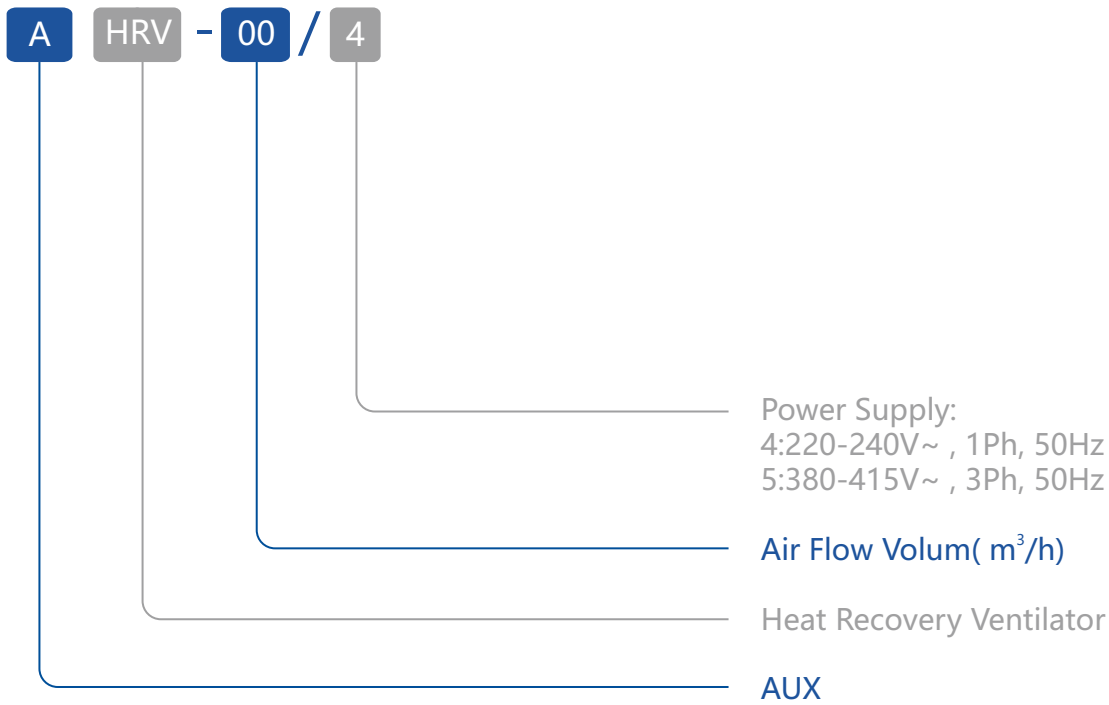
## ► Installation Diagram





# HRV-Heat Recovery Ventilator

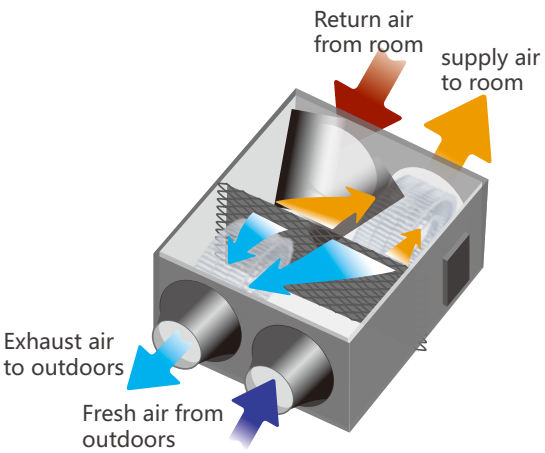
## Nomenclature



# HRV-Heat Recovery Ventilator

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

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



## Different Modes For Your Choice

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

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

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

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

For example:

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

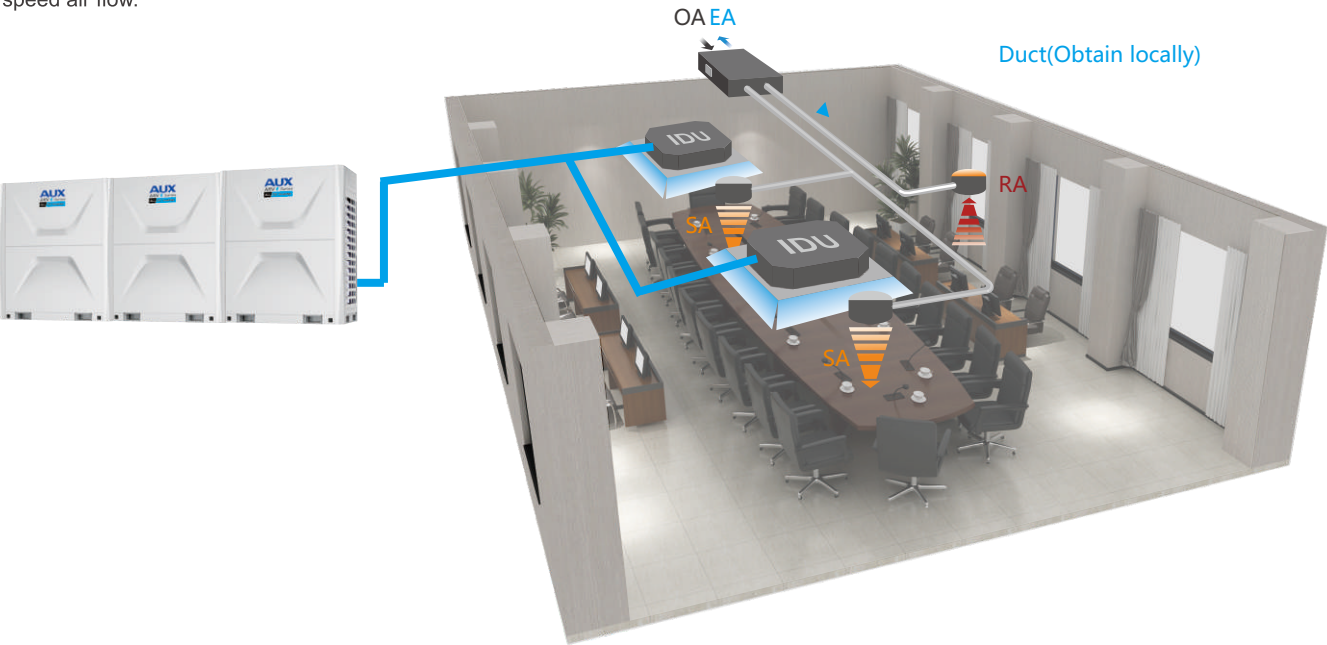
Remark: this mode is only available for HRV-200~1000.

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

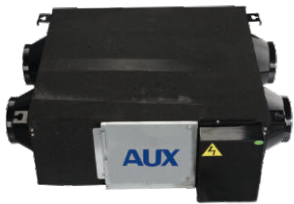
In this mode, supply air flow=exhaust air flow.

Auto mode

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



HRV



Specification HRV

| Model                    |                     |          | AHRV-200/4   | AHRV-300/4   | AHRV-400/4   | AHRV-500/4    | AHRV-600/4    | AHRV-800/4    | AHRV-1000/4   |
|--------------------------|---------------------|----------|--------------|--------------|--------------|---------------|---------------|---------------|---------------|
| Volume                   | m3/h                |          | 200          | 300          | 400          | 500           | 600           | 800           | 1000          |
|                          | CFM                 |          | 118          | 176          | 235          | 294           | 353           | 471           | 588           |
| External static pressure | Pa                  |          | 75           | 75           | 80           | 80            | 90            | 100           | 130           |
| Electric Data            | Power Supply        | V~,Hz,Ph | 220~240,50,1 | 220~240,50,1 | 220~240,50,1 | 220~240,50,1  | 220~240,50,1  | 220~240,50,1  | 220~240,50,1  |
|                          | Power Input         | W        | 65           | 120          | 200          | 220           | 242           | 410           | 510           |
| Cooling                  | Temp. Efficiency    | %        | 60           | 60           | 60           | 60            | 60            | 60            | 60            |
|                          | Enthalpy Efficiency | %        | 50           | 50           | 50           | 50            | 50            | 50            | 50            |
| Heating                  | Temp. Efficiency    | %        | 65           | 65           | 65           | 65            | 65            | 65            | 65            |
|                          | Enthalpy Efficiency | %        | 55           | 55           | 55           | 55            | 55            | 55            | 55            |
| Noise Level              | dB(A)               |          | 37           | 39           | 40           | 41            | 41            | 43            | 45            |
| Flange                   | mm                  |          | φ 144        | φ 144        | φ 144        | φ 194         | φ 194         | φ 243         | φ 243         |
| Net Weight               | kg                  |          | 25           | 27           | 30           | 41            | 41            | 68            | 82            |
| Net Dimension(WxDxH)     | mm                  |          | 848×654×264  | 926×722×270  | 926×927×270  | 1018×1024×270 | 1018×1024×270 | 1274×1007×388 | 1274×1257×388 |
| Gross Dimension(WxDxH)   | mm                  |          | 910×710×405  | 985×775×405  | 985×980×405  | 1085×1080×405 | 1085×1080×405 | 1335×1055×533 | 1345×1315×548 |

| Model                    |                     |          | AHRV-1500/5   | AHRV-2000/5   | AHRV-2500/5   | AHRV-3000/5   | AHRV-4000/5    | AHRV-5000/5    |
|--------------------------|---------------------|----------|---------------|---------------|---------------|---------------|----------------|----------------|
| Volume                   | m3/h                |          | 1500          | 2000          | 2500          | 3000          | 4000           | 5000           |
|                          | CFM                 |          | 882           | 1176          | 1471          | 1765          | 2353           | 2941           |
| External static pressure | Pa                  |          | 160           | 170           | 180           | 200           | 220            | 240            |
| Electric Data            | Power Supply        | V~,Hz,Ph | 220~240,50,1  | 220~240,50,1  | 380~415,50,3  | 380~415,50,3  | 380~415,50,3   | 380~415,50,3   |
|                          | Power Input         | W        | 1000          | 1200          | 2000          | 2100          | 2400           | 3000           |
| Cooling                  | Temp. Efficiency    | %        | 60            | 60            | 60            | 60            | 60             | 60             |
|                          | Enthalpy Efficiency | %        | 50            | 50            | 50            | 50            | 50             | 50             |
| Heating                  | Temp. Efficiency    | %        | 65            | 65            | 65            | 65            | 65             | 65             |
|                          | Enthalpy Efficiency | %        | 55            | 55            | 55            | 55            | 55             | 55             |
| Noise Level              | dB(A)               |          | 52            | 60            | 62            | 64            | 66             | 68             |
| Flange                   | mm                  |          | 320x300       | 320x300       | 320x300       | 320x300       | 323x253        | 500x690        |
| Net Weight               | kg                  |          | 200           | 225           | 240           | 270           | 265            | 280            |
| Net Dimension(WxDxH)     | mm                  |          | 1600×1270×540 | 1650×1470×540 | 1710×1400×600 | 1700×1630×640 | 1725×1450×1050 | 1820×1780×1050 |
| Gross Dimension(WxDxH)   | mm                  |          | 1668×1331×720 | 1770×1550×665 | 1770×1550×665 | 1760×1750×770 | 1785×1510×1180 | 1880×1840×1150 |

Branch Pipe

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

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

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



# MODULAR CHILLER & FCU

## ► Feature



Efficiency



Multi-module  
combination



Intelligent  
control

## ► Authentication



## Health



### Fresh Air Intake

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



### Long-term Filter

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

## Comfort



### Anti-Cold-Air

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



### Follow Me

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



### Fast Cooling /Heating

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



### Auto swing

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



### Independent Dehumidification

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



### 3D Air Flow

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



### Dimmer

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



### Silent

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

## Reliability



### Self-diagnosis Function

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



### Low Ambient Cooling

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



### Intelligent Defrosting

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



### No Frosting Chassis

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



### Golden Fin

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



### Fire-proof Electric Box

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



### Compressor Heating Belt

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

## Energy Saving



### 180° Sine Wave Control

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



### Sleep Mode

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



### Hydrophilic aluminum fin

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

## Convenience



### 24-hour Timer

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



### Built-in Drain Pump

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



### Dual side Drainage

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



### Digital Tube Display

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



### Remote Control

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



### Wired Control

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



### Central Control

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



### Washable Filter

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



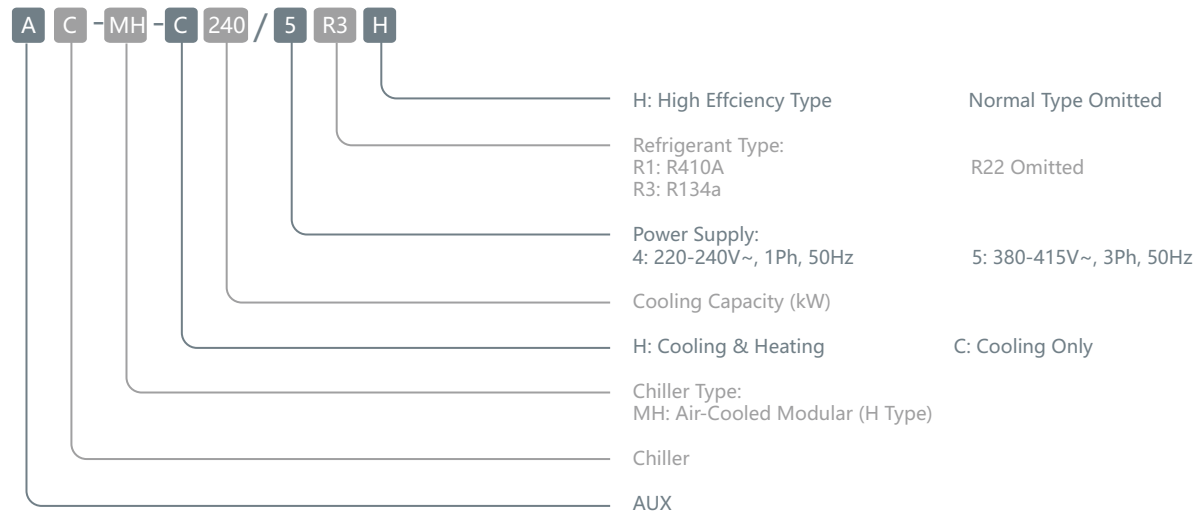
### Auto Restart Function

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

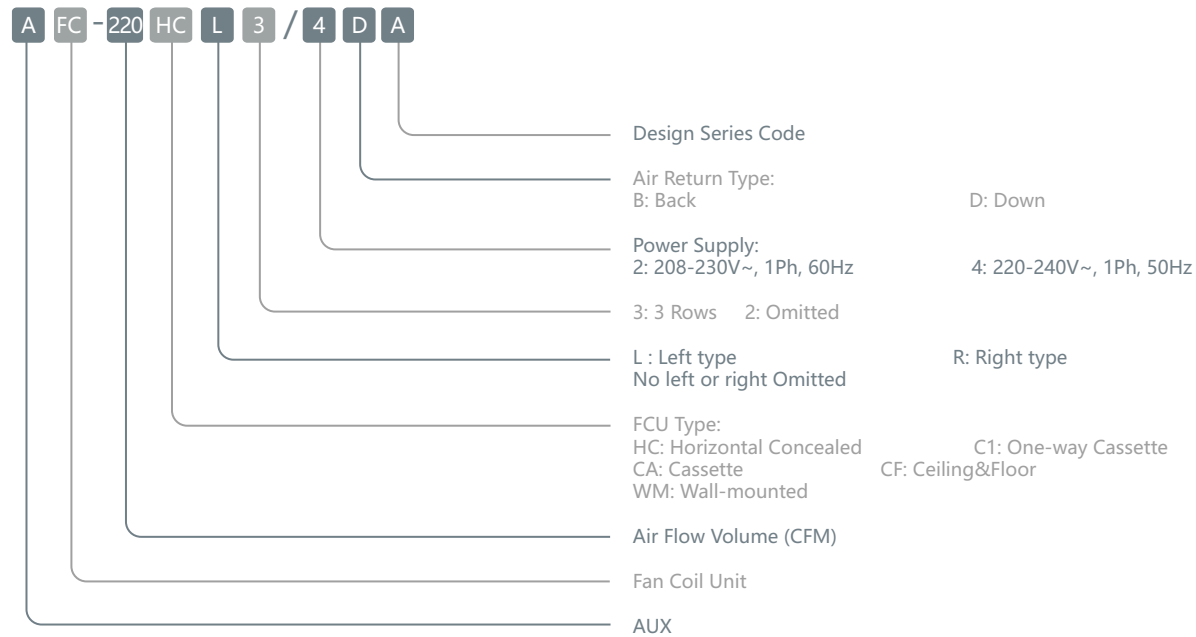


Nomenclature

Chiller



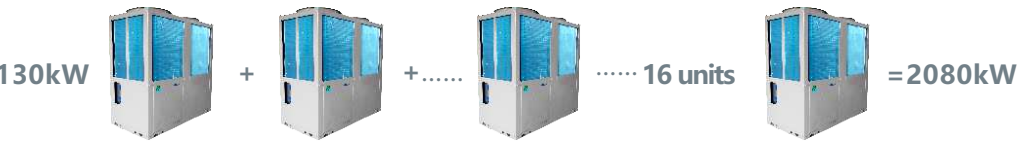
FCU



Specification-R410A 50Hz

| Model name | Outdoor                                                                               | Capacity | ACMH-H30/5R1B  | ACMH-H65/5R1A           | ACMH-H65/5R1B  | ACMH-H130/5R1C           |
|------------|---------------------------------------------------------------------------------------|----------|----------------|-------------------------|----------------|--------------------------|
| H Type     |  | kW       | 30<br>(Rotary) | 65<br>(Hermetic Scroll) | 65<br>(Rotary) | 130<br>(Hermetic Scroll) |

Multi-module, Wide capabilities(30-2080kw, 16 machine combinations)



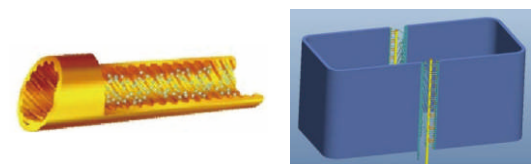
# H Type Modular Chiller



XK-06

## ► High Efficient Round Heat Exchanger

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



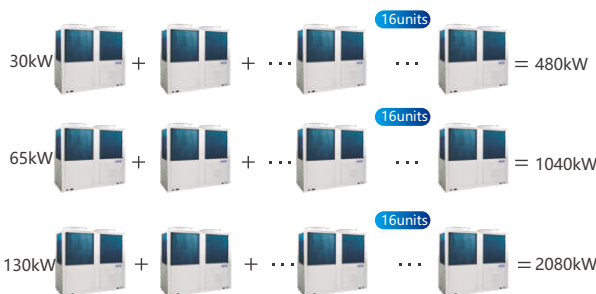
## ► Back-Up Running

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



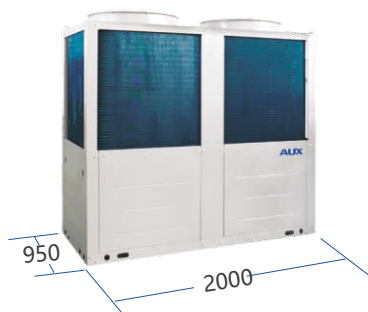
## ► Modular Design

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



## ► Compact Design

H type design takes less space.



# H Type Modular Chiller R410A

| Model                     |                           |          | ACMH-H30/5R1B                               | ACMH-H65/5R1A   | ACMH-H65/5R1B  |
|---------------------------|---------------------------|----------|---------------------------------------------|-----------------|----------------|
| Capacity                  | Cooling                   | Btu/h    | 100000                                      | 222000          | 222000         |
|                           |                           | kW       | 30                                          | 65              | 65             |
|                           | Heating                   | Btu/h    | 110000                                      | 242000          | 242000         |
|                           |                           | kW       | 33                                          | 71              | 71             |
| Electric Data             | Power Supply              | V~,Hz,Ph | 380,50,3                                    | 380~415,50,3    | 380~415,50,3   |
|                           | Rated Cooling Power Input | kW       | 9.4                                         | 19.2            | 19.2           |
|                           | Rated Heating Power Input | kW       | 10                                          | 21.5            | 21.5           |
|                           | Rated Cooling Current     | A        | 17.7                                        | 36.3            | 36.3           |
|                           | Rated Heating Current     | A        | 18                                          | 38.9            | 38.9           |
| Max. operation current    |                           | A        | 29                                          | 54.1            | 54.1           |
| Compressor                | Type                      | /        | Rotary                                      | Hermetic Scroll | Rotary         |
|                           | Quantity                  | Pieces   | 2                                           | 2               | 4              |
| Air-side Heat Exchanger   | Fan Quantity              | Pieces   | 1                                           | 2               | 2              |
|                           | Air Flow Volume           | m³/h     | 13500                                       | 13500×2         | 13500×2        |
|                           | Type                      | /        | High-efficiency tube in tube heat exchanger |                 |                |
| Water side heat exchanger | Water Resistance          | kPa      | 45                                          | 45              | 45             |
|                           | Water Flow                | m³/h     | 5.2                                         | 11.2            | 11.2           |
|                           | Max. Pressure             | Mpa      | 1                                           | 1               | 1              |
| Dimension(W×D×H)          | Net                       | mm       | 1000×950×1880                               | 2000×950×1880   | 2000×950×1880  |
|                           | Packing                   | mm       | 1050×1000×1980                              | 2050×1000×1980  | 2050×1000×1980 |
| Weight                    | Net/Gross                 | kg       | 310/325                                     | 580/595         | 625/640        |
| Inlet/Outlet Water Pipe   |                           | mm       | DN32                                        | DN50            | DN50           |
|                           | Noise                     | dB(A)    | ≤65                                         | ≤65             | ≤65            |
| Operation range           | Cooling                   | ℃        | 21~49℃                                      | 21~49℃          | 21~49℃         |
|                           | Heating                   | ℃        | -12~30℃                                     | -12~30℃         | -12~30℃        |

| Model                     |                           |          | ACMH-H130/5R1A                              | ACMH-H130/5R1C  |
|---------------------------|---------------------------|----------|---------------------------------------------|-----------------|
| Capacity                  | Cooling                   | Btu/h    | 443500                                      | 443500          |
|                           |                           | kW       | 130                                         | 130             |
|                           | Heating                   | Btu/h    | 477700                                      | 477700          |
|                           |                           | kW       | 142                                         | 142             |
| Electric Data             | Power Supply              | V~,Hz,Ph | 380,50,3                                    | 380,50,3        |
|                           | Rated Cooling Power Input | kW       | 38.4                                        | 38.4            |
|                           | Rated Heating Power Input | kW       | 40.5                                        | 40.5            |
|                           | Rated Cooling Current     | A        | 72.6                                        | 72.6            |
|                           | Rated Heating Current     | A        | 81.9                                        | 81.9            |
| Max. operation current    |                           | A        | 108.2                                       | 108.2           |
| Compressor                | Type                      | /        | Hermetic Scroll                             | Hermetic Scroll |
|                           | Quantity                  | Pieces   | 2                                           | 2               |
| Air-side Heat Exchanger   | Fan Quantity              | Pieces   | 2                                           | 2               |
|                           | Air Flow Volume           | m³/h     | 27000×2                                     | 27000×2         |
|                           | Type                      | /        | High-efficiency tube in tube heat exchanger |                 |
| Water side heat exchanger | Water Resistance          | kPa      | 55                                          | 45              |
|                           | Water Flow                | m³/h     | 22.4                                        | 22.4            |
|                           | Max. Pressure             | Mpa      | 1                                           | 1               |
| Dimension(W×D×H)          | Net                       | mm       | 2200×1100×2270                              | 2200×1100×2270  |
|                           | Packing                   | mm       | 2250×1150×2370                              | 2250×1150×2370  |
| Weight                    | Net/Gross                 | kg       | 945/965                                     | 945/965         |
| Inlet/Outlet Water Pipe   |                           | mm       | DN65                                        | DN65            |
|                           | Noise                     | dB(A)    | ≤68                                         | ≤68             |
| Operation range           | Cooling                   | ℃        | 21~49℃                                      | 21~49℃          |
|                           | Heating                   | ℃        | -12~30℃                                     | -12~30℃         |

Note:  
All the above data is measured base on the following working condition:  
1. Rated cooling working condition: water flow 0.172 m³/(h·kW), chilled water outlet temperature 7℃, ambient temperature 35℃/24℃, WB temperature 6℃;  
2. Rated heating working condition: water flow 0.172 m³/(h·kW), hot water outlet temperature 45℃, ambient temperature 7℃, WB temperature 6℃;  
3. "Max. operation current" working condition: chilled water outlet temperature is 15℃, water flow volume is 0.172m³/(h.kW), air-side inlet DB temperature is 49℃.  
4. Keep 1m away from the chiller front and 1.5m high when detecting noise level, environmental noise is lower than 30db(A);  
As a part of continuous product improvement, we reserves the right to change specifications without notice.



Cooling Capacity, Power Under Different Ambient and Water Outlet Temperature

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

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

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

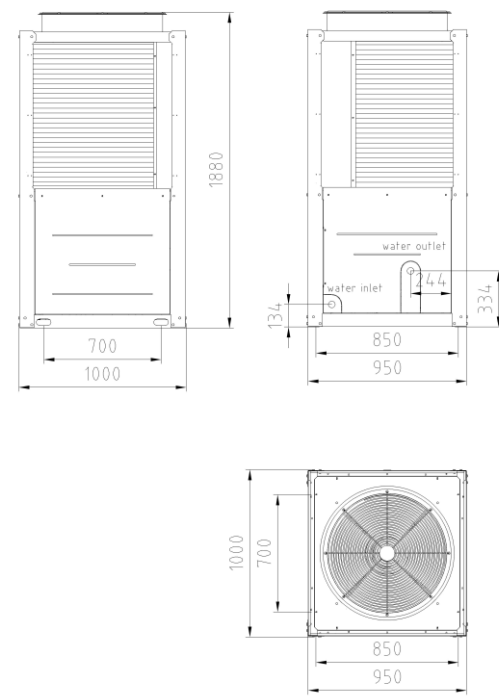
| Chilled water outlet temperature (°C) | Ambient Temperature(°C) |                      |                     |                      |                     |                      |                     |                      |                     |                      |                     |        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

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

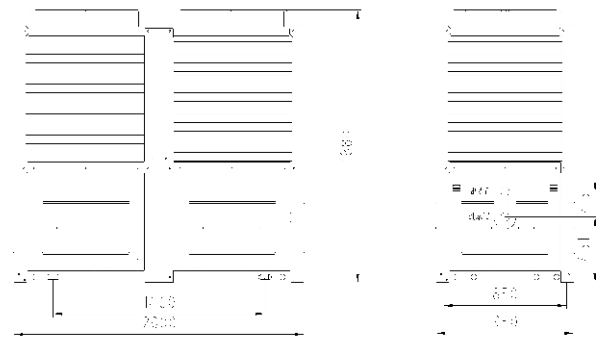
| Chilled water outlet temperature (°C) | Ambient Temperature(°C) |                      |                     |                      |                     |                      |                     |                      |                     |                      |                     |        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

Dimension

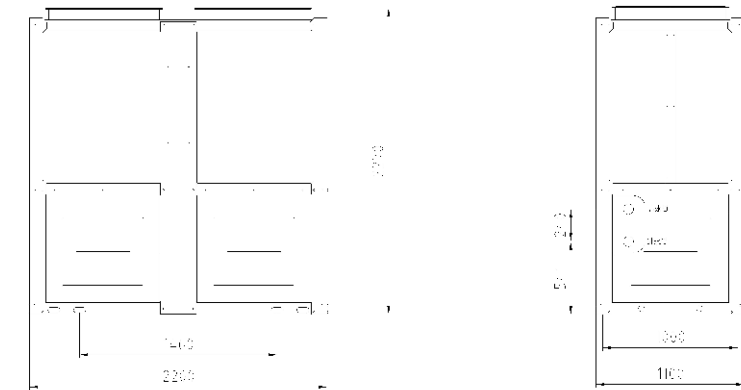
ACMH-H30/5R1B



ACMH-H65/5R1A、ACMH-H65/5R1B



ACMH-H130/5R1A、ACMH-H130/5R1C





# Fan Coil Unit Cassette

|              |        |        |        |        |        |         |         |         |
|--------------|--------|--------|--------|--------|--------|---------|---------|---------|
| Capacity(kw) | 300CFM | 400CFM | 500CFM | 600CFM | 800CFM | 1000CFM | 1200CFM | 1400CFM |
| Cassette     | •      | •      | •      | •      | •      | •       | •       | •       |



Standard



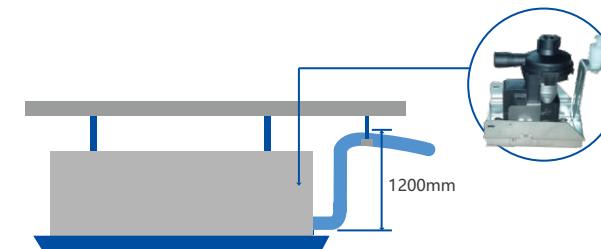
Optional



Central controller (Optional)

## ► Built-In Water Drainage Pump

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



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



Four-way Cassette



Round Flow Cassette

## ► Fresh Air Intake

Fresh air makes indoor air healthy and comfortable.



Fresh air intake

## ► Optimized Electric Box

Better fire-proof and easy to maintenance.





Specification

| Model                   |                           |          | AFC-300CA/4BA  | AFC-400CA/4BA  | AFC-500CA/4BA  | AFC-600CA/4BA  |
|-------------------------|---------------------------|----------|----------------|----------------|----------------|----------------|
| Power                   |                           | V~,Hz,Ph | 220~240V,50,1  | 220~240V,50,1  | 220~240V,50,1  | 220~240V,50,1  |
| Air Flow Volume         | H/M/L Speed               | m³/h     | 510/440/360    | 680/580/480    | 850/730/600    | 1020/765/510   |
| Cooling Capacity        | H/M/L Speed               | w        | 3300/2840/2380 | 3900/3350/2810 | 4500/3600/3060 | 5406/4595/3514 |
| Heating Capacity        | H/M/L Speed               | w        | 4800/4200/3700 | 5800/5100/4500 | 6750/5940/5200 | 8115/6898/5275 |
| Indoor Fan Motor        | Number of Fan Motor       | /        | 1              | 1              | 1              | 1              |
|                         | Output Power              | W        | 55             | 62             | 76             | 96             |
| Indoor Fan              | Number of Fan             |          | 1              | 1              | 1              | 1              |
|                         | Type                      |          |                |                |                |                |
| Noise Level             |                           | dB(A)    | ≤39            | ≤42            | ≤45            | ≤45            |
| Water Flow Volume       |                           | m³/h     | 0.62           | 0.7            | 0.94           | 1.15           |
| Hydraulic Resistance    |                           | Kpa      | 26             | 27             | 29             | 31             |
| Max.Working pressure    |                           | Mpa      | 1.6            | 1.6            | 1.6            | 1.6            |
| Dimension<br>(W*D*H)    | Net Dimension (body)      | mm       | 570×570×260    | 570×570×260    | 570×570×260    | 835×835×250    |
|                         | Packing Dimension(body)   | mm       | 650×650×290    | 650×650×290    | 650×650×290    | 910×910×310    |
|                         | Net Dimension (Panel)     | mm       | 650×650×55     | 650×650×55     | 650×650×55     | 950×950×55     |
|                         | Packing Dimension (Panel) | mm       | 710×710×80     | 710×710×80     | 710×710×80     | 1000×1000×100  |
|                         | Panel Net/Gross           | kg       | 3/5            | 3/5            | 3/5            | 5/7            |
| Weight                  | Body Net/Gross            | kg       | 18/20.3        | 18/20.3        | 18/20.3        | 24.5/28        |
| Drain Pipe              |                           | mm       | DN20           | DN20           | DN20           | DN20           |
| Inlet/Outlet Water Pipe |                           | mm       | DN20           | DN20           | DN20           | DN20           |

| Model                   |                           |                                         | AFC-800CA/4BA   | AFC-1000CA/4BA   | AFC-1200CA/4BA    | AFC-1400CA/4BA    |
|-------------------------|---------------------------|-----------------------------------------|-----------------|------------------|-------------------|-------------------|
| Power                   |                           | V~,Hz,Ph                                | 220~240V,50,1   | 220~240V,50,1    | 220~240V,50,1     | 220~240V,50,1     |
| Air Flow Volume         | H/M/L Speed               | m³/h                                    | 1360/1020/680   | 1700/1275/850    | 2040/1530/1020    | 2380/1785/1190    |
| Cooling Capacity        | H/M/L Speed               | w                                       | 7210/6129/4687  | 9018/7665/5862   | 10810/9189/7027   | 12611/10719/8197  |
| Heating Capacity        | H/M/L Speed               | w                                       | 10807/9186/7025 | 13512/11485/8783 | 16250/13774/10553 | 18901/16066/12286 |
| Indoor Fan Motor        | Number of Fan Motor       | /                                       | 1               | 1                | 1                 | 1                 |
|                         | Output Power              | W                                       | 134             | 165              | 189               | 225               |
| Indoor Fan              | Number of Fan             |                                         | 1               | 1                | 1                 | 1                 |
|                         | Type                      | Centrifugal wind wheel (White material) |                 |                  |                   |                   |
| Noise Level             |                           | dB(A)                                   | ≤46             | ≤48              | ≤50               | ≤52               |
| Water Flow Volume       |                           | m³/h                                    | 1.4             | 1.68             | 1.82              | 2.25              |
| Hydraulic Resistance    |                           | Kpa                                     | 34              | 36               | 39                | 42                |
| Max.Working pressure    |                           | Mpa                                     | 1.6             | 1.6              | 1.6               | 1.6               |
| Dimension<br>(W*D*H)    | Net Dimension (body)      | mm                                      | 835×835×250     | 835×835×290      | 835×835×290       | 835×835×290       |
|                         | Packing Dimension(body)   | mm                                      | 910×910×310     | 910×910×350      | 910×910×350       | 910×910×350       |
|                         | Net Dimension (Panel)     | mm                                      | 950×950×55      | 950×950×55       | 950×950×55        | 950×950×55        |
|                         | Packing Dimension (Panel) | mm                                      | 1000×1000×100   | 1000×1000×100    | 1000×1000×100     | 1000×1000×100     |
|                         | Panel Net/Gross           | kg                                      | 5/7             | 5/7              | 5/7               | 5/7               |
| Weight                  | Body Net/Gross            | kg                                      | 25.5/29         | 26.5/31          | 28/32.5           | 28/32.5           |
| Drain Pipe              |                           | mm                                      | DN20            | DN20             | DN20              | DN20              |
| Inlet/Outlet Water Pipe |                           | mm                                      | DN20            | DN20             | DN20              | DN20              |

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

| Model                        |                  |          | AFC-300CA/4BA  | AFC-400CA/4BA  | AFC-500CA/4BA  | AFC-600CA/4BA  |
|------------------------------|------------------|----------|----------------|----------------|----------------|----------------|
| Air Volume(H/M/L)            |                  | CFM      | 300/259/212    | 400/341/282    | 500/429/353    | 600/450/300    |
|                              |                  | m³/h     | 510/440/360    | 680/580/480    | 850/730/600    | 1020/765/510   |
| Cooling Capacity             | H/M/L Speed      | W        | 3300/2840/2380 | 3900/3350/2810 | 4500/3600/3060 | 5406/4595/3514 |
| Heating Capacity             | H/M/L Speed      | W        | 4800/4200/3700 | 5800/5100/4500 | 6750/5940/5200 | 8115/6898/5275 |
| Noise Level                  |                  | dB ( A ) | ≤39            | ≤42            | ≤45            | ≤45            |
| Fan Motor                    | Fan Quantity     |          | 1              | 1              | 1              | 1              |
|                              | Motor Quantity   |          | 1              | 1              | 1              | 1              |
|                              | Power Input      | W        | 55             | 62             | 76             | 96             |
| Water Flow Volume            |                  | m³/h     | 0.62           | 0.70           | 0.94           | 1.15           |
| Hydraulic Resistance         |                  | kPa      | 26             | 27             | 29             | 31             |
| Max.Working pressure         |                  | MPa      | 1.6            | 1.6            | 1.6            | 1.6            |
| Dimension<br>(WxDxH)         | Net(Body)        | mm       | 570×570×260    | 570×570×260    | 570×570×260    | 835×835×250    |
|                              | Packing(Body)    | mm       | 655×655×295    | 655×655×295    | 655×655×295    | 910×910×310    |
|                              | Net(Panel)       | mm       | 650×650×55     | 650×650×55     | 650×650×55     | 950×950×55     |
|                              | Packing(Panel)   | mm       | 710×710×80     | 710×710×80     | 710×710×80     | 1000×1000×100  |
|                              | Net/Gross(Body)  | kg       | 18/20.3        | 18/20.3        | 18/20.3        | 24.5/28        |
| Weight                       | Net/Gross(Panel) | kg       | 2.2/3.7        | 2.2/3.7        | 2.2/3.7        | 5.3/7.8        |
| Inlet/Outlet Water Pipe      |                  |          | Rc3/4" (DN20)  |                |                |                |
| Drain Pipe                   |                  |          | R3/4" (DN20)   |                |                |                |
| Stuffing Quantity(20/40/40H) |                  |          | 181/362/414    | 181/362/414    | 181/362/414    | 79/170/182     |

| Model                        |                  |          | AFC-800CA/4BA   | AFC-1000CA/4BA   | AFC-1200CA/4BA    | AFC-1400CA/4BA    |
|------------------------------|------------------|----------|-----------------|------------------|-------------------|-------------------|
| Air Volume(H/M/L)            |                  | CFM      | 800/600/400     | 1000/750/500     | 1200/900/600      | 1400/1050/700     |
|                              |                  | m³/h     | 1360/1020/680   | 1700/1275/850    | 2040/1530/1020    | 2380/1785/1190    |
| Cooling Capacity             | H/M/L Speed      | W        | 7210/6129/4687  | 9018/7665/5862   | 10810/9189/7027   | 12600/10719/8197  |
| Heating Capacity             | H/M/L Speed      | W        | 10807/9186/7025 | 13512/11485/8783 | 16205/13774/10553 | 18900/16066/12286 |
| Noise Level                  |                  | dB ( A ) | ≤46             | ≤48              | ≤50               | ≤52               |
| Fan Motor                    | Fan Quantity     |          | 1               | 1                | 1                 | 1                 |
|                              | Motor Quantity   |          | 1               | 1                | 1                 | 1                 |
|                              | Power Input      | W        | 134             | 165              | 189               | 225               |
| Water Flow Volume            |                  | m³/h     | 1.4             | 1.68             | 1.82              | 2.25              |
| Hydraulic Resistance         |                  | kPa      | 34              | 36               | 39                | 42                |
| Max.Working pressure         |                  | MPa      | 1.6             | 1.6              | 1.6               | 1.6               |
| Dimension<br>(WxDxH)         | Net(Body)        | mm       | 835×835×250     | 835×835×290      | 835×835×290       | 835×835×290       |
|                              | Packing(Body)    | mm       | 910×910×310     | 910×910×350      | 910×910×350       | 910×910×350       |
|                              | Net(Panel)       | mm       | 950×950×55      | 950×950×55       | 950×950×55        | 950×950×55        |
|                              | Packing(Panel)   | mm       | 1000×1000×100   | 1000×1000×100    | 1000×1000×100     | 1000×1000×100     |
|                              | Net/Gross(Body)  | kg       | 25.5/29         | 26.5/31          | 28/32.5           | 28/32.5           |
| Weight                       | Net/Gross(Panel) | kg       | 5.3/7.8         | 5.3/7.8          | 5.3/7.8           | 5.3/7.8           |
| Inlet/Outlet Water Pipe      |                  |          | Rc3/4" (DN20)   |                  |                   |                   |
| Drain Pipe                   |                  |          | R3/4" (DN20)    |                  |                   |                   |
| Stuffing Quantity(20/40/40H) |                  |          | 79/170/182      | 74/156/172       | 74/156/172        | 74/156/172        |

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



## Fan Coil Unit Horizontal Concealed

|                         |        |        |        |        |        |        |         |         |         |
|-------------------------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| Capacity(kw)            | 200CFM | 300CFM | 400CFM | 500CFM | 600CFM | 800CFM | 1000CFM | 1200CFM | 1400CFM |
| Horizontal<br>Concealed | •      | •      | •      | •      | •      | •      | •       | •       | •       |



Temperature Controller Central controller (Optional)

### ► Return Air Plenum and Filter Air Standard

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



### ► Pipe Connecting Direction Free Choice

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



### ► Adjustable ESP

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



### ► External Static Pressure

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





Duct steel fan

| Model                   |                          |       | AFC-200HCR3/4BA6M                       | AFC-300HCR3/4BA6M | AFC-200HCR3/4BA6M |
|-------------------------|--------------------------|-------|-----------------------------------------|-------------------|-------------------|
| Power                   | V~,HZ,Ph                 |       | 220~240V,50Hz,1                         | 220~240V,50Hz,1   | 220~240V,50Hz,1   |
| Air Flow Volume         | H/M/L Speed              | m³/h  | 340/255/170                             | 510/382/255       | 680/510/340       |
| Cooling Capacity        | H/M/L Speed              | w     | 2250/1921/1469                          | 3200/2732/2089    | 4250/3630/2777    |
| Heating Capacity        | H/M/L Speed              | w     | 3900/3327/2544                          | 5222/4461/3412    | 6728/5737/4388    |
| Indoor Fan Motor        | Number of motor          |       | 1                                       | 1                 | 1                 |
|                         | Output Power             |       | 44                                      | 59                | 72                |
| Indoor Fan              | Number of Fan            |       | 1                                       | 2                 | 2                 |
|                         | Type                     |       | Steel–Centrifugal forward curved blades |                   |                   |
| Sound Pressure level    | 12Pa (Optional)          | dB(A) | ≤36                                     | ≤39               | ≤40.5             |
|                         | 30Pa (Standard)          | dB(A) | ≤40                                     | ≤42               | ≤44               |
| Water Flow Volume       |                          | m³/h  | 0.4                                     | 0.55              | 0.75              |
| Hydraulic Resistance    |                          | Kpa   | ≤30                                     | ≤30               | ≤30               |
| Max.Working pressure    |                          | Mpa   | 1.6                                     | 1.6               | 1.6               |
| Dimension               | Net Dimension (W*D*H)    | mm    | 694×518×240                             | 894×518×240       | 894×518×240       |
|                         | Packing Dimension (Body) | mm    | 715×260×545                             | 915×260×545       | 915×260×545       |
| Weight                  | Net/Gross                | kg    |                                         | 18.3/20.8         |                   |
| Drain Pipe              |                          | mm    |                                         | DN20              |                   |
| Inlet/Outlet Water Pipe |                          |       |                                         | DN20              |                   |

| Model                   |                          |       | AFC-500HCR3/4BA6M                       | AFC-600HCR3/4BA6M | AFC-800HCR3/4BA6M |
|-------------------------|--------------------------|-------|-----------------------------------------|-------------------|-------------------|
| Power                   | V~,HZ,Ph                 |       | 220~240V,50Hz,1                         | 220~240V,50Hz,1   | 220~240V,50Hz,1   |
| Air Flow Volume         | H/M/L Speed              | m³/h  | 850/638/425                             | 1020/765/510      | 1360/1020/680     |
| Cooling Capacity        | H/M/L Speed              | w     | 5030/4289/3280                          | 6200/5276/4035    | 8120/6912/5286    |
| Heating Capacity        | H/M/L Speed              | w     | 7903/6735/5150                          | 10200/8686/6643   | 13570/11542/8827  |
| Indoor Fan Motor        | Number of motor          |       | 1                                       | 1                 | 2                 |
|                         | Output Power             |       | 87                                      | 108               | 156               |
| Indoor Fan              | Number of Fan            |       | 2                                       | 2                 | 3                 |
|                         | Type                     |       | Steel–Centrifugal forward curved blades |                   |                   |
| Sound Pressure level    | 12Pa (Optional)          | dB(A) | ≤42                                     | ≤45               | ≤46               |
|                         | 30Pa (Standard)          | dB(A) | ≤46                                     | ≤47               | ≤48               |
| Water Flow Volume       |                          | m³/h  | 0.85                                    | 1.08              | 1.4               |
| Hydraulic Resistance    |                          | Kpa   | ≤30                                     | ≤40               | ≤40               |
| Max.Working pressure    |                          | Mpa   | 1.6                                     | 1.6               | 1.6               |
| Dimension               | Net Dimension (W*D*H)    | mm    | 1039×518×240                            | 1129×518×240      | 1319×518×240      |
|                         | Packing Dimension (Body) | mm    | 1060×260×545                            | 1150×260×545      | 1340×260×545      |
| Weight                  | Net/Gross                | kg    |                                         | 22.2/25.7         |                   |
| Drain Pipe              |                          | mm    |                                         | DN20              |                   |
| Inlet/Outlet Water Pipe |                          | mm    |                                         | DN20              |                   |

Specification-FCU-Horizontal duct 6 series 50HZ

3 Row Steel fan

| Model                   |                          |       | AFC-1000HCR3/4BA6M                      | AFC-1200HCR3/4BA6M | AFC-1400HCR3/4BA6M |
|-------------------------|--------------------------|-------|-----------------------------------------|--------------------|--------------------|
| Power                   | V~,HZ,Ph                 |       | 220~240V,50Hz,1                         | 220~240V,50Hz,1    | 220~240V,50Hz,1    |
| Air Flow Volume         | H/M/L Speed              | m³/h  | 1700/1275/850                           | 2040/1530/1020     | 2380/1785/1190     |
| Cooling Capacity        | H/M/L Speed              | w     | 9800/8346/6383                          | 11250/9572/7320    | 13200/11229/8587   |
| Heating Capacity        | H/M/L Speed              | w     | 16025/13633/10426                       | 19800/16835/12874  | 22100/18786/14366/ |
| Indoor Fan Motor        | Number of motor          |       | 2                                       | 2                  | 2                  |
|                         | Output Power             |       | 174                                     | 212                | 253                |
| Indoor Fan              | Number of Fan            |       | 4                                       | 4                  | 4                  |
|                         | Type                     |       | Steel–Centrifugal forward curved blades |                    |                    |
| Sound Pressure level    | 12Pa (Optional)          | dB(A) | ≤48                                     | ≤50                | ≤52                |
|                         | 30Pa (Standard)          | dB(A) | ≤50                                     | ≤52                | ≤54                |
| Water Flow Volume       |                          | m³/h  | 1.7                                     | 2                  | 2.3                |
| Hydraulic Resistance    |                          | Kpa   | ≤40                                     | ≤40                | ≤50                |
| Max.Working pressure    |                          | Mpa   | 1.6                                     | 1.6                | 1.6                |
| Dimension               | Net Dimension (W*D*H)    | mm    | 1619×518×240                            | 1719×518×240       | 1909×518×240       |
|                         | Packing Dimension (Body) | mm    | 1640×260×545                            | 1740×260×545       | 1930×260×545       |
| Weight                  | Net/Gross                | kg    |                                         | 36.9/41.5          |                    |
| Drain Pipe              |                          | mm    |                                         | DN20               |                    |
| Inlet/Outlet Water Pipe |                          | mm    |                                         | DN20               |                    |

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

Specification

| Model                   |                          |       | AFC-200HCR/4BA6 | AFC-300HCR/4BA6 | AFC-400HCR/4BA6 | AFC-500HCR/4BA6 |
|-------------------------|--------------------------|-------|-----------------|-----------------|-----------------|-----------------|
| Power                   | V~,HZ,Ph                 |       | 220~240V,50Hz,1 | 220~240V,50Hz,1 | 220~240V,50Hz,1 | 220~240V,50Hz,1 |
| Air Flow Volume         | H/M/L Speed              | m³/h  | 340/255/170     | 510/382/255     | 680/510/340     | 850/638/425     |
| Cooling Capacity        | H/M/L Speed              | w     | 1800/1537/1175  | 2700/2305/1763  | 3600/3075/2352  | 4500/3837/2934  |
| Heating Capacity        | H/M/L Speed              | w     | 2700/2303/1761  | 4050/3460/2646  | 5400/4605/3522  | 6750/5752/4399  |
| Indoor Fan Motor        | Number of motor          |       | 1               | 1               | 1               | 1               |
|                         | Output Power             | W     | 44              | 59              | 72              | 87              |
| Indoor Fan              | Number of Fan            |       | 1               | 2               | 2               | 2               |
|                         | Type                     |       |                 |                 |                 |                 |
| Sound Pressure level    | 12Pa (Optional)          | dB(A) | ≤36             | ≤39             | ≤40.5           | ≤42             |
|                         | 30Pa (Standard)          | dB(A) | ≤40             | ≤42             | ≤44             | ≤46             |
| Water Flow Volume       |                          | m³/h  | 0.35            | 0.61            | 0.8             | 0.95            |
| Hydraulic Resistance    |                          | Kpa   | 30              | 30              | 30              | 30              |
| Max.Working pressure    |                          | Mpa   | 1.6             | 1.6             | 1.6             | 1.6             |
| Dimension               | Net Dimension (W*D*H)    | mm    | 694×518×240     | 894×518×240     | 894×518×240     | 1039×518×240    |
|                         | Packing Dimension (Body) | mm    | 715×260×545     | 915×260×545     | 915×260×545     | 1060×260×545    |
| Weight                  | Net/Gross                | kg    | 12.6/14.6       | 16.4/18.9       | 16.8/19.4       | 18.9/21.9       |
| Drain Pipe              |                          | mm    | Rc 3/4"         | Rc 3/4"         | Rc 3/4"         | Rc 3/4"         |
| Inlet/Outlet Water Pipe |                          | mm    | Rc 3/4"         | Rc 3/4"         | Rc 3/4"         | Rc 3/4"         |

| Model                   |                          |       | AFC-600HCR/4BA6 | AFC-800HCR3/4BA6 | AFC-1000HCR3/4BA6 | AFC-1200HCR3/4BA6 |
|-------------------------|--------------------------|-------|-----------------|------------------|-------------------|-------------------|
| Power                   | V~,HZ,Ph                 |       | 220~240V,50Hz,1 | 220~240V,50Hz,1  | 220~240V,50Hz,1   | 220~240V,50Hz,1   |
| Air Flow Volume         | H/M/L Speed              | m³/h  | 1020/765/510    | 1360/1020/680    | 1700/1275/850     | 2040/1530/1020    |
| Cooling Capacity        | H/M/L Speed              | w     | 5400/4595/3514  | 7200/6129/4687   | 9000/7665/5862    | 10800/9189/7027   |
| Heating Capacity        | H/M/L Speed              | w     | 8100/6898/5275  | 10800/9186/7025  | 13500/11485/8783  | 16200/13774/10533 |
| Indoor Fan Motor        | Number of motor          |       | 1               | 1                | 1                 | 1                 |
|                         | Output Power             | W     | 108             | 156              | 174               | 212               |
| Indoor Fan              | Number of Fan            |       | 2               | 3                | 4                 | 4                 |
|                         | Type                     |       |                 |                  |                   |                   |
| Sound Pressure level    | 12Pa (Optional)          | dB(A) | ≤45             | ≤46              | ≤48               | ≤50               |
|                         | 30Pa (Standard)          | dB(A) | ≤47             | ≤48              | ≤50               | ≤52               |
| Water Flow Volume       |                          | m³/h  | 1.08            | 1.39             | 1.56              | 1.92              |
| Hydraulic Resistance    |                          | Kpa   | 40              | 40               | 40                | 40                |
| Max.Working pressure    |                          | Mpa   | 1.6             | 1.6              | 1.6               | 1.6               |
| Dimension               | Net Dimension (W*D*H)    | mm    | 1129×518×240    | 1319×518×240     | 1619×518×240      | 1719×518×240      |
|                         | Packing Dimension (Body) | mm    | 1150×260×545    | 1340×260×545     | 1640×260×545      | 1740×260×545      |
| Weight                  | Net/Gross                | kg    | 20.2/23.7       | 26/30            | 31.3/35.8         | 33.4/38           |
| Drain Pipe              |                          | mm    | Rc 3/4"         | Rc 3/4"          | Rc 3/4"           | Rc 3/4"           |
| Inlet/Outlet Water Pipe |                          | mm    | Rc 3/4"         | Rc 3/4"          | Rc 3/4"           | Rc 3/4"           |

Specification-FCU-Horizontal duct 6 series 50HZ Air return from back side

| Model                   |                          |       | AFC-1400HCR3/4BA6 | AFC-300HCR3/4BA6 | AFC-400HCR3/4BA6 | AFC-600HCR3/4BA6 |
|-------------------------|--------------------------|-------|-------------------|------------------|------------------|------------------|
| Power                   | V~,HZ,Ph                 |       | 220~240V,50Hz,1   | 220~240V,50Hz,2  | 220~240V,50Hz,3  | 220~240V,50Hz,4  |
| Air Flow Volume         | H/M/L Speed              | m³/h  | 2380/1785/1190    | 510/382/255      | 680/510/340      | 1020/765/510     |
| Cooling Capacity        | H/M/L Speed              | w     | 12600/10719/8197  | 3200/2732/2089   | 4250/3630/2777   | 6200/5276/4035   |
| Heating Capacity        | H/M/L Speed              | w     | 18900/16066/12286 | 5222/4461/3412   | 6728/5737/4388   | 10200/8686/6643  |
| Indoor Fan Motor        | Number of motor          |       | 1                 | 1                | 1                | 1                |
|                         | Output Power             | W     | 253               | 65               | 72               | 108              |
| Indoor Fan              | Number of Fan            |       | 4                 | 2                | 2                | 2                |
|                         | Type                     |       |                   |                  |                  |                  |
| Sound Pressure level    | 12Pa (Optional)          | dB(A) | ≤52               | ≤39              | ≤40.5            | ≤45              |
|                         | 30Pa (Standard)          | dB(A) | ≤54               | ≤42              | ≤44              | ≤47              |
| Water Flow Volume       |                          | m³/h  | 2.25              | 0.55             | 0.8              | 1.08             |
| Hydraulic Resistance    |                          | Kpa   | 50                | ≤30              | 30               | ≤40              |
| Max.Working pressure    |                          | Mpa   | 1.6               | 1.6              | 1.6              | 1.6              |
| Dimension               | Net Dimension (W*D*H)    | mm    | 1909×518×240      | 894×518×240      | 894×518×240      | 1129×518×240     |
|                         | Packing Dimension (Body) | mm    | 1930×260×545      | 915×260×545      | 915×260×545      | 1150×260×545     |
| Weight                  | Net/Gross                | kg    | 35.6/41.1         | 17.6/20.1        | 18/20.6          | 21.2/24.7        |
| Drain Pipe              |                          | mm    | Rc 3/4"           | Rc 3/4"          | Rc 3/4"          | Rc 3/4"          |
| Inlet/Outlet Water Pipe |                          | mm    | Rc 3/4"           | Rc 3/4"          | Rc 3/4"          | Rc 3/4"          |

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





# Fan Coil Unit Wall-mounted

|                      |        |        |        |        |        |        |
|----------------------|--------|--------|--------|--------|--------|--------|
| Capacity(kw)         | 200CFM | 300CFM | 400CFM | 500CFM | 600CFM | 800CFM |
| Horizontal Concealed | •      | •      | •      | •      | •      | •      |



Standard



Central controller (Optional)

## ► A Variety of Panels

A variety of panels can be chosen



LH



LI



LK

## ► Long Term Washable Air Filter

The wash period is two times longer than normal filter.



## ► Failure Automatic Detection

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

## ► Two Way Valve& Three Way Valve(Optional)



Two way valve



Three way valve

Specification

| Model                   | Panel type                | LH       | AFC-200WM/4B(L*)           | AFC-300WM/4B(L*)           | AFC-400WM/4B(L*)           |
|-------------------------|---------------------------|----------|----------------------------|----------------------------|----------------------------|
| Power                   |                           | V~,Hz,Ph | 220~240V,50,1              | 220~240V,50,1              | 220~240V,50,1              |
| Air Flow Volume         | H/M/L Speed               | m³/h     | 340/255/170                | 510/383/255                | 680/510/340                |
| Cooling Capacity        | H/M/L Speed               | w        | 1808/1537/1175             | 2712/2305/1763             | 3618/3075/2352             |
| Heating Capacity        | H/M/L Speed               | w        | 2709/2303/1761             | 4070/3460/2646             | 5418/4605/3522             |
| Indoor Fan Motor        | NO.                       | /        | 1                          | 1                          | 1                          |
|                         | Output Power              | W        | 52                         | 52                         | 62                         |
| Indoor Fan              | Number of Fan             | /        | 1                          | 1                          | 1                          |
|                         | Type                      | /        | Cross-flow fan             |                            |                            |
| Noise Level             |                           | dB(A)    | ≤42                        | ≤42                        | ≤43                        |
| Water Flow Volume       |                           | m³/h     | 0.35                       | 0.61                       | 0.80                       |
| Hydraulic Resistance    |                           | Kpa      | 30                         | 30                         | 30                         |
| Max.Working pressure    |                           | Mpa      | 1.6                        | 1.6                        | 1.6                        |
| Dimension               |                           | mm       | 850×300×198                | 850×300×198                | 850×300×198                |
|                         | Packing Dimension (W*D*H) | mm       | 885×360×270                | 885×360×270                | 885×360×270                |
| Weight                  | Net/Gross                 | kg       | 11/12.5                    | 11/12.5                    | 12.6/14.5                  |
|                         | Drain Pipe                | mm       | DN15                       | DN15                       | DN15                       |
| Inlet/Outlet Water Pipe |                           | mm       | Rc1/2"(inner grooved )DN15 | Rc1/2"(inner grooved )DN15 | Rc1/2"(inner grooved )DN15 |

| Model                   | Panel type                | LH       | AFC-500WM/4B(L*) | AFC-600WM/4B(L*)           | AFC-800WM/4B(L*)           |
|-------------------------|---------------------------|----------|------------------|----------------------------|----------------------------|
| Power                   |                           | V~,Hz,Ph |                  | 220~240V,50,1              | 220~240V,50,1              |
| Air Flow Volume         | H/M/L Speed               | m³/h     |                  | 1020/765/510               | 1360/1020/680              |
| Cooling Capacity        | H/M/L Speed               | w        |                  | 5406/4595/3514             | 7210/6129/4687             |
| Heating Capacity        | H/M/L Speed               | w        |                  | 8155/6898/5275             | 10807/9186/7025            |
| Indoor Fan Motor        | NO.                       | /        |                  | 1                          | 1                          |
|                         | Output Power              | W        |                  | 96                         | 134                        |
| Indoor Fan              | Number of Fan             | /        |                  | 1                          | 1                          |
|                         | Type                      | /        |                  | Cross-flow fan             |                            |
| Noise Level             |                           | dB(A)    |                  | ≤47                        | ≤49                        |
| Water Flow Volume       |                           | m³/h     |                  | 1.08                       | 1.39                       |
| Hydraulic Resistance    |                           | Kpa      |                  | 40                         | 40                         |
| Max.Working pressure    |                           | Mpa      |                  | 1.6                        | 1.6                        |
| Dimension               |                           | mm       |                  | 970×315×235                | 1100×330×235               |
|                         | Packing Dimension (W*D*H) | mm       |                  | 1010×380×300               | 1140×390×300               |
| Weight                  | Net/Gross                 | kg       |                  | 16/18                      | 20/23                      |
|                         | Drain Pipe                | mm       |                  | DN15                       | DN15                       |
| Inlet/Outlet Water Pipe |                           | mm       |                  | Rc1/2"(inner grooved )DN15 | Rc1/2"(inner grooved )DN15 |

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

Chiller Controller

►Chiller Controller



XK-06

► FCU controller



XK-05-DY



YK-K



XK-05

► FCU Central controller



CC-02 Controller  
Max 64 FCUs

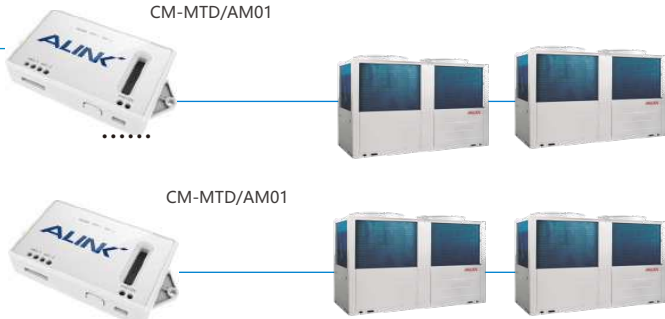


CM-MTD/AM01(NEW gateway)  
1 Gateway matches 1 FCU

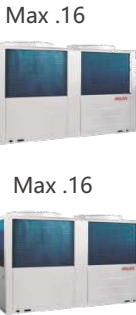


Gateway assembly  
Only for duct type

► Chiller MODBUS control



Max .255



Max .16

Max .16



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.

