

## Light Commercial & Commercial, Residential

# VRF

VRF systems provide air conditioning solutions that meet the requirements of a diverse range of buildings.

V-002 VRF series Overview

V-004 Features

### R32 VRF Outdoor unit



VRF J series  
Heat Pump for Small-capacity type

V-026 VRF J-VS

V-032 VRF J-V

V-038 VRF J-VL



VRF V series  
Heat Recovery Modular type  
Heat Pump Modular type

V-042 VRF VU-V

### R32 VRF Indoor unit

V-058 VRF Indoor Unit Lineup  
for J-VS, J-V, J-VL, VU-V

### R410A VRF Outdoor unit



VRF J series  
Heat Pump for Small-capacity type

V-094 VRF J-IVS

V-098 VRF J-IV

V-102 VRF J-IVL



VRF V series  
Heat Recovery Modular type

V-108 VRF VR-IV

Heat Pump Modular type

V-118 VRF V-IV

### R410A VRF Indoor unit

V-126 VRF Indoor Unit Lineup  
for J-IVS, J-IV, J-IVL, VR-IV, V-IV

## VRF

Light Commercial  
& Commercial,  
Residential



GENERAL HVAC Solutions Euro GmbH  
participates in the ECP program for VRF.  
Check ongoing validity of certificate:  
[www.eurovent-certification.com](http://www.eurovent-certification.com)



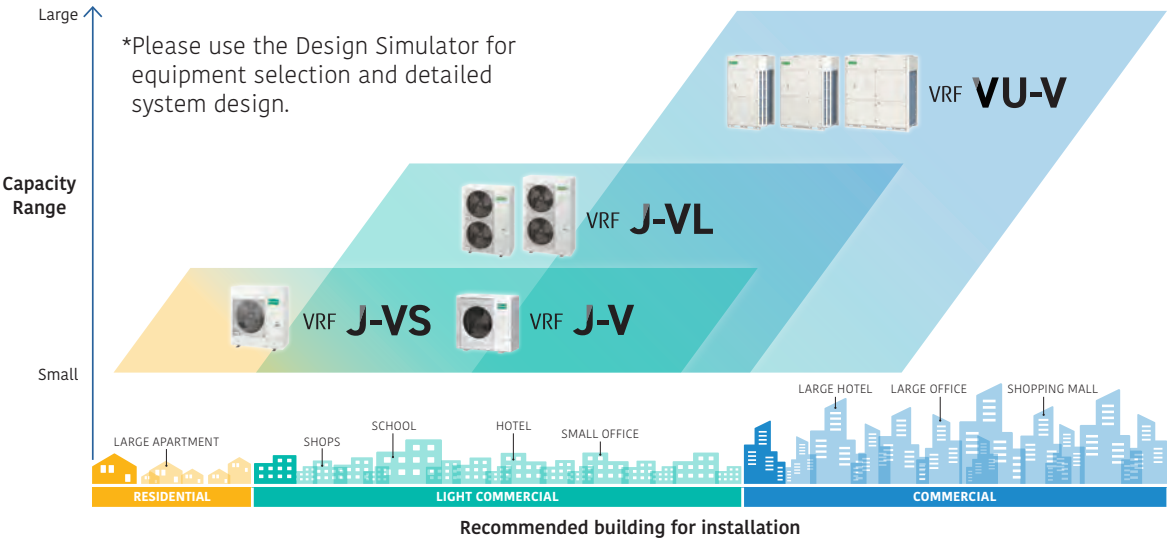
# VRF Series Overview

Recommended VRF products for various buildings



| Series/Type                                                                                                                                                                                             | System Outline                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Recommended Buildings for Installation                                                                                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| <div><div>NEW</div><div>VRF <b>J-VS</b></div><div>Maximum 6 HP Heat Pump</div><div></div></div>                        | <p>The J-VS boasts top-class energy efficiency and a compact design, allowing it to be installed in a limited and narrow space without being conspicuous. Indoor unit connectable up to 130%.</p> <div><div><ul style="list-style-type: none"><li>• Sustainable (R32)</li><li>• Saving CO2</li><li>• Small Body</li></ul></div><div><ul style="list-style-type: none"><li>• Situational Piping Design</li><li>• Sightliness installation</li><li>• A new three-phase type has been added</li></ul></div></div>                                                                                 | <div></div> <div>V-026-031</div>   |
| <div><div>NEW</div><div>VRF <b>J-V</b></div><div>Maximum 6 HP Heat Pump</div><div></div></div>                         | <p>The J-V Series uses R32 refrigerant, making it easy to install at sites that require safety measures. All 4, 5, and 6 HP models feature a compact, single-fan outdoor unit, offering greater flexibility in installation locations.</p> <div><div><ul style="list-style-type: none"><li>• Sustainable (R32)</li><li>• Built in shut off valve</li><li>• Easy installation</li><li>• Extended piping length</li></ul></div><div><ul style="list-style-type: none"><li>• Compact chassis design</li><li>• Flexible system configuration for small and midsize buildings</li></ul></div></div> | <div></div> <div>V-032-037</div>   |
| <div><div>NEW</div><div>VRF <b>J-VL</b></div><div>Maximum 18 HP Heat Pump</div><div></div></div>                      | <p>The J-VL is an outdoor unit with a slim design. With a maximum connection capacity of 42 indoor units (18 HP), it is well-suited for installation in hotels and similar facilities.</p> <div><div><ul style="list-style-type: none"><li>• Sustainable (R32)</li><li>• Slim Outdoor Unit</li><li>• Small room application</li><li>• High energy saving</li></ul></div><div><ul style="list-style-type: none"><li>• High energy saving</li><li>• Supports higher external static pressure installation up to 60 Pa</li><li>• 5-step low noise mode</li></ul></div></div>                      | <div></div> <div>V-038-041</div>  |
| <div><div>NEW</div><div>VRF <b>VU-V</b></div><div>Maximum 44 HP Heat Pump &amp; Heat Recovery</div><div></div></div> | <p>The VU-V delivers high performance and efficiency, a wide range of operating conditions, enhanced design and installation flexibility, increased overall system capacity, and improved comfort. Extensive lineup from 8 HP to 44 HP with the capacity ratio of indoor units connectable up to 150%.</p> <div><ul style="list-style-type: none"><li>• Sustainable (R32)</li><li>• Select system type according to the application</li><li>• Up to 22 HP available with a single unit installation</li><li>• High design flexibility for placement in any building</li></ul></div>            | <div></div> <div>V-042-055</div> |

## VRF Product Simplified Selection Method



| Series                                                                                                                                                                       | System Outline                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Recommended Buildings for Installation                                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| <div><div>VRF <b>J-IVS</b></div><div>Maximum 6 HP Heat Pump</div><div></div></div>        | <p>The J-IVS features a compact 998 mm design that doesn't obstruct your view and can be installed under high windows without issue, making it ideal for large residences and retail stores. The indoor unit can be connected at up to 130% capacity.</p> <div><ul style="list-style-type: none"><li>• Spaces saving and low sound level design</li><li>• Flexible system configuration for homes, stores, and small buildings</li></ul></div>                        | <div></div> <div>V-094-097</div>   |
| <div><div>VRF <b>J-IV</b></div><div>Maximum 6 HP Heat Pump</div><div></div></div>         | <p>The J-IV is connectable with up to 14 indoor units (Indoor unit connectable up to 150%) making it suitable for commercial facilities housing a number of small stores.</p> <div><ul style="list-style-type: none"><li>• High energy efficiency</li><li>• Flexible system configuration for small and midsize buildings</li></ul></div>                                                                                                                             | <div></div> <div>V-098-101</div>   |
| <div><div>VRF <b>J-IVL</b></div><div>Maximum 18 HP Heat Pump</div><div></div></div>      | <p>The J-IVL is an outdoor unit with a slim design. Its flexibility in installation makes it ideal for midsize office buildings and hotels. With the newly added 14/16/18 HP models, up to 42 indoor units* are connectable, making them ideal for hotels and educational facilities with many rooms.</p> <div><ul style="list-style-type: none"><li>• Slim Outdoor Unit</li><li>• Small room application</li><li>• Class-leading Low Operating Sound</li></ul></div> | <div></div> <div>V-102-107</div>  |
| <div><div>VRF <b>VR-IV</b></div><div>Maximum 48 HP Heat Recovery</div><div></div></div> | <p>The VR-IV is an extensive lineup from 8 HP to 48 HP with the capacity ratio of indoor units connectable up to 150%. The Heat Recovery System allows mode switching for each room according to the environment.</p> <div><ul style="list-style-type: none"><li>• Simultaneous cooling and heating operation using a single refrigerant system</li><li>• Annual cooling operation</li><li>• Accommodating changes in temperature difference</li></ul></div>          | <div></div> <div>V-108-117</div> |
| <div><div>VRF <b>V-IV</b></div><div>Maximum 48 HP Heat Pump</div><div></div></div>      | <p>The V-IV is available in a wide range of models from 8 to 48 HP in 2 HP increments, with the capacity ratio of indoor units connectable up to 150%.</p> <div><ul style="list-style-type: none"><li>• Excellent energy saving</li><li>• High design flexibility for placement in any building</li><li>• Easy installation and maintenance</li></ul></div>                                                                                                           | <div></div> <div>V-118-123</div> |



### Design Simulator

To install air conditioning in each room, suitable indoor and outdoor units must be selected based on heat load and total capacity. Remote controls, converters, and optional designs may be needed to meet standards. The “Design Simulator” PC software simplifies equipment selection, system drawings, and estimates.

For more information





# R32 Features

## Sustainable

### Low GWP to A Wide Range of Projects

We are continuously working to develop products that use R32 refrigerant and have R32 products in all product categories in our lineup (Split, Multi-Split, VRF, and ATW). This allows us to realize environmentally and regulatory friendly system designs for a wide range of projects from residential to light commercial.



2088

GWP\*1

67%  
reduction

675

R410A

R32

(Reference: IPCC 4th Report)

### R32 Refrigerant with Reduced Global Warming Potential

- High environmental properties
- High performance
- Economically efficient

\*1 GWP (Global Warming Potential): a measurement that indicates how much other greenhouse gases are capable of warming the Earth based on carbon dioxide. This is the integrated value of radiant energy given to the Earth (i.e., the estimated impact on global warming) expressed as a ratio to CO2.



### Efforts and Evaluation of CO2 Emissions Reduction

GENERAL HVAC Solutions UK Limited (GUK) has earned Embodied Carbon\* Verification (ECV TM65) for its award-winning J-VS Mini VRF R32 series. TM65 is a third-party certification in the UK that calculates the embodied carbon—CO2 emissions generated during the manufacturing, transportation of products and Operational life cycle.

Based on the assessment standards set by the Chartered Institution of Building Services Engineers (CIBSE), it serves as a key indicator for customers when selecting equipment.

It drives improvements in our manufacturing processes, supports lifecycle impact assessment, and allows architects and engineers to make informed, sustainability-focused decisions for net-zero design.

\*Embodied carbon refers to the total CO2 emissions associated with all stages of a product's lifecycle, including material sourcing, transportation, installation, and disposal.



Actual certificate





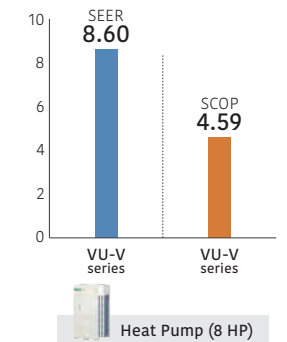
# High-Efficiency



High-efficiency is achieved significantly by the use of a scroll compressor, inverter technology, and a large heat exchanger.



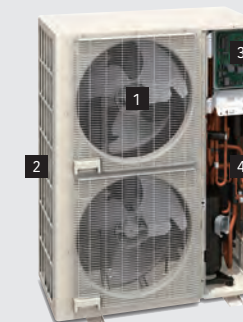
NEW Scroll compressor



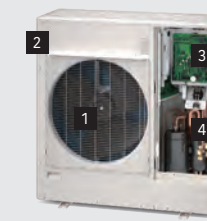
\* These specifications are determined by cassette combination.

## High-Efficiency Design with Top-Class SEER/SCOP

All the VRF series have DC technology to achieve high-efficiency operation. This enhances the durability and reliability of the VRF series.



J-VL series



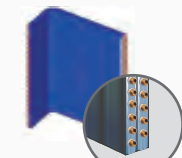
J-VS series



1 DC fan motor



3 DC inverter control



2 Large heat exchanger



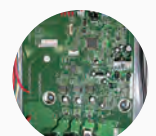
4 Subcooling heat exchanger



VU-V series



1 3-phase DC fan motor



3 Sine-wave DC inverter control



2 Powerful large propeller fan



4 Subcooling heat exchanger



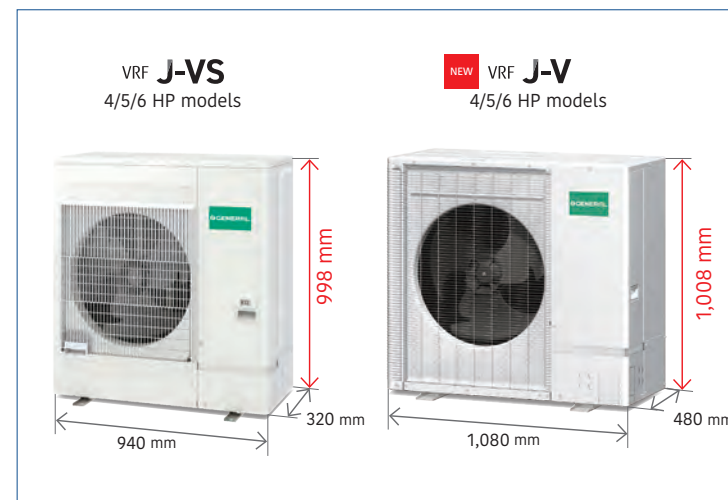
# Design Flexibility

## Class-Leading Compact Design

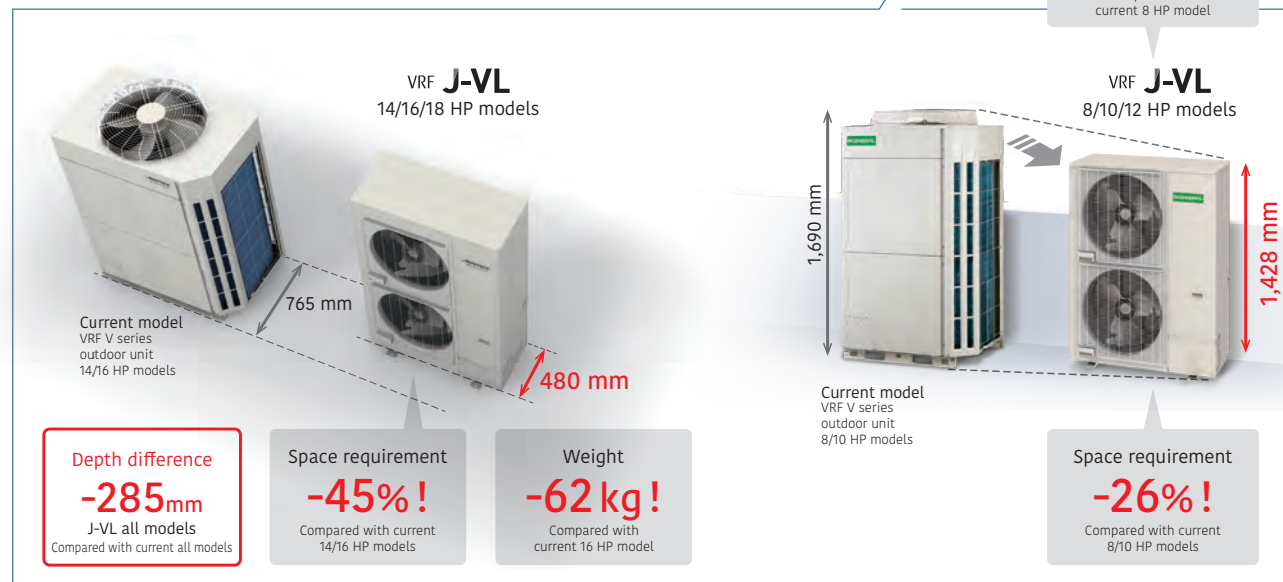
An industry-leading compact outdoor unit with optimal airflow pattern design.  
(Up to 18 HP)



J-VS outdoor units in this series are much more compact than conventional outdoor units of comparable capacity. They can be installed on a balcony, fitting below the height of the railing. With a height of less than 1 m, they can be installed in tight spaces such as under windows.

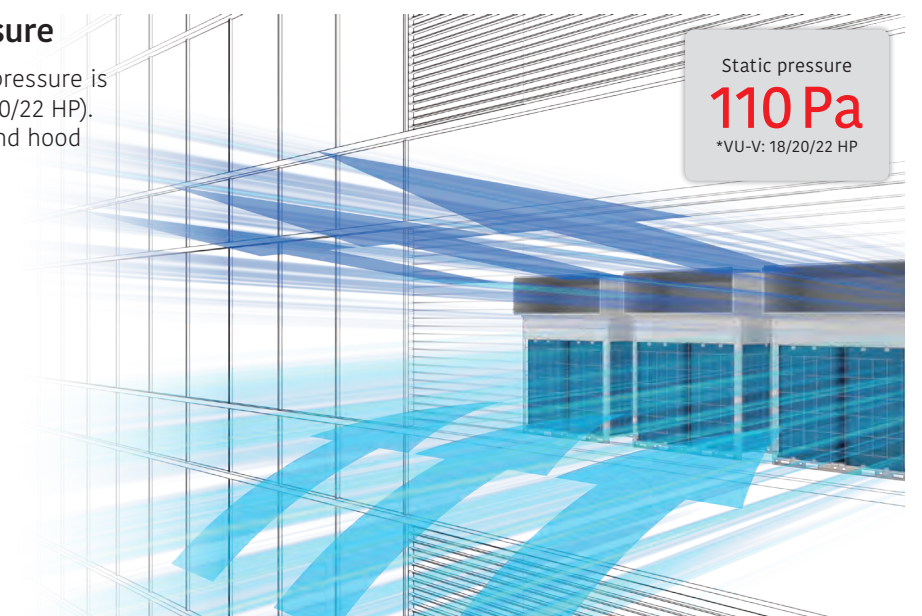


Height difference  
**-262mm**  
Compared with current 8 HP model



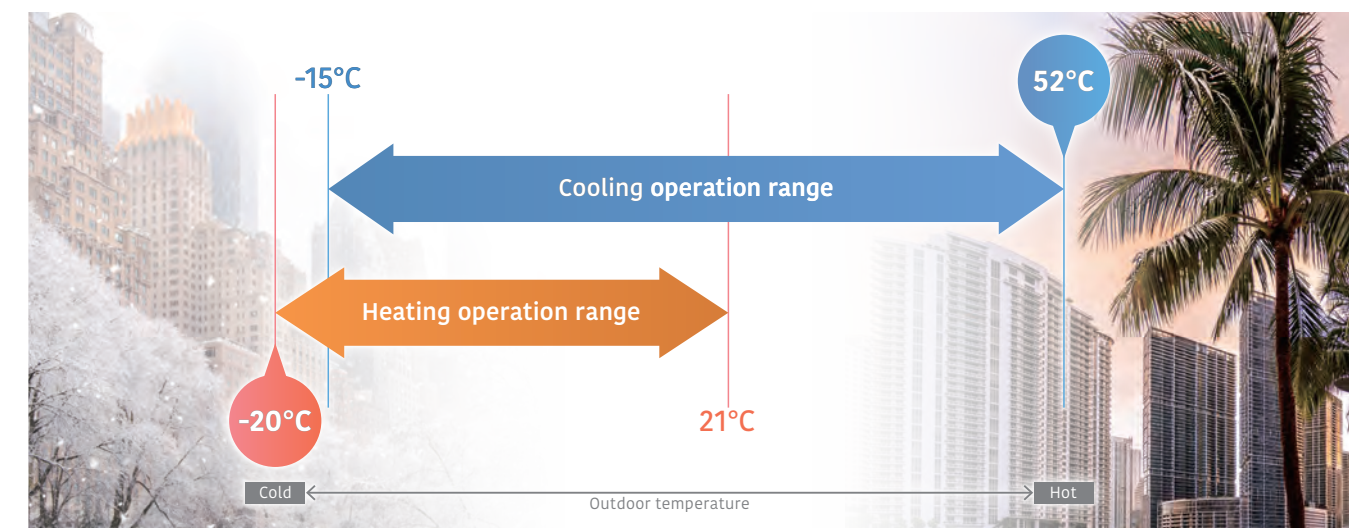
## High external static pressure

The outdoor unit's external static pressure is adjustable up to 110 Pa (VU-V: 18/20/22 HP). This facilitates mechanical room and hood installations.



## Extended operating range for ambient temperature

Extended operable ambient temperature enables an offer to different regions with different temperature condition.



\*Operating temperature range for standalone VU-V heat pumps. The cooling operating temperature range for combination heat pumps is -5°C to 52°C.



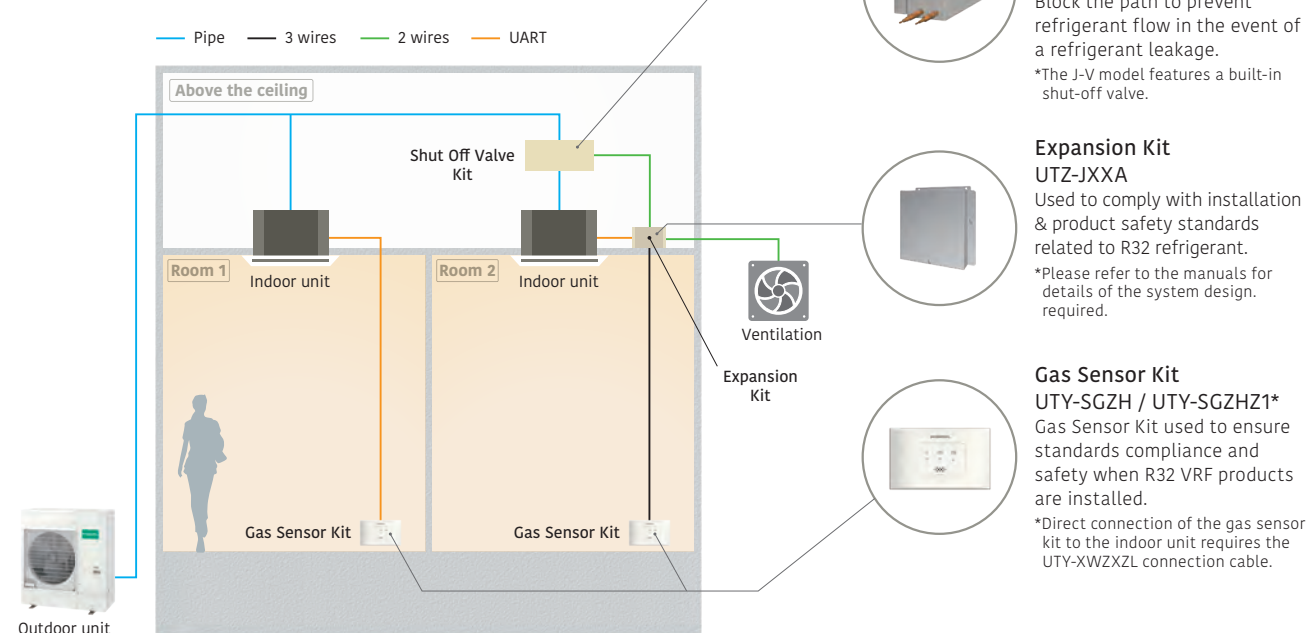
# Safety Measures

The environment requiring safety measures is determined by the size of the room in relation to the amount of refrigerant required. You can select refrigerant leak safety measures tailored to each operating environment.

## CASE 1 When using the optional gas sensor

The optional gas sensor kit includes a refrigerant leak detector compatible with R32 refrigerant. The system is designed to meet the environmental safety requirements specified in the IEC 603352-40 standard for the use of R32 refrigerant.

### Operating flow example

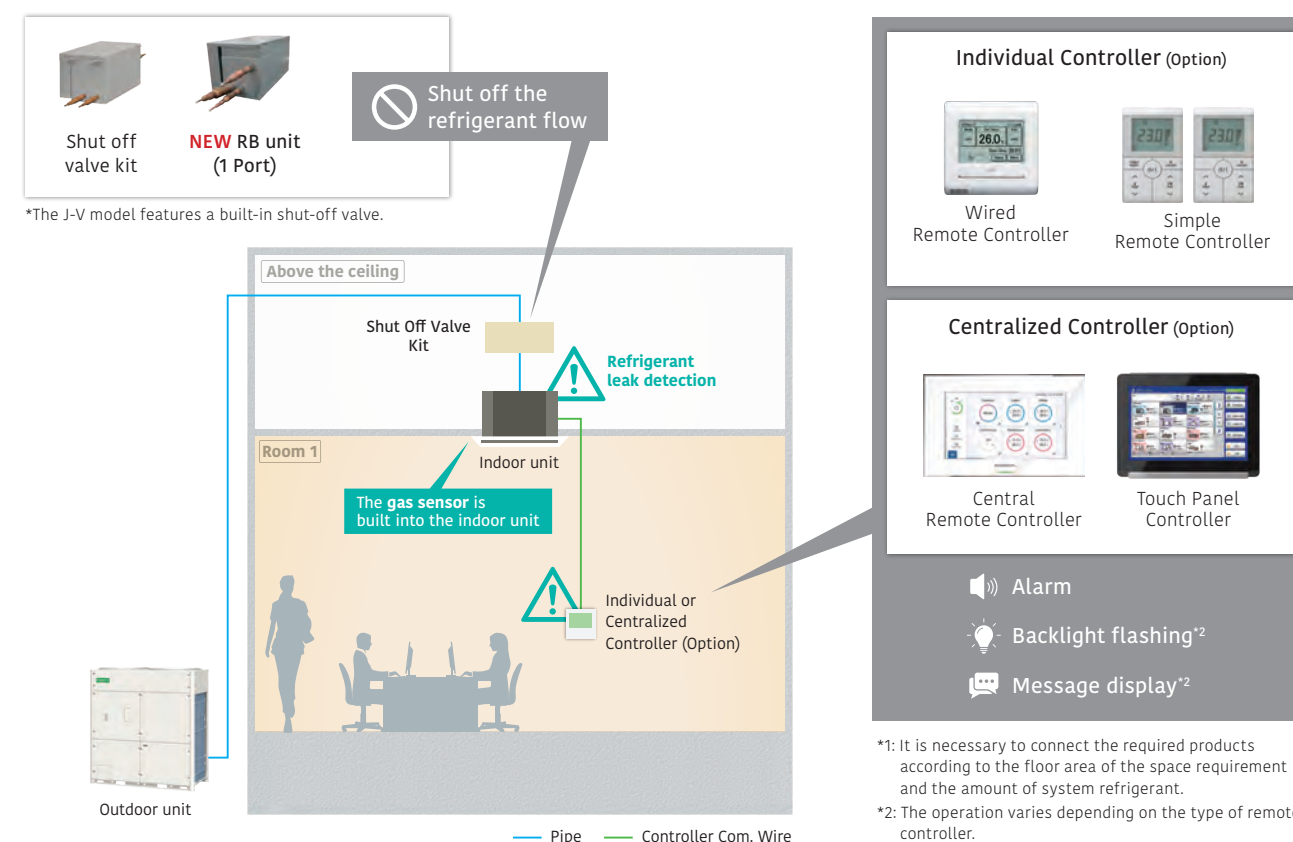


## CASE 2 When using the indoor unit as a sensor

Indoor units compatible with R32 refrigerant are equipped with a refrigerant leak detector. (Some indoor units require optional purchase.) Depending on the conditions of the room where the indoor unit is installed, countermeasures can be implemented using detection equipment.<sup>\*1</sup>

When activated, the refrigerant leak detector triggers the “Shut off valve kit” and “Wired Remote Controller” to operate simultaneously. This notifies the user or administrator of a refrigerant leak while simultaneously stopping refrigerant circulation.

### Operating flow example





# R32 & R410A Features

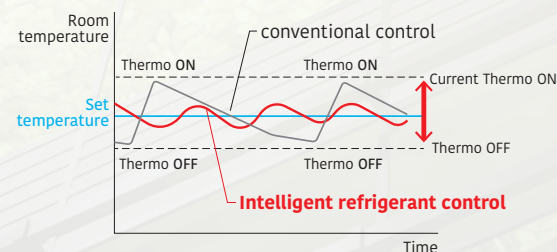
## Intelligent Refrigerant Control

General is proposing outdoor units equipped with refrigerant control function. The refrigerant control operates with subtle control corresponding to the heat load of the room and offers a more comfortable environment. The refrigerant control can also provide increased energy savings.



The outdoor unit provides sufficient capacity to meet the demands of the indoor unit.

\* The improvements due to the control and the actual sine wave vary depending on the combination of the indoor unit and system operating conditions.



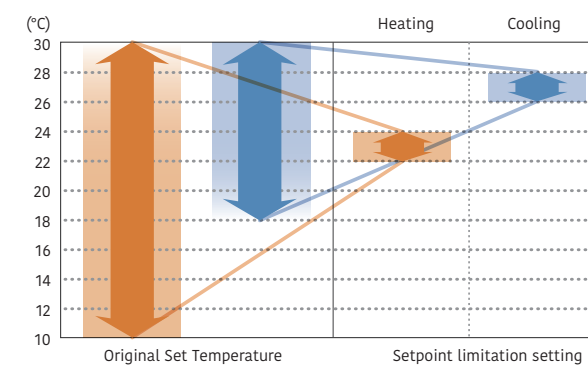
The thermostat is turned on and off less frequently than under conventional control to maintain the room temperature at the target temperature. Compared to conventional control, the compressor will run longer, thus saving energy.

## High-Efficiency

### Efficient Control of Operation

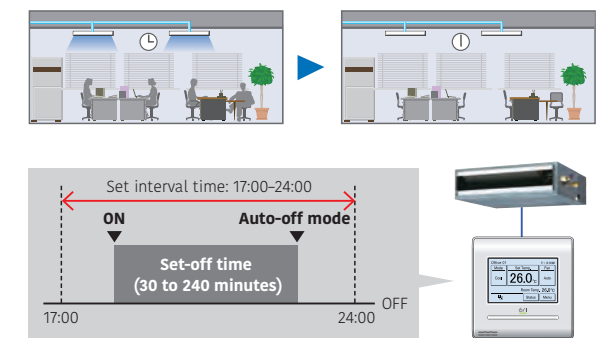
#### Setting Temperature Range Limitation

Sets the minimum and maximum limits on room temperature to establish an optimum balance between energy-saving performance and a comfortable environment.



#### Auto-Off Timer

The wired remote controller is equipped with an auto-off timer function that automatically stops operation after a fixed period of time has elapsed from the start of operation to avoid wasting energy. The function also allows you to set the interval for stopping operations.

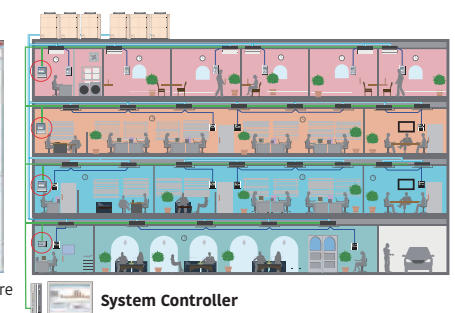


## Energy-Saving Management

A variety of energy-saving operations can be set and managed depending on the season, climate, and time period. Excellent energy-saving operation using the system controller.

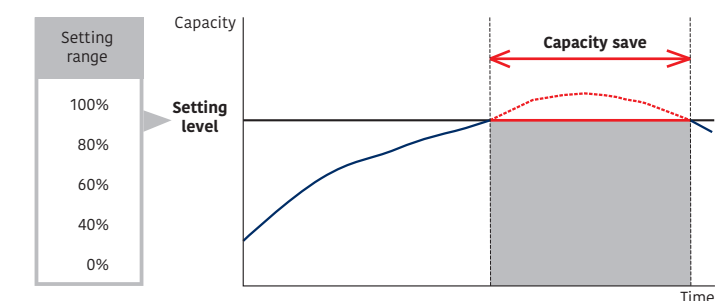


Screen image shows Energy Manager software (option)



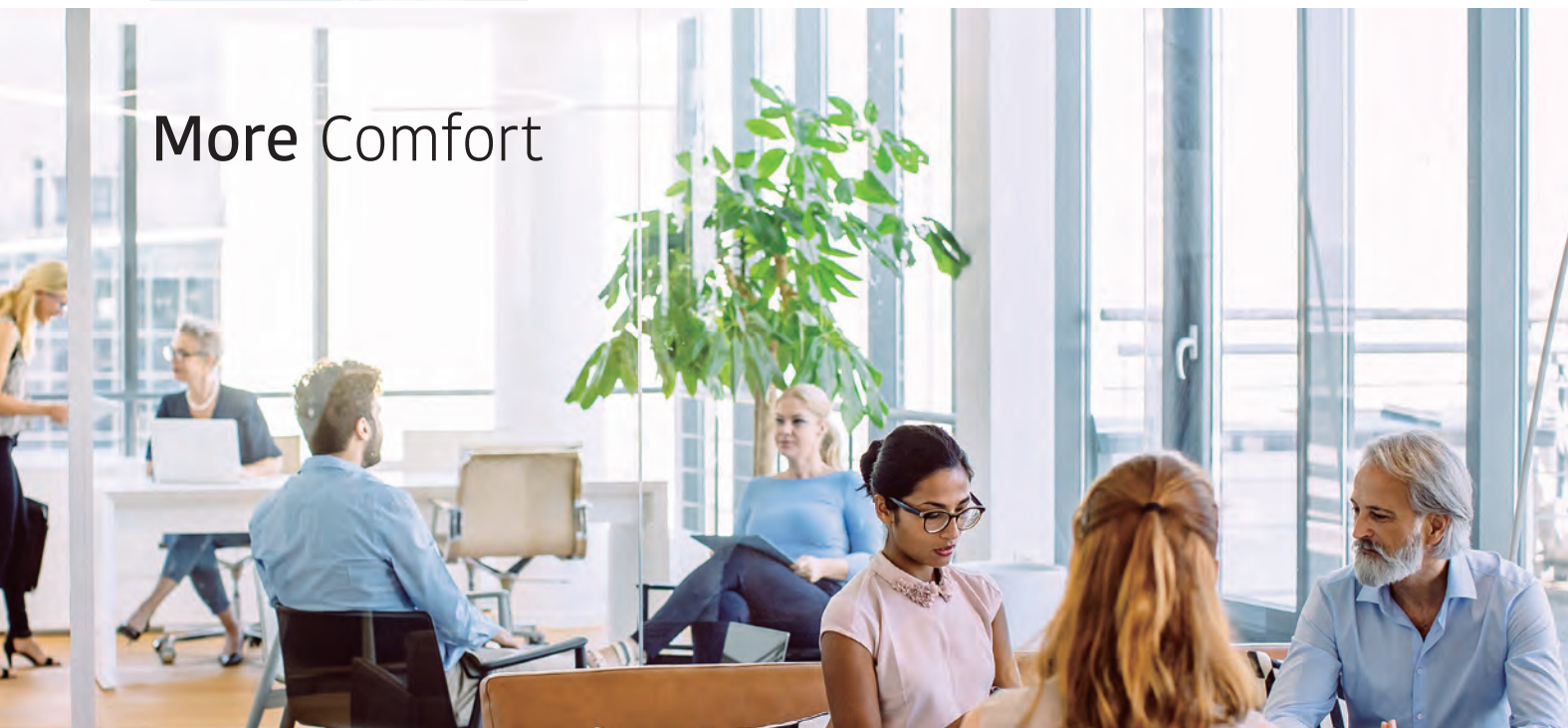
## Capacity-Saving Mode

Operation capacity can be reduced in 5 steps from the rated capacity. This mode cuts down on peak power consumption and eases the maximum load on the unit.



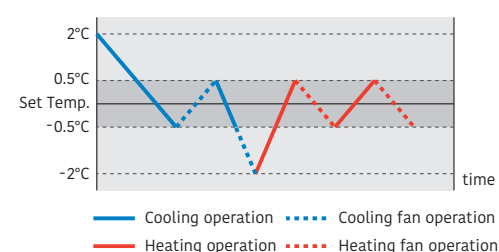


## More Comfort



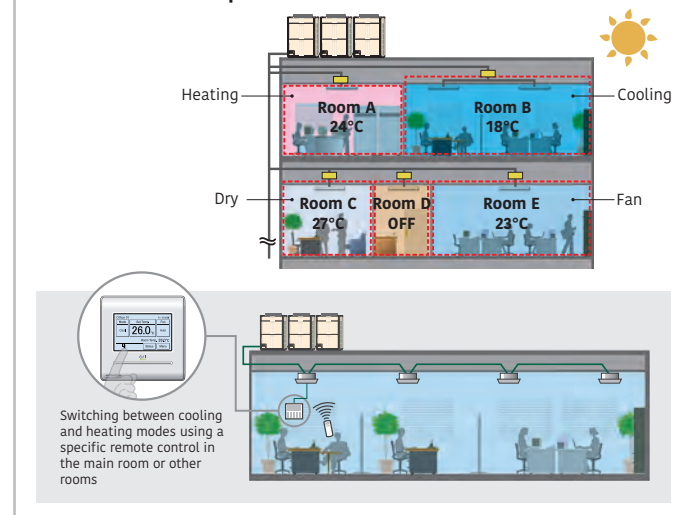
### Auto Changeover

In Auto setting, the air conditioner switches between cooling and heating modes automatically according to the set temperature and the room temperature.



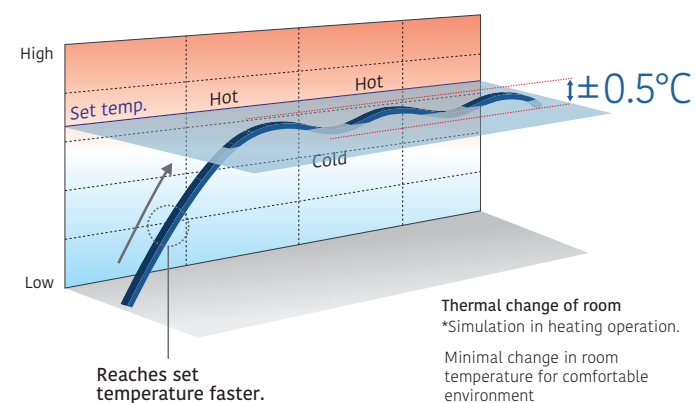
Auto changeover settings enable the indoor unit to easily switch between cooling and heating regardless of the operating mode of other indoor units. These settings can be made using a wired remote controller for a specific indoor unit. Provides a comfortable environment all year round.

### Automatic cooling/heating operation for each room is possible



### Precise Control of Refrigerant Flow

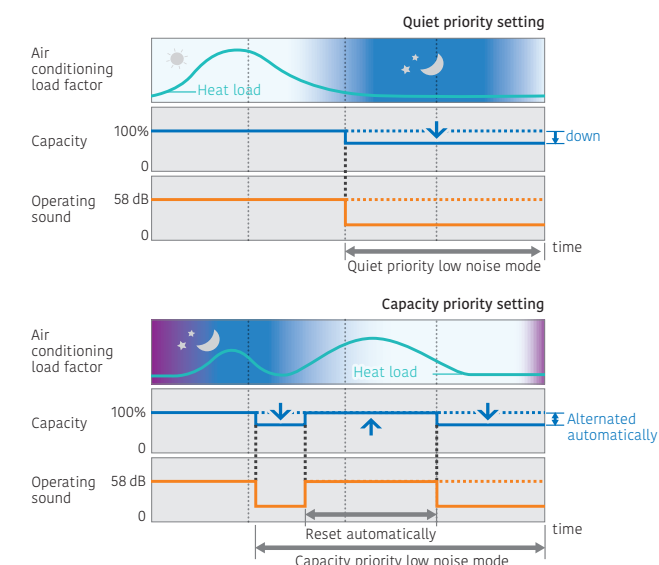
The combination of DC inverter control and individual control of electronic expansion valves of an indoor unit enables precise and smooth control of the refrigerant flow. This means the room temperature can be set in increments of 0.5°C.



## Quiet Operation

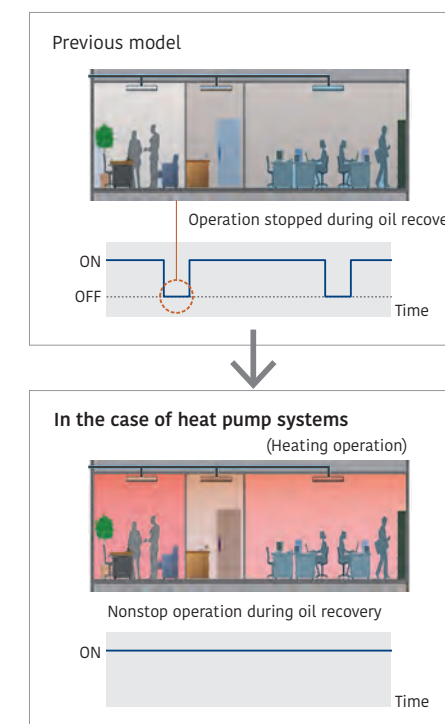
### Quiet Operation

Two low noise modes can be switched over automatically between one in which low noise is prioritized over performance, and the other in which performance is prioritized over low noise, depending on the room temperature and outdoor temperature. This feature can be controlled by external input from the outdoor unit or a system controller.



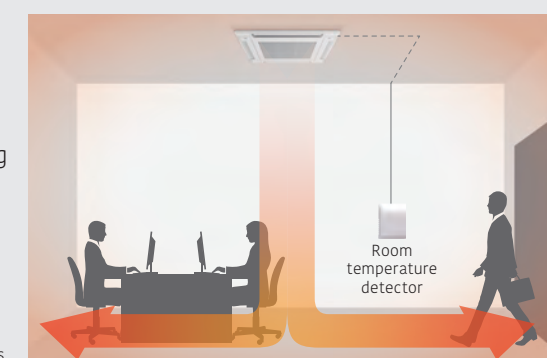
### Non-Stop Oil Recovery Operation

A comfortable room condition is maintained during oil recovery mode because the product continues to operate without stopping the cooling or heating operation.



### Switching Room Temperature Sensing Position for Improved Heating Comfort (Option)

The optional Remote Sensor Kit (UTY-XSZXZ1) can be connected to the indoor unit to improve comfort by installing the unit at a height appropriate for the living environment.

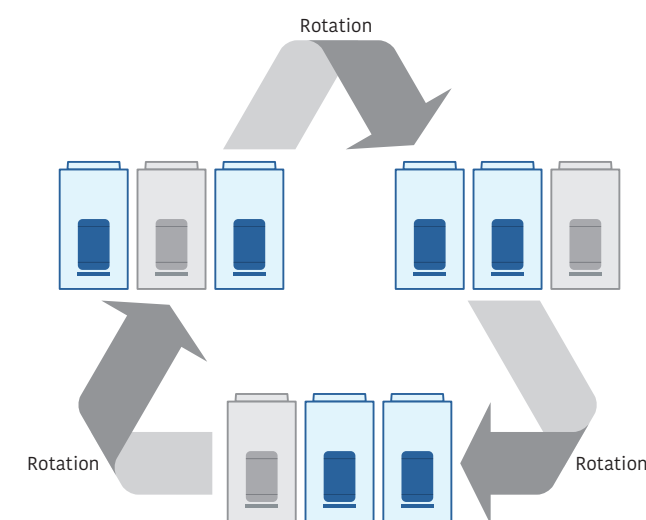




# High Reliability

## Outdoor Unit Rotation

The compressor starting order is rotated to equalize the cumulative running time of each unit.

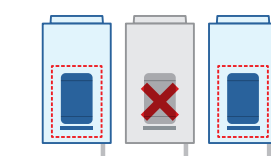


The start and stop timings are alternated among connected compressors.

## Backup Operation

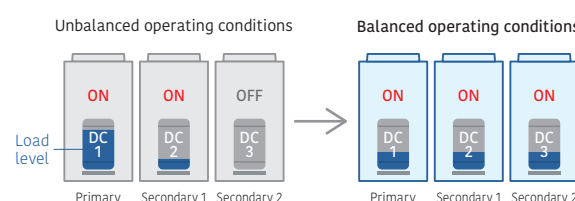
If one compressor fails, the other compressors will initiate backup operation\*.

Note: Backup operation may not be possible depending on the cause of failure.



## Advanced Refrigerant Control

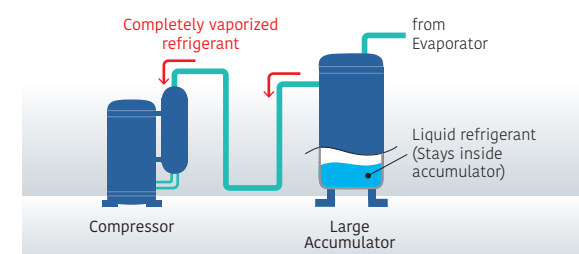
Compressor control logic controls the inverter speed to balance the mass airflow rate of refrigerant in each outdoor unit.



\*VU-V can be connected up to two units.

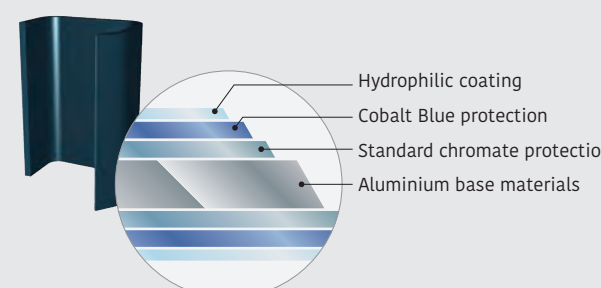
## Protection Against Liquid Flowback

The use of a large accumulator means that refrigerant that has not been completely vaporized stays inside the accumulator to ensure no liquid refrigerant is fed into the compressor.



## Blue Fin Heat Exchanger

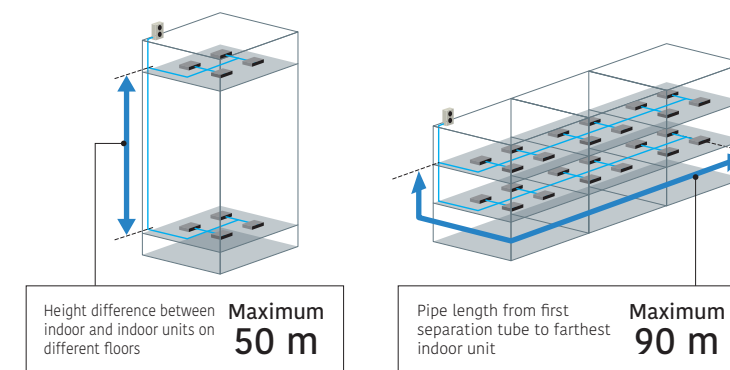
The anti-corrosion blue fin treatment is applied to the heat exchanger of the outdoor unit.



# Design Flexibility

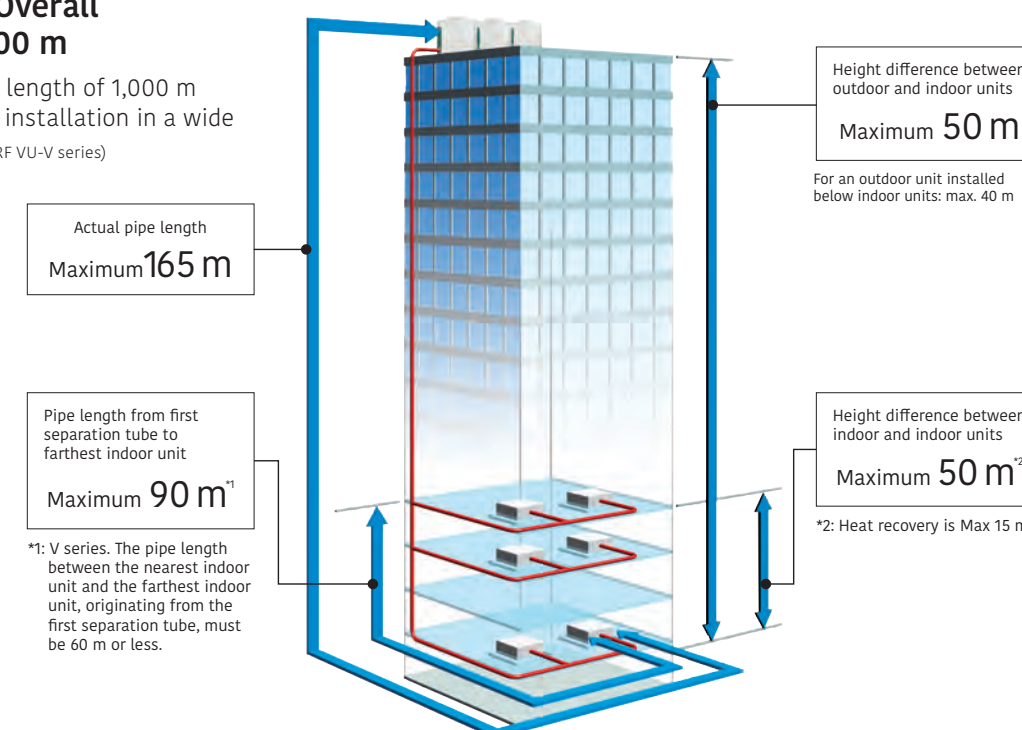
## Long Pipe Design

Pipe design suitable for long and narrow office buildings with elevation differences and low-rise stores with long distances (VRF J-VL series)



## Max. Allowable Overall Pipe Length: 1,000 m

The class-leading pipe length of 1,000 m increases flexibility of installation in a wide variety of buildings. (VRF VU-V series)



\*1: V series. The pipe length between the nearest indoor unit and the farthest indoor unit, originating from the first separation tube, must be 60 m or less.

\*2: Heat recovery is Max 15 m.

## High-Capacity Connection

|  | R32                                        | R410A                                       | Connectable indoor unit capacity range | Connectable indoor units |
|--|--------------------------------------------|---------------------------------------------|----------------------------------------|--------------------------|
|  | VRF J-VS series Heat pump type             | VRF J-IVS series Heat pump type             | 50% to 130%                            | up to 13 <sup>*3</sup>   |
|  | VRF J-V series Heat pump type              | VRF J-IV series Heat pump type              | 50% to 150%                            | up to 14 <sup>*3</sup>   |
|  | VRF J-VL series 8/10/12 HP Heat pump type  | VRF J-IVL series 8/10/12 HP Heat pump type  | 50% to 150%                            | up to 30 <sup>*4</sup>   |
|  | VRF J-VL series 14/16/18 HP Heat pump type | VRF J-IVL series 14/16/18 HP Heat pump type | 50% to 150%                            | up to 42 <sup>*5</sup>   |
|  | VRF VU-V series Heat Recovery Modular type | VRF VR-IV series Heat Recovery Modular type | 25% <sup>*6</sup> to 150%              | up to 64                 |
|  | VRF VU-V series Heat Pump Modular type     | VRF V-IV series Heat Pump Modular type      | 50% to 150%                            | up to 64                 |

\*3: 6 HP only. \*4: 12 HP only. \*5: 18 HP only. \*6: For modular type, 25% to 49.9% operation in the entire system is available. (by one unit operation)

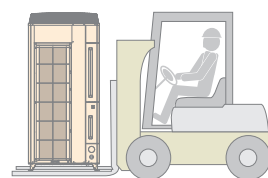


## Easy Installation

### Easily Transported



A lifting strap can be hooked onto an outdoor unit. Design of outdoor unit allows for lifting straps to be used.



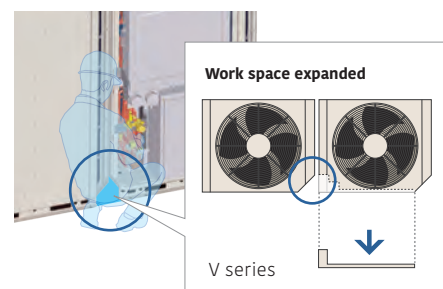
Transportable by forklift. The outdoor unit can be lifted and transported by forklift.



Fits into a small elevator.

### Easy Access

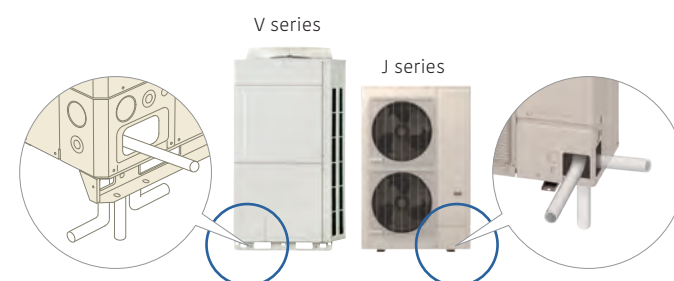
The removable L-shaped front panel provides more room for installation and service work. Multiple installations can be performed easily and efficiently even in tight spaces.



Front access reduces installation intervals.

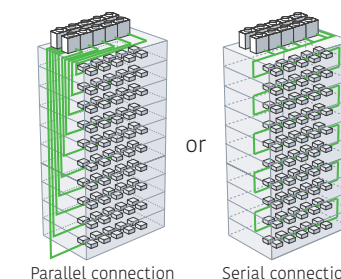
### Flexible Pipe Connection

Pipe and wire can be accessed from the front, left, right, and bottom.



### Simplified Wiring Work

The communication wiring can be installed seamlessly among indoor, outdoor, and RB units, which makes the installation of the wiring system easier.

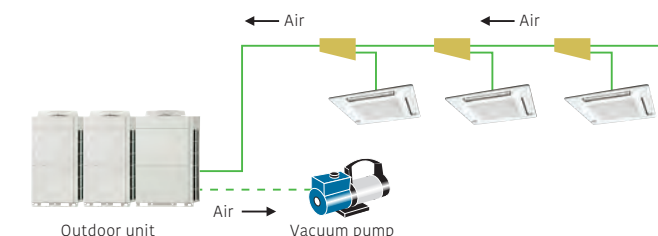


Maximum wire length:  
**3,600 m**

Note: The automatic address setting is not available on a serially connected multiple refrigerant system.

### Vacuum Mode Function for Easy Evacuation

The vacuum mode function enables all expansion valves of an indoor unit to be opened fully, allowing for easier evacuation of air inside pipe lines and indoor units.

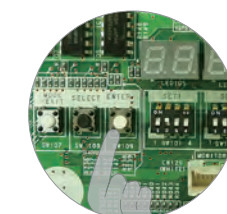


### Automatic Address Setting

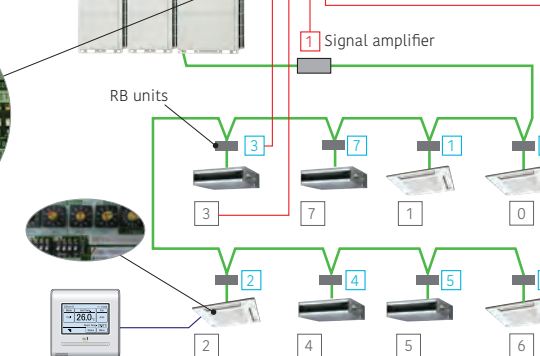
Addresses of connected indoor units, RB units, and Signal amplifier can all be set automatically from the PCB in the outdoor unit.

Address is set automatically by the outdoor unit.

Address is automatically distributed from the outdoor unit.



Press the push button on the outdoor unit.



## Easy Commissioning with Tools

### • Service Tool (UTY-ASGXZ1)

The Service Tool checks the refrigerant temperature and pressure, and the operating status of the electronic expansion valves, making it easy to determine if the units are connected properly.



### • Central Remote Controller (UTY-DCGGZ4)

After the VRF system has been installed. Conveniently, the "test run" required to verify proper system operation can be performed from a nearby Central RC.

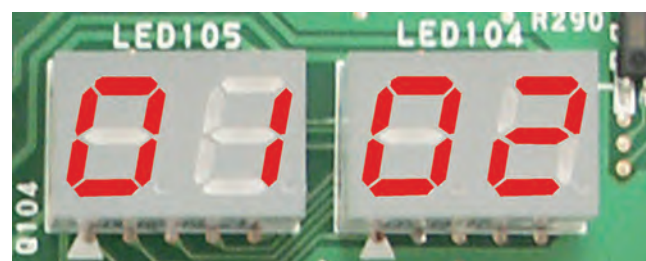




# Easy Service and Maintenance

## Designed for Easy Maintenance

A 7-segment indicator lamp panel provides detailed information on the function setting status, refrigerant temperature and pressure, compressor operation time, and other factors, facilitating self-diagnosis for each unit.

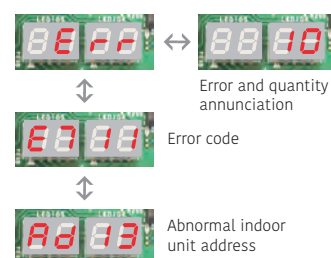


### Easy-to-read 7-segment indicator lamp

Shows the following detailed operation and error status without need of any others tools.

### Error status can be checked on an outdoor unit's display

- System operation mode
- Discharge temperature and pressure
- Compressor operation status
- Address, type, and number of outdoor unit



- Error status can easily be checked on an outdoor unit's display.

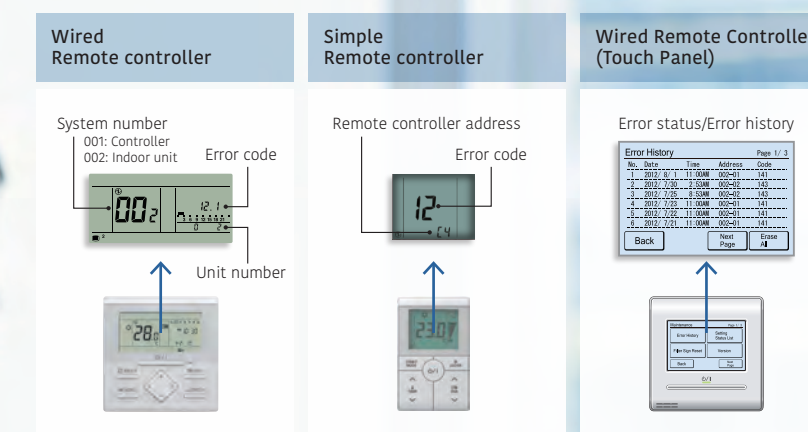
### Movable PCB panel

Enables easier access behind the PCB for maintenance work.



## The Error Status can be Checked Via a Wired Remote Controller for Indoor Units.

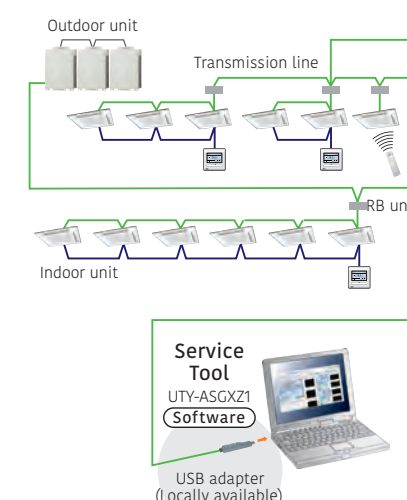
Error codes are displayed on an LCD screen.



## Error Diagnosis by Service Tool

### Connection to Service tool

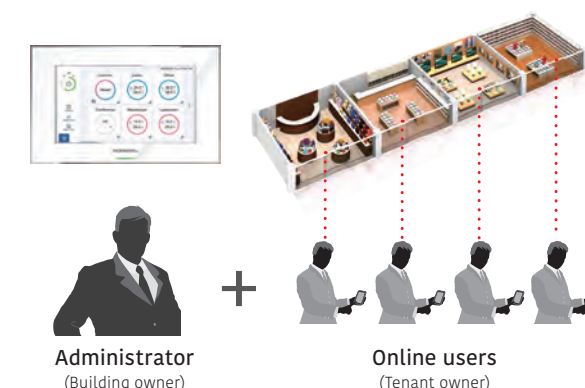
- A detailed operation status and recent error history can be checked and analyzed using Service tool.
- The last 5 minutes of operation status can be recorded continuously.



## Remote monitoring / Remote operation

The central remote controller can control your tenant's air conditioner anytime and anywhere. When the central remote controller manages the indoor units of some tenants, air conditioning of each tenant can be managed separately online.

### Increased the Number of Accounts







# VRF R32 OUTDOOR UNITS

4 types and 40 models are available to meet the requirements of any building design.

We offer a wide lineup of outdoor units suitable for everything from small properties like apartments to large commercial facilities and buildings.

V-024 VRF R32 Outdoor Units Lineup for J-VS J-V J-VL VU-V

V-026 VRF J-VS

V-032 VRF J-V

V-038 VRF J-VL

V-042 VRF VU-V



VRF R32 Outdoor Units Lineup for J-VS J-V J-VL VU-V

| Capacity (kW)                                                                                             |                      | Refrigerant                                                                         | 12.1                                                                                                                     | 14.0                                                                                                                     | 15.1-15.5                                                                                                                | 22.4                                                                                                   | 28.0                                                                                                   | 33.5                                                                                                   | 40.0                                                                                                     | 45.0                                                                                                      | 50.0-50.4                                                                                                 | 56.0                                                                                                      | 61.5                                                                                                      | 67.0-67.4                                                                                                 | 73.0                                                                                                     | 78.5-80.0                                                                                                 | 85.0                                                                                                     | 90.0                                                                                                      | 96.0                                                                                                     | 100.5-101.5                                                                                               | 106.0-106.5                                                                                               | 111.5                                                                                                    | 117.5                                                                                                    | 123.0                                                                                                    |    |
|-----------------------------------------------------------------------------------------------------------|----------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|----|
| HP                                                                                                        |                      |                                                                                     | 4                                                                                                                        | 5                                                                                                                        | 6                                                                                                                        | 8                                                                                                      | 10                                                                                                     | 12                                                                                                     | 14                                                                                                       | 16                                                                                                        | 18                                                                                                        | 20                                                                                                        |                                                                                                           | 22                                                                                                        | 24                                                                                                       | 26                                                                                                        | 28                                                                                                       | 30                                                                                                        | 32                                                                                                       | 34                                                                                                        | 36                                                                                                        | 38                                                                                                       | 40                                                                                                       | 42                                                                                                       | 44 |
| J-VS series<br>Heat Pump                                                                                  |                      |    | <br>AJH040<br>KCTAH,<br>AJH040<br>KFTAH | <br>AJH045<br>KCTAH,<br>AJH045<br>KFTAH | <br>AJH054<br>KCTAH,<br>AJH054<br>KFTAH |                                                                                                        |                                                                                                        |                                                                                                        |                                                                                                          |                                                                                                           |                                                                                                           |                                                                                                           |                                                                                                           |                                                                                                           |                                                                                                          |                                                                                                           |                                                                                                          |                                                                                                           |                                                                                                          |                                                                                                           |                                                                                                           |                                                                                                          |                                                                                                          |                                                                                                          |    |
|  J-V series<br>Heat Pump |                      |    | <br>AJH040<br>KBLAH,<br>AJH040<br>KELAH | <br>AJH045<br>KBLAH,<br>AJH045<br>KELAH | <br>AJH054<br>KBLAH,<br>AJH054<br>KELAH |                                                                                                        |                                                                                                        |                                                                                                        |                                                                                                          |                                                                                                           |                                                                                                           |                                                                                                           |                                                                                                           |                                                                                                           |                                                                                                          |                                                                                                           |                                                                                                          |                                                                                                           |                                                                                                          |                                                                                                           |                                                                                                           |                                                                                                          |                                                                                                          |                                                                                                          |    |
| J-VL Series<br>Heat Pump                                                                                  |                      |   |                                                                                                                          |                                                                                                                          |                                                                                                                          | <br>AJH072<br>KELAH   | <br>AJH090<br>KELAH   | <br>AJH108<br>KELAH   | <br>AJH126<br>KELAH   | <br>AJH144<br>KELAH    | <br>AJH162<br>KELAH    |                                                                                                           |                                                                                                           |                                                                                                           |                                                                                                          |                                                                                                           |                                                                                                          |                                                                                                           |                                                                                                          |                                                                                                           |                                                                                                           |                                                                                                          |                                                                                                          |                                                                                                          |    |
| <div>VU-V Series Heat Pump<br/>&amp; Heat Recovery</div>                                                  | Space<br>Saving      |  |                                                                                                                          |                                                                                                                          |                                                                                                                          | <br>AJH072<br>HALAH | <br>AJH090<br>HALAH | <br>AJH108<br>HALAH | <br>AJH126<br>HALAH | <br>AJH144<br>HALAH  | <br>AJH162<br>HALAH  | <br>AJH180<br>HALAH  | <br>AJH198<br>HALAH  | <br>AJH216<br>HALAH  | <br>AJH234<br>HALAH | <br>AJH252<br>HALAH  | <br>AJH270<br>HALAH | <br>AJH288<br>HALAH  | <br>AJH306<br>HALAH | <br>AJH324<br>HALAH  | <br>AJH342<br>HALAH  | <br>AJH360<br>HALAH | <br>AJH378<br>HALAH | <br>AJH396<br>HALAH |    |
|                                                                                                           | Set Model            |                                                                                     |                                                                                                                          |                                                                                                                          |                                                                                                                          |                                                                                                        |                                                                                                        |                                                                                                        |                                                                                                          |                                                                                                           |                                                                                                           |                                                                                                           |                                                                                                           |                                                                                                           |                                                                                                          |                                                                                                           |                                                                                                          |                                                                                                           |                                                                                                          |                                                                                                           |                                                                                                           |                                                                                                          |                                                                                                          |                                                                                                          |    |
|                                                                                                           | Energy<br>Efficiency |  |                                                                                                                          |                                                                                                                          |                                                                                                                          |                                                                                                        |                                                                                                        |                                                                                                        |                                                                                                          | <br>AJH144<br>HALAHH | <br>AJH162<br>HALAHH | <br>AJH180<br>HALAHH | <br>AJH198<br>HALAHH | <br>AJH216<br>HALAHH |                                                                                                          | <br>AJH252<br>HALAHH |                                                                                                          | <br>AJH288<br>HALAHH |                                                                                                          | <br>AJH324<br>HALAHH | <br>AJH342<br>HALAHH |                                                                                                          |                                                                                                          |                                                                                                          |    |
|                                                                                                           | Set Model            |                                                                                     |                                                                                                                          |                                                                                                                          |                                                                                                                          |                                                                                                        |                                                                                                        |                                                                                                        |                                                                                                          |                                                                                                           |                                                                                                           |                                                                                                           |                                                                                                           |                                                                                                           |                                                                                                          |                                                                                                           |                                                                                                          |                                                                                                           |                                                                                                          |                                                                                                           |                                                                                                           |                                                                                                          |                                                                                                          |                                                                                                          |    |





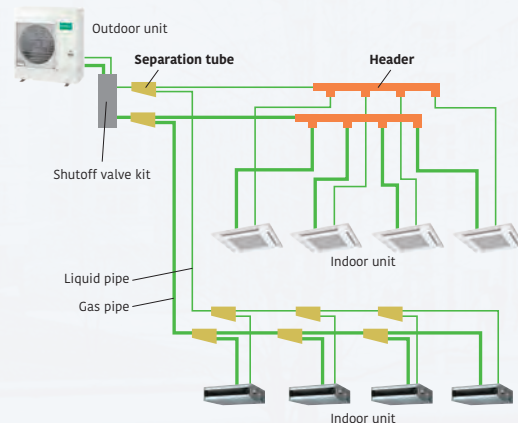
## Heat Pump

for Small-capacity type

NEW VRF **J-VS**

### System configuration example

- Suitable for air conditioning small and medium-size buildings. One refrigerant system is used for each outdoor unit.
- Multiple indoor units are connected with separation tubes and headers.



This product uses R32, an environmentally friendly refrigerant. With TOP-class energy efficiency and compact design, it can be installed in a limited and narrow space without being conspicuous.

for **SHOP**

for **LARGE APARTMENT**

for **OFFICE**

Saving CO<sub>2</sub>

Sustainable  
(R32)

Small Body

“5S” Leading  
to the Optimal  
Solution

Situational  
Piping Design

Sightliness  
installation

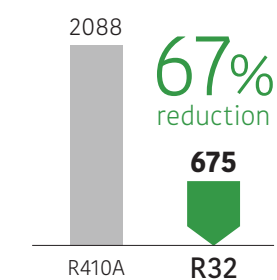


### R32 Refrigerant with Reduced Global Warming Potential

- High environmental properties
- High performance
- Economically efficient

GWP<sup>\*1</sup>

(Reference: IPCC 4th Report)



<sup>\*1</sup> GWP (Global Warming Potential): a measurement that indicates how much other greenhouse gases are capable of warming the Earth based on carbon dioxide. This is the integrated value of radiant energy given to the Earth (i.e., the estimated impact on global warming) expressed as a ratio to CO<sub>2</sub>.



## Sustainable

### European F-Gas Regulation Plan

The European Union has tightened F-gas rules as part of European Green Deal policy, which aims for Europe climate neutral by 2050. The F-gas Regulation mainly includes

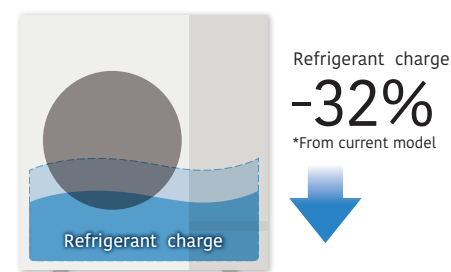
- (1) Reducing the total volume of HFCs and phasing out HFC in 2050.
- (2) The GWP limits for certain products are required to be strengthened.

General as one of its proactive efforts to preserve the global environment, we are working on technological development to achieve the best balance between refrigerants with lower GWP and energy efficiency of equipment adopting safety measures.

| 2029                                                                                                           | Available at J-VS | 2033                                                         | 2035                                | 2050                                                     |
|----------------------------------------------------------------------------------------------------------------|-------------------|--------------------------------------------------------------|-------------------------------------|----------------------------------------------------------|
| Split AC & HP<br>Over 12 kW:<br>GWP 750 and above prohibited<br>12 kW or less:<br>GWP 150 and above prohibited |                   | Split AC & HP<br>Over 12 kW:<br>GWP 150 and above prohibited | Split AC & HP<br>HFC use prohibited | an economy with<br>net-zero greenhouse<br>gas emissions. |

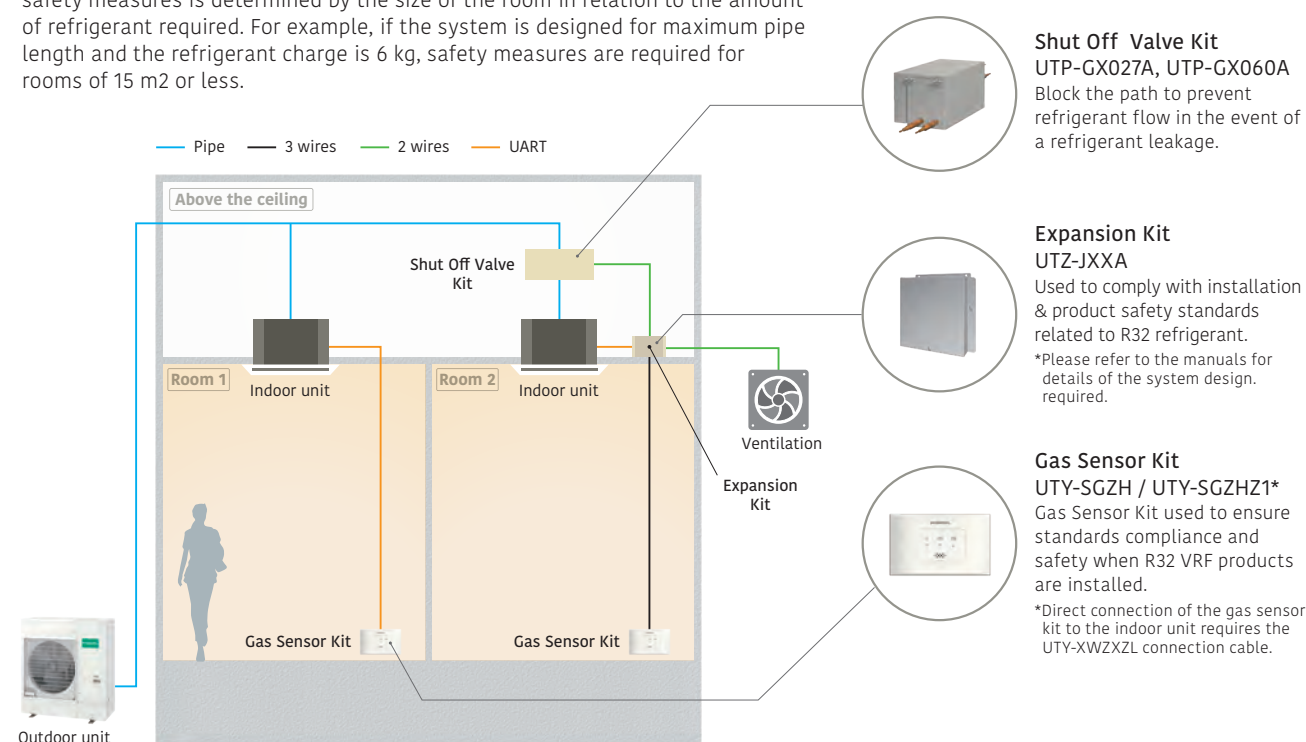
### Refrigerant Saving Design

Compact indoor unit, pipe design, and optimization of heat exchanger volume significantly reduce the system refrigerant volume.



### Enhanced Disaster Safety Measures

The system is designed to meet the environmental safety requirements specified in the IEC 603352-40 standard for the use of R32 refrigerant. The environment requiring safety measures is determined by the size of the room in relation to the amount of refrigerant required. For example, if the system is designed for maximum pipe length and the refrigerant charge is 6 kg, safety measures are required for rooms of 15 m<sup>2</sup> or less.



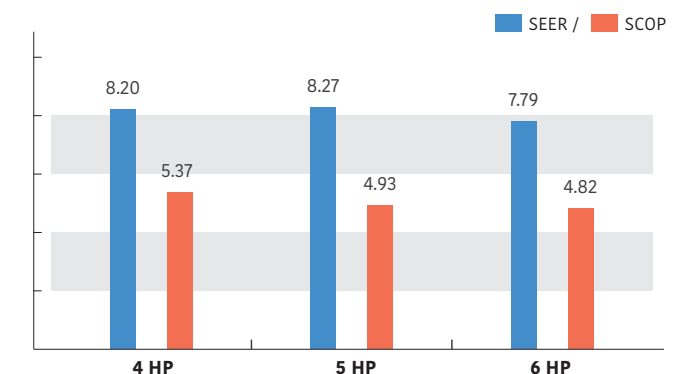
## Saving CO<sub>2</sub>

### Top-class High Energy Saving

The use of large heat exchanger and a high-efficiency Rotary compressor achieves class-leading SEER/SCOP in all models.

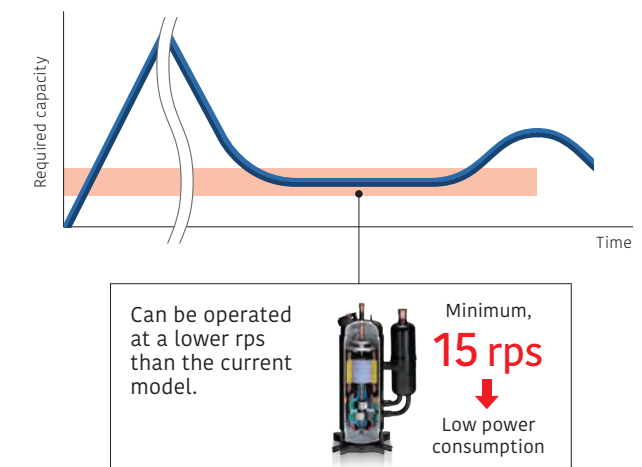
SEER  
8.27  
\*045 model

SCOP  
5.37  
\*040 model



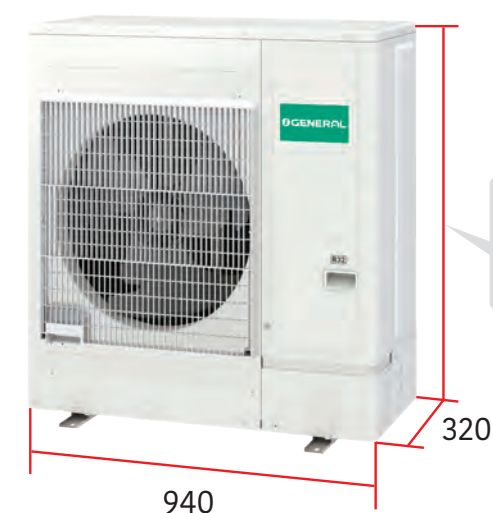
### More Energy-Saving Compressor Control

When the room temperature approaches the set temperature after the start of operation, the capacity required for the outdoor unit becomes lower. The minimum compressor speed at this time can now be controlled at a lower value than with conventional products, enabling more energy-efficient operation.



## Small Body

### Easy to Carry, Easy to Install



Light  
74kg\*  
\*Single phase only

Height difference  
998mm

### Small, Lightweight Outdoor Unit

The outdoor units in this series are much more compact than conventional outdoor units of comparable capacity. They can be installed on a balcony, fitting below the height of the railing. With a height of less than 1 m, they can be installed in tight spaces such as under windows.





## V-031





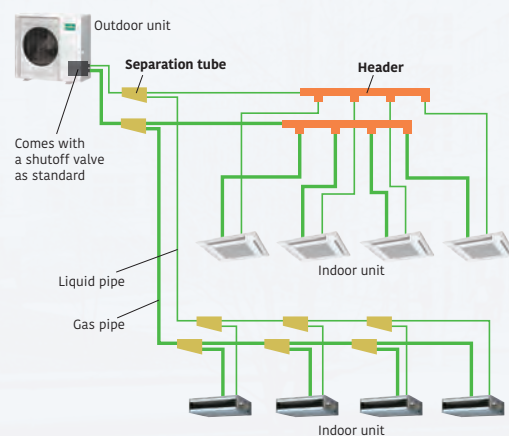
## Heat Pump

for Small-capacity type

NEW VRF J-V

### System configuration example

- Suitable for air conditioning small and medium-size buildings. One refrigerant system is used for each outdoor unit.
- Multiple indoor units are connected with separation tubes and headers.



Offering greater flexibility in installation locations

for **SHOP**

for **LARGE APARTMENT**

for **OFFICE**

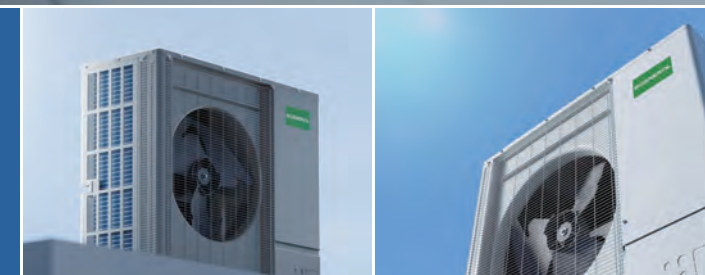


Outdoor unit

Official YouTube Channel



The J-V Series uses R32 refrigerant, making it easy to install at sites that require safety measures. All 4, 5, and 6 HP models feature a compact, single-fan outdoor unit, offering greater flexibility in installation locations.

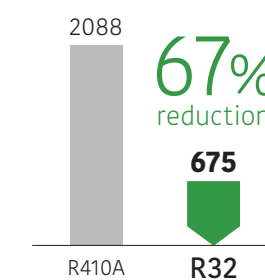


### R32 Refrigerant with Reduced Global Warming Potential

- High environmental properties
- High performance
- Economically efficient

GWP<sup>\*1</sup>

(Reference: IPCC 4th Report)



<sup>\*1</sup> GWP (Global Warming Potential): a measurement that indicates how much other greenhouse gases are capable of warming the Earth based on carbon dioxide. This is the integrated value of radiant energy given to the Earth (i.e., the estimated impact on global warming) expressed as a ratio to CO<sub>2</sub>.



## High Installation Flexibility

### Small, lightweight outdoor unit

The new J-V Series (4–6 HP) uses a single-fan chassis—more compact than the previous two-fan units, expanding installation options.

Current model: 6 HP class  
Height: 1334 mm  
Weight: 119 kg

NEW model: 6 HP class  
Height: 1,008 mm  
Weight: 117 kg

Height difference  
**326 mm**  
▲ 24%

Light weight  
**▲ 2 kg**



### Easy to carry, easy to install

Compact outdoor units under 1,008 mm tall provide exceptional installation flexibility, allowing placement in narrow spaces such as under windows or on rooftops where they remain largely unobtrusive.



## Situational Piping Design

### Long pipe length

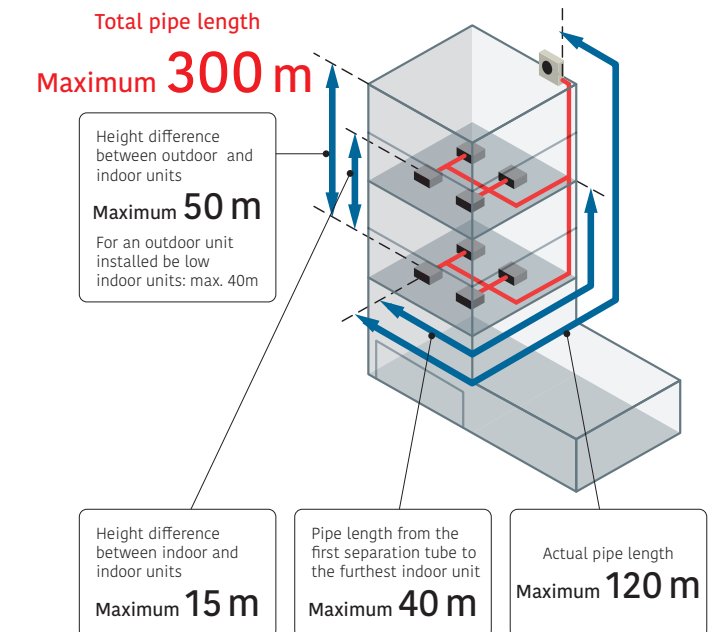
Our advanced refrigerant control technology allows us to achieve a total refrigerant pipe length of 300 m. This provides high flexibility in system design.

### Up to 14 indoor units\* can be connected

The combination of smaller but sufficiently powerful indoor units and outdoor units with an optimized heat exchanging structure makes it possible to connect up to 14 indoor units, which is the best in its class.

\*: 6 HP model

| Model                        | J-V |    |    |
|------------------------------|-----|----|----|
| Rating Capacity range (HP)   | 4   | 5  | 6  |
| Max. Connectable indoor unit | 11  | 12 | 14 |

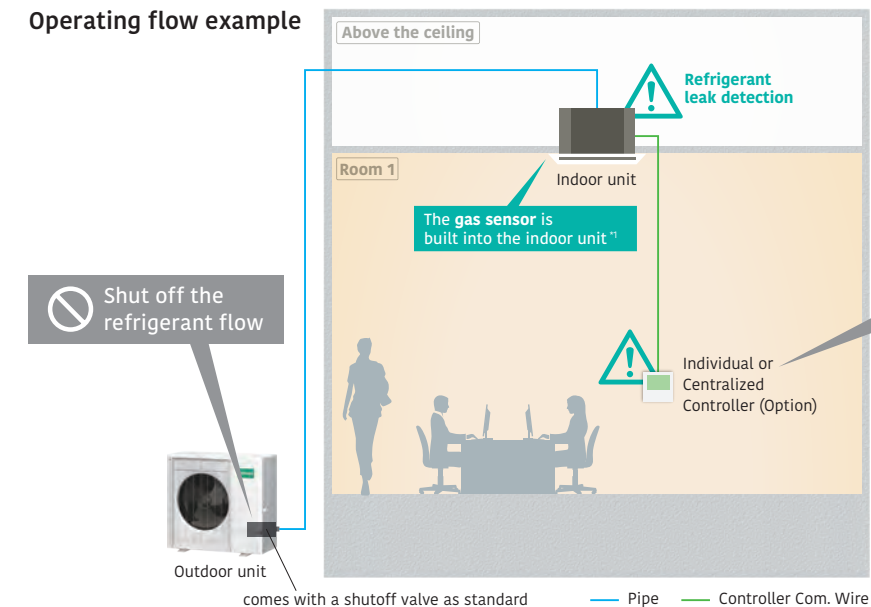


## Safety Measures

### Safety measures and improved install ability

The J-V Series comes with a shutoff valve as standard, eliminating the need for an additional shutoff valve.\*4 When combined with the new indoor unit featuring a built-in gas sensor, installation is significantly simplified. Furthermore, the optional individual remote control can serve as an alarm in the event of refrigerant leakage, eliminating the need for additional on-site procurement and thereby enhancing both convenience and safety.

### Operating flow example



#### Individual Controller (Option)



#### Centralized Controller (Option)



- Alarm
- Backlight flashing\*2
- Message display\*3

\*1: An expansion kit is required when installing a shutoff valve on the indoor unit side.  
\*2: The Central Remote Controller does not flash. It remains lit only.  
\*3: Simple Remote Controller is not supported.  
\*4: It is necessary to connect the required products according to the floor area of the space requirement and the amount of system refrigerant. For further details, please refer to the 'Design and Technical Manual'.



## High Energy Saving

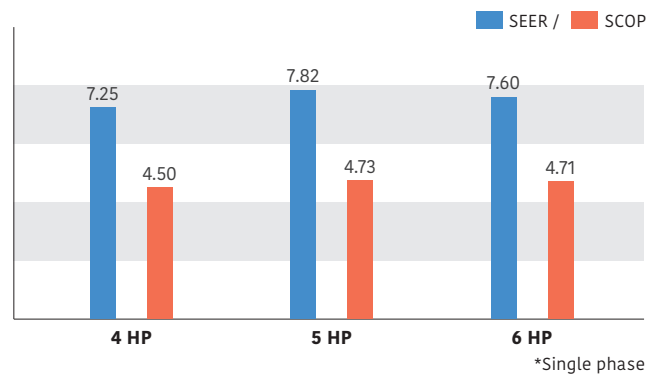
J-V provides environmentally conscious, high-efficiency operation while ensuring comfort.

SEER  
**7.82**

\*Single phase/5 HP

SCOP  
**4.50**

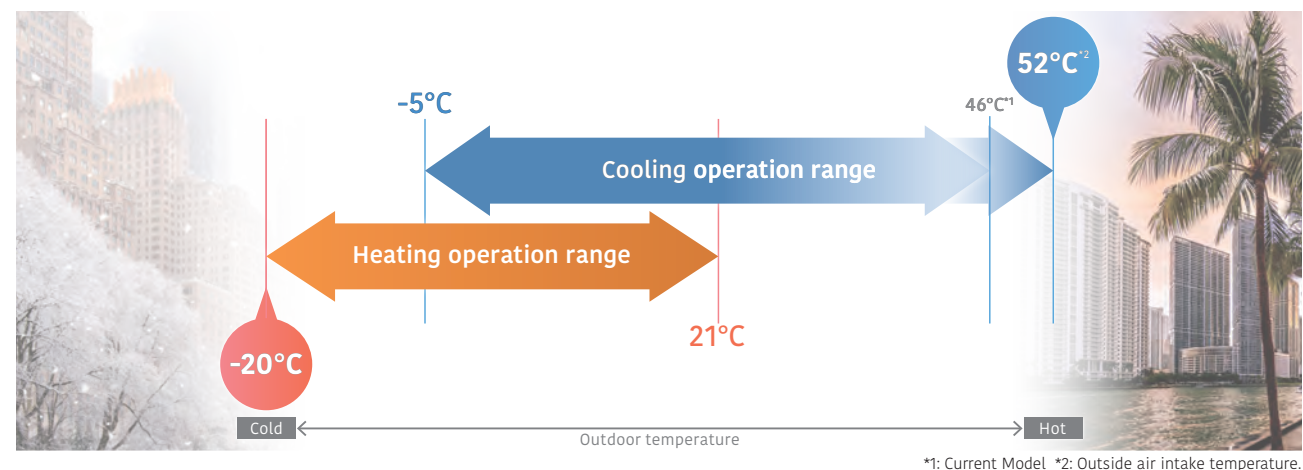
\*Single phase/4 HP



## Sightliness Installation

### Extended operating range for ambient temperature

Extended operable ambient temperature enables an offer to different regions with different temperature condition.



\*1: Current Model \*2: Outside air intake temperature.

### External static pressure

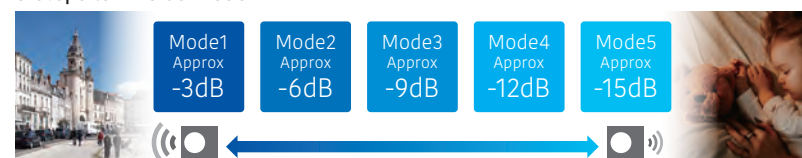
External static pressure measures up to 35 Pa. Even if the outdoor unit is installed in a small space to hide it, the grille and duct airflow path required for exhaust air can be installed up to a static pressure value of 35 Pa.



### Environmentally conscious with low-noise mode

5-steps low-noise modes are available. This allows for detailed noise control in various external environments.

#### 5-steps low noise mode



\*When using this function, cooling and heating performance may decrease.  
The noise reduction value in low-noise mode varies depending on the model.

4, 5, 6 HP: AJH040KBLAH / AJH045KBLAH / AJH054KBLAH  
AJH040KELAH [3-phase] / AJH045KELAH [3-phase] / AJH054KELAH [3-phase]



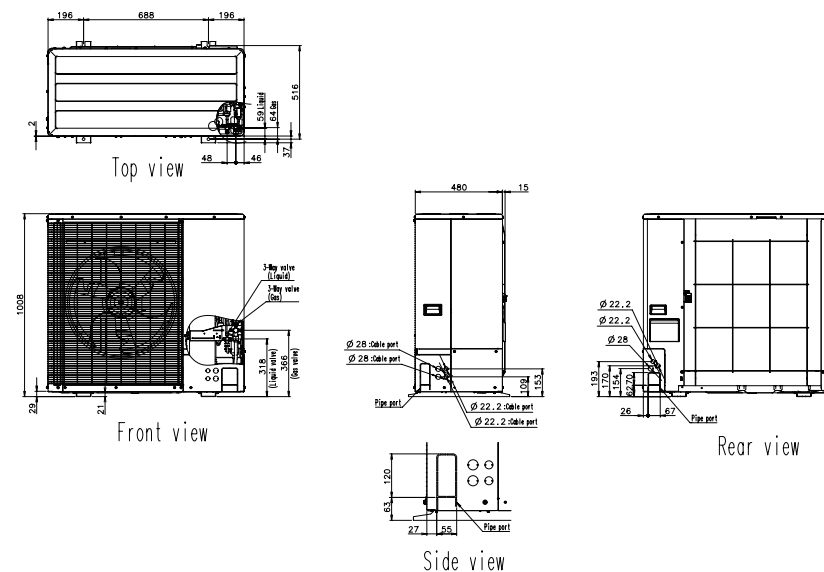
### Specifications

| Rated capacity range             |                                 | HP                        | 4                                 | 5                                 | 6                                 |
|----------------------------------|---------------------------------|---------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| Model name                       |                                 |                           | AJH040KBLAH                       | AJH045KBLAH                       | AJH054KBLAH                       |
| Maximum connectable indoor units |                                 |                           | 1-11                              | 1-12                              | 1-14                              |
| Power source                     |                                 |                           | Single phase, 230V, 50Hz          |                                   |                                   |
|                                  |                                 |                           | 3-phase, 4-wire, 400V, 50Hz       |                                   |                                   |
| Capacity                         | Cooling                         | kW                        | 12.1                              | 14.0                              | 15.5                              |
|                                  | Nominal Heating                 |                           | 12.1                              | 14.0                              | 15.5                              |
|                                  | Max. Heating                    |                           | 13.6                              | 16.0                              | 18.0                              |
| Input power                      | Cooling                         | kW                        | 3.25                              | 4.02                              | 4.70                              |
|                                  | Nominal Heating                 |                           | 2.67                              | 2.99                              | 3.48                              |
|                                  | Max. Heating                    |                           | 3.38                              | 3.74                              | 4.68                              |
| EER                              | Cooling                         | W/W                       | 3.72                              | 3.48                              | 3.30                              |
|                                  | Nominal Heating                 |                           | 4.52                              | 4.68                              | 4.45                              |
|                                  | Max. Heating                    |                           | 4.02                              | 4.28                              | 3.85                              |
| COP                              | Cooling                         | W/W                       | 7.25                              | 7.82                              | 7.60                              |
|                                  | Nominal Heating                 |                           | 4.50                              | 4.73                              | 4.71                              |
|                                  | Max. Heating                    |                           | 4.02                              | 4.28                              | 3.85                              |
| SEER                             | Cooling                         | %                         | 287.0                             | 309.8                             | 301.0                             |
|                                  | Nominal Heating                 |                           | 177.0                             | 186.2                             | 185.4                             |
|                                  | Max. Heating                    |                           | 4.750                             | 5.300                             | 5.300                             |
| Airflow rate                     | Cooling                         | m <sup>3</sup> /h         | 50/68                             | 52/70                             | 52/70                             |
|                                  | Nominal Heating                 |                           | 52/68                             | 55/71                             | 55/71                             |
|                                  | Max. Heating                    |                           | 52/68                             | 55/71                             | 55/71                             |
| Sound pressure level/Power level | Cooling                         | dB(A)                     | 50/68                             | 52/70                             | 52/70                             |
|                                  | Nominal Heating                 |                           | 52/68                             | 55/71                             | 55/71                             |
|                                  | Max. Heating                    |                           | 52/68                             | 55/71                             | 55/71                             |
| Heat exchanger fin               |                                 |                           | Blue fin                          | Blue fin                          | Blue fin                          |
| Net Dimensions                   | Height                          | mm                        | 1,008                             | 1,008                             | 1,008                             |
|                                  | Width                           |                           | 1,080                             | 1,080                             | 1,080                             |
|                                  | Depth                           |                           | 480                               | 480                               | 480                               |
| Weight                           | Height                          | kg                        | 117                               | 117                               | 117                               |
|                                  | Width                           |                           | 118                               | 118                               | 118                               |
|                                  | Depth                           |                           | 118                               | 118                               | 118                               |
| Refrigerant                      | Type (Global Warming Potential) | kg (CO <sub>2</sub> eq-T) | R32 (675)                         | R32 (675)                         | R32 (675)                         |
|                                  | Charge                          |                           | 4.0 (2.700)                       | 4.0 (2.700)                       | 4.0 (2.700)                       |
|                                  | Charge                          |                           | 4.0 (2.700)                       | 4.0 (2.700)                       | 4.0 (2.700)                       |
| Connection pipe diameter         | Liquid                          | mm                        | 9.52                              | 9.52                              | 9.52                              |
|                                  | Gas                             |                           | 15.88                             | 15.88                             | 15.88                             |
|                                  | Gas                             |                           | 15.88                             | 15.88                             | 15.88                             |
| Total pipe length                |                                 | m                         | 300                               | 300                               | 300                               |
| Max. height difference           |                                 |                           | 50/40 (Outdoor unit: Upper/Lower) | 50/40 (Outdoor unit: Upper/Lower) | 50/40 (Outdoor unit: Upper/Lower) |
| Operating Range                  | Cooling                         | °C                        | -5 to 52*                         | -5 to 52*                         | -5 to 52*                         |
|                                  | Nominal Heating                 |                           | -20 to 21                         | -20 to 21                         | -20 to 21                         |
|                                  | Max. Heating                    |                           | -20 to 21                         | -20 to 21                         | -20 to 21                         |

Note: Specifications are based on the following conditions.  
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.  
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.  
Pipe length: 11 m; Height difference between outdoor unit and indoor unit: 0 m.  
The protective function may work when using it outside the operation range.  
\*Outside air intake temperature.

### Dimensions

(Unit: mm)







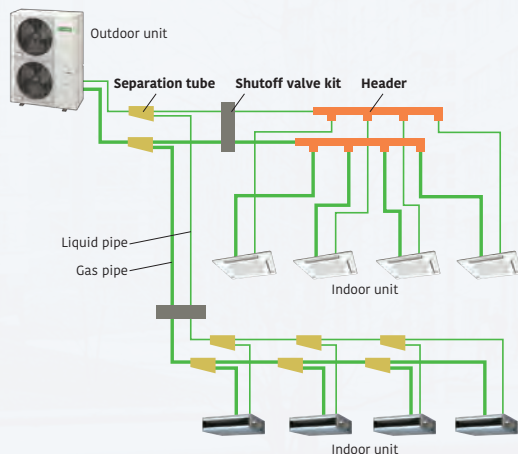
## Heat Pump

for Small-capacity type

NEW VRF **J-VL**

### System configuration example

- Suitable for air conditioning small and medium-size buildings. One refrigerant system is used for each outdoor unit.
- Multiple indoor units are connected with separation tubes and headers.



This product uses R32, an environmentally friendly refrigerant. J-VL is an outdoor unit with a slim design. Its flexibility in installation makes it ideal for midsize office buildings and hotels.

for **OFFICE**  
for **Hotel**  
for **SHOP**



**Environmental Considerations**  
**High energy saving**  
**High installation Flexibility**

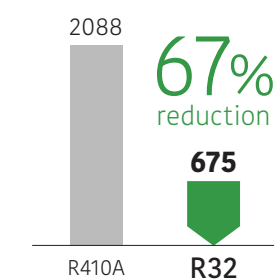


### R32 Refrigerant with Reduced Global Warming Potential

- High environmental properties
- High performance
- Economically efficient

GWP<sup>\*1</sup>

(Reference: IPCC 4th Report)



<sup>\*1</sup> GWP (Global Warming Potential): a measurement that indicates how much other greenhouse gases are capable of warming the Earth based on carbon dioxide. This is the integrated value of radiant energy given to the Earth (i.e., the estimated impact on global warming) expressed as a ratio to CO<sub>2</sub>.



## High Energy Saving

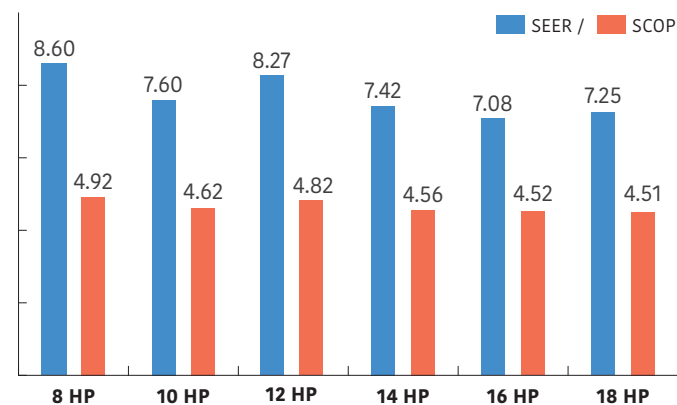
J-VL provides environmentally conscious, high-efficiency operation while ensuring comfort.

Cooling  $\eta_c$

ALL **280.2%** or above

Heating  $\eta_h$

ALL **177.4%** or above



## High installation Flexibility

### Slim design yet large capacity

Slim and space-saving design that can be installed even in narrow spaces, yet offers a large capacity of up to 18HP. Multiple units can be installed flexibly, allowing for high installation freedom.



8,10,12 HP: AJH072KELAH / AJH090KELAH / AJH108KELAH  
14,16,18 HP: AJH126KELAH / AJH144KELAH / AJH162KELAH



8, 10, 12 HP

14, 16, 18 HP

### Specifications

| Rated capacity range             |                                    | HP                | 8                                 | 10            | 12              | 14              | 16              | 18              |
|----------------------------------|------------------------------------|-------------------|-----------------------------------|---------------|-----------------|-----------------|-----------------|-----------------|
| Model name                       |                                    |                   | AJH072KELAH                       | AJH090KELAH   | AJH108KELAH     | AJH126KELAH     | AJH144KELAH     | AJH162KELAH     |
| Maximum connectable indoor units |                                    |                   | 1-20                              | 1-25          | 1-30            | 1-36            | 1-40            | 1-42            |
| Power source                     |                                    |                   | 3-phase, 400V~, 50Hz              |               |                 |                 |                 |                 |
| Capacity                         | Cooling                            | kW                | 22.4                              | 28.0          | 33.5            | 40.0            | 45.0            | 50.0            |
|                                  | Nominal Heating                    |                   | 22.4                              | 28.0          | 33.5            | 40.0            | 45.0            | 50.0            |
|                                  | Max. Heating                       |                   | 25.0                              | 31.5          | 37.5            | 45.0            | 50.0            | 55.0            |
| Input power                      | Cooling                            | kW                | 5.66                              | 7.87          | 9.28            | 11.87           | 13.77           | 15.39           |
|                                  | Nominal Heating                    |                   | 4.48                              | 6.44          | 7.57            | 8.80            | 10.98           | 12.76           |
|                                  | Max. Heating                       |                   | 5.46                              | 7.92          | 9.95            | 10.67           | 13.23           | 14.95           |
| EER                              | Cooling                            | W/W               | 3.96                              | 3.56          | 3.61            | 3.37            | 3.27            | 3.25            |
| COP                              | Nominal Heating                    |                   | 5.01                              | 4.35          | 4.43            | 4.55            | 4.10            | 3.92            |
|                                  | Max. Heating                       |                   | 4.58                              | 3.98          | 3.77            | 4.22            | 3.78            | 3.68            |
| SEER                             | Cooling                            |                   | 8.60                              | 7.60          | 8.27            | 7.42            | 7.08            | 7.25            |
| SCOP                             | Heating                            |                   | 4.92                              | 4.62          | 4.82            | 4.56            | 4.52            | 4.51            |
| $\eta_c$                         | Cooling                            | %                 | 341.0                             | 301.0         | 327.8           | 293.8           | 280.2           | 287.0           |
| $\eta_h$                         | Heating                            |                   | 193.8                             | 181.8         | 189.8           | 179.4           | 177.8           | 177.4           |
| Airflow rate                     |                                    | m <sup>3</sup> /h | 8,400 / 8,400                     | 9,000 / 9,000 | 11,000 / 11,900 | 13,000 / 13,000 | 14,000 / 14,000 | 14,800 / 15,300 |
| Sound pressure level/Power level | Cooling                            | dB(A)             | 50 / 66                           | 53 / 69       | 58 / 73         | 63 / 75         | 64 / 77         | 66 / 79         |
|                                  | Heating                            |                   | 52 / 66                           | 56 / 70       | 62 / 75         | 65 / 76         | 67 / 78         | 69 / 82         |
| Heat exchanger fin               |                                    |                   | Blue fin                          | Blue fin      | Blue fin        | Blue fin        | Blue fin        | Blue fin        |
| Net Dimensions                   | Height                             | mm                | 1,428                             | 1,428         | 1,428           | 1,638           | 1,638           | 1,638           |
|                                  | Width                              |                   | 1,080                             | 1,080         | 1,080           | 1,080           | 1,080           | 1,080           |
|                                  | Depth                              |                   | 480                               | 480           | 480             | 480             | 480             | 480             |
| Weight                           |                                    | kg                | 169                               | 177           | 178             | 213             | 213             | 213             |
| Refrigerant                      | Type (Global Warming Potential)    |                   | R32 (675)                         | R32 (675)     | R32 (675)       | R32 (675)       | R32 (675)       | R32 (675)       |
|                                  | Charge (kg (CO <sub>2</sub> eq-T)) |                   | 6.0 (4.05)                        | 6.5 (4.388)   | 6.5 (4.388)     | 9.0 (6.075)     | 9.0 (6.075)     | 9.0 (6.075)     |
| Connection pipe diameter         | Liquid                             | mm                | 9.52                              | 9.52          | 12.70           | 12.70           | 12.70           | 12.70           |
|                                  | Gas                                |                   | 19.05                             | 22.22         | 22.22           | 28.58           | 28.58           | 28.58           |
| Total pipe length                |                                    | m                 | 400                               | 400           | 400             | 400             | 400             | 400             |
| Max. height difference           |                                    |                   | 50/40 (Outdoor unit: Upper/Lower) |               |                 |                 |                 |                 |
| Operating Range                  | Cooling                            | C°                | -15 to 46                         | -15 to 46     | -15 to 46       | -5 to 46        | -5 to 46        | -5 to 46        |
|                                  | Heating                            |                   | -20 to 21                         | -20 to 21     | -20 to 21       | -20 to 21       | -20 to 21       | -20 to 21       |

Note: Specifications are based on the following conditions.

Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.

Heating: Indoor temperature of 20°CDB/15°CWB, and outdoor temperature of 7°CDB/6°CWB.

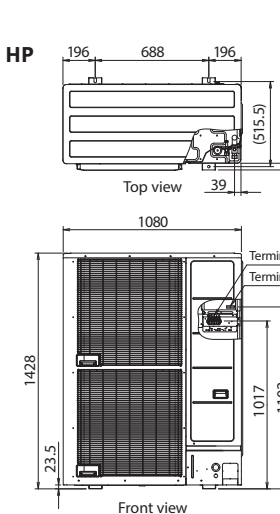
Pipe length: 11m (072/090), 15m (108/126/144/162); Height difference between outdoor unit and indoor unit: 0 m.

The protective function may work when using it outside the operation range.

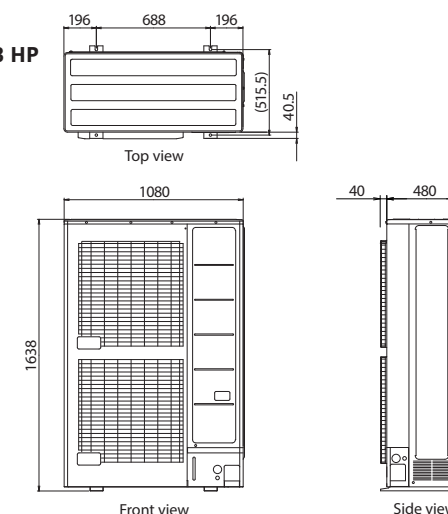
### Dimensions

(Unit: mm)

8, 10, 12 HP



14, 16, 18 HP



### Supports concealed installation

Even if the outdoor unit is installed in a small space to hide it, the grille and duct airflow path required for exhaust air can be installed up to a static pressure value of 60 Pa. (40Pa for 8/10/12HP)

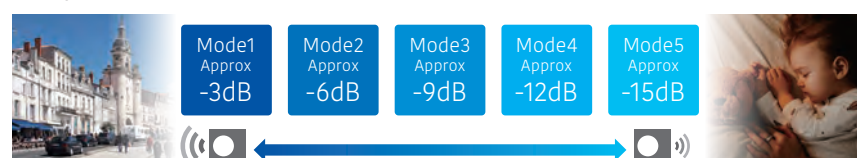
\*Capacities slightly decrease relative to the rated values during high static pressure operations.



### Environmentally conscious with low-noise mode

5-steps low-noise modes are available. This allows for detailed noise control in various external environments.

5-steps low noise mode



\*When using this function, cooling and heating performance may decrease. The noise reduction value in low-noise mode varies depending on the model.





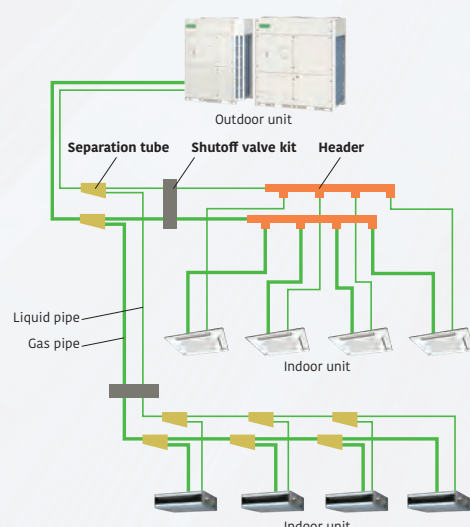
## Heat Pump / Heat Recovery

Modular type

**VU-V**

### System configuration example

- Suitable for air conditioning midsize and large buildings. Connecting each outdoor unit makes it possible to create a high-capacity system.
- Multiple indoor units are connected with separation tubes and headers.



Single unit  
covers a wide range  
of projects



Single unit  
Max.

# 22 HP

61.5 kW

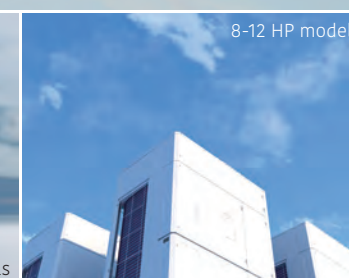
47 Indoor units

Combination  
Max. 44 HP

VU-V features many design improvements that yield higher performance and efficiency, wider operating ranges, greater design/installation flexibility, larger overall system capacities, and enhanced comfort.



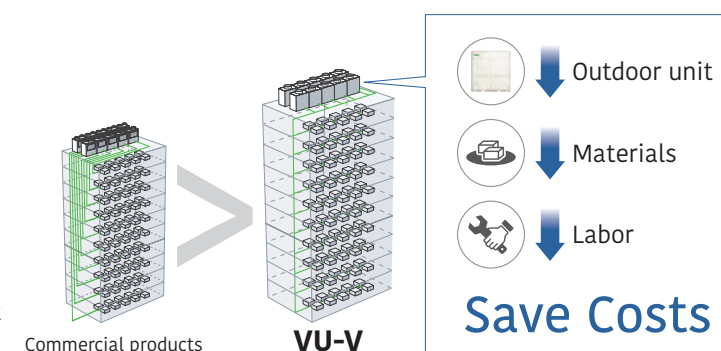
14-16 HP models



8-12 HP models

### Contributes to reduction of project costs

Contributes to reducing project costs outdoor units can be installed individually, with options up to 22 HP. This reduces the number of outdoor units required for installation and the materials needed (piping, power lines, communication lines, racks, breakers, conduits, etc.). This product is expected to reduce project costs.

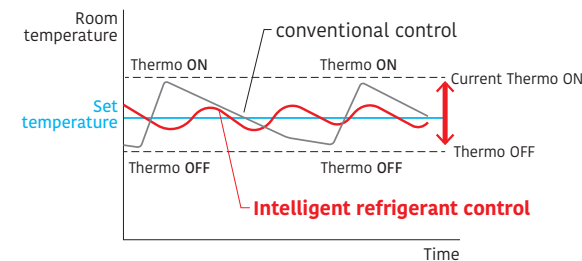




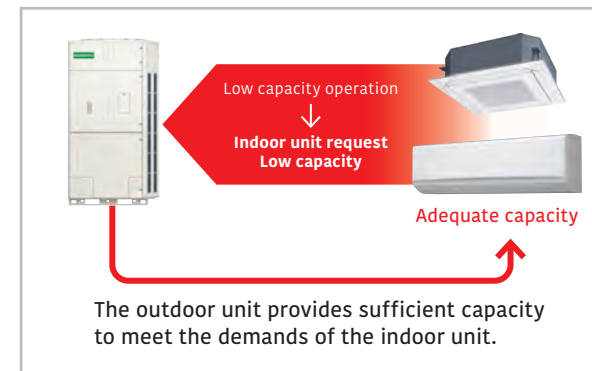
## High Energy Saving

### Intelligent refrigerant control

The Intelligent refrigerant control operates with suitable control corresponding to the heat load of the room and offers a more comfortable environment. The Intelligent refrigerant control can also provide increased energy savings.



The thermostat is turned on and off less frequently than under conventional control to maintain the room temperature at the target temperature. Compared to conventional control, the compressor will run longer, thus saving energy.



\* The improvements due to the control and the actual sine wave vary depending on the combination of the indoor unit and system operating conditions.

### Highly efficient operation

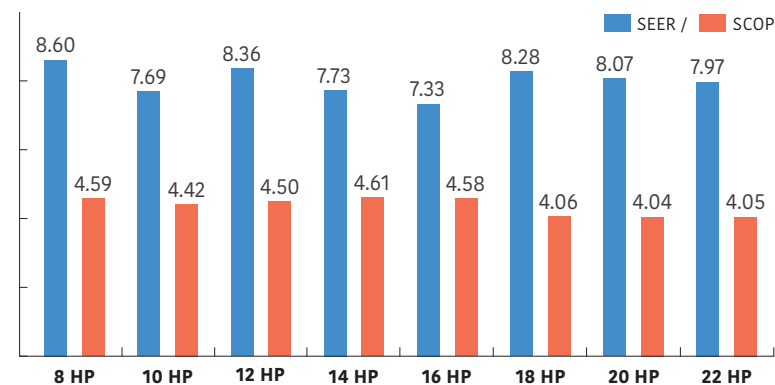
VU-V provides environmentally conscious, high-efficiency operation while ensuring comfort.

Cooling  $\eta_c$

ALL **250.0%** or above

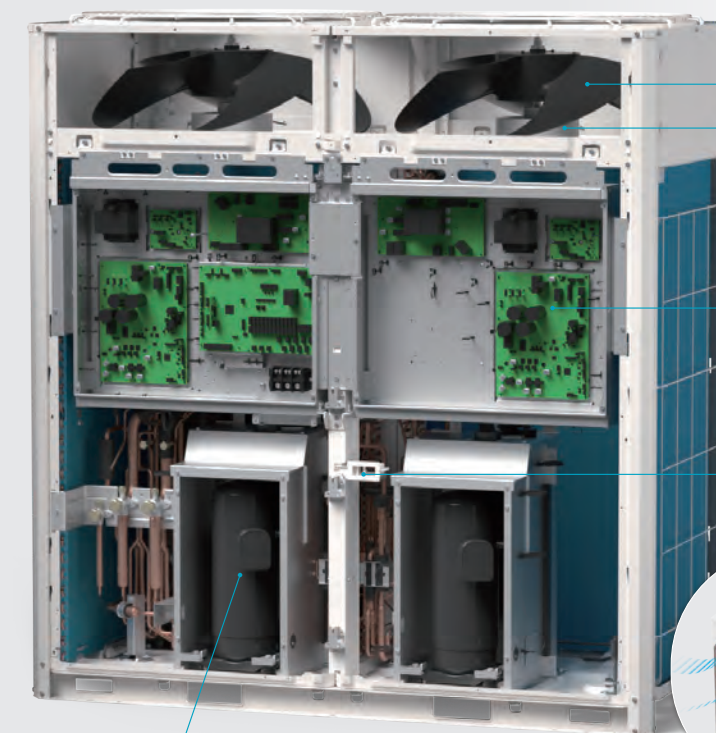
Heating  $\eta_h$

ALL **151.5%** or above



## Energy saving technology that boosts operation efficiency

### 18-22 HP models



**Powerful large propeller fan\***  
The fan uses CFD\* technology to achieve both high performance and low noise operation.

\*CFD: Computational Fluid Dynamics



**3-phase DC fan motor\***  
The use of a DC fan motor with sophisticated driver control improves energy efficiency substantially. In addition, this motor operates quietly.

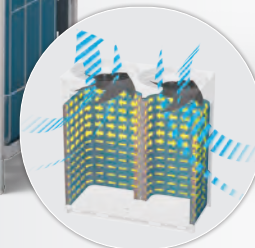


**Sine-wave DC inverter control\***  
High efficiency is realized by the adoption of reduced switching loss IPM.



**Subcooling heat exchanger**  
High heat exchange efficiency is achieved by using an internal projection-shape double-pipe construction.

\*: Same as 8-16 HP



**Refrigerant flow control (18/20/22 HP)**

Refrigerant flow is automatically adjusted within the heat exchanger depending on airflow balance.

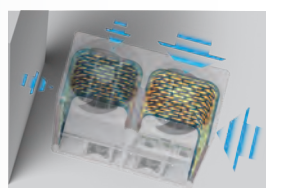


### NEW Scroll compressor

The system uses a scroll compressor with a wide rotational-speed range (15-120 rps), combined with General's unique sensorless sine-wave control method. This method smoothly controls the input power supplied to the motor, improving both energy efficiency and noise performance.

### Variable refrigerant volume design of heat exchangers

If the outdoor air intake airflow of the left and right heat exchangers is different, the system automatically monitors the refrigerant status and adjusts the refrigerant flow rate of each heat exchanger to prevent loss of thermal efficiency.



### 8-16 HP models



**4-face heat exchanger**  
The 4-face heat exchanger increases the effective surface area and significantly improves heat-exchanging efficiency.



**Front intake port (Corner cut air inlet structure)**  
In multiple outdoor unit installations, the unique front intake design improves airflow into the heat exchanger.

8-12 HP models

14-16 HP models



## Installation Flexibility

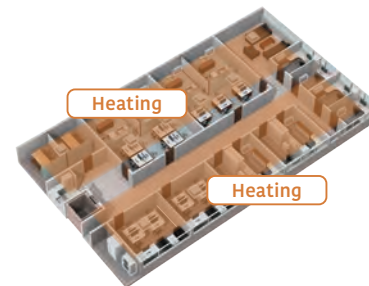


### Select system type according to the application

The same outdoor unit can be used for both heat pump and heat recovery applications.

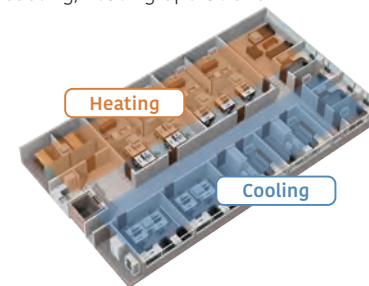
#### Heat Pump System

We provide heat pumps that can reduce the initial cost of RB units and connecting pipes for properties that have the same air conditioning load for each area and are used in the same operation mode throughout the year.



#### Heat Recovery System

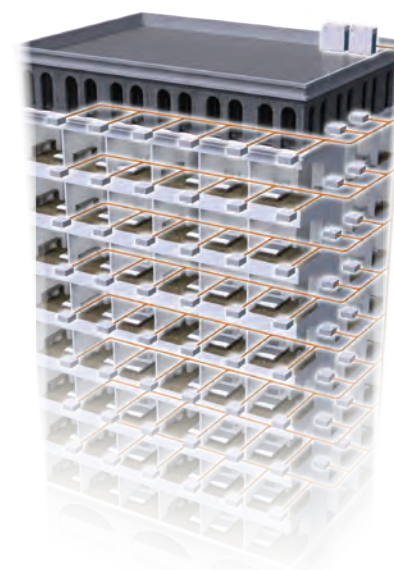
Heat recovery systems are proposed for office buildings where the air conditioning load varies between sun and shade in the middle of the year, and for restaurants/shops and hotels where different areas require different cooling/heating operations.



### Reducing outdoor unit installation space

A single outdoor unit can handle air conditioning up to 22 HP. This reduces reduce installation space and the number of outdoor units required.

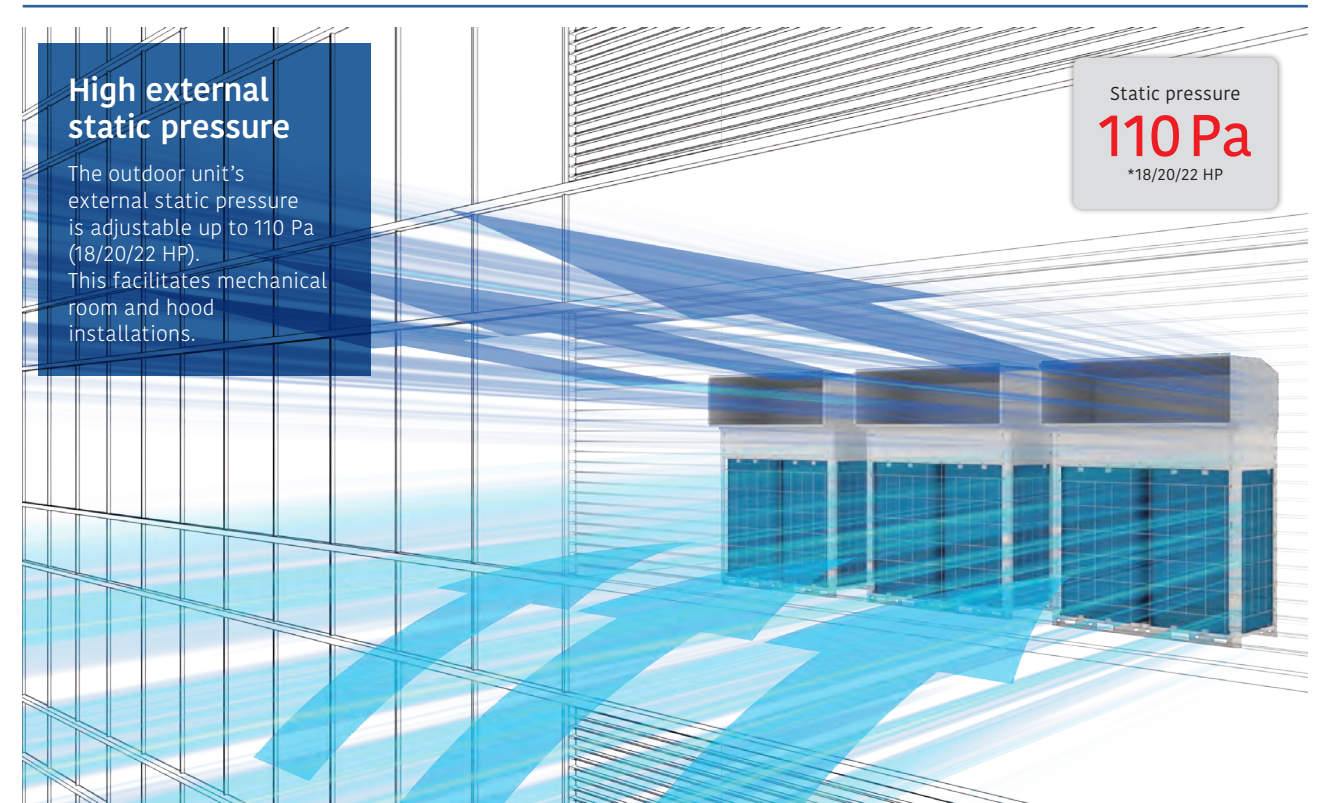
#### Comparison at 22 HP



### High external static pressure

The outdoor unit's external static pressure is adjustable up to 110 Pa (18/20/22 HP). This facilitates mechanical room and hood installations.

Static pressure  
**110 Pa**  
\*18/20/22 HP



### Piping flexibility and safety measures

#### NEW RB Unit includes Shut off valve kit function

In addition to switching between cooling and heating modes, an electronic expansion valve function has been added to shut off the refrigerant. This eliminates the need to install a separate shutoff valve kit, reducing costs and improving installation efficiency.



NEW RB unit  
(1 Port)

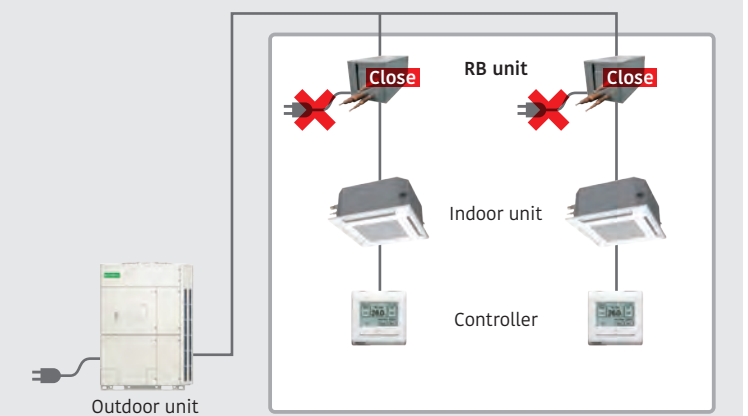


NEW RB unit  
(4 Port)

No need to use Shut off valve kit for heat recovery use, provide simple installation

### Enhanced disaster safety measures

It features a power backup function for use during power outages. Furthermore, to prevent refrigerant leakage during power failures, the shut-off valve closes when a power outage occurs.

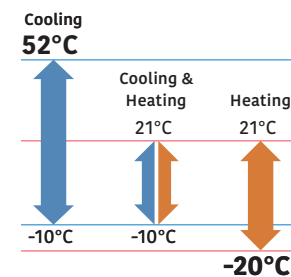




## Comfort

### Extended operating range for ambient temperature

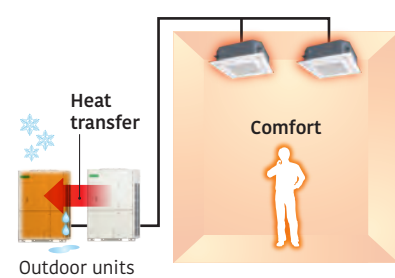
Extended operable ambient temperature enables an offer to different regions with different temperature condition.



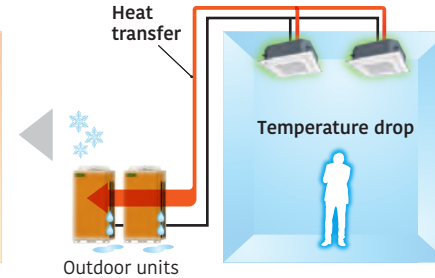
### Rotation defrosting Heat Recovery type & additional type only

Rotation defrosting uses heat from other units instead of room heat, minimizing temperature drops and maintaining comfort during defrosting.

NEW VU-V model

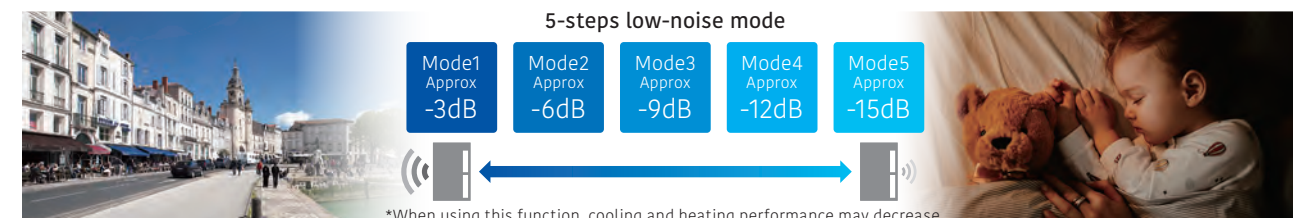


Current model



### Environmentally conscious with low-noise mode

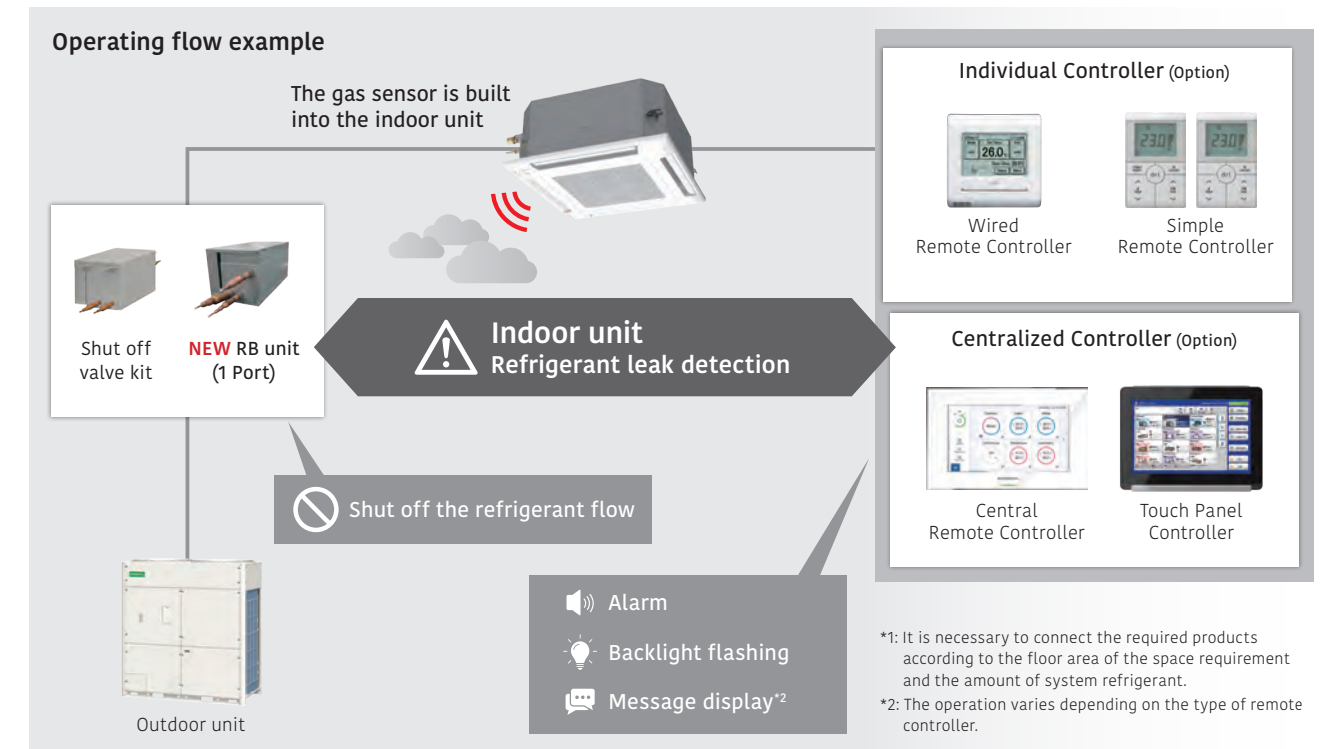
5-steps low-noise modes are available. This allows for detailed noise control in various external environments.



## Easy Support

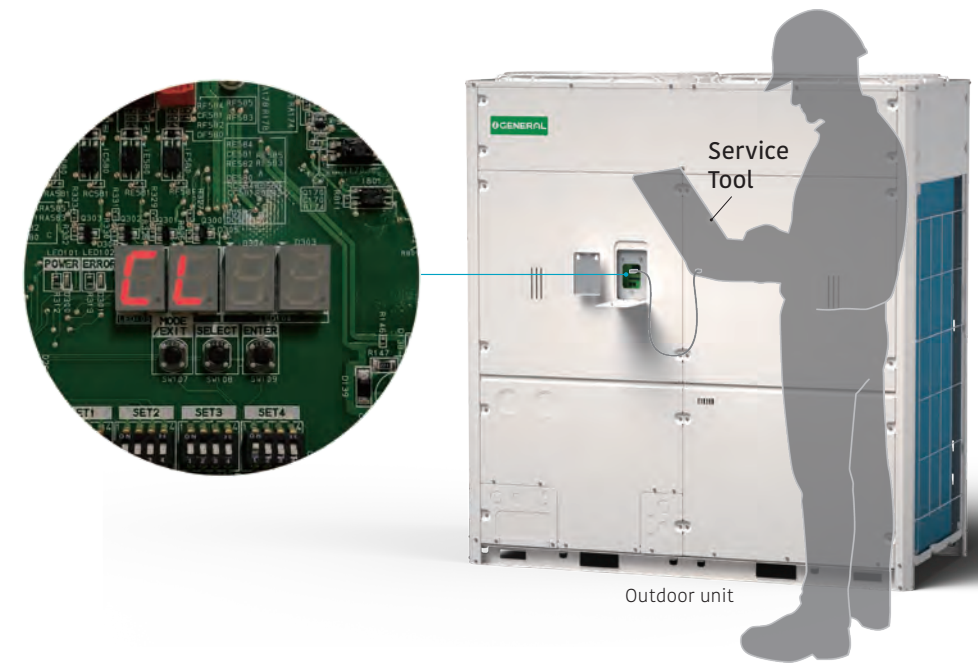
### Safety measures in case of refrigerant leak

Indoor units compatible with R32 refrigerant are equipped with a refrigerant leak detector. (Some indoor units require optional purchase.) Depending on the conditions of the room where the indoor unit is installed, countermeasures can be implemented using detection equipment.\*1 When activated, the refrigerant leak detector triggers the "Shut off valve kit" and "Wired Remote Controller" to operate simultaneously. This notifies the user or administrator of a refrigerant leak while simultaneously stopping refrigerant circulation.



### Service and maintenance window

The service window provides easy access to all multifunction displays and buttons without removing any main front panels. It is also convenient when connecting service tools.



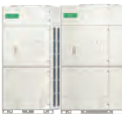


Outdoor units lineup • Combinations other than those listed below are not recommended.

Space saving combination

|                                                                                                                                                |                                                                                                                                                |                                                                                                                                                |                                                                                                                                                |                                                                                                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| 22.4 kW (8 HP)<br><br>AJH072HALAH<br>UNIT:AJH072HALAH         | 28.0 kW (10 HP)<br><br>AJH090HALAH<br>UNIT:AJH090HALAH        | 33.5 kW (12 HP)<br><br>AJH108HALAH<br>UNIT:AJH108HALAH        | 40.0 kW (14 HP)<br><br>AJH126HALAH<br>UNIT:AJH126HALAH       | 45.0 kW (16 HP)<br><br>AJH144HALAH<br>UNIT:AJH144HALAH      |
| 50.0 kW (18 HP)<br><br>AJH162HALAH<br>UNIT:AJH162HALAH        | 56.0 kW (20 HP)<br><br>AJH180HALAH<br>UNIT:AJH180HALAH        | 61.5 kW (22 HP)<br><br>AJH198HALAH<br>UNIT:AJH198HALAH        | 67.0 kW (24 HP)<br><br>AJH216HALAH<br>UNIT:AJH108/108HALAH   | 73.0 kW (26 HP)<br><br>AJH234HALAH<br>UNIT:AJH144/090HALAH  |
| 78.5 kW (28 HP)<br><br>AJH252HALAH<br>UNIT:AJH144/108HALAH    | 85.0 kW (30 HP)<br><br>AJH270HALAH<br>UNIT:AJH144/126HALAH    | 90.0 kW (32 HP)<br><br>AJH288HALAH<br>UNIT:AJH144/144HALAH    | 96.0 kW(34 HP)<br><br>AJH306HALAH<br>UNIT:AJH180/126HALAH    | 101.5 kW (36 HP)<br><br>AJH324HALAH<br>UNIT:AJH198/126HALAH |
| 106.5 kW (38 HP)<br><br>AJH342HALAH<br>UNIT:AJH198/144HALAH | 111.5 kW (40 HP)<br><br>AJH360HALAH<br>UNIT:AJH198/162HALAH | 117.5 kW (42 HP)<br><br>AJH378HALAH<br>UNIT:AJH198/180HALAH | 123.0 kw (44HP)<br><br>AJH396HALAH<br>UNIT:AJH198/198HALAH |                                                                                                                                                |

Energy efficiency combination

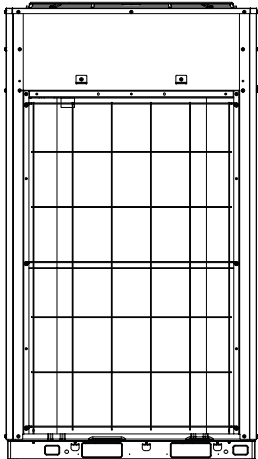
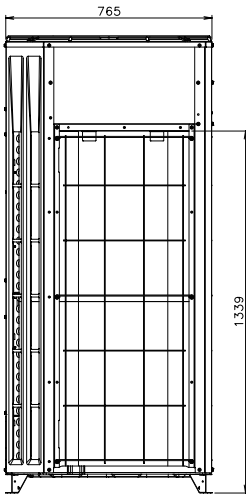
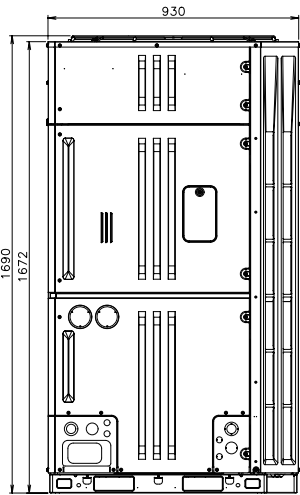
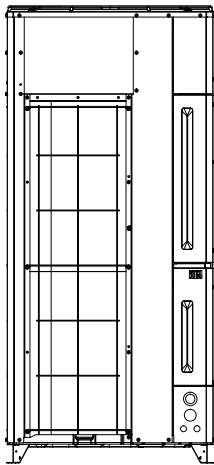
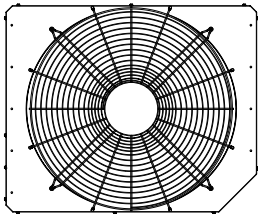
|                                                                                                                                                 |                                                                                                                                                 |                                                                                                                                                  |                                                                                                                                                   |                                                                                                                                                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| 44.8 kW (16 HP)<br><br>AJH144HALAHH<br>UNIT:AJH072/072HALAHH | 50.4 kW (18 HP)<br><br>AJH162HALAHH<br>UNIT:AJH090/072HALAHH | 56.0 kW (20 HP)<br><br>AJH180HALAHH<br>UNIT:AJH090/090HALAHH  | 61.5 kW (22 HP)<br><br>AJH198HALAHH<br>UNIT:AJH108/090HALAHH  | 67.4 kW (24 HP)<br><br>AJH216HALAHH<br>UNIT:AJH144/072HALAHH |
| 80.0 kW (28 HP)<br><br>AJH252HALAHH<br>UNIT:AJH126/126HALAHH | 90.0 kW (32 HP)<br><br>AJH288HALAHH<br>UNIT:AJH162/126HALAHH | 100.0 kW (36 HP)<br><br>AJH324HALAHH<br>UNIT:AJH162/162HALAHH | 106.0 kW (38 HP)<br><br>AJH342HALAHH<br>UNIT:AJH180/162HALAHH |                                                                                                                                                   |

8,10,12HP : AJH072HALAH / AJH090HALAH / AJH108HALAH



Dimensions

(Unit: mm)

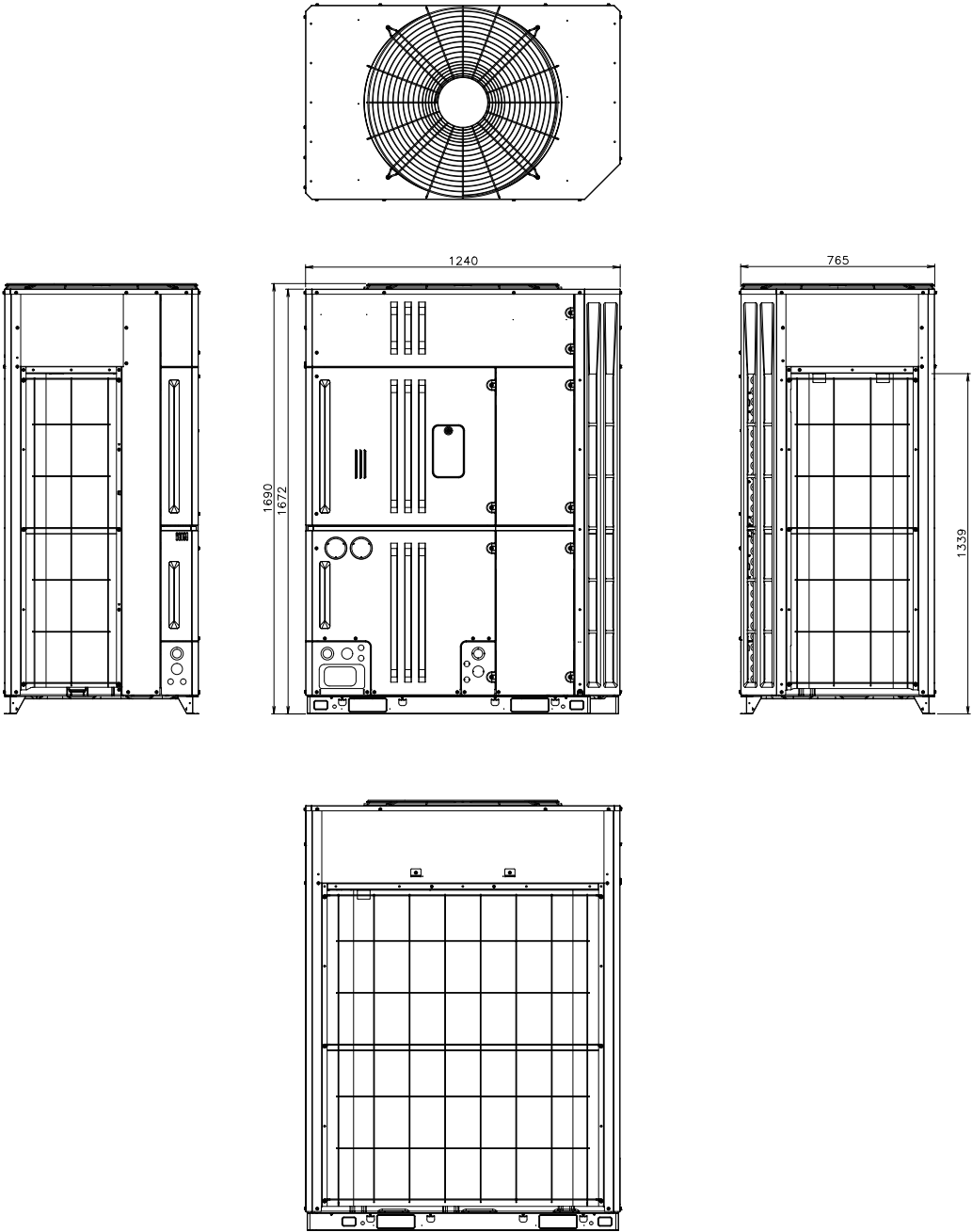




14,16HP : AJH126HALAH / AJH144HALAH



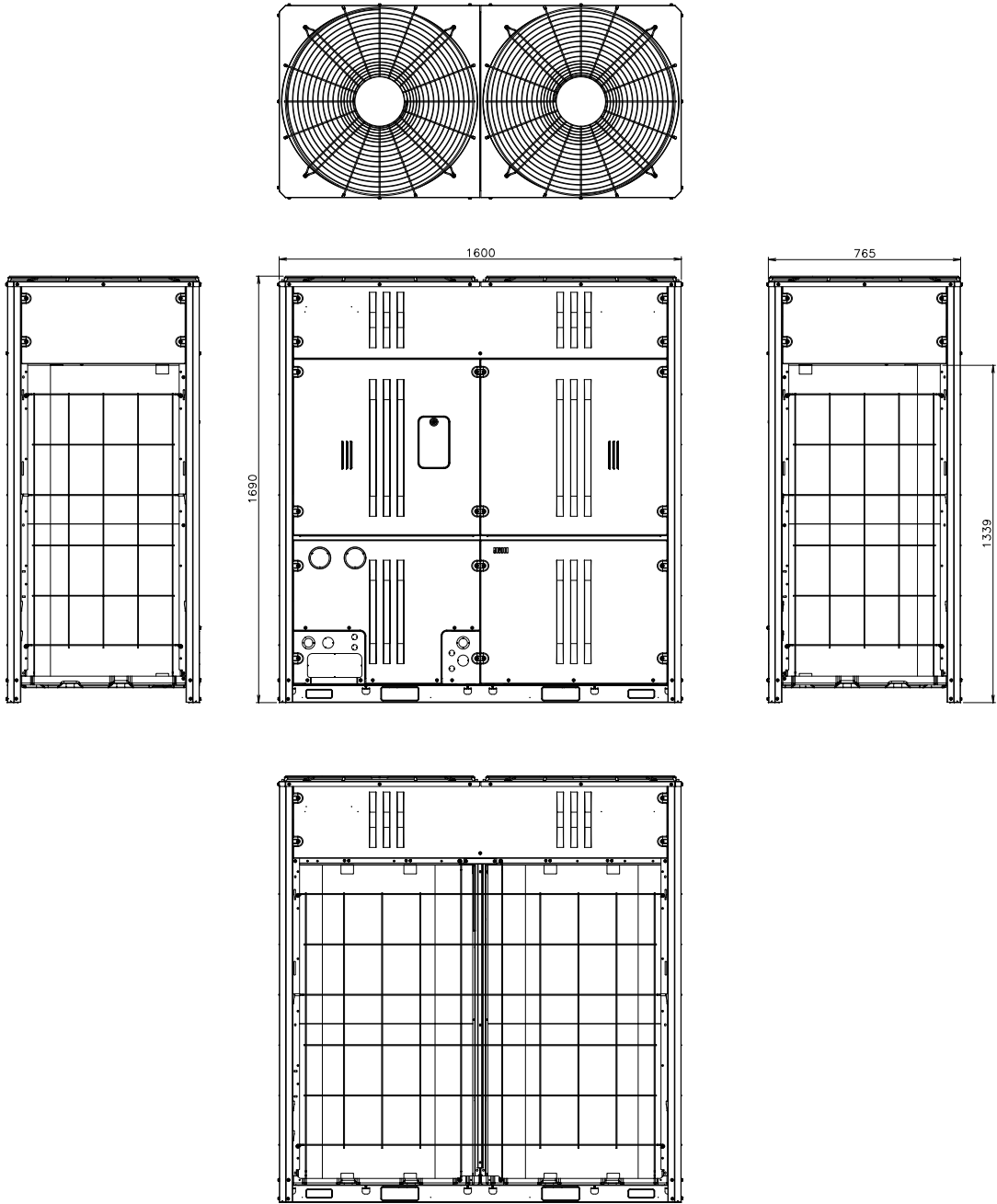
Dimensions  
(Unit: mm)



18,20,22HP : AJH162HALAH / AJH180HALAH / AJH198HALAH



Dimensions  
(Unit: mm)





Outdoor unit specifications

Space saving combination

| Rated Capacity range                       |                                 |                              | HP                           | 8                    | 10                   | 12                   | 14                   | 16                   | 18                   | 20                   | 22                   | 24                     | 26                     | 28                   | 30                   | 32                   | 34                   | 36                   | 38                   | 40                   | 42                   | 44               |
|--------------------------------------------|---------------------------------|------------------------------|------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|------------------|
| Model Name                                 |                                 |                              |                              | AJH072HALAH          | AJH090HALAH          | AJH108HALAH          | AJH126HALAH          | AJH144HALAH          | AJH162HALAH          | AJH180HALAH          | AJH198HALAH          | AJH216HALAH            | AJH234HALAH            | AJH252HALAH          | AJH270HALAH          | AJH288HALAH          | AJH306HALAH          | AJH324HALAH          | AJH342HALAH          | AJH360HALAH          | AJH378HALAH          | AJH396HALAH      |
| Unit 1                                     |                                 |                              |                              | AJH072HALAH          | AJH090HALAH          | AJH108HALAH          | AJH126HALAH          | AJH144HALAH          | AJH162HALAH          | AJH180HALAH          | AJH198HALAH          | AJH108HALAH            | AJH144HALAH            | AJH144HALAH          | AJH144HALAH          | AJH144HALAH          | AJH180HALAH          | AJH198HALAH          | AJH198HALAH          | AJH198HALAH          | AJH198HALAH          | AJH198HALAH      |
| Unit 2                                     |                                 |                              |                              | AJH072HALAH          | AJH090HALAH          | AJH108HALAH          | AJH126HALAH          | AJH144HALAH          | AJH162HALAH          | AJH180HALAH          | AJH198HALAH          | AJH108HALAH            | AJH144HALAH            | AJH108HALAH          | AJH144HALAH          | AJH126HALAH          | AJH126HALAH          | AJH126HALAH          | AJH144HALAH          | AJH162HALAH          | AJH180HALAH          | AJH198HALAH      |
| Maximum connectable indoor units*1         |                                 |                              |                              | 17                   | 21                   | 26                   | 30                   | 34                   | 39                   | 43                   | 47                   | 52                     | 55                     | 60                   | 64                   | 64                   | 64                   | 64                   | 64                   | 64                   | 64                   | 64               |
| Connectable capacity range of indoor units |                                 |                              | min-max                      | 11.2-33.6            | 14.0-42.0            | 16.8-50.2            | 20.0-60.0            | 22.5-67.5            | 25.0-75.0            | 28.0-84.0            | 30.8-92.2            | 33.5-100.5             | 36.5-109.5             | 39.3-117.7           | 42.5-127.5           | 45.0-135.0           | 48.0-144.0           | 50.8-152.2           | 53.3-159.7           | 55.8-167.2           | 58.8-176.2           | 61.5-184.5       |
| Power source                               |                                 |                              | 3-phase, 4-wire, 400 V, 50Hz |                      |                      |                      |                      |                      |                      |                      |                      |                        |                        |                      |                      |                      |                      |                      |                      |                      |                      |                  |
|                                            |                                 |                              | 3-phase, 4-wire, 400 V, 50Hz |                      |                      |                      |                      |                      |                      |                      |                      |                        |                        |                      |                      |                      |                      |                      |                      |                      |                      |                  |
| Capacity                                   | Cooling                         | kW                           | 22.4                         | 28.0                 | 33.5                 | 40.0                 | 45.0                 | 50.0                 | 56.0                 | 61.5                 | 67.0                 | 73.0                   | 78.5                   | 85.0                 | 90.0                 | 96.0                 | 101.5                | 106.5                | 111.5                | 117.5                | 123.0                |                  |
|                                            | Nominal Heating                 |                              | 22.4                         | 28.0                 | 33.5                 | 40.0                 | 42.0                 | 50.0                 | 56.0                 | 61.5                 | 67.0                 | 70.0                   | 75.5                   | 82.0                 | 84.0                 | 96.0                 | 101.5                | 103.5                | 111.5                | 117.5                | 123.0                |                  |
| Input power                                | Max. Heating                    | kW                           | 25.0                         | 31.5                 | 37.5                 | 45.0                 | 48.0                 | 56.5                 | 63.0                 | 69.0                 | 75.0                 | 79.5                   | 85.5                   | 93.0                 | 96.0                 | 108.0                | 114.0                | 117.0                | 125.5                | 132.0                | 138.0                |                  |
|                                            | Cooling                         |                              | 5.58                         | 7.50                 | 9.43                 | 11.76                | 14.06                | 12.69                | 15.13                | 17.62                | 18.86                | 21.56                  | 23.50                  | 25.82                | 28.12                | 26.89                | 29.38                | 31.68                | 30.31                | 32.75                | 35.24                |                  |
|                                            | Nominal Heating                 |                              | 4.50                         | 6.43                 | 7.70                 | 9.52                 | 9.95                 | 12.19                | 14.10                | 15.56                | 15.40                | 16.38                  | 17.65                  | 19.47                | 19.90                | 23.62                | 25.08                | 25.51                | 27.75                | 29.66                | 31.12                |                  |
|                                            | Max. Heating                    |                              | 5.58                         | 8.20                 | 9.48                 | 12.07                | 12.43                | 13.54                | 17.87                | 20.36                | 18.96                | 20.63                  | 21.91                  | 24.50                | 24.86                | 29.94                | 32.43                | 32.79                | 33.90                | 38.23                | 40.72                |                  |
| EER                                        | Cooling                         | W/W                          | 4.01                         | 3.73                 | 3.55                 | 3.40                 | 3.20                 | 3.94                 | 3.70                 | 3.49                 | 3.55                 | 3.38                   | 3.34                   | 3.29                 | 3.20                 | 3.57                 | 3.45                 | 3.36                 | 3.67                 | 3.58                 | 3.49                 |                  |
| Nominal Heating                            | 4.97                            |                              | 4.35                         | 4.35                 | 4.20                 | 4.23                 | 4.10                 | 3.97                 | 3.95                 | 4.35                 | 4.27                 | 4.27                   | 4.21                   | 4.22                 | 4.06                 | 4.04                 | 4.05                 | 4.01                 | 3.96                 | 3.95                 |                      |                  |
| COP                                        | Max. Heating                    |                              | 4.48                         | 3.84                 | 3.95                 | 3.72                 | 3.86                 | 4.17                 | 3.52                 | 3.38                 | 3.95                 | 3.85                   | 3.90                   | 3.79                 | 3.86                 | 3.60                 | 3.51                 | 3.56                 | 3.70                 | 3.45                 | 3.38                 |                  |
| SEER                                       | Cooling                         |                              | 8.60                         | 7.69                 | 8.36                 | 7.73                 | 7.33                 | 8.28                 | 8.07                 | 7.97                 | 8.36                 | 7.51                   | 7.84                   | 7.53                 | 7.33                 | 7.90                 | 7.85                 | 7.65                 | 8.12                 | 8.02                 | 7.97                 |                  |
| SCOP                                       | Heating                         | %                            | 4.59                         | 4.42                 | 4.50                 | 4.61                 | 4.58                 | 4.06                 | 4.04                 | 4.05                 | 4.50                 | 4.50                   | 4.54                   | 4.59                 | 4.58                 | 4.32                 | 4.33                 | 4.31                 | 4.05                 | 4.04                 | 4.05                 |                  |
| ηc                                         | Cooling                         |                              | 341.4                        | 304.6                | 331.4                | 306.2                | 290.2                | 328.2                | 319.8                | 315.8                | 331.4                | 297.4                  | 310.8                  | 298.2                | 290.2                | 313.0                | 311.0                | 303.0                | 322.0                | 317.8                | 315.8                |                  |
| ηh                                         | Heating                         | 180.6                        | 173.8                        | 177.0                | 181.4                | 180.2                | 159.4                | 158.6                | 159.0                | 177.0                | 177.0                | 178.6                  | 180.8                  | 180.2                | 170.0                | 170.2                | 169.6                | 159.2                | 158.8                | 159.0                |                      |                  |
|                                            | High                            | 11,100                       | 11,100                       | 11,100               | 13,200               | 13,200               | 20,000               | 22,200               | 22,200               | 11,100×2             | 13,200+11,100        | 13,200+11,100          | 13,200×2               | 13,200×2             | 22,200+13,200        | 22,200+13,200        | 22,200+13,200        | 22,200+20,000        | 22,200×2             | 22,200×2             |                      |                  |
| Sound pressure level*2 / Power level       | Cooling                         | dB(A)                        | 57/77                        | 60/80                | 61/81                | 61/81                | 61/81                | 61/81                | 65/85                | 65/85                | 64/84                | 64/84                  | 64/84                  | 64/84                | 64/84                | 66/86                | 66/86                | 66/86                | 66/86                | 68/88                | 68/88                |                  |
|                                            | Heating                         |                              | 58/78                        | 59/79                | 63/83                | 62/82                | 63/83                | 64/84                | 67/87                | 67/87                | 66/86                | 64/84                  | 66/86                  | 66/86                | 66/86                | 66/86                | 68/88                | 68/88                | 68/88                | 69/89                | 70/90                | 70/90            |
| Max. External static pressure              |                                 |                              | Pa                           | 80                   | 80                   | 80                   | 80                   | 80                   | 110                  | 110                  | 110                  | 80                     | 80                     | 80                   | 80                   | 80                   | 80                   | 80                   | 110                  | 110                  | 110                  |                  |
| Compressor motor output                    |                                 |                              | kW                           | 6.10                 | 6.10                 | 6.10                 | 7.90                 | 7.90                 | 6.10 × 2             | 6.10 × 2             | 6.10 × 2             | 6.10 × 2               | 7.90 + 6.10            | 7.90 + 6.10          | 7.90 × 2             | 7.90 + 7.90          | 6.10 × 2 + 7.90      | 6.10 × 2 + 7.90      | 6.10 × 2 + 7.90      | 6.10 × 2 + 6.10 × 2  | 6.10 × 2 + 6.10 × 2  | 6.10 × 2 × 2     |
| Heat exchanger fin                         |                                 |                              | Corrugate (Aluminum)         | Corrugate (Aluminum) | Corrugate (Aluminum) | Corrugate (Aluminum) | Corrugate (Aluminum) | Corrugate (Aluminum) | Corrugate (Aluminum) | Corrugate (Aluminum) | Corrugate (Aluminum) | Corrugate (Aluminum)   | Corrugate (Aluminum)   | Corrugate (Aluminum) | Corrugate (Aluminum) | Corrugate (Aluminum) | Corrugate (Aluminum) | Corrugate (Aluminum) | Corrugate (Aluminum) | Corrugate (Aluminum) | Corrugate (Aluminum) |                  |
| Net Dimensions                             | Height                          | mm                           | 1,690                        | 1,690                | 1,690                | 1,690                | 1,690                | 1,690                | 1,690                | 1,690                | 1,690                | 1,690                  | 1,690                  | 1,690                | 1,690                | 1,690                | 1,690                | 1,690                | 1,690                | 1,690                | 1,690                |                  |
|                                            | Width                           |                              | 930                          | 930                  | 930                  | 1,240                | 1,240                | 1,600                | 1,600                | 1,600                | 1,600                | 930×2                  | 1,240+930              | 1,240+930            | 1,240×2              | 1,240×2              | 1,600+1,240          | 1,600+1,240          | 1,600+1,240          | 1,600×2              | 1,600×2              |                  |
|                                            | Depth                           |                              | 765                          | 765                  | 765                  | 765                  | 765                  | 765                  | 765                  | 765                  | 765                  | 765                    | 765                    | 765                  | 765                  | 765                  | 765                  | 765                  | 765                  | 765                  | 765                  |                  |
| Weight                                     |                                 |                              | kg                           | 251                  | 251                  | 251                  | 278                  | 278                  | 414                  | 414                  | 414                  | 251×2                  | 278+251                | 278+251              | 278×2                | 278×2                | 414+278              | 414+278              | 414+278              | 414×2                | 414×2                | 414 × 2          |
| Refrigerant                                | Type (Global Warming Potential) |                              | R32 (675)                    | R32 (675)            | R32 (675)            | R32 (675)            | R32 (675)            | R32 (675)            | R32 (675)            | R32 (675)            | R32 (675)            | R32 (675)              | R32 (675)              | R32 (675)            | R32 (675)            | R32 (675)            | R32 (675)            | R32 (675)            | R32 (675)            | R32 (675)            | R32 (675)            | R32 (675)        |
|                                            | Charge                          | kg (CO2eq-T)                 | 9.8 (6.615)                  | 9.8 (6.615)          | 9.8 (6.615)          | 11.8 (7.965)         | 11.8 (7.965)         | 11.8 (7.965)         | 11.8 (7.965)         | 11.8 (7.965)         | 9.8×2 (6.615×2)      | 11.8+9.8 (7.965+6.615) | 11.8+9.8 (7.965+6.615) | 11.8×2 (7.965×2)     | 11.8×2 (7.965×2)     | 11.8×2 (7.965×2)     | 11.8×2 (7.965×2)     | 11.8×2 (7.965×2)     | 11.8×2 (7.965×2)     | 11.8×2 (7.965×2)     | 11.8×2 (7.965×2)     | 11.8×2 (7.965×2) |
| Connection pipe diameter                   | Liquid for HP and HR            | mm                           | 9.52                         | 9.52                 | 12.70                | 12.70                | 12.70                | 12.70                | 12.70                | 12.70                | 12.70                | 15.88                  | 15.88                  | 15.88                | 15.88                | 15.88                | 15.88                | 15.88                | 15.88                | 15.88                | 15.88                |                  |
|                                            | Discharge Gas for HR            |                              | 15.88                        | 15.88                | 19.05                | 19.05                | 19.05                | 19.05                | 19.05                | 22.22                | 22.22                | 22.22                  | 22.22                  | 22.22                | 28.58                | 28.58                | 28.58                | 28.58                | 28.58                | 28.58                | 28.58                |                  |
|                                            | Gas for HP, Suction Gas for HR  |                              | 19.05                        | 19.05                | 22.22                | 22.22                | 22.22                | 22.22                | 28.58                | 28.58                | 28.58                | 28.58                  | 28.58                  | 34.92                | 34.92                | 34.92                | 34.92                | 34.92                | 34.92                | 34.92                | 34.92                |                  |
| Operating Range                            | Heat Pump (HP)                  | Cooling                      | -15 to 52                    | -15 to 52            | -15 to 52            | -15 to 52            | -15 to 52            | -15 to 52            | -15 to 52            | -15 to 52            | -5 to 52             | -5 to 52               | -5 to 52               | -5 to 52             | -5 to 52             | -5 to 52             | -5 to 52             | -5 to 52             | -5 to 52             | -5 to 52             | -5 to 52             |                  |
|                                            |                                 | Heating                      | -20 to 21                    | -20 to 21            | -20 to 21            | -20 to 21            | -20 to 21            | -20 to 21            | -20 to 21            | -20 to 21            | -20 to 21            | -20 to 21              | -20 to 21              | -20 to 21            | -20 to 21            | -20 to 21            | -20 to 21            | -20 to 21            | -20 to 21            | -20 to 21            | -20 to 21            |                  |
|                                            | Heat Recovery (HR)              | Cooling                      | -10 to 52                    | -10 to 52            | -10 to 52            | -10 to 52            | -10 to 52            | -10 to 52            | -10 to 52            | -10 to 52            | -10 to 52            | -10 to 52              | -10 to 52              | -10 to 52            | -10 to 52            | -10 to 52            | -10 to 52            | -10 to 52            | -10 to 52            | -10 to 52            | -10 to 52            |                  |
|                                            |                                 | Heating                      | -20 to 21                    | -20 to 21            | -20 to 21            | -20 to 21            | -20 to 21            | -20 to 21            | -20 to 21            | -20 to 21            | -20 to 21            | -20 to 21              | -20 to 21              | -20 to 21            | -20 to 21            | -20 to 21            | -20 to 21            | -20 to 21            | -20 to 21            | -20 to 21            | -20 to 21            |                  |
|                                            |                                 | Cooling/Heating simultaneous | -10 to 21                    | -10 to 21            | -10 to 21            | -10 to 21            | -10 to 21            | -10 to 21            | -10 to 21            | -10 to 21            | -10 to 21            | -10 to 21              | -10 to 21              | -10 to 21            | -10 to 21            | -10 to 21            | -10 to 21            | -10 to 21            | -10 to 21            | -10 to 21            | -10 to 21            |                  |

Energy Efficiency Combination

| Rated Capacity range                       |                                 |                              | HP        | 16                           | 18                   | 20                   | 22                   | 24                   | 28                   | 32                           | 36                   | 38                   |  |
|--------------------------------------------|---------------------------------|------------------------------|-----------|------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|------------------------------|----------------------|----------------------|--|
| Model Name                                 |                                 |                              |           | AJH144HALAHH                 | AJH162HALAHH         | AJH180HALAHH         | AJH198HALAHH         | AJH216HALAHH         | AJH252HALAHH         | AJH288HALAHH                 | AJH324HALAHH         | AJH342HALAHH         |  |
| Unit 1                                     |                                 |                              |           | AJH072HALAH                  | AJH090HALAH          | AJH090HALAH          | AJH108HALAH          | AJH144HALAH          | AJH126HALAH          | AJH162HALAH                  | AJH162HALAH          | AJH180HALAH          |  |
| Unit 2                                     |                                 |                              |           | AJH072HALAH                  | AJH072HALAH          | AJH090HALAH          | AJH090HALAH          | AJH072HALAH          | AJH126HALAH          | AJH126HALAH                  | AJH162HALAH          | AJH162HALAH          |  |
| Maximum connectable indoor units*1         |                                 |                              |           | 34                           | 38                   | 42                   | 47                   | 51                   | 60                   | 64                           | 64                   | 64                   |  |
| Connectable capacity range of indoor units | min-max                         |                              | kW        | 22.4 - 67.2                  | 25.2 - 75.6          | 28.0 - 84.0          | 30.8 - 92.3          | 33.7 - 101.1         | 40.0 - 120.0         | 45.0 - 135.0                 | 50.0 - 150.0         | 53.0 - 159.0         |  |
| Power source                               |                                 |                              |           | 3-phase, 4-wire, 400 V, 52Hz |                      |                      |                      |                      |                      | 3-phase, 4-wire, 400 V, 58Hz |                      |                      |  |
| Capacity                                   | Cooling                         |                              | kW        | 44.8                         | 50.4                 | 56.0                 | 61.5                 | 67.4                 | 80.0                 | 90.0                         | 100.0                | 106.0                |  |
|                                            | Nominal Heating                 |                              |           | 44.8                         | 50.4                 | 56.0                 | 61.5                 | 64.4                 | 80.0                 | 90.0                         | 100.0                | 106.0                |  |
|                                            | Max. Heating                    |                              |           | 50.0                         | 56.5                 | 63.0                 | 69.0                 | 73.0                 | 90.0                 | 101.5                        | 113.0                | 119.5                |  |
| Input power                                | Cooling                         |                              | kW        | 11.16                        | 13.08                | 15.00                | 16.94                | 19.64                | 23.52                | 24.45                        | 25.38                | 27.82                |  |
|                                            | Nominal Heating                 |                              |           | 9.00                         | 10.93                | 12.86                | 14.13                | 14.45                | 19.04                | 21.71                        | 24.38                | 26.29                |  |
|                                            | Max. Heating                    |                              |           | 11.16                        | 13.78                | 16.40                | 17.68                | 18.01                | 24.14                | 25.61                        | 27.08                | 31.41                |  |
| EER                                        | Cooling                         |                              | W/W       | 4.01                         | 3.85                 | 3.73                 | 3.63                 | 3.43                 | 3.40                 | 3.68                         | 3.94                 | 3.81                 |  |
| COP                                        | Nominal Heating                 |                              |           | 4.97                         | 4.61                 | 4.35                 | 4.35                 | 4.45                 | 4.20                 | 4.14                         | 4.10                 | 4.03                 |  |
|                                            | Max. Heating                    |                              |           | 4.48                         | 4.10                 | 3.84                 | 3.90                 | 4.05                 | 3.72                 | 3.96                         | 4.17                 | 3.80                 |  |
| SEER                                       | Cooling                         |                              |           | 8.60                         | 8.14                 | 7.69                 | 8.02                 | 7.96                 | 7.73                 | 8.00                         | 8.28                 | 7.98                 |  |
| SCOP                                       | Heating                         |                              |           | 4.59                         | 4.50                 | 4.42                 | 4.46                 | 4.59                 | 4.61                 | 4.34                         | 4.06                 | 4.24                 |  |
| ηc                                         | Cooling                         |                              | %         | 341.0                        | 322.8                | 304.6                | 318.0                | 315.6                | 306.2                | 317.2                        | 328.2                | 316.4                |  |
| ηh                                         | Heating                         |                              |           | 180.6                        | 177.2                | 173.8                | 175.4                | 180.4                | 181.4                | 170.4                        | 159.4                | 166.6                |  |
| Air flow rate                              | High                            |                              | m³/h      | 11,100×2                     | 11,100×2             | 11,100×2             | 11,100×2             | 13,200+11,100        | 13,200×2             | 20,000+13,200                | 20,000×2             | 22,200+20,000        |  |
| Sound pressure level*2 / Power level       | Cooling                         |                              | dB(A)     | 60/80                        | 62/82                | 63/83                | 64/84                | 62/82                | 64/84                | 64/84                        | 66/86                | 66/86                |  |
|                                            | Heating                         |                              |           | 61/81                        | 62/82                | 62/82                | 64/84                | 64/84                | 65/85                | 66/86                        | 67/87                | 69/89                |  |
| Max. External static pressure              |                                 |                              |           | Pa                           | 80                   | 80                   | 80                   | 80                   | 80                   | 80                           | 110                  | 110                  |  |
| Compressor motor output                    |                                 |                              |           | kW                           | 6.10×2               | 6.10×2               | 6.10×2               | 6.10×2               | 7.90+6.10            | 7.90×2                       | 6.10 x 2+7.90        | 6.10 x 2×2           |  |
| Heat exchanger fin                         |                                 |                              |           | Corrugate (Aluminum)         | Corrugate (Aluminum) | Corrugate (Aluminum) | Corrugate (Aluminum) | Corrugate (Aluminum) | Corrugate (Aluminum) | Corrugate (Aluminum)         | Corrugate (Aluminum) | Corrugate (Aluminum) |  |
| Net Dimensions                             | Height                          |                              | mm        | 1,690                        | 1,690                | 1,690                | 1,690                | 1,690                | 1,690                | 1,690                        | 1,690                | 1,690                |  |
|                                            | Width                           |                              |           | 930×2                        | 930×2                | 930×2                | 930×2                | 1,240×930            | 1,240×2              | 1,600+1,240                  | 1,600×2              | 1,600×2              |  |
|                                            | Depth                           |                              |           | 765                          | 765                  | 765                  | 765                  | 765                  | 765                  | 765                          | 765                  | 765                  |  |
| Weight                                     |                                 |                              |           | kg                           | 251×2                | 251×2                | 251×2                | 251×2                | 278×251              | 278×2                        | 414×278              | 414×2                |  |
| Refrigerant                                | Type (Global Warming Potential) |                              |           | R32 (675)                    | R32 (675)            | R32 (675)            | R32 (675)            | R32 (675)            | R32 (675)            | R32 (675)                    | R32 (675)            | R32 (675)            |  |
|                                            | Charge                          |                              |           | kg (CO2eq-T)                 | 9.8×2 (6.615×2)      | 9.8×2 (6.615×2)      | 9.8×2 (6.615×2)      | 9.8×2 (6.615×2)      | 11.8×2 (7.965+6.615) | 11.8×2 (7.965×2)             | 11.8×2 (7.965×2)     | 11.8×2 (7.965×2)     |  |
|                                            | Liquid for HP and HR            |                              |           | mm                           | 12.70                | 12.70                | 12.70                | 12.70                | 15.88                | 15.88                        | 15.88                | 15.88                |  |
| Discharge Gas for HR                       |                                 |                              | 19.05     |                              | 19.05                | 22.22                | 22.22                | 22.22                | 28.58                | 28.58                        | 28.58                |                      |  |
| Connection pipe diameter                   | Gas for HP, Suction Gas for HR  |                              |           | 22.22                        | 22.22                | 28.58                | 28.58                | 28.58                | 28.58                | 34.92                        | 34.92                | 34.92                |  |
|                                            | Operating Range                 | Heat Pump (HP)               | Cooling   | *CDB                         | -5 to 52             | -5 to 52             | -5 to 52             | -5 to 52             | -5 to 52             | -5 to 52                     | -5 to 52             | -5 to 52             |  |
| Heating                                    |                                 |                              | -20 to 21 |                              | -20 to 21            | -20 to 21            | -20 to 21            | -20 to 21            | -20 to 21            | -20 to 21                    |                      |                      |  |
| Heat Recovery (HR)                         |                                 | Cooling                      | -10 to 52 |                              | -10 to 52            | -10 to 52            | -10 to 52            | -10 to 52            | -10 to 52            | -10 to 52                    | -10 to 52            |                      |  |
|                                            |                                 | Heating                      | -20 to 21 |                              | -20 to 21            | -20 to 21            | -20 to 21            | -20 to 21            | -20 to 21            | -20 to 21                    | -20 to 21            |                      |  |
|                                            |                                 | Cooling/Heating simultaneous | -10 to 21 |                              | -10 to 21            | -10 to 21            | -10 to 21            | -10 to 21            | -10 to 21            | -10 to 21                    | -10 to 21            |                      |  |





# VRF R32 INDOOR UNITS

5 types and 121 models available to meet the requirements of any building design.

Indoor units for the VRF Systems are compact, highly efficient, quiet, and user-friendly. General offers a variety of types and capacities for its indoor units that are easy to install and maintain. In addition, a variety of optional parts are available to provide an even more desirable air conditioning experience to users.

V-058 VRF Indoor Unit Lineup for J-VS, J-VL, VU-V

## Cassette

V-060 Compact 4-way flow

**Cassette** - Built in gas sensor

V-062 Compact 4-way flow

V-064 Circular Flow - Slim

V-066 Circular Flow - Large

V-068 1-way Flow Cassette

**Duct** - Built in gas sensor

V-070 Low Static Pressure Mini Duct

V-072 Low Static Pressure Slim Duct

V-074 Medium Static Pressure

V-076 High Static Pressure Duct

**Floor, Ceiling** - Built in gas sensor

V-080 Compact floor (EEV Internal/external)

V-082 Ceiling

**Wall-Mounted** - Built in gas sensor

V-084 Wall-Mounted (EEV Internal/external)

V-086 Wall-Mounted

## Wall-Mounted

V-088 Wall-Mounted (EEV Internal/external)





## VRF Indoor Unit Lineup for J-VS J-VL VU-V

| Capacity range (kW) |                                                          |                                          |                                                                                                                                                   | 1.1           | 1.7           | 2.2           | 2.8           |  | 3.6           | 4.0           | 4.5           | 5.6           | 7.1           | 9.0           | 10.0          | 11.2          | 12.5          | 14.0          | 18.0          | 22.4          | 25.0          | 28.0          |
|---------------------|----------------------------------------------------------|------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------|---------------|---------------|--|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Class               |                                                          |                                          |                                                                                                                                                   | 4             | 5             | 7             | 9             |  | 12            | 14            | 14            | 18            | 24            | 30            | 34            | 36            | 45            | 54            | 60            | 72            | 90            | 96            |
| Cassette            | Compact 4-way flow                                       | Standard*1                               |                                                                  | AUXB 004 HLAH | AUXB 005 HLAH | AUXB 007 HLAH | AUXB 009 HLAH |  | AUXB 012 HLAH |               | AUXB 014 HLAH | AUXB 018 HLAH |               |               |               |               |               |               |               |               |               |               |
|                     |                                                          | Standard<br>Built in gas sensor          |  NEW                                                             | AUXB 004 HLBH | AUXB 005 HLBH | AUXB 007 HLBH | AUXB 009 HLBH |  | AUXB 012 HLBH |               | AUXB 014 HLBH | AUXB 018 HLBH |               |               |               |               |               |               |               |               |               |               |
|                     |                                                          | High Efficiency*1*2                      |                                                                  |               |               |               | AUXN 009 HLAH |  | AUXN 012 HLAH |               | AUXN 014 HLAH |               |               |               |               |               |               |               |               |               |               |               |
|                     | Circular Flow                                            | Slim<br>Built in gas sensor              |  NEW                                                             |               |               |               | AUXM 009 HLBH |  | AUXM 012 HLBH |               | AUXM 014 HLBH | AUXM 018 HLBH | AUXM 024 HLBH | AUXM 030 HLBH |               |               |               |               |               |               |               |               |
|                     |                                                          | High Efficiency*2<br>Built in gas sensor |  NEW                                                             |               |               |               |               |  |               |               |               | AUXN 018 HLBH |               |               |               |               |               |               |               |               |               |               |
|                     |                                                          | Large<br>Built in gas sensor             |  NEW                                                             |               |               |               |               |  |               |               |               | AUXK 018 HLBH | AUXK 024 HLBH | AUXK 030 HLBH | AUXK 034 HLBH | AUXK 036 HLBH | AUXK 045 HLBH | AUXK 054 HLBH |               |               |               |               |
|                     | 1-way Flow                                               | Built in gas sensor                      |  004 - 012 014 - 024 NEW                                         | AUXV 004 HLBH | AUXV 005 HLBH | AUXV 007 HLBH | AUXV 009 HLBH |  | AUXV 012 HLBH |               | AUXV 014 HLBH | AUXV 018 HLBH | AUXV 024 HLBH |               |               |               |               |               |               |               |               |               |
| Duct                | Low Static Pressure                                      | Mini Duct<br>Built in gas sensor         |  004 - 012 014 - 018 024 NEW                                     | ARXK 004 HLBH | ARXK 005 HLBH | ARXK 007 HLBH | ARXK 009 HLBH |  | ARXK 012 HLBH |               | ARXK 014 HLBH | ARXK 018 HLBH | ARXK 024 HLBH |               |               |               |               |               |               |               |               |               |
|                     |                                                          | Slim Duct<br>Built in gas sensor         |  004 - 014 018 024 NEW                                           | ARXD 004 HLBH | ARXD 005 HLBH | ARXD 007 HLBH | ARXD 009 HLBH |  | ARXD 012 HLBH |               | ARXD 014 HLBH | ARXD 018 HLBH | ARXD 024 HLBH |               |               |               |               |               |               |               |               |               |
|                     |                                                          | High Efficiency*1*2                      |  009 - 014                                                     |               |               |               | ARXP 009 HLAH |  | ARXP 012 HLAH |               | ARXP 014 HLAH |               |               |               |               |               |               |               |               |               |               |               |
|                     | Medium Static Pressure                                   | Standard<br>Built in gas sensor          |  007 - 018 024 - 030 036 - 045 NEW                             |               |               | ARXL 007 HTBH | ARXL 009 HTBH |  | ARXL 012 HTBH |               | ARXL 014 HTBH | ARXL 018 HTBH | ARXL 024 HTBH | ARXL 030 HTBH |               | ARXL 036 HTBH | ARXL 045 HTBH |               |               |               |               |               |
|                     |                                                          | High Efficiency*2<br>Built in gas sensor |  018 - 030 NEW                                                 |               |               |               |               |  |               |               |               | ARXP 018 HTBH |               | ARXP 030 HTBH |               |               |               |               |               |               |               |               |
|                     | High Static Pressure*3                                   | Built in gas sensor                      |  036 045 - 060 NEW                                             |               |               |               |               |  |               |               |               |               |               |               |               | ARXC 036 HTBH | ARXC 045 HTBH |               | ARXC 060 HTBH |               |               |               |
|                     |                                                          |                                          |  072 - 090 096 NEW                                             |               |               |               |               |  |               |               |               |               |               |               |               |               |               |               |               | ARXC 072 HTBH | ARXC 090 HTBH | ARXC 096 HTBH |
| Floor               | EEV Internal<br>Built in gas sensor                      |                                          |  NEW                                                           |               |               | AGHA 007 HCBH | AGHA 009 HCBH |  | AGHA 012 HCBH | AGHA 014 HCBH |               |               |               |               |               |               |               |               |               |               |               |               |
|                     | EEV External<br>Built in gas sensor                      |                                          |  This model requires the EV Kit to be connected. NEW           |               |               | AGHE 007 HCBH | AGHE 009 HCBH |  | AGHE 012 HCBH | AGHE 014 HCBH |               |               |               |               |               |               |               |               |               |               |               |               |
| Ceiling             | Built in gas sensor                                      |                                          |  012 - 018 024 - 030 036 - 054 NEW                             |               |               |               |               |  | ABHA 012 HTBH |               | ABHA 014 HTBH | ABHA 018 HTBH | ABHA 024 HTBH | ABHA 030 HTBH |               | ABHA 036 HTBH | ABHA 045 HTBH | ABHA 054 HTBH |               |               |               |               |
| Wall-Mounted        | Compact Wall-mounted EEV Internal<br>Built in gas sensor |                                          |  004 - 018 NEW                                                 | ASHA 004 HTBH | ASHA 005 HTBH | ASHA 007 HTBH | ASHA 009 HTBH |  | ASHA 012 HTBH | ASHA 014 HTBH |               | ASHA 018 HTBH |               |               |               |               |               |               |               |               |               |               |
|                     | Compact Wall-mounted EEV External<br>Built in gas sensor |                                          |  004 - 018 This model requires the EV Kit to be connected. NEW | ASHE 004 HTBH | ASHE 005 HTBH | ASHE 007 HTBH | ASHE 009 HTBH |  | ASHE 012 HTBH | ASHE 014 HTBH |               | ASHE 018 HTBH |               |               |               |               |               |               |               |               |               |               |
|                     | Large Wall-mounted<br>Built in gas sensor                |                                          |  018 - 034 NEW                                                 |               |               |               |               |  |               |               |               | ASHB 018 HTBH | ASHB 024 HTBH | ASHB 030 HTBH | ASHB 034 HTBH |               |               |               |               |               |               |               |
|                     | EEV Internal*1                                           |                                          |  004 - 014                                                     | ASHA 004 HCAH | ASHA 005 HCAH | ASHA 007 HCAH | ASHA 009 HCAH |  | ASHA 012 HCAH | ASHA 014 HCAH |               |               |               |               |               |               |               |               |               |               |               |               |
|                     | EEV External*1                                           |                                          |  004 - 014 This model requires the EV Kit to be connected.     | ASHE 004 HCAH | ASHE 005 HCAH | ASHE 007 HCAH | ASHE 009 HCAH |  | ASHE 012 HCAH | ASHE 014 HCAH |               |               |               |               |               |               |               |               |               |               |               |               |

\*1:AUXB\*\*\*HLAH and ASHA\*\*\*HCAH, ASHE\*\*\*HCAH, ARXP\*\*\*HLAH, AUXN\*\*\*HLAH are only connectable to J-VS and J-VL. \*2:Production by order

\*3:ARXC060/072/090/096HTBH cannot be connected to the J-VS and J-VL series.



Cassette  
Compact 4-way flow

\*This product does not include a gas sensor.



Model: AUXB004HLAH / AUXB005HLAH / AUXB007HLAH  
AUXB009HLAH / AUXB012HLAH / AUXB014HLAH  
AUXB018HLAH

AUXN009HLAH / AUXN012HLAH / AUXN014HLAH  
\* Production by order



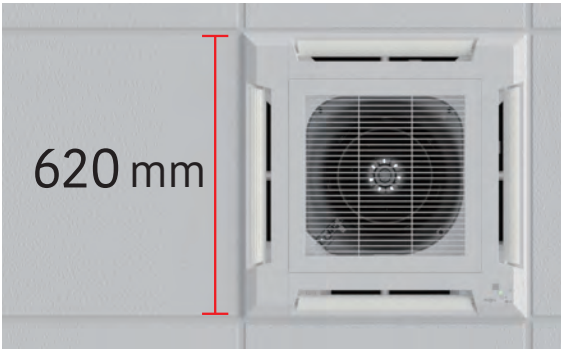
Specifications

| Model name                                   |                            | AUXB004HLAH                   | AUXB005HLAH     | AUXB007HLAH | AUXB009HLAH | AUXB012HLAH | AUXB014HLAH | AUXB018HLAH | AUXN009HLAH | AUXN012HLAH | AUXN014HLAH |
|----------------------------------------------|----------------------------|-------------------------------|-----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Power source                                 |                            | Single phase, 220-240V~, 50Hz |                 |             |             |             |             |             |             |             |             |
| Capacity                                     | Cooling                    | kW                            |                 |             |             |             |             |             |             |             |             |
|                                              | Heating                    | 1.1                           | 1.7             | 2.2         | 2.8         | 3.6         | 4.5         | 5.6         | 2.8         | 3.6         | 4.5         |
| Input power                                  | Cooling                    | W                             |                 |             |             |             |             |             |             |             |             |
|                                              | Heating                    | 21                            | 21              | 23          | 24          | 27          | 33          | 50          | 41          | 71          | 81          |
| Airflow rate<br>(Cooling / Heating)*         | High                       | m³/h                          | 530             | 530         | 540         | 550         | 600         | 680         | 820         | 750         | 1,030       |
|                                              | Med-High                   |                               | 490 / 480       | 490 / 480   | 500         | 520         | 560         | 620         | 660         | 550         | 680         |
|                                              | Med                        |                               | 450 / 430       | 450 / 430   | 460         | 480         | 520         | 560         | 590         | 480         | 560         |
|                                              | Med-Low                    |                               | 420 / 380       | 420 / 380   | 420         | 440         | 480         | 500         | 520         | 440         | 500         |
|                                              | Low                        |                               | 390 / 340       | 390 / 340   | 390         | 400         | 430         | 440         | 460         | 400         | 440         |
|                                              | Quiet                      |                               | 350 / 300       | 350 / 300   | 350         | 350         | 390         | 390         | 400         | 350         | 390         |
| Sound pressure level<br>(Cooling / Heating)* | High                       | dB(A)                         | 34              | 34          | 34          | 35          | 37          | 39          | 45          | 42          | 50          |
|                                              | Med-High                   |                               | 32 / 31         | 32 / 31     | 32          | 33          | 34          | 37          | 39          | 35          | 39          |
|                                              | Med                        |                               | 30 / 29         | 30 / 29     | 30          | 31          | 33          | 34          | 36          | 31          | 33          |
|                                              | Med-Low                    |                               | 28 / 26         | 28 / 26     | 28          | 29          | 31          | 32          | 33          | 29          | 31          |
|                                              | Low                        |                               | 27 / 24         | 27 / 24     | 27          | 27          | 29          | 30          | 30          | 27          | 29          |
|                                              | Quiet                      |                               | 25 / 21         | 25 / 21     | 25          | 25          | 27          | 27          | 27          | 25          | 27          |
| Net Dimensions (H × W × D)                   |                            | mm                            | 245 × 570 × 570 |             |             |             |             |             |             |             |             |
| Weight                                       |                            | kg                            | 14.5            | 14.5        | 15          | 15          | 15.5        | 15.5        | 17          | 15          | 15.5        |
| Connection pipe diameter                     | Liquid (Flare)             | mm                            | 6.35            | 6.35        | 6.35        | 6.35        | 6.35        | 6.35        | 6.35        | 6.35        | 6.35        |
|                                              | Gas (Flare)                | mm                            | 9.52            | 9.52        | 9.52        | 9.52        | 12.70       | 12.70       | 12.70       | 9.52        | 12.70       |
| Drain Hose Diameter (I.D./O.D.)              |                            |                               | 25 / 32         | 25 / 32     | 25 / 32     | 25 / 32     | 25 / 32     | 25 / 32     | 25 / 32     | 25 / 32     | 25 / 32     |
| Cassette Grille                              | Model name                 |                               | UTG-UFGH-W      |             |             |             |             |             |             |             |             |
|                                              | Net Dimensions (H × W × D) | mm                            | 49 × 620 × 620  |             |             |             |             |             |             |             |             |
|                                              | Weight                     | kg                            | 2.3             |             |             |             |             |             |             |             |             |

Note: Specifications are subject to the following conditions:  
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.  
Heating: Indoor temperature of 20°CDB/15°CWB, and outdoor temperature of 7°CDB/6°CWB.  
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m. Voltage: 230 [V]  
\*The value is the same for cooling and heating if there is one value.

Compact and Stylish Panel

The compact and stylish panel fits nicely into a grid type ceiling. The linear design is a perfect fit into a grid of 620 mm × 620 mm in the ceiling.



Easy Maintenance

You can access the unit for maintenance just by removing a ceiling panel right next to the grille. As no inspection hole needs to be cut through the ceiling, no additional construction cost is incurred.



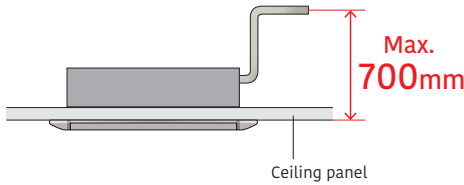
The air inlet grille can be installed to open in any direction for easy maintenance.



Optional parts

\*For more details, please refer to the chapter "Control System List" and "Optional Parts List."

|                                   |            |                             |                       |
|-----------------------------------|------------|-----------------------------|-----------------------|
| Flesh Air Intake Kit:             | UTZ-VXAA   | Gas Sensor Kit:             | UTY-SGZH / UTY-SGZH21 |
| Insulation kit for high humidity: | UTZ-KXGC   | Air Outlet Shutter Plate:   | UTR-YDZB              |
| Silver Ion Filter:                | UTD-HFAA   | External power supply unit: | UTZ-GXXD              |
| Remote Sensor Kit:                | UTY-XSZX21 | Shut off valve kit:         | UTP-GX027A /          |
| Cassette Grille:                  | UTG-UFGH-W |                             | UTP-GX060A /          |
| Expansion Kit:                    | UTZ-JXXA   |                             | UTP-GX090A            |



Flexible Installation

The unit fits nicely into the decor of a grid type ceiling and can be installed near a lighting or a ventilation opening.



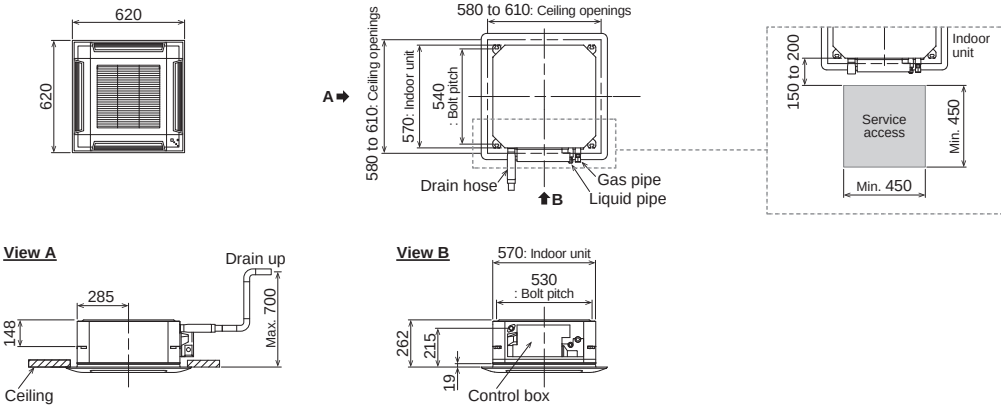
High Ceiling mode

The cassette can be installed up to a height of 3.0 m. (012/014/018).

| Model code | Maximum height from floor to ceiling (m) |                   |
|------------|------------------------------------------|-------------------|
|            | Standard mode                            | High ceiling mode |
| 004        | 2.7                                      | —                 |
| 005        | 2.7                                      | —                 |
| 007        | 2.7                                      | —                 |
| 009        | 2.7                                      | —                 |
| 012        | 2.7                                      | 3.0               |
| 014        | 2.7                                      | 3.0               |
| 018        | 2.7                                      | 3.0               |

Dimensions

(Unit: mm)





Cassette  
Compact 4-way flow  
Standard  
(Built-in gas sensor)



Model: AUXB004HLBH / AUXB005HLBH / AUXB007HLBH  
AUXB009HLBH / AUXB012HLBH / AUXB014HLBH  
AUXB018HLBH



Specifications

| Model name                                   |                            |       | AUXB004HLBH                   | AUXB005HLBH | AUXB007HLBH | AUXB009HLBH | AUXB012HLBH | AUXB014HLBH | AUXB018HLBH |
|----------------------------------------------|----------------------------|-------|-------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Power source                                 |                            |       | Single phase, 220-240V~, 50Hz |             |             |             |             |             |             |
| Capacity                                     | Cooling                    | kW    | 1.1                           | 1.7         | 2.2         | 2.8         | 3.6         | 4.5         | 5.6         |
|                                              | Heating                    |       | 1.3                           | 1.9         | 2.8         | 3.2         | 4.1         | 5.0         | 6.3         |
| Input power                                  |                            | W     | 21                            | 21          | 23          | 24          | 27          | 33          | 50          |
| Airflow rate<br>(Cooling / Heating)*         | High                       | m³/h  | 530                           | 530         | 540         | 550         | 600         | 680         | 820         |
|                                              | Med-High                   |       | 490 / 480                     | 490 / 480   | 500         | 520         | 560         | 620         | 660         |
|                                              | Med                        |       | 450 / 430                     | 450 / 430   | 460         | 480         | 520         | 560         | 590         |
|                                              | Med-Low                    |       | 420 / 380                     | 420 / 380   | 420         | 440         | 480         | 500         | 520         |
|                                              | Low                        |       | 390 / 340                     | 390 / 340   | 390         | 400         | 430         | 440         | 460         |
|                                              | Quiet                      |       | 350 / 300                     | 350 / 300   | 350         | 350         | 390         | 390         | 400         |
| Sound pressure level<br>(Cooling / Heating)* | High                       | dB(A) | 34                            | 34          | 34          | 35          | 37          | 39          | 45          |
|                                              | Med-High                   |       | 32 / 31                       | 32 / 31     | 32          | 33          | 34          | 37          | 39          |
|                                              | Med                        |       | 30 / 29                       | 30 / 29     | 30          | 31          | 33          | 34          | 36          |
|                                              | Med-Low                    |       | 28 / 26                       | 28 / 26     | 28          | 29          | 31          | 32          | 33          |
|                                              | Low                        |       | 27 / 24                       | 27 / 24     | 27          | 27          | 29          | 30          | 30          |
|                                              | Quiet                      |       | 25 / 21                       | 25 / 21     | 25          | 25          | 27          | 27          | 27          |
| Net Dimensions (H × W × D)                   |                            | mm    | 245 × 570 × 570               |             |             |             |             |             |             |
| Weight                                       |                            | kg    | 14.5                          | 14.5        | 15          | 15          | 15.5        | 15.5        | 17          |
| Connection pipe diameter                     | Liquid (Flare)             | mm    | 6.35                          | 6.35        | 6.35        | 6.35        | 6.35        | 6.35        | 6.35        |
|                                              | Gas (Flare)                |       | 9.52                          | 9.52        | 9.52        | 9.52        | 12.70       | 12.70       | 12.70       |
| Drain Hose Diameter (I.D./O.D.)              |                            |       | 25 / 32                       | 25 / 32     | 25 / 32     | 25 / 32     | 25 / 32     | 25 / 32     | 25 / 32     |
| Cassette Grille                              | Model name                 |       | UTG-UTGH-W                    |             |             |             |             |             |             |
|                                              | Net Dimensions (H × W × D) | mm    | 49 × 620 × 620                |             |             |             |             |             |             |
|                                              | Weight                     | kg    | 2.3                           |             |             |             |             |             |             |

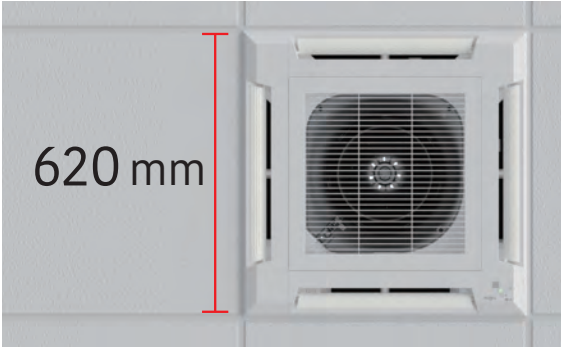
Note: Specifications are subject to the following conditions:  
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.  
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.  
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m. Voltage: 230 [V]  
\*The value is the same for cooling and heating if there is one value.

Compact and Stylish Panel

The compact and stylish panel fits nicely into a grid type ceiling. The linear design is a perfect fit into a grid of 620 mm × 620 mm in the ceiling.

Flexible Installation

The unit fits nicely into the decor of a grid type ceiling and can be installed near a lighting or a ventilation opening.



Easy Maintenance

You can access the unit for maintenance just by removing a ceiling panel right next to the grille. As no inspection hole needs to be cut through the ceiling, no additional construction cost is incurred.

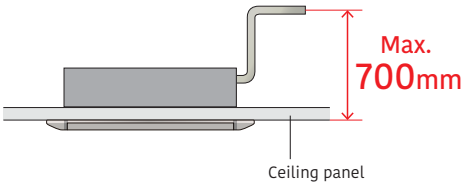


The air inlet grille can be installed to open in any direction for easy maintenance.



Optional parts \*For more details, please refer to the chapter "Control System List" and "Optional Parts List."

|                                   |            |                             |                      |
|-----------------------------------|------------|-----------------------------|----------------------|
| Flesh Air Intake Kit:             | UTZ-VXAA   | Gas Sensor Kit:             | UTY-SGZH / UTY-SGZH1 |
| Insulation kit for high humidity: | UTZ-KXGC   | Air Outlet Shutter Plate:   | UTR-YDZB             |
| Silver Ion Filter:                | UTD-HFAA   | External power supply unit: | UTZ-GXXD             |
| Remote Sensor Kit:                | UTY-XSZXZ1 | Shut off valve kit:         | UTP-GX027A /         |
| Cassette Grille:                  | UTG-UTGH-W |                             | UTP-GX060A /         |
| Expansion Kit:                    | UTZ-JXXA   |                             | UTP-GX090A           |



High Ceiling mode

The cassette can be installed up to a height of 3.0 m. (012/014/018).

| Model code | Maximum height from floor to ceiling (m) |                   |
|------------|------------------------------------------|-------------------|
|            | Standard mode                            | High ceiling mode |
| 004        | 2.7                                      | —                 |
| 005        | 2.7                                      | —                 |
| 007        | 2.7                                      | —                 |
| 009        | 2.7                                      | —                 |
| 012        | 2.7                                      | 3.0               |
| 014        | 2.7                                      | 3.0               |
| 018        | 2.7                                      | 3.0               |

Safety measures in Case of Refrigerant Leak

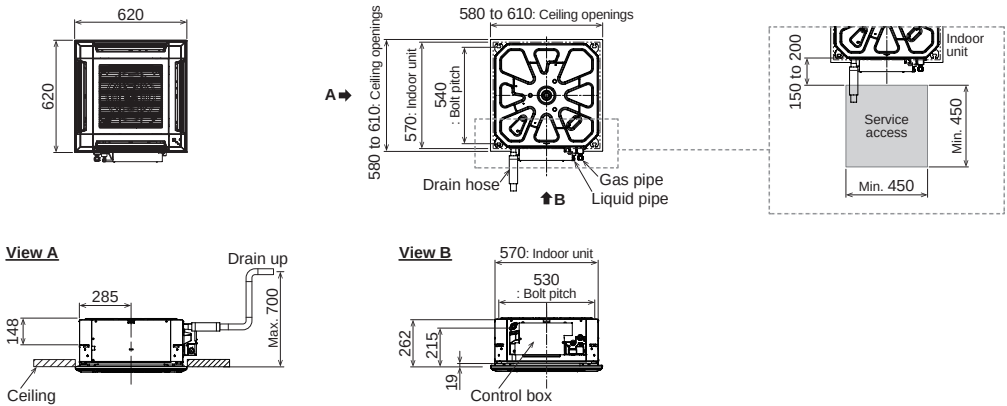
Indoor units compatible with R32 refrigerant are equipped with a refrigerant leak detector. Countermeasures for issues caused by refrigerant inside the room are possible.\*



\*It is necessary to connect the required products according to the floor area of the space requirement and the amount of system refrigerant. For details, please refer to the Design and Technical Manual.

Dimensions

(Unit: mm)





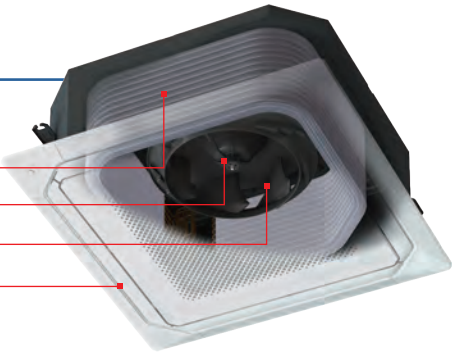
Cassette  
Circular Flow  
Slim  
(Built-in gas sensor)



Unique Circular Flow Design

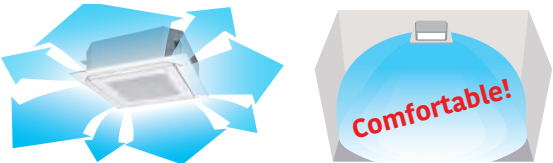
This Cassette type air conditioner is equipped with a high performance DC fan motor, a turbo fan, and a louver to propel powerful airflows in all directions.

- Ø7 mm high-density heat exchanger
- DC fan motor
- High-efficiency turbo fan
- Seamless airflow louver



Uniform Temperature Air Conditioning

Achieve a comfortable air conditioning spread to every corner of the room thanks to the circular flow and wide vertical airflow.



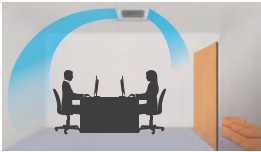
Individual Louver Control

Each louver can be set individually by the Touch panel wired remote controller so the user can enjoy the comfort of different directional airflows according to the room layout.

\* UTY-RNRGZ6 / UTY-DCGGZ4 / UTY-RVRG only



Comfortable air conditioning by preventing direct blowing of cold air and by providing swinging air flow simultaneously.



Provides efficient air conditioning based on the room layout

Safety measures in Case of Refrigerant Leak

Indoor units compatible with R32 refrigerant are equipped with a refrigerant leak detector. Countermeasures for issues caused by refrigerant inside the room are possible.\*



\*It is necessary to connect the required products according to the floor area of the space requirement and the amount of system refrigerant. For details, please refer to the Design and Technical Manual.

The Occupancy Sensor Contributes to Further Energy Savings

Energy saving operation starts automatically by detecting the motion of a person. Two modes of save operation mode and stop mode can be selected.

\* UTY-RNRGZ6 / UTY-DCGGZ4 / UTY-RVRG only

Model: AUXM009HLBH / AUXM012HLBH / AUXM014HLBH  
AUXM018HLBH / AUXM024HLBH / AUXM030HLBH

AUXN018HLBH  
\* Production by order



Specifications

| Model name                      |                        |       | AUXM009HLBH                   | AUXM012HLBH | AUXM014HLBH | AUXM018HLBH | AUXM024HLBH | AUXM030HLBH | AUXN018HLBH |
|---------------------------------|------------------------|-------|-------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Power source                    |                        |       | Single phase, 220-240V~, 50Hz |             |             |             |             |             |             |
| Capacity                        | Cooling                | kW    | 2.8                           | 3.6         | 4.5         | 5.6         | 7.1         | 9.0         | 5.6         |
|                                 | Heating                |       | 3.2                           | 4.0         | 5.0         | 6.3         | 8.0         | 10.0        | 6.3         |
| Input power                     |                        | W     | 18                            | 18          | 18          | 19          | 28          | 55          | 55          |
| Airflow rate                    | High                   | m³/h  | 930                           | 930         | 930         | 950         | 1,160       | 1,520       | 1,520       |
|                                 | Med-High               |       | 900                           | 900         | 900         | 930         | 1,080       | 1,190       | 1,190       |
|                                 | Med                    |       | 870                           | 870         | 870         | 900         | 950         | 1,100       | 1,100       |
|                                 | Med-Low                |       | 840                           | 840         | 840         | 870         | 930         | 950         | 950         |
|                                 | Low                    |       | 810                           | 810         | 810         | 840         | 900         | 930         | 930         |
|                                 | Quiet                  |       | 780                           | 780         | 780         | 810         | 810         | 810         | 810         |
| Sound pressure level            | High                   | dB(A) | 31                            | 31          | 31          | 32          | 35          | 42          | 42          |
|                                 | Med-High               |       | 30                            | 30          | 30          | 31          | 34          | 36          | 36          |
|                                 | Med                    |       | 30                            | 30          | 30          | 30          | 32          | 34          | 34          |
|                                 | Med-Low                |       | 29                            | 29          | 29          | 29          | 31          | 32          | 32          |
|                                 | Low                    |       | 29                            | 29          | 29          | 29          | 30          | 31          | 31          |
|                                 | Quiet                  |       | 28                            | 28          | 28          | 28          | 28          | 28          | 28          |
| Dimensions (H × W × D)          |                        | mm    | 246 × 840 × 840               |             |             |             |             |             |             |
| Weight                          |                        | kg    | 24.5                          | 24.5        | 24.5        | 25.0        | 25.0        | 25.0        | 25.0        |
| Connection pipe diameter        | Liquid (Flare)         | mm    | 6.35                          | 6.35        | 6.35        | 6.35        | 9.52        | 9.52        | 6.35        |
|                                 | Gas (Flare)            |       | 9.52                          | 12.7        | 12.7        | 12.7        | 15.88       | 15.88       | 12.7        |
| Drain Hose Diameter (I.D./O.D.) |                        |       | 25/32                         | 25/32       | 25/32       | 25/32       | 25/32       | 25/32       | 25/32       |
| Cassette Grille                 | Model name             |       | UTG-UKGC-W / UTG-UKGA-B       |             |             |             |             |             |             |
|                                 | Dimensions (H × W × D) |       | 53×950×950                    |             |             |             |             |             |             |
|                                 | Weight                 |       | 6.0                           |             |             |             |             |             |             |

Note: Specifications are subject to the following conditions:  
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.  
Heating: Indoor temperature of 20°CDB/15°CWB, and outdoor temperature of 7°CDB/6°CWB.  
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m. Voltage: 230 [V]

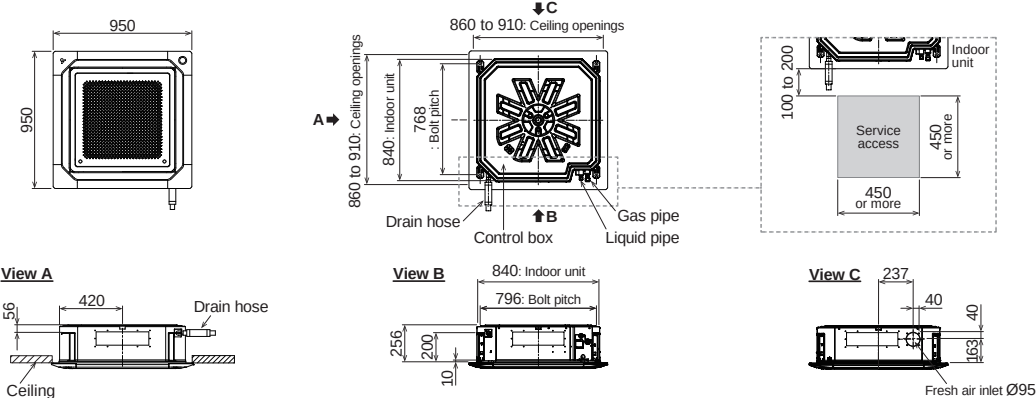
Optional parts

\*For more details, please refer to the chapter "Control System List" and "Optional Parts List."

|                                       |                                            |                                                          |
|---------------------------------------|--------------------------------------------|----------------------------------------------------------|
| Occupancy Sensor Kit: UTY-SHZXC       | Air Outlet Shutter Plate: UTR-YDZK         | Silver Ion Filter: UTD-HFRA                              |
| Wide Panel: UTG-AKXA-W                | Insulation Kit for high humidity: UTZ-KXRA | Remote Sensor Kit: UTY-XSZX21                            |
| Panel Spacer: UTG-BKXA-W              | Cassette Grille: UTG-UKGC-W, UTG-UKGA-B    | Shut off valve kit: UTP-GX027A / UTP-GX060A / UTP-GX090A |
| Fresh Air Intake Kit: UTZ-VXRA        | External power supply unit: UTZ-GXXD       |                                                          |
| Gas Sensor Kit: UTY-SGZH / UTY-SGZH21 | Expansion kit: UTZ-JXXA                    |                                                          |

Dimensions

(Unit: mm)





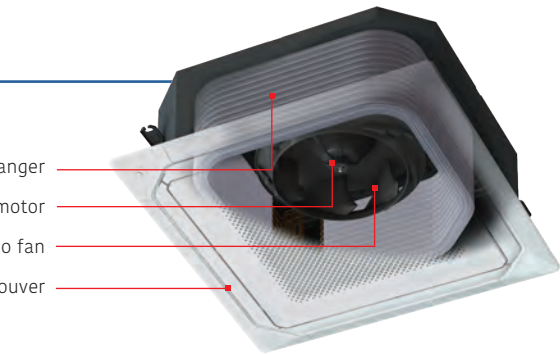
Cassette  
Circular Flow  
Large  
(Built-in gas sensor)



Unique Circular Flow Design

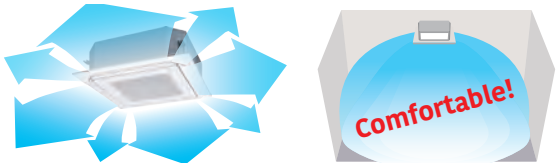
This Cassette type air conditioner is equipped with a high performance DC fan motor, a turbo fan, and a louver to propel powerful airflows in all directions.

- Ø7 mm high-density heat exchanger
- DC fan motor
- High-efficiency turbo fan
- Seamless airflow louver



Uniform Temperature Air Conditioning

Achieve a comfortable air conditioning spread to every corner of the room thanks to the circular flow and wide vertical airflow.



Individual Louver Control

Each louver can be set individually by the Touch panel wired remote controller so the user can enjoy the comfort of different directional airflows according to the room layout.

\* UTY-RNRGZ6 / UTY-DCGGZ4 / UTY-RVRG only



Comfortable air conditioning by preventing direct blowing of cold air and by providing swinging air flow simultaneously.

Provides efficient air conditioning based on the room layout

Safety measures in Case of Refrigerant Leak

Indoor units compatible with R32 refrigerant are equipped with a refrigerant leak detector. Countermeasures for issues caused by refrigerant inside the room are possible.\*



\*It is necessary to connect the required products according to the floor area of the space requirement and the amount of system refrigerant. For details, please refer to the Design and Technical Manual.

The Occupancy Sensor Contributes to Further Energy Savings

Energy saving operation starts automatically by detecting the motion of a person. Two modes of save operation mode and stop mode can be selected.

\* UTY-RNRGZ6 / UTY-DCGGZ4 / UTY-RVRG only

Model: AUXK018HLBH / AUXK024HLBH / AUXK030HLBH  
AUXK034HLBH / AUXK036HLBH / AUXK045HLBH  
AUXK054HLBH



Specifications

| Model name                      |                        |                         | AUXK018HLBH                   | AUXK024HLBH | AUXK030HLBH | AUXK034HLBH | AUXK036HLBH | AUXK045HLBH | AUXK054HLBH |
|---------------------------------|------------------------|-------------------------|-------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Power source                    |                        |                         | Single phase, 220-240V~, 50Hz |             |             |             |             |             |             |
| Capacity                        | Cooling                | kW                      | 5.6                           | 7.1         | 9.0         | 10.0        | 11.2        | 12.5        | 14.0        |
|                                 | Heating                |                         | 6.3                           | 8.0         | 10.0        | 11.2        | 12.5        | 14.0        | 16.0        |
| Input power                     |                        | W                       | 40                            | 40          | 52          | 52          | 66          | 94          | 125         |
| Airflow rate                    | High                   | m³/h                    | 1,420                         | 1,420       | 1,460       | 1,460       | 1,620       | 1,820       | 2,040       |
|                                 | Med-High               |                         | 1,360                         | 1,360       | 1,400       | 1,400       | 1,500       | 1,590       | 1,800       |
|                                 | Med                    |                         | 1,300                         | 1,300       | 1,340       | 1,340       | 1,400       | 1,500       | 1,590       |
|                                 | Med-Low                |                         | 1,270                         | 1,270       | 1,300       | 1,300       | 1,340       | 1,400       | 1,440       |
|                                 | Low                    |                         | 1,200                         | 1,200       | 1,280       | 1,280       | 1,280       | 1,300       | 1,300       |
|                                 | Quiet                  |                         | 1,150                         | 1,150       | 1,150       | 1,150       | 1,150       | 1,150       | 1,150       |
| Sound pressure level            | High                   | dB(A)                   | 38                            | 38          | 39          | 39          | 41          | 44          | 47          |
|                                 | Med-High               |                         | 37                            | 37          | 38          | 38          | 40          | 42          | 45          |
|                                 | Med                    |                         | 36                            | 36          | 37          | 37          | 38          | 40          | 42          |
|                                 | Med-Low                |                         | 35                            | 35          | 36          | 36          | 37          | 38          | 39          |
|                                 | Low                    |                         | 34                            | 34          | 36          | 36          | 36          | 36          | 36          |
|                                 | Quiet                  |                         | 33                            | 33          | 33          | 33          | 33          | 33          | 33          |
| Dimensions (H × W × D)          |                        | mm                      | 288×840×840                   |             |             |             |             |             |             |
| Weight                          |                        | kg                      | 27.0                          | 27.0        | 29.5        | 29.5        | 29.5        | 29.5        | 29.5        |
| Connection pipe diameter        | Liquid (Flare)         | mm                      | 6.35                          | 9.52        | 9.52        | 9.52        | 9.52        | 9.52        | 9.52        |
|                                 | Gas (Flare)            |                         | 12.7                          | 15.88       | 15.88       | 15.88       | 15.88       | 15.88       | 15.88       |
| Drain Hose Diameter (I.D./O.D.) |                        |                         | 25/32                         | 25/32       | 25/32       | 25/32       | 25/32       | 25/32       | 25/32       |
| Cassette Grille                 | Model name             | UTG-UKGC-W / UTG-UKGA-B |                               |             |             |             |             |             |             |
|                                 | Dimensions (H × W × D) | mm                      | 53×950×950                    |             |             |             |             |             |             |
|                                 | Weight                 | kg                      | 6.0                           |             |             |             |             |             |             |

Note: Specifications are subject to the following conditions:  
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.  
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.  
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m. Voltage: 230 [V]

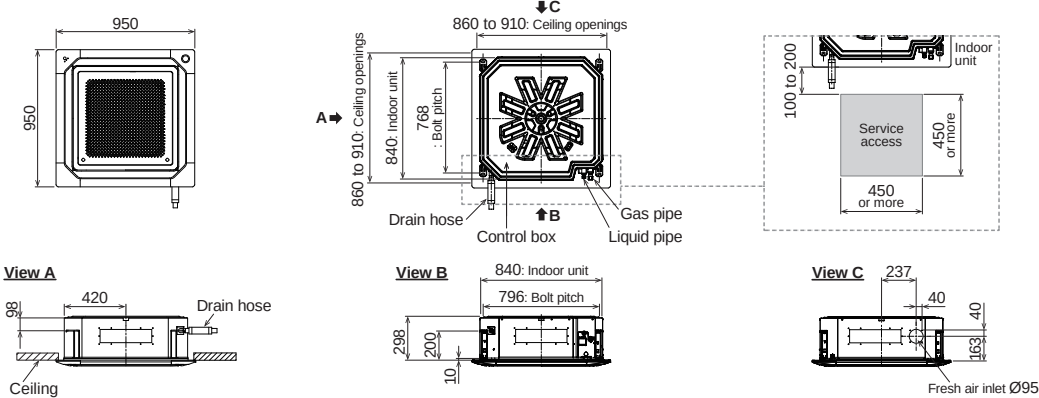
Optional parts

\*For more details, please refer to the chapter "Control System List" and "Optional Parts List."

|                                       |                                            |                                                          |
|---------------------------------------|--------------------------------------------|----------------------------------------------------------|
| Occupancy Sensor Kit: UTY-SHZXC       | Air Outlet Shutter Plate: UTR-YDZK         | Silver Ion Filter: UTD-HFRA                              |
| Wide Panel: UTG-AKXA-W                | Insulation Kit for high humidity: UTZ-KXRA | Remote Sensor Kit: UTY-XSZX21                            |
| Panel Spacer: UTG-BKXA-W              | Cassette Grille: UTG-UKGC-W, UTG-UKGA-B    | Shut off valve kit: UTP-GX027A / UTP-GX060A / UTP-GX090A |
| Fresh Air Intake Kit: UTZ-VXRA        | External power supply unit: UTZ-GXXD       |                                                          |
| Gas Sensor Kit: UTY-SGZH / UTY-SGZH21 | Expansion kit: UTZ-JXXA                    |                                                          |

Dimensions

(Unit: mm)





Cassette  
1-Way Flow  
(Built-in gas sensor)



Model: AUXV004HLBH / AUXV005HLBH / AUXV007HLBH  
AUXV009HLBH / AUXV012HLBH / AUXV014HLBH  
AUXV018HLBH / AUXV024HLBH



Specifications

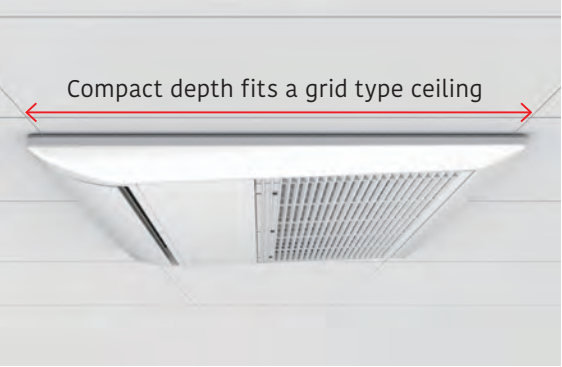
| Model name                      |                            |       | AUXV004HLBH                  | AUXV005HLBH | AUXV007HLBH | AUXV009HLBH | AUXV012HLBH       | AUXV014HLBH      | AUXV018HLBH | AUXV024HLBH |
|---------------------------------|----------------------------|-------|------------------------------|-------------|-------------|-------------|-------------------|------------------|-------------|-------------|
| Power source                    |                            |       | Single phase,220-240V~, 50Hz |             |             |             |                   |                  |             |             |
| Capacity                        | Cooling                    | kW    | 1.1                          | 1.7         | 2.2         | 2.8         | 3.6               | 4.5              | 5.6         | 7.1         |
|                                 | Heating                    |       | 1.3                          | 1.9         | 2.8         | 3.2         | 4.0               | 5.0              | 6.3         | 8.0         |
| Input power                     |                            | W     | 27                           | 27          | 40          | 40          | 55                | 37               | 65          | 142         |
| Airflow rate*                   | High                       | m³/h  | 460                          | 460         | 550         | 550         | 670               | 720              | 970         | 1,350       |
|                                 | Med-High                   |       | 440                          | 440         | 440         | 440         | 520               | 660              | 900         | 1,180       |
|                                 | Med                        |       | 420                          | 420         | 420         | 420         | 480               | 630              | 820         | 1,020       |
|                                 | Med-Low                    |       | 400                          | 400         | 400         | 400         | 450               | 600              | 740         | 860         |
|                                 | Low                        |       | 380                          | 380         | 380         | 380         | 410               | 580              | 660         | 700         |
|                                 | Quiet                      |       | 360                          | 360         | 360         | 360         | 360               | 550              | 580         | 610         |
| Sound pressure level*           | High                       | dB(A) | 38                           | 38          | 42          | 42          | 45                | 37               | 46          | 55          |
|                                 | Med-High                   |       | 37                           | 37          | 37          | 37          | 41                | 36               | 44          | 49          |
|                                 | Med                        |       | 36                           | 36          | 36          | 36          | 39                | 35               | 42          | 47          |
|                                 | Med-Low                    |       | 35                           | 35          | 35          | 35          | 38                | 34               | 39          | 42          |
|                                 | Low                        |       | 33                           | 33          | 33          | 33          | 36                | 33               | 36          | 39          |
|                                 | Quiet                      |       | 32                           | 32          | 32          | 32          | 32                | 32               | 34          | 36          |
| Net Dimensions (H × W × D)      |                            | mm    | 198 × 785 × 570              |             |             |             | 198 × 1,190 × 570 |                  |             |             |
| Weight                          |                            | kg    | 17.5                         | 17.5        | 18.5        | 18.5        | 18.5              | 26.0             | 26.0        | 26.5        |
| Connection pipe diameter        | Liquid (Flare)             | mm    | 6.35                         | 6.35        | 6.35        | 6.35        | 6.35              | 6.35             | 6.35        | 9.52        |
|                                 | Gas (Flare)                |       | 9.52                         | 9.52        | 9.52        | 9.52        | 12.7              | 12.7             | 12.7        | 15.88       |
| Drain Hose Diameter (I.D./O.D.) |                            |       | 25/32                        |             |             |             |                   |                  |             |             |
| Cassette Grille                 | Model name                 |       | UTG-UNGC-W                   |             |             |             |                   | UTG-UNGD-W       |             |             |
|                                 | Net Dimensions (H × W × D) | mm    | 43 × 950 × 620               |             |             |             |                   | 43 × 1,360 × 620 |             |             |
|                                 | Weight                     | kg    | 6.5                          |             |             |             |                   | 8.5              |             |             |

Note: Specifications are subject to the following conditions:  
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.  
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.  
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m. Voltage: 230 [V]

Compact Chassis Size

The compact size allows easy installation in a variety of commercial facilities and environments.

- The height of the chassis is less than 200 mm for all models.
- All 4 to 12 kBTu models are less than 1,000 mm wide.
- The depth of the chassis is 570 mm, which fits nicely into a grid type ceiling.



| Dimensions (Panel size) |           |   |   |   |    | (Unit: mm)    |    |    |
|-------------------------|-----------|---|---|---|----|---------------|----|----|
|                         | 4         | 5 | 7 | 9 | 12 | 14            | 18 | 24 |
| H                       | 198 (43)  |   |   |   |    | 198 (43)      |    |    |
| W                       | 785 (950) |   |   |   |    | 1,190 (1,360) |    |    |
| D                       | 570 (620) |   |   |   |    | 570 (620)     |    |    |

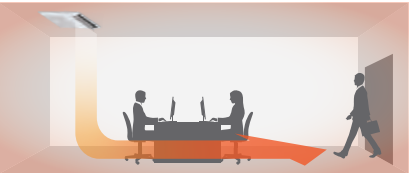
Wide Airflow Range

A large flap with a wide range of movements, equipped with louvers arranged triangularly, sends air into every corner of the room.

In cooling mode, the left/right airflow reaches every corner of the room without directly touching the human body to provide comfortable air conditioning.



In heating mode, warm air is directed downward toward the floor to warm the feet and lower body, while the head is kept relatively cool.



Note: This is a conceptual drawing. The performance of an air conditioner may vary depending on where it is installed, the size of the room, and its distance from the wall.

Safety measures in Case of Refrigerant Leak

Indoor units compatible with R32 refrigerant are equipped with a refrigerant leak detector. Countermeasures for issues caused by refrigerant inside the room are possible.\*



\*It is necessary to connect the required products according to the floor area of the space requirement and the amount of system refrigerant. For details, please refer to the Design and Technical Manual.

Quiet Mode

The low operating noise makes the model ideal for use in hotel rooms.



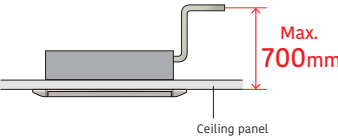
Optional parts

\*For more details, please refer to the chapter "Control System List" and "Optional Parts List."

- Cassette Grille: UTG-UNG-C-W (004-012), UTG-UNG-D-W (014-024)  
External power supply unit: UTZ-GXXD  
Remote sensor kit: UTY-XSZXZ1  
Shut off valve kit: UTP-GX027A, UTP-GX060A, UTP-GX090A  
Gas Sensor kit: UTY-SGZH, UTY-SGZHZ1  
Expansion kit: UTZ-JXXA

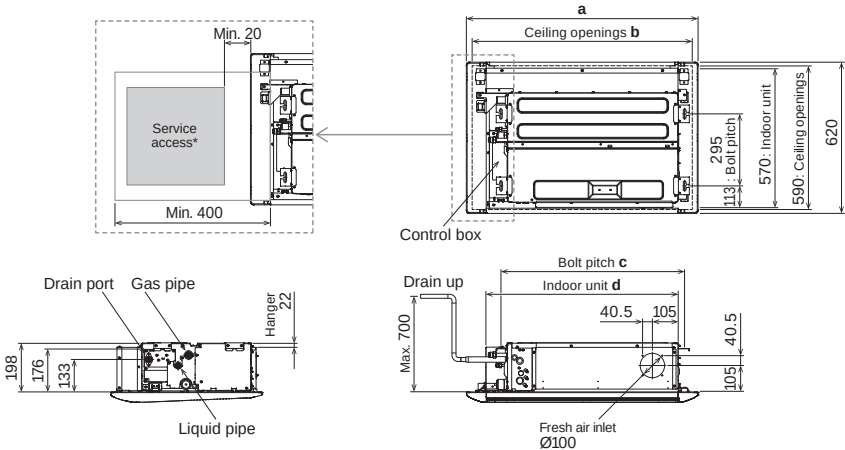
Flexible Installation

The L-shaped pipe kit allows for more flexible installation. Equipped with a built-in drain pump as standard, which enables a maximum pipe height difference of 700 m from the ceiling.



Dimensions

(Unit: mm)



|   | AUXV<br>004/005/007/009/012<br>HLBH | AUXV<br>014/018/024<br>HLBH |
|---|-------------------------------------|-----------------------------|
| a | 950                                 | 1,360                       |
| b | 920                                 | 1,330                       |
| c | 752                                 | 1,152                       |
| d | 785                                 | 1,190                       |

\*The design of the service access depends on the installation method. Refer to the installation manual for more information.

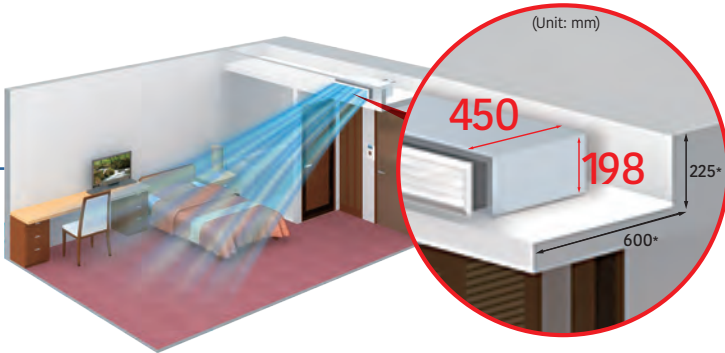


Duct  
Low static pressure  
Mini duct  
(Built-in gas sensor)



Space Saving Design

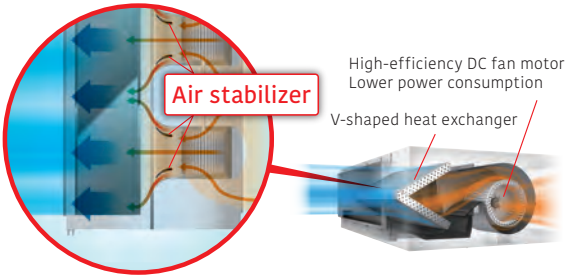
- Fits into a space 198 mm high and 450 mm deep



\*(Unit: mm)  
\*: Minimum clearance requirement

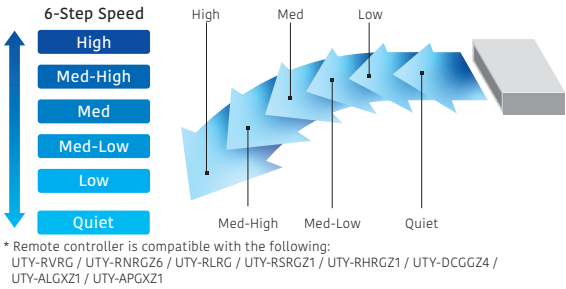
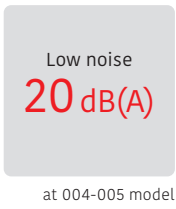
Optimum Airflow Path and  
Low Noise Operation

The stabilized airflow reduces the noise level significantly.



6-Speed Control\*

Multistep airflow adjustment allows installation in a quiet location.



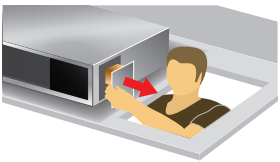
Safety measures in Case of  
Refrigerant Leak

Indoor units compatible with R32 refrigerant are equipped with a refrigerant leak detector. Countermeasures for issues caused by refrigerant inside the room are possible.\*

\*It is necessary to connect the required products according to the floor area of the space requirement and the amount of system refrigerant. For details, please refer to the Design and Technical Manual.

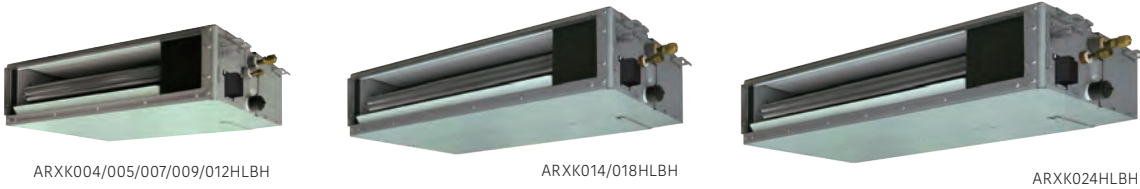
Easy to Design  
and Maintain  
for Drain

Indoor unit design for easy maintenance Parts can be replaced from the side of the unit where maintenance is easier.



A drain pump is built into the unit as standard: Parts can be accessed and replaced through the side of the unit for easy maintenance.

Model: ARXK004HLBH / ARXK005HLBH / ARXK007HLBH  
ARXK009HLBH / ARXK012HLBH / ARXK014HLBH  
ARXK018HLBH / ARXK024HLBH



Specifications

| Model name                      |                | ARXK004HLBH                   | ARXK005HLBH | ARXK007HLBH | ARXK009HLBH | ARXK012HLBH | ARXK014HLBH | ARXK018HLBH | ARXK024HLBH |
|---------------------------------|----------------|-------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Power source                    |                | Single phase, 220-240V~, 50Hz |             |             |             |             |             |             |             |
| Capacity                        | Cooling        | kW                            |             |             |             |             |             |             |             |
|                                 | Heating        | kW                            |             |             |             |             |             |             |             |
| Input power                     |                | W                             |             |             |             |             |             |             |             |
| Airflow rate                    | High           | m³/h                          |             |             |             |             |             |             |             |
|                                 | Med-High       | m³/h                          |             |             |             |             |             |             |             |
|                                 | Med            | m³/h                          |             |             |             |             |             |             |             |
|                                 | Med-Low        | m³/h                          |             |             |             |             |             |             |             |
|                                 | Low            | m³/h                          |             |             |             |             |             |             |             |
|                                 | Quiet          | m³/h                          |             |             |             |             |             |             |             |
| Static pressure range           |                | Pa                            |             |             |             |             |             |             |             |
| Standard static pressure        |                | Pa                            |             |             |             |             |             |             |             |
| Sound pressure level            | High           | dB(A)                         |             |             |             |             |             |             |             |
|                                 | Med-High       | dB(A)                         |             |             |             |             |             |             |             |
|                                 | Med            | dB(A)                         |             |             |             |             |             |             |             |
|                                 | Med-Low        | dB(A)                         |             |             |             |             |             |             |             |
|                                 | Low            | dB(A)                         |             |             |             |             |             |             |             |
|                                 | Quiet          | dB(A)                         |             |             |             |             |             |             |             |
| Net Dimensions (H × W × D)      |                | mm                            |             |             |             |             |             |             |             |
| Weight                          |                | kg                            |             |             |             |             |             |             |             |
| Connection pipe diameter        | Liquid (Flare) | mm                            |             |             |             |             |             |             |             |
|                                 | Gas (Flare)    | mm                            |             |             |             |             |             |             |             |
| Drain Hose Diameter (I.D./O.D.) |                | mm                            |             |             |             |             |             |             |             |

Note: Specifications are subject to the following conditions:  
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.  
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.  
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m. Voltage: 230 [V]

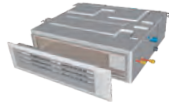
Optional parts

\*For more details, please refer to the chapter "Control System List" and "Optional Parts List."

|                             |                    |                         |                      |
|-----------------------------|--------------------|-------------------------|----------------------|
| Remote sensor unit:         | UTY-XSZXZ1         | Auto Louver Grille Kit: | UTD-GXTA-W (004-012) |
| Silver Ion Filter:          | UTD-HFTA (004-012) |                         | UTD-GXTB-W (014/018) |
|                             | UTD-HFTB (014/018) |                         | UTD-GXTC-W (024)     |
|                             | UTD-HFTC (024)     | Gas Sensor Kit:         | UTY-SGZH,            |
| External power supply unit: | UTZ-GXDX           |                         | UTY-SGZH21           |
| Shut off valve kit:         | UTP-GX027A /       | Expansion kit:          | UTZ-JXXA             |
|                             | UTP-GX060A /       |                         |                      |
|                             | UTP-GX090A         |                         |                      |

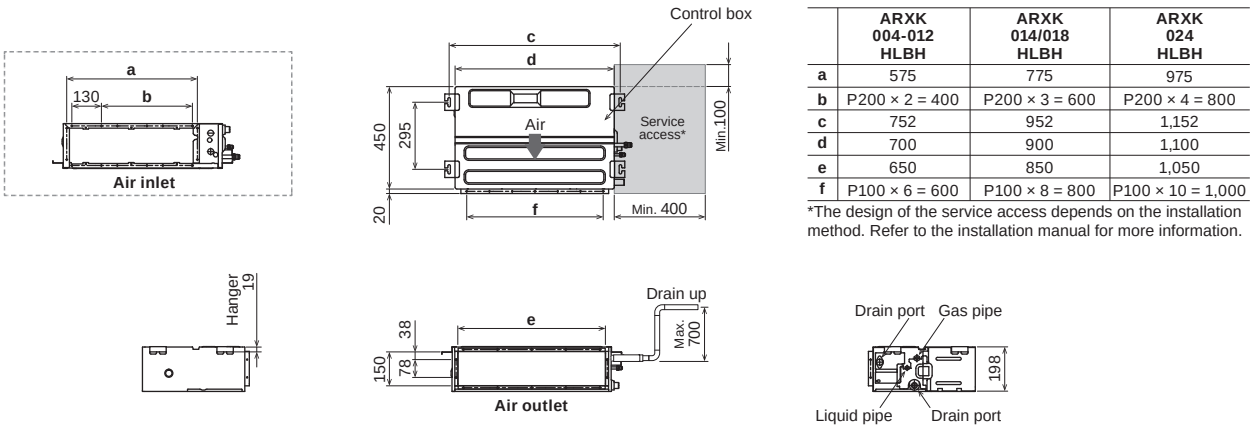
Auto Louver Grille Kit (Optional)

The slim design of the unit provides comfortable cooling and heating air conditioning over a wide area. The optional automatic louver grille, which fits nicely into any interior decor, provides comfortable air conditioning (Optional)



Dimensions

(Unit: mm)





Duct  
Low static pressure  
Slim duct  
(Built-in gas sensor)



Model: ARXD004HLBH / ARXD005HLBH / ARXD007HLBH / ARXD009HLBH  
ARXD012HLBH / ARXD014HLBH / ARXD018HLBH / ARXD024HLBH  
ARXP009HLAH / ARXP012HLAH / ARXP014HLAH  
\* Production by order. This product does not include a gas sensor.



ARXD004/005/007/009/012/014HLBH  
ARXP009/012/014HLAH



ARXD018HLBH



ARXD024HLBH

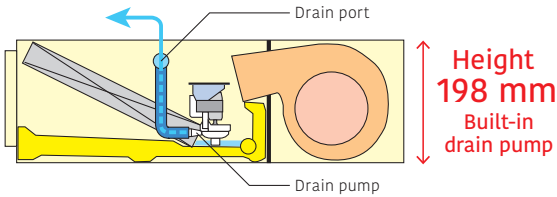
Specifications

| Model name                      |                          | ARXD<br>004HLBH               | ARXD<br>005HLBH | ARXD<br>007HLBH | ARXD<br>009HLBH | ARXD<br>012HLBH | ARXD<br>014HLBH | ARXD<br>018HLBH | ARXD<br>024HLBH | ARXP<br>009HLAH | ARXP<br>012HLAH | ARXP<br>014HLAH |
|---------------------------------|--------------------------|-------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Power source                    |                          | Single phase, 220-240V~, 50Hz |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |
| Capacity                        | Cooling                  | kW                            |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |
|                                 | Heating                  | kW                            |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |
| Input power                     |                          | W                             |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |
| Airflow rate                    | High                     | m³/h                          | 530             | 530             | 550             | 600             | 580             | 790             | 930             | 1,250           | 770             | 940             |
|                                 | Med-High                 |                               | 480             | 480             | 520             | 550             | 550             | 720             | 880             | 1,180           | 630             | 810             |
|                                 | Med                      |                               | 440             | 440             | 480             | 500             | 520             | 640             | 780             | 1,060           | 530             | 660             |
|                                 | Med-Low                  |                               | 410             | 410             | 450             | 460             | 480             | 560             | 670             | 930             | 480             | 580             |
|                                 | Low                      |                               | 370             | 370             | 400             | 400             | 430             | 470             | 580             | 810             | 430             | 490             |
| Static pressure range           | Standard static pressure | Pa                            | 0 to 90         | 0 to 90         | 0 to 90         | 0 to 90         | 0 to 90         | 0 to 90         | 0 to 90         | 0 to 50         | 0 to 25         | 0 to 25         |
|                                 |                          |                               | 25              | 25              | 25              | 25              | 25              | 25              | 25              | 25              | 25              | 25              |
| Sound pressure level            | High                     | dB(A)                         | 26              | 26              | 28              | 29              | 30              | 34              | 34              | 35              | 36              | 40              |
|                                 | Med-High                 |                               | 26              | 26              | 26              | 27              | 28              | 32              | 31              | 32              | 32              | 38              |
|                                 | Med                      |                               | 25              | 25              | 25              | 25              | 27              | 30              | 29              | 30              | 28              | 33              |
|                                 | Med-Low                  |                               | 24              | 24              | 24              | 24              | 26              | 28              | 27              | 27              | 27              | 31              |
|                                 | Low                      |                               | 22              | 22              | 22              | 22              | 24              | 25              | 25              | 24              | 25              | 27              |
| Net Dimensions (H × W × D)      | Weight                   | mm                            | 198×700×620     |                 |                 |                 |                 |                 | 198×900×620     | 198×1,100×620   | 198×700×620     |                 |
|                                 |                          |                               | kg              |                 |                 |                 |                 |                 | 16.0            | 16.0            | 16.5            | 17.0            |
| Connection pipe diameter        | Liquid (Flare)           | mm                            | 6.35            | 6.35            | 6.35            | 6.35            | 6.35            | 6.35            | 6.35            | 6.35            | 6.35            | 6.35            |
|                                 | Gas (Flare)              |                               | 9.52            | 9.52            | 9.52            | 9.52            | 12.7            | 12.7            | 12.7            | 15.88           | 9.52            | 12.7            |
| Drain Hose Diameter (I.D./O.D.) |                          |                               | 25/32           | 25/32           | 25/32           | 25/32           | 25/32           | 25/32           | 25/32           | 25/32           | 25/32           | 25/32           |

Note: Specifications are subject to the following conditions:  
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.  
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.  
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m. Voltage: 230 [V]

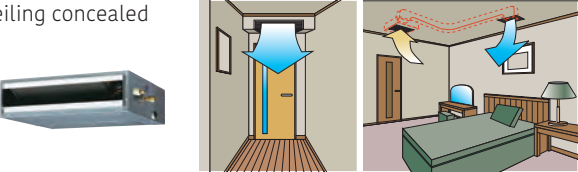
Slim Design

Slim design allows for installation in a tight ceiling space.

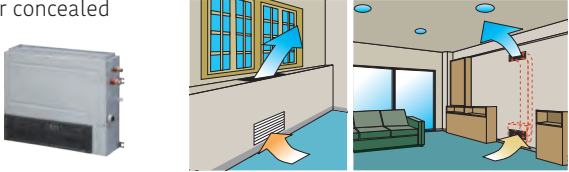


Flexible Installation

Ceiling concealed

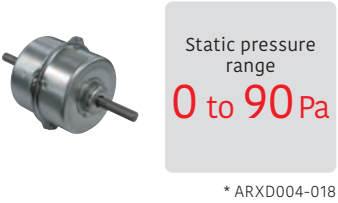


Floor concealed



Wide Range of Static Pressures

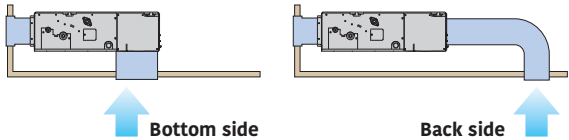
The use of a DC fan motor makes it possible to adjust the static pressure between 0 and 90 Pa. The static pressure range can be changed by a remote controller.



\* ARXD004-018

Air Intake

Air intake direction can be selected to match the installation site.



Safety measures in Case of Refrigerant Leak

Indoor units compatible with R32 refrigerant are equipped with a refrigerant leak detector. Countermeasures for issues caused by refrigerant inside the room are possible.\*

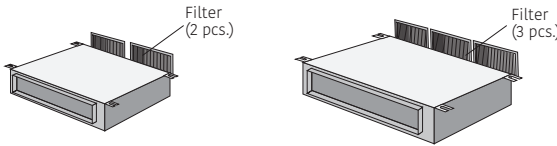
\*It is necessary to connect the required products according to the floor area of the space requirement and the amount of system refrigerant. For details, please refer to the Design and Technical Manual.



Filter (Accessory)

ARXD004-018  
ARXP009-014

ARXD024



Optional parts

\*For more details, please refer to the chapter "Control System List" and "Optional Parts List."

Remote sensor unit: UTY-XSZXZ1  
External power supply unit: UTZ-GXXD  
Shut off valve kit: UTP-GX027A / UTP-GX060A / UTP-GX090A  
Expansion Kit: UTZ-JXXA  
Gas Sensor Kit: UTY-SGZH / UTY-SGZH21

Auto Louver Grille Kit: UTD-GXTA-W (004-014)  
UTD-GXTB-W (018)  
UTD-GXTC-W (024)  
Silver Ion Filter: UTD-HFTA (004-014)  
UTD-HFTB (018)  
UTD-HFTC (024)

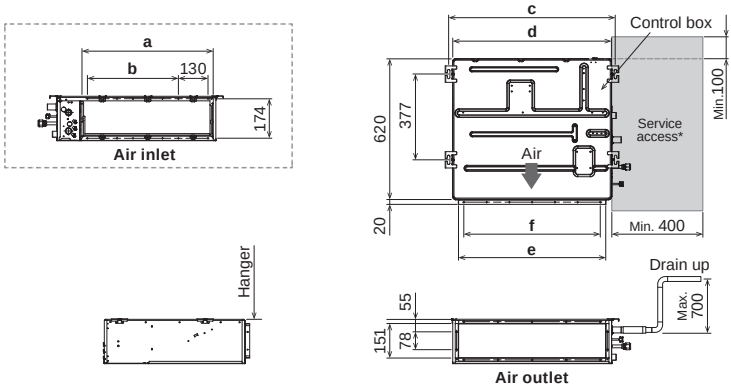
Auto Louver Grille Kit (Optional)

The optional clean-looking flat Auto louver blends into any interior and provides a comfortable airflow.



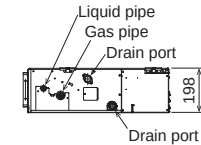
Dimensions

(Unit: mm)



|   | ARXD004-014HLBH<br>ARXP009-014HLAH | ARXD018HLBH | ARXD024HLBH   |
|---|------------------------------------|-------------|---------------|
| a | 574                                | 774         | 974           |
| b | P200×2=400                         | P200×3=600  | P200×4=800    |
| c | 734                                | 934         | 1,134         |
| d | 700                                | 900         | 1,100         |
| e | 650                                | 850         | 1,050         |
| f | P100×6=600                         | P100×8=800  | P100×10=1,000 |

\*The design of the service access depends on the installation method. Refer to the installation manual for more information.





Duct  
Medium static pressure  
(Built-in gas sensor)



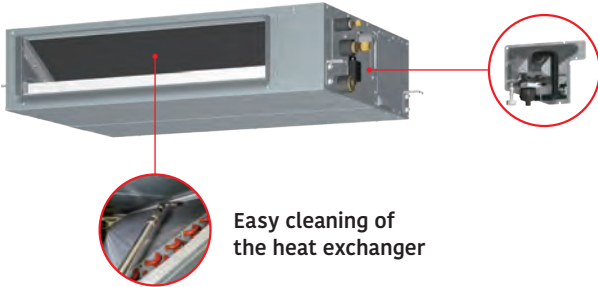
Slim & Compact Design

The product has reduced the height to 240 mm, making it more compact. The slim design fits nicely into narrow spaces under the ceiling.



Easy Maintenance

The indoor unit have large panels on both sides providing easy maintenance in narrow spaces.



**Easy inspection of drain hose**  
A drain hose is an accessory, making it easy to design ditch even in narrow spaces under the ceiling. The whole drain hose can be removed for easy replacement and cleaning.

Automatic Airflow Adjustment Function

This unique and innovative function detects required air flow in each application case and automatically adjust the volume.



Safety measures in Case of Refrigerant Leak

Indoor units compatible with R32 refrigerant are equipped with a refrigerant leak detector. Countermeasures for issues caused by refrigerant inside the room are possible.\*



\*It is necessary to connect the required products according to the floor area of the space requirement and the amount of system refrigerant. For details, please refer to the Design and Technical Manual.

Wide Range of Static Pressures

Static pressures can be changed in the range of 30 to 150 Pa.

Static pressure range  
**30 to 150 Pa**

\*ARXL only

**Model: ARXL007HTBH / ARXL009HTBH / ARXL012HTBH / ARXL014HTBH / ARXL018HTBH  
ARXL024HTBH / ARXL030HTBH / ARXL036HTBH / ARXL045HTBH  
ARXP018HTBH / ARXP030HTBH**  
\* Production by order



ARXL007/009/012/014/018HTBH



ARXL024/030HTBH



ARXL036/045HTBH  
ARXP018/030HTBH

Specifications

| Model name                      |                | ARXL007HTBH                   | ARXL009HTBH | ARXL012HTBH | ARXL014HTBH | ARXL018HTBH | ARXL024HTBH | ARXL030HTBH | ARXL036HTBH | ARXL045HTBH | ARXP018HTBH | ARXP030HTBH |
|---------------------------------|----------------|-------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Power source                    |                | Single phase, 220-240V~, 50Hz |             |             |             |             |             |             |             |             |             |             |
| Capacity                        | Cooling        | kW                            |             |             |             |             |             |             |             |             |             |             |
|                                 | Heating        | kW                            |             |             |             |             |             |             |             |             |             |             |
| Input power                     |                | W                             |             |             |             |             |             |             |             |             |             |             |
| Airflow rate                    | High           | m³/h                          |             |             |             |             |             |             |             |             |             |             |
|                                 | Med-High       | m³/h                          |             |             |             |             |             |             |             |             |             |             |
|                                 | Med            | m³/h                          |             |             |             |             |             |             |             |             |             |             |
|                                 | Med-Low        | m³/h                          |             |             |             |             |             |             |             |             |             |             |
|                                 | Low            | m³/h                          |             |             |             |             |             |             |             |             |             |             |
| Static pressure range           |                | Pa                            |             |             |             |             |             |             |             |             |             |             |
| Standard static pressure        |                | Pa                            |             |             |             |             |             |             |             |             |             |             |
| Sound pressure level            | High           | dB(A)                         |             |             |             |             |             |             |             |             |             |             |
|                                 | Med-High       | dB(A)                         |             |             |             |             |             |             |             |             |             |             |
|                                 | Med            | dB(A)                         |             |             |             |             |             |             |             |             |             |             |
|                                 | Med-Low        | dB(A)                         |             |             |             |             |             |             |             |             |             |             |
|                                 | Low            | dB(A)                         |             |             |             |             |             |             |             |             |             |             |
| Net Dimensions (H × W × D)      |                | mm                            |             |             |             |             |             |             |             |             |             |             |
| Weight                          |                | kg                            |             |             |             |             |             |             |             |             |             |             |
| Connection pipe diameter        | Liquid (Flare) | mm                            |             |             |             |             |             |             |             |             |             |             |
|                                 | Gas (Flare)    | mm                            |             |             |             |             |             |             |             |             |             |             |
| Drain Hose Diameter (I.D./O.D.) |                | mm                            |             |             |             |             |             |             |             |             |             |             |

Note: Specifications are subject to the following conditions:  
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.  
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.  
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m. Voltage: 230 [V]

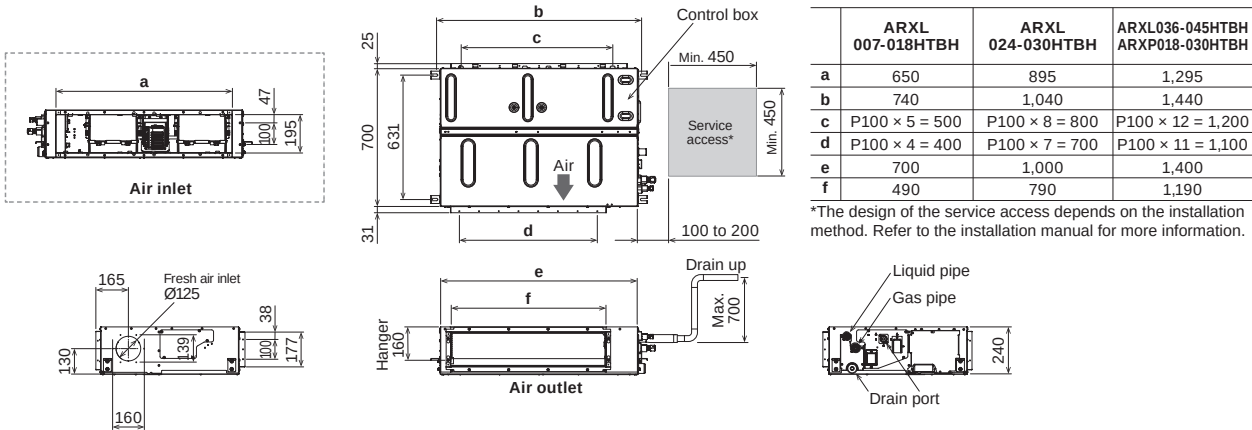
Optional parts

\*For more details, please refer to the chapter "Control System List" and "Optional Parts List."

|                             |            |                    |                                     |                   |                                                          |
|-----------------------------|------------|--------------------|-------------------------------------|-------------------|----------------------------------------------------------|
| Remote sensor unit:         | UTY-XSZXZ1 | Silver Ion Filter: | UTD-HFNC (ARXL007-018)              | Long Life Filter: | UTD-LFDC (ARXL007-018)                                   |
| External power supply unit: | UTZ-GXXD   |                    | UTD-HFNB (ARXL024/030),             |                   | UTD-LFDB (ARXL024/030),                                  |
| Gas Sensor Kit:             | UTY-SGZH   |                    | UTD-HFNA (ARXL036/045, ARXP018/030) |                   | UTD-LFDA (ARXL036/045, ARXP018/030)                      |
|                             | UTY-SGZH21 | Expansion kit:     | UTZ-JXXA                            |                   | Shut off valve kit: UTP-GX027A / UTP-GX060A / UTP-GX090A |

Dimensions

(Unit: mm)





# High Static Pressure Duct

(Built-in gas sensor)



Model: ARXC036HTBH / ARXC045HTBH / ARXC060HTBH



ARXC036HTBH



ARXC045/060HTBH

Specifications

| Model name                      |         |       | ARXC036HTBH                  | ARXC045HTBH   | ARXC060HTBH   |
|---------------------------------|---------|-------|------------------------------|---------------|---------------|
| Power source                    |         |       | Single phase, 220-240V, 50Hz |               |               |
| Capacity                        | Cooling | kW    | 11.2                         | 12.5          | 18.0          |
|                                 | Heating |       | 12.5                         | 14.0          | 20.0          |
| Input power                     |         | W     | 207                          | 297           | 494           |
| Airflow rate                    | High    | m³/h  | 1,990                        | 2,700         | 3,450         |
|                                 | Med     |       | 1,680                        | 2,300         | 3,010         |
|                                 | Low     |       | 1,330                        | 1,890         | 2,480         |
| Static pressure range           |         | Pa    | 0 to 200                     | 0 to 260      | 0 to 260      |
| Standard static pressure        |         |       | 100                          | 100           | 100           |
| Sound pressure level            | High    | dB(A) | 42                           | 43            | 47            |
|                                 | Med     |       | 36                           | 39            | 43            |
|                                 | Low     |       | 32                           | 35            | 38            |
| Net Dimensions (H × W × D)      |         | mm    | 400×1,050×500                | 425×1,250×490 | 425×1,250×490 |
| Weight                          |         | kg    | 40.0                         | 53.0          | 53.0          |
| Connection pipe diameter        | Liquid  | mm    | 9.52                         | 9.52          | 9.52          |
|                                 | Gas     |       | 15.88 (Flare)                | 15.88 (Flare) | 15.88 (Flare) |
| Drain Hose Diameter (I.D./O.D.) |         |       | 25/32                        |               |               |

Note: Specifications are based on the following conditions:  
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.  
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.  
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m. Voltage: 230 [V]

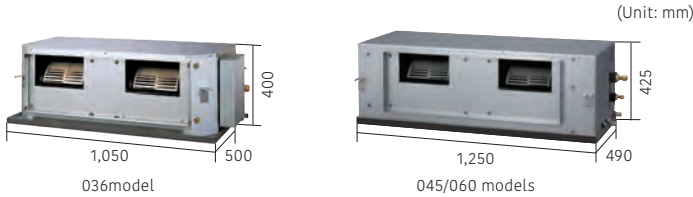
Static Pressure Mode Selection

The use of a DC fan motor makes it possible to adjust the static pressure between 0 to 200 Pa (036) / 260Pa (045/060)



Easy Installation (Compact & Lightweight)

The indoor unit is designed to be compact and light by reducing the basic chassis size and the overall material weight.



Automatic Airflow Adjustment Function

This unique and innovative function detects required air flow in each application case and automatically adjust the volume.



Safety measures in Case of Refrigerant Leak

Indoor units compatible with R32 refrigerant are equipped with a refrigerant leak detector. Countermeasures for issues caused by refrigerant inside the room are possible.\*



\*It is necessary to connect the required products according to the floor area of the space requirement and the amount of system refrigerant. For details, please refer to the Design and Technical Manual.

High-Efficiency DC Fan Motor Achieves Low Energy Consumption

Improved motor efficiency compared to the previous model.



036 model

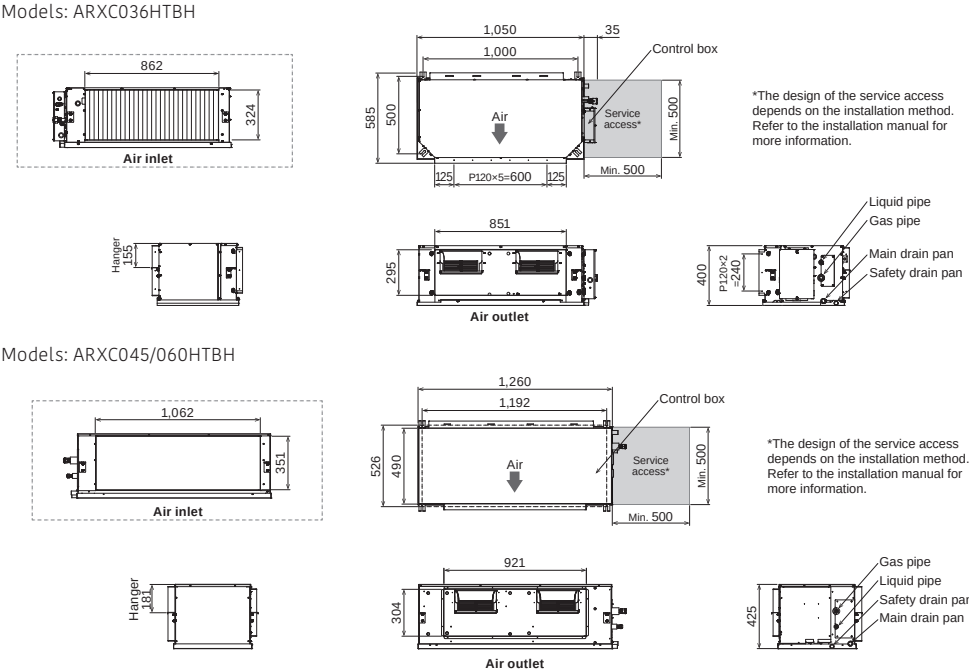
Optional parts

\*For more details, please refer to the chapter "Control System List" and "Optional Parts List."

|                     |                  |                             |                                    |                    |                        |
|---------------------|------------------|-----------------------------|------------------------------------|--------------------|------------------------|
| Long-life filter:   | UTD-LF60KA (036) | External power supply unit: | UTZ-GXXD                           | Silver Ion Filter: | UTD-HFKB (036/045/060) |
| Remote sensor unit: | UTY-XSXXZ1       | Shut off valve kit:         | UTP-GX027A, UTP-GX060A, UTP-GX090A | Gas Sensor kit:    | UTY-SGZH, UTY-SGZH21   |
| Expansion kit:      | UTZ-JXXA         |                             |                                    |                    |                        |

Dimensions

(Unit: mm)





# High Static Pressure Duct

(Built-in gas sensor)



Model: ARXC072HTBH / ARXC090HTBH / ARXC096HTBH



ARXC072/090HTBH



ARXC096HTBH

Specifications

| Model name                      |         |       | ARXC072HTBH                  | ARXC090HTBH   | ARXC096HTBH   |
|---------------------------------|---------|-------|------------------------------|---------------|---------------|
| Power source                    |         |       | Single phase,220-240V~, 50Hz |               |               |
| Capacity                        | Cooling | kW    | 22.4                         | 25.0          | 28.0          |
|                                 | Heating |       | 25.0                         | 28.0          | 31.5          |
| Input power                     |         | W     | 688                          | 1,017         | 924           |
| Airflow rate                    | High    | m³/h  | 3,960                        | 4,580         | 4,950         |
|                                 | Med     |       | 3,500                        | 4,000         | 4,350         |
|                                 | Low     |       | 3,000                        | 3,500         | 3,600         |
| Static pressure range           |         | Pa    | 0 to 300                     | 0 to 300      | 0 to 300      |
| Standard static pressure        |         |       | 150                          | 150           | 150           |
| Sound pressure level            | High    | dB(A) | 47                           | 50            | 49            |
|                                 | Med     |       | 44                           | 45            | 46            |
|                                 | Low     |       | 40                           | 44            | 42            |
| Net Dimensions (H × W × D)      |         | mm    | 450×1,587×700                | 450×1,587×700 | 550×1,587×700 |
| Weight                          |         | kg    | 84.0                         | 84.0          | 105.0         |
| Connection pipe diameter        | Liquid  | mm    | 9.52                         | 9.52          | 9.52          |
|                                 | Gas     |       | 19.05 (Flare)                | 19.05 (Flare) | 22.22 (Flare) |
| Drain Hose Diameter (I.D./O.D.) |         |       | 25/32                        |               |               |

Note: Specifications are based on the following conditions:  
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.  
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.  
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m. Voltage: 230 [V]

Static Pressure Mode Selection

The use of a DC fan motor makes it possible to adjust the static pressure between 0 to 300 Pa.



072/090models



096 model

Easy Installation (Compact & Lightweight)

The indoor unit is designed to be compact and light by reducing the basic chassis size and the overall material weight.



072/090models



072/090models

(Unit: mm)

Optional parts

\*For more details, please refer to the chapter "Control System List" and "Optional Parts List."

Remote sensor kit: UTY-XSZXZ1  
Expansion kit: UTZ-JXXA

Gas Sensor kit: UTY-SGZH, UTY-SGZH2  
External Power Supply Unit: UTZ-GXXD

Shut off valve kit: UTP-GX027A / UTP-GX060A / UTP-GX090A

Automatic Airflow Adjustment Function

This unique and innovative function detects required air flow in each application case and automatically adjust the volume.

Static pressure automatically adjust !



Safety measures in Case of Refrigerant Leak

Indoor units compatible with R32 refrigerant are equipped with a refrigerant leak detector. Countermeasures for issues caused by refrigerant inside the room are possible.\*



\*It is necessary to connect the required products according to the floor area of the space requirement and the amount of system refrigerant. For details, please refer to the Design and Technical Manual.

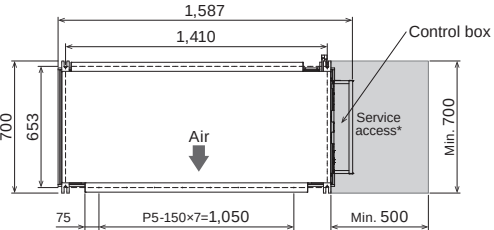
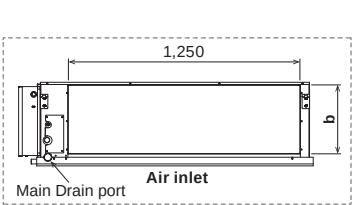
High-Efficiency DC Fan Motor Achieves Low Energy Consumption

Improved motor efficiency compared to the previous model.



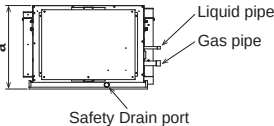
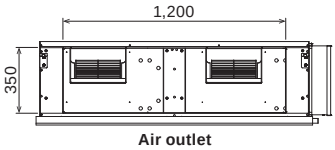
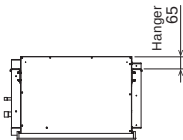
Dimensions

(Unit: mm)



|   | ARXC 072 / 090 HTBH | ARXC 096 HTBH |
|---|---------------------|---------------|
| a | 450                 | 550           |
| b | 370                 | 470           |

\*The design of the service access depends on the installation method. Refer to the installation manual for more information.





Floor  
EEV internal / EEV external  
(Built-in gas sensor)



Model: [EEV Internal]  
AGHA007HCBH / AGHA009HCBH  
AGHA012HCBH / AGHA014HCBH

[EEV External]  
AGHE007HCBH / AGHE009HCBH  
AGHE012HCBH / AGHE014HCBH



Specifications

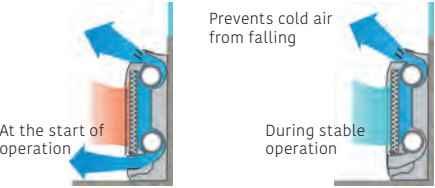
| Model name                      |                |       | AGHA007HCBH                  | AGHA009HCBH | AGHA012HCBH | AGHA014HCBH | AGHE007HCBH                  | AGHE009HCBH | AGHE012HCBH | AGHE014HCBH |
|---------------------------------|----------------|-------|------------------------------|-------------|-------------|-------------|------------------------------|-------------|-------------|-------------|
| Power source                    |                |       | Single phase, 220-240V, 50Hz |             |             |             | Single phase, 220-240V, 50Hz |             |             |             |
| Capacity                        | Cooling        | kW    | 2.2                          | 2.8         | 3.6         | 4.0         | 2.2                          | 2.8         | 3.6         | 4.0         |
|                                 | Heating        |       | 2.8                          | 3.2         | 4.0         | 4.5         | 2.8                          | 3.2         | 4.0         | 4.5         |
| Input power                     |                | W     | 16                           | 17          | 22          | 29          | 16                           | 17          | 22          | 29          |
| Airflow rate                    | High           | m³/h  | 470                          | 500         | 590         | 670         | 470                          | 500         | 590         | 670         |
|                                 | Med-High       |       | 420                          | 450         | 520         | 590         | 420                          | 450         | 520         | 590         |
|                                 | Med            |       | 390                          | 400         | 470         | 520         | 390                          | 400         | 470         | 520         |
|                                 | Med-Low        |       | 360                          | 360         | 420         | 450         | 360                          | 360         | 420         | 450         |
|                                 | Low            |       | 330                          | 330         | 390         | 390         | 330                          | 330         | 390         | 390         |
|                                 | Quiet          |       | 270                          | 270         | 340         | 340         | 270                          | 270         | 340         | 340         |
| Sound pressure level            | High           | dB(A) | 37                           | 38          | 42          | 46          | 37                           | 38          | 42          | 46          |
|                                 | Med-High       |       | 35                           | 36          | 39          | 42          | 35                           | 36          | 39          | 42          |
|                                 | Med            |       | 33                           | 34          | 37          | 39          | 33                           | 34          | 37          | 39          |
|                                 | Med-Low        |       | 31                           | 31          | 35          | 36          | 31                           | 31          | 35          | 36          |
|                                 | Low            |       | 29                           | 29          | 33          | 33          | 29                           | 29          | 33          | 33          |
|                                 | Quiet          |       | 22                           | 22          | 30          | 30          | 22                           | 22          | 30          | 30          |
| Net Dimensions (H × W × D)      |                | mm    | 600×740×200                  |             |             |             | 600×740×200                  |             |             |             |
| Weight                          |                | kg    | 15.0                         | 15.0        | 15.0        | 15.0        | 14.5                         | 14.5        | 14.5        | 14.5        |
| Connection pipe diameter        | Liquid (Flare) | mm    | 6.35                         | 6.35        | 6.35        | 6.35        | 6.35                         | 6.35        | 6.35        | 6.35        |
|                                 | Gas (Flare)    |       | 9.52                         | 9.52        | 12.7        | 12.7        | 9.52                         | 9.52        | 12.7        | 12.7        |
| Drain Hose Diameter (I.D./O.D.) |                |       | 13.8/15.8 to16.7             |             |             |             | 13.8/15.8 to16.7             |             |             |             |
| EV kit (optional)               |                |       | -                            |             |             |             | UTR-EV09XC                   |             | UTR-EV14XC  |             |

Note: Specifications are subject to the following conditions:  
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.  
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.  
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m. Voltage: 230 [V]

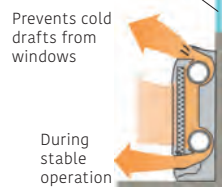
2-Fan and Wide Airflow

A 2-fan individual vertical airflow cools or warms the entire room comfortably.

Cooling

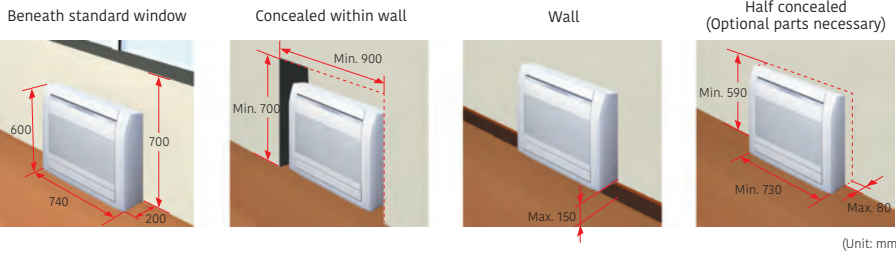


Heating



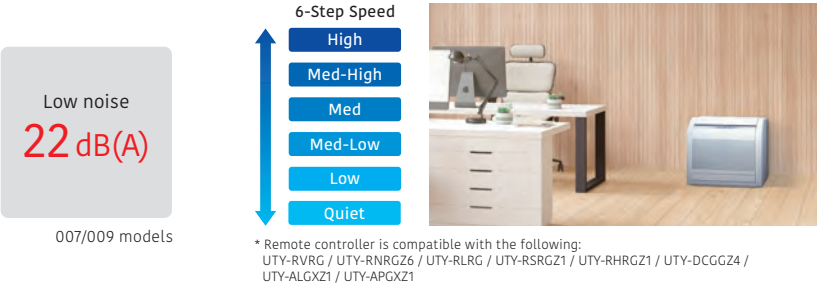
Flexible and Easy Installation

The compact and whole-surface suction design provides flexible installation options, including floor-standing, embedded, partially embedded, and wall-mounted installation to match the room layout.



Quiet Operation

6-fan speed control for quiet operation (via 2-wire controller)



Safety measures in Case of Refrigerant Leak

Indoor units compatible with R32 refrigerant are equipped with a refrigerant leak detector. Countermeasures for issues caused by refrigerant inside the room are possible.\*

\*It is necessary to connect the required products according to the floor area of the space requirement and the amount of system refrigerant. For details, please refer to the Design and Technical Manual.



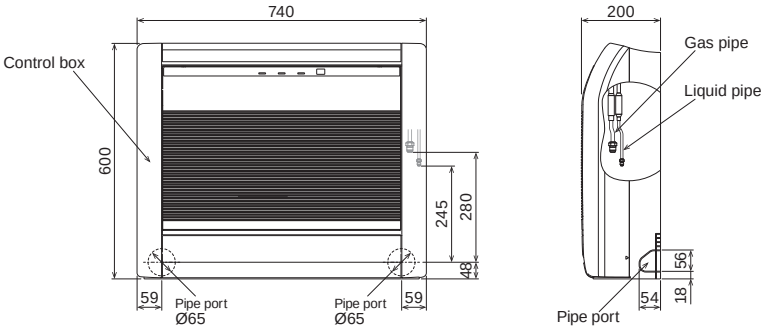
Optional parts

\*For more details, please refer to the chapter "Control System List" and "Optional Parts List."

|                             |                      |                             |                                       |                |                                                                           |
|-----------------------------|----------------------|-----------------------------|---------------------------------------|----------------|---------------------------------------------------------------------------|
| Partially concealing kit:   | UTR-STA              | External power supply unit: | UTZ-GXXD                              | Expansion kit: | UTZ-JXXA                                                                  |
| External power supply unit: | UTZ-GXXD             | Remote sensor unit:         | UTY-XSZXZ1                            | EV kit:        | UTR-EV09XC (007-009),<br>UTR-EV14XC (012-014)<br>(For EEV external model) |
| Silver Ion Filter:          | UTR-FA03-5           | Shut off valve kit:         | UTP-GX027A, UTP-GX060A,<br>UTP-GX090A |                |                                                                           |
| Gas Sensor kit:             | UTY-SGZH, UTY-SGZHZ1 |                             |                                       |                |                                                                           |

Dimensions

(Unit: mm)





Ceiling  
(Built-in gas sensor)



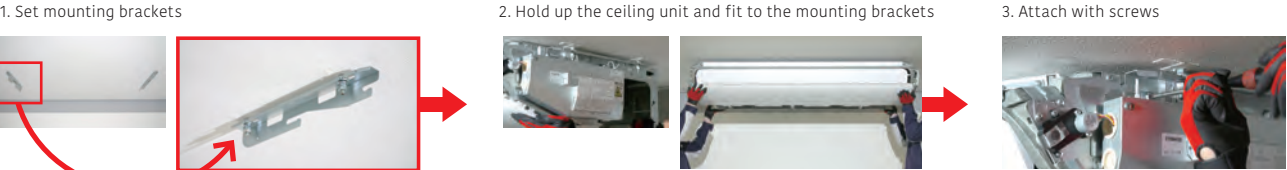
Light Elegant Design

The light-elegant, gently curved surface gives a sense of comfort and well-being.



Easy Installation

The indoor unit can be easily installed under the ceiling thanks to the uniquely designed mounting kit.



Easy Maintenance

The front panel can be opened without removing it for safe & speedy maintenance.



The drain pan can be removed for cleaning.

Components in the control box can be easily accessed from the wide side opening.

Safety measures in Case of Refrigerant Leak

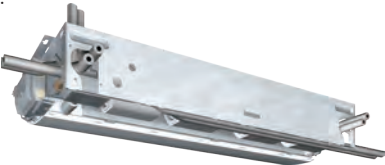
Indoor units compatible with R32 refrigerant are equipped with a refrigerant leak detector. Countermeasures for issues caused by refrigerant inside the room are possible.\*



\*It is necessary to connect the required products according to the floor area of the space requirement and the amount of system refrigerant. For details, please refer to the Design and Technical Manual.

Flexible Installation

The drain hose and pipe can be contained in the casing and connected in the right, left, angled, or downward direction.



Model: ABHA012HTBH / ABHA014HTBH / ABHA018HTBH  
ABHA024HTBH / ABHA030HTBH / ABHA036HTBH  
ABHA045HTBH / ABHA054HTBH



ABHA012/014/018HTBH



ABHA024/030HTBH



ABHA036/045/054HTBH

Specifications

| Model name                      |                |               | ABHA012HTBH                  | ABHA014HTBH | ABHA018HTBH   | ABHA024HTBH | ABHA030HTBH   | ABHA036HTBH | ABHA045HTBH | ABHA054HTBH |
|---------------------------------|----------------|---------------|------------------------------|-------------|---------------|-------------|---------------|-------------|-------------|-------------|
| Power source                    |                |               | Single phase, 220-240V, 50Hz |             |               |             |               |             |             |             |
| Capacity                        | Cooling        | kW            | 3.6                          | 4.5         | 5.6           | 7.1         | 9.0           | 11.2        | 12.5        | 14.0        |
|                                 | Heating        |               | 4.0                          | 5.0         | 6.3           | 8.0         | 10.0          | 12.5        | 14.0        | 16.0        |
| Input power                     |                | W             | 32                           | 32          | 61            | 65          | 117           | 142         | 174         | 210         |
| Airflow rate                    | High           | m³/h          | 780                          | 780         | 990           | 1,350       | 1,660         | 2,100       | 2,280       | 2,400       |
|                                 | Med-High       |               | 750                          | 750         | 920           | 1,220       | 1,470         | 1,910       | 2,040       | 2,120       |
|                                 | Med            |               | 730                          | 730         | 850           | 1,100       | 1,280         | 1,690       | 1,800       | 1,870       |
|                                 | Med-Low        |               | 700                          | 700         | 780           | 970         | 1,080         | 1,480       | 1,570       | 1,630       |
|                                 | Low            |               | 680                          | 680         | 710           | 860         | 890           | 1,300       | 1,310       | 1,420       |
| Sound pressure level            | Quiet          | dB(A)         | 650                          | 650         | 650           | 700         | 700           | 1,050       | 1,050       | 1,220       |
|                                 | High           |               | 36                           | 36          | 42            | 42          | 49            | 48          | 50          | 52          |
|                                 | Med-High       |               | 35                           | 35          | 40            | 40          | 46            | 45          | 47          | 49          |
|                                 | Med            |               | 35                           | 35          | 38            | 38          | 42            | 43          | 44          | 47          |
|                                 | Med-Low        |               | 34                           | 34          | 36            | 35          | 38            | 40          | 41          | 44          |
| Net Dimensions (H × W × D)      | mm             | 235×1,080×705 |                              |             | 235×1,390×705 |             | 235×1,700×705 |             |             |             |
|                                 |                | 25.0          |                              |             | 32.0          |             | 39.0          |             |             |             |
| Connection pipe diameter        | Liquid (Flare) | mm            | 6.35                         | 6.35        | 6.35          | 9.52        | 9.52          | 9.52        | 9.52        | 9.52        |
|                                 | Gas (Flare)    |               | 12.7                         | 12.7        | 12.7          | 15.88       | 15.88         | 15.88       | 15.88       | 15.88       |
| Drain Hose Diameter (I.D./O.D.) |                |               | 25/32                        |             |               |             |               |             |             |             |

Note: Specifications are subject to the following conditions:  
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.  
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.  
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m. Voltage: 230 [V]

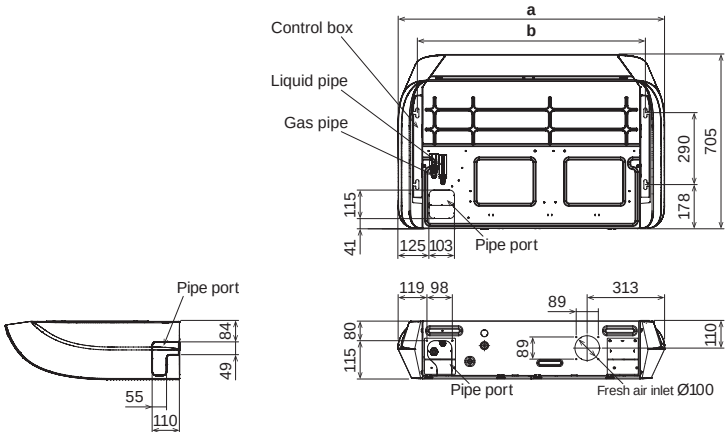
Optional parts

\*For more details, please refer to the chapter "Control System List" and "Optional Parts List."

|                                        |                                                        |                             |
|----------------------------------------|--------------------------------------------------------|-----------------------------|
| External power supply unit: UTZ-GXXD   | Shut off valve kit: UTP-GX027A, UTP-GX060A, UTP-GX090A | Expansion kit: UTZ-JXXA     |
| Remote sensor unit: UTY-XSZXZ1         | Gas Sensor kit: UTY-SGZH, UTY-SGZH21                   | Drain pump unit: UTR-DPB24T |
| L-type piping kit: UTP-FX24A/UTP-FX35A |                                                        |                             |

Dimensions

(Unit: mm)



|   | ABHA012/014/018HTBH | ABHA024/030HTBH | ABHA036/045/054HTBH |
|---|---------------------|-----------------|---------------------|
| a | 1,080               | 1,390           | 1,700               |
| b | 923                 | 1,233           | 1,543               |



Wall-Mounted  
EEV internal / EEV external  
(Built-in gas sensor)



Model: [EEV Internal]  
ASHA004HTBH / ASHA005HTBH / ASHA007HTBH  
ASHA009HTBH / ASHA012HTBH / ASHA014HTBH  
ASHA018HTBH

[EEV External]  
ASHE004HTBH / ASHE005HTBH / ASHE007HTBH  
ASHE009HTBH / ASHE012HTBH / ASHE014HTBH  
ASHE018HTBH



Specifications

| Model name                      |                |       | ASHA 004 HTBH                | ASHA 005 HTBH | ASHA 007 HTBH | ASHA 009 HTBH | ASHA 012 HTBH | ASHA 014 HTBH | ASHA 018 HTBH | ASHE 004 HTBH | ASHE 005 HTBH                | ASHE 007 HTBH | ASHE 009 HTBH | ASHE 012 HTBH | ASHE 014 HTBH | ASHE 018 HTBH |     |  |
|---------------------------------|----------------|-------|------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|------------------------------|---------------|---------------|---------------|---------------|---------------|-----|--|
| Power source                    |                |       | Single phase, 220-240V, 50Hz |               |               |               |               |               |               |               | Single phase, 220-240V, 50Hz |               |               |               |               |               |     |  |
| Capacity                        | Cooling        | kW    | 1.1                          | 1.7           | 2.2           | 2.8           | 3.6           | 4.0           | 5.6           | 1.1           | 1.7                          | 2.2           | 2.8           | 3.6           | 4.0           | 5.6           |     |  |
|                                 | Heating        |       | 1.3                          | 1.9           | 2.8           | 3.2           | 4.0           | 4.5           | 6.3           | 1.3           | 1.9                          | 2.8           | 3.2           | 4.0           | 4.5           | 6.3           |     |  |
| Input power                     |                | W     | 23                           | 23            | 23            | 21            | 31            | 41            | 68            | 23            | 23                           | 23            | 21            | 31            | 41            | 68            |     |  |
| Airflow rate                    | High           | m³/h  | 490                          | 490           | 490           | 490           | 640           | 740           | 930           | 490           | 490                          | 490           | 490           | 640           | 740           | 930           |     |  |
|                                 | Med-High       |       | 460                          | 460           | 460           | 460           | 590           | 680           | 840           | 460           | 460                          | 460           | 460           | 590           | 680           | 840           |     |  |
|                                 | Med            |       | 430                          | 430           | 430           | 430           | 530           | 590           | 730           | 430           | 430                          | 430           | 430           | 530           | 590           | 730           |     |  |
|                                 | Med-Low        |       | 400                          | 400           | 400           | 400           | 460           | 500           | 610           | 400           | 400                          | 400           | 400           | 460           | 500           | 610           |     |  |
|                                 | Low            |       | 370                          | 370           | 370           | 370           | 390           | 410           | 500           | 370           | 370                          | 370           | 370           | 390           | 410           | 500           |     |  |
|                                 | Quiet          |       | 330                          | 330           | 330           | 330           | 330           | 330           | 380           | 330           | 330                          | 330           | 330           | 330           | 330           | 330           | 380 |  |
| Sound pressure level            | High           | dB(A) | 33                           | 33            | 33            | 33            | 40            | 44            | 49            | 33            | 33                           | 33            | 33            | 40            | 44            | 49            |     |  |
|                                 | Med-High       |       | 32                           | 32            | 32            | 31            | 38            | 42            | 47            | 32            | 32                           | 32            | 31            | 38            | 42            | 47            |     |  |
|                                 | Med            |       | 31                           | 31            | 31            | 29            | 35            | 38            | 43            | 31            | 31                           | 31            | 29            | 35            | 38            | 43            |     |  |
|                                 | Med-Low        |       | 30                           | 30            | 30            | 28            | 31            | 34            | 39            | 30            | 30                           | 30            | 28            | 31            | 34            | 39            |     |  |
|                                 | Low            |       | 29                           | 29            | 29            | 27            | 28            | 28            | 33            | 29            | 29                           | 29            | 27            | 28            | 28            | 33            |     |  |
| Net Dimensions (H × W × D)      |                |       | mm                           | 270×834×239   |               |               |               |               |               |               |                              | 270×834×239   |               |               |               |               |     |  |
|                                 | Weight         |       | kg                           | 10.5          | 10.5          | 10.5          | 10.5          | 10.5          | 10.5          | 11.0          | 10.0                         | 10.0          | 10.0          | 10.0          | 10.0          | 11.0          |     |  |
| Connection pipe diameter        | Liquid (Flare) | mm    | 6.35                         | 6.35          | 6.35          | 6.35          | 6.35          | 6.35          | 6.35          | 6.35          | 6.35                         | 6.35          | 6.35          | 6.35          | 6.35          | 6.35          |     |  |
|                                 | Gas (Flare)    |       | 9.52                         | 9.52          | 9.52          | 9.52          | 12.7          | 12.7          | 12.7          | 9.52          | 9.52                         | 9.52          | 9.52          | 12.7          | 12.7          | 12.7          |     |  |
| Drain Hose Diameter (I.D./O.D.) |                |       | 13.8/15.8 to16.7             |               |               |               |               |               |               |               | 13.8/15.8 to16.7             |               |               |               |               |               |     |  |
| EV kit (optional)               |                |       | —                            |               |               |               |               |               |               |               | UTR-EV09XC                   |               |               |               | UTR-EV14XC    |               |     |  |

Note: Specifications are subject to the following conditions:  
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.  
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.  
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m. Voltage: 230 [V]

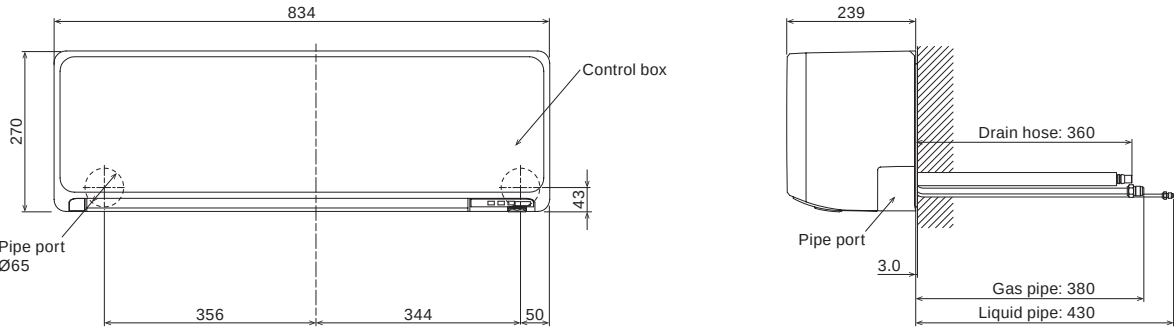
Optional parts

\*For more details, please refer to the chapter "Control System List" and "Optional Parts List."

|                                                    |                                             |                                |
|----------------------------------------------------|---------------------------------------------|--------------------------------|
| External power supply unit: UTR-GXXD               | Shut off valve kit: UTP-GX02TA, UTP-GX060A, | Expansion kit: UTR-JXXA        |
| EV kit: UTR-EV09XC (004-009), UTR-EV14XC (012-018) | UTP-GX090A                                  | Silver Ion Filter: UTR-FA16-5  |
| (For EEV external model)                           | Gas Sensor kit: UTY-SGZH, UTY-SGZH21        | Remote sensor unit: UTY-XSZXZ1 |

Dimensions

(Unit: mm)



More Comfortable Airflow

The unique power diffuser provides comfortable air conditioning.

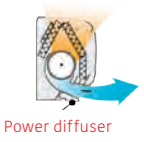
Heating

The vertical airflow provides powerful floor-level heating.



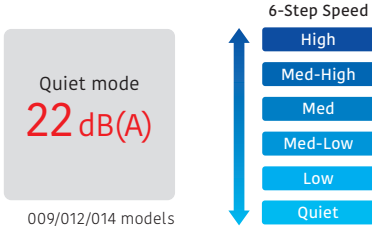
Cooling

The left/right airflow avoids blowing cool air directly at the occupants in a room.



Quiet Operation & 6-Step Fan Speed Control

The airflow pattern achieves significant noise reduction. Multistep airflow adjustment to suit the environment



009/012/014 models

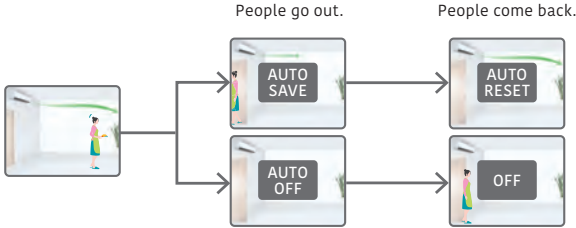


\* Remote controller is compatible with the following:  
UTY-RVRG / UTY-RNRGZ6 / UTY-RLRG / UTY-RSRGZ1 / UTY-RHRGZ1 / UTY-DCGGZ4 / UTY-ALGXZ1 / UTY-APGXZ1

The Occupancy Sensor Contributes to Further Energy Savings.

Energy saving operation starts automatically by detecting the motion of a person. Two modes of save operation mode and stop mode can be selected.

\* UTY-RNRGZ6 / UTY-DCGGZ4 / UTY-RVRG only



Safety measures in Case of Refrigerant Leak

Indoor units compatible with R32 refrigerant are equipped with a refrigerant leak detector. Countermeasures for issues caused by refrigerant inside the room are possible.\*



\*It is necessary to connect the required products according to the floor area of the space requirement and the amount of system refrigerant. For details, please refer to the Design and Technical Manual.

Slim & Stylish Square Design

The slim and stylish square design of this indoor unit is realized by using a highdensity, multipath heat exchanger and a high-efficiency wind blower.





Wall-Mounted  
(Built-in gas sensor)



Model: ASHB018HTBH / ASHB024HTBH  
ASHB030HTBH / ASHB034HTBH



Specifications

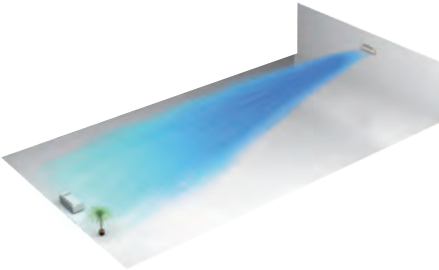
| Model name                      |                |       | ASHB018HTBH                  | ASHB024HTBH   | ASHB030HTBH   | ASHB034HTBH    |
|---------------------------------|----------------|-------|------------------------------|---------------|---------------|----------------|
| Power source                    |                |       | Single phase, 220-240V, 50Hz |               |               |                |
| Capacity                        | Cooling        | kW    | 5.6                          | 7.1           | 9.0           | 10.0           |
|                                 | Heating        |       | 6.3                          | 8.0           | 10.0          | 11.2           |
| Input power                     |                | W     | 27                           | 38            | 82            | 104            |
| Airflow rate                    | High           | m³/h  | 890                          | 1,050         | 1,440         | 1,620 / 1,520* |
|                                 | Med-High       |       | 850                          | 970           | 1,200         | 1,300          |
|                                 | Med            |       | 820                          | 910           | 1,050         | 1,120          |
|                                 | Med-Low        |       | 780                          | 840           | 940           | 980            |
|                                 | Low            |       | 740                          | 770           | 890           | 890            |
|                                 | Quiet          |       | 700                          | 700           | 700           | 700            |
| Sound pressure level            | High           | dB(A) | 39                           | 44            | 53            | 55 / 54*       |
|                                 | Med-High       |       | 38                           | 42            | 49            | 51             |
|                                 | Med            |       | 37                           | 40            | 45            | 47             |
|                                 | Med-Low        |       | 36                           | 38            | 42            | 43             |
|                                 | Low            |       | 34                           | 35            | 39            | 39             |
|                                 | Quiet          |       | 33                           | 33            | 33            | 33             |
| Net Dimensions (H × W × D)      |                | mm    | 340×1,150×280                | 340×1,150×280 | 340×1,150×280 | 340×1,150×280  |
| Weight                          |                | kg    | 18.0                         | 18.0          | 18.0          | 18.0           |
| Connection pipe diameter        | Liquid (Flare) | mm    | 6.35                         | 9.52          | 9.52          | 9.52           |
|                                 | Gas (Flare)    |       | 12.7                         | 15.88         | 15.88         | 15.88          |
| Drain Hose Diameter (I.D./O.D.) |                |       | 13.8/15.8 to16.7             |               |               |                |

Note: Specifications are subject to the following conditions:  
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.  
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.  
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m. Voltage: 230 [V].

\*Cooling / Heating

Powerful & Comfort Airflow

Powerful Airflow



6-Step Fan Speed Control  
for Quiet Operation

The airflow pattern achieves significant noise reduction. A 6-step sound level setting allows for multiple-step quiet operations.

Quiet mode  
33 dB(A)

All models

6-Step Speed

High

Med-High

Med

Med-Low

Low

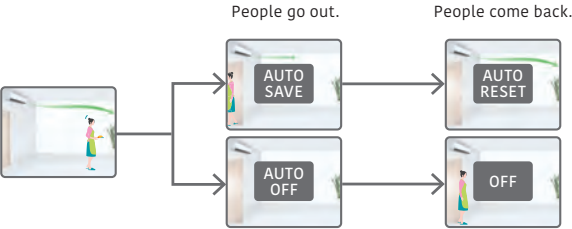
Quiet

\* Remote controller is compatible with the following:  
UTY-RVRG / UTY-RNRGZ6 / UTY-RLRG / UTY-RSRGZ1 / UTY-RHRGZ1 / UTY-DCGGZ6 / UTY-ALGXZ1 / UTY-APGXZ1

The Occupancy Sensor Contributes  
to Further Energy Savings.

Energy saving operation starts automatically by detecting the motion of a person. Two modes of save operation mode and stop mode can be selected.

\* UTY-RNRGZ6 / UTY-DCGGZ4 / UTY-RVRG only



Safety measures in Case of Refrigerant Leak

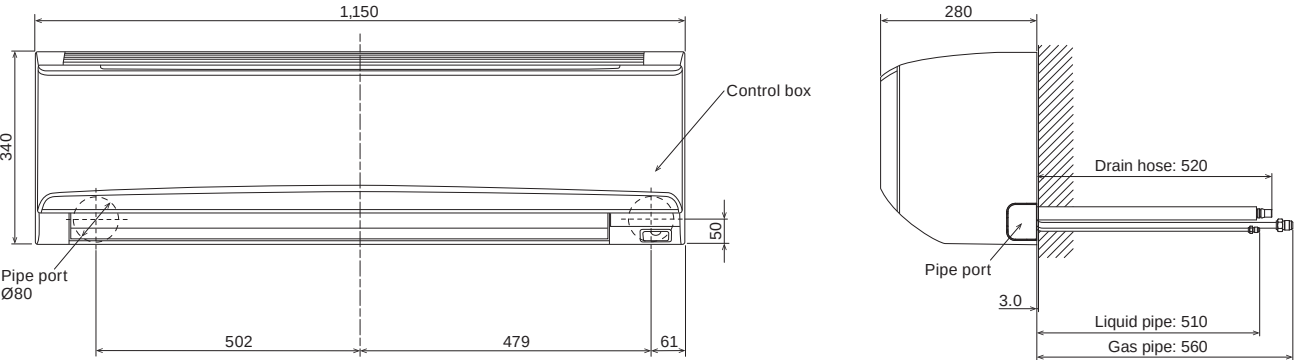
Indoor units compatible with R32 refrigerant are equipped with a refrigerant leak detector. Countermeasures for issues caused by refrigerant inside the room are possible.\*

\*It is necessary to connect the required products according to the floor area of the space requirement and the amount of system refrigerant. For details, please refer to the Design and Technical Manual.



Dimensions

(Unit: mm)





Wall-Mounted  
EEV internal / EEV external



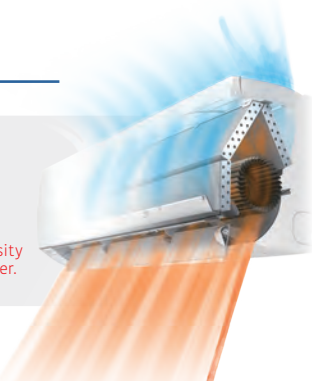
Highly-Efficiency, Compact Design

The high-density and large heat exchanger achieves a highly-efficiency and compact design. The compact body blends in well with conference rooms and offices, providing comfortable air conditioning.

High-density heat exchanger



**Slim tube design: 5 mm**  
Greater heat-exchanging capacity is achieved through the use of a high-density heat exchanger and a sub-heat exchanger.



More Comfortable Airflow

The unique power diffuser provides comfortable air conditioning.

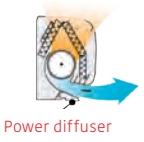
Heating

The vertical airflow provides powerful floor-level heating.



Cooling

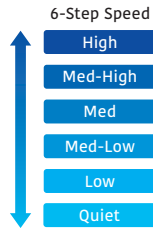
The left/right airflow avoids blowing cool air directly at the occupants in a room.



Quiet Operation &  
6-Step Fan Speed Control

The airflow pattern achieves significant noise reduction. Multistep airflow adjustment to suit the environment

Quiet mode  
**22 dB(A)**

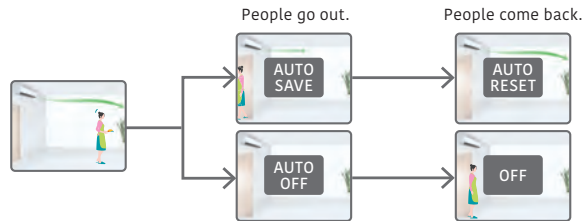


\* Remote controller is compatible with the following:  
UTY-RVRG / UTY-LNKG / UTY-RNRGZ6 / UTY-RLRG / UTY-RSRGZ1 / UTY-RHRGZ1 / UTY-DCGGZ4 / UTY-ALGXZ1 / UTY-APGXZ1

The Occupancy Sensor Contributes  
to Further Energy Savings.

Energy saving operation starts automatically by detecting the motion of a person. Two modes of save operation mode and stop mode can be selected.

\* If you want to use the Occupancy sensor control' function, you need an setting device that can set the Occupancy sensor control' function. For example: Wired RC (Touch panel).



**Model:** [EEV Internal]  
ASHA004HCAH / ASHA005HCAH / ASHA007HCAH  
ASHA009HCAH / ASHA012HCAH / ASHA014HCAH  
  
[EEV External]  
ASHE004HCAH / ASHE005HCAH / ASHE007HCAH  
ASHE009HCAH / ASHE012HCAH / ASHE014HCAH



Specifications

| Model name                      |                |       | ASHA004HCAH                   | ASHA005HCAH | ASHA007HCAH | ASHA009HCAH | ASHA012HCAH | ASHA014HCAH | ASHE004HCAH                   | ASHE005HCAH | ASHE007HCAH | ASHE009HCAH | ASHE012HCAH | ASHE014HCAH |    |
|---------------------------------|----------------|-------|-------------------------------|-------------|-------------|-------------|-------------|-------------|-------------------------------|-------------|-------------|-------------|-------------|-------------|----|
| Power source                    |                |       | Single phase, 220-240V~, 50Hz |             |             |             |             |             | Single phase, 220-240V~, 50Hz |             |             |             |             |             |    |
| Capacity                        | Cooling        | kW    | 1.1                           | 1.7         | 2.2         | 2.8         | 3.6         | 4.0         | 1.1                           | 1.7         | 2.2         | 2.8         | 3.6         | 4.0         |    |
|                                 | Heating        |       | 1.3                           | 1.9         | 2.8         | 3.2         | 4.0         | 4.5         | 1.3                           | 1.9         | 2.8         | 3.2         | 4.0         | 4.5         |    |
| Input power                     |                |       | W                             | 12          | 12          | 16          | 19          | 25          | 35                            | 12          | 12          | 16          | 19          | 25          | 35 |
| Airflow rate                    | High           | m³/h  | 450                           | 450         | 550         | 590         | 660         | 770         | 450                           | 450         | 550         | 590         | 660         | 770         |    |
|                                 | Med-High       |       | 430                           | 430         | 490         | 550         | 590         | 710         | 430                           | 430         | 490         | 550         | 590         | 710         |    |
|                                 | Med            |       | 400                           | 400         | 450         | 490         | 550         | 650         | 400                           | 400         | 450         | 490         | 550         | 650         |    |
|                                 | Med-Low        |       | 380                           | 380         | 390         | 420         | 510         | 590         | 380                           | 380         | 390         | 420         | 510         | 590         |    |
|                                 | Low            |       | 360                           | 360         | 360         | 360         | 450         | 530         | 360                           | 360         | 360         | 360         | 450         | 530         |    |
|                                 | Quiet          |       | 310                           | 310         | 320         | 320         | 320         | 320         | 310                           | 310         | 320         | 320         | 320         | 320         |    |
| Sound pressure level            | High           | dB(A) | 31                            | 31          | 34          | 37          | 40          | 44          | 31                            | 31          | 34          | 37          | 40          | 44          |    |
|                                 | Med-High       |       | 30                            | 30          | 32          | 34          | 37          | 42          | 30                            | 30          | 32          | 34          | 37          | 42          |    |
|                                 | Med            |       | 28                            | 28          | 30          | 32          | 34          | 40          | 28                            | 28          | 30          | 32          | 34          | 40          |    |
|                                 | Med-Low        |       | 27                            | 27          | 28          | 29          | 33          | 37          | 27                            | 27          | 28          | 29          | 33          | 37          |    |
|                                 | Low            |       | 26                            | 26          | 26          | 26          | 30          | 34          | 26                            | 26          | 26          | 26          | 30          | 34          |    |
|                                 | Quiet          |       | 22                            | 22          | 22          | 22          | 22          | 22          | 22                            | 22          | 22          | 22          | 22          | 22          |    |
| Net Dimensions (H × W × D)      |                | mm    | 268 × 840 × 203               |             |             |             |             |             | 268 × 840 × 203               |             |             |             |             |             |    |
| Weight                          |                | kg    | 8                             | 8           | 8.5         | 8.5         | 8.5         | 8.5         | 8                             | 8           | 8.5         | 8.5         | 8.5         | 8.5         |    |
| Connection pipe diameter        | Liquid (Flare) | mm    | 6.35                          | 6.35        | 6.35        | 6.35        | 6.35        | 6.35        | 6.35                          | 6.35        | 6.35        | 6.35        | 6.35        | 6.35        |    |
|                                 | Gas (Flare)    |       | 9.52                          | 9.52        | 9.52        | 9.52        | 12.70       | 12.70       | 9.52                          | 9.52        | 9.52        | 9.52        | 12.70       | 12.70       |    |
| Drain Hose Diameter (I.D./O.D.) |                |       | 13.8/15.8 to16.7              |             |             |             |             |             | 13.8/15.8 to16.7              |             |             |             |             |             |    |
| EV Kit (optional)               |                |       | —                             |             |             |             |             |             | UTR-EV09XC                    |             |             |             | UTR-EV14XC  |             |    |

Note: Specifications are subject to the following conditions:  
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.  
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.  
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m. Voltage: 230 [V]

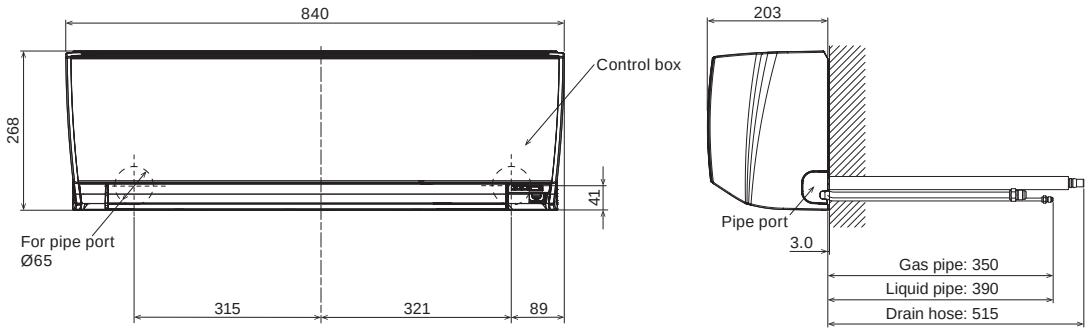
Optional parts

\*For more details, please refer to the chapter "Control System List" and "Optional Parts List."

|                                                    |                               |                                                          |
|----------------------------------------------------|-------------------------------|----------------------------------------------------------|
| External power supply unit: UTY-GXXD               | Expansion Kit: UTY-JXXA       | Gas Sensor Kit: UTY-SGZH / UTY-SGZH21                    |
| EV kit: UTR-EV09XC (004-009), UTR-EV14XC (012,014) | Remote Sensor Kit: UTY-XSZXZ1 | Shut off valve kit: UTP-GX027A / UTP-GX060A / UTP-GX090A |
|                                                    | Silver Ion Filter: UTR-FA16-5 |                                                          |

Dimensions

(Unit: mm)







# VRF R410A OUTDOOR UNITS

The R410A VRF outdoor units feature a lineup of 5 types and 80 models to meet all architectural design requirements.

We offer a wide range of outdoor units suitable for every application, from small-scale properties like apartments to large-scale commercial facilities and buildings.

V-092 VRF R410A Outdoor Units Lineup for J-IVS, J-IV, J-IVL, VR-IV, V-IV

V-094 VRF J-IVS

V-098 VRF J-IV

V-102 VRF J-IVL

V-108 VRF VR-IV

V-118 VRF V-IV





VRF R410A Outdoor Units Lineup  
for J-IVS J-IV J-IVL VR-IV V-IV

| Capacity (kW)              |                   | Refrigerant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 12.1 | 14.0 | 15.1-15.5 | 22.4 | 28.0 | 33.5 | 40.0 | 45.0 | 50.0-50.4 | 55.9-56.0 | 61.5-62.4 | 67.0-68.0 | 72.8-73.0 | 78.4-78.5 | 84.0-85.0 | 89.4-90.4 | 95.0-96.0 | 100.5-102.4 | 106.5-108.0 | 112.0-113.5 | 118.0-120.0 | 125.0-123.5 | 130.0 | 135.0 |    |
|----------------------------|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|-----------|------|------|------|------|------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------------|-------------|-------------|-------------|-------------|-------|-------|----|
| HP                         |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 4    | 5    | 6         | 8    | 10   | 12   | 14   | 16   | 18        | 20        | 22        |           | 24        | 26        | 28        | 30        | 32        | 34          | 36          | 38          | 40          | 42          | 44    | 46    | 48 |
| J-IVS series Heat Pump     |                   | <br><br>AJH040 LCLDH<br><br>AJH045 LCLDH<br><br>AJH054 LCLDH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |      |           |      |      |      |      |      |           |           |           |           |           |           |           |           |           |             |             |             |             |             |       |       |    |
| J-IV series Heat Pump      |                   | <br><br>AJH040 LBLDH, AJH040 LELDH<br><br>AJH045 LBLDH, AJH045 LELDH<br><br>AJH054 LBLDH, AJH054 LELDH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |      |           |      |      |      |      |      |           |           |           |           |           |           |           |           |           |             |             |             |             |             |       |       |    |
| J-IVL series Heat Pump     |                   | <br><br>AJH072 LELDH<br><br>AJH090 LELDH<br><br>AJH108 LELDH<br><br>AJH126 LELDH<br><br>AJH144 LELDH<br><br>AJH162 LELDH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |      |           |      |      |      |      |      |           |           |           |           |           |           |           |           |           |             |             |             |             |             |       |       |    |
| VR-IV series Heat Recovery | Space Saving      | <br><br>AJH072 GALDH<br><br>AJH090 GALDH<br><br>AJH108 GALDH<br><br>AJH126 GALDH<br><br>AJH144 GALDH<br><br>AJH162 GALDH<br><br>AJH180 GALDH<br><br>AJH198 GALDH<br><br>AJH216 GALDH<br><br>AJH234 GALDH<br><br>AJH252 GALDH<br><br>AJH270 GALDH<br><br>AJH288 GALDH<br><br>AJH306 GALDH<br><br>AJH324 GALDH<br><br>AJH342 GALDH<br><br>AJH360 GALDH<br><br>AJH378 GALDH<br><br>AJH396 GALDH<br><br>AJH414 GALDH<br><br>AJH432 GALDH |      |      |           |      |      |      |      |      |           |           |           |           |           |           |           |           |           |             |             |             |             |             |       |       |    |
|                            | Set Model         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |      |           |      |      |      |      |      |           |           |           |           |           |           |           |           |           |             |             |             |             |             |       |       |    |
|                            | Energy Efficiency | <br><br>AJH144 GALDHH<br><br>AJH198 GALDHH<br><br>AJH216 GALDHH<br><br>AJH234 GALDHH<br><br>AJH252 GALDHH<br><br>AJH270 GALDHH<br><br>AJH288 GALDHH<br><br>AJH306 GALDHH<br><br>AJH324 GALDHH<br><br>AJH342 GALDHH<br><br>AJH360 GALDHH<br><br>AJH378 GALDHH<br><br>AJH396 GALDHH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |      |           |      |      |      |      |      |           |           |           |           |           |           |           |           |           |             |             |             |             |             |       |       |    |
| V-IV series Heat Pump      | Space Saving      | <br><br>AJH072 LALDH<br><br>AJH090 LALDH<br><br>AJH108 LALDH<br><br>AJH126 LALDH<br><br>AJH144 LALDH<br><br>AJH162 LALDH<br><br>AJH180 LALDH<br><br>AJH198 LALDH<br><br>AJH216 LALDH<br><br>AJH234 LALDH<br><br>AJH252 LALDH<br><br>AJH270 LALDH<br><br>AJH288 LALDH<br><br>AJH306 LALDH<br><br>AJH324 LALDH<br><br>AJH342 LALDH<br><br>AJH360 LALDH<br><br>AJH378 LALDH<br><br>AJH396 LALDH<br><br>AJH414 LALDH<br><br>AJH432 LALDH |      |      |           |      |      |      |      |      |           |           |           |           |           |           |           |           |           |             |             |             |             |             |       |       |    |
|                            | Set Model         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |      |           |      |      |      |      |      |           |           |           |           |           |           |           |           |           |             |             |             |             |             |       |       |    |
|                            | Energy Efficiency | <br><br>AJH144 LALDHH<br><br>AJH180 LALDHH<br><br>AJH216 LALDHH<br><br>AJH234 LALDHH<br><br>AJH252 LALDHH<br><br>AJH270 LALDHH<br><br>AJH288 LALDHH<br><br>AJH306 LALDHH<br><br>AJH324 LALDHH<br><br>AJH342 LALDHH<br><br>AJH360 LALDHH<br><br>AJH378 LALDHH<br><br>AJH396 LALDHH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |      |           |      |      |      |      |      |           |           |           |           |           |           |           |           |           |             |             |             |             |             |       |       |    |





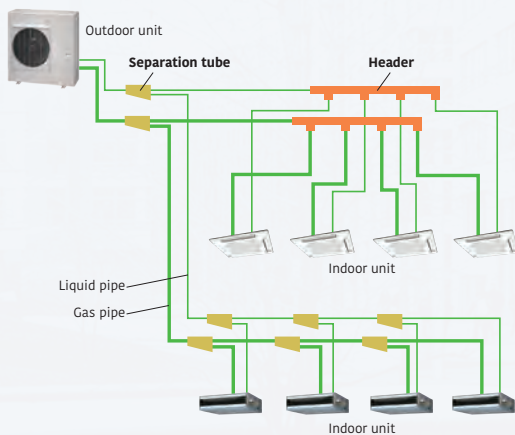
## Heat Pump

for Small-capacity type

# VRF J-IVS

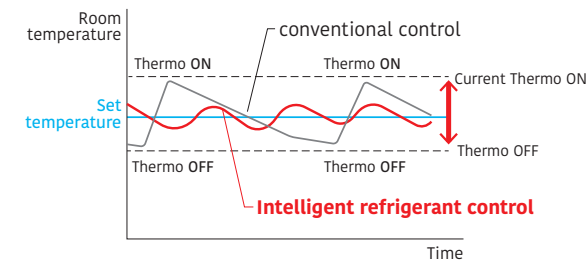
### System configuration example

- Suitable for air conditioning small and medium-size buildings. One refrigerant system is used for each outdoor unit.
- Multiple indoor units are connected with separation tubes and headers.

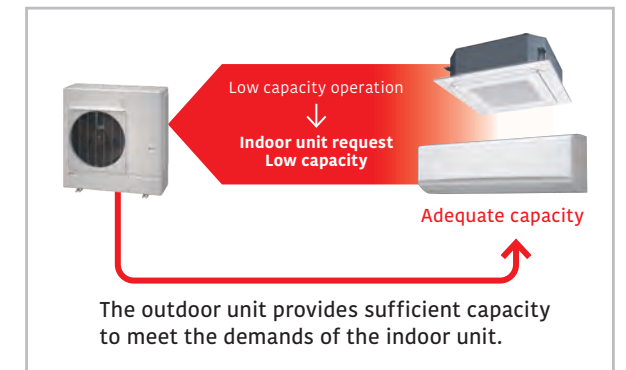


## Intelligent Refrigerant Control

The Intelligent refrigerant control operates with suitable control corresponding to the heat load of the room and offers a more comfortable environment. The Intelligent refrigerant control can also provide increased energy savings.



The thermostat is turned on and off less frequently than under conventional control to maintain the room temperature at the target temperature. Compared to conventional control, the compressor will run longer, thus saving energy.



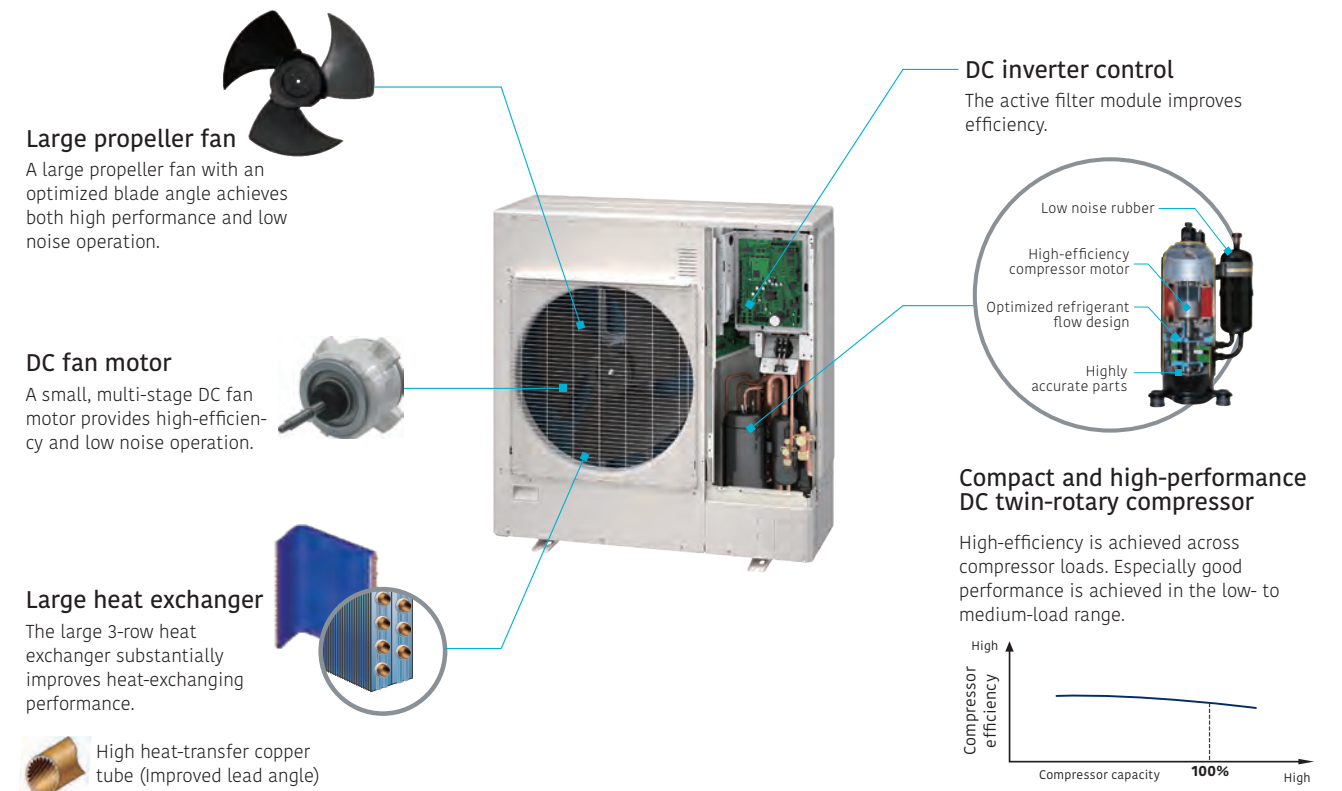
\* The improvements due to the control and the actual sine wave vary depending on the combination of the indoor unit and system operating conditions.

## External Static Pressure

External static pressure measures up to 25 Pa for 4/5/6 HP models.

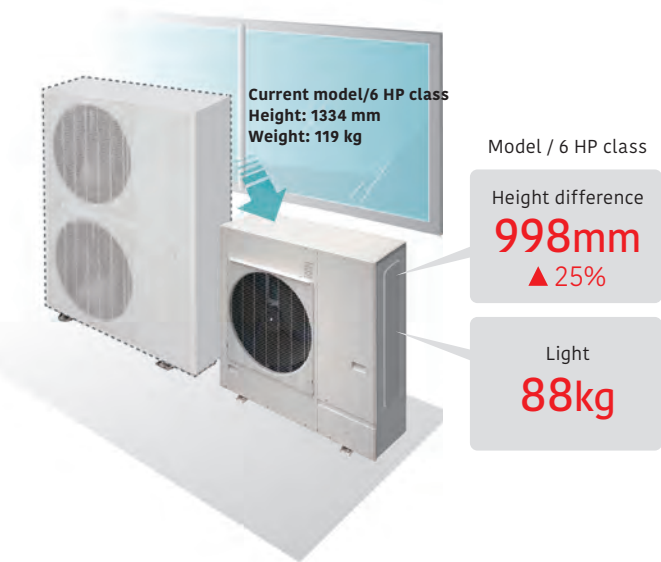


## Advanced High-Efficiency Technology





## Easy to Carry, Easy to Install



## Small, Lightweight Outdoor Unit

The outdoor units in this series are much more compact than conventional outdoor units of comparable capacity. They can be installed on a balcony, fitting below the height of the railing. With a height of less than 1 m, they can be installed in tight spaces such as under windows.

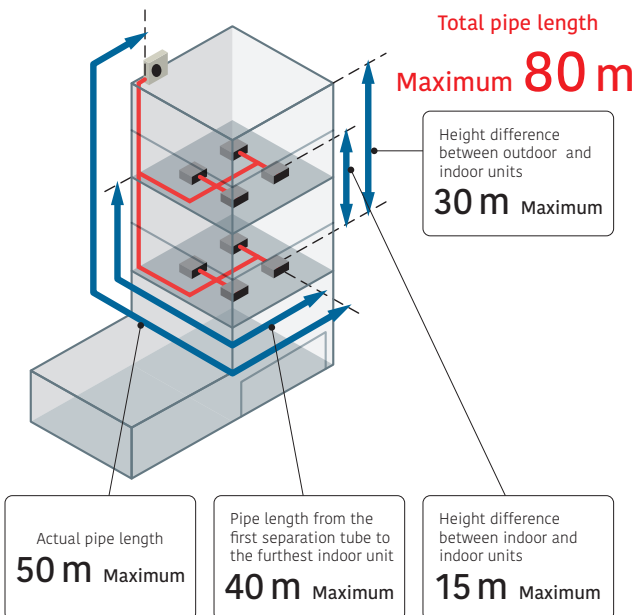


## Low Noise Design

Significantly low noise levels are achieved by the use of a DC twin-rotary compressor, inverter technology, and an advanced airflow pattern design.

## Long Pipe Length

Our advanced refrigerant control technology extends the maximum allowable length of refrigerant pipe to 80 m. This provides high flexibility in system design.



## Up to 13 Indoor Units\* can be Connected

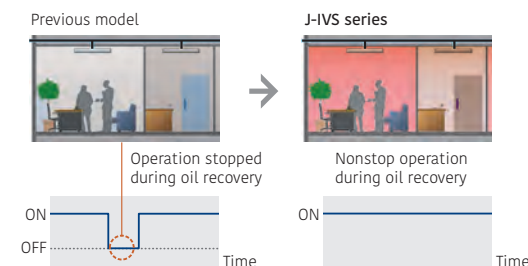
The combination of smaller but sufficiently powerful indoor units and a outdoor unit with an optimized heat exchanging structure makes it possible to connect up to 13 indoor units, which is the best in its class.

\*: 6 HP model

| Model                        | J-IVS |      |      |
|------------------------------|-------|------|------|
| Rating Capacity range (HP)   | 4     | 5    | 6    |
| Max. Connectable indoor unit | 1-11  | 1-12 | 1-13 |

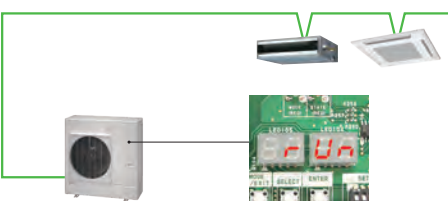
## Non-Stop Oil Recovery Operation

A comfortable room condition is maintained during oil recovery mode because the product continues to operate without stopping the cooling or heating operation.



## Easier Installation

**Connection check function:** Wiring connections and address settings can be checked thanks to the quick check run function.



- Displays the number of each connected indoor unit.
- Displays the duplicate address number assigned to an indoor unit.

## 4, 5, 6 HP: AJH040LCLDH / AJH045LCLDH / AJH054LCLDH



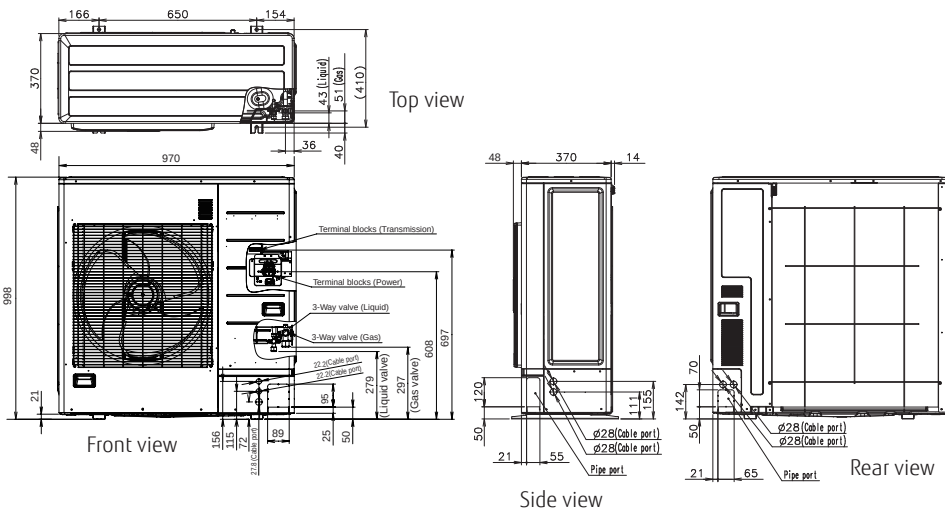
## Specifications

| Rated capacity range                 |                                 | HP           | 4                         | 5             | 6             |
|--------------------------------------|---------------------------------|--------------|---------------------------|---------------|---------------|
| Model name                           |                                 |              | AJH040LCLDH               | AJH045LCLDH   | AJH054LCLDH   |
| Maximum connectable indoor units     |                                 |              | 1-11                      | 1-12          | 1-13          |
| Power source                         |                                 |              | Single phase, 230V~, 50Hz |               |               |
| Capacity                             | Cooling                         | kW           | 12.1                      | 14.0          | 15.1          |
|                                      | Nominal Heating                 |              | 12.1                      | 14.0          | 15.1          |
|                                      | Max. Heating                    |              | 13.6                      | 16.0          | 16.5          |
| Input power                          | Cooling                         | kW           | 3.75                      | 4.71          | 5.55          |
|                                      | Nominal Heating                 |              | 3.22                      | 3.77          | 4.33          |
|                                      | Max. Heating                    |              | 3.99                      | 5.04          | 5.32          |
| EER                                  | Cooling                         | W/W          | 3.22                      | 2.97          | 2.72          |
| COP                                  | Nominal Heating                 |              | 3.75                      | 3.71          | 3.48          |
|                                      | Max. Heating                    |              | 3.40                      | 3.17          | 3.10          |
| SEER                                 | Cooling                         |              | 5.83                      | 5.58          | 5.47          |
| SCOP                                 | Heating                         |              | 3.82                      | 3.96          | 3.99          |
| η <sub>c</sub>                       | Cooling                         | %            | 230.2                     | 220.2         | 215.8         |
| η <sub>h</sub>                       | Heating                         |              | 149.8                     | 155.4         | 156.6         |
| Airflow rate                         |                                 | m³/h         | 4,240                     | 4,400         | 4,400         |
| Sound pressure level/<br>Power level | Cooling                         | dB(A)        | 53 / 67                   | 53 / 69       | 54 / 70       |
|                                      | Heating                         |              | 54 / 68                   | 56 / 69       | 56 / 70       |
| Heat exchanger fin                   |                                 |              | Blue fin                  | Blue fin      | Blue fin      |
| Net Dimensions                       | Height                          | mm           | 998                       | 998           | 998           |
|                                      | Width                           |              | 970                       | 970           | 970           |
|                                      | Depth                           |              | 370                       | 370           | 370           |
| Weight                               |                                 | kg           | 88                        | 88            | 88            |
| Refrigerant                          | Type (Global Warming Potential) |              | R410A (2,088)             | R410A (2,088) | R410A (2,088) |
|                                      | Charge                          | kg (CO2eq-T) | 4.0 (8.4)                 | 4.0 (8.4)     | 4.0 (8.4)     |
| Connection pipe<br>diameter          | Liquid                          | mm           | 9.52                      | 9.52          | 9.52          |
|                                      | Gas                             |              | 15.88                     | 15.88         | 15.88         |
| Total pipe length                    |                                 | m            | 80                        | 80            | 80            |
| Max. height difference               |                                 |              | 30                        | 30            | 30            |
| Operating Range                      | Cooling                         | °C           | -5 to 46                  | -5 to 46      | -5 to 46      |
|                                      | Heating                         |              | -20 to 21                 | -20 to 21     | -20 to 21     |

Note: Specifications are based on the following conditions.  
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.  
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.  
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m.  
The protective function may work when using it outside the operation range.

## Dimensions

(Unit: mm)





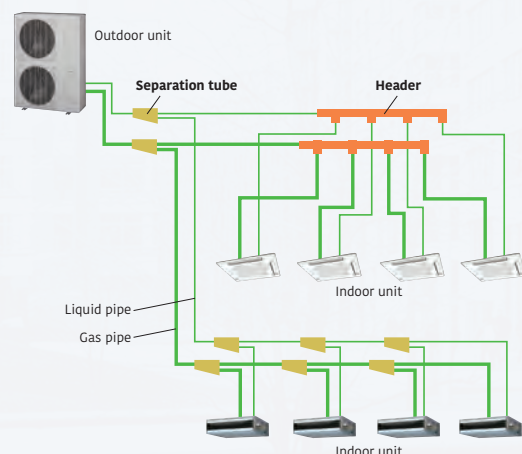


## Heat Pump for Small-capacity type

# VRF J-IV

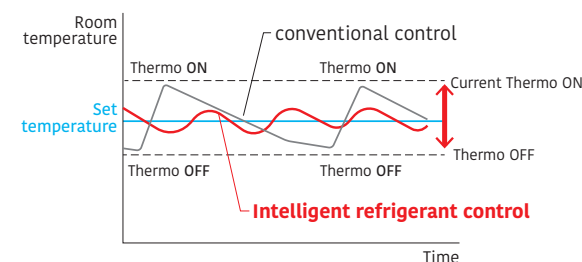
### System configuration example

- Suitable for air conditioning small and medium-size buildings. One refrigerant system is used for each outdoor unit.
- Multiple indoor units are connected with separation tubes and headers.

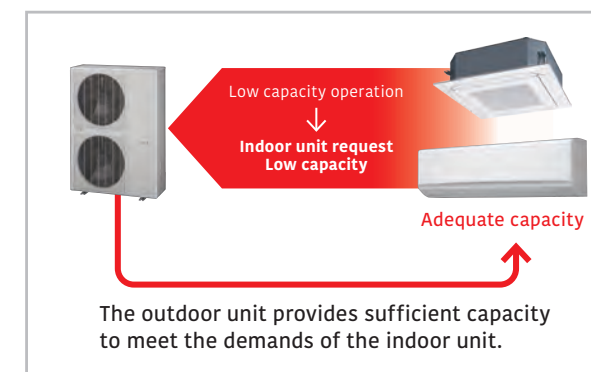


## Intelligent Refrigerant Control

The Intelligent refrigerant control operates with suitable control corresponding to the heat load of the room and offers a more comfortable environment. The Intelligent refrigerant control can also provide increased energy savings.



The thermostat is turned on and off less frequently than under conventional control to maintain the room temperature at the target temperature. Compared to conventional control, the compressor will run longer, thus saving energy.



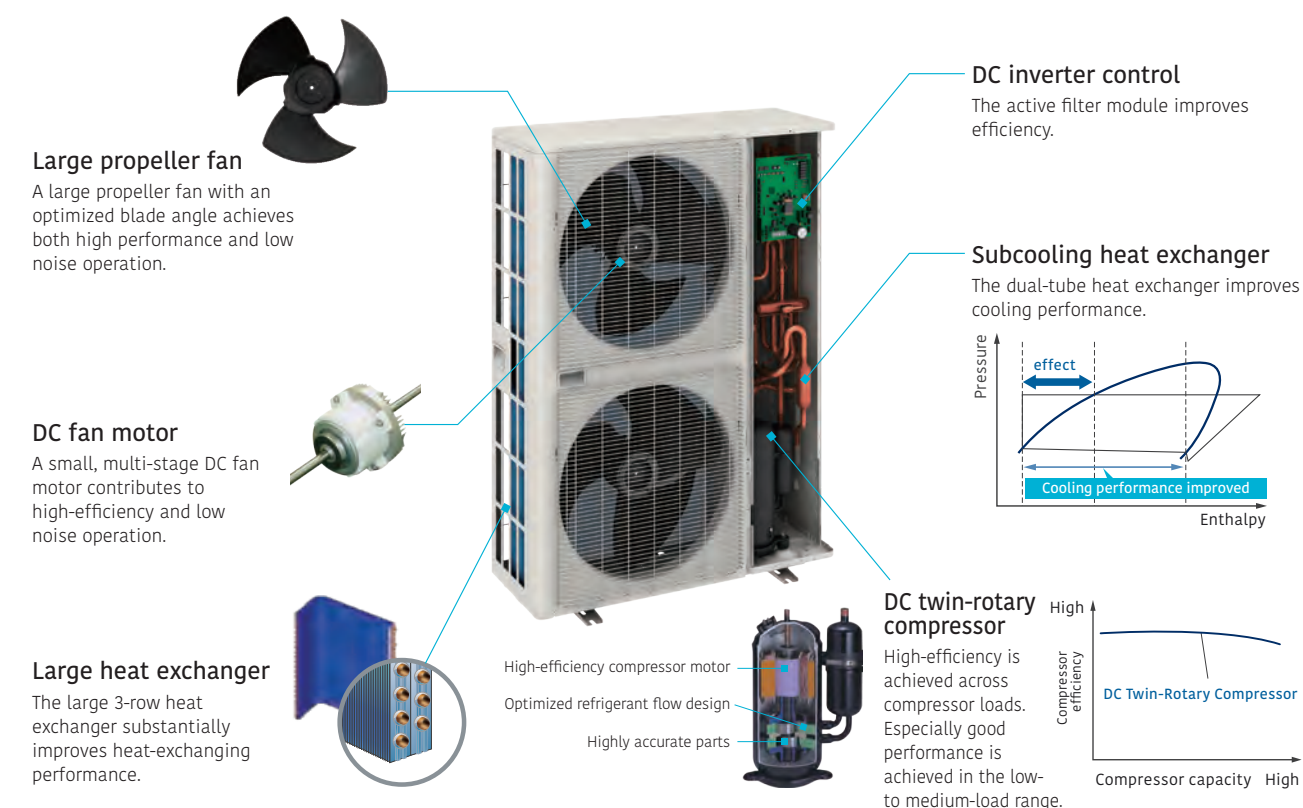
\* The improvements due to the control and the actual sine wave vary depending on the combination of the indoor unit and system operating conditions.

## External Static Pressure

External static pressure measures up to 30 Pa for 4/5/6 HP.



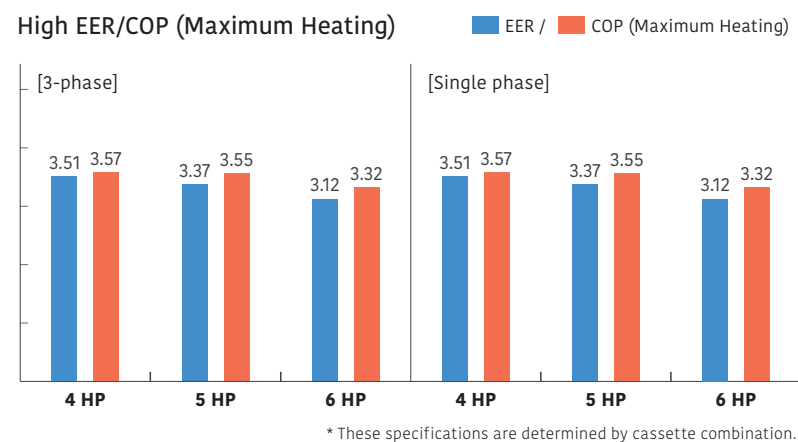
## Advanced High-Efficiency Technology





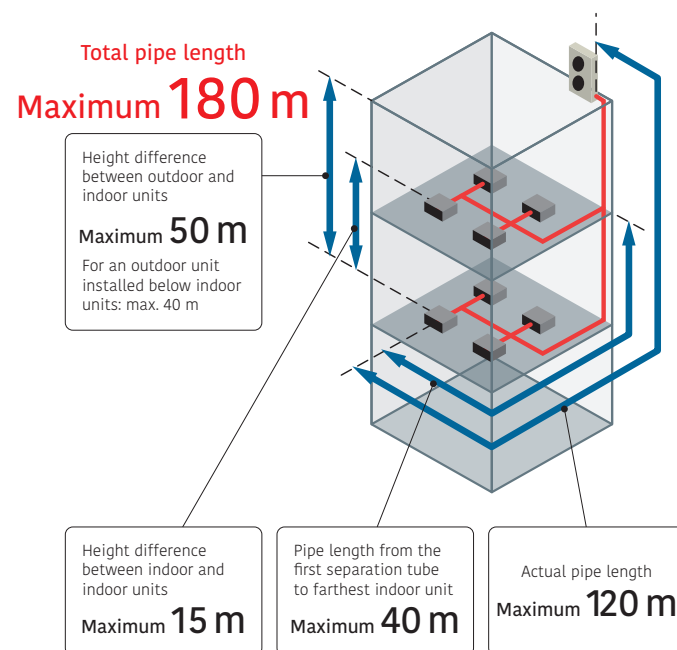
## Efficiency in Actual Operating Conditions

The use of a large heat exchanger and a high-efficiency Scroll compressor achieves class-leading EER/COP (Max. Heating) in all models.



## Long Pipe Length

Our advanced refrigerant control technology allows us to achieve a total refrigerant pipe length of 180 m. This provides high flexibility in system design.



## Up to 14 Indoor Units\* can be Connected

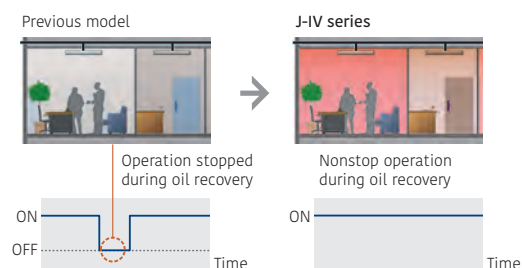
The combination of smaller but sufficiently powerful indoor units and outdoor units with an optimized heat exchanging structure makes it possible to connect up to 14 indoor units, which is the best in its class.

\*: 6 HP model

| Model                        | J-IV |      |      |
|------------------------------|------|------|------|
| Rating Capacity range (HP)   | 4    | 5    | 6    |
| Max. Connectable indoor unit | 1-11 | 1-12 | 1-13 |

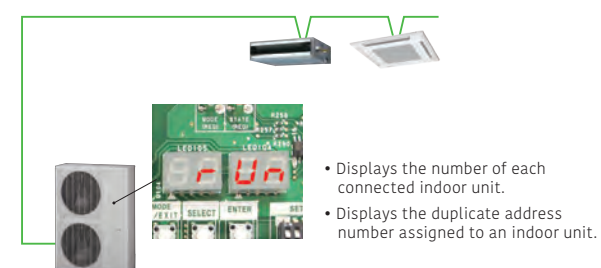
## Non-Stop Oil Recovery Operation

A comfortable room condition is maintained during oil recovery mode because the product continues to operate without stopping the cooling or heating operation.



## Easier Installation

**Connection check function:** Wire connections and address settings can be checked thanks to the quick check run function.



**4,5,6HP: AJH040LBDH / AJH045LBDH / AJH054LBDH**  
**AJH040LELDH [3-phase] / AJH045LELDH [3-phase] / AJH054LELDH [3-phase]**



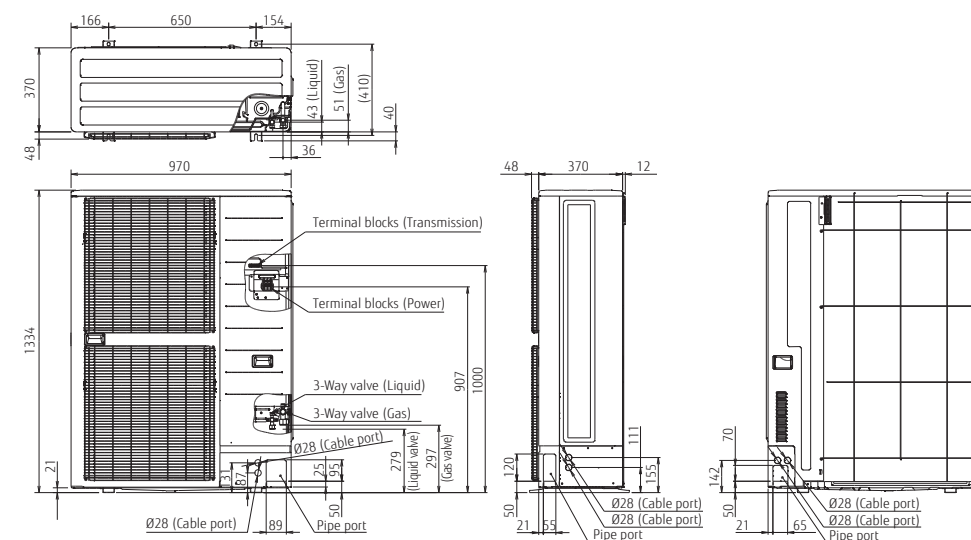
## Specifications

| Rated capacity range             |                                  | HP   | 4                                 | 5                                 | 6                                 |
|----------------------------------|----------------------------------|------|-----------------------------------|-----------------------------------|-----------------------------------|
| Model name                       |                                  |      | AJH040LBDH                        | AJH045LBDH                        | AJH054LBDH                        |
| Maximum connectable indoor units |                                  |      | 1-11                              | 1-12                              | 1-14                              |
| Power source                     |                                  |      | Single phase, 230V~, 50Hz         |                                   |                                   |
| Capacity                         | Cooling                          | kW   | 12.1                              | 14.0                              | 15.5                              |
|                                  | Nominal Heating                  |      | 12.1                              | 14.0                              | 15.5                              |
|                                  | Max. Heating                     |      | 13.6                              | 16.0                              | 18.0                              |
| Input power                      | Cooling                          | kW   | 3.44                              | 4.15                              | 4.96                              |
|                                  | Nominal Heating                  |      | 3.14                              | 3.60                              | 4.17                              |
|                                  | Max. Heating                     |      | 3.80                              | 4.50                              | 5.41                              |
| EER                              | Cooling                          | W/W  | 3.51                              | 3.37                              | 3.12                              |
|                                  | Nominal Heating                  |      | 3.85                              | 3.88                              | 3.71                              |
|                                  | Max. Heating                     |      | 3.57                              | 3.55                              | 3.32                              |
| COP                              | Cooling                          |      | 6.52                              | 6.43                              | 6.14                              |
|                                  | Heating                          |      | 3.58                              | 3.89                              | 3.85                              |
|                                  | SEER                             |      | 257.8                             | 254.2                             | 242.6                             |
| SCOP                             | Cooling                          | %    | 140.2                             | 152.6                             | 151.0                             |
|                                  | Heating                          |      | 6.200                             | 6.600                             | 7.000                             |
|                                  | ηh                               |      | 50 / 65                           | 52 / 66                           | 53 / 67                           |
| Airflow rate                     | Cooling                          | m³/h | 52 / 67                           | 55 / 69                           | 56 / 69                           |
|                                  | Heating                          |      | Blue fin                          | Blue fin                          | Blue fin                          |
|                                  | Sound pressure level/Power level |      | 1,334                             | 1,334                             | 1,334                             |
| Heat exchanger fin               | Height                           | mm   | 970                               | 970                               | 970                               |
|                                  | Width                            |      | 370                               | 370                               | 370                               |
|                                  | Depth                            |      | 117                               | 117                               | 119                               |
| Net Dimensions                   | Type (Global Warming Potential)  | kg   | R410A (2,088)                     | R410A (2,088)                     | R410A (2,088)                     |
|                                  | Charge                           |      | 4.8 (10.0)                        | 5.3 (11.1)                        | 5.3 (11.1)                        |
|                                  | Liquid                           |      | 9.52                              | 9.52                              | 9.52                              |
| Connection pipe diameter         | Gas                              | mm   | 15.88                             | 15.88                             | 19.05                             |
|                                  | Total pipe length                |      | 180                               | 180                               | 180                               |
|                                  | Max. height difference           |      | 50/40 (Outdoor unit: Upper/Lower) | 50/40 (Outdoor unit: Upper/Lower) | 50/40 (Outdoor unit: Upper/Lower) |
| Operating Range                  | Cooling                          | °C   | -5 to 46                          | -5 to 46                          | -5 to 46                          |
|                                  | Heating                          |      | -20 to 21                         | -20 to 21                         | -20 to 21                         |
|                                  | Refrigerant                      |      | R410A (2,088)                     | R410A (2,088)                     | R410A (2,088)                     |

Note: Specifications are based on the following conditions.  
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.  
Heating: Indoor temperature of 20°CDB/15°CWB, and outdoor temperature of 7°CDB/6°CWB.  
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m.  
The protective function may work when using it outside the operation range.

## Dimensions

(Unit: mm)







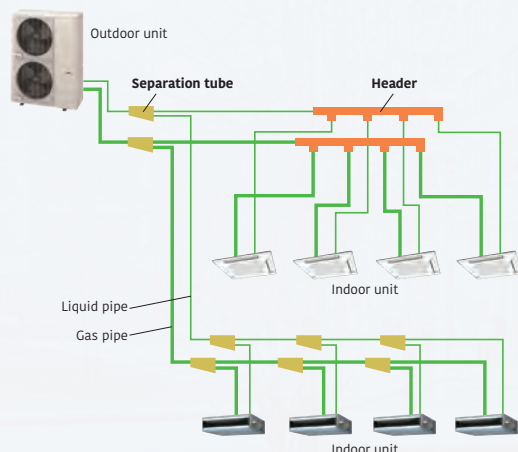
## Heat Pump

for Small-capacity type

# VRF J-IVL

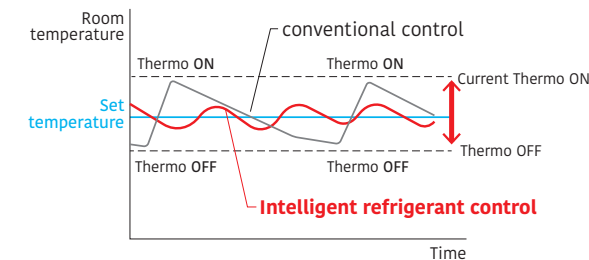
### System configuration example

- Suitable for air conditioning small and medium-size buildings. One refrigerant system is used for each outdoor unit.
- Multiple indoor units are connected with separation tubes and headers.

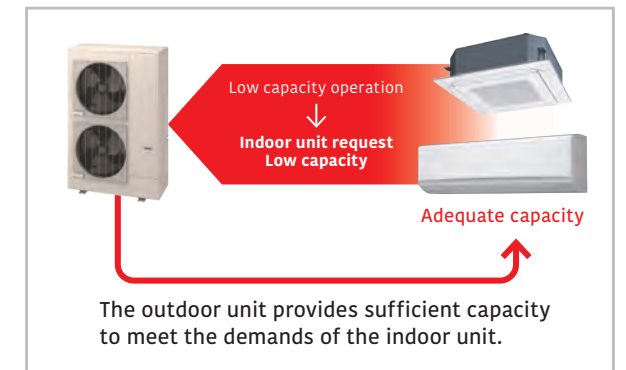


## Intelligent Refrigerant Control

The Intelligent refrigerant control operates with suitable control corresponding to the heat load of the room and offers a more comfortable environment. The Intelligent refrigerant control can also provide increased energy savings.



The thermostat is turned on and off less frequently than under conventional control to maintain the room temperature at the target temperature. Compared to conventional control, the compressor will run longer, thus saving energy.



\* The improvements due to the control and the actual sine wave vary depending on the combination of the indoor unit and system operating conditions.

## External Static Pressure

External static pressure is available up to 60 Pa for 14/16/18 HP. (30 Pa for 8/10 HP, 40 Pa for 12 HP)  
Capacities are slightly decreased relative to the rated values during high static pressure operations.



## Advanced High-Efficiency Technology

Ø570 mm

### Large propeller fan

A large-diameter propeller fan with our proprietary blade design reduces draft loss, which results in high-efficiency and low noise operation.

### DC fan motor

A small, multi-stage DC fan motor provides high-efficiency and low noise operation.

### Large heat exchanger

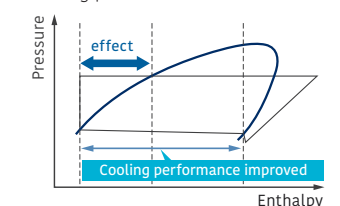
The large 2.6-row heat exchanger substantially improves heat-exchanging performance.

### DC inverter control

The active filter module improves efficiency.

### Subcooling heat exchanger

The dual-tube heat exchanger improves cooling performance.



### Scroll compressor

The combination of a scroll compressor with a wide rotational frequency range from 15 to 130 rps and our proprietary sensorless sine-wave control that smoothly controls the input power into the motor achieves more energy-efficient and quieter operation.

15 to 130 rps

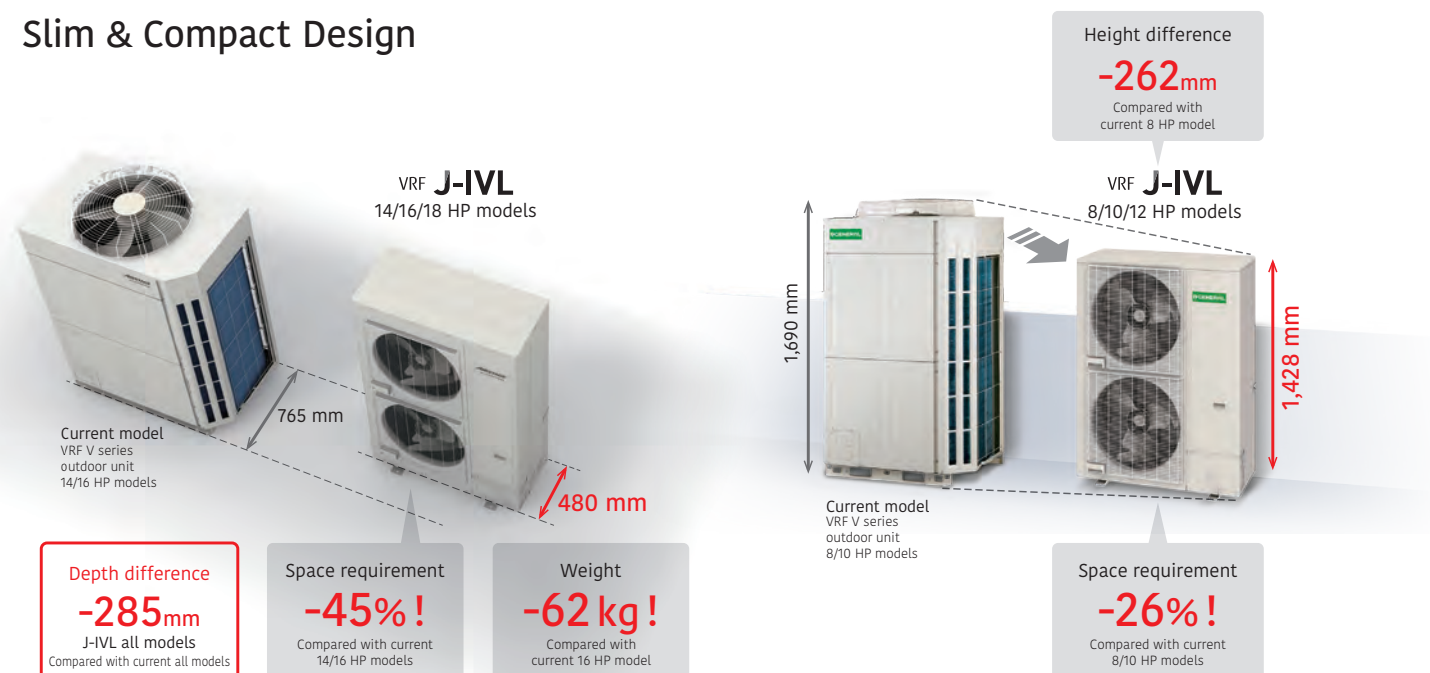


General offers a perfect total air conditioning system for small office buildings with multiple small rooms, taking into consideration energy savings, low noise, comfortable air volume, usage and purpose, and centralized control.

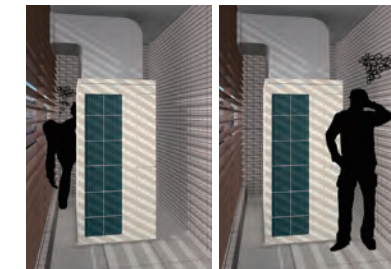
## VRF J-IVL

Image: 8/10/12 HP models

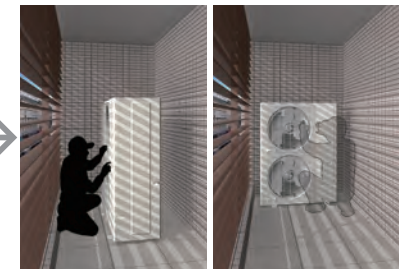
### Slim & Compact Design



### Various Installation Methods



VRF V series outdoor unit



VRF J series outdoor unit

#### Installation

#### Low noise level in consideration of nearby residents

Front air discharge type with a width of about 1,000 mm, allowing for flexible installation even in narrow spaces.



VRF V series outdoor unit

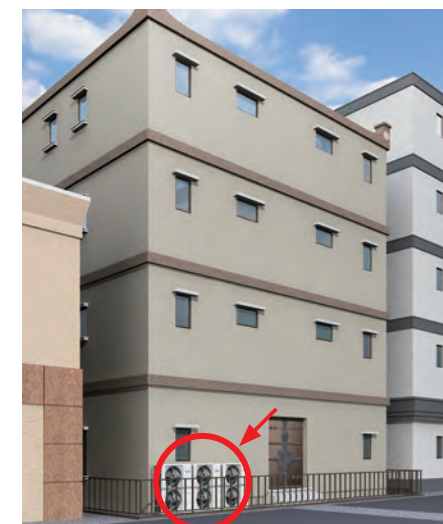


VRF J series outdoor unit

#### Narrow space behind building

#### Space saving

Small and thin, allowing for direct ground or wall mounting installations even in narrow alleys.



VRF V series outdoor unit



VRF J series outdoor unit

#### Installation on the back street of a building

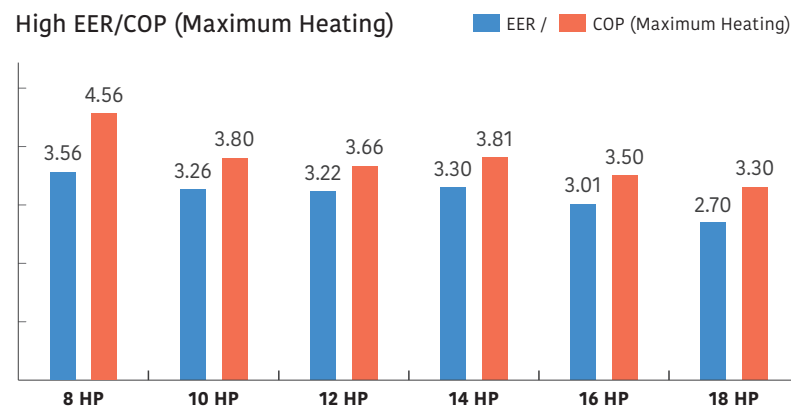
#### Flexible installation

Slim, low-body front air discharge meets the requirements for installation even in tight spaces. Installation flexibility without blocking the windows of buildings contributes to substantial space savings, even when multiple units are installed.



## Efficiency in Actual Operating Conditions

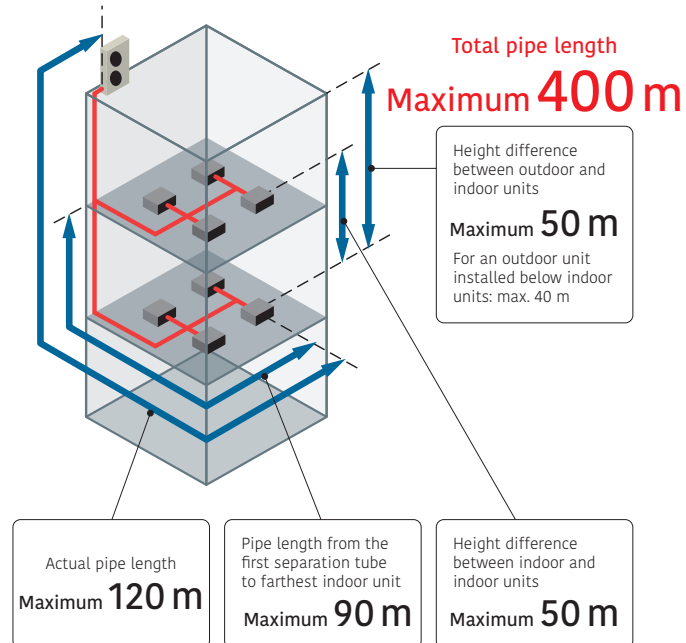
The use of a large heat exchanger and a high-efficiency Scroll compressor achieves class-leading EER/COP (Max. Heating) in all models.



\* These specifications are determined by cassette combination.

## Long Pipe Length

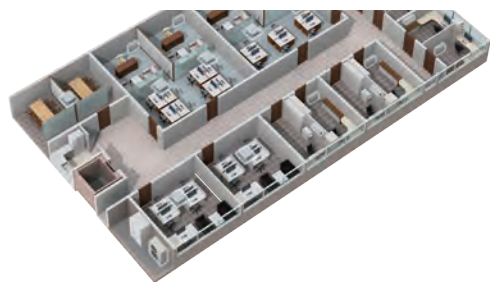
Our advanced refrigerant control technology extends the maximum allowable length of refrigerant pipe to 400 m. This provides high flexibility in system design.



## Up to 42 Indoor Units\* can be Connected.

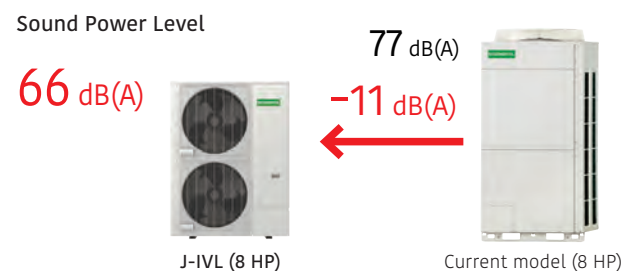
The combination of smaller but sufficiently powerful indoor units and a outdoor unit with an optimized heat exchanging structure makes it possible to connect up to 42 indoor units, which is the best in its class.

\*: 18 HP model



## Class-Leading Low Operating Sound

The top-class low operating noise makes it ideal for use in densely populated areas. These low operating sound models are ideal for installation in densely populated areas.



8,10,12 HP: AJH072LELDH / AJH090LELDH / AJH108LELDH  
14,16,18 HP: AJH126LELDH / AJH144LELDH / AJH162LELDH



## Specifications

| Rated capacity range             |                                 | HP                        | 8                                 | 10            | 12            | 14            | 16            | 18            |
|----------------------------------|---------------------------------|---------------------------|-----------------------------------|---------------|---------------|---------------|---------------|---------------|
| Model name                       |                                 |                           | AJH072LELDH                       | AJH090LELDH   | AJH108LELDH   | AJH126LELDH   | AJH144LELDH   | AJH162LELDH   |
| Maximum connectable indoor units |                                 |                           | 1-20                              | 1-25          | 1-30          | 1-36          | 1-40          | 1-42          |
| Power source                     |                                 |                           | 3-phase, 400V~, 50Hz              |               |               |               |               |               |
| Capacity                         | Cooling                         | kW                        | 22.4                              | 28.0          | 33.5          | 40.0          | 45.0          | 50.0          |
|                                  | Nominal Heating                 |                           | 22.4                              | 28.0          | 33.5          | 40.0          | 45.0          | 50.0          |
|                                  | Max. Heating                    |                           | 25.0                              | 31.5          | 37.5          | 45.0          | 50.0          | 55.0          |
| Input power                      | Cooling                         | kW                        | 6.30                              | 8.59          | 10.42         | 12.12         | 14.96         | 18.52         |
|                                  | Nominal Heating                 |                           | 4.65                              | 6.61          | 8.18          | 9.71          | 11.81         | 13.66         |
|                                  | Max. Heating                    |                           | 5.45                              | 8.29          | 10.25         | 11.81         | 14.29         | 16.66         |
| EER                              | Cooling                         | W/W                       | 3.56                              | 3.26          | 3.22          | 3.30          | 3.01          | 2.70          |
| COP                              | Nominal Heating                 |                           | 4.82                              | 4.24          | 4.10          | 4.12          | 3.81          | 3.66          |
|                                  | Max. Heating                    |                           | 4.56                              | 3.80          | 3.66          | 3.81          | 3.50          | 3.30          |
| SEER                             | Cooling                         |                           | 7.62                              | 7.50          | 7.27          | 7.27          | 7.00          | 6.29          |
| SCOP                             | Heating                         |                           | 3.89                              | 3.61          | 3.63          | 3.53          | 3.51          | 3.54          |
| η <sub>c</sub>                   | Cooling                         | %                         | 301.8                             | 297.0         | 287.8         | 287.8         | 277.0         | 248.6         |
| η <sub>h</sub>                   | Heating                         |                           | 152.6                             | 141.4         | 142.2         | 138.2         | 137.4         | 138.6         |
| Airflow rate                     |                                 | m <sup>3</sup> /h         | 8,400                             | 9,000         | 11,000/12,100 | 13,000        | 14,000        | 14,800/15,300 |
| Sound pressure level/Power level | Cooling                         | dB(A)                     | 52/66                             | 54/69         | 59/73         | 62/75         | 64/77         | 65/79         |
|                                  | Heating                         |                           | 54/66                             | 57/70         | 62/75         | 63/76         | 65/78         | 68/82         |
|                                  | Height                          |                           | 1,428                             | 1,428         | 1,428         | 1,638         | 1,638         | 1,638         |
| Net Dimensions                   | Width                           | mm                        | 1,080                             | 1,080         | 1,080         | 1,080         | 1,080         | 1,080         |
|                                  | Depth                           |                           | 480                               | 480           | 480           | 480           | 480           | 480           |
|                                  | Height                          |                           | 1,428                             | 1,428         | 1,428         | 1,638         | 1,638         | 1,638         |
| Weight                           |                                 | kg                        | 170                               | 177           | 178           | 213           | 213           | 217           |
| Refrigerant                      | Type (Global Warming Potential) |                           | R410A (2,088)                     | R410A (2,088) | R410A (2,088) | R410A (2,088) | R410A (2,088) | R410A (2,088) |
|                                  | Charge                          | kg (CO <sub>2</sub> eq-T) | 7.0 (14.6)                        | 7.5 (15.7)    | 7.5 (15.7)    | 11.0 (23.0)   | 11.0 (23.0)   | 11.8 (24.6)   |
|                                  | Liquid                          |                           | 9.52                              | 9.52          | 12.70         | 12.70         | 12.70         | 12.70         |
| Connection pipe diameter         | Gas                             | mm                        | 19.05                             | 22.20         | 28.58         | 28.58         | 28.58         | 28.58         |
|                                  |                                 |                           |                                   |               |               |               |               |               |
| Total pipe length                |                                 | m                         | 400                               | 400           | 400           | 400           | 400           | 400           |
| Max. height difference           |                                 |                           | 50/40 (Outdoor unit: Upper/Lower) |               |               |               |               |               |
| Operating Range                  | Cooling                         | °C                        | -15 to 46                         | -15 to 46     | -15 to 46     | -5 to 46*     | -5 to 46*     | -5 to 46*     |
|                                  | Heating                         |                           | -20 to 21                         | -20 to 21     | -20 to 21     | -20 to 21     | -20 to 21     | -20 to 21     |

Note: Specifications are based on the following conditions.

Cooling: Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.

Heating: Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.

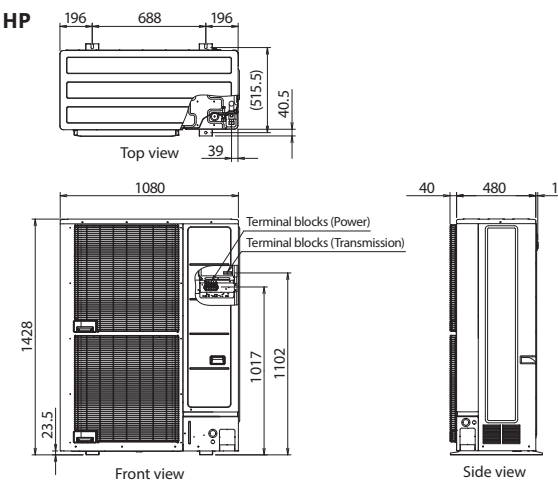
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m.

\* The cooling operation range of -15 to 46°C is allowed only when all of the indoor units connected to the system are higher than capacity of 5.6kW.

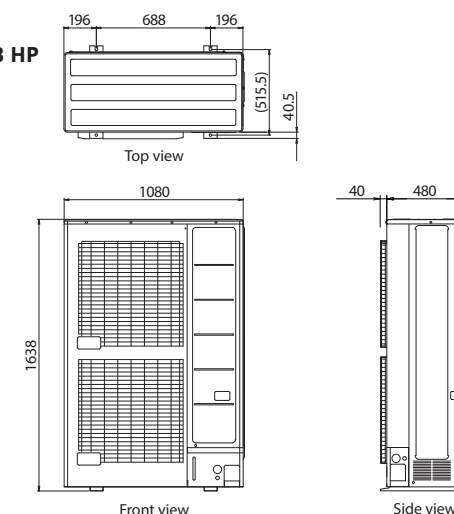
## Dimensions

(Unit: mm)

8, 10, 12 HP



14, 16, 18 HP





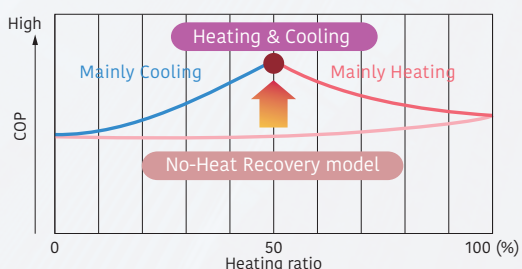
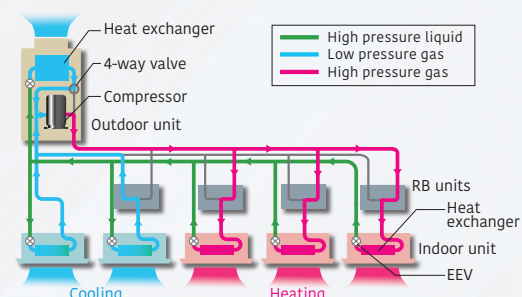


## Heat Recovery Modular type

# VRF VR-IV

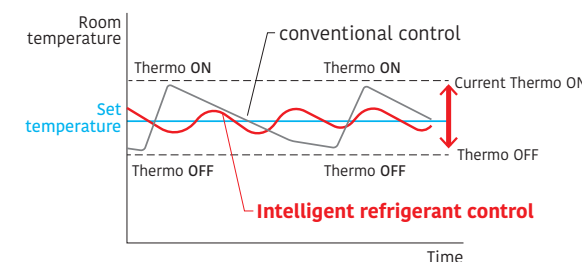
### Highly energy-efficient operation

Our heat recovery systems achieve high operating energy efficiency by drawing heat from the room to be cooled and transferring it as energy for rooms that are to be heated.

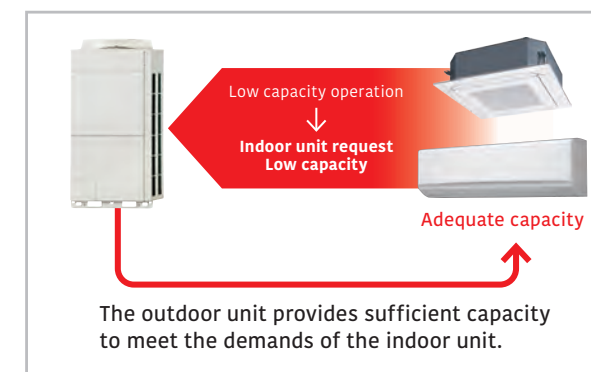


## Intelligent Refrigerant Control

The Intelligent refrigerant control operates with suitable control corresponding to the heat load of the room and offers a more comfortable environment. The Intelligent refrigerant control can also provide increased energy savings.



The thermostat is turned on and off less frequently than under conventional control to maintain the room temperature at the target temperature. Compared to conventional control, the compressor will run longer, thus saving energy.



\* The improvements due to the control and the actual sine wave vary depending on the combination of the indoor unit and system operating conditions.

## Increase in The Number of Connectable Indoor Units

Capacity range of connectable indoor units

| VR-IV                 | 25%* to 150% |
|-----------------------|--------------|
| Current model (VR-II) | 50% to 150%  |

\*: For modular type, 25% to 49.9% operation in the entire system is available. (by one unit operation)

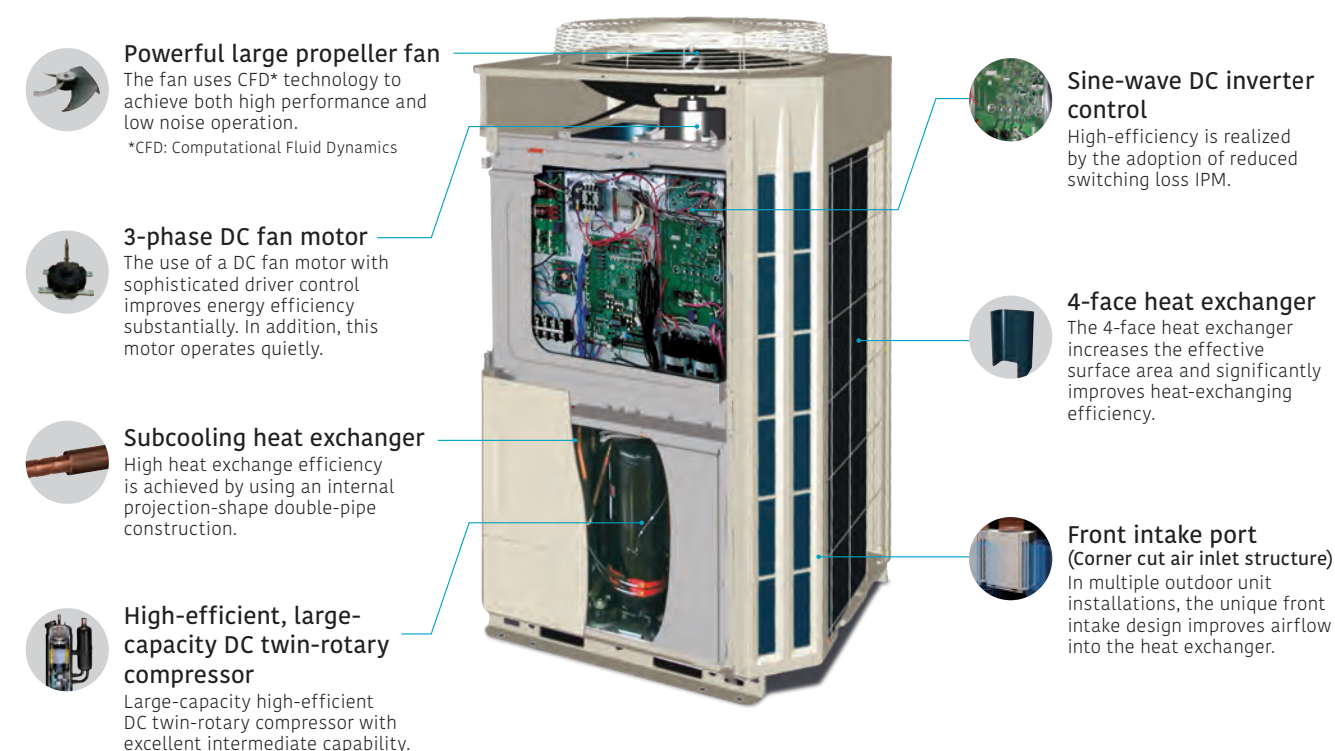
Increased number of connectable indoor units and space saving combinations

|       |    |    |    |    |     |    |    |    |     |    |
|-------|----|----|----|----|-----|----|----|----|-----|----|
| HP    | 10 | 12 | 14 | 16 | ... | 28 | 30 | 32 | ... | 48 |
| VR-IV | 21 | 26 | 30 | 34 | ... | 60 | 64 | 64 | ... | 64 |

↑

|                       |    |    |    |    |    |     |    |    |    |     |    |
|-----------------------|----|----|----|----|----|-----|----|----|----|-----|----|
| Current model (VR-II) | 15 | 16 | 17 | 21 | 24 | ... | 42 | 45 | 48 | ... | 64 |
|-----------------------|----|----|----|----|----|-----|----|----|----|-----|----|

## The Energy-Saving Technology that Boosted Operation Efficiency





## Extended Connection Ratio (Applicable to Multiple Tenants)

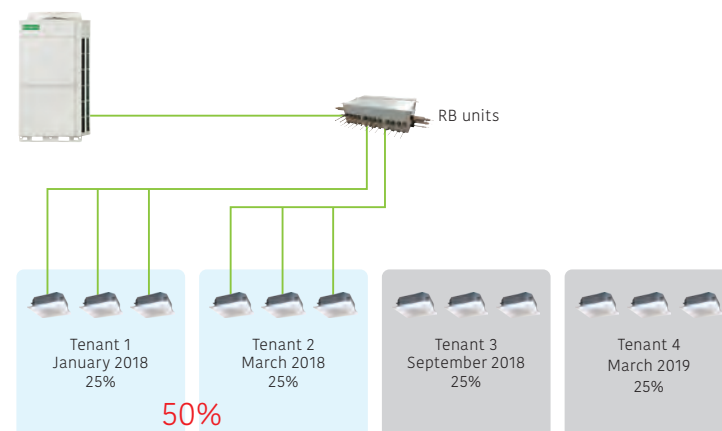
Especially useful when starting partial air conditioning in a building under construction. Installation can be added flexibly for each tenant.



### Stand-Alone

Current model (VR-II)

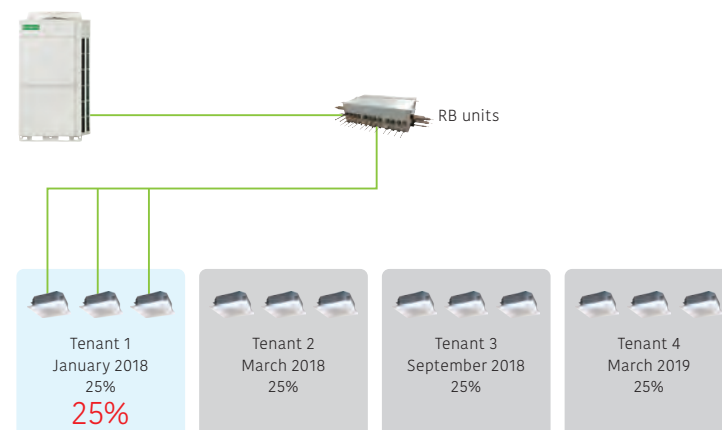
**Example)** 50% of 12HP minimum connected indoor unit capacity is required



Installation is possible even for tenants who have not yet started operations.

### VR-IV

**Example)** 25% of 12HP minimum connected indoor unit capacity is required

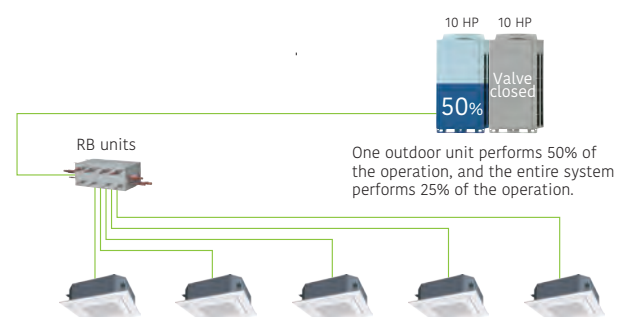


Installation and commissioning can be added flexibly to meet the opening dates of other tenants.

### Modular Type

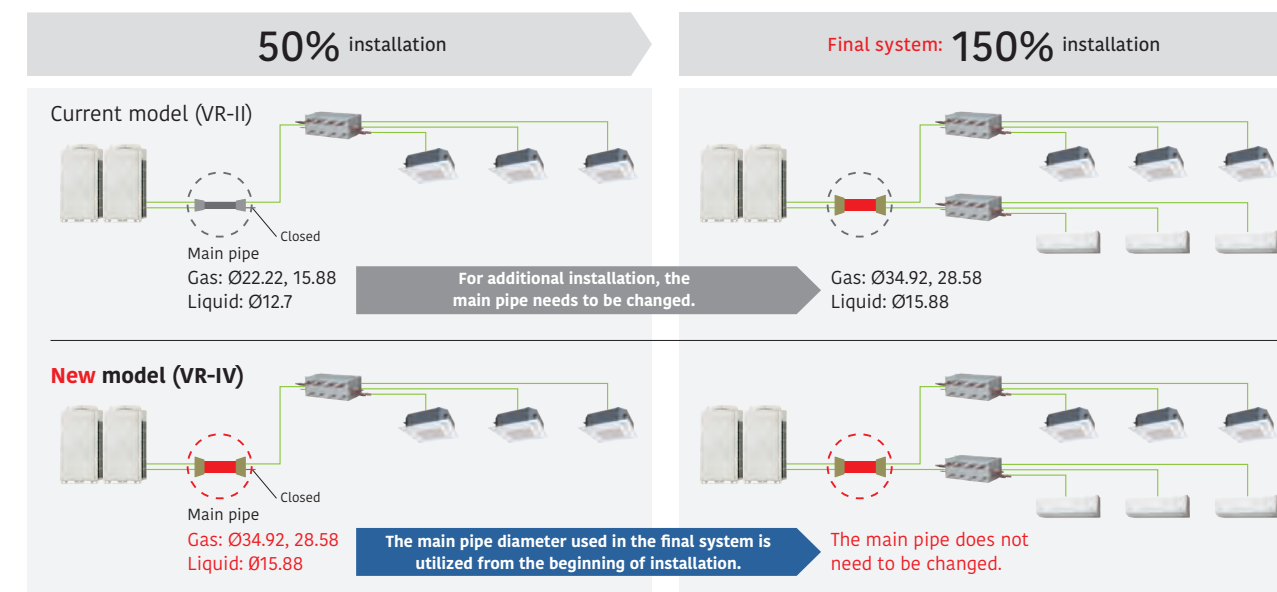
One outdoor unit operates effectively for the capacities of connectable indoor units in the entire system. (Each of the multiple outdoor units does not dare to operate at 25% capacity: any one of the outdoor units will operate at 50% and the remaining units will each output 0%, i.e., stop operating.)

**Example:** One 10HP outdoor unit performs 25% of the total 20HP outdoor units system.  
One 10HP outdoor unit performs 50% of its capacity  
→ Two outdoor units do not perform 25% of the operation.



## Additional Installation is Possible without Changing The Main Pipe

A main pipe of a diameter that can be used for the final system is installed at the beginning of the installation. Duplication of the work will be avoided as there is no need to change the main pipe as in the previous model.



## All-Inverter Compressor

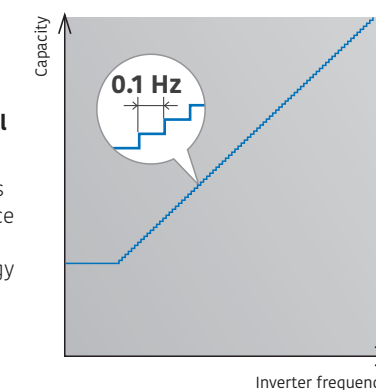
### Large-capacity DC inverter compressor

Large-capacity high-efficient DC twin-rotary compressor with excellent intermediate capability.



### High-efficiency compressor speed control

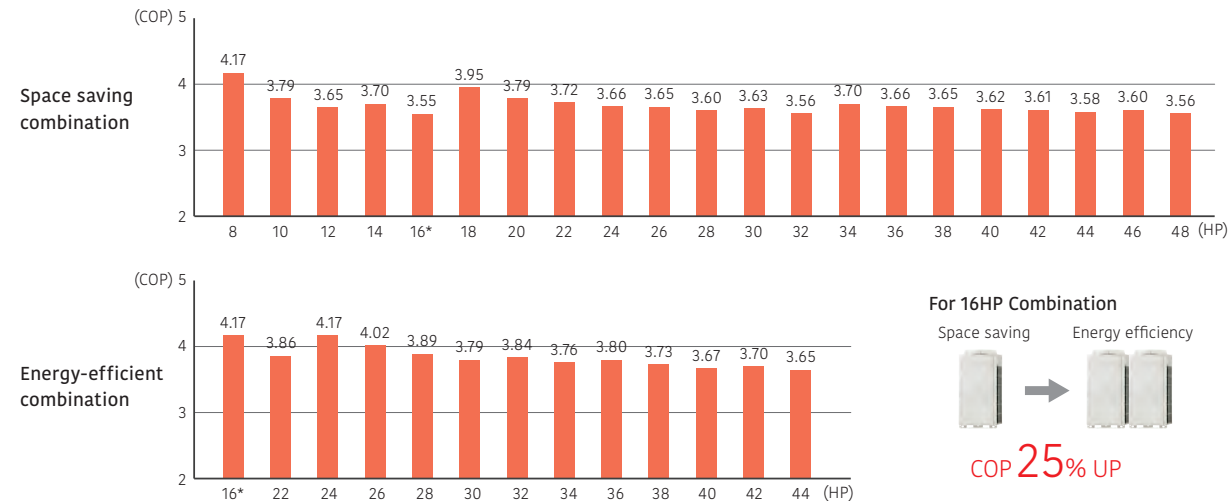
The compressor speed control in 0.1 Hz increments ensures a comfortable space with less change in room temperature and less energy loss.





## Efficiency in Actual Operating Conditions

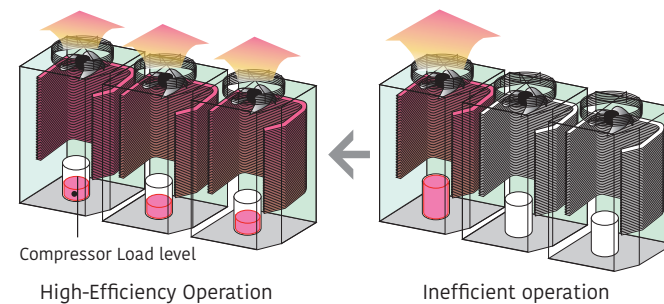
Class-leading high COP (Maximum) The use of our proprietary heat exchanger structure and high-efficiency DC twin-rotary compressors achieves the class-leading coefficient of performance (COP) in every combination.



\* These specifications are determined by Cassette combination.  
\* Multiple outdoor units are not certified by Eurovent.

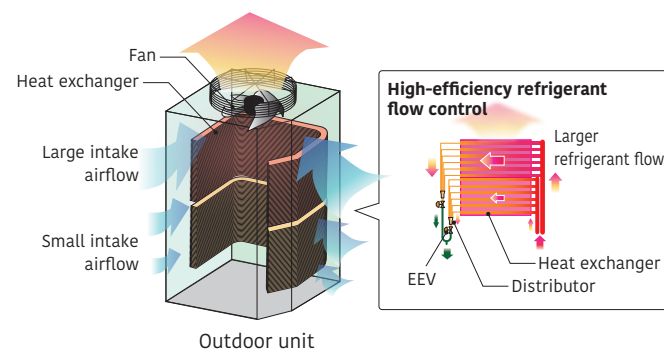
## Multiple Outdoor Operation Control

When multiple outdoor units are connected, each compressor carries out sophisticated operation. Instead of operating one compressor at full load to distribute the refrigerant to one heat exchanger, all compressors operate at partial load to distribute the refrigerant to all heat exchangers, thereby improving the efficiency of the entire system.



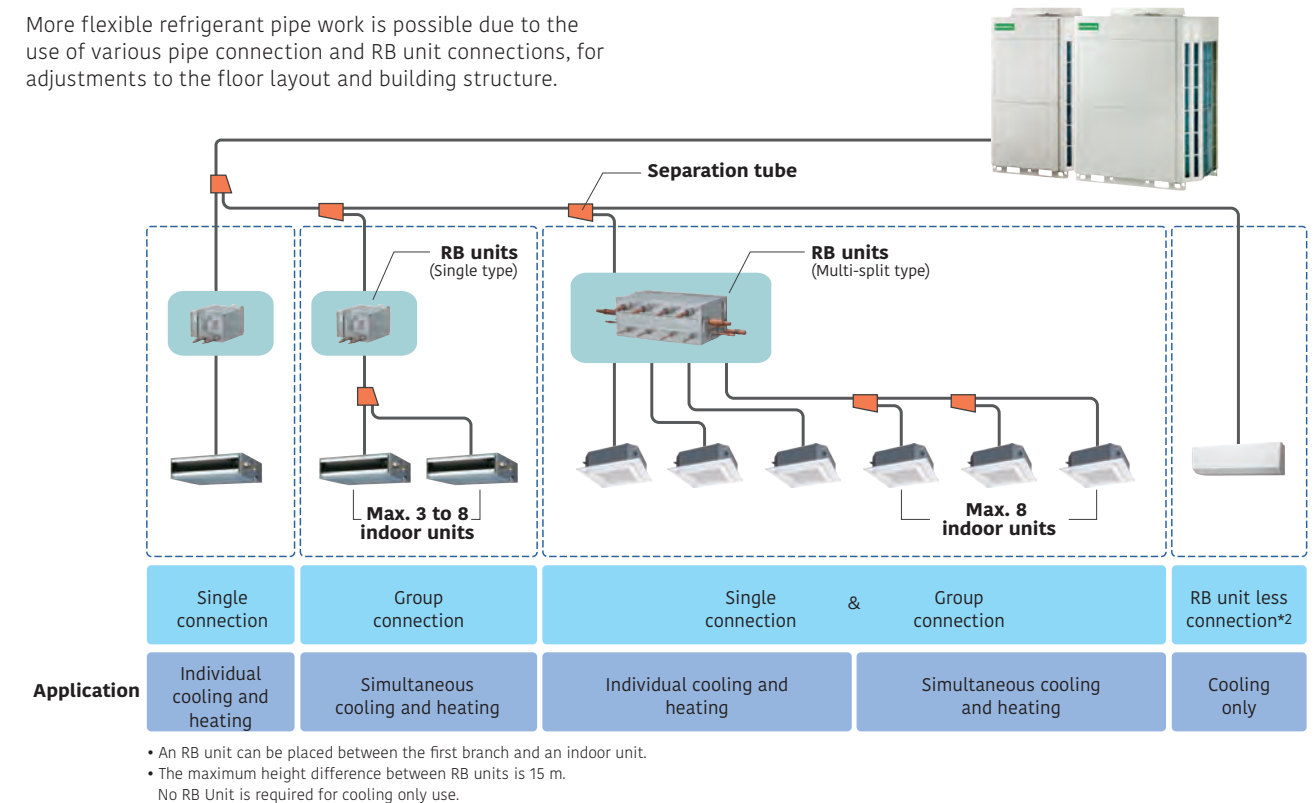
## Heat Exchanger Refrigerant Control

The heat exchanger in the outdoor unit is divided into two parts, upper and lower. The efficiency of the heat exchanger has been improved by adopting an optimum refrigerant path control where the refrigerant is distributed more into the top heat exchanger as this is where there is a greater airflow intake.



## Flexible Pipe Connection

More flexible refrigerant pipe work is possible due to the use of various pipe connection and RB unit connections, for adjustments to the floor layout and building structure.

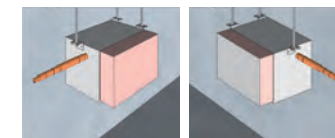


## Flexible Installation of RB Unit

Small and slim design with a height of 198 mm makes it easy to install in tight spaces with height constraints.

- A drain pipe is not required.
- Different positions of a control box can be chosen to accommodate installation conditions.
- Series connection for simplified installation

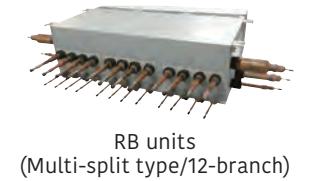
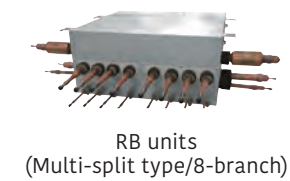
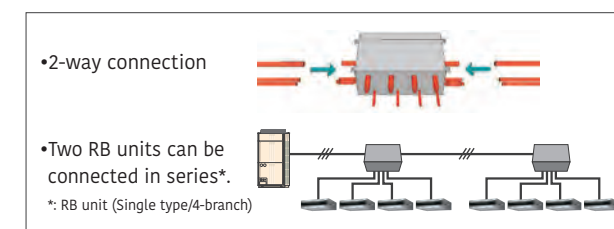
\*: RB unit (single type)



An RB unit can be installed on either side of the control box.

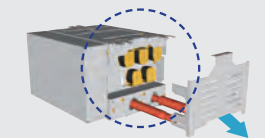


An RB unit can be installed on top of the control box to save space.  
\*: RB unit (single type)



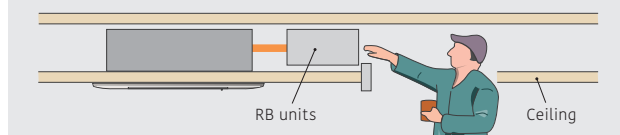
### Easy maintenance in tight spaces

Maintenance can be performed from the side.



The electrical box can be accessed and serviced by sliding down the front cover.

Parts can be accessed and replaced easily even in tight spaces inside the ceiling.





Outdoor units lineup • Combinations other than those listed below are not recommended.

Space saving combination

|                                                                                                                                                    |                                                                                                                                                   |                                                                                                                                                   |                                                                                                                                                    |                                                                                                                                                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| 22.4kW (8HP)<br><br>AJH072GALDH<br>UNIT : AJH072GALDH             | 28.0kW (10HP)<br><br>AJH090GALDH<br>UNIT : AJH090GALDH           | 33.5kW (12HP)<br><br>AJH108GALDH<br>UNIT : AJH108GALDH           | 40.0kW (14HP)<br><br>AJH126GALDH<br>UNIT : AJH126GALDH           | 45.0kW (16HP)<br><br>AJH144GALDH<br>UNIT : AJH144GALDH           |
| 50.4kW (18HP)<br><br>AJH162GALDH<br>UNIT : AJH090/072GALDH        | 56.0kW (20HP)<br><br>AJH180GALDH<br>UNIT : AJH090/090GALDH       | 61.5kW (22HP)<br><br>AJH198GALDH<br>UNIT : AJH108/090GALDH       | 67.0kW (24HP)<br><br>AJH216GALDH<br>UNIT : AJH108/108GALDH       | 73.0kW (26HP)<br><br>AJH234GALDH<br>UNIT : AJH144/090GALDH       |
| 78.5kW (28HP)<br><br>AJH252GALDH<br>UNIT : AJH144/108GALDH        | 85.0kW (30HP)<br><br>AJH270GALDH<br>UNIT : AJH144/126GALDH       | 90.0kW (32HP)<br><br>AJH288GALDH<br>UNIT : AJH144/144GALDH       | 95.0kW (34HP)<br><br>AJH306GALDH<br>UNIT : AJH108/108/090GALDH   | 100.5kW (36HP)<br><br>AJH324GALDH<br>UNIT : AJH108/108/108GALDH  |
| 106.5kW (38HP)<br><br>AJH342GALDH<br>UNIT : AJH144/108/090GALDH  | 112.0kW (40HP)<br><br>AJH360GALDH<br>UNIT : AJH144/108/108GALDH | 118.0kW (42HP)<br><br>AJH378GALDH<br>UNIT : AJH144/144/090GALDH | 123.5kW (44HP)<br><br>AJH396GALDH<br>UNIT : AJH144/144/108GALDH | 130.0kW (46HP)<br><br>AJH414GALDH<br>UNIT : AJH144/144/126GALDH |
| 135.0kW (48HP)<br><br>AJH432GALDH<br>UNIT : AJH144/144/144GALDH |                                                                                                                                                   |                                                                                                                                                   |                                                                                                                                                    |                                                                                                                                                     |

Energy efficiency combination

|                                                                                                                                                     |                                                                                                                                                     |                                                                                                                                                     |                                                                                                                                                      |                                                                                                                                                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| 44.8kW (16HP)<br><br>AJH144GALDHH<br>UNIT : AJH072/072GALDH      | 62.4kW (22HP)<br><br>AJH198GALDHH<br>UNIT : AJH126/072GALDH      | 67.2kW (24HP)<br><br>AJH216GALDHH<br>UNIT : AJH072/072/072GALDH  | 72.8kW (26HP)<br><br>AJH234GALDHH<br>UNIT : AJH090/072/072GALDH   | 78.4kW (28HP)<br><br>AJH252GALDHH<br>UNIT : AJH090/090/072GALDH  |
| 84.0kW (30HP)<br><br>AJH270GALDHH<br>UNIT : AJH090/090/090GALDH  | 90.4kW (32HP)<br><br>AJH288GALDHH<br>UNIT : AJH126/090/072GALDH  | 96.0kW (34HP)<br><br>AJH306GALDHH<br>UNIT : AJH126/090/090GALDH  | 102.4kW (36HP)<br><br>AJH324GALDHH<br>UNIT : AJH126/126/072GALDH | 108.0kW (38HP)<br><br>AJH342GALDHH<br>UNIT : AJH126/126/090GALDH |
| 113.0kW (40HP)<br><br>AJH360GALDHH<br>UNIT : AJH144/126/090GALDH | 120.0kW (42HP)<br><br>AJH378GALDHH<br>UNIT : AJH126/126/126GALDH | 125.0kW (44HP)<br><br>AJH396GALDHH<br>UNIT : AJH144/126/126GALDH |                                                                                                                                                      |                                                                                                                                                       |

8,10,12HP : AJH072GALDH / AJH090GALDH / AJH108GALDH  
14,16HP : AJH126GALDH / AJH144GALDH



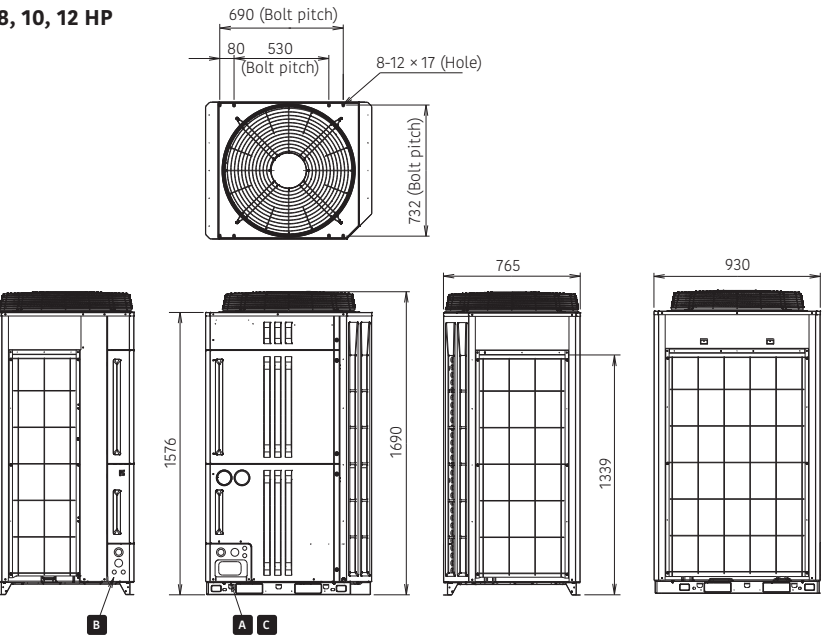
8, 10, 12 HP

14, 16 HP

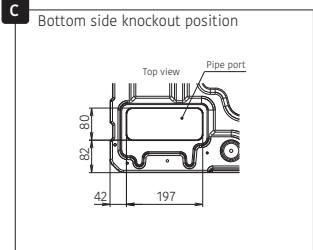
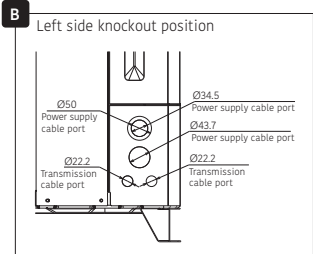
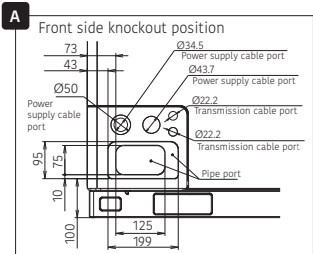
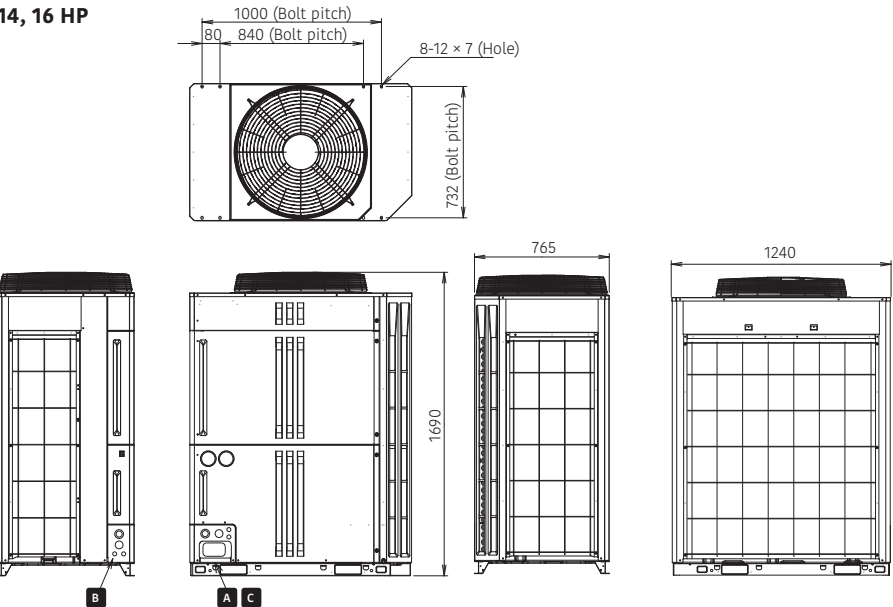
Dimensions

(Unit: mm)

8, 10, 12 HP



14, 16 HP





Outdoor units specifications

Space saving combination

| Rated capacity range                       |                    | HP                              | 8                           | 10                 | 12                 | 14                 | 16                 | 18                         | 20                         | 22                         | 24                         | 26                            | 28                            | 30                         | 32                         | 34                                        | 36                                        | 38                                        | 40                                        | 42                                        | 44                                        | 46                                        | 48                    |           |
|--------------------------------------------|--------------------|---------------------------------|-----------------------------|--------------------|--------------------|--------------------|--------------------|----------------------------|----------------------------|----------------------------|----------------------------|-------------------------------|-------------------------------|----------------------------|----------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-----------------------|-----------|
| Model name                                 |                    |                                 | AJH072GALDH                 | AJH090GALDH        | AJH108GALDH        | AJH126GALDH        | AJH144GALDH        | AJH162GALDH                | AJH180GALDH                | AJH198GALDH                | AJH216GALDH                | AJH234GALDH                   | AJH252GALDH                   | AJH270GALDH                | AJH288GALDH                | AJH306GALDH                               | AJH324GALDH                               | AJH342GALDH                               | AJH360GALDH                               | AJH378GALDH                               | AJH396GALDH                               | AJH414GALDH                               | AJH432GALDH           |           |
| Unit 1<br>Unit 2<br>Unit 3                 |                    |                                 | AJH072GALDH                 | AJH090GALDH        | AJH108GALDH        | AJH126GALDH        | AJH144GALDH        | AJH090GALDH<br>AJH072GALDH | AJH090GALDH<br>AJH090GALDH | AJH108GALDH<br>AJH090GALDH | AJH108GALDH<br>AJH090GALDH | AJH144GALDH<br>AJH090GALDH    | AJH144GALDH<br>AJH108GALDH    | AJH144GALDH<br>AJH126GALDH | AJH144GALDH<br>AJH144GALDH | AJH108GALDH<br>AJH108GALDH<br>AJH090GALDH | AJH108GALDH<br>AJH108GALDH<br>AJH108GALDH | AJH144GALDH<br>AJH144GALDH<br>AJH090GALDH | AJH144GALDH<br>AJH144GALDH<br>AJH108GALDH | AJH144GALDH<br>AJH144GALDH<br>AJH108GALDH | AJH144GALDH<br>AJH144GALDH<br>AJH126GALDH | AJH144GALDH<br>AJH144GALDH<br>AJH126GALDH |                       |           |
| Maximum connectable indoor units*1         |                    |                                 | 17                          | 21                 | 26                 | 30                 | 34                 | 39                         | 43                         | 47                         | 52                         | 56                            | 60                            | 64                         | 64                         | 64                                        | 64                                        | 64                                        | 64                                        | 64                                        | 64                                        | 64                                        | 64                    |           |
| Connectable capacity range of indoor units |                    | kW                              | 5.6 - 33.6                  | 7.0 - 42.0         | 8.4 - 50.2         | 10.0 - 60.0        | 11.3 - 67.5        | 12.6 - 75.6                | 14.0 - 84.0                | 15.4 - 92.2                | 16.8 - 100.5               | 18.3 - 109.5                  | 19.7 - 117.7                  | 21.3 - 127.5               | 22.5 - 135.0               | 23.8 - 142.5                              | 25.2 - 150.7                              | 26.7 - 159.7                              | 28.0 - 168.0                              | 29.5 - 177.0                              | 30.9 - 185.2                              | 32.5 - 195.0                              | 33.8 - 202.5          |           |
| Power source                               |                    |                                 | 3-phase, 4-wire, 400V, 50Hz |                    |                    |                    |                    |                            |                            |                            |                            |                               | 3-phase, 4-wire, 400V, 50Hz   |                            |                            |                                           |                                           |                                           |                                           |                                           |                                           |                                           |                       |           |
| Capacity                                   | Cooling            | kW                              | 22.4                        | 28.0               | 33.5               | 40.0               | 45.0               | 50.4                       | 56.0                       | 61.5                       | 67.0                       | 73.0                          | 78.5                          | 85.0                       | 90.0                       | 95.0                                      | 100.5                                     | 106.5                                     | 112.0                                     | 118.0                                     | 123.5                                     | 130.0                                     | 135.0                 |           |
|                                            | Nominal Heating    |                                 | 22.4                        | 28.0               | 33.5               | 40.0               | 42.0               | 50.4                       | 56.0                       | 61.5                       | 67.0                       | 70.0                          | 75.5                          | 82.0                       | 84.0                       | 95.0                                      | 100.5                                     | 103.5                                     | 109.0                                     | 112.0                                     | 117.5                                     | 124.0                                     | 126.0                 |           |
| Input power                                | Max. Heating       | kW                              | 25.0                        | 31.5               | 37.5               | 45.0               | 48.0               | 56.5                       | 63.0                       | 69.0                       | 75.0                       | 79.5                          | 85.5                          | 93.0                       | 96.0                       | 106.5                                     | 112.5                                     | 117.0                                     | 123.0                                     | 127.5                                     | 133.5                                     | 141.0                                     | 144.0                 |           |
|                                            | Cooling            |                                 | 6.26                        | 9.53               | 11.89              | 13.16              | 16.71              | 15.79                      | 19.06                      | 21.42                      | 23.78                      | 26.24                         | 28.60                         | 29.87                      | 33.42                      | 33.31                                     | 35.67                                     | 38.13                                     | 40.49                                     | 42.95                                     | 45.31                                     | 46.58                                     | 50.13                 |           |
|                                            | Nominal Heating    |                                 | 5.37                        | 7.38               | 9.16               | 10.80              | 11.81              | 12.75                      | 14.76                      | 16.54                      | 18.32                      | 19.19                         | 20.97                         | 22.61                      | 23.62                      | 25.70                                     | 27.48                                     | 28.35                                     | 30.13                                     | 31.00                                     | 32.78                                     | 34.42                                     | 35.43                 |           |
|                                            | Max. Heating       |                                 | 6.25                        | 8.96               | 11.48              | 13.95              | 14.98              | 15.21                      | 17.92                      | 20.44                      | 22.96                      | 23.94                         | 26.46                         | 28.93                      | 29.96                      | 31.92                                     | 34.44                                     | 35.42                                     | 37.94                                     | 38.92                                     | 41.44                                     | 43.91                                     | 44.94                 |           |
| EER                                        | Cooling            | W/W                             | 3.57                        | 2.93               | 2.81               | 3.03               | 2.69               | 3.19                       | 2.94                       | 2.87                       | 2.82                       | 2.78                          | 2.74                          | 2.85                       | 2.69                       | 2.85                                      | 2.62                                      | 2.79                                      | 2.77                                      | 2.75                                      | 2.73                                      | 2.79                                      | 2.69                  |           |
| COP                                        | Nominal Heating    |                                 | 4.17                        | 3.79               | 3.65               | 3.70               | 3.55               | 3.95                       | 3.79                       | 3.72                       | 3.66                       | 3.65                          | 3.60                          | 3.63                       | 3.56                       | 3.70                                      | 3.66                                      | 3.65                                      | 3.62                                      | 3.61                                      | 3.58                                      | 3.60                                      | 3.56                  |           |
|                                            | Max. Heating       |                                 | 4.00                        | 3.51               | 3.26               | 3.22               | 3.20               | -                          | -                          | -                          | -                          | -                             | -                             | -                          | -                          | -                                         | -                                         | -                                         | -                                         | -                                         | -                                         | -                                         | -                     |           |
| SEER                                       | Cooling            |                                 | 7.15                        | 6.69               | 6.70               | 6.87               | 6.33               | 6.92                       | 6.69                       | 6.70                       | 6.70                       | 6.51                          | 6.52                          | 6.60                       | 6.33                       | 6.70                                      | 6.70                                      | 6.57                                      | 6.58                                      | 6.45                                      | 6.45                                      | 6.51                                      | 6.33                  |           |
| SCOP                                       | Heating            |                                 | 3.58                        | 3.60               | 3.65               | 3.99               | 4.07               | 3.59                       | 3.60                       | 3.63                       | 3.65                       | 3.84                          | 3.86                          | 4.03                       | 4.07                       | 3.63                                      | 3.65                                      | 3.77                                      | 3.79                                      | 3.91                                      | 3.93                                      | 4.04                                      | 4.07                  |           |
| ηc                                         | Cooling            | %                               | 283.0                       | 264.6              | 265.0              | 271.8              | 250.2              | 273.8                      | 264.6                      | 264.8                      | 265.0                      | 257.4                         | 257.6                         | 261.0                      | 250.2                      | 264.9                                     | 265.0                                     | 259.9                                     | 260.1                                     | 255.0                                     | 257.4                                     | 257.4                                     | 250.2                 |           |
| ηh                                         | Heating            |                                 | 140.2                       | 141.0              | 143.0              | 156.6              | 159.8              | 140.6                      | 141.0                      | 142.0                      | 143.0                      | 150.4                         | 151.4                         | 158.2                      | 159.8                      | 142.3                                     | 143.0                                     | 147.9                                     | 148.6                                     | 153.5                                     | 154.2                                     | 158.7                                     | 159.8                 |           |
| Air flow rate                              | High               | m³/h                            | 11,100 / 11,100             | 11,100 / 11,100    | 11,100 / 11,100    | 13,000 / 13,000    | 13,000 / 13,000    | 11,100x2 / 11,100x2        | 11,100x2 / 11,100x2        | 11,100x2 / 11,100x2        | 11,100x2 / 11,100x2        | 13,000+11,100 / 13,000+11,100 | 13,000+11,100 / 13,000+11,100 | 13,000x2 / 13,000x2        | 13,000x2 / 13,000x2        | 11,100x3 / 11,100x3                       | 11,100x3 / 11,100x3                       | 13,000+11,100x2 / 13,000+11,100x2         | 13,000+11,100x2 / 13,000+11,100x2         | 13,000x2 / 13,000x2                       | 13,000x2 / 13,000x2                       | 13,000x3 / 13,000x3                       | 13,000x3 / 13,000x3   |           |
| Sound pressure level*2/<br>Power level     | Cooling<br>Heating | dB(A)                           | 56 / 77<br>58 / 79          | 58 / 78<br>59 / 79 | 59 / 79<br>63 / 82 | 60 / 82<br>62 / 83 | 61 / 82<br>63 / 83 | 60<br>62                   | 61<br>62                   | 62<br>64                   | 62<br>66                   | 63<br>64                      | 63<br>66                      | 64<br>66                   | 64<br>66                   | 63<br>67                                  | 64<br>68                                  | 64<br>67                                  | 65<br>68                                  | 65<br>67                                  | 65<br>68                                  | 65<br>67                                  | 66<br>68              |           |
| Max. External static pressure              |                    |                                 | Pa                          | 80                 | 80                 | 80                 | 80                 | 80                         | 80                         | 80                         | 80                         | 80                            | 80                            | 80                         | 80                         | 80                                        | 80                                        | 80                                        | 80                                        | 80                                        | 80                                        | 80                                        | 80                    | 80        |
| Compressor motor output                    |                    | kW                              | 7.5                         | 7.5                | 7.5                | 11.0               | 11.0               | 7.5 × 2                    | 7.5 × 2                    | 7.5 × 2                    | 7.5 × 2                    | 11.0 + 7.5                    | 11.0 + 7.5                    | 11.0 × 2                   | 11.0 × 2                   | 7.5 × 3                                   | 7.5 × 3                                   | 11.0 + 7.5 × 2                            | 11.0 + 7.5 × 2                            | 11.0 × 2 + 7.5                            | 11.0 × 2 + 7.5                            | 11.0 × 3                                  | 11.0 × 3              |           |
| Heat exchanger fin                         |                    |                                 | Blue fin                    | Blue fin           | Blue fin           | Blue fin           | Blue fin           | Blue fin                   | Blue fin                   | Blue fin                   | Blue fin                   | Blue fin                      | Blue fin                      | Blue fin                   | Blue fin                   | Blue fin                                  | Blue fin                                  | Blue fin                                  | Blue fin                                  | Blue fin                                  | Blue fin                                  | Blue fin                                  | Blue fin              |           |
| Net Dimensions                             | Height             | mm                              | 1,690                       | 1,690              | 1,690              | 1,690              | 1,690              | 1,690x2                    | 1,690x2                    | 1,690x2                    | 1,690x2                    | 1,690x2                       | 1,690x2                       | 1,690x2                    | 1,690x2                    | 1,690x3                                   | 1,690x3                                   | 1,690x3                                   | 1,690x3                                   | 1,690x3                                   | 1,690x3                                   | 1,690x3                                   | 1,690x3               |           |
|                                            | Width              |                                 | 930                         | 930                | 930                | 1,240              | 1,240              | 930x2                      | 930x2                      | 930x2                      | 930x2                      | 1,240+930                     | 1,240+930+1,690               | 1,240x2                    | 1,240x2                    | 930x3                                     | 930x3                                     | 1,240+930x2                               | 1,240+930x2                               | 1,240x2                                   | 1,240x2                                   | 1,240x3                                   | 1,240x3               |           |
|                                            | Depth              |                                 | 765                         | 765                | 765                | 765                | 765                | 765x2                      | 765x2                      | 765x2                      | 765x2                      | 765x2                         | 765x2                         | 765x2                      | 765x2                      | 765x3                                     | 765x3                                     | 765x3                                     | 765x3                                     | 765x3                                     | 765x3                                     | 765x3                                     | 765x3                 |           |
| Weight                                     |                    | kg                              | 262                         | 262                | 262                | 286                | 286                | 262 262                    | 262 262                    | 262 262                    | 262 262                    | 286 262                       | 286 262                       | 286 286                    | 286 286                    | 262 262 262                               | 262 262 262                               | 286 262 262                               | 286 262 262                               | 286 262 262                               | 286 262 262                               | 286 262 262                               | 286 262 262           |           |
| Refrigerant                                |                    | Type (Global Warming Potential) | R410A (2,088)               | R410A (2,088)      | R410A (2,088)      | R410A (2,088)      | R410A (2,088)      | R410A (2,088)              | R410A (2,088)              | R410A (2,088)              | R410A (2,088)              | R410A (2,088)                 | R410A (2,088)                 | R410A (2,088)              | R410A (2,088)              | R410A (2,088)                             | R410A (2,088)                             | R410A (2,088)                             | R410A (2,088)                             | R410A (2,088)                             | R410A (2,088)                             | R410A (2,088)                             | R410A (2,088)         |           |
|                                            |                    | Charge                          | kg (CO2eq-T)                | 11.8 (24.638)      | 11.8 (24.638)      | 11.8 (24.638)      | 11.8 (24.638)      | 11.8 (24.638)              | 11.8 x 2 (24.638 x 2)      | 11.8 x 2 (24.638 x 2)      | 11.8 x 2 (24.638 x 2)      | 11.8 x 2 (24.638 x 2)         | 11.8 x 2 (24.638 x 2)         | 11.8 x 2 (24.638 x 2)      | 11.8 x 3 (24.638 x 3)      | 11.8 x 3 (24.638 x 3)                     | 11.8 x 3 (24.638 x 3)                     | 11.8 x 3 (24.638 x 3)                     | 11.8 x 3 (24.638 x 3)                     | 11.8 x 3 (24.638 x 3)                     | 11.8 x 3 (24.638 x 3)                     | 11.8 x 3 (24.638 x 3)                     | 11.8 x 3 (24.638 x 3) |           |
| Connection pipe diameter                   | Liquid             | mm                              | 12.70                       | 12.70              | 12.70              | 12.70              | 12.70              | 15.88                      | 15.88                      | 15.88                      | 15.88                      | 15.88                         | 15.88                         | 19.05                      | 19.05                      | 19.05                                     | 19.05                                     | 19.05                                     | 19.05                                     | 19.05                                     | 19.05                                     | 19.05                                     | 19.05                 |           |
|                                            | Discharge Gas      |                                 | 15.88                       | 19.05              | 19.05              | 22.22              | 22.22              | 22.22                      | 22.22                      | 28.58                      | 28.58                      | 28.58                         | 28.58                         | 28.58                      | 34.92                      | 34.92                                     | 34.92                                     | 34.92                                     | 34.92                                     | 34.92                                     | 34.92                                     | 34.92                                     | 34.92                 |           |
|                                            | Suction Gas        |                                 | 22.22                       | 22.22              | 28.58              | 28.58              | 28.58              | 28.58                      | 28.58                      | 34.92                      | 34.92                      | 34.92                         | 34.92                         | 34.92                      | 34.92                      | 34.92                                     | 41.27                                     | 41.27                                     | 41.27                                     | 41.27                                     | 41.27                                     | 41.27                                     | 41.27                 |           |
| Operating Range                            | Cooling            | °CDB                            | -10 to 46                   | -10 to 46          | -10 to 46          | -10 to 46          | -10 to 46          | -10 to 46                  | -10 to 46                  | -10 to 46                  | -10 to 46                  | -10 to 46                     | -10 to 46                     | -10 to 46                  | -10 to 46                  | -10 to 46                                 | -10 to 46                                 | -10 to 46                                 | -10 to 46                                 | -10 to 46                                 | -10 to 46                                 | -10 to 46                                 | -10 to 46             |           |
|                                            | Heating            |                                 | -20 to 21                   | -20 to 21          | -20 to 21          | -20 to 21          | -20 to 21          | -20 to 21                  | -20 to 21                  | -20 to 21                  | -20 to 21                  | -20 to 21                     | -20 to 21                     | -20 to 21                  | -20 to 21                  | -20 to 21                                 | -20 to 21                                 | -20 to 21                                 | -20 to 21                                 | -20 to 21                                 | -20 to 21                                 | -20 to 21                                 | -20 to 21             |           |
|                                            | Cooling/Heating    |                                 | -10 to 21                   | -10 to 21          | -10 to 21          | -10 to 21          | -10 to 21          | -10 to 21                  | -10 to 21                  | -10 to 21                  | -10 to 21                  | -10 to 21                     | -10 to 21                     | -10 to 21                  | -10 to 21                  | -10 to 21                                 | -10 to 21                                 | -10 to 21                                 | -10 to 21                                 | -10 to 21                                 | -10 to 21                                 | -10 to 21                                 | -10 to 21             | -10 to 21 |

Energy Efficiency Combination

| Rated capacity range                       |                 | HP                              | 16                          | 22                    | 24                            | 26                    | 28                    | 30                    | 32                                | 34                                | 36                          | 38                    | 40                    | 42                    | 44                    |           |  |
|--------------------------------------------|-----------------|---------------------------------|-----------------------------|-----------------------|-------------------------------|-----------------------|-----------------------|-----------------------|-----------------------------------|-----------------------------------|-----------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------|--|
| Model name                                 |                 |                                 | AJH144GALDHH                | AJH198GALDHH          | AJH216GALDHH                  | AJH234GALDHH          | AJH252GALDHH          | AJH270GALDHH          | AJH288GALDHH                      | AJH306GALDHH                      | AJH324GALDHH                | AJH342GALDHH          | AJH360GALDHH          | AJH378GALDHH          | AJH396GALDHH          |           |  |
| Unit 1                                     |                 |                                 | AJH072GALDH                 | AJH126GALDH           | AJH072GALDH                   | AJH090GALDH           | AJH090GALDH           | AJH090GALDH           | AJH126GALDH                       | AJH126GALDH                       | AJH126GALDH                 | AJH126GALDH           | AJH126GALDH           | AJH144GALDH           | AJH126GALDH           |           |  |
| Unit 2                                     |                 |                                 | AJH072GALDH                 | AJH072GALDH           | AJH072GALDH                   | AJH072GALDH           | AJH090GALDH           | AJH090GALDH           | AJH090GALDH                       | AJH090GALDH                       | AJH090GALDH                 | AJH090GALDH           | AJH090GALDH           | AJH126GALDH           | AJH126GALDH           |           |  |
| Unit 3                                     |                 |                                 |                             |                       | AJH072GALDH                   | AJH072GALDH           | AJH072GALDH           | AJH090GALDH           | AJH072GALDH                       |                                   |                             | AJH090GALDH           | AJH090GALDH           | AJH126GALDH           | AJH126GALDH           |           |  |
| Maximum connectable indoor units*1         |                 |                                 | 34                          | 47                    | 52                            | 56                    | 60                    | 64                    | 64                                | 64                                | 64                          | 64                    | 64                    | 64                    | 64                    |           |  |
| Connectable capacity range of indoor units |                 | kW                              | 11.2 - 67.2                 | 15.6 - 93.6           | 16.8 - 100.8                  | 18.2 - 109.2          | 19.6 - 117.6          | 21.0 - 126.0          | 22.6 - 135.6                      | 24.0 - 144.0                      | 25.6 - 153.6                | 27.0 - 162.0          | 28.3 - 169.5          | 30.0 - 180.0          | 31.3 - 187.5          |           |  |
| Power source                               |                 |                                 | 3-phase, 4-wire, 400V, 50Hz |                       |                               |                       |                       |                       |                                   |                                   | 3-phase, 4-wire, 400V, 50Hz |                       |                       |                       |                       |           |  |
| Capacity                                   | Cooling         | kW                              | 44.8                        | 62.4                  | 67.2                          | 72.8                  | 78.4                  | 84.0                  | 90.4                              | 96.0                              | 102.4                       | 108.0                 | 113.0                 | 120.0                 | 125.0                 |           |  |
|                                            | Nominal Heating |                                 | 44.8                        | 62.4                  | 67.2                          | 72.8                  | 78.4                  | 84.0                  | 90.4                              | 96.0                              | 102.4                       | 108.0                 | 110.0                 | 120.0                 | 122.0                 |           |  |
|                                            | Max. Heating    |                                 | 50.0                        | 70.0                  | 75.0                          | 81.5                  | 88.0                  | 94.5                  | 101.5                             | 108.0                             | 115.0                       | 121.5                 | 124.5                 | 135.0                 | 138.0                 |           |  |
| Input power                                | Cooling         | kW                              | 12.52                       | 19.42                 | 18.78                         | 22.05                 | 25.32                 | 28.59                 | 28.95                             | 32.22                             | 32.58                       | 35.85                 | 39.40                 | 39.48                 | 43.03                 |           |  |
|                                            | Nominal Heating |                                 | 10.74                       | 16.17                 | 16.11                         | 18.12                 | 20.13                 | 22.14                 | 23.55                             | 25.56                             | 26.97                       | 28.98                 | 29.99                 | 32.40                 | 33.41                 |           |  |
|                                            | Max. Heating    |                                 | 12.50                       | 20.20                 | 18.75                         | 21.46                 | 24.17                 | 26.88                 | 29.16                             | 31.87                             | 34.15                       | 36.86                 | 37.89                 | 41.85                 | 42.88                 |           |  |
| EER                                        | Cooling         | W/W                             | 3.58                        | 3.21                  | 3.58                          | 3.30                  | 3.10                  | 2.94                  | 3.12                              | 2.98                              | 3.14                        | 3.01                  | 2.87                  | 3.04                  | 2.90                  |           |  |
| COP                                        | Nominal Heating |                                 | 4.17                        | 3.86                  | 4.17                          | 4.02                  | 3.89                  | 3.79                  | 3.84                              | 3.76                              | 3.80                        | 3.73                  | 3.67                  | 3.70                  | 3.65                  |           |  |
|                                            | Max. Heating    |                                 | -                           | -                     | -                             | -                     | -                     | -                     | -                                 | -                                 | -                           | -                     | -                     | -                     | -                     |           |  |
| SEER                                       |                 | Cooling                         | 7.15                        | 7.01                  | 7.15                          | 7.00                  | 6.84                  | 6.69                  | 6.90                              | 6.75                              | 6.96                        | 6.81                  | 6.63                  | 6.87                  | 6.69                  |           |  |
| SCOP                                       |                 | Heating                         | 3.58                        | 3.79                  | 3.58                          | 3.59                  | 3.59                  | 3.60                  | 3.72                              | 3.73                              | 3.85                        | 3.86                  | 3.89                  | 3.99                  | 4.02                  |           |  |
| ηc                                         | Cooling         | %                               | 283.0                       | 277.4                 | 283.0                         | 276.9                 | 270.7                 | 264.6                 | 273.1                             | 267.0                             | 275.5                       | 269.4                 | 262.2                 | 271.8                 | 264.6                 |           |  |
| ηh                                         | Heating         |                                 | 140.2                       | 148.4                 | 140.2                         | 140.5                 | 140.7                 | 141.0                 | 145.9                             | 146.2                             | 151.1                       | 151.4                 | 152.5                 | 156.6                 | 157.7                 |           |  |
| Air flow rate                              |                 | High                            | m³/h                        | 11,100x2 / 11,100x2   | 13,000+11,100 / 13,000+11,100 | 11,100x3 / 11,100x3   | 11,100x3 / 11,100x3   | 11,100x3 / 11,100x3   | 13,000+11,100x2 / 13,000+11,100x2 | 13,000+11,100x2 / 13,000+11,100x2 | 13,000x2 / 13,000x2         | 13,000x2 / 13,000x2   | 13,000x2 / 13,000x2   | 13,000x3 / 13,000x3   | 13,000x3 / 13,000x3   |           |  |
| Sound pressure level*2/<br>Power level     | Cooling         | dB(A)                           | 59                          | 61                    | 61                            | 62                    | 62                    | 63                    | 63                                | 64                                | 64                          | 66                    | 66                    | 67                    | 65                    |           |  |
|                                            | Heating         |                                 | 61                          | 63                    | 63                            | 63                    | 63                    | 64                    | 65                                | 65                                | 66                          | 66                    | 66                    | 67                    | 67                    |           |  |
| Max. External static pressure              |                 | Pa                              | 80                          | 80                    | 80                            | 80                    | 80                    | 80                    | 80                                | 80                                | 80                          | 80                    | 80                    | 80                    | 80                    |           |  |
| Compressor motor output                    |                 | kW                              | 7.5 × 2                     | 11.0 × 7.5            | 7.5 × 3                       | 7.5 × 3               | 7.5 × 3               | 7.5 × 3               | 11.0 × 7.5 × 2                    | 11.0 × 7.5 × 2                    | 11.0 × 2 × 7.5              | 11.0 × 2 × 7.5        | 11.0 × 2 × 7.5        | 11.0 × 3              | 11.0 × 3              |           |  |
| Heat exchanger fin                         |                 |                                 | Blue fin                    | Blue fin              | Blue fin                      | Blue fin              | Blue fin              | Blue fin              | Blue fin                          | Blue fin                          | Blue fin                    | Blue fin              | Blue fin              | Blue fin              | Blue fin              |           |  |
| Net Dimensions                             | Height          | mm                              | 1,690x2                     | 1,690x2               | 1,690x3                       | 1,690x3               | 1,690x3               | 1,690x3               | 1,690x3                           | 1,690x3                           | 1,690x3                     | 1,690x3               | 1,690x3               | 1,690x3               | 1,690x3               |           |  |
|                                            | Width           |                                 | 930x2                       | 1,240+930+1,690       | 930x3                         | 930x3                 | 930x3                 | 930x3                 | 1,240+930x2                       | 1,240+930x2                       | 1,240x2                     | 1,240x2               | 1,240x3               | 1,240x3               | 1,240x3               |           |  |
|                                            | Depth           |                                 | 765x2                       | 765x2                 | 765x3                         | 765x3                 | 765x3                 | 765x3                 | 765x3                             | 765x3                             | 765x3                       | 765x3                 | 765x3                 | 765x3                 | 765x3                 |           |  |
| Weight                                     |                 | kg                              | 262 262                     | 286 262               | 262 262 262                   | 262 262 262           | 262 262 262           | 262 262 262           | 286 262 262                       | 286 262 262                       | 286 262 262                 | 286 262 262           | 286 262 262           | 286 262 286           | 286 262 286           |           |  |
| Refrigerant                                |                 | Type (Global Warming Potential) | R410A (2.088)               | R410A (2.088)         | R410A (2.088)                 | R410A (2.088)         | R410A (2.088)         | R410A (2.088)         | R410A (2.088)                     | R410A (2.088)                     | R410A (2.088)               | R410A (2.088)         | R410A (2.088)         | R410A (2.088)         | R410A (2.088)         |           |  |
| Connection pipe diameter                   | Charge          | kg (CO2eq-T)                    | 11.8 x 2 (24.638 x 2)       | 11.8 x 2 (24.638 x 2) | 11.8 x 3 (24.638 x 3)         | 11.8 x 3 (24.638 x 3) | 11.8 x 3 (24.638 x 3) | 11.8 x 3 (24.638 x 3) | 11.8 x 3 (24.638 x 3)             | 11.8 x 3 (24.638 x 3)             | 11.8 x 3 (24.638 x 3)       | 11.8 x 3 (24.638 x 3) | 11.8 x 3 (24.638 x 3) | 11.8 x 3 (24.638 x 3) | 11.8 x 3 (24.638 x 3) |           |  |
|                                            | Liquid          | mm                              | 12.70                       | 15.88                 | 15.88                         | 15.88                 | 15.88                 | 15.88                 | 19.05                             | 19.05                             | 19.05                       | 19.05                 | 19.05                 | 19.05                 | 19.05                 |           |  |
|                                            | Discharge Gas   |                                 | 22.22                       | 28.58                 | 28.58                         | 28.58                 | 28.58                 | 28.58                 | 28.58                             | 28.58                             | 28.58                       | 34.92                 | 34.92                 | 34.92                 | 34.92                 |           |  |
|                                            | Suction Gas     |                                 | 28.58                       | 34.92                 | 34.92                         | 34.92                 | 34.92                 | 34.92                 | 34.92                             | 34.92                             | 34.92                       | 41.27                 | 41.27                 | 41.27                 | 41.27                 |           |  |
| Operating Range                            | Cooling         | °CDB                            | -10 to 46                   | -10 to 46             | -10 to 46                     | -10 to 46             | -10 to 46             | -10 to 46             | -10 to 46                         | -10 to 46                         | -10 to 46                   | -10 to 46             | -10 to 46             | -10 to 46             | -10 to 46             |           |  |
|                                            | Heating         |                                 | -20 to 21                   | -20 to 21             | -20 to 21                     | -20 to 21             | -20 to 21             | -20 to 21             | -20 to 21                         | -20 to 21                         | -20 to 21                   | -20 to 21             | -20 to 21             | -20 to 21             | -20 to 21             |           |  |
|                                            | Cooling/Heating |                                 | -10 to 21                   | -10 to 21             | -10 to 21                     | -10 to 21             | -10 to 21             | -10 to 21             | -10 to 21                         | -10 to 21                         | -10 to 21                   | -10 to 21             | -10 to 21             | -10 to 21             | -10 to 21             | -10 to 21 |  |





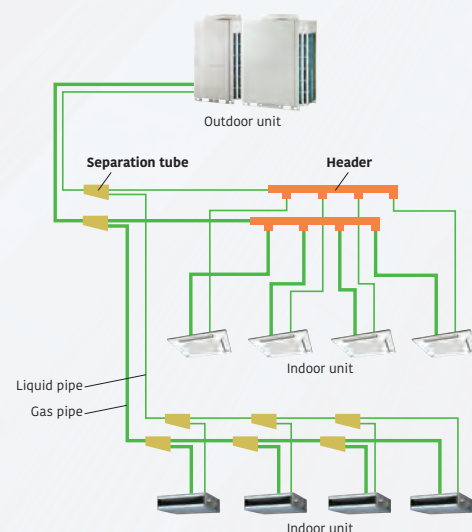
## Heat Pump

Modular type

# VRF V-IV

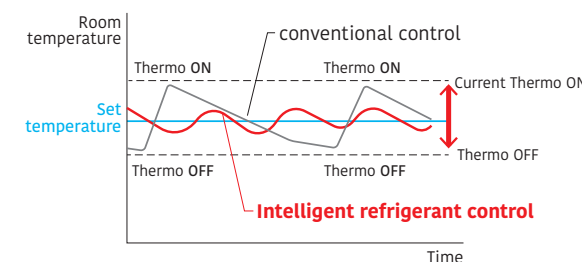
### System configuration example

- Suitable for air conditioning midsize and large buildings. Connecting each outdoor unit makes it possible to create a high-capacity system.
- Multiple indoor units are connected with separation tubes and headers.

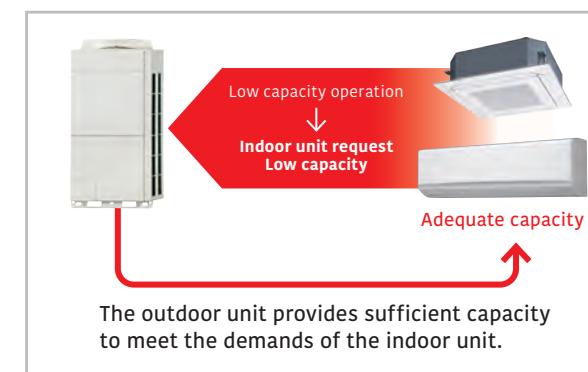


## Intelligent Refrigerant Control

General is proposing outdoor units equipped with refrigerant control function. The refrigerant control operates with suitable control corresponding to the heat load of the room and offers a more comfortable environment. The refrigerant control can also provide increased energy savings.



The thermostat is turned on and off less frequently than under conventional control to maintain the room temperature at the target temperature. Compared to conventional control, the compressor will run longer, thus saving energy.

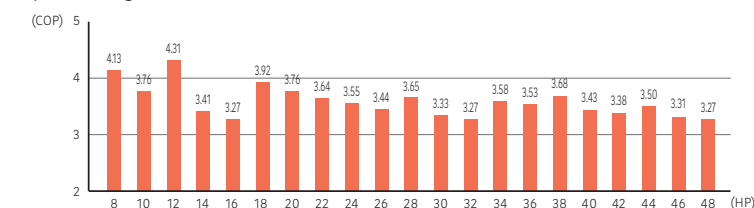


\* The improvements due to the control and the actual sine wave vary depending on the combination of the indoor unit and system operating conditions.

## Efficiency in Actual Operating Conditions

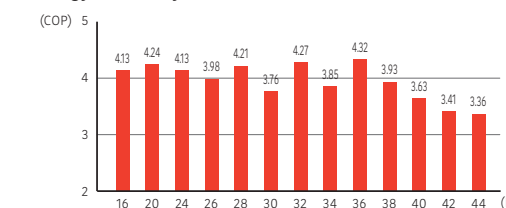
The use of our proprietary heat exchanger structure and high-efficiency DC twin-rotary compressors achieves the class-leading coefficient of performance (COP) in every combination.

Space saving combination



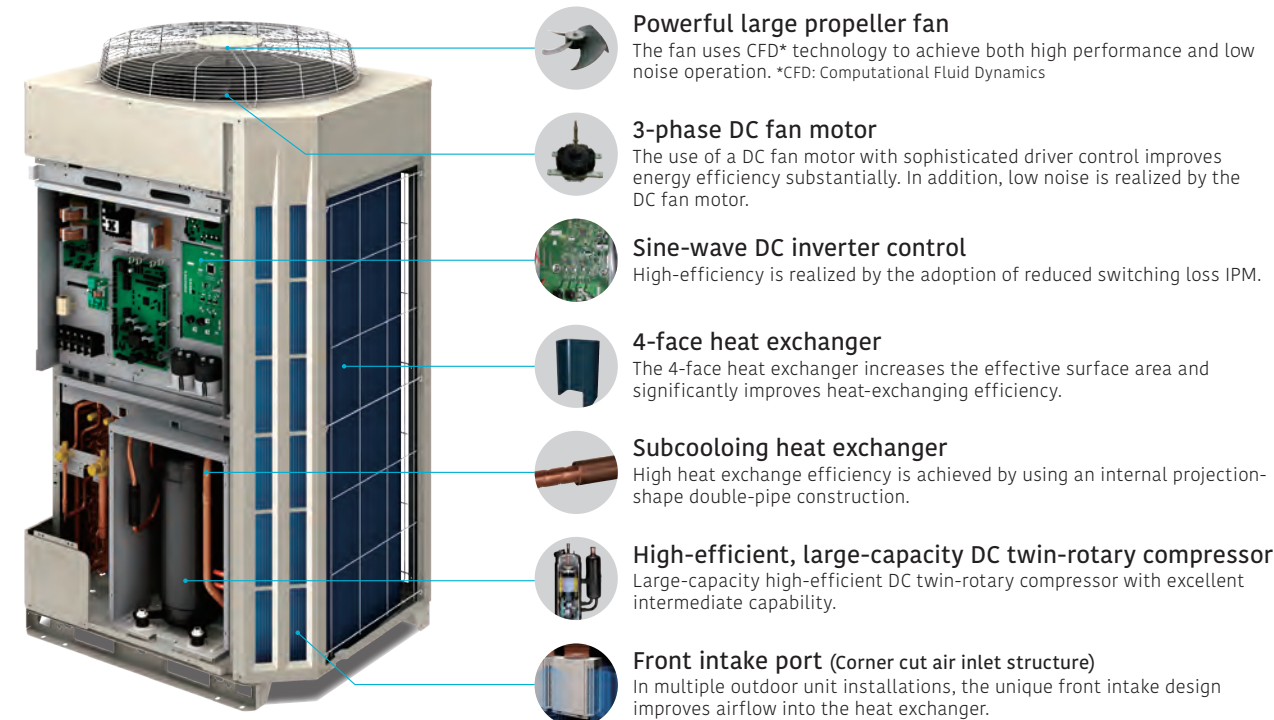
\* These specifications are determined by Cassette combination.

Energy efficiency combination



\*Multiple outdoor units are not certified by Eurovent.

## The Energy-Saving Technology that Boosted Operation Efficiency





**Outdoor units lineup** • Combinations other than those listed below are not recommended.

**Space saving combination**

|                                                                                                                                                            |                                                                                                                                                           |                                                                                                                                                           |                                                                                                                                                            |                                                                                                                                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 22.4 kW (8 HP)<br><br><b>AJH072LALDH</b><br>UNIT: AJH072LALDH             | 28.0 kW (10 HP)<br><br><b>AJH090LALDH</b><br>UNIT: AJH090LALDH           | 33.5 kW (12 HP)<br><br><b>AJH108LALDH</b><br>UNIT: AJH108LALDH           | 40.0 kW (14 HP)<br><br><b>AJH126LALDH</b><br>UNIT: AJH126LALDH            | 45.0 kW (16 HP)<br><br><b>AJH144LALDH</b><br>UNIT: AJH144LALDH           |
| 50.4 kW (18 HP)<br><br><b>AJH162LALDH</b><br>UNIT: AJH090/072LALDH        | 56.0 kW (20 HP)<br><br><b>AJH180LALDH</b><br>UNIT: AJH090/090LALDH       | 62.4 kW (22 HP)<br><br><b>AJH198LALDH</b><br>UNIT: AJH126/072LALDH       | 68.0 kW (24 HP)<br><br><b>AJH216LALDH</b><br>UNIT: AJH126/090LALDH       | 73.0 kW (26 HP)<br><br><b>AJH234LALDH</b><br>UNIT: AJH144/090LALDH       |
| 78.5 kW (28 HP)<br><br><b>AJH252LALDH</b><br>UNIT: AJH144/108LALDH        | 85.0 kW (30 HP)<br><br><b>AJH270LALDH</b><br>UNIT: AJH144/126LALDH       | 90.0 kW (32 HP)<br><br><b>AJH288LALDH</b><br>UNIT: AJH144/144LALDH       | 95.4 kW (34 HP)<br><br><b>AJH306LALDH</b><br>UNIT: AJH144/090/072LALDH   | 101.0 kW (36 HP)<br><br><b>AJH324LALDH</b><br>UNIT: AJH144/090/090LALDH  |
| 106.5 kW (38 HP)<br><br><b>AJH342LALDH</b><br>UNIT: AJH144/108/090LALDH  | 113.0 kW (40 HP)<br><br><b>AJH360LALDH</b><br>UNIT: AJH144/126/090LALDH | 118.0 kW (42 HP)<br><br><b>AJH378LALDH</b><br>UNIT: AJH144/144/090LALDH | 123.5 kW (44 HP)<br><br><b>AJH396LALDH</b><br>UNIT: AJH144/144/108LALDH | 130.0 kW (46 HP)<br><br><b>AJH414LALDH</b><br>UNIT: AJH144/144/126LALDH |
| 135.0 kW (48 HP)<br><br><b>AJH432LALDH</b><br>UNIT: AJH144/144/144LALDH |                                                                                                                                                           |                                                                                                                                                           |                                                                                                                                                            |                                                                                                                                                             |

**Energy efficiency combination**

|                                                                                                                                                             |                                                                                                                                                             |                                                                                                                                                             |                                                                                                                                                              |                                                                                                                                                               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 44.8 kW (16 HP)<br><br><b>AJH144LALDHH</b><br>UNIT: AJH072/072LALDH      | 55.9 kW (20 HP)<br><br><b>AJH180LALDHH</b><br>UNIT: AJH108/072LALDH      | 67.2 kW (24 HP)<br><br><b>AJH216LALDHH</b><br>UNIT: AJH072/072/072LALDH  | 72.8 kW (26 HP)<br><br><b>AJH234LALDHH</b><br>UNIT: AJH090/072/072LALDH   | 78.3 kW (28 HP)<br><br><b>AJH252LALDHH</b><br>UNIT: AJH108/072/072LALDH  |
| 84.8 kW (30 HP)<br><br><b>AJH270LALDHH</b><br>UNIT: AJH126/072/072LALDH  | 89.4 kW (32 HP)<br><br><b>AJH288LALDHH</b><br>UNIT: AJH108/108/072LALDH  | 95.9 kW (34 HP)<br><br><b>AJH306LALDHH</b><br>UNIT: AJH126/108/072LALDH  | 100.5 kW (36 HP)<br><br><b>AJH324LALDHH</b><br>UNIT: AJH108/108/108LALDH | 107.0 kW (38 HP)<br><br><b>AJH342LALDHH</b><br>UNIT: AJH126/108/108LALDH |
| 113.5 kW (40 HP)<br><br><b>AJH360LALDHH</b><br>UNIT: AJH126/126/108LALDH | 120.0 kW (42 HP)<br><br><b>AJH378LALDHH</b><br>UNIT: AJH126/126/126LALDH | 125.0 kW (44 HP)<br><br><b>AJH396LALDHH</b><br>UNIT: AJH144/126/126LALDH |                                                                                                                                                              |                                                                                                                                                               |

**8, 10 HP: AJH072LALDH / AJH090LALDH**  
**12, 14, 16 HP: AJH108LALDH / AJH126LALDH / AJH144LALDH**



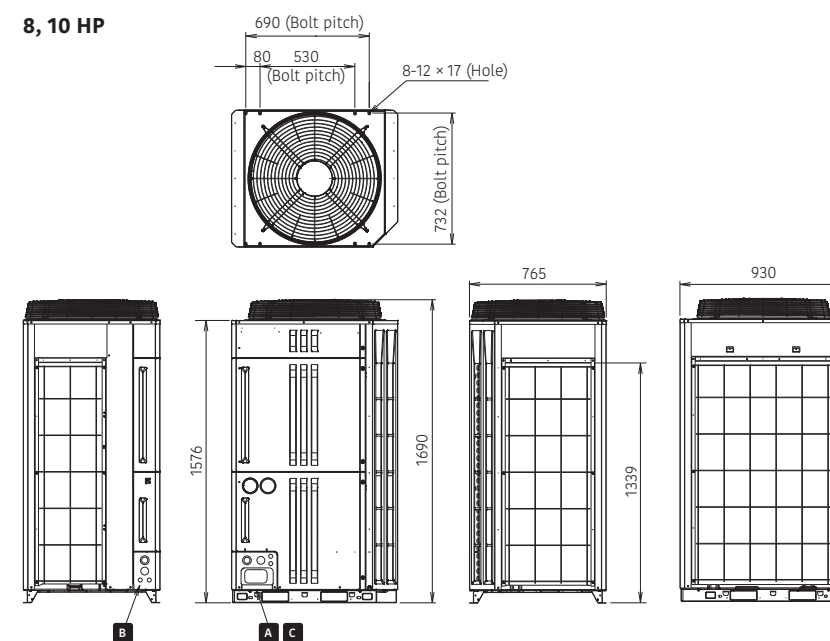
8, 10 HP

12, 14, 16 HP

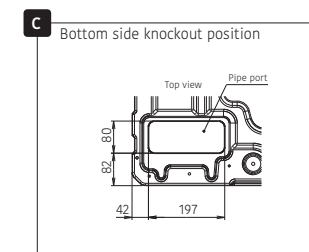
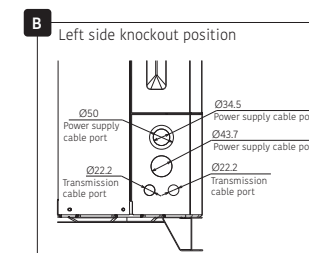
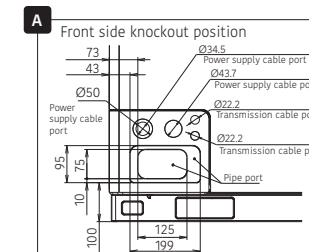
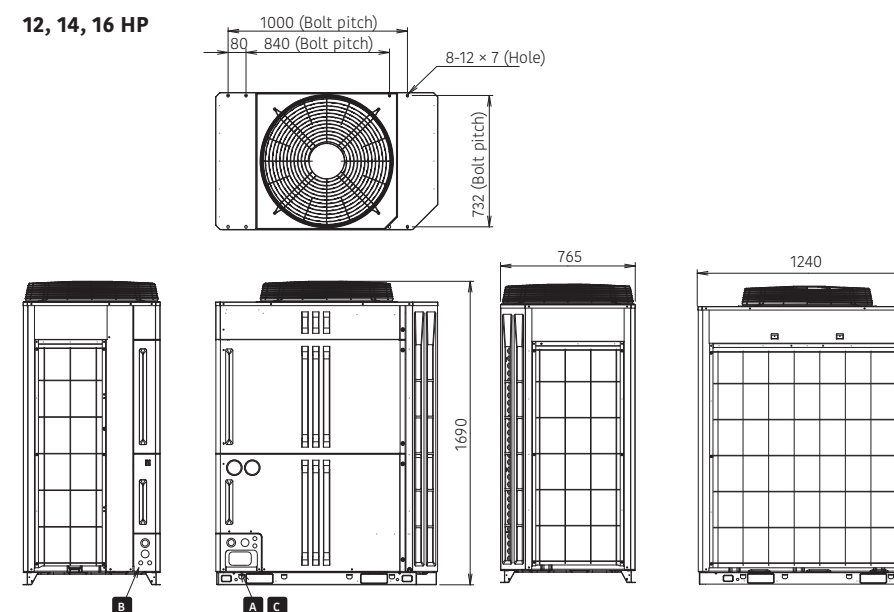
**Dimensions**

(Unit: mm)

**8, 10 HP**



**12, 14, 16 HP**





Outdoor unit specifications

Space saving combination

| Rated capacity range                       |                                 | HP           | 8                           | 10              | 12              | 14              | 16              | 18                         | 20                         | 22                            | 24                            | 26                            | 28                         | 30                            | 32                          | 34                         | 36                                        | 38                                | 40                                        | 42                                          | 44                                        | 46                                        | 48                                        |                     |                |                     |          |  |          |  |
|--------------------------------------------|---------------------------------|--------------|-----------------------------|-----------------|-----------------|-----------------|-----------------|----------------------------|----------------------------|-------------------------------|-------------------------------|-------------------------------|----------------------------|-------------------------------|-----------------------------|----------------------------|-------------------------------------------|-----------------------------------|-------------------------------------------|---------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|---------------------|----------------|---------------------|----------|--|----------|--|
| Model name                                 |                                 |              | AJH072LALDH                 | AJH090LALDH     | AJH108LALDH     | AJH126LALDH     | AJH144LALDH     | AJH162LALDH                | AJH180LALDH                | AJH198LALDH                   | AJH216LALDH                   | AJH234LALDH                   |                            | AJH252LALDH                   | AJH270LALDH                 | AJH288LALDH                | AJH306LALDH                               | AJH324LALDH                       | AJH342LALDH                               | AJH360LALDH                                 | AJH378LALDH                               | AJH396LALDH                               | AJH414LALDH                               | AJH432LALDH         |                |                     |          |  |          |  |
| Unit 1<br>Unit 2<br>Unit 3                 |                                 |              | AJH072LALDH                 | AJH090LALDH     | AJH108LALDH     | AJH126LALDH     | AJH144LALDH     | AJH162LALDH<br>AJH072LALDH | AJH090LALDH<br>AJH090LALDH | AJH126LALDH<br>AJH072LALDH    | AJH126LALDH<br>AJH090LALDH    | AJH144LALDH<br>AJH090LALDH    | AJH144LALDH<br>AJH090LALDH | AJH144LALDH<br>AJH108LALDH    | AJH126LALDH<br>AJH144LALDH  | AJH144LALDH<br>AJH144LALDH | AJH144LALDH<br>AJH090LALDH<br>AJH072LALDH | AJH144LALDH<br>AJH090LALDH        | AJH144LALDH<br>AJH108LALDH<br>AJH090LALDH | AJH126LALDH<br>AJH144LALDH<br>AJH090LALDH   | AJH144LALDH<br>AJH108LALDH<br>AJH090LALDH | AJH144LALDH<br>AJH144LALDH<br>AJH126LALDH | AJH144LALDH<br>AJH144LALDH<br>AJH144LALDH |                     |                |                     |          |  |          |  |
| Maximum connectable indoor units*1         |                                 |              | 17                          | 21              | 26              | 30              | 34              | 39                         | 43                         | 47                            | 52                            | 56                            |                            | 60                            | 64                          | 64                         | 64                                        | 64                                | 64                                        | 64                                          | 64                                        | 64                                        | 64                                        |                     |                |                     |          |  |          |  |
| Connectable capacity range of indoor units |                                 |              | kW                          | 11.2 - 33.6     | 14.0 - 42.0     | 16.8 - 50.2     | 20.0 - 60.0     | 22.5 - 67.5                | 25.2 - 75.6                | 28.0 - 84.0                   | 31.2 - 93.6                   | 34.0 - 102.0                  | 36.5 - 109.5               |                               | 39.3 - 117.7                | 42.5 - 127.5               | 45.0 - 135.0                              | 47.7 - 143.1                      | 50.5 - 151.5                              | 53.3 - 159.7                                | 56.5 - 169.5                              | 59.0 - 177.0                              | 61.8 - 185.2                              | 65.0 - 195.0        | 67.5 - 202.5   |                     |          |  |          |  |
| Power source                               |                                 |              | 3-phase, 4-wire, 400V, 50Hz |                 |                 |                 |                 |                            |                            |                               |                               |                               |                            |                               | 3-phase, 4-wire, 400V, 50Hz |                            |                                           |                                   |                                           |                                             |                                           |                                           |                                           |                     |                |                     |          |  |          |  |
| Capacity                                   | Cooling                         | kW           | 22.4                        | 28.0            | 33.5            | 40.0            | 45.0            | 50.4                       | 56.0                       | 62.4                          | 68.0                          | 73.0                          |                            | 78.5                          | 85.0                        | 90.0                       | 95.4                                      | 101.0                             | 106.5                                     | 113.0                                       | 118.0                                     | 123.5                                     | 130.0                                     | 135.0               |                |                     |          |  |          |  |
|                                            | Nominal Heating                 |              | 22.4                        | 28.0            | 33.5            | 40.0            | 45.0            | 50.4                       | 56.0                       | 62.4                          | 68.0                          | 73.0                          |                            | 78.5                          | 85.0                        | 90.0                       | 95.4                                      | 101.0                             | 106.5                                     | 113.0                                       | 118.0                                     | 123.5                                     | 130.0                                     | 135.0               |                |                     |          |  |          |  |
| Input power                                | Max. Heating                    | 25.0         | 31.5                        | 37.5            | 45.0            | 48.0            | 56.5            | 63.0                       | 70.0                       | 76.5                          | 79.5                          |                               | 85.5                       | 93.0                          | 96.0                        | 104.5                      | 111.0                                     | 117.0                             | 124.5                                     | 127.5                                       | 133.5                                     | 141.0                                     | 144.0                                     |                     |                |                     |          |  |          |  |
|                                            | Cooling                         | 5.95         | 9.06                        | 9.54            | 13.18           | 16.74           | 15.01           | 18.12                      | 19.13                      | 22.24                         | 25.80                         |                               | 26.28                      | 29.92                         | 33.48                       | 31.75                      | 34.86                                     | 35.34                             | 38.98                                     | 42.54                                       | 43.02                                     | 46.66                                     | 50.22                                     |                     |                |                     |          |  |          |  |
|                                            | Nominal Heating                 | 5.42         | 7.44                        | 7.76            | 11.74           | 13.76           | 12.86           | 14.88                      | 17.16                      | 19.18                         | 21.20                         |                               | 21.52                      | 25.50                         | 27.52                       | 26.62                      | 28.64                                     | 28.96                             | 32.94                                     | 34.96                                       | 35.28                                     | 39.26                                     | 41.28                                     |                     |                |                     |          |  |          |  |
|                                            | Max. Heating                    | 6.26         | 8.98                        | 9.48            | 14.00           | 15.02           | 15.24           | 17.96                      | 20.26                      | 22.98                         | 24.00                         |                               | 24.50                      | 29.02                         | 30.04                       | 30.26                      | 32.98                                     | 33.48                             | 38.00                                     | 39.02                                       | 39.52                                     | 44.04                                     | 45.06                                     |                     |                |                     |          |  |          |  |
| EER                                        | Cooling                         | W/W          | 3.76                        | 3.09            | 3.51            | 3.03            | 2.68            | 3.36                       | 3.09                       | 3.26                          | 3.06                          | 2.83                          |                            | 2.99                          | 2.84                        | 2.69                       | 3.00                                      | 2.90                              | 3.01                                      | 2.90                                        | 2.77                                      | 2.87                                      | 2.79                                      | 2.69                |                |                     |          |  |          |  |
| COP                                        | Nominal Heating                 |              | 4.13                        | 3.76            | 4.31            | 3.41            | 3.27            | 3.92                       | 3.76                       | 3.64                          | 3.55                          | 3.44                          |                            | 3.65                          | 3.33                        | 3.27                       | 3.58                                      | 3.53                              | 3.68                                      | 3.43                                        | 3.38                                      | 3.50                                      | 3.31                                      | 3.27                |                |                     |          |  |          |  |
|                                            | Max. Heating                    |              | 3.99                        | 3.50            | 3.95            | 3.21            | 3.19            | -                          | -                          | -                             | -                             | -                             |                            | -                             | -                           | -                          | -                                         | -                                 | -                                         | -                                           | -                                         | -                                         | -                                         | -                   |                |                     |          |  |          |  |
| SEER                                       | Cooling                         |              | 7.09                        | 6.65            | 7.33            | 6.77            | 6.23            | 6.87                       | 6.65                       | 6.93                          | 6.71                          | 6.44                          |                            | 6.78                          | 6.50                        | 6.23                       | 6.66                                      | 6.51                              | 6.74                                      | 6.55                                        | 6.37                                      | 6.60                                      | 6.41                                      | 6.23                |                |                     |          |  |          |  |
| SCOP                                       | Heating                         |              | 3.63                        | 3.64            | 3.97            | 3.86            | 3.95            | 3.64                       | 3.64                       | 3.75                          | 3.75                          | 3.80                          |                            | 3.96                          | 3.91                        | 3.95                       | 3.74                                      | 3.74                              | 3.85                                      | 3.82                                        | 3.85                                      | 3.96                                      | 3.92                                      | 3.95                |                |                     |          |  |          |  |
| ηc                                         | Cooling                         | %            | 280.6                       | 263.0           | 290.2           | 267.8           | 246.2           | 271.8                      | 263.0                      | 274.2                         | 265.4                         | 254.6                         |                            | 268.2                         | 257.0                       | 246.2                      | 263.3                                     | 257.4                             | 266.5                                     | 259.0                                       | 251.8                                     | 260.9                                     | 253.4                                     | 246.2               |                |                     |          |  |          |  |
| ηh                                         | Heating                         |              | 142.2                       | 142.6           | 155.8           | 151.4           | 155.0           | 142.4                      | 142.6                      | 146.8                         | 147.0                         | 148.8                         |                            | 155.4                         | 153.2                       | 155.0                      | 146.6                                     | 146.7                             | 151.1                                     | 149.7                                       | 150.9                                     | 155.3                                     | 153.8                                     | 155.0               |                |                     |          |  |          |  |
| Air flow rate                              | High                            | m³/h         | 11,100 / 11,100             | 11,100 / 11,100 | 13,000 / 13,000 | 13,000 / 13,000 | 13,700 / 13,700 | 11,100x2 / 11,100x2        |                            | 13,000+11,100 / 13,000+11,100 |                               | 13,700+11,100 / 13,700+11,100 |                            | 13,700+13,000 / 13,700+13,000 |                             | 13,700x2 / 13,700x2        |                                           | 13,700+11,100x2 / 13,700+11,100x2 |                                           | 13,700+13,000+11,100 / 13,700+13,000+11,100 |                                           | 13,700x2 / 13,700x2                       |                                           | 13,700x2 / 13,700x2 |                | 13,700x3 / 13,700x3 |          |  |          |  |
| Sound pressure level*2/<br>Power level     | Cooling                         | dB(A)        | 58 / 79                     | 58 / 79         | 58 / 81         | 62 / 84         | 63 / 86         | 61                         | 61                         | 63                            | 63                            | 64                            |                            | 64                            | 66                          | 66                         | 65                                        | 65                                | 66                                        | 67                                          | 67                                        | 67                                        | 67                                        | 68                  |                |                     |          |  |          |  |
|                                            | Heating                         |              | 59 / 80                     | 60 / 81         | 60 / 83         | 64 / 85         | 65 / 87         | 63                         | 63                         | 65                            | 65                            | 66                            |                            | 66                            | 68                          | 68                         | 67                                        | 67                                | 67                                        | 68                                          | 69                                        | 69                                        | 69                                        | 70                  |                |                     |          |  |          |  |
| Max. External static pressure              |                                 |              | Pa                          | 82              | 82              | 82              | 82              | 82                         | 82                         | 82                            | 82                            | 82                            |                            | 82                            | 82                          | 82                         | 82                                        | 82                                | 82                                        | 82                                          | 82                                        | 82                                        | 82                                        | 82                  |                |                     |          |  |          |  |
| Compressor motor output                    |                                 |              | kW                          | 7.5             | 7.5             | 11.0            | 11.0            | 11.0                       | 7.5 × 2                    |                               | 7.5 × 2                       |                               | 11.0 + 7.5                 |                               | 11.0 × 2                    |                            | 11.0 × 2                                  |                                   | 11.0 × 2                                  |                                             | 11.0 + 7.5 × 2                            |                                           | 11.0 × 2 + 7.5                            |                     | 11.0 × 2 + 7.5 |                     | 11.0 × 3 |  | 11.0 × 3 |  |
| Heat exchanger fin                         |                                 |              | Blue fin                    | Blue fin        | Blue fin        | Blue fin        | Blue fin        | Blue fin                   | Blue fin                   | Blue fin                      | Blue fin                      | Blue fin                      |                            | Blue fin                      | Blue fin                    | Blue fin                   | Blue fin                                  | Blue fin                          | Blue fin                                  | Blue fin                                    | Blue fin                                  | Blue fin                                  | Blue fin                                  | Blue fin            |                |                     |          |  |          |  |
| Net Dimensions                             | Height                          | mm           | 1,690                       | 1,690           | 1,690           | 1,690           | 1,690           | 1,690                      | 1,690x2                    | 1,690x2                       | 1,690x2                       | 1,690x2                       |                            | 1,690x2                       | 1,690x2                     | 1,690x2                    | 1,690x3                                   | 1,690x3                           | 1,690x3                                   | 1,690x3                                     | 1,690x3                                   | 1,690x3                                   | 1,690x3                                   | 1,690x3             |                |                     |          |  |          |  |
|                                            | Width                           |              | 930                         | 930             | 1,240           | 1,240           | 1,240           | 930x2                      | 930x2                      | 1,240+930                     | 1,240+930                     | 1,240+930                     |                            | 1,240x2                       | 1,240x2                     | 1,240x2                    | 1,240+930x2                               | 1,240+930x2                       | 1,240x2                                   | 1,240x2                                     | 1,240x2                                   | 1,240x3                                   | 1,240x3                                   | 1,240x3             |                |                     |          |  |          |  |
|                                            | Depth                           |              | 765                         | 765             | 765             | 765             | 765             | 765                        | 765x2                      | 765x2                         | 765x2                         | 765x2                         | 765x2                      |                               | 765x2                       | 765x2                      | 765x3                                     | 765x3                             | 765x3                                     | 765x3                                       | 765x3                                     | 765x3                                     | 765x3                                     | 765x3               |                |                     |          |  |          |  |
| Weight                                     |                                 |              | kg                          | 252             | 252             | 275             | 275             | 275                        | 252 252                    | 252 252                       | 275 252                       | 275 252                       | 275 252                    | 275 275                       | 275 275                     | 275 275                    | 275 252 252                               | 275 252 252                       | 275 275 252                               | 275 275 252                                 | 275 275 252                               | 275 275 275                               | 275 275 275                               | 275 275 275         |                |                     |          |  |          |  |
| Refrigerant                                | Type (Global Warming Potential) |              |                             | R410A (2,088)   | R410A (2,088)   | R410A (2,088)   | R410A (2,088)   | R410A (2,088)              | R410A (2,088)              | R410A (2,088)                 | R410A (2,088)                 | R410A (2,088)                 |                            | R410A (2,088)                 | R410A (2,088)               | R410A (2,088)              | R410A (2,088)                             | R410A (2,088)                     | R410A (2,088)                             | R410A (2,088)                               | R410A (2,088)                             | R410A (2,088)                             | R410A (2,088)                             |                     |                |                     |          |  |          |  |
|                                            | Charge                          | kg (CO2eq-T) | 11.7 (24.430)               | 11.7 (24.430)   | 11.8 (24.638)   | 11.8 (24.638)   | 11.8 (24.638)   | 11.7 x 2 (24.430 x 2)      | 11.7 x 2 (24.430 x 2)      | 11.8 + 11.7 (24.638 + 24.430) | 11.8 + 11.7 (24.638 + 24.430) | 11.8 x 2 (24.638 x 2)         |                            | 11.8 x 2 (24.638 x 2)         | 11.8 x 2 (24.638 x 2)       | 11.8 x 2 (24.638 x 2)      | 11.8 + 11.7 x 2 (24.638 + 24.430 x 2)     | 11.8 x 2 (24.638 x 2)             | 11.8 x 2 (24.638 x 2)                     | 11.8 x 2 (24.638 x 2)                       | 11.8 x 3 (24.638 x 3)                     | 11.8 x 3 (24.638 x 3)                     | 11.8 x 3 (24.638 x 3)                     |                     |                |                     |          |  |          |  |
| Connection pipe diameter                   | Liquid                          | mm           | 12.70                       | 12.70           | 12.70           | 12.70           | 12.70           | 15.88                      | 15.88                      | 15.88                         | 15.88                         | 15.88                         |                            | 15.88                         | 19.05                       | 19.05                      | 19.05                                     | 19.05                             | 19.05                                     | 19.05                                       | 19.05                                     | 19.05                                     | 19.05                                     | 19.05               |                |                     |          |  |          |  |
|                                            | Gas                             |              | 22.22                       | 22.22           | 28.58           | 28.58           | 28.58           | 28.58                      | 28.58                      | 34.92                         | 34.92                         | 34.92                         |                            | 34.92                         | 34.92                       | 34.92                      | 34.92                                     | 41.27                             | 41.27                                     | 41.27                                       | 41.27                                     | 41.27                                     | 41.27                                     | 41.27               |                |                     |          |  |          |  |
| Operating Range                            | Cooling                         | °CDB         | -15 to 46                   | -15 to 46       | -15 to 46       | -15 to 46       | -15 to 46       | -15 to 46                  | -15 to 46                  | -15 to 46                     | -15 to 46                     | -15 to 46                     |                            | -15 to 46                     | -15 to 46                   | -15 to 46                  | -15 to 46                                 | -15 to 46                         | -15 to 46                                 | -15 to 46                                   | -15 to 46                                 | -15 to 46                                 | -15 to 46                                 |                     |                |                     |          |  |          |  |
|                                            | Heating                         |              | -20 to 21                   | -20 to 21       | -20 to 21       | -20 to 21       | -20 to 21       | -20 to 21                  | -20 to 21                  | -20 to 21                     | -20 to 21                     | -20 to 21                     | -20 to 21                  |                               | -20 to 21                   | -20 to 21                  | -20 to 21                                 | -20 to 21                         | -20 to 21                                 | -20 to 21                                   | -20 to 21                                 | -20 to 21                                 | -20 to 21                                 | -20 to 21           |                |                     |          |  |          |  |

Energy Efficiency Combination

| Rated capacity range                       |                                 | HP           | 16                          | 20                            | 24                    | 26                    | 28                                    | 30                                    | 32                    | 34                    | 36                    | 38                    | 40                    | 42                    | 44                                |              |
|--------------------------------------------|---------------------------------|--------------|-----------------------------|-------------------------------|-----------------------|-----------------------|---------------------------------------|---------------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------------------|--------------|
| Model name                                 |                                 |              | AJH144LADHH                 | AJH180LADHH                   | AJH216LADHH           | AJH234LADHH           | AJH252LADHH                           | AJH270LADHH                           | AJH288LADHH           | AJH306LADHH           | AJH324LADHH           | AJH342LADHH           | AJH360LADHH           | AJH378LADHH           | AJH396LADHH                       |              |
| Unit 1                                     |                                 |              | AJH072LALDH                 | AJH108LALDH                   | AJH072LALDH           | AJH090LALDH           | AJH108LALDH                           | AJH126LALDH                           | AJH108LALDH           | AJH126LALDH           | AJH108LALDH           | AJH126LALDH           | AJH108LALDH           | AJH126LALDH           | AJH144LALDH                       |              |
| Unit 2                                     |                                 |              | AJH072LALDH                 | AJH072LALDH                   | AJH072LALDH           | AJH072LALDH           | AJH072LALDH                           | AJH072LALDH                           | AJH072LALDH           | AJH072LALDH           | AJH072LALDH           | AJH072LALDH           | AJH072LALDH           | AJH072LALDH           | AJH126LALDH                       |              |
| Unit 3                                     |                                 |              |                             |                               |                       |                       |                                       |                                       |                       |                       |                       |                       |                       | AJH126LALDH           | AJH126LALDH                       |              |
| Maximum connectable indoor units*1         |                                 |              | 34                          | 43                            | 52                    | 56                    | 60                                    | 64                                    | 64                    | 64                    | 64                    | 64                    | 64                    | 64                    | 64                                |              |
| Connectable capacity range of indoor units |                                 |              | kW                          | 22.4 - 67.2                   | 28.0 - 83.8           | 33.6 - 100.8          | 36.4 - 109.2                          | 39.2 - 117.4                          | 42.4 - 127.2          | 44.7 - 134.1          | 48.0 - 143.8          | 50.3 - 150.7          | 53.5 - 160.5          | 56.8 - 170.2          | 60.0 - 180.0                      | 62.5 - 187.5 |
| Power source                               |                                 |              | 3-phase, 4-wire, 400V, 50Hz |                               |                       |                       |                                       |                                       |                       |                       |                       |                       |                       |                       | 3-phase, 4-wire, 400V~, 50Hz      |              |
| Capacity                                   | Cooling                         | kW           | 44.8                        | 55.9                          | 67.2                  | 72.8                  | 78.3                                  | 84.8                                  | 89.4                  | 95.9                  | 100.5                 | 107.0                 | 113.5                 | 120.0                 | 125.0                             |              |
|                                            | Nominal Heating                 |              | 44.8                        | 55.9                          | 67.2                  | 72.8                  | 78.3                                  | 84.8                                  | 89.4                  | 95.9                  | 100.5                 | 107.0                 | 113.5                 | 120.0                 | 125.0                             |              |
|                                            | Max. Heating                    |              | 50.0                        | 62.5                          | 75.0                  | 81.5                  | 87.5                                  | 95.0                                  | 100.0                 | 107.5                 | 112.5                 | 120.0                 | 127.5                 | 135.0                 | 138.0                             |              |
| Input power                                | Cooling                         | kW           | 11.90                       | 15.49                         | 17.85                 | 20.96                 | 21.44                                 | 25.08                                 | 25.03                 | 28.67                 | 28.62                 | 32.26                 | 35.90                 | 39.54                 | 43.10                             |              |
|                                            | Nominal Heating                 |              | 10.84                       | 13.18                         | 16.26                 | 18.28                 | 18.60                                 | 22.58                                 | 20.94                 | 24.92                 | 23.28                 | 27.26                 | 31.24                 | 35.22                 | 37.24                             |              |
|                                            | Max. Heating                    |              | 12.52                       | 15.74                         | 18.78                 | 21.50                 | 22.00                                 | 26.52                                 | 25.22                 | 29.74                 | 28.44                 | 32.96                 | 37.48                 | 42.00                 | 43.02                             |              |
| EER                                        | Cooling                         | W/W          | 3.76                        | 3.61                          | 3.76                  | 3.47                  | 3.65                                  | 3.38                                  | 3.57                  | 3.34                  | 3.51                  | 3.32                  | 3.16                  | 3.03                  | 2.90                              |              |
| COP                                        | Nominal Heating                 |              | 4.13                        | 4.24                          | 4.13                  | 3.98                  | 4.21                                  | 3.76                                  | 4.27                  | 3.85                  | 4.32                  | 3.93                  | 3.63                  | 3.41                  | 3.36                              |              |
|                                            | Max. Heating                    |              | -                           | -                             | -                     | -                     | -                                     | -                                     | -                     | -                     | -                     | -                     | -                     | -                     | -                                 |              |
| SEER                                       | Cooling                         |              | 7.09                        | 7.21                          | 7.09                  | 6.94                  | 7.17                                  | 6.98                                  | 7.25                  | 7.06                  | 7.33                  | 7.14                  | 6.96                  | 6.77                  | 6.59                              |              |
| SCOP                                       | Heating                         |              | 3.63                        | 3.80                          | 3.63                  | 3.63                  | 3.74                                  | 3.71                                  | 3.86                  | 3.82                  | 3.97                  | 3.93                  | 3.90                  | 3.86                  | 3.89                              |              |
| ηc                                         | Cooling                         | %            | 280.6                       | 285.4                         | 280.6                 | 274.7                 | 283.8                                 | 276.3                                 | 287.0                 | 279.5                 | 290.2                 | 282.7                 | 275.3                 | 267.8                 | 260.6                             |              |
| ηh                                         | Heating                         |              | 142.2                       | 149.0                         | 142.2                 | 142.3                 | 146.7                                 | 145.3                                 | 151.3                 | 149.8                 | 155.8                 | 154.3                 | 152.9                 | 151.4                 | 152.6                             |              |
| Air flow rate                              | High                            | m³/h         | 11,100x2 / 11,100x2         | 13,000+11,100 / 13,000+11,100 | 11,100x3 / 11,100x3   | 11,100x3 / 11,100x3   | 13,000+11,100x2 / 13,000+11,100x2     | 13,000+11,100x2 / 13,000+11,100x2     | 13,000x2 / 13,000x2   | 13,000x2 / 13,000x2   | 13,000x3 / 13,000x3   | 13,000x3 / 13,000x3   | 13,000x3 / 13,000x3   | 13,000x3 / 13,000x3   | 13,700+13,000x2 / 13,700+13,000x2 |              |
| Sound pressure level*2/                    | Cooling                         | dB(A)        | 61                          | 61                            | 63                    | 63                    | 63                                    | 65                                    | 63                    | 65                    | 63                    | 65                    | 66                    | 67                    | 67                                |              |
| Power level                                | Heating                         |              | 62                          | 63                            | 64                    | 64                    | 64                                    | 66                                    | 64                    | 66                    | 65                    | 67                    | 68                    | 69                    | 69                                |              |
| Max. External static pressure              |                                 |              | Pa                          | 82                            | 82                    | 82                    | 82                                    | 82                                    | 82                    | 82                    | 82                    | 82                    | 82                    | 82                    | 82                                |              |
| Compressor motor output                    |                                 |              | kW                          | 7.5 × 2                       | 11.0 + 7.5            | 7.5 × 3               | 7.5 × 3                               | 11.0 + 7.5 × 2                        | 11.0 + 7.5 × 2        | 11.0 × 2 + 7.5        | 11.0 × 2 + 7.5        | 11.0 × 3              | 11.0 × 3              | 11.0 × 3              | 11.0 × 3                          |              |
| Heat exchanger fin                         |                                 |              | Blue fin                    | Blue fin                      | Blue fin              | Blue fin              | Blue fin                              | Blue fin                              | Blue fin              | Blue fin              | Blue fin              | Blue fin              | Blue fin              | Blue fin              | Blue fin                          |              |
| Net Dimensions                             | Height                          | mm           | 1,690x2                     | 1,690x2                       | 1,690x3               | 1,690x3               | 1,690x3                               | 1,690x3                               | 1,690x3               | 1,690x3               | 1,690x3               | 1,690x3               | 1,690x3               | 1,690x3               | 1,690x3                           |              |
|                                            | Width                           |              | 930x2                       | 1,240+930+1,690               | 930x3                 | 930x3                 | 1,240+930x2                           | 1,240+930x2                           | 1,240x2               | 1,240x2               | 1,240x3               | 1,240x3               | 1,240x3               | 1,240x3               | 1,240x3                           |              |
|                                            | Depth                           |              | 765x2                       | 765x2                         | 765x3                 | 765x3                 | 765x3                                 | 765x3                                 | 765x3                 | 765x3                 | 765x3                 | 765x3                 | 765x3                 | 765x3                 | 765x3                             |              |
| Weight                                     |                                 |              | kg                          | 252/252                       | 275/252               | 252/252/252           | 252/252/252                           | 275/252/252                           | 275/252/252           | 275/275/252           | 275/275/252           | 275/275/275           | 275/275/275           | 275/275/275           | 275/275/275                       |              |
| Refrigerant                                | Type (Global Warming Potential) |              | R410A (2.088)               | R410A (2.088)                 | R410A (2.088)         | R410A (2.088)         | R410A (2.088)                         | R410A (2.088)                         | R410A (2.088)         | R410A (2.088)         | R410A (2.088)         | R410A (2.088)         | R410A (2.088)         | R410A (2.088)         | R410A (2.088)                     |              |
|                                            | Charge                          | kg (CO2eq-t) | 11.7 x 2 (24.430 x 2)       | 11.8 + 11.7 (24.638 + 24.430) | 11.7 x 3 (24.430 x 3) | 11.7 x 3 (24.430 x 3) | 11.8 + 11.7 x 2 (24.638 + 24.430 x 2) | 11.8 + 11.7 x 2 (24.638 + 24.430 x 2) | 11.8 x 2 (24.638 x 2) | 11.8 x 2 (24.638 x 2) | 11.8 x 3 (24.638 x 3) | 11.8 x 3 (24.638 x 3) | 11.8 x 3 (24.638 x 3) | 11.8 x 3 (24.638 x 3) | 11.8 x 3 (24.638 x 3)             |              |
| Connection pipe diameter                   | Liquid                          | mm           | 12.70                       | 15.88                         | 15.88                 | 15.88                 | 15.88                                 | 19.05                                 | 19.05                 | 19.05                 | 19.05                 | 19.05                 | 19.05                 | 19.05                 | 19.05                             |              |
|                                            | Gas                             |              | 28.58                       | 28.58                         | 34.92                 | 34.92                 | 34.92                                 | 34.92                                 | 34.92                 | 34.92                 | 41.27                 | 41.27                 | 41.27                 | 41.27                 | 41.27                             |              |
| Operating Range                            | Cooling                         | °CDB         | -5 to 46                    | -5 to 46                      | -5 to 46              | -5 to 46              | -5 to 46                              | -5 to 46                              | -5 to 46              | -5 to 46              | -5 to 46              | -5 to 46              | -5 to 46              | -5 to 46              | -5 to 46                          |              |
|                                            | Heating                         |              | -20 to 21                   | -20 to 21                     | -20 to 21             | -20 to 21             | -20 to 21                             | -20 to 21                             | -20 to 21             | -20 to 21             | -20 to 21             | -20 to 21             | -20 to 21             | -20 to 21             | -20 to 21                         |              |





# VRF R410A INDOOR UNITS

5 types and 90 models available to meet the requirements of any building design.

Indoor units for the VRF Systems are compact, highly efficient, quiet, and user-friendly. General offers a variety of types and capacities for its indoor units that are easy to install and maintain. In addition, a variety of optional parts are available to provide an even more desirable air conditioning experience to users.

V-126 VRF Indoor Unit Lineup for J-IVS, J-IV, J-IVL, VR-IV, V-IV

## Cassette

- V-128 Compact type
- V-130 Circular Flow Range – Slim type
- V-132 Circular Flow Range – Large type
- V-134 1-way Flow
- V-136 3D Flow

## Duct

- V-138 Low Static Pressure Duct Mini Duct
- V-140 Low Static Pressure Duct Slim Duct/Slim Concealed Floor
- V-142 Low Static Pressure Duct
- V-144 Medium Static Pressure Duct
- V-146 High Static Pressure Duct

## Floor, Ceiling

- V-148 Compact Floor
- V-150 Floor/Ceiling
- V-152 Ceiling

## Wall-Mounted

- V-154 Wall-Mounted (EEV Internal/external)





# VRF R410A Indoor Unit Lineup for J-IVS J-IV J-IVL VR-IV V-IV

| Capacity range (kW) |                                                  |              | 1.1                                                                                                                          | 2.2            | 2.8           | 3.6           | 4.0           | 4.5           | 5.6           | 7.1           | 9.0           | 10.0          | 11.2          | 12.5          | 14.0          | 18.0          | 22.4            | 25.0            | 28.0            |
|---------------------|--------------------------------------------------|--------------|------------------------------------------------------------------------------------------------------------------------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|-----------------|-----------------|-----------------|
| Class               |                                                  |              | 4                                                                                                                            | 7              | 9             | 12            | 14            | 14            | 18            | 24            | 30            | 34            | 36            | 45            | 54            | 60            | 72              | 90              | 96              |
| Cassette            | Compact 4-way Flow                               |              |                                             | AUXB 004 GLEH  | AUXB 007 GLEH | AUXB 009 GLEH | AUXB 012 GLEH |               | AUXB 014 GLEH | AUXB 018 GLEH | AUXB 024 GLEH |               |               |               |               |               |                 |                 |                 |
|                     | Circular Flow                                    | Slim type    |                                             |                |               |               |               |               |               | AUXM 018 GLEH | AUXM 024 GLEH | AUXM 030 GLEH |               |               |               |               |                 |                 |                 |
|                     |                                                  | Large type   |                                             |                |               |               |               |               |               | AUXK 018 GLEH | AUXK 024 GLEH | AUXK 030 GLEH | AUXK 034 GLEH | AUXK 036 GLEH | AUXK 045 GLEH | AUXK 054 GLEH |                 |                 |                 |
|                     | 1-way Flow                                       |              | <br>004 - 012      014 - 024                | AUXV 004 GLEH  | AUXV 007 GLEH | AUXV 009 GLEH | AUXV 012 GLEH |               | AUXV 014 GLEH | AUXV 018 GLEH | AUXV 024 GLEH |               |               |               |               |               |                 |                 |                 |
|                     | 3D Flow                                          |              |                                             |                |               |               |               |               |               | AUXS 018 GLEH | AUXS 024 GLEH |               |               |               |               |               |                 |                 |                 |
| Duct                | Mini Duct                                        |              | <br>004 - 014      018      024             | ARXK 004 GLGH  | ARXK 007 GLGH | ARXK 009 GLGH | ARXK 012 GLGH |               | ARXK 014 GLGH | ARXK 018 GLGH | ARXK 024 GLGH |               |               |               |               |               |                 |                 |                 |
|                     | Slim Duct                                        |              | <br>04/007 - 014      018      024        | ARXD 04 GALH*2 | ARXD 007 GLEH | ARXD 009 GLEH | ARXD 012 GLEH |               | ARXD 014 GLEH | ARXD 018 GLEH | ARXD 024 GLEH |               |               |               |               |               |                 |                 |                 |
|                     | Low Static Pressure High Efficiency*3            |              |                                           |                |               |               |               |               |               | ARXP 018 GLFH |               | ARXP 030 GLFH |               |               |               |               |                 |                 |                 |
|                     | Medium static pressure                           |              |                                           |                |               |               |               |               |               |               | ARXA 024 GLEH | ARXA 030 GLEH |               | ARXA 036 GLEH | ARXA 045 GLEH |               |                 |                 |                 |
|                     | High Static Pressure                             |              | <br>036/45 - 60      072 - 090      096   |                |               |               |               |               |               |               |               |               |               | ARXC 036 GTEH | ARXC 045 GTEH |               | ARXC 060 GTEH*1 | ARXC 072 GTEH*1 | ARXC 090 GTEH*1 |
| Floor               | Standard (*Same as Ceiling models)               |              |                                           |                |               |               | ABHA 012 GTEH |               | ABHA 014 GTEH | ABHA 018 GTEH | ABHA 024 GTEH |               |               |               |               |               |                 |                 |                 |
|                     | Slim Concealed Floor (*Same as Slim Duct models) |              | <br>04/007 - 014      018      024        | ARXD 04 GALH*2 | ARXD 007 GLEH | ARXD 009 GLEH | ARXD 012 GLEH |               | ARXD 014 GLEH | ARXD 018 GLEH | ARXD 024 GLEH |               |               |               |               |               |                 |                 |                 |
|                     | Compact                                          | EEV Internal |                                           | AGHA 004 GCGH  | AGHA 007 GCGH | AGHA 009 GCGH | AGHA 012 GCGH | AGHA 014 GCGH |               |               |               |               |               |               |               |               |                 |                 |                 |
| Ceiling             |                                                  |              | <br>012 - 024      030 - 054              |                |               |               | ABHA 012 GTEH |               | ABHA 014 GTEH | ABHA 018 GTEH | ABHA 024 GTEH | ABHA 030 GTEH |               | ABHA 036 GTEH | ABHA 045 GTEH | ABHA 054 GTEH |                 |                 |                 |
| Wall-Mounted        | EEV Internal                                     |              | <br>004 - 014      18 - 24      030 - 034 | ASHA 004 GCGH  | ASHA 007 GCGH | ASHA 009 GCGH | ASHA 012 GCGH | ASHA 014 GCGH |               | ASHA 18 GBCH  | ASHA 24 GBCH  | ASHA 030 GTEH | ASHA 034 GTEH |               |               |               |                 |                 |                 |
|                     | EEV External                                     |              | <br>004 - 014                             | ASHE 004 GCEH  | ASHE 007 GCEH | ASHE 009 GCEH | ASHE 012 GCEH | ASHE 014 GCEH |               |               |               |               |               |               |               |               |                 |                 |                 |
|                     |                                                  |              | This model requires the EV Kit to be connected.                                                                              |                |               |               |               |               |               |               |               |               |               |               |               |               |                 |                 |                 |

\*1: ARXC060/072/090/096G cannot be connected to J-IVS/J-IV series.

\*2: ARXD04GALH cannot be connected to J-IVS/J-IV/J-IVL/VR-IV series.

\*3: Production by order

Specifications and design are subject to change without notice.



Cassette  
Compact 4-way Flow



Model: AUXB004GLEH / AUXB007GLEH / AUXB009GLEH  
AUXB012GLEH / AUXB014GLEH / AUXB018GLEH  
AUXB024GLEH



Specifications

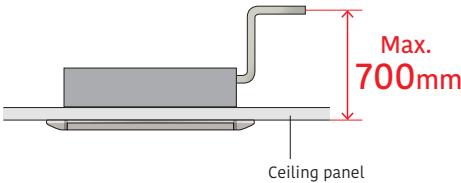
| Model name                      |                            |                       | AUXB004GLEH                   | AUXB007GLEH     | AUXB009GLEH     | AUXB012GLEH     | AUXB014GLEH     | AUXB018GLEH     | AUXB024GLEH     |
|---------------------------------|----------------------------|-----------------------|-------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Power source                    |                            |                       | Single phase, 220-240V~, 50Hz |                 |                 |                 |                 |                 |                 |
| Capacity                        | Cooling                    | kW                    | 1.1                           | 2.2             | 2.8             | 3.6             | 4.5             | 5.6             | 7.1             |
|                                 | Heating                    |                       | 1.3                           | 2.8             | 3.2             | 4.1             | 5.0             | 6.3             | 8.0             |
| Input power                     |                            | W                     | 23                            | 25              | 25              | 29              | 35              | 36              | 84              |
| Airflow rate                    | High                       | m³/h                  | 530/530                       | 540             | 550             | 600             | 680             | 710             | 1,030           |
|                                 | Med-High                   |                       | 490/480                       | 500             | 520             | 560             | 620             | 660             | 910             |
|                                 | Med                        |                       | 450/430                       | 460             | 480             | 520             | 560             | 590             | 790             |
|                                 | Med-Low                    |                       | 420/380                       | 420             | 440             | 480             | 500             | 520             | 680             |
|                                 | Low                        |                       | 390/340                       | 390             | 400             | 430             | 440             | 460             | 560             |
|                                 | Quiet                      |                       | 350/300                       | 350             | 350             | 390             | 390             | 400             | 450             |
| Sound pressure level            | High                       | dB(A)                 | 34/34                         | 34              | 35              | 37              | 38              | 41              | 50              |
|                                 | Med-High                   |                       | 32/31                         | 32              | 33              | 34              | 37              | 39              | 46              |
|                                 | Med                        |                       | 30/29                         | 30              | 31              | 33              | 34              | 36              | 43              |
|                                 | Med-Low                    |                       | 28/26                         | 28              | 29              | 31              | 32              | 33              | 39              |
|                                 | Low                        |                       | 27/24                         | 27              | 27              | 29              | 30              | 30              | 35              |
|                                 | Quiet                      |                       | 25/21                         | 25              | 25              | 27              | 27              | 27              | 30              |
| Net Dimensions (H × W × D)      |                            | mm                    | 245 × 570 × 570               | 245 × 570 × 570 | 245 × 570 × 570 | 245 × 570 × 570 | 245 × 570 × 570 | 245 × 570 × 570 | 245 × 570 × 570 |
| Weight                          |                            | kg                    | 14.5                          | 15              | 15              | 15              | 15              | 17              | 17              |
| Connection pipe diameter        | Liquid (Flare)             | mm                    | 6.35                          | 6.35            | 6.35            | 6.35            | 6.35            | 6.35            | 9.52            |
|                                 | Gas (Flare)                |                       | 9.52                          | 9.52            | 9.52            | 12.70           | 12.70           | 12.70           | 15.88           |
| Drain Hose Diameter (I.D./O.D.) |                            |                       | 25/32                         |                 |                 |                 |                 |                 |                 |
| Cassette Grille                 | Model name                 | UTG-UFGE-W/UTG-UFGC-W |                               |                 |                 |                 |                 |                 |                 |
|                                 | Net Dimensions (H × W × D) | mm                    | 49 × 620 × 620/50 × 700 × 700 |                 |                 |                 |                 |                 |                 |
|                                 | Weight                     | kg                    | 2.3/2.6                       |                 |                 |                 |                 |                 |                 |

Note: Specifications are subject to the following conditions:  
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.  
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.  
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m. Voltage: 230 [V]  
\*1: This value is under cooling operation.

Optional parts

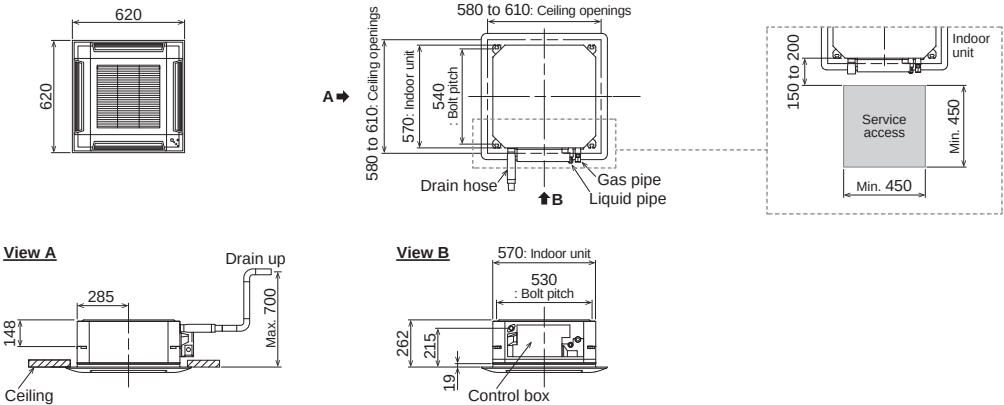
\*For more details, please refer to the chapter "Control System List" and "Optional Parts List."

|                                   |          |                             |                              |
|-----------------------------------|----------|-----------------------------|------------------------------|
| Air Outlet Shutter Plate:         | UTR-YDZB | Cassette Grille:            | UTG-UFGC-W, UTG-UFGE-W       |
| Fresh Air Intake Kit:             | UTZ-VXAA | External power supply unit: | UTZ-GXXA, UTZ-GXXC, UTZ-GXXD |
| Insulation Kit for high humidity: | UTZ-KXGC |                             |                              |
| Silver Ion Filter:                | UTD-HFAA | Remote Sensor Kit:          | UTY-XSZX21                   |



Dimensions

(Unit: mm)



Easy Maintenance

You can access the unit for maintenance just by removing a ceiling panel right next to the grille. As no inspection hole needs to be cut through the ceiling, no additional construction cost is incurred.



The air inlet grille can be installed to open in any direction for easy maintenance.



Flexible Maintenance

The unit fits nicely into the decor of a grid type ceiling and can be installed near a lighting or a ventilation opening.



High Ceiling Mode

The cassette can be installed up to a height of 3.0 m. (012/014/018/024).

| Model code | Maximum height from floor to ceiling (m) |                   |
|------------|------------------------------------------|-------------------|
|            | Standard mode                            | High ceiling mode |
| 004        | 2.7                                      | —                 |
| 007        | 2.7                                      | —                 |
| 009        | 2.7                                      | —                 |
| 012        | 2.7                                      | 3.0               |
| 014        | 2.7                                      | 3.0               |
| 018        | 2.7                                      | 3.0               |
| 024        | 2.7                                      | 3.0               |



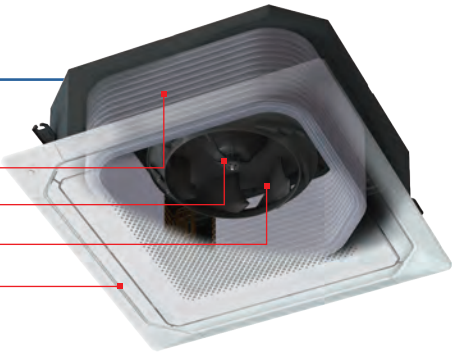
Cassette  
Circular Flow  
Slim



Unique Circular Flow Design

This Cassette type air conditioner is equipped with a high performance DC fan motor, a turbo fan, and a louver to propel powerful airflows in all directions.

- Ø7 mm high-density heat exchanger
- DC fan motor
- High-efficiency turbo fan
- Seamless airflow louver



Uniform Temperature Air Conditioning

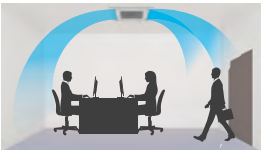
Achieve a comfortable air conditioning spread to every corner of the room thanks to the circular flow and wide vertical airflow.



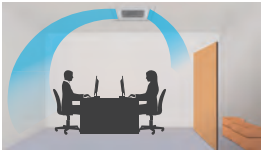
Individual Louver Control

Each louver can be set individually by the Touch panel wired remote controller so the user can enjoy the comfort of different directional airflows according to the room layout.

\* UTY-RNRGZ6 / UTY-DCGGZ4 / UTY-RVRG only



Comfortable air conditioning by preventing direct blowing of cold air and by providing swinging air flow simultaneously.



Provides efficient air conditioning based on the room layout

The Occupancy Sensor Contributes to Further Energy Savings

Energy saving operation starts automatically by detecting the motion of a person. Two modes of save operation mode and stop mode can be selected.

\* UTY-RNRGZ6 / UTY-DCGGZ4 / UTY-RVRG only



Occupancy sensor (Optional)

2 modes are available to choose from:

- Auto economy mode** The air conditioner switches to operate on reduced power when it detects that the room is unoccupied.
- Auto-off mode** The air conditioner stops operating when it detects that the room is unoccupied.

Model: AUXM018GLEH / AUXM024GLEH / AUXM030GLEH



Specifications

| Model name                      |                        |       | AUXM018GLEH                   | AUXM024GLEH | AUXM030GLEH |
|---------------------------------|------------------------|-------|-------------------------------|-------------|-------------|
| Power source                    |                        |       | Single phase, 220-240V~, 50Hz |             |             |
| Capacity                        | Cooling                | kW    | 5.6                           | 7.1         | 9.0         |
|                                 | Heating                |       | 6.3                           | 8.0         | 10.0        |
| Input power                     |                        | W     | 20                            | 25          | 49          |
| Airflow rate                    | High                   | m³/h  | 1,050                         | 1,120       | 1,470       |
|                                 | Med-High               |       | 930                           | 1,050       | 1,160       |
|                                 | Med                    |       | 900                           | 930         | 1,070       |
|                                 | Med-Low                |       | 870                           | 900         | 930         |
|                                 | Low                    |       | 810                           | 870         | 900         |
|                                 | Quiet                  |       | 780                           | 780         | 780         |
| Sound pressure level            | High                   | dB(A) | 33                            | 35          | 40          |
|                                 | Med-High               |       | 32                            | 33          | 36          |
|                                 | Med                    |       | 31                            | 32          | 34          |
|                                 | Med-Low                |       | 30                            | 31          | 32          |
|                                 | Low                    |       | 29                            | 30          | 31          |
|                                 | Quiet                  |       | 28                            | 28          | 28          |
| Dimensions (H × W × D)          |                        | mm    | 246 × 840 × 840               |             |             |
| Weight                          |                        | kg    | 24.0                          | 24.5        | 24.5        |
| Connection pipe diameter        | Liquid (Flare)         | mm    | 6.35                          | 9.52        | 9.52        |
|                                 | Gas (Flare)            |       | 12.70                         | 15.88       | 15.88       |
| Drain Hose Diameter (I.D./O.D.) |                        |       | 25/32                         |             |             |
| Cassette Grille                 | Model name             |       | UTG-UKGC-W/UTG-UKGA-B         |             |             |
|                                 | Dimensions (H × W × D) | mm    | 53 × 950 × 950                |             |             |
|                                 | Weight                 | kg    | 6.0                           |             |             |

Note: Specifications are subject to the following conditions:  
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.  
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.  
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m. Voltage: 230 [V].  
When AUX\*018GLEH is connected to an outdoor unit other than one of the J-IVL series, the pipe diameter should be Ø9.52/Ø15.88 mm (Liquid/Gas).  
When connecting AUXK036GLEH, AUXK045GLEH, and AUXK054GLEH to an outdoor unit other than the outdoor unit of the J-IVL series, the gas pipe diameter should be Ø19.05 mm.

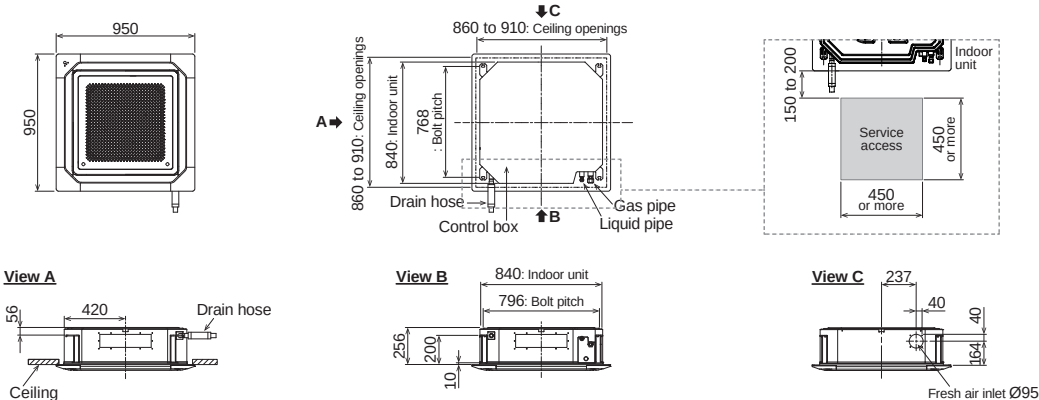
Optional parts

\*For more details, please refer to the chapter "Control System List" and "Optional Parts List."

|                                 |                                            |                                                          |
|---------------------------------|--------------------------------------------|----------------------------------------------------------|
| Occupancy Sensor Kit: UTY-SHZXC | Air Outlet Shutter Plate: UTR-YDZK         | Silver Ion Filter: UTD-HFRA                              |
| Wide Panel: UTG-AKXA-W          | Insulation Kit for high humidity: UTZ-KXRA | Remote Sensor Kit: UTY-XSZXZ1                            |
| Panel Spacer: UTG-BKXA-W        | Cassette Grille: UTG-UKGC-W, UTG-UKGA-B    | External power supply unit: UTZ-GXXA, UTZ-GXXC, UTZ-GXXD |
| Fresh Air Intake Kit: UTY-VXRA  |                                            |                                                          |

Dimensions

(Unit: mm)





Cassette  
Circular Flow  
Large



Model: AUXK018GLEH / AUXK024GLEH / AUXK030GLEH  
AUXK034GLEH / AUXK036GLEH / AUXK045GLEH  
AUXK054GLEH



Specifications

| Model name                      |                        |       | AUXK018GLEH                   | AUXK024GLEH | AUXK030GLEH | AUXK034GLEH | AUXK036GLEH | AUXK045GLEH | AUXK054GLEH |
|---------------------------------|------------------------|-------|-------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Power source                    |                        |       | Single phase, 220-240V~, 50Hz |             |             |             |             |             |             |
| Capacity                        | Cooling                | kW    | 5.6                           | 7.1         | 9.0         | 10.0        | 11.2        | 12.5        | 14.0        |
|                                 | Heating                |       | 6.3                           | 8.0         | 10.0        | 11.2        | 12.5        | 14.0        | 16.0        |
| Input power                     |                        | W     | 40                            | 40          | 47          | 47          | 61          | 89          | 116         |
| Airflow rate                    | High                   | m³/h  | 1,420                         | 1,420       | 1,440       | 1,440       | 1,620       | 1,820       | 2,040       |
|                                 | Med-High               |       | 1,360                         | 1,360       | 1,400       | 1,400       | 1,500       | 1,590       | 1,800       |
|                                 | Med                    |       | 1,300                         | 1,300       | 1,340       | 1,340       | 1,400       | 1,500       | 1,590       |
|                                 | Med-Low                |       | 1,270                         | 1,270       | 1,300       | 1,300       | 1,340       | 1,400       | 1,440       |
|                                 | Low                    |       | 1,200                         | 1,200       | 1,280       | 1,280       | 1,280       | 1,300       | 1,300       |
| Sound pressure level            | Quiet                  | dB(A) | 1,150                         | 1,150       | 1,150       | 1,150       | 1,150       | 1,150       | 1,150       |
|                                 | High                   |       | 38                            | 38          | 39          | 39          | 41          | 44          | 47          |
|                                 | Med-High               |       | 37                            | 37          | 38          | 38          | 40          | 42          | 45          |
|                                 | Med                    |       | 36                            | 36          | 37          | 37          | 38          | 40          | 42          |
|                                 | Med-Low                |       | 35                            | 35          | 36          | 36          | 37          | 38          | 39          |
|                                 | Low                    |       | 34                            | 34          | 35          | 35          | 36          | 36          | 36          |
|                                 | Quiet                  |       | 33                            | 33          | 33          | 33          | 33          | 33          | 33          |
| Dimensions (H × W × D)          |                        | mm    | 288 × 840 × 840               |             |             |             |             |             |             |
| Weight                          |                        | kg    | 26.5                          | 26.5        | 29.5        | 29.5        | 29.5        | 29.5        | 29.5        |
| Connection pipe diameter        | Liquid (Flare)         | mm    | 6.35                          | 9.52        | 9.52        | 9.52        | 9.52        | 9.52        | 9.52        |
|                                 | Gas (Flare)            |       | 12.70                         | 15.88       | 15.88       | 15.88       | 15.88       | 15.88       | 15.88       |
| Drain Hose Diameter (I.D./O.D.) |                        |       | 25/32                         |             |             |             |             |             |             |
| Cassette Grille                 | Model name             |       | UTG-UKGC-W/UTG-UKGA-B         |             |             |             |             |             |             |
|                                 | Dimensions (H × W × D) | mm    | 53 × 950 × 950                |             |             |             |             |             |             |
|                                 | Weight                 | kg    | 6.0                           |             |             |             |             |             |             |

Note: Specifications are subject to the following conditions:  
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.  
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.  
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m. Voltage: 230 [V].  
When AUX\*018GLEH is connected to an outdoor unit other than one of the J-IVL series, the pipe diameter should be Ø9.52/Ø15.88 mm (Liquid/Gas).  
When connecting AUXK036GLEH, AUXK045GLEH, and AUXK054GLEH to an outdoor unit other than the outdoor unit of the J-IVL series, the gas pipe diameter should be Ø19.05 mm.

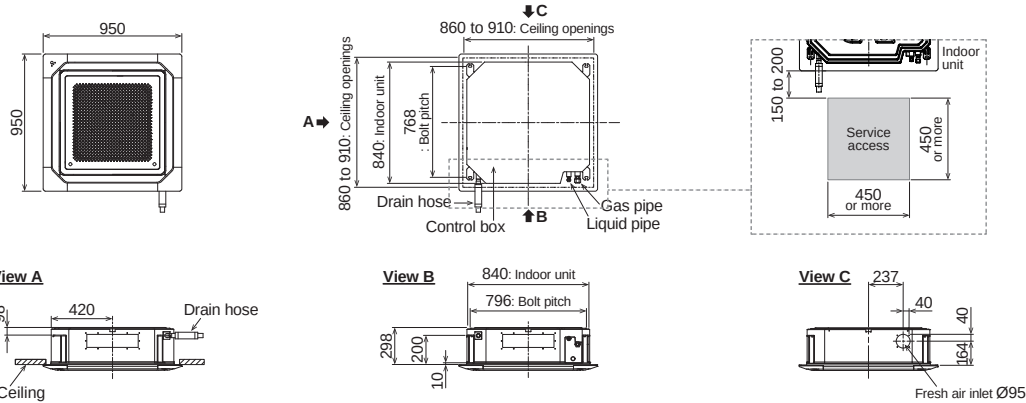
Optional parts

\*For more details, please refer to the chapter "Control System List" and "Optional Parts List."

|                                 |                                            |                                                          |
|---------------------------------|--------------------------------------------|----------------------------------------------------------|
| Occupancy Sensor Kit: UTY-SHZXC | Air Outlet Shutter Plate: UTR-YDZK         | Silver Ion Filter: UTD-HFRA                              |
| Wide Panel: UTG-AKXA-W          | Insulation Kit for high humidity: UTZ-KXRA | Remote Sensor Kit: UTY-XSZXZ1                            |
| Panel Spacer: UTG-BKXA-W        | Cassette Grille: UTG-UKGC-W, UTG-UKGA-B    | External power supply unit: UTZ-GXXA, UTZ-GXXC, UTZ-GXXD |
| Fresh Air Intake Kit: UTZ-VXRA  |                                            |                                                          |

Dimensions

(Unit: mm)



Unique Circular Flow Design

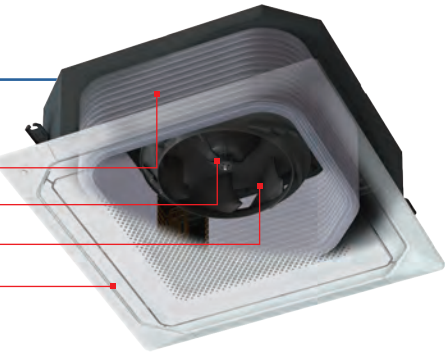
This Cassette type air conditioner is equipped with a high performance DC fan motor, a turbo fan, and a louver to propel powerful airflows in all directions.

Ø7 mm high-density heat exchanger

DC fan motor

High-efficiency turbo fan

Seamless airflow louver



Uniform Temperature Air Conditioning

Achieve a comfortable air conditioning spread to every corner of the room thanks to the circular flow and wide vertical airflow.



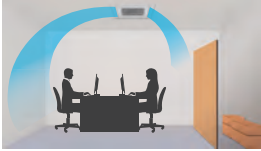
Individual Louver Control

Each louver can be set individually by the Touch panel wired remote controller so the user can enjoy the comfort of different directional airflows according to the room layout.

\* UTY-RNRGZ6 / UTY-DCGGZ4 / UTY-RVRG only



Comfortable air conditioning by preventing direct blowing of cold air and by providing swinging air flow simultaneously.



Provides efficient air conditioning based on the room layout

The Occupancy Sensor Contributes to Further Energy Savings

Energy saving operation starts automatically by detecting the motion of a person. Two modes of save operation mode and stop mode can be selected.

\* UTY-RNRGZ6 / UTY-DCGGZ4 / UTY-RVRG only



Occupancy sensor (Optional)

2 modes are available to choose from:

|                   |                                                                                                       |
|-------------------|-------------------------------------------------------------------------------------------------------|
| Auto economy mode | The air conditioner switches to operate on reduced power when it detects that the room is unoccupied. |
| Auto-off mode     | The air conditioner stops operating when it detects that the room is unoccupied.                      |



Cassette  
1-way Flow



Model: AUXV004GLEH / AUXV007GLEH / AUXV009GLEH  
AUXV012GLEH / AUXV014GLEH / AUXV018GLEH  
AUXV024GLEH



AUXV004/007/009/012GLEH



AUXV014/018/024GLEH

Specifications

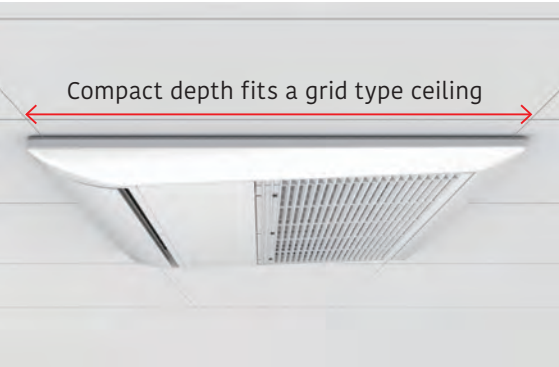
| Model name                      |                            |       | AUXV004GLEH                   | AUXV007GLEH     | AUXV009GLEH     | AUXV012GLEH     | AUXV014GLEH       | AUXV018GLEH       | AUXV024GLEH       |
|---------------------------------|----------------------------|-------|-------------------------------|-----------------|-----------------|-----------------|-------------------|-------------------|-------------------|
| Power source                    |                            |       | Single phase, 220-240V~, 50Hz |                 |                 |                 |                   |                   |                   |
| Capacity                        | Cooling                    | kW    | 1.1                           | 2.2             | 2.8             | 3.6             | 4.5               | 5.6               | 7.1               |
|                                 | Heating                    |       | 1.3                           | 2.8             | 3.2             | 4.0             | 5.0               | 6.3               | 8.0               |
| Input power                     |                            | W     | 30/30                         | 42/42           | 42/42           | 60/60           | 38/38             | 56/56             | 99/99             |
| Airflow rate*                   | High                       | m³/h  | 460                           | 550             | 550             | 670             | 720               | 890               | 1,150             |
|                                 | Med-High                   |       | 440                           | 440             | 440             | 520             | 660               | 840               | 1,020             |
|                                 | Med                        |       | 420                           | 420             | 420             | 480             | 630               | 770               | 940               |
|                                 | Med-Low                    |       | 400                           | 400             | 400             | 450             | 600               | 710               | 790               |
|                                 | Low                        |       | 380                           | 380             | 380             | 410             | 580               | 660               | 700               |
|                                 | Quiet                      |       | 360                           | 360             | 360             | 360             | 550               | 580               | 610               |
| Sound pressure level*           | High                       | dB(A) | 38                            | 42              | 42              | 45              | 37                | 44                | 49                |
|                                 | Med-High                   |       | 37                            | 37              | 37              | 41              | 36                | 43                | 47                |
|                                 | Med                        |       | 36                            | 36              | 36              | 39              | 35                | 40                | 45                |
|                                 | Med-Low                    |       | 35                            | 35              | 35              | 38              | 34                | 38                | 42                |
|                                 | Low                        |       | 33                            | 33              | 33              | 36              | 33                | 36                | 39                |
|                                 | Quiet                      |       | 32                            | 32              | 32              | 32              | 32                | 34                | 36                |
| Net Dimensions (H × W × D)      |                            | mm    | 198 × 785 × 570               | 198 × 785 × 570 | 198 × 785 × 570 | 198 × 785 × 570 | 198 × 1,190 × 570 | 198 × 1,190 × 570 | 198 × 1,190 × 570 |
| Weight                          |                            | kg    | 18                            | 19              | 19              | 19              | 26                | 26                | 27                |
| Connection pipe diameter        | Liquid (Flare)             | mm    | 6.35                          | 6.35            | 6.35            | 6.35            | 6.35              | 6.35              | 9.52              |
|                                 | Gas (Flare)                |       | 9.52                          | 9.52            | 9.52            | 12.70           | 12.70             | 12.70             | 15.88             |
| Drain Hose Diameter (I.D./O.D.) |                            |       | 25/32                         |                 |                 |                 |                   |                   |                   |
| Cassette Grille                 | Model name                 |       | UTG-UNGA-W                    |                 |                 |                 | UTG-UNGB-W        |                   |                   |
|                                 | Net Dimensions (H × W × D) |       | 43 × 950 × 620                |                 |                 |                 | 43 × 1,360 × 620  |                   |                   |
|                                 | Weight                     |       | 6.5                           |                 |                 |                 | 8.5               |                   |                   |

Note: Specifications are subject to the following conditions:  
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.  
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.  
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m. Voltage: 230 [V]

Compact Chassis Size

The compact size allows easy installation in a variety of commercial facilities and environments.

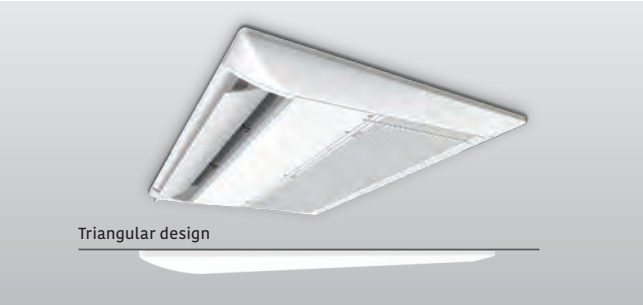
- The height of the chassis is less than 200 mm for all models.
- All 4 to 12 kBTu models are less than 1,000 mm wide.
- The depth of the chassis is 570 mm, which fits nicely into a grid type ceiling.



| Dimensions (Panel size) |   |           |   |    | (Unit: mm) |               |    |
|-------------------------|---|-----------|---|----|------------|---------------|----|
|                         | 4 | 7         | 9 | 12 | 14         | 18            | 24 |
| H                       |   | 198 (43)  |   |    |            | 198 (43)      |    |
| W                       |   | 785 (950) |   |    |            | 1,190 (1,360) |    |
| D                       |   | 570 (620) |   |    |            | 570 (620)     |    |

Wide Airflow Range

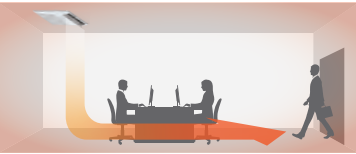
A large flap with a wide range of movements, equipped with louvers arranged triangularly, sends air into every corner of the room.



In cooling mode, the left/ right airflow reaches every corner of the room without directly touching the human body to provide comfortable air conditioning.



In heating mode, warm air is directed downward toward the floor to warm the feet and lower body, while the head is kept relatively cool.



Note: This is a conceptual drawing. The performance of an air conditioner may vary depending on where it is installed, the size of the room, and its distance from the wall.

Quiet Mode

The low operating noise makes the model ideal for use in hotel rooms.



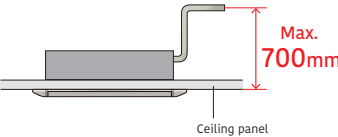
Optional parts

\*For more details, please refer to the chapter "Control System List" and "Optional Parts List."

Cassette Grille: UTG-UNGA-W (004-012), UTG-UNGB-W (014-024)  
External power supply unit: UTZ-GXXA, UTZ-GXXC, UTZ-GXXD  
Remote sensor kit: UTY-XSZXZ1

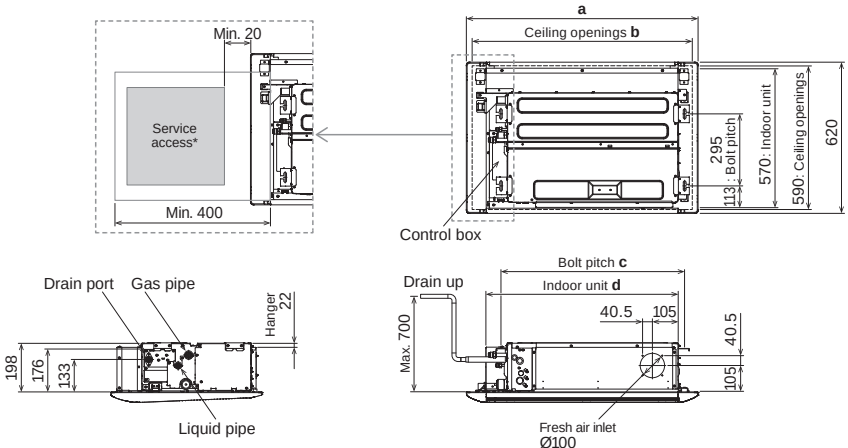
Flexible Installation

The L-shaped pipe kit allows for more flexible installation. Equipped with a built-in drain pump as standard, which enables a maximum pipe height difference of 700 m from the ceiling.



Dimensions

(Unit: mm)



|   | AUXV<br>004 / 007 / 009 / 012<br>GLEH | AUXV<br>014 / 018 / 024<br>GLEH |
|---|---------------------------------------|---------------------------------|
| a | 950                                   | 1,360                           |
| b | 920                                   | 1,330                           |
| c | 752                                   | 1,152                           |
| d | 785                                   | 1,190                           |

\*The design of the service access depends on the installation method. Refer to the installation manual for more information.



Cassette  
3D Flow



Model: AUXS018GLEH / AUXS024GLEH



Specifications

| Model name                      |                            |       | AUXS018GLEH                   | AUXS024GLEH       |
|---------------------------------|----------------------------|-------|-------------------------------|-------------------|
| Power source                    |                            |       | Single phase, 220-240V~, 50Hz |                   |
| Capacity                        | Cooling                    | kW    | 5.60                          | 7.10              |
|                                 | Heating                    |       | 6.30                          | 8.00              |
| Input power                     |                            | W     | 20/28                         | 34/43             |
| Airflow rate*                   | High                       | m³/h  | 750/870                       | 950/1,040         |
|                                 | Med-High                   |       | 710/830                       | 890/990           |
|                                 | Med                        |       | 690/780                       | 860/930           |
|                                 | Med-Low                    |       | 660/740                       | 810/880           |
|                                 | Low                        |       | 630/700                       | 770/840           |
|                                 | Quiet                      |       | 540/540                       | 540/540           |
| Sound pressure level*           | High                       | dB(A) | 38/41                         | 43/46             |
|                                 | Med-High                   |       | 36/40                         | 42/45             |
|                                 | Med                        |       | 35/39                         | 41/43             |
|                                 | Med-Low                    |       | 35/37                         | 40/42             |
|                                 | Low                        |       | 33/36                         | 38/40             |
|                                 | Quiet                      |       | 29/29                         | 29/29             |
| Net Dimensions (H × W × D)      |                            | mm    | 200 × 1,240 × 500             | 200 × 1,240 × 500 |
| Weight                          |                            | kg    | 25                            | 25                |
| Connection pipe diameter        | Liquid (Flare)             | mm    | 6.35                          | 9.52              |
|                                 | Gas (Flare)                |       | 12.70                         | 15.88             |
| Drain Hose Diameter (I.D./O.D.) |                            |       | 25/32                         |                   |
| Cassette Grille                 | Model name                 |       | UTG-USGA-W                    |                   |
|                                 | Net Dimensions (H × W × D) | mm    | 85 × 1,350 × 580              |                   |
|                                 | Weight                     | kg    | 11.5                          |                   |

Note: Specifications are subject to the following conditions:  
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.  
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.  
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m. Voltage: 230 [V]  
\*: Applicable to cooling and heating operation

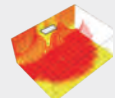
3 Individually Controlled Air Outlet Ports

The Comfortable airflow setting enables the left and right air outlet ports as well as the wide center port to work together to provide a comfortable room environment.

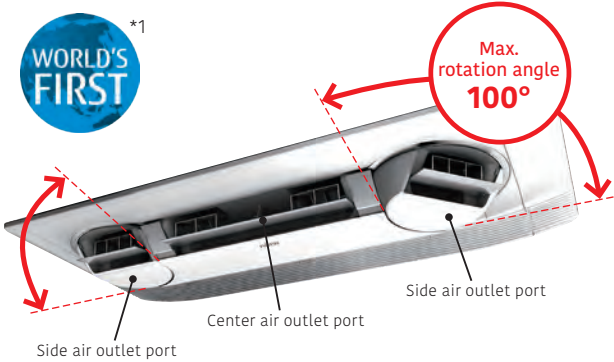
Temperature distribution during cooling and heating (when set to Comfortable airflow)



Testing conditions: Model AUXS024GLEH running cooling operation with the air volume set to "Hi" to maintain the room temperature at 18°C with the outdoor temperature at 35°C, tested in our 40m² environmental test room



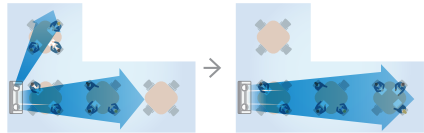
Testing conditions: Model AUXS024GLEH running heating operation with the air volume set to "Hi" to maintain the room temperature at 30°C with the outdoor temperature at 7°C, tested in our 40m² environmental test room



\*1: Announced 2018. In the category of room air conditioners for the home (source: General Inc.).

Individual Airflow Setting

The individual airflow setting function optimizes the airflow direction to match the room layout.



Adjusts airflows from the side air outlet ports to match the layout and usage of the room to minimize the amount of wasted airflow.



The airflow is optimally controlled to provide improved comfort in a narrow room.

Individual control of air outlet ports

Individual airflow can be set using a Wired remote controller with touch panel, Design type and Central remote controller\*. The airflow from each air outlet port can be set individually.



Wired remote controller (Design type) UTY-RVRG



Wired remote controller with Touch Panel UTY-RNRGZ6

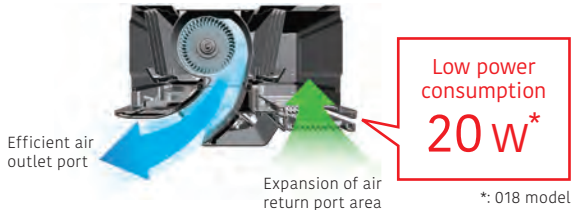


Central remote controller UTY-DCGGZ4

\* Feature available only on UTY-RNRGZ6 Wired remote controller with touch panel and UTY-DCGGZ4 Central remote controller

High Energy Saving

The structural design to take in a larger volume of air and blow air out more smoothly reduces air blowing loss and achieves class-leading energy-saving performance.



\*: 018 model

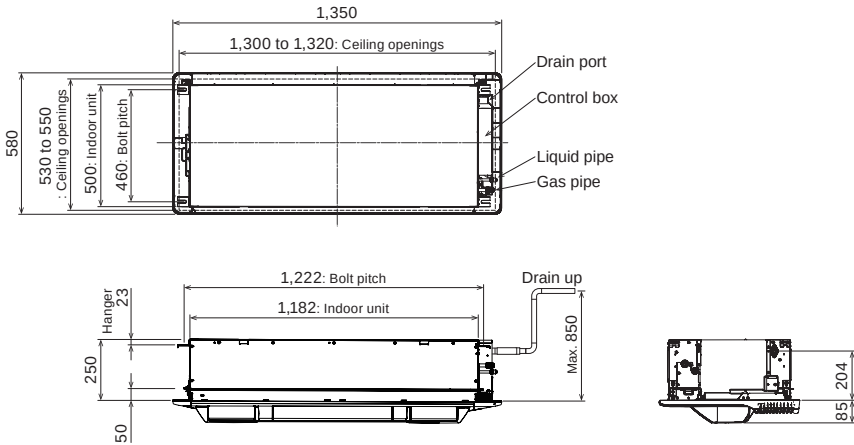
Optional parts

\*For more details, please refer to the chapter "Control System List" and "Optional Parts List."

Remote sensor kit: UTY-XSZXZ1  
Cassette Grille: UTG-USGA-W  
External power supply unit: UTZ-GXXA, UTZ-GXXC, UTZ-GXXD

Dimensions

(Unit: mm)



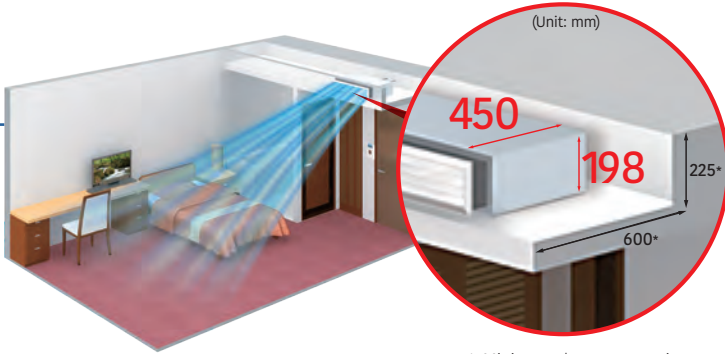


Mini Duct



Space Saving Design

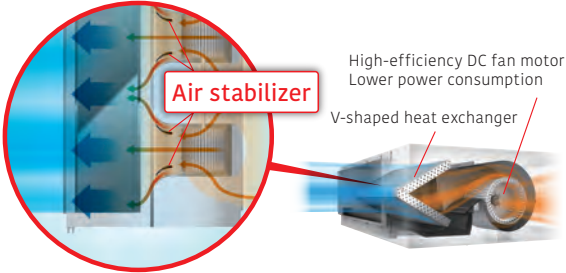
- Fits into a space 198 mm high and 450 mm deep
- 30% smaller than previous-generation models
- Weighs 16 kg, 10% lighter



\*: Minimum clearance requirement

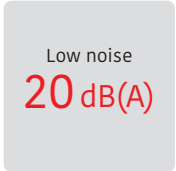
Optimum Airflow Path and Low Noise Operation

The stabilized airflow reduces the noise level significantly.

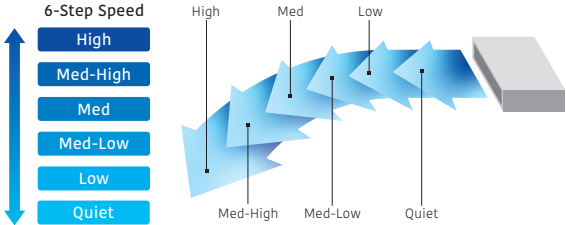


6-Speed Control\*

Multistep airflow adjustment allows installation in a quiet location.



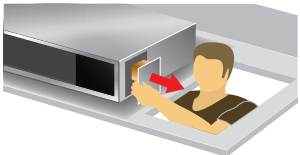
at 04 model



\* Remote controller is compatible with the following:  
UTY-RVRG / UTY-RNRGZ6 / UTY-RLRG / UTY-RSRGZ1 / UTY-RHRGZ1 / UTY-DCGGZ4 / UTY-ALGXZ1 / UTY-APGXZ1

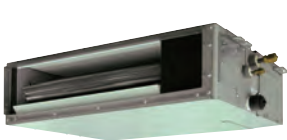
Easy to Design and Maintain for Drain

Indoor unit design for easy maintenance Parts can be replaced from the side of the unit where maintenance is easier.

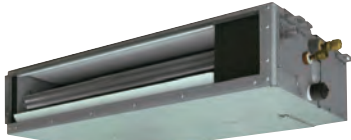


A drain pump is built into the unit as standard:  
Parts can be accessed and replaced through the side of the unit for easy maintenance.

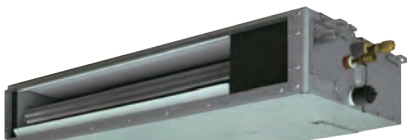
Model: ARXK004GLGH / ARXK007GLGH / ARXK009GLGH  
ARXK012GLGH / ARXK014GLGH / ARXK018GLGH  
ARXK024GLGH



ARXK004/007/009/012/014GLGH



ARXK018GLGH



ARXK024GLGH

Specifications

| Model name                      |                |       | ARXK004GLGH                   | ARXK007GLGH     | ARXK009GLGH     | ARXK012GLGH     | ARXK014GLGH     | ARXK018GLGH       | ARXK024GLGH |
|---------------------------------|----------------|-------|-------------------------------|-----------------|-----------------|-----------------|-----------------|-------------------|-------------|
| Power source                    |                |       | Single phase, 220-240V~, 50Hz |                 |                 |                 |                 |                   |             |
| Capacity                        | Cooling        | kW    | 1.1                           | 2.2             | 2.8             | 3.6             | 4.5             | 5.6               | 7.1         |
|                                 | Heating        |       | 1.3                           | 2.8             | 3.2             | 4.0             | 5.0             | 6.3               | 8.0         |
| Input power                     |                | W     | 26                            | 28              | 28              | 35              | 66              | 73                | 80          |
| Airflow rate                    | High           | m³/h  | 460                           | 460             | 460             | 550             | 760             | 930               | 1,160       |
|                                 | Med-High       |       | 440                           | 440             | 440             | 520             | 660             | 840               | 1,060       |
|                                 | Med            |       | 420                           | 420             | 420             | 480             | 560             | 740               | 960         |
|                                 | Med-Low        |       | 400                           | 400             | 400             | 450             | 490             | 640               | 860         |
|                                 | Low            |       | 370                           | 370             | 370             | 410             | 410             | 540               | 750         |
|                                 | Quiet          |       | 340                           | 340             | 340             | 340             | 340             | 470               | 610         |
| Static pressure range           |                | Pa    | 0 to 30                       | 0 to 30         | 0 to 30         | 0 to 30         | 0 to 50         | 0 to 50           | 0 to 50     |
| Standard static pressure        |                |       | 10                            | 10              | 10              | 10              | 15              | 15                | 15          |
| Sound pressure level            | High           | dB(A) | 25                            | 26              | 26              | 29              | 34              | 33                | 32          |
|                                 | Med-High       |       | 24                            | 25              | 25              | 27              | 31              | 30                | 30          |
|                                 | Med            |       | 23                            | 24              | 24              | 26              | 28              | 28                | 28          |
|                                 | Med-Low        |       | 22                            | 23              | 23              | 25              | 26              | 26                | 27          |
|                                 | Low            |       | 21                            | 22              | 22              | 24              | 24              | 24                | 25          |
|                                 | Quiet          |       | 20                            | 21              | 21              | 22              | 22              | 22                | 22          |
| Net Dimensions (H × W × D)      |                | mm    | 198 × 700 × 450               | 198 × 700 × 450 | 198 × 700 × 450 | 198 × 700 × 450 | 198 × 900 × 450 | 198 × 1,100 × 450 |             |
| Weight                          |                | kg    | 14.5                          | 15.5            | 15.5            | 16              | 16              | 19                | 22.5        |
| Connection pipe diameter        | Liquid (Flare) | mm    | 6.35                          | 6.35            | 6.35            | 6.35            | 6.35            | 6.35              | 9.52        |
|                                 | Gas (Flare)    |       | 9.52                          | 9.52            | 9.52            | 12.70           | 12.70           | 12.70             | 15.88       |
| Drain Hose Diameter (I.D./O.D.) |                |       | 25/32                         |                 |                 |                 |                 |                   |             |

Note: Specifications are subject to the following conditions:  
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.  
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.  
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m. Voltage: 230 [V].

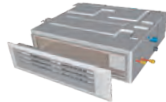
Optional parts

\*For more details, please refer to the chapter "Control System List" and "Optional Parts List."

Remote sensor unit: UTY-XSZXZ1  
Silver Ion Filter: UTD-HFTA (004-014)  
UTD-HFTB (018)  
UTD-HFTC (024)  
External power supply unit: UTZ-GXXA, UTZ-GXXC, UTZ-GXXD  
Auto Louver Grille Kit: UTD-GXTA-W (004-014)  
UTD-GXTB-W (018)  
UTD-GXTC-W (024)

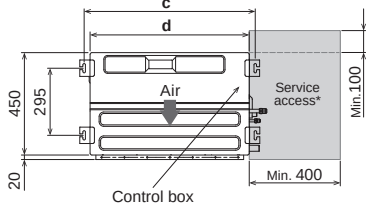
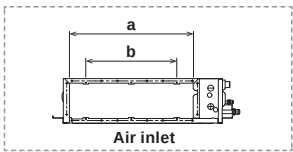
Auto Louver Grille Kit (Optional)

The slim design of the unit provides comfortable cooling and heating air conditioning over a wide area. The optional automatic louver grille, which fits nicely into any interior decor, provides comfortable air conditioning (Optional)



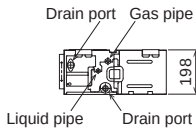
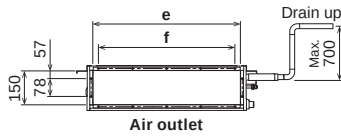
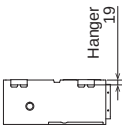
Dimensions

(Unit: mm)



|   | ARXK004-014GLGH | ARXK018GLGH | ARXK024GLGH   |
|---|-----------------|-------------|---------------|
| a | 575             | 775         | 975           |
| b | P200×2=400      | P200×3=600  | P200×4=800    |
| c | 752             | 952         | 1,152         |
| d | 700             | 900         | 1,100         |
| e | 650             | 850         | 1,050         |
| f | P100×6=600      | P100×8=800  | P100×10=1,000 |

\*The design of the service access depends on the installation method. Refer to the installation manual for more information.

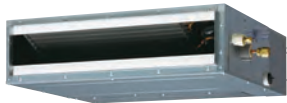




Slim Duct/  
Slim Concealed  
Floor



Model: ARXD04GALH / ARXD007GLEH / ARXD009GLEH  
ARXD012GLEH / ARXD014GLEH / ARXD018GLEH  
ARXD024GLEH



ARXD04GALH  
ARXD007/009/012/014GLEH



ARXD018GLEH



ARXD024GLEH

Slim  
Concealed  
Floor



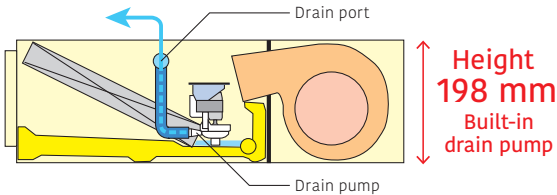
Specifications

| Model name                      |                |       | ARXD04GALH*                   | ARXD007GLEH     | ARXD009GLEH     | ARXD012GLEH     | ARXD014GLEH     | ARXD018GLEH       | ARXD024GLEH |
|---------------------------------|----------------|-------|-------------------------------|-----------------|-----------------|-----------------|-----------------|-------------------|-------------|
| Power source                    |                |       | Single phase, 220-240V~, 50Hz |                 |                 |                 |                 |                   |             |
| Capacity                        | Cooling        | kW    | 1.1                           | 2.2             | 2.8             | 3.6             | 4.5             | 5.6               | 7.1         |
|                                 | Heating        |       | 1.3                           | 2.8             | 3.2             | 4.0             | 5.0             | 6.3               | 8.0         |
| Input power                     |                | W     | 40                            | 44              | 50              | 54              | 92              | 83                | 122         |
| Airflow rate                    | High           | m³/h  | 510                           | 550             | 600             | 600             | 800             | 940               | 1,330       |
|                                 | Med-High       |       | -                             | 480             | 510             | 530             | 680             | 820               | 1,140       |
|                                 | Med            |       | 400/470*¹                     | 440             | 460             | 490             | 600             | 730               | 1,020       |
|                                 | Med-Low        |       | -                             | 410             | 420             | 450             | 520             | 630               | 900         |
|                                 | Low            |       | 320/440*¹                     | 370             | 370             | 410             | 440             | 540               | 780         |
|                                 | Quiet          |       | -                             | 320             | 320             | 340             | 340             | 470               | 610         |
| Static pressure range           |                | Pa    | 0 to 90                       | 0 to 90         | 0 to 90         | 0 to 90         | 0 to 90         | 0 to 90           | 0 to 50     |
| Standard static pressure        |                |       | 25                            | 25              | 25              | 25              | 25              | 25                | 25          |
| Sound pressure level            | High           | dB(A) | 26                            | 28              | 29              | 30              | 34              | 34                | 35          |
|                                 | Med-High       |       | -                             | 26              | 27              | 28              | 32              | 31                | 31          |
|                                 | Med            |       | 21/25*¹                       | 25              | 25              | 27              | 30              | 29                | 29          |
|                                 | Med-Low        |       | -                             | 24              | 24              | 26              | 28              | 27                | 27          |
|                                 | Low            |       | 20/22*¹                       | 22              | 22              | 24              | 25              | 25                | 24          |
|                                 | Quiet          |       | -                             | 21              | 21              | 22              | 22              | 23                | 21          |
| Net Dimensions (H × W × D)      |                | mm    | 198 × 700 × 620               | 198 × 700 × 620 | 198 × 700 × 620 | 198 × 700 × 620 | 198 × 900 × 620 | 198 × 1,100 × 620 |             |
| Weight                          |                | kg    | 17                            | 17              | 17              | 18              | 18              | 22                | 26          |
| Connection pipe diameter        | Liquid (Flare) | mm    | 6.35                          | 6.35            | 6.35            | 6.35            | 6.35            | 6.35              | 9.52        |
|                                 | Gas (Flare)    |       | 12.70                         | 9.52            | 9.52            | 12.70           | 12.70           | 12.70             | 15.88       |
| Drain Hose Diameter (I.D./O.D.) |                |       | 25/32                         |                 |                 |                 |                 |                   |             |

Note: Specifications are subject to the following conditions:  
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.  
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.  
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m. Voltage: 230 [V].  
\*1: This value is under cooling operation.  
\*: ARXD04GALH cannot be connected to J-IVS/J-IVL/J-IVL/VR-IV series.

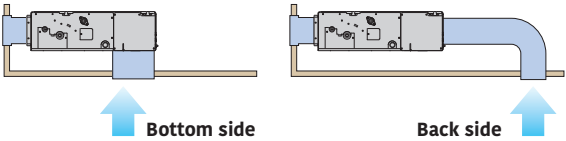
Slim Design

Slim design allows for installation in a tight ceiling space.



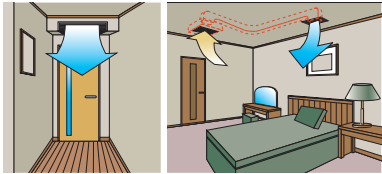
Air Intake

Air intake direction can be selected to match the installation site.

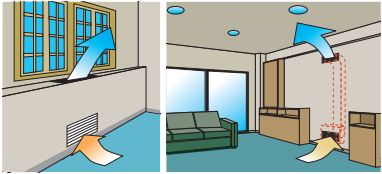


Flexible Installation

Ceiling concealed



Floor concealed



Wide Range of Static Pressures

The use of a DC fan motor makes it possible to adjust the static pressure between 0 and 90 Pa. The static pressure range can be changed by a remote controller.

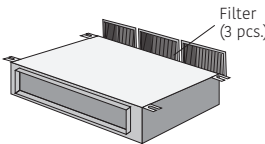
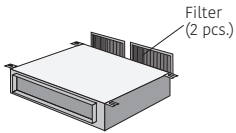


Static pressure range  
**0 to 90 Pa**

\*024 model static pressure range is 0 to 50 Pa.

Filter (Accessory)

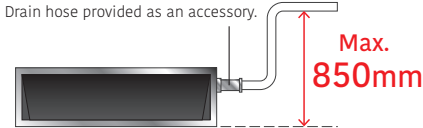
ARXD04/007/009/012/014/018 ARXD024



Optional parts

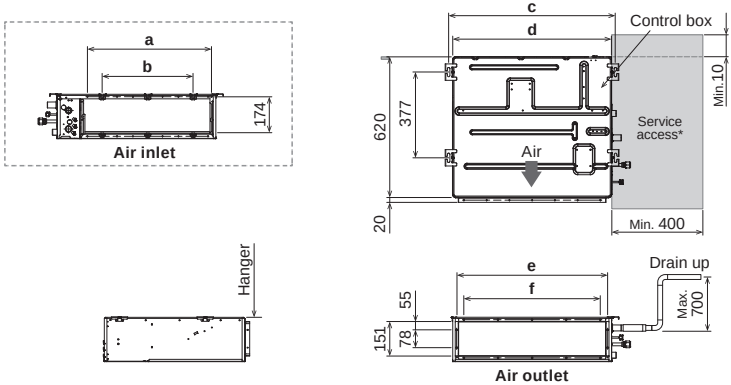
\*For more details, please refer to the chapter "Control System List" and "Optional Parts List."

Remote sensor unit: UTY-XSZXZ1  
Silver Ion Filter: UTD-HFTA (04, 007-014)  
                          UTD-HFTB (018)  
                          UTD-HFTC (024)  
External power supply unit: UTZ-GXXA, UTZ-GXXC, UTZ-GXXD  
Auto Louver Grille Kit: UTD-GXTA-W (04, 007-014)  
                              UTD-GXTB-W (018)  
                              UTD-GXTC-W (024)



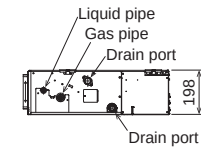
Dimensions

(Unit: mm)



|   | ARXD04GALH<br>ARXD007-014GLEH | ARXD018GLEH | ARXD024GLEH   |
|---|-------------------------------|-------------|---------------|
| a | 574                           | 774         | 974           |
| b | P200×2=400                    | P200×3=600  | P200×4=800    |
| c | 734                           | 934         | 1,134         |
| d | 700                           | 900         | 1,100         |
| e | 650                           | 850         | 1,050         |
| f | P100×6=600                    | P100×8=800  | P100×10=1,000 |

\*The design of the service access depends on the installation method. Refer to the installation manual for more information.

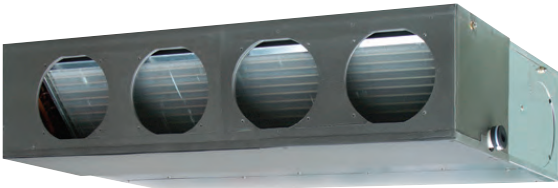




Duct  
Low Static Pressure  
High Efficiency



Model: ARXP018GLFH / ARXP030GLFH \* Production by order



Specifications

| Model name                      |                |       | ARXP018GLFH                   | ARXP030GLFH       |
|---------------------------------|----------------|-------|-------------------------------|-------------------|
| Power source                    |                |       | Single phase, 220-240V~, 50Hz |                   |
| Capacity                        | Cooling        | kW    | 5.6                           | 9.0               |
|                                 | Heating        |       | 6.3                           | 10.0              |
| Input power                     |                | W     | 128                           | 228               |
| Airflow rate                    | High           | m³/h  | 1,540 / 1,440                 | 1,940 / 1,660     |
|                                 | Med-High       |       | 1,460 / 1,380                 | 1,810 / 1,580     |
|                                 | Med            |       | 1,380 / 1,320                 | 1,680 / 1,510     |
|                                 | Med-Low        |       | 1,300 / 1,260                 | 1,550 / 1,440     |
|                                 | Low            |       | 1,220 / 1,200                 | 1,420 / 1,370     |
|                                 | Quiet          |       | 1,150 / 1,150                 | 1,300 / 1,300     |
| Static pressure range           |                | Pa    | 0 to 80                       | 0 to 80           |
| Standard static pressure        |                |       | 40                            | 50                |
| Sound pressure level            | High           | dB(A) | 35 / 34                       | 39 / 36           |
|                                 | Med-High       |       | 34 / 32                       | 38 / 35           |
|                                 | Med            |       | 32 / 31                       | 36 / 34           |
|                                 | Med-Low        |       | 31 / 30                       | 34 / 33           |
|                                 | Low            |       | 29 / 29                       | 32 / 31           |
|                                 | Quiet          |       | 28 / 28                       | 30 / 30           |
| Net Dimensions (H × W × D)      |                | mm    | 270 × 1,135 × 700             | 270 × 1,135 × 700 |
| Weight                          |                | kg    | 40                            | 40                |
| Connection pipe diameter        | Liquid (Flare) | mm    | 6.35                          | 9.52              |
|                                 | Gas (Flare)    |       | 12.70                         | 15.88             |
| Drain Hose Diameter (I.D./O.D.) |                |       | 25/32                         |                   |

Note: Specifications are subject to the following conditions:  
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.  
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.  
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m. Voltage: 230 [V].

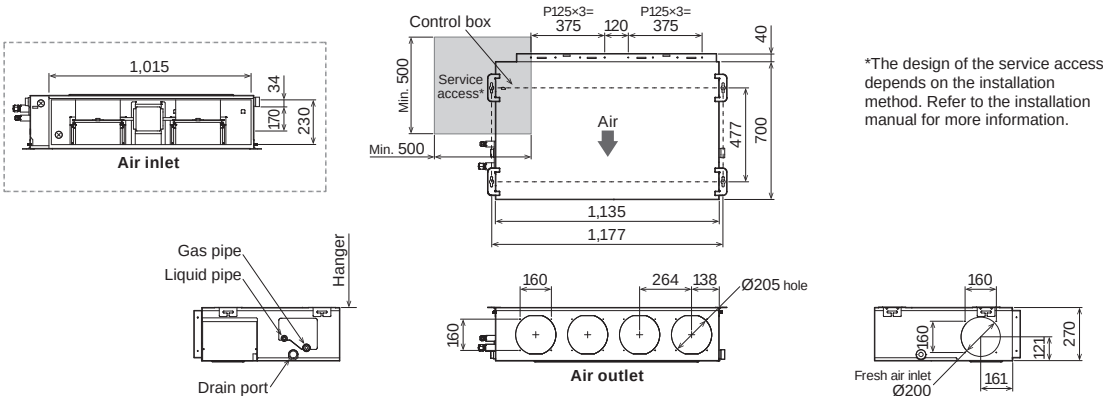
Optional parts

\*For more details, please refer to the chapter "Control System List" and "Optional Parts List."

|                              |                                                          |                             |
|------------------------------|----------------------------------------------------------|-----------------------------|
| Long-life filter: UTD-LF25NA | External power supply unit: UTZ-GXXA, UTZ-GXXC, UTZ-GXXD | Drain pump unit: UTZ-PX1NBA |
| Flange (square): UTD-SF045T  | Remote sensor unit: UTY-XSZXZ1                           | Silver Ion Filter: UTD-HFND |
| Flange (round): UTD-RF204    |                                                          |                             |

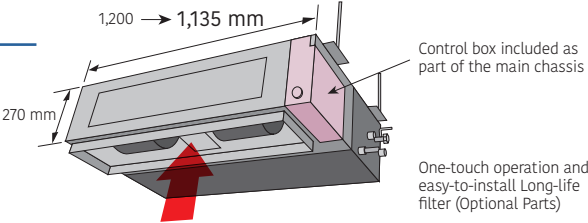
Dimensions

(Unit: mm)



Slim & Compact Design

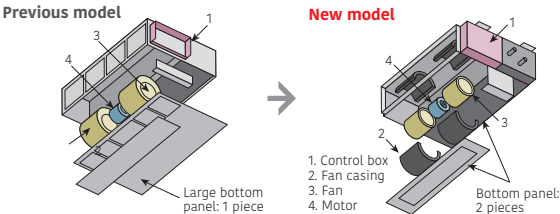
The slim and compact design of the indoor unit, with the control box mounted on the side, allows installation in narrow spaces.



Easy Maintenance

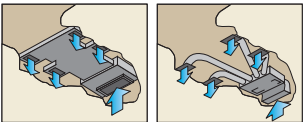
Structural improvement has been developed by making the bottom panel in two pieces, front and rear. The internal fan casing is also manufactured in two pieces—upper and lower. The motor and fan can be easily accessed and maintained by removing the rear panel and the lower casing with the main chassis remaining in place.

See below for rear-suction type

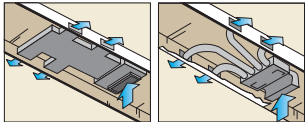


Installation Styles

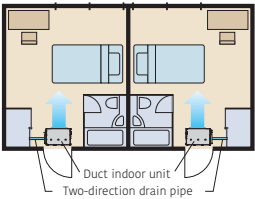
Embedded in Ceiling



Hanging from Ceiling

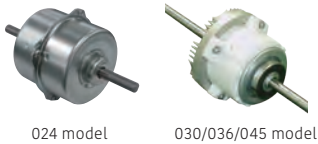


A Drain Pipe can be Installed on Either The Left or Right Side of The Unit



High-Efficiency DC Fan Motor Achieves Low-Energy Consumption

Improved motor efficiency from previous model.



Wide Range of Static Pressures

Static pressures can be changed in the range of 0 to 80 Pa.

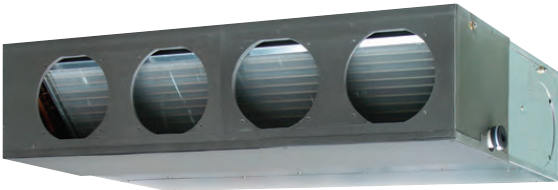
Static pressure range  
0 to 80 Pa



Duct  
Medium Static Pressure



Model: ARXA024GLEH / ARXA030GLEH / ARXA036GLEH / ARXA045GLEH



Specifications

| Model name                      |                |       | ARXA024GLEH                   | ARXA030GLEH       | ARXA036GLEH       | ARXA045GLEH       |
|---------------------------------|----------------|-------|-------------------------------|-------------------|-------------------|-------------------|
| Power source                    |                |       | Single phase, 220-240V~, 50Hz |                   |                   |                   |
| Capacity                        | Cooling        | kW    | 7.1                           | 9.0               | 11.2              | 12.5              |
|                                 | Heating        |       | 8.0                           | 10.0              | 12.5              | 14.0              |
| Input power                     |                | W     | 94                            | 108               | 194               | 240               |
| Airflow rate                    | High           | m³/h  | 1,280                         | 1,410             | 1,840             | 1,970             |
|                                 | Med-High       |       | 1,180                         | 1,350             | 1,750             | 1,910             |
|                                 | Med            |       | 1,090                         | 1,280             | 1,660             | 1,860             |
|                                 | Med-Low        |       | 1,000                         | 1,240             | 1,600             | 1,780             |
|                                 | Low            |       | 920                           | 1,190             | 1,530             | 1,710             |
|                                 | Quiet          |       | 840                           | 1,150             | 1,470             | 1,640             |
| Static pressure range           |                | Pa    | 0 to 150                      | 0 to 150          | 0 to 150          | 0 to 150          |
| Standard static pressure        |                |       | 40                            | 50                | 50                | 60                |
| Sound pressure level            | High           | dB(A) | 31                            | 34                | 37                | 41                |
|                                 | Med-High       |       | 29                            | 33                | 36                | 40                |
|                                 | Med            |       | 27                            | 32                | 35                | 38                |
|                                 | Med-Low        |       | 26                            | 31                | 35                | 38                |
|                                 | Low            |       | 24                            | 30                | 34                | 37                |
|                                 | Quiet          |       | 23                            | 29                | 33                | 36                |
| Net Dimensions (H × W × D)      |                | mm    | 270 × 1,135 × 700             | 270 × 1,135 × 700 | 270 × 1,135 × 700 | 270 × 1,135 × 700 |
| Weight                          |                | kg    | 36                            | 40                | 40                | 40                |
| Connection pipe diameter        | Liquid (Flare) | mm    | 9.52                          | 9.52              | 9.52              | 9.52              |
|                                 | Gas (Flare)    |       | 15.88                         | 15.88             | 15.88             | 15.88             |
| Drain Hose Diameter (I.D./O.D.) |                |       | 25/32                         |                   |                   |                   |

Note: Specifications are subject to the following conditions:  
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.  
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.  
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m. Voltage: 230 [V].

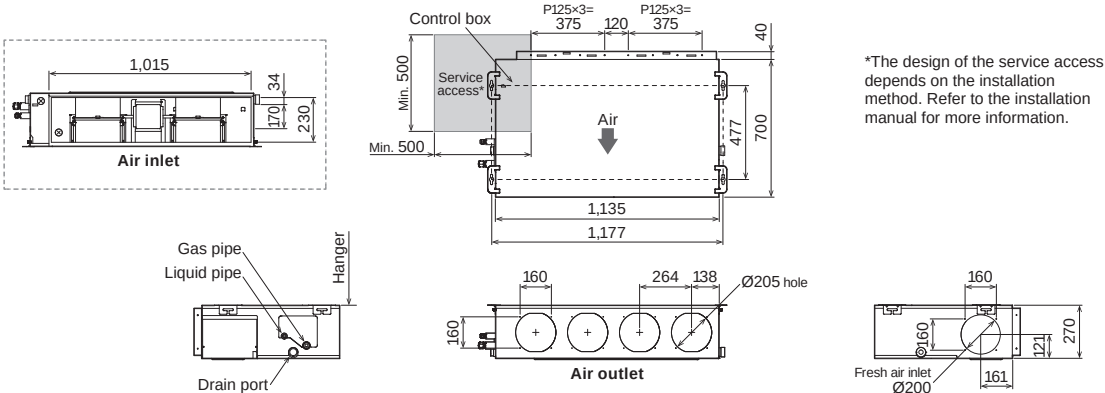
Optional parts

\*For more details, please refer to the chapter "Control System List" and "Optional Parts List."

|                              |                                                          |                             |
|------------------------------|----------------------------------------------------------|-----------------------------|
| Long-life filter: UTD-LF25NA | External power supply unit: UTZ-GXXA, UTZ-GXXC, UTZ-GXXD | Drain pump unit: UTZ-PX1NBA |
| Flange (square): UTD-SF045T  | Remote sensor unit: UTY-XSZXZ1                           | Silver Ion Filter: UTD-HFND |
| Flange (round): UTD-RF204    |                                                          |                             |

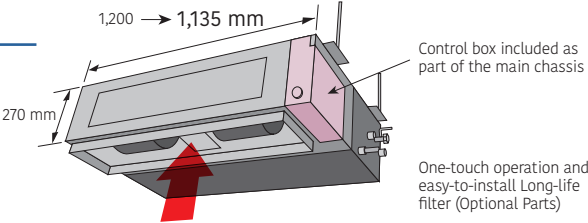
Dimensions

(Unit: mm)



Slim & Compact Design

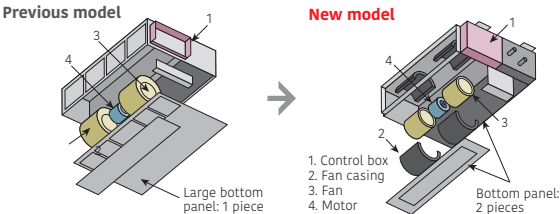
The slim and compact design of the indoor unit, with the control box mounted on the side, allows installation in narrow spaces.



Easy Maintenance

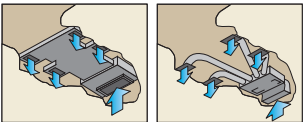
Structural improvement has been developed by making the bottom panel in two pieces, front and rear. The internal fan casing is also manufactured in two pieces—upper and lower. The motor and fan can be easily accessed and maintained by removing the rear panel and the lower casing with the main chassis remaining in place.

See below for rear-suction type

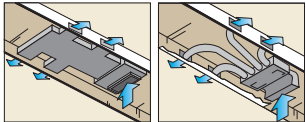


Installation Styles

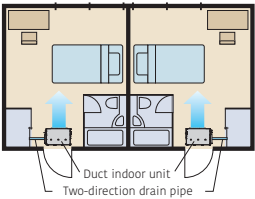
Embedded in Ceiling



Hanging from Ceiling

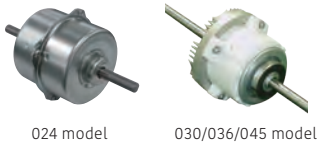


A Drain Pipe can be Installed on Either The Left or Right Side of The Unit



High-Efficiency DC Fan Motor Achieves Low-Energy Consumption.

Improved motor efficiency from previous model.



Wide Range of Static Pressures

Static pressures can be changed in the range of 0 to 150 Pa.

Static pressure range  
**0 to 150 Pa**



Duct  
High Static Pressure



Model: ARXC036GTEH / ARXC045GTEH / ARXC060GTEH  
ARXC072GTEH / ARXC090GTEH / ARXC096GTEH



ARXC036/045/060GTEH



ARXC072/090GTEH



ARXC096GTEH

Specifications

| Model name                      |         |       | ARXC036GTEH                   | ARXC045GTEH       | ARXC060GTEH*      | ARXC072GTEH*      | ARXC090GTEH*      | ARXC096GTEH*      |
|---------------------------------|---------|-------|-------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Power source                    |         |       | Single phase, 220-240V~, 50Hz |                   |                   |                   |                   |                   |
| Capacity                        | Cooling | kW    | 11.2                          | 12.5              | 18.0              | 22.4              | 25.0              | 28.0              |
|                                 | Heating |       | 12.5                          | 14.0              | 20.0              | 25.0              | 28.0              | 31.5              |
| Input power                     |         | W     | 207                           | 715               | 730               | 681               | 819               | 838               |
| Airflow rate                    | High    | m³/h  | 1,990                         | 3,500             | 3,500             | 3,900             | 4,300             | 4,850             |
|                                 | Med     |       | 1,680                         | 3,000             | 3,000             | 3,300             | 4,000             | 4,250             |
|                                 | Low     |       | 1,330                         | 2,460             | 2,460             | 3,000             | 3,500             | 3,600             |
| Static pressure range           |         | Pa    | 0 to 200                      | 100 to 250        | 100 to 250        | 0 to 300          | 0 to 300          | 0 to 300          |
| Standard static pressure        |         |       | 100                           | 100               | 100               | 150               | 150               | 150               |
| Sound pressure level            | High    | dB(A) | 42                            | 49                | 49                | 47                | 48                | 48                |
|                                 | Med     |       | 36                            | 45                | 45                | 43                | 46                | 45                |
|                                 | Low     |       | 32                            | 42                | 42                | 40                | 44                | 42                |
| Net Dimensions (H × W × D)      |         | mm    | 400 × 1,050 × 500             | 400 × 1,050 × 500 | 400 × 1,050 × 500 | 450 × 1,587 × 700 | 450 × 1,587 × 700 | 550 × 1,587 × 700 |
| Weight                          |         | kg    | 40                            | 46                | 46                | 84                | 84                | 105               |
| Connection pipe diameter        | Liquid  | mm    | 9.52 (Flare)                  | 9.52 (Flare)      | 9.52 (Flare)      | 9.52 (Flare)      | 9.52 (Flare)      | 9.52 (Brazing)    |
|                                 | Gas     |       | 15.88 (Flare)                 | 15.88 (Flare)     | 15.88 (Flare)     | 19.05 (Flare)     | 19.05 (Flare)     | 22.22 (Brazing)   |
| Drain Hose Diameter (I.D./O.D.) |         |       | 25/32                         |                   |                   |                   |                   |                   |

Note: Specifications are based on the following conditions:  
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.  
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.  
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m. Voltage: 230 [V]  
\*: ARXC060/072/090/096G cannot be connected to J-IV/J-IVS series.

Optional parts

\*For more details, please refer to the chapter "Control System List" and "Optional Parts List."

Long-life filter: UTD-LF60KA (036/045/060)  
Remote sensor unit: UTY-XSZXZ1

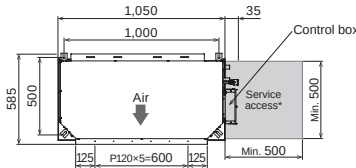
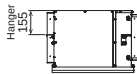
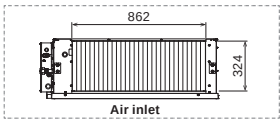
External power supply unit: UTZ-GXXA, UTZ-GXXC,  
UTZ-GXXD

Silver Ion Filter:UTD-HFKB (036/045/060)

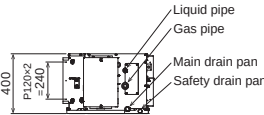
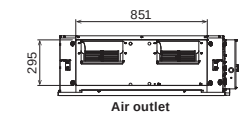
Dimensions

(Unit: mm)

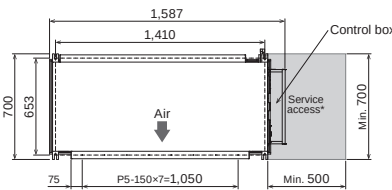
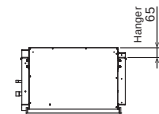
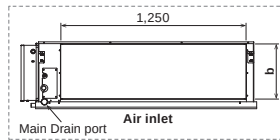
Models: ARXC036/ARXC045/ARXC060



\*The design of the service access depends on the installation method. Refer to the installation manual for more information.

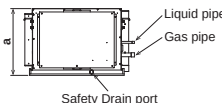
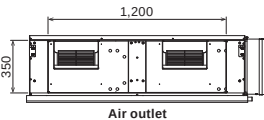


Models: ARXC072/ARXC090/ARXC096



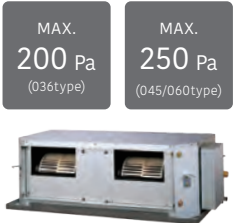
|   | ARXC072/090GTEH | ARXC096GTEH |
|---|-----------------|-------------|
| a | 450             | 550         |
| b | 370             | 470         |

\*The design of the service access depends on the installation method. Refer to the installation manual for more information.



Static Pressure Mode Selection

The use of a DC fan motor makes it possible to adjust the static pressure between 0 to 200 Pa (ARXC036) / 250Pa (ARXC045/060) / 300 Pa (ARXC072/090/096)



(ARXC036/045/060 type)



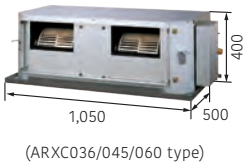
(ARXC072/090 type)



(ARXC096 type)

Easy Installation (Compact & Lightweight)

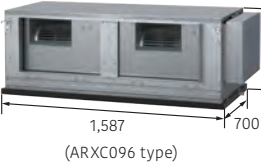
The indoor unit is designed to be compact and light by reducing the basic chassis size and the overall material weight.



(ARXC036/045/060 type)



(ARXC072/090 type)



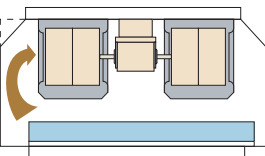
(ARXC096 type)

(Unit: mm)

Low Noise

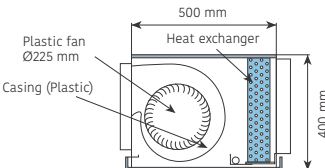
Models: ARXC036/ARXC045/ARXC060

The corners of the front panel and fan casing of the indoor unit are shaved to reduce air turbulence. The use of a plastic case and fan reduces the noise level generated by the unit.



ARXC036GTEH:

Plastic fan [42 dB(A)]  
\* Model: Material (Actual noise measurement value measured at 100 Pa)



High-Efficiency DC Fan Motor Achieves Low Energy Consumption

Improved motor efficiency compared to the previous model.



(ARXC036/045/060 type)



(ARXC072/090/096 type)



Floor Compact



Model: [EEV Internal]  
AGHA004GCGH / AGHA007GCGH / AGHA009GCGH  
AGHA012GCGH / AGHA014GCGH

Specifications

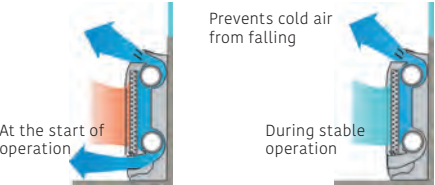
| Model name                      |                |       | AGHA004GCGH                   | AGHA007GCGH | AGHA009GCGH | AGHA012GCGH | AGHA014GCGH |
|---------------------------------|----------------|-------|-------------------------------|-------------|-------------|-------------|-------------|
| Power source                    |                |       | Single phase, 220-240V~, 50Hz |             |             |             |             |
| Capacity                        | Cooling        | kW    | 1.1                           | 2.2         | 2.8         | 3.6         | 4.0         |
|                                 | Heating        |       | 1.3                           | 2.8         | 3.2         | 4.0         | 4.5         |
| Input power                     |                | W     | 12/14                         | 16          | 17          | 22          | 29          |
| Airflow rate                    | High           | m³/h  | 380/430                       | 470         | 500         | 590         | 670         |
|                                 | Med-High       |       | 350                           | 420         | 450         | 520         | 590         |
|                                 | Med            |       | 320                           | 390         | 400         | 470         | 520         |
|                                 | Med-Low        |       | 310                           | 360         | 360         | 420         | 450         |
|                                 | Low            |       | 280                           | 330         | 330         | 390         | 390         |
|                                 | Quiet          |       | 210                           | 270         | 270         | 340         | 340         |
| Sound pressure level            | High           | dB(A) | 35/36                         | 37          | 38          | 42          | 46          |
|                                 | Med-High       |       | 33                            | 35          | 36          | 39          | 42          |
|                                 | Med            |       | 31                            | 33          | 34          | 37          | 39          |
|                                 | Med-Low        |       | 30                            | 31          | 31          | 35          | 36          |
|                                 | Low            |       | 28                            | 29          | 29          | 33          | 33          |
|                                 | Quiet          |       | 22                            | 22          | 22          | 30          | 30          |
| Net Dimensions (H × W × D)      |                | mm    | 600 × 740 × 200               |             |             |             |             |
| Weight                          |                | kg    | 15.0                          | 15.0        | 15.0        | 15.0        | 15.0        |
| Connection pipe diameter        | Liquid (Flare) | mm    | 6.35                          | 6.35        | 6.35        | 6.35        | 6.35        |
|                                 | Gas (Flare)    |       | 9.52                          | 9.52        | 9.52        | 12.70       | 12.70       |
| Drain Hose Diameter (I.D./O.D.) |                |       | 13.8/15.8 to16.7              |             |             |             |             |

Note: Specifications are subject to the following conditions:  
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.  
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.  
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m. Voltage: 230 [V]  
When connecting AGHA004/007/009GCGH, AGHE004/007/009GCEH to an outdoor unit other than an outdoor unit of the J-IVL series, the gas pipe diameter should be Ø12.70 mm.

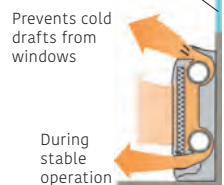
2-Fan and Wide Airflow

A 2-fan individual vertical airflow cools or warms the entire room comfortably.

Cooling

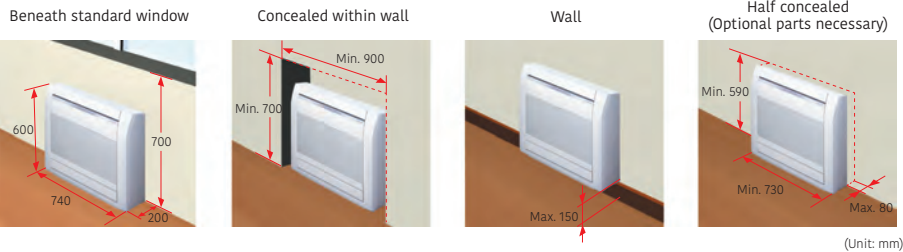


Heating



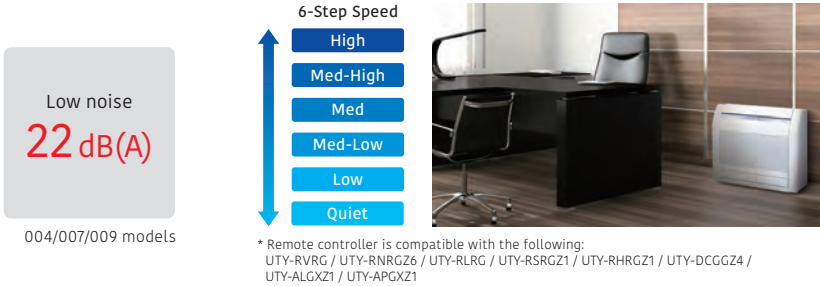
Flexible and Easy Installation

The compact and whole-surface suction design provides flexible installation options, including floor-standing, embedded, partially embedded, and wall-mounted installation to match the room layout.



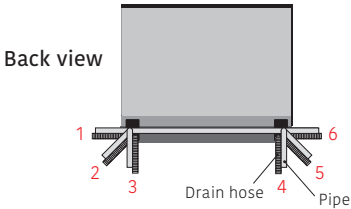
Quiet Operation

6-fan speed control for quiet operation (via 2-wire controller)



Flexible Pipe Connection Enables Draining and Piping in 6 Directions

The drain hose and pipe can be connected to the unit in the right, left, straight in depth, or downward direction.



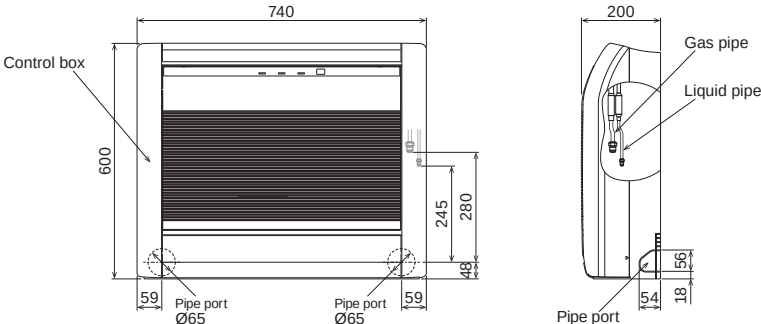
Optional parts

\*For more details, please refer to the chapter "Control System List" and "Optional Parts List."

Partially concealing kit: UTR-STA  
External power supply unit: UTZ-GXXA, UTZ-GXXC, UTZ-GXXD  
Silver Ion Filter: UTR-FA03-5

Dimensions

(Unit: mm)

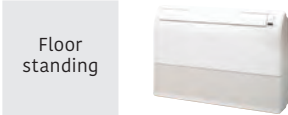




Floor / Ceiling  
Standard



Model: ABHA012GTEH / ABHA014GTEH / ABHA018GTEH / ABHA024GTEH



Specifications

| Model name                      |                |       | ABHA012GTEH                   | ABHA014GTEH     | ABHA018GTEH     | ABHA024GTEH     |
|---------------------------------|----------------|-------|-------------------------------|-----------------|-----------------|-----------------|
| Power source                    |                |       | Single phase, 220-240V~, 50Hz |                 |                 |                 |
| Capacity                        | Cooling        | kW    | 3.6                           | 4.5             | 5.6             | 7.1             |
|                                 | Heating        |       | 4.0                           | 5.0             | 6.3             | 8.0             |
| Input power                     |                | W     | 30                            | 42              | 74              | 99              |
| Airflow rate                    | High           | m³/h  | 660                           | 780             | 1,000           | 1,000           |
|                                 | Med-High       |       | 620                           | 740             | 910             | 930             |
|                                 | Med            |       | 580                           | 690             | 830             | 870             |
|                                 | Med-Low        |       | 550                           | 640             | 750             | 800             |
|                                 | Low            |       | 520                           | 600             | 660             | 740             |
|                                 | Quiet          |       | 490                           | 550             | 580             | 680             |
| Sound pressure level            | High           | dB(A) | 36                            | 40              | 46              | 47              |
|                                 | Med-High       |       | 34                            | 39              | 44              | 45              |
|                                 | Med            |       | 33                            | 38              | 42              | 43              |
|                                 | Med-Low        |       | 31                            | 36              | 40              | 41              |
|                                 | Low            |       | 29                            | 35              | 37              | 39              |
|                                 | Quiet          |       | 28                            | 34              | 35              | 37              |
| Net Dimensions (H × W × D)      |                | mm    | 199 × 990 × 655               | 199 × 990 × 655 | 199 × 990 × 655 | 199 × 990 × 655 |
| Weight                          |                | kg    | 25                            | 26              | 26              | 27              |
| Connection pipe diameter        | Liquid (Flare) | mm    | 6.35                          | 6.35            | 6.35            | 9.52            |
|                                 | Gas (Flare)    |       | 12.70                         | 12.70           | 12.70           | 15.88           |
| Drain Hose Diameter (I.D./O.D.) |                |       | 25/32                         |                 |                 |                 |

Note: Specifications are subject to the following conditions:  
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.  
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.  
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m. Voltage: 230 [V]

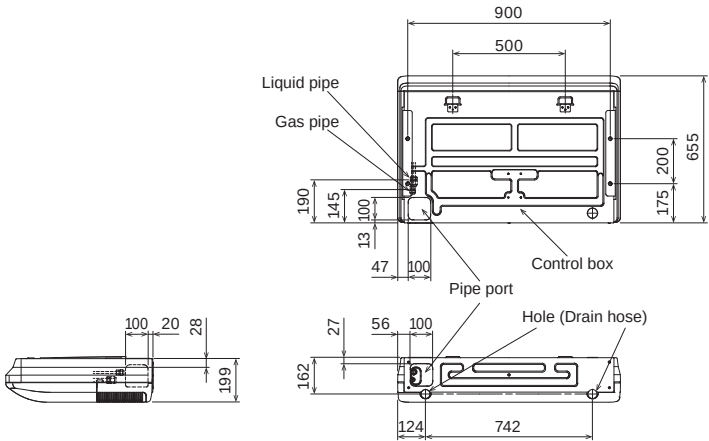
Optional parts

\*For more details, please refer to the chapter "Control System List" and "Optional Parts List."

External power supply unit: UTZ-GXXA, UTZ-GXXC, UTZ-GXXD  
Remote sensor unit: UTY-XSZXZ1

Dimensions

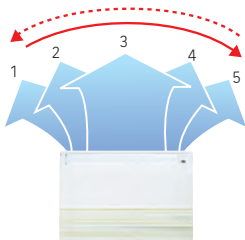
(Unit: mm)



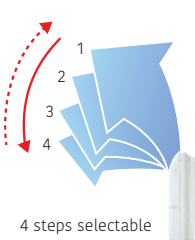
Double Auto Swing

The combination of left and right and vertical swings enables 3-dimensional control of the airflow direction.

RIGHT and LEFT SWING



UP and DOWN SWING



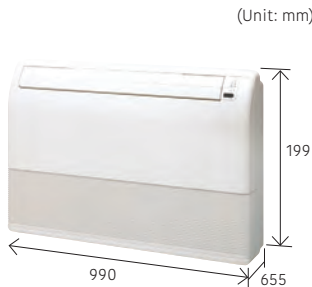
High-Power DC Fan Motor

- High power
- Wide rotation range
- High-efficiency



Compact Design

Symmetrical, slim and compact design.





Ceiling



Model: ABHA030GTEH / ABHA036GTEH / ABHA045GTEH / ABHA054GTEH



Specifications

| Model name                      |                |       | ABHA030GTEH                   | ABHA036GTEH       | ABHA045GTEH       | ABHA054GTEH       |
|---------------------------------|----------------|-------|-------------------------------|-------------------|-------------------|-------------------|
| Power source                    |                |       | Single phase, 220-240V~, 50Hz |                   |                   |                   |
| Capacity                        | Cooling        | kW    | 9.0                           | 11.2              | 12.5              | 14.0              |
|                                 | Heating        |       | 10.0                          | 12.5              | 14.0              | 16.0              |
| Input power                     |                | W     | 66                            | 85                | 131               | 180               |
| Airflow rate                    | High           | m³/h  | 1,630                         | 1,690             | 2,010             | 2,270             |
|                                 | Med-High       |       | 1,520                         | 1,560             | 1,840             | 2,070             |
|                                 | Med            |       | 1,420                         | 1,450             | 1,690             | 1,860             |
|                                 | Med-Low        |       | 1,320                         | 1,360             | 1,530             | 1,660             |
|                                 | Low            |       | 1,220                         | 1,270             | 1,380             | 1,470             |
|                                 | Quiet          |       | 1,140                         | 1,170             | 1,230             | 1,280             |
| Sound pressure level            | High           | dB(A) | 42                            | 45                | 48                | 51                |
|                                 | Med-High       |       | 40                            | 41                | 46                | 49                |
|                                 | Med            |       | 39                            | 39                | 45                | 46                |
|                                 | Med-Low        |       | 37                            | 38                | 41                | 43                |
|                                 | Low            |       | 35                            | 36                | 38                | 40                |
|                                 | Quiet          |       | 33                            | 34                | 35                | 36                |
| Net Dimensions (H × W × D)      |                | mm    | 240 × 1,660 × 700             | 240 × 1,660 × 700 | 240 × 1,660 × 700 | 240 × 1,660 × 700 |
| Weight                          |                | kg    | 46                            | 48                | 48                | 48                |
| Connection pipe diameter        | Liquid (Flare) | mm    | 9.52                          | 9.52              | 9.52              | 9.52              |
|                                 | Gas (Flare)    |       | 15.88                         | 15.88             | 15.88             | 15.88             |
| Drain Hose Diameter (I.D./O.D.) |                |       | 25/32                         |                   |                   |                   |

Note: Specifications are subject to the following conditions:  
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.  
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.  
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m. Voltage: 230 [V]

Installation

**Open**

General installation with indoor unit installed on the ceiling

**Concealed**

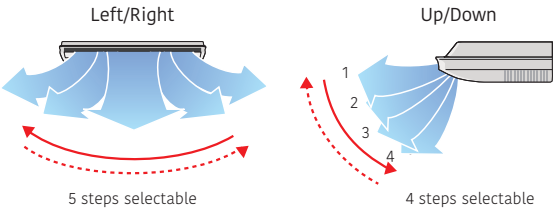
Installation with indoor unit embedded into the ceiling

**Wall-mounted type** (Locally Available)

Wall-mounting brackets are used to mount the indoor unit on the wall. (Locally available)  
This type of installation is used when the ceiling space is insufficient.

Double Auto Swing and Wide Airflow

Auto airflow direction and auto swing



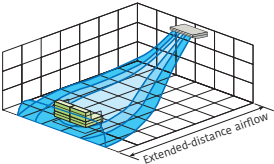
High-Power DC Fan Motor

- High power
- Wide rotation range
- High-efficiency

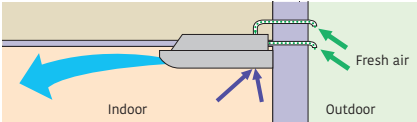


Long Airflow

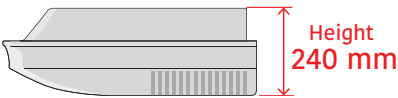
Long airflow provides comfort in every corner of a large room.



Fresh Air Intake



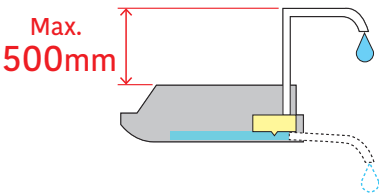
Slim & Compact Design



Optional parts

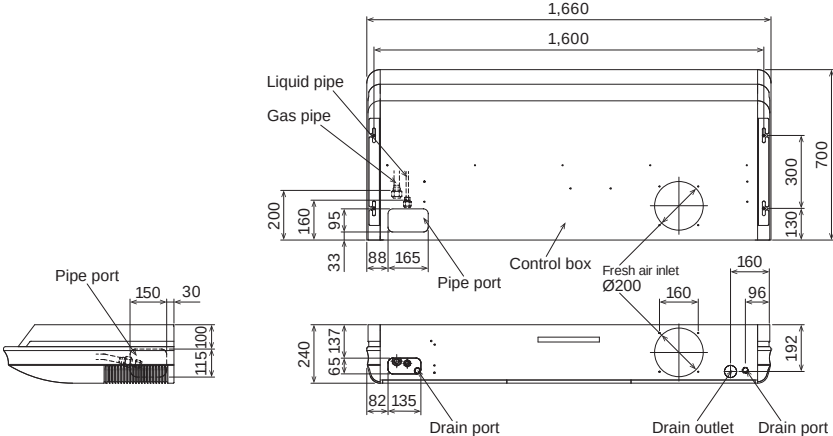
\*For more details, please refer to the chapter "Control System List" and "Optional Parts List."

- Drain pump unit: UTR-DPB24T  
Flange: UTD-RF204  
External power supply unit: UTZ-GXXA, UTZ-GXXC, UTZ-GXXD  
Remote sensor unit: UTY-XSZXZ1



Dimensions

(Unit: mm)





Wall-Mounted  
EEV internal / EEV external



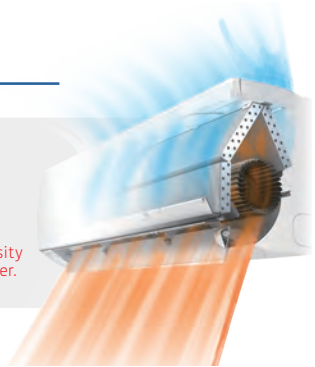
Highly-Efficiency, Compact Design

The 004-014 models share the same design. The high-density and large heat exchanger achieves a highly-efficiency and compact design. The compact body blends in well with conference rooms and offices, providing comfortable air conditioning.

High-density heat exchanger



**Slim tube design: 5 mm**  
Greater heat-exchanging capacity is achieved through the use of a high-density heat exchanger and a sub-heat exchanger.



More Comfortable Airflow

The unique power diffuser provides comfortable air conditioning.

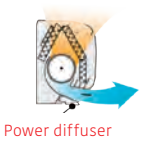
Heating

The vertical airflow provides powerful floor-level heating.



Cooling

The left/right airflow avoids blowing cool air directly at the occupants in a room.

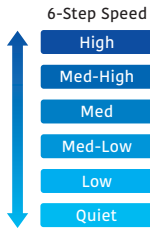


Quiet Operation &  
6-Step Fan Speed Control

The airflow pattern achieves significant noise reduction. Multistep airflow adjustment to suit the environment

Quiet mode  
**37 dB(A)**

004/007/009 models



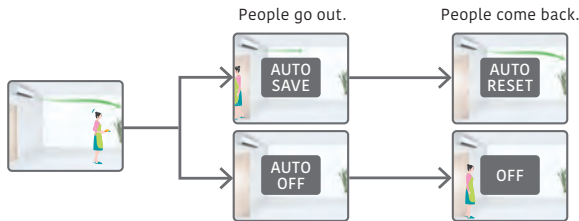
\* Remote controller is compatible with the following:  
UTY-RVRG / UTY-RNRGZ6 / UTY-RLRG / UTY-RSRGZ1 / UTY-RHRGZ1 / UTY-DCGGZ4 / UTY-ALGXZ1 / UTY-APGXZ1



The Occupancy Sensor Contributes  
to Further Energy Savings.

Energy saving operation starts automatically by detecting the motion of a person. Two modes of save operation mode and stop mode can be selected.

\* If you want to use the Occupancy sensor control' function, you need an setting device that can set the Occupancy sensor control' function. For example: Wired RC (Touch panel).



**Model:** [EEV Internal]  
ASHA004GCGH / ASHA007GCGH / ASHA009GCGH  
ASHA012GCGH / ASHA014GCGH  
  
[EEV External]  
ASHE004GCEH / ASHE007GCEH / ASHE009GCEH  
ASHE012GCEH / ASHE014GCEH



Specifications

| Model name                      |                |       | ASHA004GCGH                   | ASHA007GCGH | ASHA009GCGH | ASHA012GCGH | ASHA014GCGH | ASHE004GCEH                   | ASHE007GCEH | ASHE009GCEH | ASHE012GCEH | ASHE014GCEH |
|---------------------------------|----------------|-------|-------------------------------|-------------|-------------|-------------|-------------|-------------------------------|-------------|-------------|-------------|-------------|
| Power source                    |                |       | Single phase, 220-240V~, 50Hz |             |             |             |             | Single phase, 220-240V~, 50Hz |             |             |             |             |
| Capacity                        | Cooling        | kW    | 1.1                           | 2.2         | 2.8         | 3.6         | 4.0         | 1.1                           | 2.2         | 2.8         | 3.6         | 4.0         |
|                                 | Heating        |       | 1.3                           | 2.8         | 3.2         | 4.0         | 4.5         | 1.3                           | 2.8         | 3.2         | 4.0         | 4.5         |
| Input power                     |                | W     | 12                            | 19          | 20          | 25          | 36          | 12                            | 19          | 34          | 25          | 36          |
| Airflow rate                    | High           | m³/h  | 450                           | 550         | 610         | 690         | 800         | 450                           | 550         | 610         | 690         | 800         |
|                                 | Med-High       |       | 430                           | 510         | 560         | 610         | 740         | 430                           | 510         | 560         | 610         | 740         |
|                                 | Med            |       | 400                           | 470         | 510         | 560         | 680         | 400                           | 470         | 510         | 560         | 680         |
|                                 | Med-Low        |       | 380                           | 410         | 440         | 530         | 610         | 380                           | 410         | 440         | 530         | 610         |
|                                 | Low            |       | 360                           | 360         | 360         | 470         | 550         | 360                           | 360         | 360         | 470         | 550         |
|                                 | Quiet          |       | 310                           | 310         | 310         | 330         | 330         | 310                           | 310         | 310         | 330         | 330         |
| Sound pressure level            | High           | dB(A) | 31                            | 34          | 37          | 40          | 44          | 31                            | 35          | 43          | 40          | 44          |
|                                 | Med-High       |       | 30                            | 32          | 35          | 37          | 42          | 30                            | 32          | 38          | 37          | 42          |
|                                 | Med            |       | 28                            | 30          | 32          | 35          | 40          | 28                            | 30          | 34          | 35          | 40          |
|                                 | Med-Low        |       | 27                            | 28          | 29          | 33          | 37          | 27                            | 27          | 29          | 33          | 37          |
|                                 | Low            |       | 26                            | 26          | 26          | 30          | 34          | 26                            | 24          | 24          | 30          | 34          |
|                                 | Quiet          |       | 22                            | 22          | 22          | 24          | 24          | 22                            | 22          | 22          | 24          | 24          |
| Net Dimensions (H × W × D)      |                | mm    | 268 × 840 × 203               |             |             |             |             | 268 × 840 × 203               |             |             |             |             |
| Weight                          |                | kg    | 8.0                           | 8.5         | 8.5         | 8.5         | 8.5         | 8.0                           | 8.5         | 8.5         | 8.5         | 8.5         |
| Connection pipe diameter        | Liquid (Flare) | mm    | 6.35                          | 6.35        | 6.35        | 6.35        | 6.35        | 6.35                          | 6.35        | 6.35        | 6.35        | 6.35        |
|                                 | Gas (Flare)    |       | 9.52                          | 9.52        | 9.52        | 12.70       | 12.70       | 9.52                          | 9.52        | 9.52        | 12.70       | 12.70       |
| Drain Hose Diameter (I.D./O.D.) |                |       | 13.8/15.8 to16.7              |             |             |             |             | 13.8/15.8 to16.7              |             |             |             |             |
| EV kit (optional)               |                |       | —                             |             |             |             |             | UTR-EV09XB                    |             |             | UTR-EV14XB  |             |

Note: Specifications are subject to the following conditions:  
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.  
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.  
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m. Voltage: 230 [V]  
When connecting ASH\*004G\*\*H, ASH\*007G\*\*H, ASH\*009G\*\*H to an outdoor unit other than the outdoor unit of the J-IVL series, the gas pipe diameter should be Ø12.70 mm.

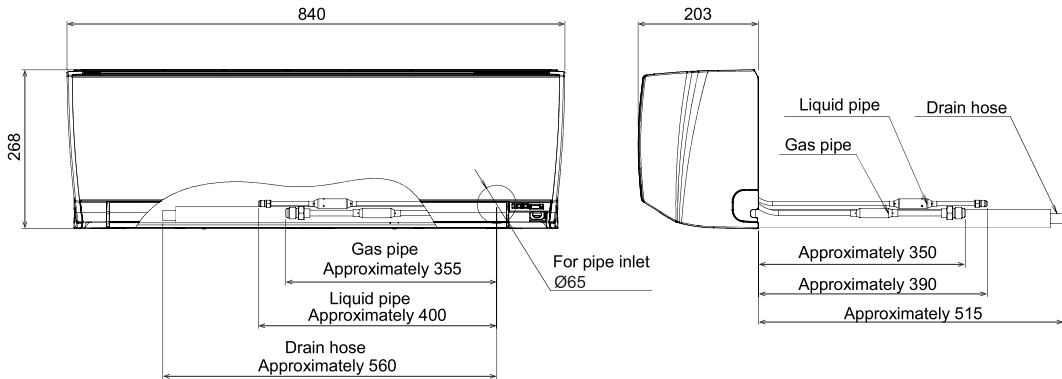
Optional parts

\*For more details, please refer to the chapter "Control System List" and "Optional Parts List."

External power supply unit: UTZ-GXXA, UTZ-GXXC, UTZ-GXXD  
Silver Ion Filter: UTR-FA16-5  
Remote sensor kit: UTY-XSZXZ1  
EV kit: UTR-EV09XB/UTR-EV09XC (004-009), UTR-EV14XB/UTR-EV14XC (012-014)  
(For EEV external model)

Dimensions

(Unit: mm)





Wall-Mounted



Model: ASHA18GBCH / ASHA24GBCH  
ASHA030GTEH / ASHA034GTEH



ASHA18/24GBCH



ASHA030/034GTEH

Specifications

| Model name                      |                |       | ASHA18GBCH                    | ASHA24GBCH      | ASHA030GTEH                   | ASHA034GTEH       |
|---------------------------------|----------------|-------|-------------------------------|-----------------|-------------------------------|-------------------|
| Power source                    |                |       | Single phase, 220-240V~, 50Hz |                 | Single phase, 220-240V~, 50Hz |                   |
| Capacity                        | Cooling        | kW    | 5.6                           | 7.1             | 9.0                           | 10.0              |
|                                 | Heating        |       | 6.3                           | 8.0             | 10.0                          | 11.2              |
| Input power                     |                | W     | 32                            | 60              | 74                            | 103               |
| Airflow rate                    | High           | m³/h  | 840                           | 1,100           | 1,440                         | 1,620/1,520       |
|                                 | Med-High       |       | -                             | -               | 1,200                         | 1,300             |
|                                 | Med            |       | 770                           | 910             | 1,050                         | 1,120             |
|                                 | Med-Low        |       | -                             | -               | 940                           | 980               |
|                                 | Low            |       | 690                           | 730             | 890                           | 890               |
|                                 | Quiet          |       | -                             | -               | 700                           | 700               |
| Sound pressure level            | High           | dB(A) | 41                            | 48              | 53                            | 55/54             |
|                                 | Med-High       |       | -                             | -               | 49                            | 51                |
|                                 | Med            |       | 39                            | 43              | 45                            | 47                |
|                                 | Med-Low        |       | -                             | -               | 42                            | 43                |
|                                 | Low            |       | 35                            | 35              | 39                            | 39                |
|                                 | Quiet          |       | -                             | -               | 33                            | 33                |
| Net Dimensions (H × W × D)      |                | mm    | 320 × 998 × 238               | 320 × 998 × 238 | 340 × 1,150 × 280             | 340 × 1,150 × 280 |
| Weight                          |                | kg    | 15                            | 15              | 18                            | 18                |
| Connection pipe diameter        | Liquid (Flare) | mm    | 6.35                          | 9.52            | 9.52                          | 9.52              |
|                                 | Gas (Flare)    |       | 12.70                         | 15.88           | 15.88                         | 15.88             |
| Drain Hose Diameter (I.D./O.D.) |                |       | 12/16                         |                 | 13.8/15.8 to16.7              |                   |

Note: Specifications are subject to the following conditions:  
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.  
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.  
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m. Voltage: 230 [V].  
When connecting ASHA18GBCH to an outdoor unit other than the outdoor unit of the J-IVL series, the pipe diameter should be Ø9.52/Ø15.88 mm (Liquid/Gas).

Optional parts

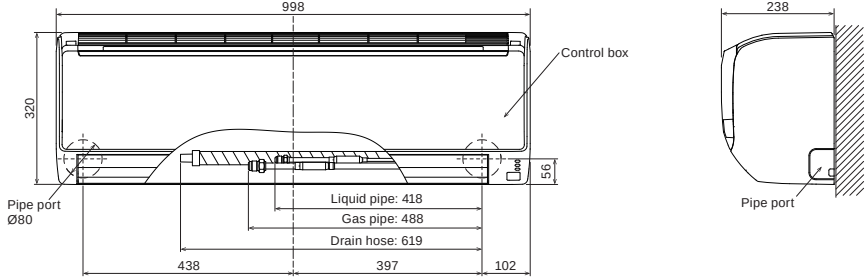
\*For more details, please refer to the chapter "Control System List" and "Optional Parts List."

External power supply unit: UTZ-GXXA, UTZ-GXXC, UTZ-GXXD  
Remote sensor kit: UTY-XSZXZ1  
Silver Ion Filter: UTR-FA13-3

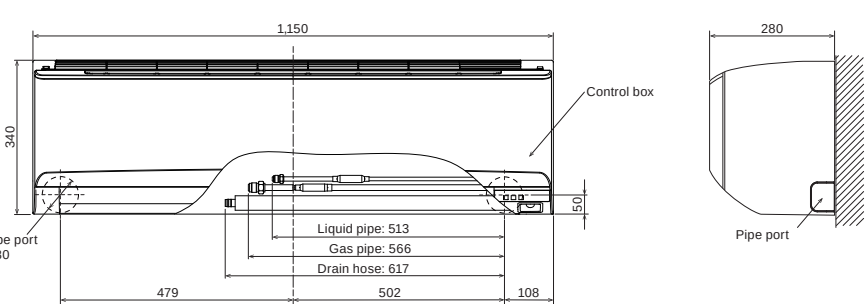
Dimensions

(Unit: mm)

Models: ASHA18/ASHA24



Models: ASHA030/ASHA034



Powerful & Comfort Airflow

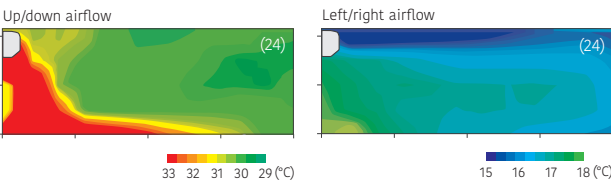
Powerful Airflow

(ASHA030GTEH)



Power diffuser

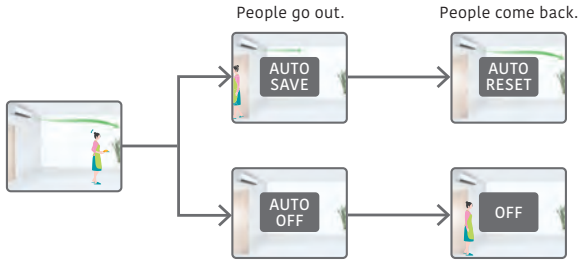
(ASHA18/24GBCH)



The Occupancy Sensor Contributes to Further Energy Savings (ASHA030/034GTEH only)

Energy saving operation starts automatically by detecting the motion of a person. Two modes of save operation mode and stop mode can be selected.

\* If you want to use the Occupancy sensor control' function, you need an setting device that can set the Occupancy sensor control' function. For example: Wired RC (Touch panel).



6-Step Fan Speed Control for Quiet Operation

The airflow pattern achieves significant noise reduction. A 6-step sound level setting allows for multiple-step quiet operations.

Quiet mode  
33 dB(A)

030/034 models

6-Step Speed

- High
- Med-High
- Med
- Med-Low
- Low
- Quiet

\* Remote controller is compatible with the following:  
UTY-RVRG / UTY-RNRGZ6 / UTY-RLRG / UTY-RSRGZ1 / UTY-RHRGZ1 / UTY-DCGGZ6 / UTY-ALGXZ1 / UTY-APGXZ1