



# Large Building

For Commercial

Fujitsu General provides modular type VRF systems that seek high efficiency, comfort, design freedom, easy installation and reliability for large commercial buildings.



## Abundant lineup suitable to match the operating environment

VRF Series lineup to meet various needs such as energy saving-orientated models.



NEW

### AIRSTAGE™ VR-IV

Cutting-edge design. Extensive lineup from 8 HP to 48 HP in 2 HP increment. Connectable indoor unit capacity ratio up to 150%

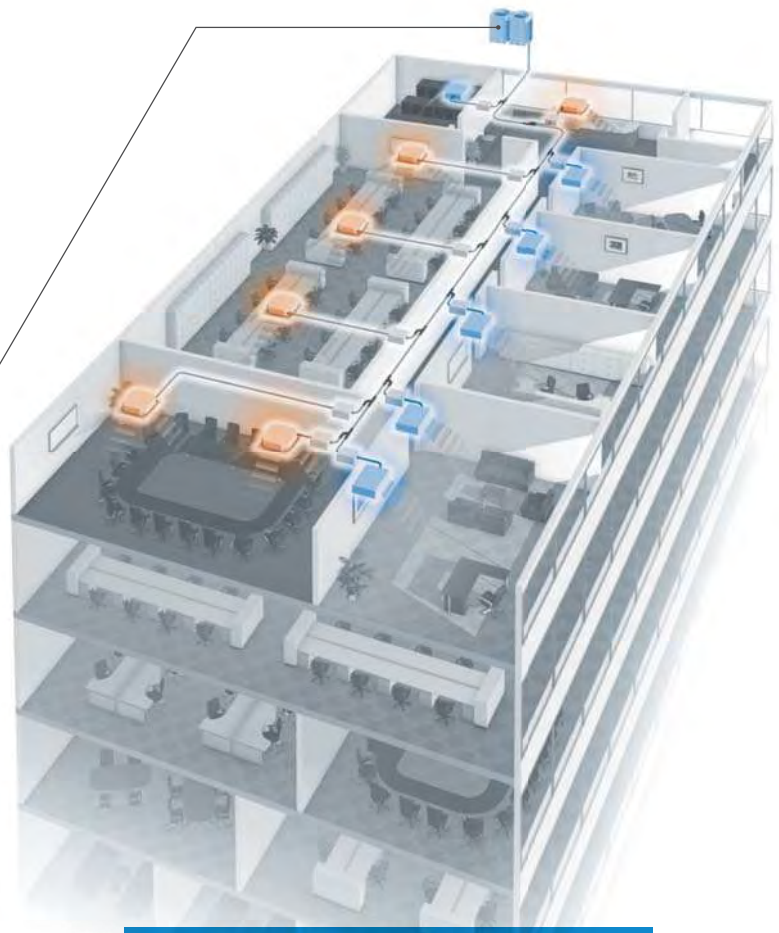
#### 8 HP - 48 HP 34 Models

- Space saving combination: 8 HP to 48 HP/21 models
- Energy efficiency combination: 16 HP to 44 HP/13 models

### AIRSTAGE™ V-III

#### 8 HP - 54 HP 39 Models

- Space saving combination: 8 HP to 54 HP/24 models
- Energy efficiency combination: 16 HP to 46 HP/ 15 models



#### Individual air conditioning system for large buildings

AIRSTAGE VR IV outdoor units provide simultaneous heating and cooling up to 48HP.

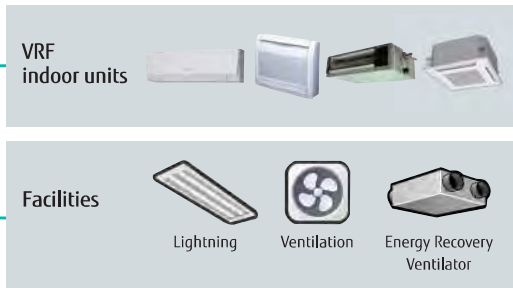
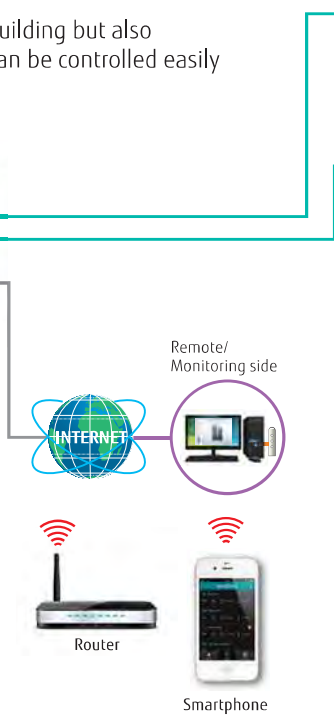


## Centralised control

Not only indoor units in the building but also facilities such as ventilation can be controlled easily by anyone.

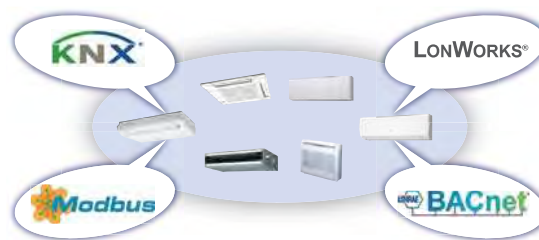


**System Controller**  
(UTY-APGX1)  
**System Controller Lite**  
(UTY-ALGX1 & UTY-PLGXX2)



## Link up with a variety of BMS

It is possible to link up MODBUS, BACnet, KNX and other interfaces via Fujitsu BMS interfaces.

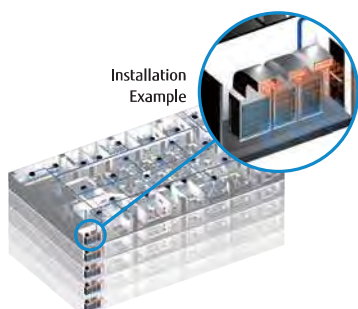


## High system flexibility

Flexible installation on each floor and installation of a variety of indoor unit styles. Outdoor units provides high static pressure, long piping design and connection capacity.

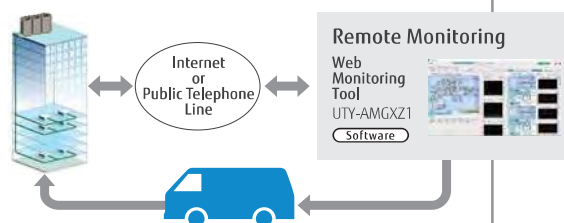
**82\* Pa**

\*: V-III, 80Pa for VR-IV



## Rapid service support

The air conditioning of the entire building can be monitored remotely with Web Monitoring Tool and System Controller.

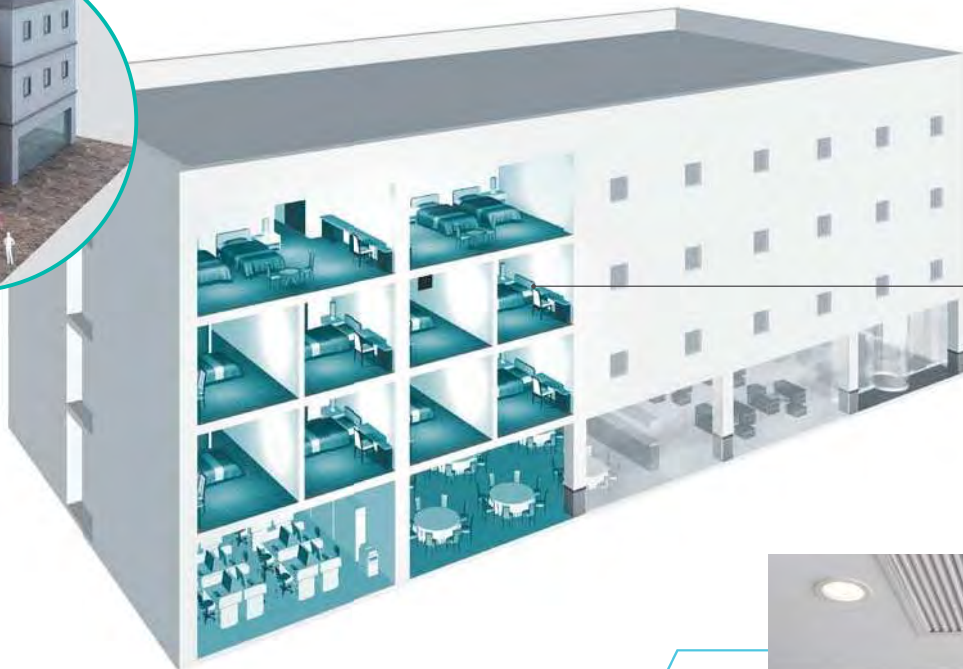
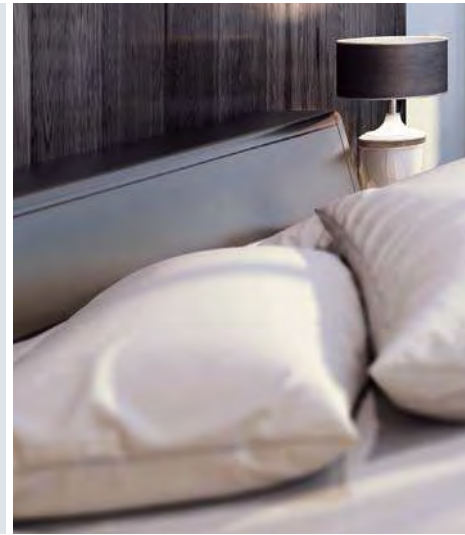




# Hotels

For Light Commercial

Fujitsu General provides total air conditioning systems that take into account comfort, energy saving, external appearance, safety and easy installation for small hotels.



J-IV

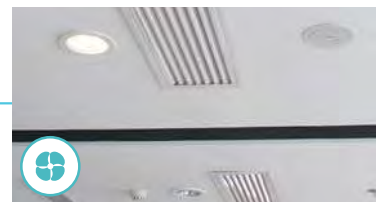
J-IVL

J-IVL  
High capacity model

NEW

## AIRSTAGE™ J Series appearance-oriented compact outdoor unit

Due to the lowest and most compact design in the industry, the outdoor units can be positioned to minimize the impact on the buildings appearance.



### Ventilation of the whole hotel supported

Outdoor air processing is essential in hotel spaces. The DX-Kit can link up with air handling units to ensure sufficient ventilation.



EEV unit

Control unit



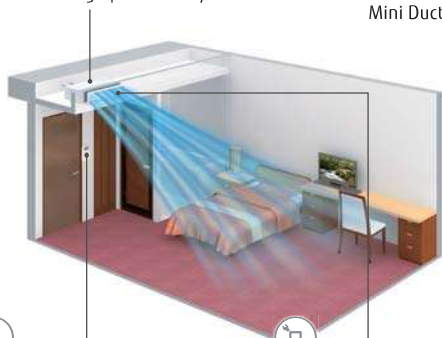
## Guest room air conditioning with excellent comfort, energy saving and easy installation

### Space saving

Mini duct type with 198 mm height and 450 mm depth. This can be installed in narrow ceiling space easily.



Mini Duct



### Card key switch available

Using the card key prevents you from forgetting to switch off the air conditioner.



Use of an external connect switch



### Comfortable airflow from vertical louvre movement

The Auto Louvre Grille Kit achieves comfortable airflow by adjusting the air direction.



Auto Louvre Grille Kit



## Centralised control of air conditioning in shared spaces

Air conditioning in shared spaces such as lobbies and hallways is controlled centrally. Temperature and operating conditions can be managed without the adjustment by guests.



System controller



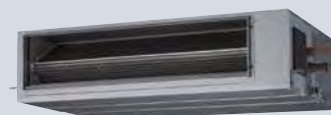
## Simple Remote Controller with sophisticated design

Suitable for hotels or offices as it is easily operated with no complex functions. Large LCD screen & simple operation buttons White coloured backlight on monitor enable easy operation in dark.



## Large space air conditioning in the reception and lobby

Ultra-large duct type single split system suitable for large spaces with high ceilings

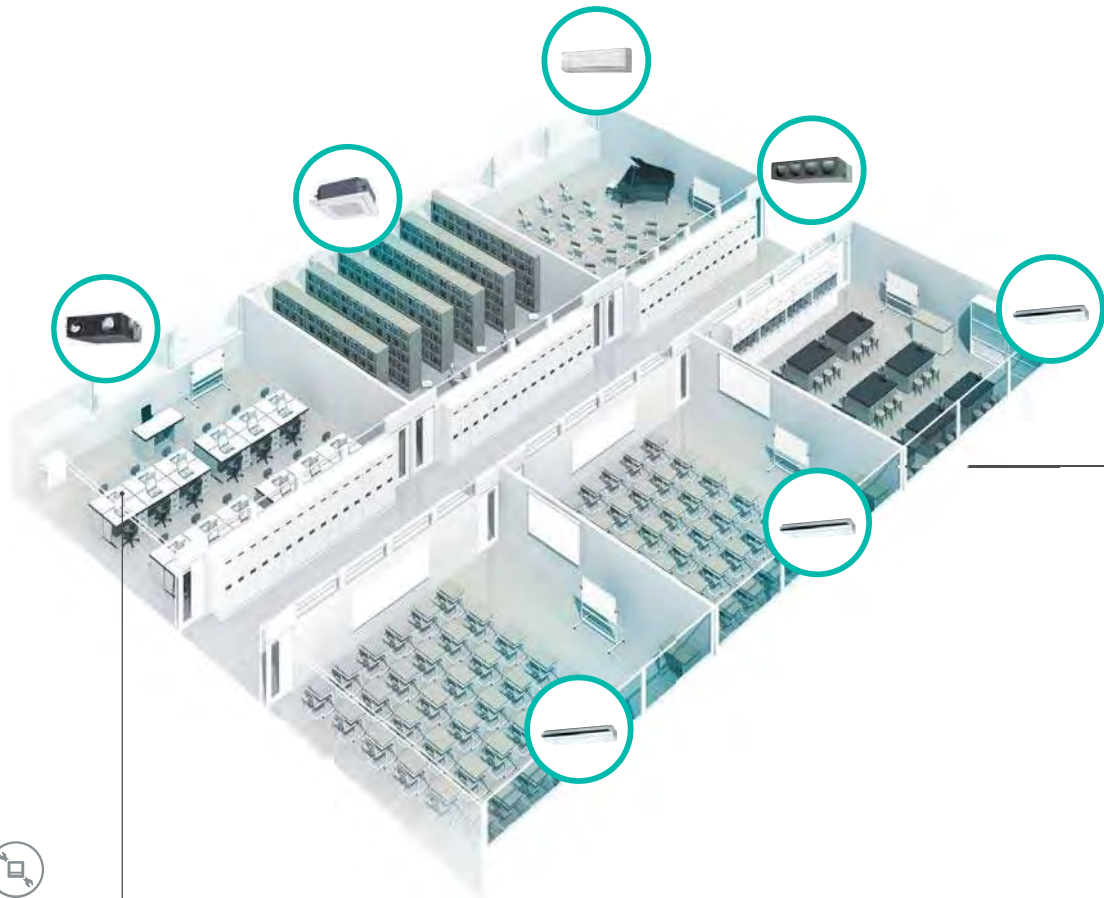




# School

## For Light Commercial

Fujitsu General provides the optimal number of connected indoor units for mid-sized educational institutions. The degree of freedom of the installation location is improved with a compact design that minimises the installation area.



### Centralised control of both air conditioning and ventilation equipment

It is possible to perform centralised control including the operation of lighting and ventilation equipment in addition to air conditioners. This is useful in energy saving management over the whole building.



System Controller Lite



Mini Duct



Medium Static Pressure Duct



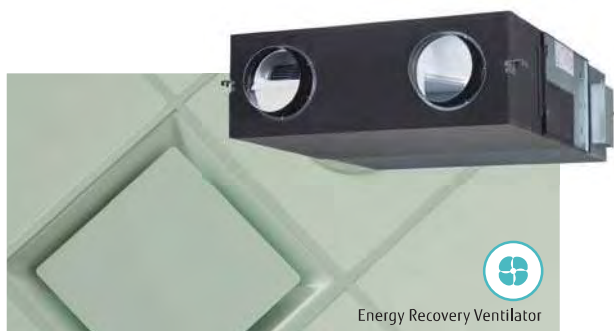
Ceiling



Wall Mounted

## Various indoor units

We have a lineup of indoor units suitable for even the most complex applications – from normal classrooms to special classrooms and auditoriums. .



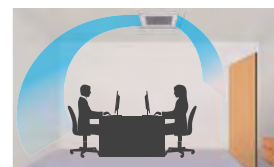
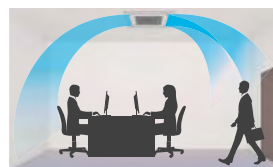
Circular Flow Cassette

Comfortable room air conditioning to all areas of the room

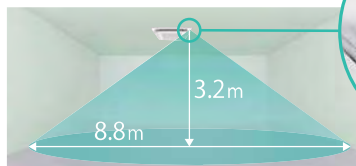
Circular Flow Cassette blows out in all directions without temperature unevenness



Individual airflow direction control to prevent people from being exposed to airflow

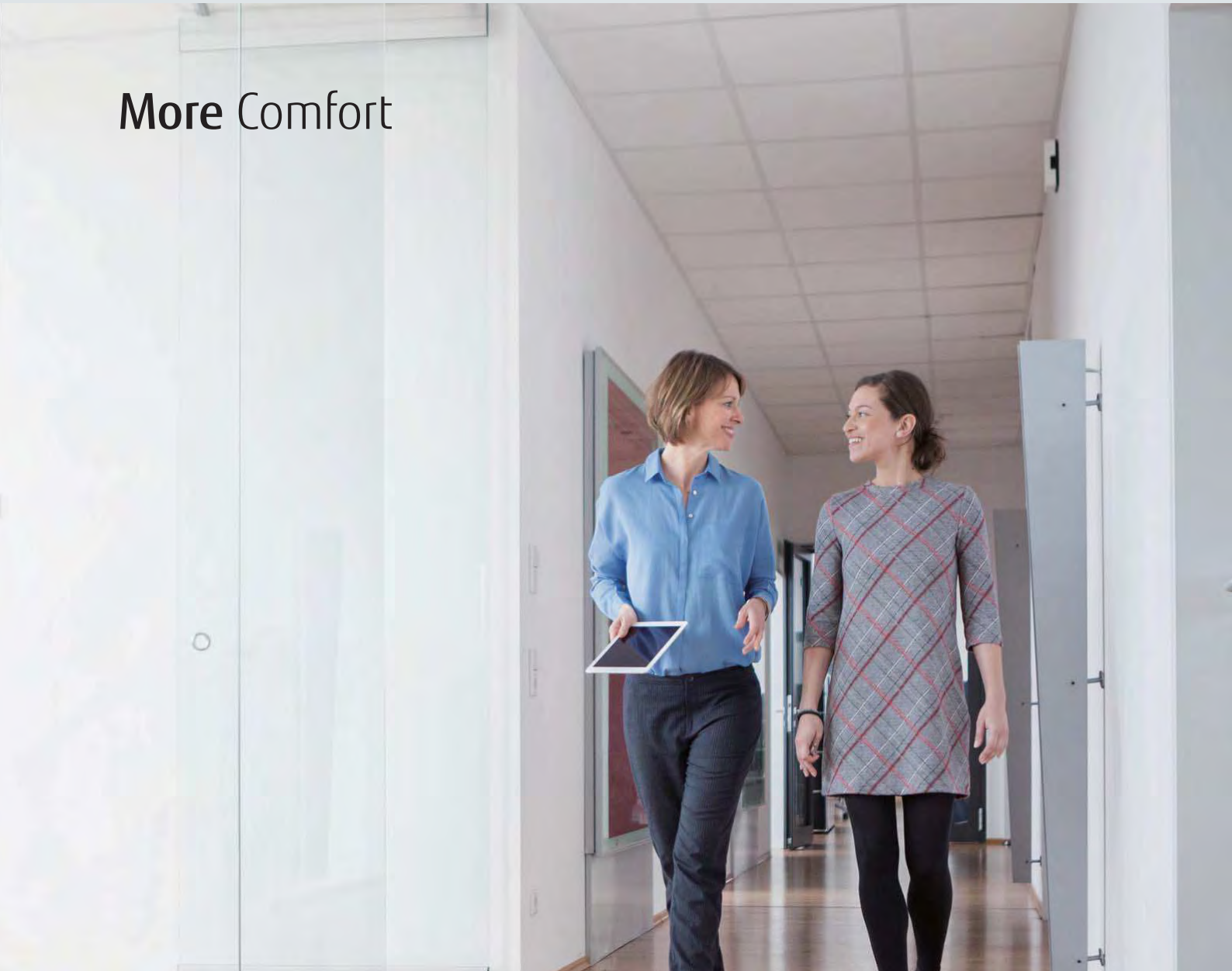


The optional human sensor reduces running costs by controlling the indoor unit based on the occupancy of the room.



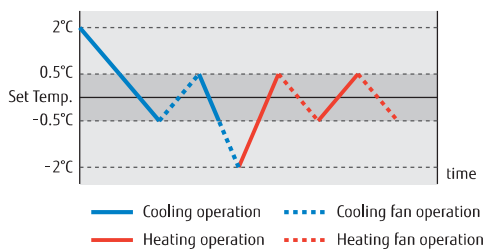
Human sensor (Option)

# More Comfort

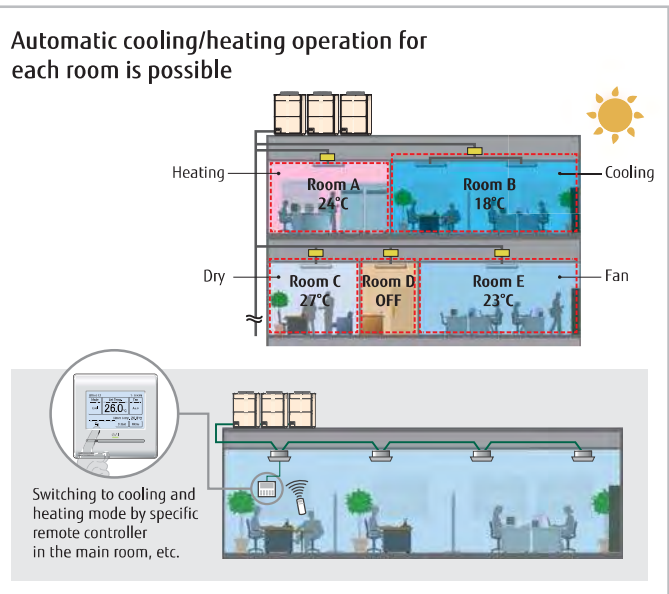


## Auto changeover function

The cooling/heating mode is automatically switched according to the set temperature and room temperature.

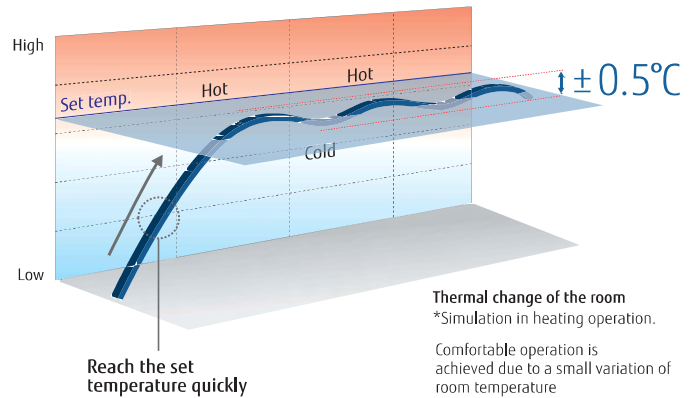


Auto changeover setting allows for the product to easily switch between cooling and heating modes regardless of the operation mode of other indoor units. This can be done via specific indoor unit with wired remote controller. This ensures comfortable operation all year round.



## Precision refrigerant flow control

Precise and smooth refrigerant flow control is achieved by using a DC Inverter control in conjunction with individual indoor unit electronic expansion valve control. This allows high precision comfortable temperature control of  $\pm 0.5^{\circ}\text{C}$ .

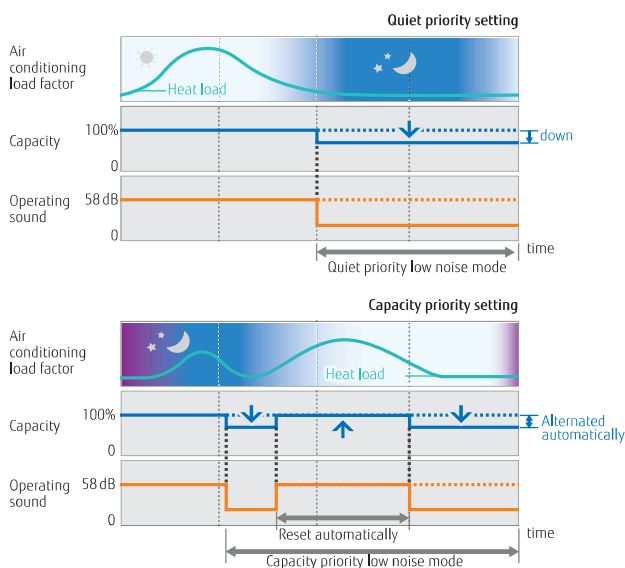


## Quiet operation



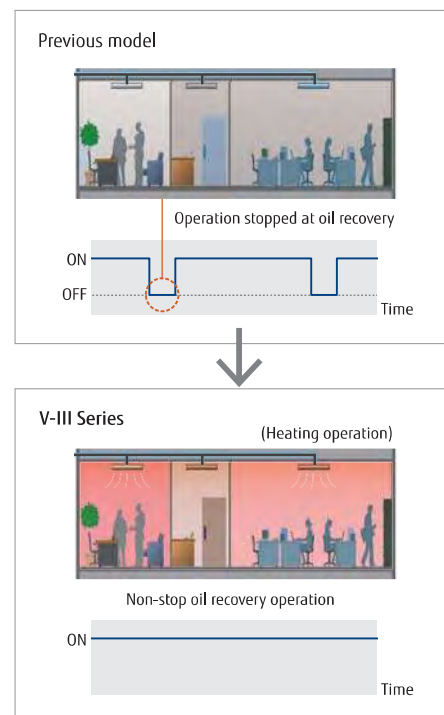
### Quiet operation

Two low noise modes can be selected automatically by quiet priority setting and capacity priority setting depending on the indoor environment and outside temperature load. This feature can be controlled via outdoor unit external input and/or 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.



## Low sound level design

Small capacity indoor units respond to the demand of several applications.

These models will be able to offer comfortable environment by operating at super low sound levels. Especially, Wall mounted (EEV external) type is 19dB(A) when low mode heating operation.

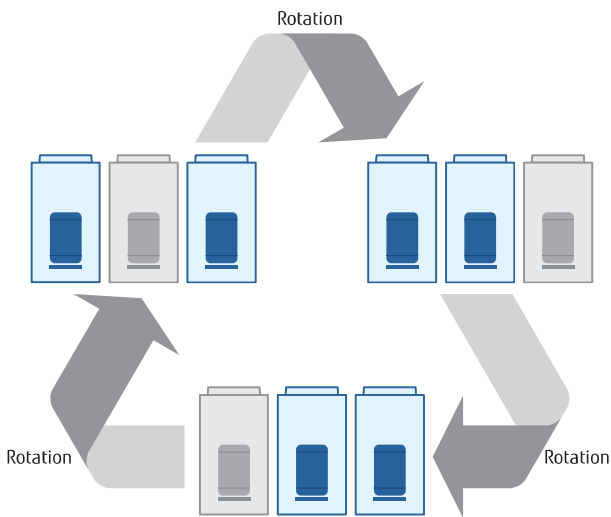




# High Reliability

## Outdoor unit rotational operation

The compressor starting order is rotated so that the running time is shared.

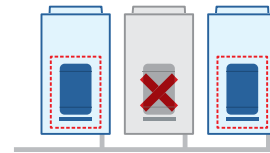


Note: Rotational operation is alternated by the start / stop timing of the compressor.

## Backup operation

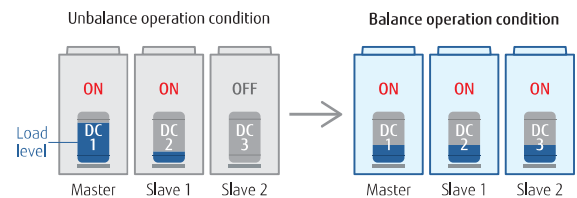
If one compressor fails, backup operation will be performed by the remaining compressors\*.

\*: Note: Backup operation may not be possible depending on the trouble state.



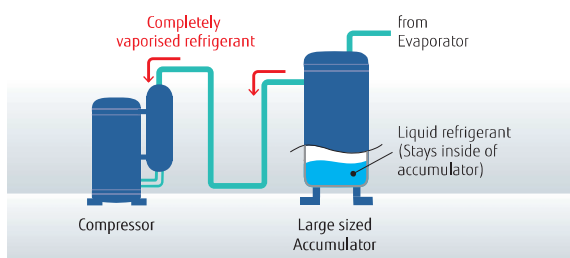
## Advanced refrigerant control

Innovative compressor control logic has been introduced in order to balance the refrigerant mass flow rate of each outdoor unit by controlling the inverter speed.



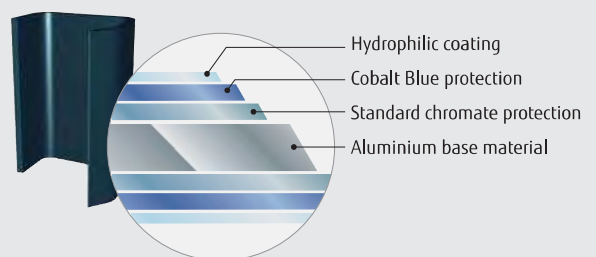
## Liquid flow back protection

By adopting a large sized accumulator, any liquid refrigerant stays inside of the accumulator to ensure no liquid refrigerant is being fed into the compressor.



## Adoption of blue fin heat exchanger

Corrosion resistance of the heat exchanger has been improved by the introduction of blue fin treatment to the outdoor unit's heat exchanger.

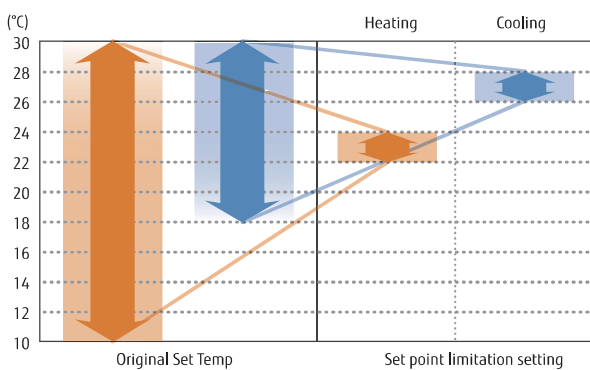


# Operation Performance is Efficiently Controlled.



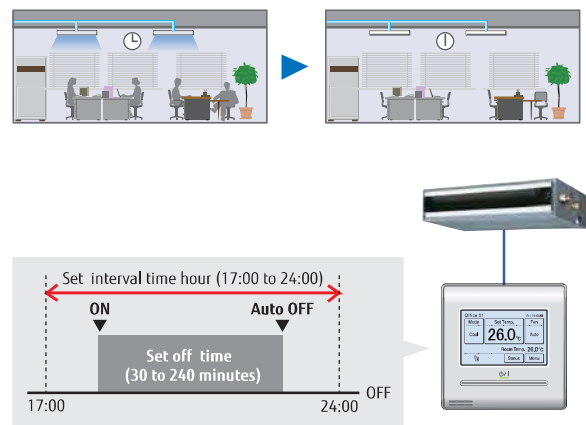
## Room temperature set point limitation

The minimum and maximum temperature ranges can be limited, which provide energy saving while maintaining the comfort of the occupants.



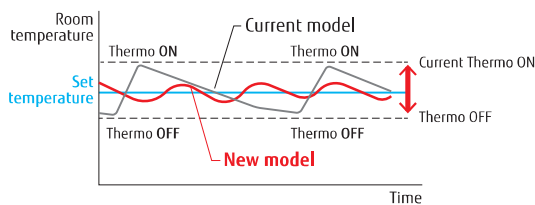
## Auto-off timer

New wired remote controller is equipped with an OFF timer function that automatically stops operation when a fixed time has elapsed from the start of operation. This prevents wasted energy.



## New intelligent refrigerant control

New refrigerant control can be operated with suitable control corresponding to heat load of the room and can offer a more comfortable space. New refrigerant control can also provide more energy savings.

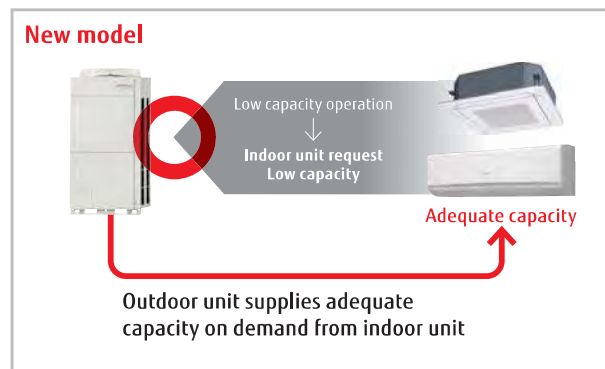
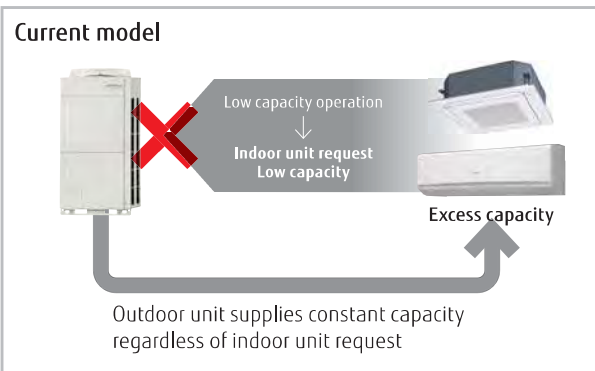


### Current refrigerant control

Thermostat-ON/OFF occurs frequently.  
→ The comfort is not good since room temperature often changes. Energy saving is not good since compressor is repeatedly starting and stopping frequently.

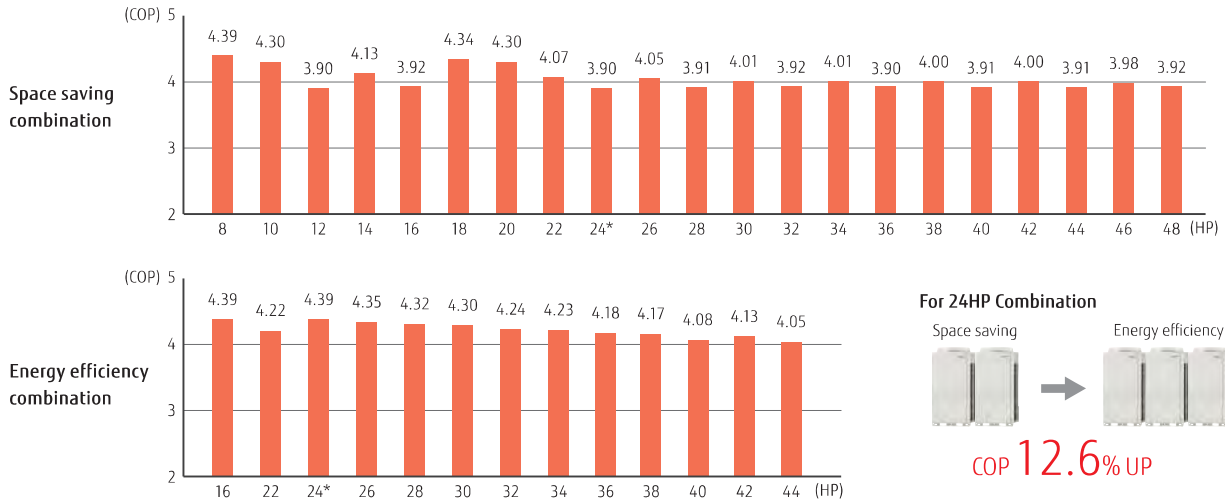
### New refrigerant control

Room target temperature is maintained as thermostat-ON/OFF occurs less than Current control. Energy saving is also improved.



## Efficiency in actual operation

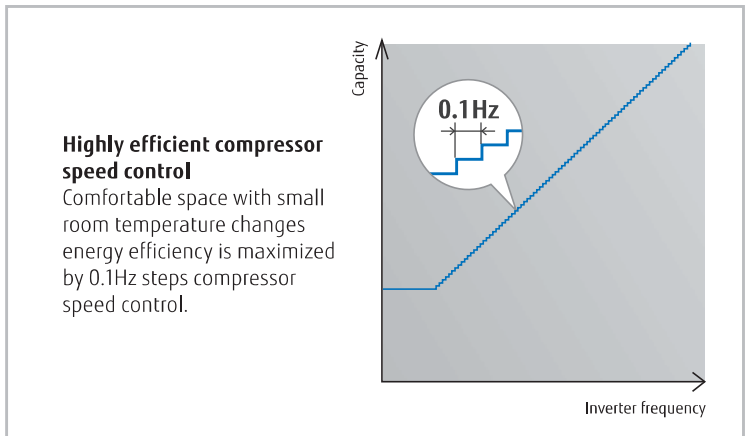
Top class high COP(Max. Heating) is achieved for all combinations by our unique heat exchanger structure, and highly efficient DC twin compressor.



## All inverter compressor

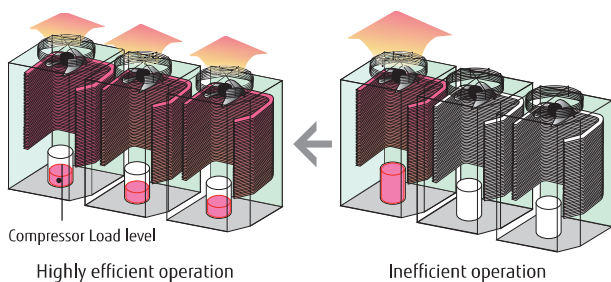
### Large capacity DC inverter compressor

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



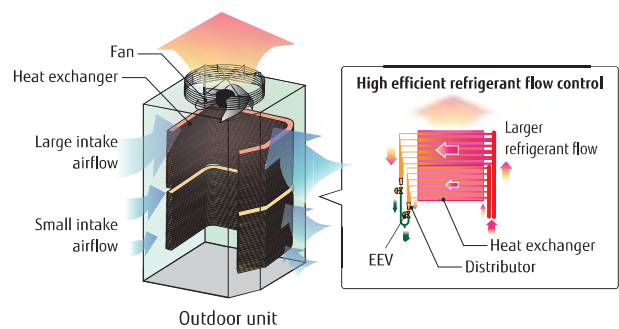
## Multiple outdoor operation control

When multiple outdoor units are connected a sophisticated operation is performed by each compressor. Rather than running one compressor at full load and distributing refrigerant to one heat exchanger, this control method operates all compressors at part load and distributes refrigerant to all of the heat exchangers which allows for the overall system efficiency to be improved.



## Heat exchanger refrigerant control

The heat exchanger in the outdoor unit is split into two parts (Top and Bottom). 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 air flow intake.

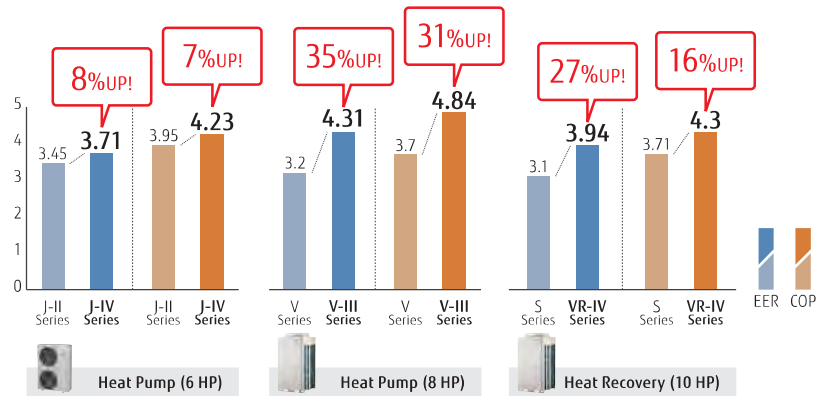


# High Efficiency

Efficiency is improved significantly by using DC twin rotary compressor, inverter technology, and large heat exchanger



DC twin rotary compressor



## ALL DC High efficiency design with top class SEER/SCOP

All VRF Series including J-IVL Series have DC technology to realise the high efficiency operation. This enhances the durability and reliability of VRF Series.



J-IVL Series

J-IV Series

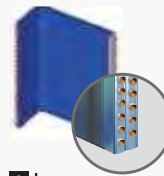
J-IVS Series



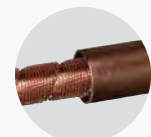
1 DC fan motor



3 DC inverter control



2 Large heat exchanger



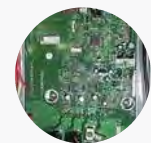
4 Subcool heat exchanger



V Series



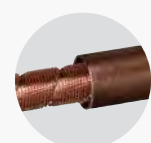
1 3 phases DC fan motor



3 Sine-wave DC inverter control



2 Large heat exchanger



4 Subcool heat exchanger

# Design Flexibility



## Top class Compact design



Compact outdoor units are at the top of the class in the industry with an optimal compact design. (Up to 18 HP)

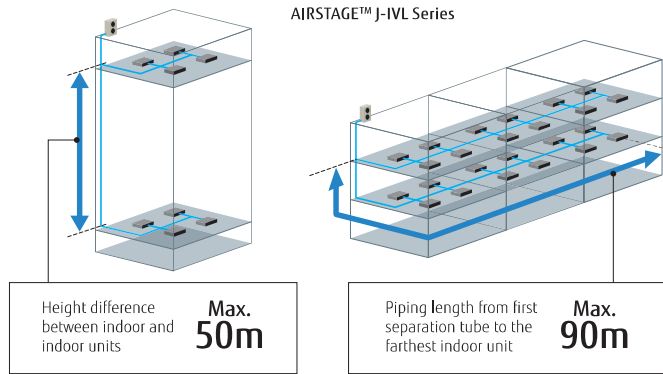


## Long piping design



Piping design suitable for long, narrow office buildings with a large elevation difference are also possible.

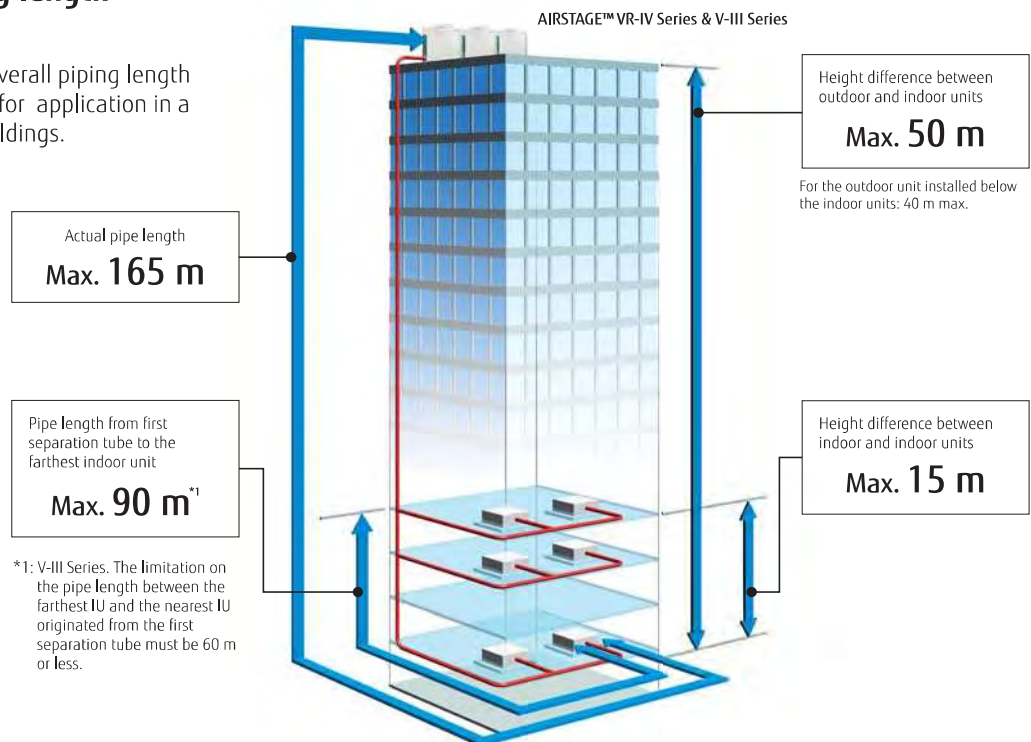
(AIRSTAGE™ J-IVL Series)



## Overall piping length Max. 1,000 m



World's top class overall piping length of 1,000 m allows for application in a wide variety of buildings.



## High capacity connection

Series	Connectable indoor unit capacity range	Connectable indoor unit number
AIRSTAGE™ J-IVL Series 14/16/18 HP Heat Pump type	50% to 150%* <sup>2</sup>	up to 42* <sup>4</sup>
AIRSTAGE™ J-IVL Series 8/10/12 HP Heat Pump type	50% to 150%* <sup>2</sup>	up to 30* <sup>5</sup>
AIRSTAGE™ J-IV Series Heat Pump type	50% to 150%* <sup>2</sup>	up to 14* <sup>6</sup>
AIRSTAGE™ J-IVS Series Heat Pump type	50% to 130%* <sup>2</sup>	up to 13
AIRSTAGE™ VR-IV Series Heat Recovery Modular type	25%* <sup>7</sup> to 150%* <sup>2</sup>	up to 64
AIRSTAGE™ V-III Series Heat Pump Modular type	50% to 150%* <sup>3</sup>	up to 64

\*2: Conditions of maximum connectable indoor unit capacity ratio is as the chart.

\*3: Max. capacities in the combinations including the 18 HP outdoor unit fall below 150%.

\*4: J-IVL Series 18 HP model only.

\*5: J-IVL Series 12 HP model only.

\*6: J-IV Series 6 HP model only.

\*7: For modular type, 25% to 49.9% operation in the entire system is available. (by one unit operation)



### Designed for low refrigerant charge

Optimal design of indoor unit and outdoor unit reduces the refrigerant volume and special detection is not required even when installing in a small room of about 15 m<sup>2</sup>.



### Various optional parts

- Intake fresh air with our Fresh Air Intake kit
- Comfortable temperature control with a remote sensor
- Operation by linking up to ventilation equipment and air handling unit with the DX-Kit



Fresh Air Intake kit



EEV unit



Control unit



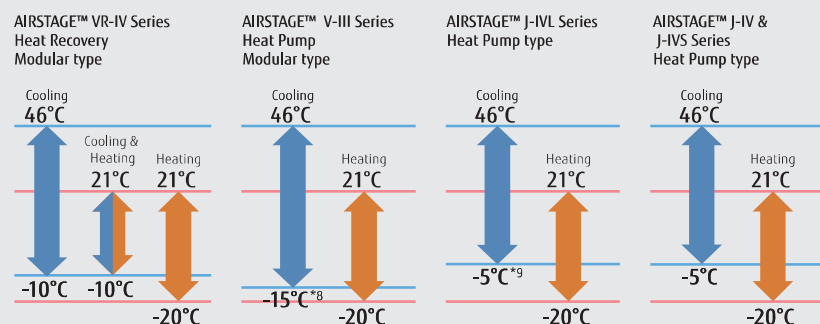
### Low ambient operation

Refrigeration cycle technology allows cooling operation even at -15°C.



## Wide operating range

Installation in extreme temperature conditions is possible due to an increase in operational range.



\*8: Note: When a multiple outdoor unit connection is used, operating range is from -5°C to 46°C in cooling.

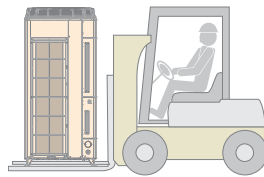
\*9: Only when all indoor units are 5.6 kW or more in the system, the operation range is -15°C to 46°C.

# Easy Installation

## Easily transported



**Easily craned using lifting belt hooks**  
Design of outdoor unit allows for lifting straps to be used



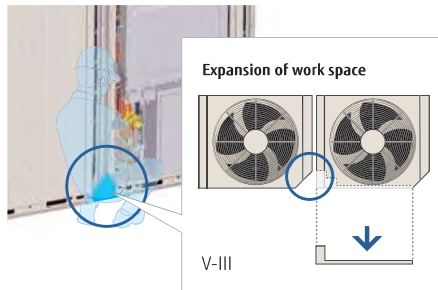
**Transporting by forklift**  
Transport with forklift is possible.



**Can be transported in a small elevator**

## Easy access

By adopting a L-Shape front panel that can be removed, the workspace for installation and service has been significantly expanded by this new design. For multiple installations, work is performed easily and efficiently even in a narrow space.



**Reduced installation intervals by front access**

## Flexible piping connection

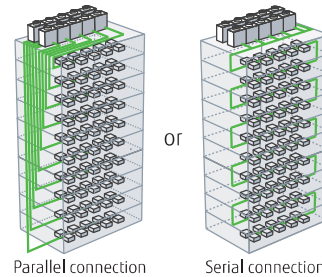
Piping and wiring are available to the front, left and right, and bottom.





### Simple wiring work

Installation of the wiring systems is made easier as the communication wiring can be installed in parallel or in series between the indoor, outdoor and RB units.

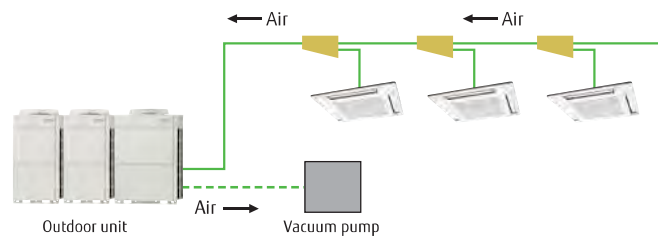


Up to maximum length  
**3,600 m**

Note: Serial connection can't use the automatic address setting in a multiple refrigerant system.

### Easy evacuation - using vacuum mode function

The vacuum mode function enables all expansion valves of indoor units to be fully opened, making it easy to evacuate all the air inside pipe lines and indoor units.



### Automatic address setting

The address of the indoor unit, RB unit and signal amplifier through the automatic function setting on the outdoor unit PCB.

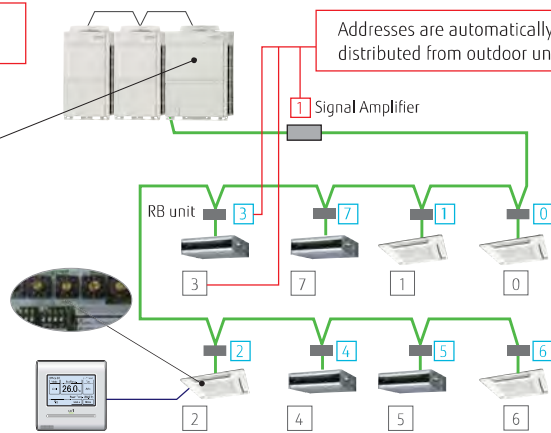
Automatic address setting is performed at outdoor unit

Addresses are automatically distributed from outdoor unit.



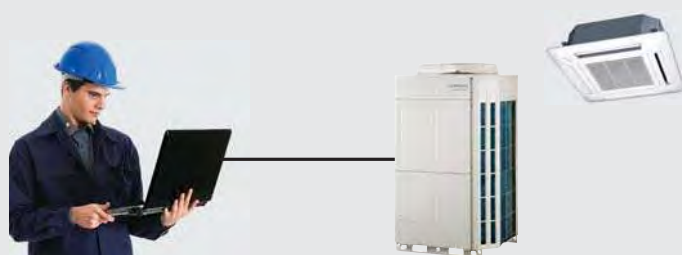
Press the push button of outdoor unit.

Manual address setting from indoor unit and remote controller is also possible.



### Easy commissioning by Service Tool

Service tools can be used to check the refrigerant temperature, pressure, and the operating status of the electronic expansion valve, making it easy to determine whether the units are connected properly.

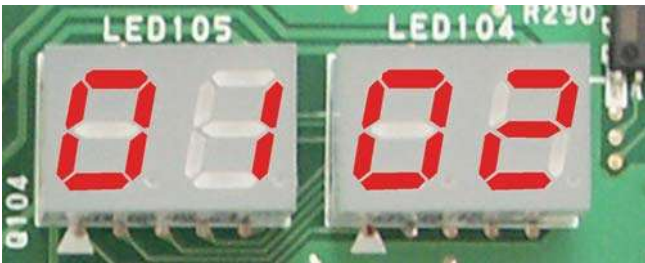




# Easy Service & Maintenance

## Design for Easy Maintenance

7 segment LED is used to make it easy to check the details about the function setting status, refrigerant temperature, pressure, compressor operation time, and other factors for each model to make it easy to perform self-diagnostics.

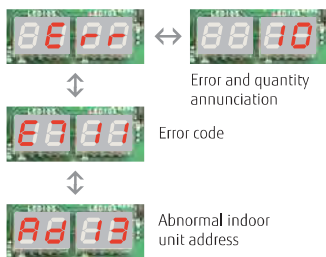


### Easy to read 7-segment LED :

Confirm detailed operational and error status without using any specific equipment.

### Error status can be checked easily by outdoor unit display

- Operation mode status
- Discharge temperature/Pressure status
- Compressor operation indication
- Address/type/number of outdoor unit



- Error status can be checked easily by outdoor unit display

### Movable PCB panel

Easier for maintenance work behind the PCB





## Error status can be checked easily via the indoor unit wired controller

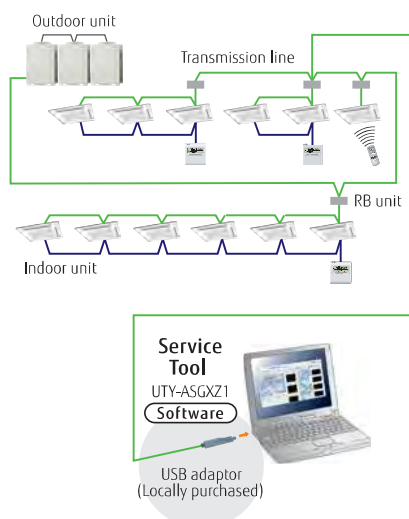
An error code is displayed on a liquid crystal screen.

Simple Remote Controller	Wired Remote Controller (Touch panel)																																			
<p>Remote controller address</p> <p>Error code</p>	<p>Error status / Error history</p> <table border="1"> <thead> <tr> <th>No.</th> <th>Date</th> <th>Time</th> <th>Address</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2012/7/1</td> <td>11:30AM</td> <td>002-01</td> <td>143</td> </tr> <tr> <td>2</td> <td>2012/7/20</td> <td>2:53PM</td> <td>002-01</td> <td>143</td> </tr> <tr> <td>3</td> <td>2012/7/25</td> <td>8:53AM</td> <td>002-01</td> <td>143</td> </tr> <tr> <td>4</td> <td>2012/7/25</td> <td>11:30AM</td> <td>002-01</td> <td>141</td> </tr> <tr> <td>5</td> <td>2012/7/27</td> <td>11:30AM</td> <td>002-01</td> <td>141</td> </tr> <tr> <td>6</td> <td>2012/7/31</td> <td>11:30AM</td> <td>002-01</td> <td>141</td> </tr> </tbody> </table>	No.	Date	Time	Address	Code	1	2012/7/1	11:30AM	002-01	143	2	2012/7/20	2:53PM	002-01	143	3	2012/7/25	8:53AM	002-01	143	4	2012/7/25	11:30AM	002-01	141	5	2012/7/27	11:30AM	002-01	141	6	2012/7/31	11:30AM	002-01	141
No.	Date	Time	Address	Code																																
1	2012/7/1	11:30AM	002-01	143																																
2	2012/7/20	2:53PM	002-01	143																																
3	2012/7/25	8:53AM	002-01	143																																
4	2012/7/25	11:30AM	002-01	141																																
5	2012/7/27	11:30AM	002-01	141																																
6	2012/7/31	11:30AM	002-01	141																																

## Error diagnosis by Service Tool

### Connection to Service Tool

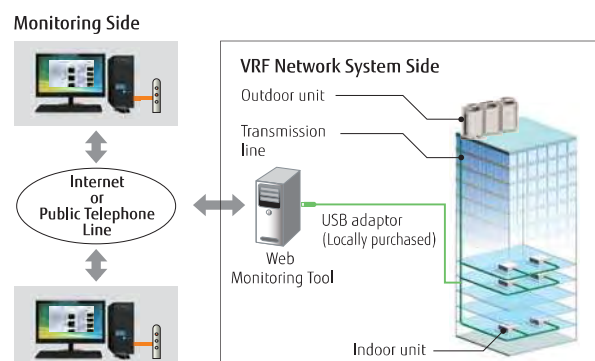
- Detailed operation status and recent error history can be checked and analysed by using the Service Tool.
- Last 5 min. operation memory can also be recorded.



## Remote monitoring

The Web Monitoring system allows you to view system operation anytime over the internet, ensuring issue free operation.

The operating VRF network system in the building can be monitored real time over the Internet.



# AIRSTAGE™ V Series Overview

AIRSTAGE™ V Series Systems can be designed to effectively provide an air conditioning solution from a large domestic residence through to a large scale commercial building.



**NEW** Max. **48 HP** Heat Recovery  
**AIRSTAGE™ VR-IV**

Smart and cutting-edge design.  
 Extensive lineup from 8 HP to 48 HP in 2 HP increment.  
 Connectable indoor unit capacity ratio up to 150%

**Simultaneous cooling and heating operation using 1 refrigerant system**

Cooling and heating can be freely selected for each indoor unit to provide simultaneous cooling and heating in rooms with different temperature requirements.

**Annual cooling operation**

Use annual cooling operation for the rooms and other spaces that require constant temperature control throughout the year.

**Handles changes in the temperature difference**

The operation mode can be freely changed when there are large temperature differences during the day, such as between seasons.



Max. **54 HP** Heat Pump  
**AIRSTAGE™ V-III**

Smart and cutting-edge design.  
 Extensive lineup from 8 HP to 54 HP in 2 HP increment.  
 Connectable indoor unit capacity ratio up to 150%

**Excellent energy saving**

Heat pump inverter type achieves high energy savings for individual cooling and heating operation by all inverter technology for seasonal efficiency.

**High design flexibility for various building air conditioning**

High design flexibly meets the various needs of high-rise building air conditioning such as outdoor unit roof top concentrated installation and each floor installation by large capacity combination, sufficient connection capacity, and high static pressure design.

**Easy installation and maintenance**

The flexible communication method and piping connections make installation and maintenance easy even for large systems.

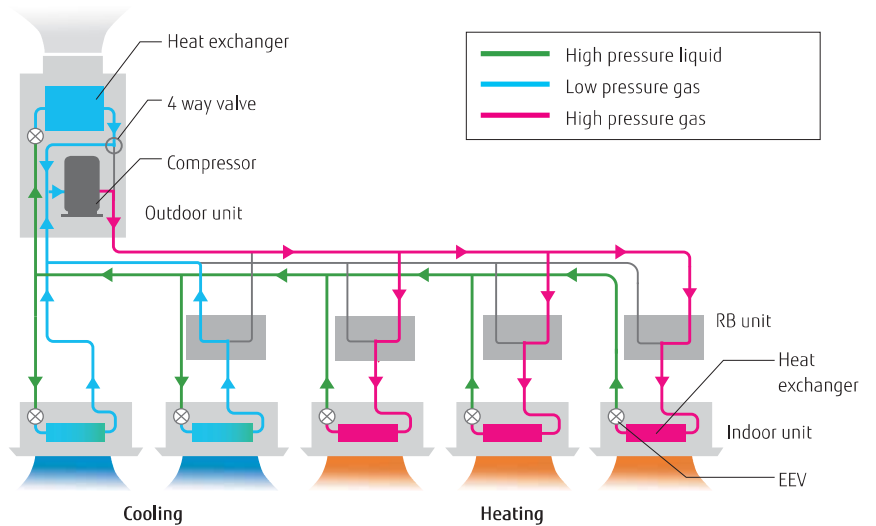
# Heat Recovery Modular Type

**AIRSTAGE VR-II**

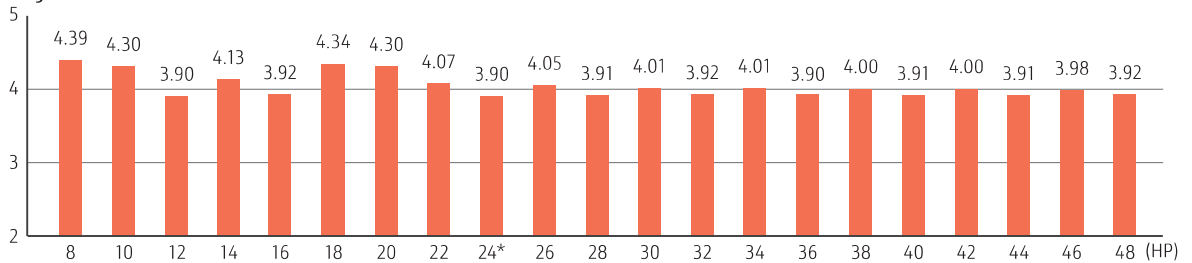


## High Operating Energy Efficiency

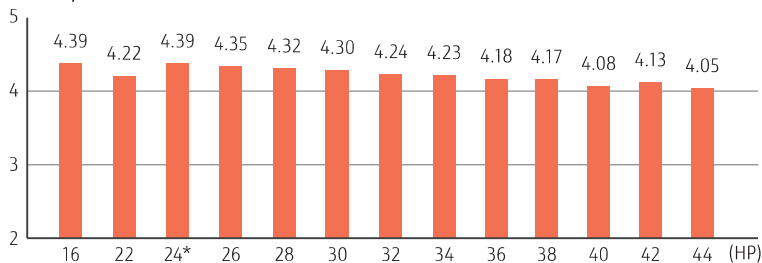
Our Heat recovery systems achieve high operating energy efficiency by drawing heat from the room to be cooled and transferring it as energy for rooms that are to be heated.



Space saving combination (COP)



Energy efficiency combination (COP)



For 24HP Combination



**COP 12.6% UP**

8,10,12HP : AJYA72GALH / AJYA90GALH / AJY108GALH  
 14,16HP : AJY126GALH / AJY144GALH



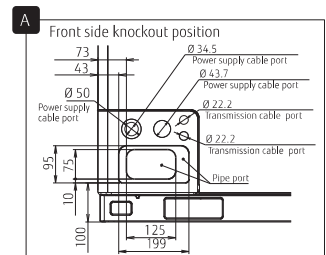
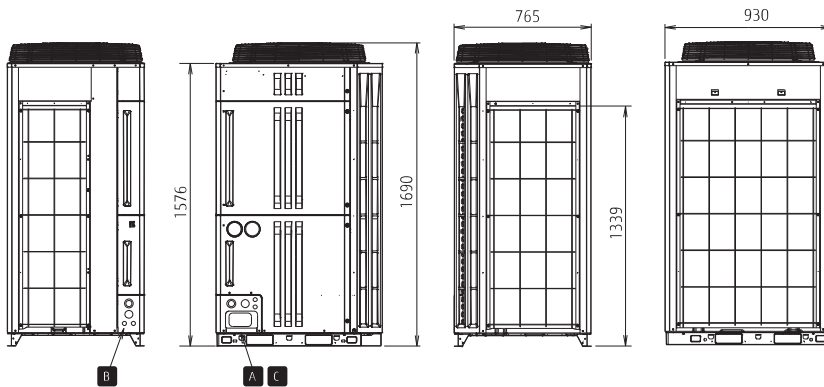
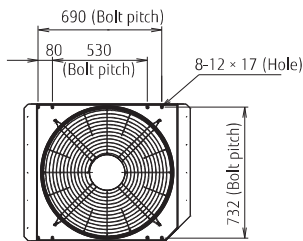
8, 10, 12 HP

14, 16 HP

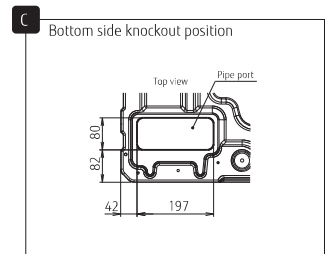
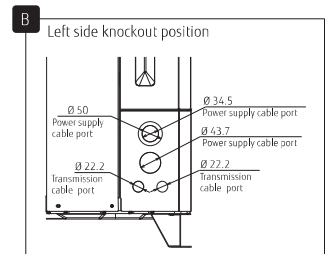
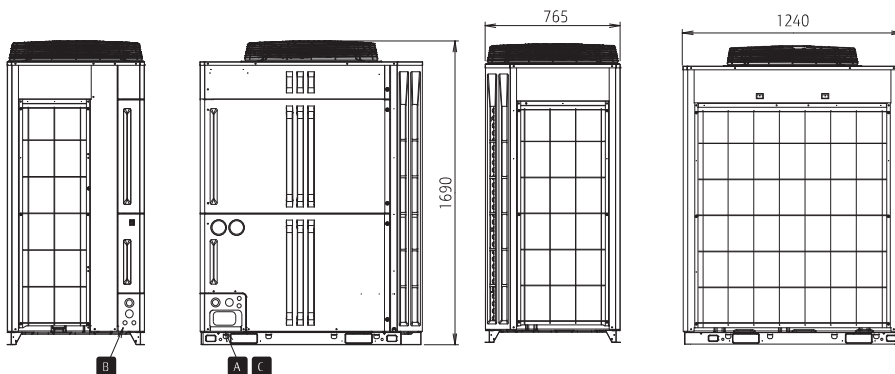
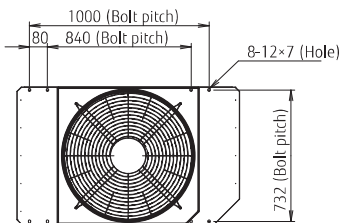
## Dimensions

(Unit : mm)

### 8, 10, 12 HP






### 14, 16 HP





Outdoor unit specifications

Space Saving Combination

Rating Capacity range	HP	8	10	12	14	116	18	20	22	24	
											
Set Model name		AJYA72GALH	AJYA90GALH	AJY108GALH	AJY126GALH	AJY144GALH	AJY162GALH	AJY180GALH	AJY198GALH	AJY216GALH	
Unit 1 Unit 2 Unit 3		AJYA72GALH	AJYA90GALH	AJY108GALH	AJY126GALH	AJY144GALH	AJYA90GALH AJYA72GALH	AJYA90GALH AJYA90GALH	AJY108GALH AJYA90GALH	AJY108GALH AJY108GALH	
Maximum Connectable Indoor Unit*1		15	16	17	21	24	27	30	32	35	
Indoor unit connectable capacity	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	30.8-92.2	33.5-100.5	
Power source		3-phase 4 wire , 400 V, 50Hz									
Capacity	Cooling	kW	22.4	28.0	33.5	40.0	45.0	50.4	56.0	61.5	67.0
	Heating		25.0	31.5	37.5	45.0	50.0	56.5	63.0	69.0	75.0
Input power	Cooling	kW	5.45	7.11	9.75	11.34	13.61	12.56	14.22	16.86	19.50
	Heating		5.70	7.33	9.62	10.90	12.77	13.03	14.66	16.95	19.24
EER/SEER (LOT21)	Cooling	W/W	4.11/5.68	3.94/5.44	3.44/5.36	3.53/5.79	3.31/5.47	4.01	3.94	3.65	3.44
COP/SCOP (LOT21)	Heating	W/W	4.39/3.62	4.30/3.51	3.90/3.52	4.13/4.11	3.92/4.09	4.34	4.30	4.07	3.90
Airflow rate		m³/h	11,100	11,100	11,100	13,000	13,000	11,100×2	11,100×2	11,100×2	11,100×2
Sound pressure level*2/ Power level	Cooling	dB(A)	56 / 77	58 / 79	59 / 80	60 / 81	61 / 82	60 / 81	61 / 82	62 / 83	62 / 83
	Heating		58 / 80	59 / 81	61 / 83	61 / 83	61 / 83	62 / 84	62 / 84	63 / 85	64 / 86
Maximum external static pressure		Pa	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
Minimum Recommended MCB		AMP	20	25	25	40	40	25 + 20	25 + 25	25 + 25	25 + 25
Net Dimensions	Height	mm	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	930×2	930×2	930×2	930×2
	Depth		765	765	765	765	765	765	765	765	765
Weight		kg	262	262	262	286	286	262×2	262×2	262×2	262×2
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Charge	kg	11.8	11.8	11.8	11.8	11.8	11.8×2	11.8×2	11.8×2	11.8×2
Connection pipe diameter	Liquid	Inch	1/2	1/2	1/2	1/2	1/2	5/8	5/8	5/8	5/8
	Discharge Gas		5/8	3/4	3/4	7/8	7/8	7/8	7/8	1 1/8	1 1/8
	Suction Gas		7/8	7/8	1 1/8	1 1/8	1 1/8	1 1/8	1 1/8	1 3/8	1 3/8
Operation 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
	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
	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

Energy Efficiency Combination

Rating Capacity range	HP	16	22	24	26	28	30	
								
Set Model name		AJY144GALHH	AJY198GALHH	AJY216GALHH	AJY234GALHH	AJY252GALHH	AJY270GALHH	
Unit 1 Unit 2 Unit 3		AJYA72GALH AJYA72GALH	AJY126GALH AJYA72GALH	AJYA72GALH AJYA72GALH AJYA72GALH	AJYA90GALH AJYA72GALH AJYA72GALH	AJYA90GALH AJYA90GALH AJYA72GALH	AJYA90GALH AJYA90GALH AJYA90GALH	
Maximum Connectable Indoor Unit*1		24	33	36	39	42	45	
Indoor unit connectable capacity	kW	22.4-67.2	31.2-93.6	33.6-100.8	36.4-109.2	39.2-117.6	42.0-126.0	
Power source		3-phase 4 wire , 400 V, 50Hz						
Capacity	Cooling	kW	44.8	62.4	67.2	72.8	78.4	84.0
	Heating		50.0	70.0	75.0	81.5	88.0	94.5
Input power	Cooling	kW	10.90	16.79	16.35	18.01	19.67	21.33
	Heating		11.40	16.60	17.10	18.73	20.36	21.99
EER	Cooling	W/W	4.11	3.72	4.11	4.04	3.99	3.94
COP	Heating	W/W	4.39	4.22	4.39	4.35	4.32	4.30
Airflow rate		m³/h	11,100×2	13,000+11,100	11,100×3	11,100×3	11,100×3	11,100×3
Sound pressure level*2/ Power level	Cooling	dB(A)	59 / 80	61 / 82	61 / 82	62 / 83	62 / 83	63 / 84
	Heating		61 / 83	63 / 85	63 / 85	63 / 85	63 / 85	64 / 86
Maximum external static pressure		Pa	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
Minimum Recommended MCB		AMP	20 + 20	40 + 20	20 + 20 + 20	20 + 20 + 20	25 + 25 + 20	25 + 25 + 25
Net Dimensions	Height	mm	1,690	1,690	1,690	1,690	1,690	1,690
	Width		930×2	1,240+930	930×3	930×3	930×3	930×3
	Depth		765	765	765	765	765	765
Weight		kg	262×2	286+262	262×3	262×3	262×3	262×3
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	R410A
	Charge	kg	11.8×2	11.8×2	11.8×3	11.8×3	11.8×3	11.8×3
Connection pipe diameter	Liquid	Inch	1/2	5/8	5/8	5/8	5/8	3/4
	Discharge Gas		7/8	1 1/8	1 1/8	1 1/8	1 1/8	1 1/8
	Suction Gas		1 1/8	1 3/8	1 3/8	1 3/8	1 3/8	1 3/8
Operation range	Cooling	°CDB	-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
	Cooling/Heating		-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 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.

When cooling operation will be conducted at outdoor air temperature below -5°C, the outdoor unit must be installed in a position that is higher than or equal to those of indoor units.





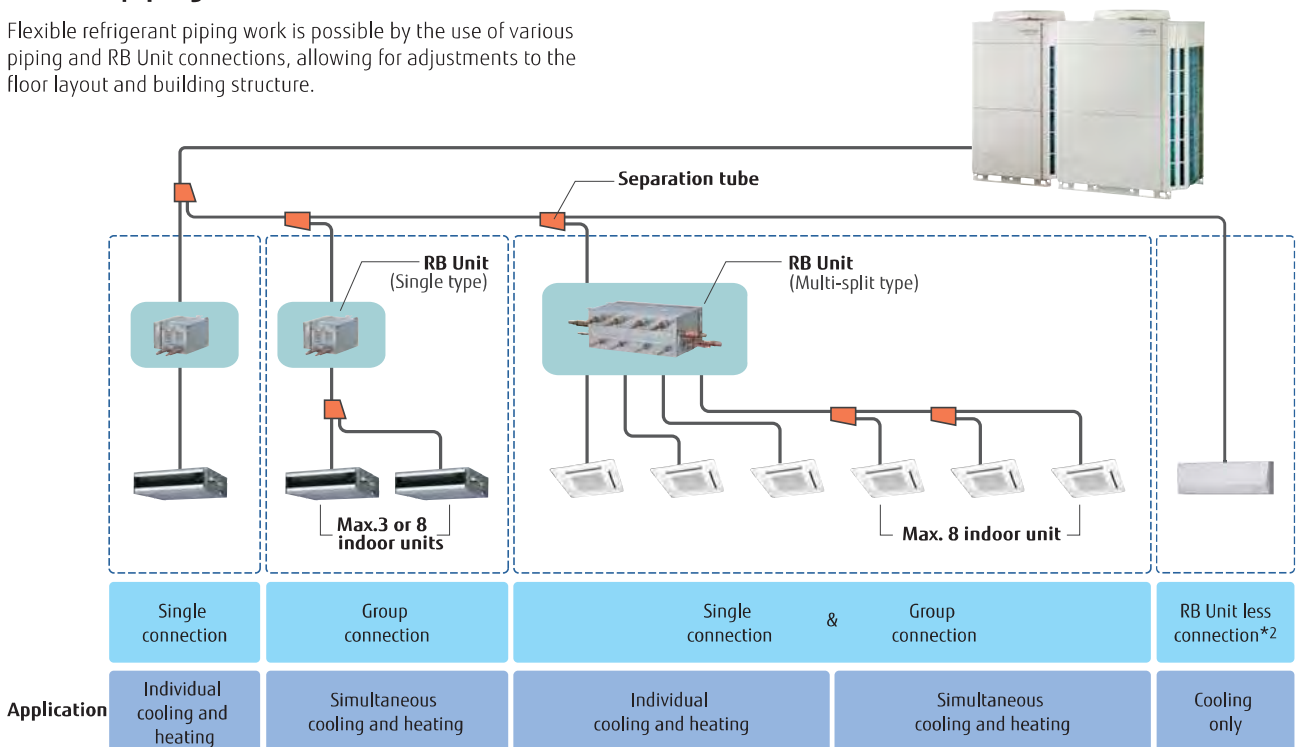
# Heat Recovery

Modular Type



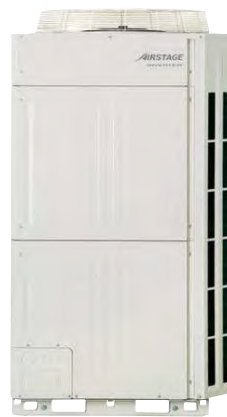
## Flexible piping connection

Flexible refrigerant piping work is possible by the use of various piping and RB Unit connections, allowing for adjustments to the floor layout and building structure.



- The RB unit can be freely positioned between the first branch and the indoor unit.
- The maximum height difference between RB units is 15 m.
- \* 2. RB Unit is not necessary for cooling only use.

8,10,12HP : AJY072GALBH / AJY090GALBH / AJY108GALBH  
 14,16HP : AJY126GALBH / AJY144GALBH



8, 10, 12 HP

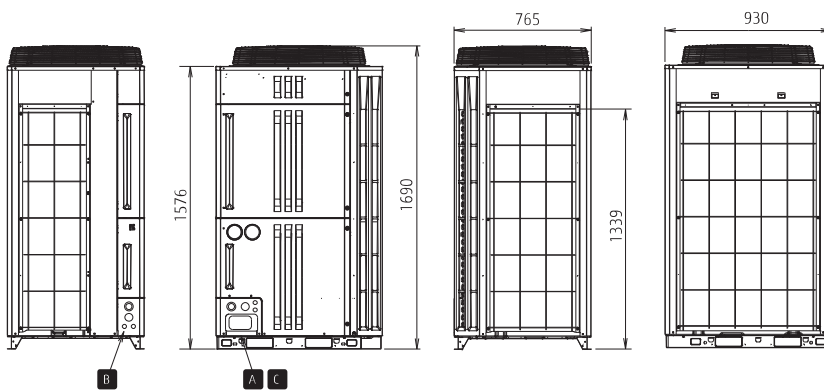
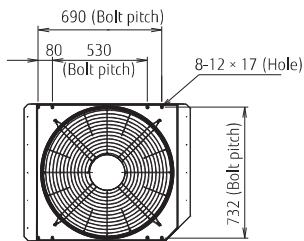


14, 16 HP

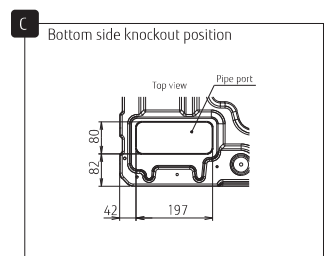
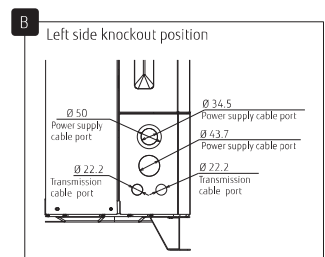
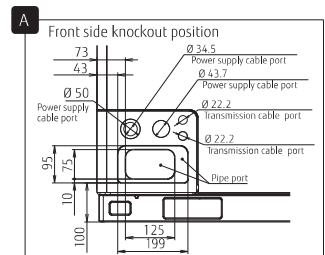
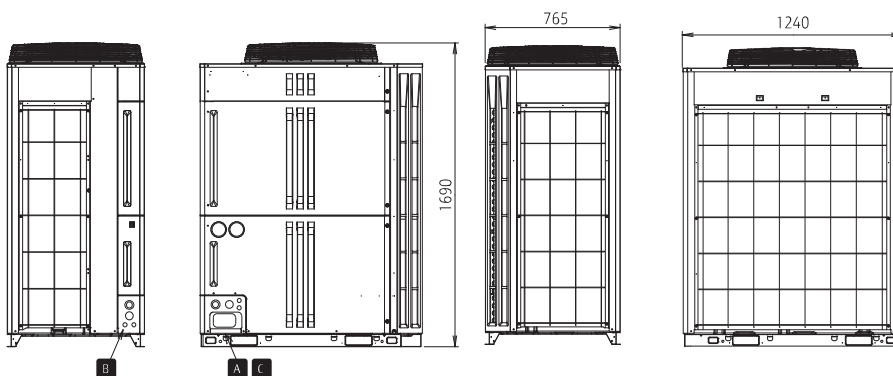
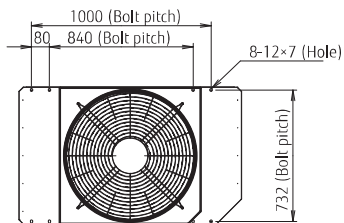
## Dimensions

(Unit : mm)

### 8, 10, 12 HP






### 14, 16 HP






Outdoor units specifications

Space Saving Combination

Rating Capacity range		HP	8	10	12	14	16	18	20	22	24
											
Set Model name			AJY072GALBH	AJY090GALBH	AJY108GALBH	AJY126GALBH	AJY144GALBH	AJY162GALBH	AJY180GALBH	AJY198GALBH	AJY216GALBH
Unit 1 Unit 2 Unit 3			AJY072GALBH	AJY090GALBH	AJY108GALBH	AJY126GALBH	AJY144GALBH	AJY090GALBH AJY072GALBH	AJY090GALBH AJY090GALBH	AJY108GALBH AJY090GALBH	AJY108GALBH AJY108GALBH
Maximum Connectable Indoor Unit*1			17	21	26	30	34	39	43	47	52
Indoor unit connectable capacity		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*3	14.0-84.0*3	15.4-92.2*3	16.8-100.5*3
Power source			3 phase 4 wire , 400 V, 50Hz								
Capacity	Cooling	kW	22.4	28.0	33.5	40.0	45.0	50.4	56.0	61.5	67.0
	Nominal Heating		22.4	28.0	33.5	40.0	45.0	-	-	-	-
	Max Heating		25.0	31.5	37.5	45.0	50.0	56.5	63.0	69.0	75.0
Input power	Cooling	kW	5.45	7.11	9.75	11.34	14.42	12.56	14.22	16.86	19.50
	Nominal Heating		4.73	6.00	7.89	8.85	10.54	-	-	-	-
	Max Heating		5.70	7.33	9.62	10.90	12.77	13.03	14.66	16.95	19.24
EER	Cooling	W/W	4.11	3.94	3.44	3.53	3.12	4.01	3.94	3.65	3.44
COP	Nominal Heating		4.74	4.67	4.25	4.52	4.27	-	-	-	-
	Max Heating		4.39	4.30	3.90	4.13	3.92	4.34	4.30	4.07	3.90
Airflow rate		m³/h	11,100	11,100	11,100	13,000	13,000	11,100×2	11,100×2	11,100×2	11,100×2
Sound pressure level*2/	Cooling	dB(A)	56 / 75	58 / 76	59 / 79	60 / 81	61 / 81	60 / 79	61 / 79	62 / 81	62 / 82
	Heating		58 / 76	59 / 77	62 / 82	62 / 82	62 / 82	62 / 80	62 / 80	63 / 83	64 / 85
Maximum external static pressure		Pa	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
Heat exchanger 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	1,690	1,690	1,690
	Width		930	930	930	1,240	1,240	930×2	930×2	930×2	930×2
	Depth		765	765	765	765	765	765	765	765	765
Weight		kg	262	262	262	286	286	262×2	262×2	262×2	262×2
Refrigerant	Type (Global Warming Potential)	kg(CO2eq-T)	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		11.8 (24.6)	11.8 (24.6)	11.8 (24.6)	11.8 (24.6)	11.8 (24.6)	11.8×2 (24.6×2)	11.8×2 (24.6×2)	11.8×2 (24.6×2)	11.8×2 (24.6×2)
Connection pipe diameter	Liquid	mm	12.70	12.70	12.70	12.70	12.70	15.88	15.88	15.88	15.88
	Discharge Gas		15.88	19.05	19.05	22.22	22.22	22.22	22.22	28.58	28.58
	Suction Gas		22.22	22.22	28.58	28.58	28.58	28.58	28.58	34.92	34.92
Operation 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
	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
	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

Energy Efficiency Combination

Rating Capacity range		HP	16	22	24	26	28	30	
									
Set Model name			AJY144GALBHH	AJY198GALBHH	AJY216GALBHH	AJY234GALBHH	AJY252GALBHH	AJY270GALBHH	
Unit 1 Unit 2 Unit 3			AJY072GALBH AJY072GALBH	AJY126GALBH AJY072GALBH	AJY072GALBH AJY072GALBH AJY072GALBH	AJY090GALBH AJY072GALBH AJY072GALBH	AJY090GALBH AJY090GALBH AJY072GALBH	AJY090GALBH AJY090GALBH AJY090GALBH	
Maximum Connectable Indoor Unit*1			34	39	43	52	56	60	
Indoor unit connectable capacity		kW	11.2-67.2*3	15.6-93.6*3	16.8-100.8*3	18.2-109.2*3	19.6-117.6*3	21.0-126.0*3	
Power source			3 phase 4 wire , 400 V, 50Hz						
Capacity	Cooling	kW	44.8	62.4	67.2	72.8	78.4	84.0	
	Nominal Heating		-	-	-	-	-	-	
	Max Heating		50.0	70.0	75.0	81.5	88.0	94.5	
Input power	Cooling	kW	10.90	16.79	16.35	18.01	19.67	21.33	
	Nominal Heating		-	-	-	-	-	-	
	Max Heating		11.40	16.60	17.10	18.73	20.36	21.99	
EER	Cooling	W/W	4.11	3.72	4.11	4.04	3.99	3.94	
COP	Nominal Heating		-	-	-	-	-	-	
	Max Heating		4.39	4.22	4.39	4.35	4.32	4.30	
Airflow rate		m³/h	11,100×2	13,000+11,100	11,100×3	11,100×3	11,100×3	11,100×3	
Sound pressure level*2/	Cooling	dB(A)	59 / 78	61 / 82	61 / 80	62 / 80	62 / 80	63 / 81	
	Heating		61 / 79	63 / 83	63 / 81	63 / 81	63 / 81	64 / 82	
Maximum external static pressure		Pa	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	
Heat exchanger 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	
	Width		930×2	1,240+930	930×3	930×3	930×3	930×3	
	Depth		765	765	765	765	765	765	
Weight		kg	262×2	286+262	262×3	262×3	262×3	262×3	
Refrigerant	Type (Global Warming Potential)	kg(CO2eq-T)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	
	Charge		11.8×2 (24.6×2)	11.8×2 (24.6×2)	11.8×3 (24.6×3)	11.8×3 (24.6×3)	11.8×3 (24.6×3)	11.8×3 (24.6×3)	
Connection pipe diameter	Liquid	mm	12.70	15.88	15.88	15.88	15.88	19.05	
	Discharge Gas		22.22	28.58	28.58	28.58	28.58	28.58	
	Suction Gas		28.58	34.92	34.92	34.92	34.92	34.92	
Operation range	Cooling	°CDB	-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	
	Cooling/Heating		-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 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.

When cooling operation will be conducted at outdoor air temperature below -5°C, the outdoor unit must be installed in a position that is higher than or equal to those of indoor units.

26	28	30	32	34	36	38	40	42	44	46	48
AJY234GALBH	AJY252GALBH	AJY270GALBH	AJY288GALBH	AJY306GALBH	AJY324GALBH	AJY342GALBH	AJY360GALBH	AJY378GALBH	AJY396GALBH	AJY414GALBH	AJY432GALBH
AJY144GALBH AJY090GALBH	AJY144GALBH AJY108GALBH	AJY144GALBH AJY126GALBH	AJY144GALBH AJY144GALBH	AJY108GALBH AJY108GALBH AJY090GALBH	AJY108GALBH AJY108GALBH AJY108GALBH	AJY144GALBH AJY108GALBH AJY090GALBH	AJY144GALBH AJY108GALBH AJY108GALBH	AJY144GALBH AJY144GALBH AJY108GALBH	AJY144GALBH AJY144GALBH AJY108GALBH	AJY144GALBH AJY126GALBH	AJY144GALBH AJY144GALBH
56	60	64	64	64	64	64	64	64	64	64	64
18.3-109.5*3	19.7-117.7*3	21.3-127.5*3	22.5-135.0*3	23.8-142.5*3	25.2-150.7*3	26.7-159.7*3	28.0-168.0*3	29.5-177.0*3	30.9-185.2*3	32.5-195.0*3	33.8-202.5*3
3 phase 4 wire, 400V, 50Hz											
73.0	78.5	85.0	90.0	95.0	100.5	106.5	112.0	118.0	123.5	130.0	135.0
-	-	-	-	-	-	-	-	-	-	-	-
81.5	87.5	95.0	100.0	106.5	112.5	119.0	125.0	131.5	137.5	145.0	150.0
21.53	24.17	25.76	28.84	26.61	29.25	31.28	33.92	35.95	38.59	40.18	43.26
-	-	-	-	-	-	-	-	-	-	-	-
20.10	22.39	23.67	25.54	26.57	28.86	29.72	32.01	32.87	35.16	36.44	38.31
3.39	3.25	3.30	3.12	3.57	3.44	3.40	3.30	3.28	3.20	3.24	3.12
-	-	-	-	-	-	-	-	-	-	-	-
4.05	3.91	4.01	3.92	4.01	3.90	4.00	3.91	4.00	3.91	3.98	3.92
13,000+11,100	13,000+11,100	13,000×2	13,000×2	11,100×3	11,100×3	13,000+11,100×2	13,000+11,100×2	13,000×2+11,100	13,000×2+11,100	13,000×3	13,000×3
63 / 82	63 / 83	64 / 84	64 / 84	63 / 83	64 / 84	64 / 84	65 / 85	65 / 85	65 / 85	65 / 86	66 / 86
63 / 83	64 / 85	64 / 85	64 / 85	65 / 86	67 / 87	65 / 86	67 / 87	66 / 86	67 / 87	67 / 87	67 / 87
80	80	80	80	80	80	80	80	80	80	80	80
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
Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin
1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690
1,240+930	1,240+930	1,240×2	1,240×2	930×3	930×3	1,240+930×2	1,240+930×2	1,240×2+930	1,240×2+930	1,240×3	1,240×3
765	765	765	765	765	765	765	765	765	765	765	765
286+262	286+262	286×2	286×2	262×3	262×3	286+262×2	286+262×2	286×2+262	286×2+262	286×3	286×3
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)
11.8×3 (24.6×3)	11.8×3 (24.6×3)	11.8×3 (24.6×3)	11.8×3 (24.6×3)	11.8×3 (24.6×3)	11.8×3 (24.6×3)	11.8×3 (24.6×3)	11.8×3 (24.6×3)	11.8×3 (24.6×3)	11.8×3 (24.6×3)	11.8×3 (24.6×3)	11.8×3 (24.6×3)
15.88	15.88	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05
28.58	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	34.92	34.92	41.27	41.27	41.27	41.27	41.27	41.27	41.27
-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
-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
-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

32	34	36	38	40	42	44
AJY288GALBHH	AJY306GALBHH	AJY324GALBHH	AJY342GALBHH	AJY360GALBHH	AJY378GALBHH	AJY396GALBHH
AJY126GALBH AJY090GALBH AJY072GALBH	AJY126GALBH AJY090GALBH AJY090GALBH	AJY126GALBH AJY126GALBH AJY072GALBH	AJY126GALBH AJY126GALBH AJY090GALBH	AJY144GALBH AJY126GALBH AJY090GALBH	AJY126GALBH AJY126GALBH AJY126GALBH	AJY144GALBH AJY126GALBH AJY126GALBH
64	64	64	64	64	64	64
22.6-135.6*3	24.0-144.0*3	25.6-153.6*3	27.0-162.0*3	28.3-169.5*3	30.0-180.0*3	31.3-187.5*3
3 phase 4 wire, 400V, 50Hz						
90.4	96.0	102.4	108.0	113.0	120.0	125.0
-	-	-	-	-	-	-
101.5	108.0	115.0	121.5	126.5	135.0	140.0
23.90	25.56	28.13	29.79	32.87	34.02	37.10
-	-	-	-	-	-	-
23.93	25.56	27.50	29.13	31.00	32.70	34.57
3.78	3.76	3.64	3.63	3.44	3.53	3.37
-	-	-	-	-	-	-
4.24	4.23	4.18	4.17	4.08	4.13	4.05
13,000+11,100×2	13,000+11,100×2	13,000×2+11,100	13,000×2+11,100	13,000×2+11,100	13,000×3	13,000×3
63 / 83	64 / 83	64 / 85	64 / 85	65 / 85	65 / 86	65 / 86
64 / 84	65 / 84	66 / 86	66 / 86	66 / 86	67 / 87	67 / 87
80	80	80	80	80	80	80
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
Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin
1,690	1,690	1,690	1,690	1,690	1,690	1,690
1,240+930×2	1,240+930×2	1,240×2+930	1,240×2+930	1,240×2+930	1,240×3	1,240×3
765	765	765	765	765	765	765
286+262×2	286+262×2	286×2+262	286×2+262	286×2+262	286×3	286×3
R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
11.8×3 (24.6×3)	11.8×3 (24.6×3)	11.8×3 (24.6×3)	11.8×3 (24.6×3)	11.8×3 (24.6×3)	11.8×3 (24.6×3)	11.8×3 (24.6×3)
19.05	19.05	19.05	19.05	19.05	19.05	19.05
28.58	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
-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46
-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21
-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21

\*1: Minimum connectable indoor unit number is 2.

\*2: The noise value is the value when measured in an anechoic room. When measured in the actual installed state, surrounding noise and reflections are received and the measured value is usually larger than the indicated value.

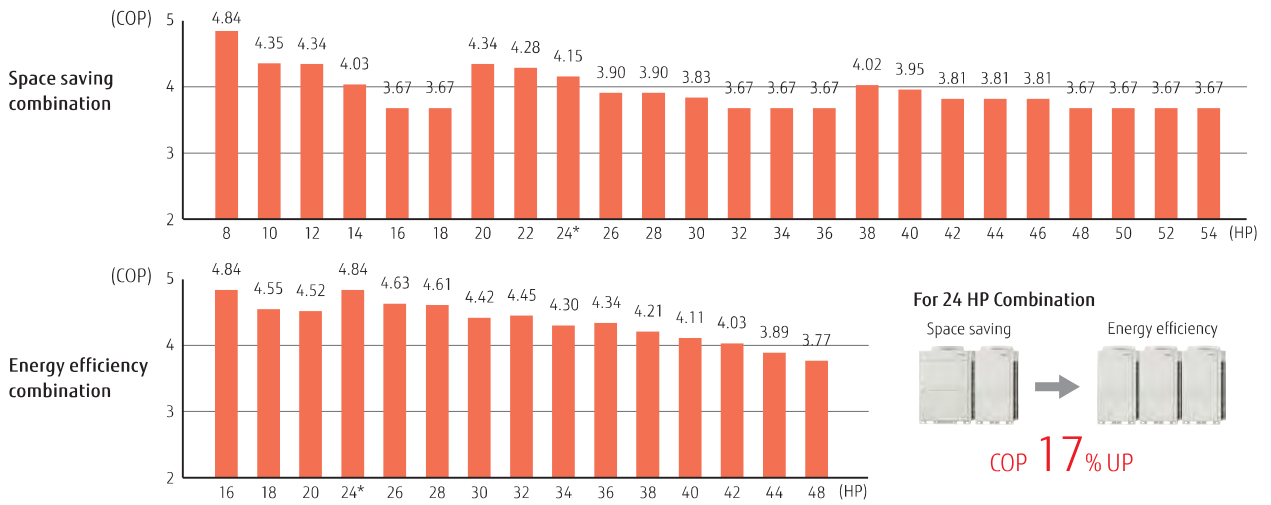
\*3: When the connectable indoor unit capacity range is 25% to 49.9%, do not open the three-way valve except for the operating one unit. In addition, do not connect the power line.

# Heat Pump Modular Type



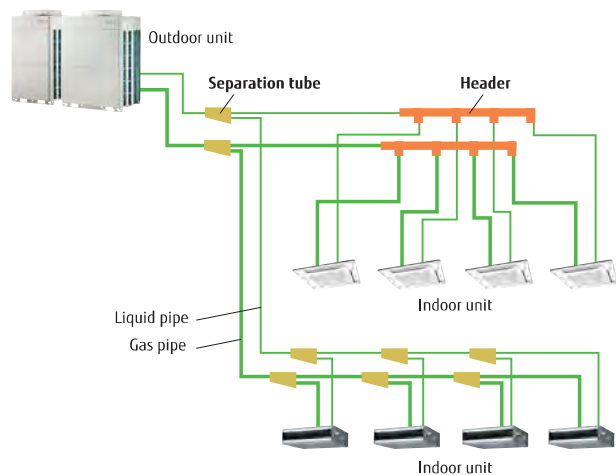
## Efficiency in actual operation

Top class high COP is achieved for all combinations by our unique heat exchanger structure, highly efficient DC twin compressor.



## System configuration example

- This system is used for medium-sized and large buildings. Connecting each outdoor unit makes it possible to create a high capacity system.
- Connection of multiple indoor units using separation tubes and headers.



8,10HP: AJY072LALBH / AJY090LALBH  
 12,14,16,18HP: AJY108LALBH / AJY126LALBH / AJY144LALBH / AJY162LALBH



8, 10 HP

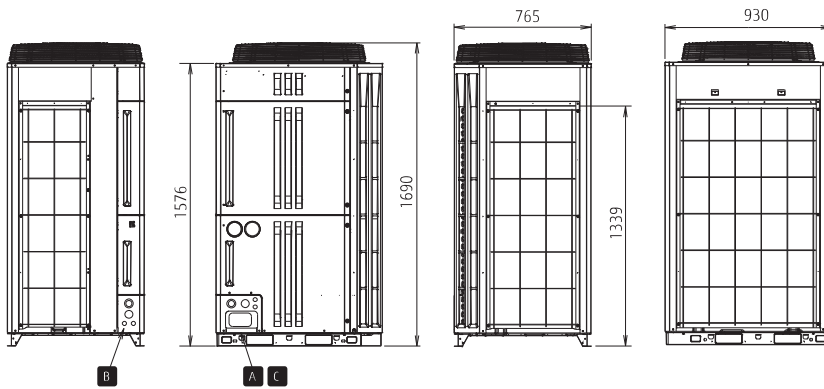
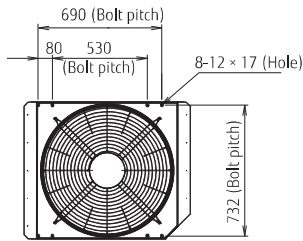


12, 14, 16, 18 HP

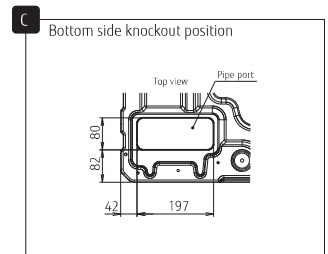
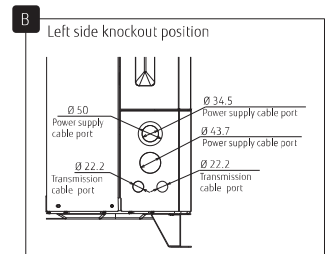
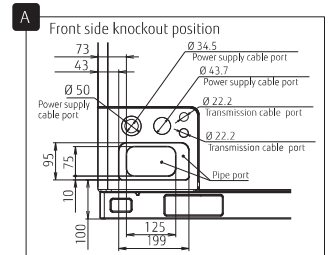
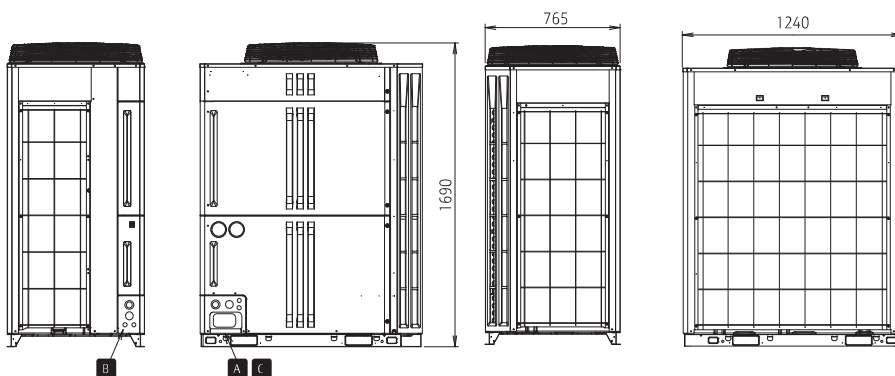
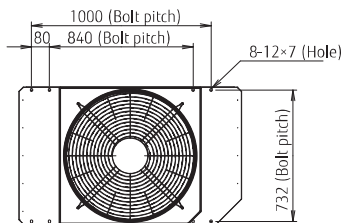
**Dimensions**

(Unit : mm)

**8, 10 HP**







**12, 14, 16, 18 HP**







Outdoor unit specifications

Space Saving Combination

Rating Capacity range	HP	8	10	12	14	16	18	20	22	24	26	28	
													
Set Model name		AJY072LALBH	AJY090LALBH	AJY108LALBH	AJY126LALBH	AJY144LALBH	AJY162LALBH	AJY180LALBH	AJY198LALBH	AJY216LALBH	AJY234LALBH	AJY252LALBH	
Unit 1		AJY072LALBH	AJY090LALBH	AJY108LALBH	AJY126LALBH	AJY144LALBH	AJY162LALBH	AJY090LALBH	AJY126LALBH	AJY126LALBH	AJY144LALBH	AJY162LALBH	
Unit 2								AJY090LALBH	AJY072LALBH	AJY090LALBH	AJY090LALBH	AJY090LALBH	
Unit 3												AJY090LALBH	
Maximum Connectable Indoor Unit <sup>*1</sup>		17	21	26	30	34	39	43	47	52	56	60	
Indoor unit connectable capacity	kW	11.2-33.6	14.0-42.0	16.8-50.2	20.0-60.0	22.5-67.5	25.0-67.5	28.0-84.0	31.2-93.6	34.0-102.0	36.5-109.5	39.0-109.5	
Power source	3-phase 4 wire, 400 V, 50Hz												
Capacity	Cooling	kW	22.4	28.0	33.5	40.0	45.0	50.0	56.0	62.4	68.0	73.0	78.0
	Heating		25.0	31.5	37.5	45.0	50.0	50.0	63.0	70.0	76.5	81.5	81.5
Input power	Cooling	kW	5.20	7.28	8.96	10.96	13.01	16.56	14.56	16.16	18.24	20.29	23.84
	Heating		5.17	7.25	8.65	11.17	13.63	13.63	14.50	16.34	18.42	20.88	20.88
EER/SEER (LOT21)	Cooling	W/W	4.31/5.95	3.85/5.86	3.74/6.22	3.65/6.50	3.46/6.33	3.02/5.77	3.85	3.86	3.73	3.60	3.27
COP/SCOP (LOT21)	Heating	W/W	4.84/3.97	4.35/3.76	4.34/3.56	4.03/4.14	3.67/4.06	3.67/3.56	4.34	4.28	4.15	3.90	3.90
Airflow rate	High	m <sup>3</sup> /h	11,100	11,100	13,000	13,000	13,700	13,700	11,100×2	13,000+11,100	13,000+11,100	13,000+11,100	13,700+11,100
Sound pressure level <sup>*2</sup> / Power level	Cooling	dB(A)	56 / 77	58 / 79	57 / 78	60 / 81	62 / 83	63 / 84	61 / 82	61 / 82	62 / 83	63 / 84	64 / 85
	Heating		58 / 80	59 / 81	60 / 83	62 / 84	64 / 86	64 / 86	62 / 84	63 / 85	64 / 86	65 / 87	65 / 87
Maximum external static pressure		Pa	82	82	82	82	82	82	82	82	82	82	
Compressor motor output		kW	7.5	7.5	11.0	11.0	11.0	11.0	7.5×2	11.0+7.5	11.0+7.5	11.0+7.5	11.0+7.5
Minimum Recommended MCB		AMP	20	25	25	40	40	40	25 + 25	40 + 20	40 + 25	40 + 25	40 + 25
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
	Width		930	930	1,240	1,240	1,240	1,240	930×2	1,240+930	1,240+930	1,240+930	1,240+930
	Depth		765	765	765	765	765	765	765	765	765	765	765
Weight		kg	252	252	275	275	275	275	252×2	275+252	275+252	275+252	275+252
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Charge	kg	11.7	11.7	11.8	11.8	11.8	11.8	11.7×2	11.8+11.7	11.8+11.7	11.8+11.7	11.8+11.7
Connection pipe diameter	Liquid	Inch	1/2	1/2	1/2	1/2	1/2	5/8	5/8	5/8	5/8	5/8	5/8
	Gas		7/8	7/8	1 1/8	1 1/8	1 1/8	1 1/8	1 1/8	1 3/8	1 3/8	1 3/8	1 3/8
Operation range	Cooling	°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 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

Energy Efficiency Combination

Rating Capacity range	HP	16	18	20	24	26	28	30	
									
Set Model name		AJY144LALBHH	AJY162LALBHH	AJY180LALBHH	AJY216LALBHH	AJY234LALBHH	AJY252LALBHH	AJY270LALBHH	
Unit 1		AJY072LALBH	AJY090LALBH	AJY108LALBH	AJY072LALBH	AJY090LALBH	AJY108LALBH	AJY126LALBH	
Unit 2		AJY072LALBH	AJY072LALBH	AJY072LALBH	AJY072LALBH	AJY072LALBH	AJY072LALBH	AJY072LALBH	
Unit 3								AJY072LALBH	
Maximum Connectable Indoor Unit <sup>*1</sup>		34	39	43	52	56	60	64	
Indoor unit connectable capacity	kW	22.4-67.2	25.2-75.6	28.0-83.8	33.6-100.8	36.4-109.2	39.2-117.4	42.4-127.2	
Power source	3-phase 4 wire, 400 V, 50Hz								
Capacity	Cooling	kW	44.8	50.4	55.9	67.2	72.8	78.3	84.8
	Heating		50.0	56.5	62.5	75.0	81.5	87.5	95.0
Input power	Cooling	kW	10.40	12.48	14.16	15.60	17.68	19.36	21.36
	Heating		10.34	12.42	13.82	15.51	17.59	18.99	21.51
EER	Cooling	W/W	4.31	4.04	3.95	4.31	4.12	4.04	3.97
COP	Heating	W/W	4.84	4.55	4.52	4.84	4.63	4.61	4.42
Airflow rate	High	m <sup>3</sup> /h	11,100×2	11,100×2	13,000+11,100	11,100×3	11,000×3	13,000+11,100×2	13,000+11,100×2
Sound pressure level <sup>*2</sup> / Power level	Cooling	dB(A)	59 / 80	60 / 81	60 / 81	61 / 82	62 / 83	61 / 82	63 / 84
	Heating		61 / 83	62 / 84	62 / 85	63 / 85	63 / 85	64 / 86	65 / 87
Maximum external static pressure		Pa	82	82	82	82	82	82	
Compressor motor output		kW	7.5×2	7.5×2	11.0+7.5	7.5×3	7.5×3	11.0+7.5×2	11.0+7.5×2
Minimum Recommended MCB		AMP	20 + 20	25 + 20	40 + 20	20 + 20 + 20	25 + 20 + 20	40 + 20 + 20	40 + 20 + 20
Net Dimensions	Height	mm	1,690	1,690	1,690	1,690	1,690	1,690	1,690
	Width		930×2	930×2	1,240+930	930×3	930×3	1,240+930×2	1,240+930×2
	Depth		765	765	765	765	765	765	765
Weight		kg	252×2	252×2	275+252	252×3	252×3	275+252×2	275+252×2
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Charge	kg	11.7×2	11.7×2	11.8+11.7	11.7×3	11.7×3	11.8+11.7×2	11.8+11.7×2
Connection pipe diameter	Liquid	Inch	1/2	5/8	5/8	5/8	5/8	5/8	5/8
	Gas		1 1/8	1 1/8	1 1/8	1 3/8	1 3/8	1 3/8	1 3/8
Operation range	Cooling	°CDB	-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

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.

When cooling operation will be conducted at outdoor air temperature below -5°C, the outdoor unit must be installed in a position that is higher than or equal to those of indoor units.

30	32	34	36	38	40	42	44	46	48	50	52	54			
AJY270LALBH	AJY288LALBH	AJY306LALBH	AJY324LALBH	AJY342LALBH	AJY360LALBH	AJY378LALBH	AJY396LALBH	AJY414LALBH	AJY432LALBH	AJY450LALBH	AJY468LALBH	AJY486LALBH			
AJY144LALBH AJY126LALBH	AJY144LALBH AJY144LALBH	AJY162LALBH AJY144LALBH	AJY162LALBH AJY162LALBH	AJY162LALBH AJY090LALBH AJY090LALBH	AJY144LALBH AJY126LALBH AJY090LALBH	AJY144LALBH AJY144LALBH AJY090LALBH	AJY162LALBH AJY144LALBH AJY090LALBH	AJY162LALBH AJY162LALBH AJY090LALBH	AJY144LALBH AJY144LALBH AJY144LALBH	AJY162LALBH AJY144LALBH AJY144LALBH	AJY162LALBH AJY162LALBH AJY144LALBH	AJY162LALBH AJY162LALBH AJY162LALBH			
64	64	64	64	64	64	64	64	64	64	64	64	64			
42.5-127.5	45.0-135.0	47.5-135.0	50.0-135.0	53.0-151.5	56.5-169.5	59.0-177.0	61.5-177.0	64.0-177.0	67.5-202.5	70.0-202.5	72.5-202.5	75.0-202.5			

3-phase 4 wire, 400 V, 50Hz												
85.0	90.0	95.0	100.0	106.0	113.0	118.0	123.0	128.0	135.0	140.0	145.0	150.0
95.0	100.0	100.0	100.0	113.0	126.5	131.5	131.5	131.5	150.0	150.0	150.0	150.0
23.97	26.02	29.57	33.12	31.12	31.25	33.30	36.85	40.40	39.03	42.58	46.13	49.68
24.80	27.26	27.26	27.26	28.13	32.05	34.51	34.51	34.51	40.89	40.89	40.89	40.89
3.55	3.46	3.21	3.02	3.41	3.62	3.54	3.34	3.17	3.46	3.29	3.14	3.02
3.83	3.67	3.67	3.67	4.02	3.95	3.81	3.81	3.81	3.67	3.67	3.67	3.67
13,700+13,000	13,700×2	13,700×2	13,700×2	13,700+11,100×2	13,700+13,000+11,100	13,700×2+11,100	13,700×2+11,100	13,700×2+11,100	13,700×3	13,700×3	13,700×3	13,700×3
64 / 85	65 / 88	66 / 87	66 / 87	65 / 86	65 / 86	66 / 87	66 / 87	67 / 87	67 / 88	67 / 88	67 / 88	68 / 89
66 / 88	67 / 89	67 / 89	67 / 89	66 / 88	67 / 89	68 / 90	68 / 90	68 / 90	69 / 91	69 / 91	69 / 91	69 / 91
82	82	82	82	82	82	82	82	82	82	82	82	82
11.0×2	11.0×2	11.0×2	11.0×2	11.0+7.5×2	11.0×2+7.5	11.0×2+7.5	11.0×2+7.5	11.0×2+7.5	11.0×3	11.0×3	11.0×3	11.0×3
40 + 40	40 + 40	40 + 40	40 + 40	40 + 25 + 25	40 + 40 + 25	40 + 40 + 25	40 + 40 + 25	40 + 40 + 25	40 + 40 + 40	40 + 40 + 40	40 + 40 + 40	40 + 40 + 40
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
1,240×2	1,240×2	1,240×2	1,240×2	1,240×2	1,240×2+930	1,240×2+930	1,240×2+930	1,240×2+930	1,240×3	1,240×3	1,240×3	1,240×3
765	765	765	765	765	765	765	765	765	765	765	765	765
275×2	275×2	275×2	275×2	275+252×2	275×2+252	275×2+252	275×2+252	275×2+252	275×3	275×3	275×3	275×3
R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
11.8×2	11.8×2	11.8×2	11.8×2	11.8+11.7×2	11.8×2+11.7	11.8×2+11.7	11.8×2+11.7	11.8×2+11.7	11.8×3	11.8×3	11.8×3	11.8×3
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1 3/8	1 3/8	1 3/8	1 5/8	1 5/8	1 5/8	1 5/8	1 5/8	1 5/8	1 5/8	1 5/8	1 5/8	1 5/8
-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
-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

32	34	36	38	40	42	44	46
AJY288LALBHH	AJY306LALBHH	AJY324LALBHH	AJY342LALBHH	AJY360LALBHH	AJY378LALBHH	AJY396LALBHH	AJY414LALBHH
AJY108LALBH AJY108LALBH AJY072LALBH	AJY126LALBH AJY108LALBH AJY072LALBH	AJY108LALBH AJY108LALBH AJY108LALBH	AJY126LALBH AJY108LALBH AJY108LALBH	AJY126LALBH AJY126LALBH AJY108LALBH	AJY126LALBH AJY126LALBH AJY126LALBH	AJY144LALBH AJY126LALBH AJY126LALBH	AJY144LALBH AJY144LALBH AJY126LALBH
64	64	64	64	64	64	64	64
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	65.0-195.0

3-phase 4 wire, 400 V, 50Hz							
89.4	95.9	100.5	107.0	113.5	120.0	125.0	130.0
100.0	107.5	112.5	120.0	127.5	135.0	140.0	145.0
23.12	25.12	26.88	28.88	30.88	32.88	34.93	36.98
22.47	24.99	25.95	28.47	30.99	33.51	35.97	38.43
3.87	3.82	3.74	3.70	3.68	3.65	3.58	3.52
4.45	4.30	4.34	4.21	4.11	4.03	3.89	3.77
13,000×2+11,100	13,000×2+11,100	13,000×3	13,000×3	13,000×3	13,000×3	13,700+13,000×2	13,700×2+13,000
61 / 82	63 / 84	63 / 83	64 / 84	64 / 85	65 / 88	66 / 87	66 / 87
64 / 87	65 / 88	65 / 88	65 / 88	66 / 88	67 / 89	68 / 90	68 / 90
82	82	82	82	82	82	82	82
11.0×2+7.5	11.0×2+7.5	11.0×3	11.0×3	11.0×3	11.0×3	11.0×3	11.0×3
40 + 40 + 20	40 + 40 + 20	40 + 40 + 40	40 + 40 + 40	40 + 40 + 40	40 + 40 + 40	40 + 40 + 40	40 + 40 + 40
1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690
1,240×2+930	1,240×2+930	1,240×3	1,240×3	1,240×3	1,240×3	1,240×3	1,240×3
765	765	765	765	765	765	765	765
275×2+252	275×2+252	275×3	275×3	275×3	275×3	275×3	275×3
R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
11.8×2+11.7	11.8×2+11.7	11.8×3	11.8×3	11.8×3	11.8×3	11.8×3	11.8×3
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1 3/8	1 3/8	1 5/8	1 5/8	1 5/8	1 5/8	1 5/8	1 5/8
-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46
-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21

\*1 Minimum connectable indoor unit number is 2.


























However, ARXC72 and ARXC90 can be used single connection.

\*2 The noise value is the value when measured in an anechoic room.

When measured in the actual installed state, surrounding noise and reflections are received and the measured value is usually larger than the indicated value.



# VRF Indoor Unit Lineup

Capacity range (kW)		1.1	2.2	2.8	3.6				
Class		4	7	9	12				
Cassette	Compact type	Compact Grid type / Standard type		AUXB 004 GLEH	AUXB 007 GLEH	AUXB 009 GLEH	AUXB 012 GLEH		
	Large type	Circular Flow							
Duct	Low Static Pressure Duct	Mini Duct (With drain pump)	 004 - 014	 018	ARXK 004 GLGH	ARXK 007 GLGH	ARXK 009 GLGH	ARXK 012 GLGH	
		Slim Duct (With drain pump)	 04 / 007 - 014	 018	 024	ARXD 04 GALH* <sup>3</sup>	ARXD 007 GLEH	ARXD 009 GLEH	ARXD 012 GLEH
	Medium Static Pressure Duct	Normal							
	High Static Pressure Duct	Normal	 036 / 45 - 60	 072 - 090	 096				
Floor	Floor (*Same as Ceiling models)						ABYA 012 GTEH		
		Slim Concealed Floor (*Same as Slim Duct models)	 04 / 007 - 014	 018	 024	ARXD 04 GALH* <sup>3</sup>	ARXD 007 GLEH	ARXD 009 GLEH	ARXD 012 GLEH
	Compact Floor				AGYA 004 GCGH	AGYA 007 GCGH	AGYA 009 GCGH	AGYA 012 GCGH	
	Compact Floor (EEV external)				AGYE 004 GCEH	AGYE 007 GCEH	AGYE 009 GCEH	AGYE 012 GCEH	
		With this model, connection of EV kit is necessary.							
Ceiling		 012 - 024	 030 - 054				ABYA 012 GTEH		
Wall Mounted	Wall Mounted	 004 - 009	 012 - 014	 18 - 24	 030 - 034	ASYA 004 GTEH	ASYA 007 GTEH	ASYA 009 GTEH	ASYA 012 GCEH
	Wall Mounted (EEV external)	 004 - 009	 012 - 014			ASYE 004 GTEH	ASYE 007 GTEH	ASYE 009 GTEH	ASYE 012 GCEH
		With this model, connection of EV kit is necessary.							

	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
	14	14	18	24	30	34	36	45	54	60	72	90	96
		AUXB 014 GLEH	AUXB 018 GLEH	AUXB 024 GLEH									
			AUXK 018 GLEH	AUXK 024 GLEH	AUXK 030 GLEH	AUXK 034 GLEH	AUXK 036 GLEH	AUXK 045 GLEH	AUXK 054 GLEH				
		ARXD 014 GLEH	ARXD 018 GLEH	ARXD 024 GLEH									
				ARXA 024 GLEH	ARXA 030 GLEH		ARXA 036 GLEH	ARXA 045 GLEH					
							ARXC 036 GTEH	ARXC 45 GATH		ARXC 60 GATH*1	ARXC 072 GTEH*1	ARXC 090 GTEH*1	ARXC 096 GTEH*1
		ABYA 014 GTEH	ABYA 018 GTEH	ABYA 024 GTEH									
		ARXD 014 GLEH	ARXD 018 GLEH	ARXD 024 GLEH									
AGYA 014 GCGH													
AGYE 014 GCEH													
		ABYA 014 GTEH	ABYA 018 GTEH	ABYA 024 GTEH	ABYA 030 GTEH		ABYA 036 GTEH	ABYA 045 GTEH	ABYA 054 GTEH				
ASYA 014 GCEH			ASYA 18 GBCH	ASYA 24 GBCH	ASYA 030 GTEH	ASYA 034 GTEH							
ASYE 014 GCEH													

\*1: ARXC60/072/090/096G cannot be connected to J-IVS / J-IV Series.

\*2: AUXA18/24GALH, ARXQ018/024/030GTAH type can be connected to VR-IV / V-III Series only.

\*3: ARXD04GALH cannot be connected to J-IVS / J-IV / J-IVL Series.

\*4: AUXN009/012/014GLAH can be connected to J-IVS / J-IV Series only.

\*5: ARXP009/012/014GLAH can be connected to J-IVS / J-IV / J-IVL Series only.

\*6: Production by order

Specifications and design are subject to change without notice.

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

# Compact Cassette

## Grid type



### Specifications

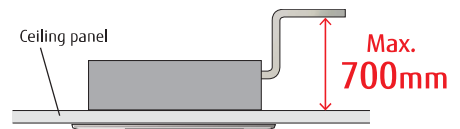
Model name		AUXB004GLEH	AUXB007GLEH	AUXB009GLEH	AUXB012GLEH	AUXB014GLEH	AUXB018GLEH	AUXB024GLEH
Power source		Single phase, ~230V, 50Hz						
Capacity	UK Total Cooling	0.80	1.60	2.10	2.70	3.30	4.20	5.30
	UK Sensible Cooling	0.70	1.50	1.70	2.30	2.70	3.20	4.40
	UK Heating	1.20	2.60	3.00	3.80	4.70	5.90	7.40
	Nominal Cooling	1.10	2.20	2.80	3.60	4.50	5.60	7.10
	Nominal Heating	1.30	2.80	3.20	4.10	5.00	6.30	8.00
Input power	W	23	25	25	29	35	36	84
Airflow rate	High	530/530	540	550	600	680	710	1,030
	Med-H	490/480	500	520	560	620	660	910
	Med	450/430	460	480	520	560	590	790
	Med-L	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	34/34	34	35	37	38	41	50
	Med-H	32/31	32	33	34	37	39	46
	Med	30/29	30	31	33	34	36	43
	Med-L	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(lbs)	14.5 (32)	15 (33)	15 (33)	15 (33)	15 (33)	17 (37)	17 (37)
Connection pipe diameter	Liquid (Flare)						3/8	
	Gas (Flare)						5/8	
Cassette Grille	Model name	UTG-UFYE-W						
	Net Dimensions (H×W×D)	mm 50 × 620 × 620						
	Weight	kg(lbs) 2.3(5.1)						

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].  
 \*1: This value is under cooling operation.

### Optional parts

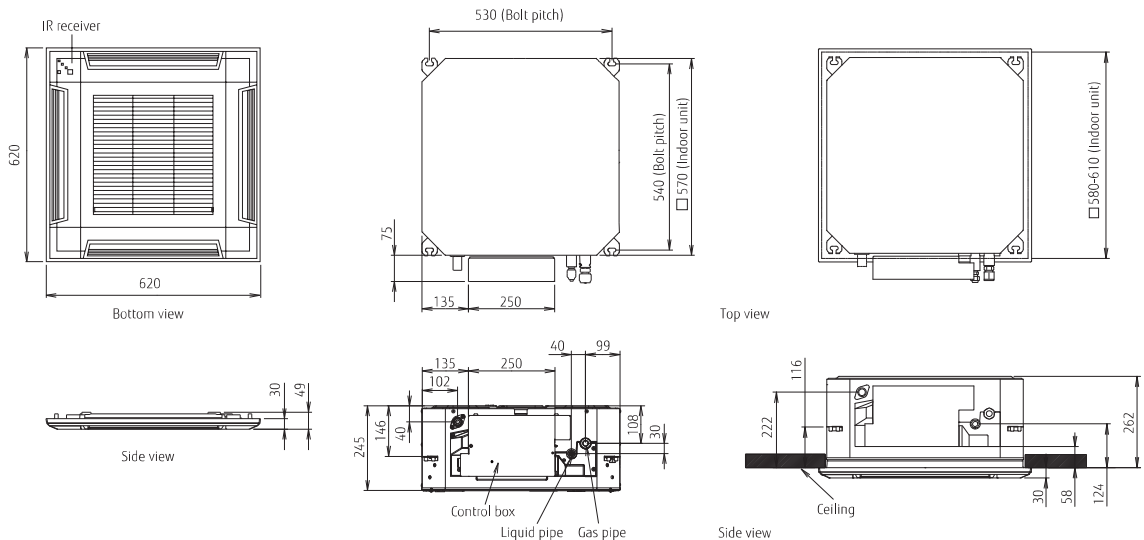
Fresh Air Intake Kit: UTZ-VXAA      Cassette Grille: UTG-UFYC-W, UTG-UFYE-W  
 External Power Supply Unit: UTZ-GXXA  
 Wireless LAN Interface: UTY-TFSXZ1

Wireless interface for use with Smart home products: FJ-AC-WIFI-1



### Dimensions

(Unit : mm)



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

# Cassette Large type Circular Flow



## Specifications

Model name		AUXK018GLEH	AUXK024GLEH	AUXK030GLEH	AUXK034GLEH	AUXK036GLEH	AUXK045GLEH	AUXK054GLEH	
Power source		Single phase, ~230V, 50Hz							
Capacity	UK Total Cooling	kW	4.20	5.30	6.70	7.40	8.30	9.30	10.40
	UK Sensible Cooling		3.30	4.40	5.30	5.90	6.70	7.60	8.70
	UK Heating		5.90	7.40	9.30	10.40	11.60	13.00	14.90
	Nominal Cooling		5.60	7.10	9.00	10.00	11.20	12.50	14.00
	Nominal Heating		6.30	8.00	10.00	11.20	12.50	14.00	16.00
Input power		W	40	40	47	47	61	89	116
Airflow rate	High	m <sup>3</sup> /h	1,420	1,420	1,440	1,440	1,620	1,820	2,040
	Med-H		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-L		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-H		37	37	38	38	40	42	45
	Med		36	36	37	37	38	40	42
	Med-L		35	35	36	36	37	38	39
Dimensions (H × W × D)	mm	288 × 840 × 840							
	kg(lbs)	26.5 (58)	26.5 (58)	29.5 (65)	29.5 (65)	29.5 (65)	29.5 (65)	29.5 (65)	
Connection pipe diameter	Liquid (Flare)	Inch	1/4					3/8	
	Gas (Flare)		1/2					5/8	
Cassette Grille	Model name	UTG-UKYC-W							
	Dimensions (H×W×D)	mm	53×950×950						
	Weight	kg(lbs)	6.0 (13)						

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].

When AUX\*018GLEH is connected to the outdoor unit other than J-IVL, pipe diameter should be Ø9.52/Ø15.88 (Liq/Gas)

When AUXK036GLEH, AUXK045GLEH, and AUXK054GLEH are connected to the outdoor unit other than J-IVL, gas pipe diameter should be Ø19.05.

## Optional parts

Human Sensor Kit: UTY-SHZXC

Fresh Air Intake Kit:

UTZ-VXRA

Cassette Grille:

UTG-UKYC-W

Wireless LAN Interface: UTY-TFSXZ1

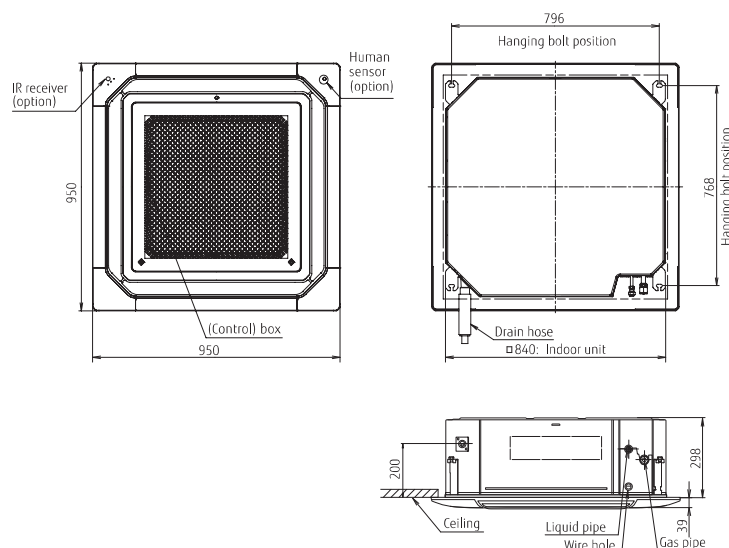
External Power Supply Unit: UTZ-GXXA

IR Receiver Unit: UTY-LBHXD

Wireless interface for use with Smart home products: FJ-AC-WIFI-1

## Dimensions

(Unit : mm)



Model : AUXA18GALH / AUXA24GALH / AUXA30GALH  
 AUXA34GALH / AUXA36GALH / AUXA45GALH  
 AUXA54GALH

# Cassette

## Large type

### 4-way Flow



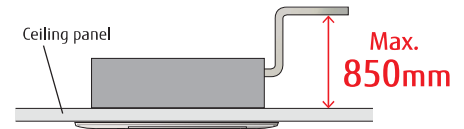
#### Specifications

Model name		AUXD18GALH*	AUXD24GALH*	AUXA30GALH	AUXA45GALH	AUXA54GALH	
Power source		Single phase, ~230V, 50Hz					
Capacity	UK Total Cooling	4.20	5.30	6.70	9.30	10.40	
	UK Sensible Cooling	3.90	4.80	6.00	7.70	8.40	
	UK Heating	5.90	7.40	9.30	13.00	14.90	
	Nominal Cooling	5.60	7.10	9.00	12.50	14.00	
	Nominal Heating	6.30	8.00	10.00	14.00	16.00	
Input power		W	51	51	59	99	119
Airflow rate	High	m <sup>3</sup> /h	1,420 (394)	1,420 (394)	1,600 (444)	1,900 (528)	2,000 (556)
	Med	1,230 (342)	1,230 (342)	1,300 (361)	1,370 (381)	1,370 (381)	
	Low	1,100/1,000*1 (306/278)	1,100/1,000*1 (306/278)	1,100 (306)	1,100 (306)	1,100 (306)	
Sound pressure level	High	dB(A)	40	40	40	46	47
	Med	36	36	38	39	39	
	Low	33/31*1	33/31*1	33/31*1	33/31*1	33/31*1	
Net Dimensions (H × W × D)		mm	288 × 840 × 840	288 × 840 × 840	288 × 840 × 840	288 × 840 × 840	288 × 840 × 840
Weight		kg(lbs)	27 (60)	27 (60)	27 (60)	27 (60)	27 (60)
Connection pipe diameter	Liquid (Flare)	Inch	3/8			3/4	
	Gas (Flare)		5/8			3/4	
Cassette Grille	Model name		UTG-UGYA-W				
	Net Dimensions (H×W×D)		50 × 950 × 950				
	Weight		5.5 (12)				

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].  
 \*1: This value is under cooling operation.  
 \*:AUXA18/24GALH can be connected to VR-IV / V-III Series only.

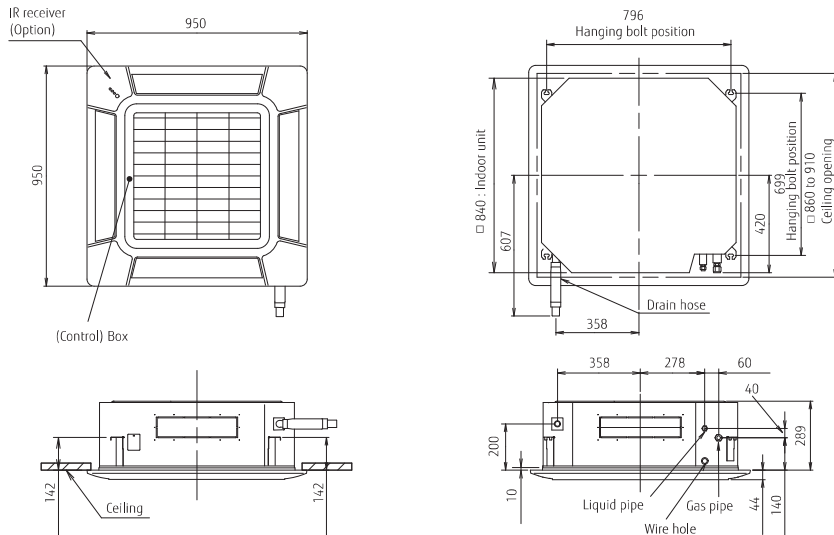
#### Optional parts

- IR receiver unit: UTY-LRHYB1
  - Fresh air intake kit: UTZ-VXGA
  - Wireless LAN Interface: UTY-TFSXZ1
  - Cassette Grille: UTG-UGYA-W
- Wireless interface for use with Smart home products: FJ-AC-WIFI-1



#### Dimensions

(Unit : mm)



# Mini Duct (With drain pump)



ARXK007/009/012/014GLGH

## Specifications

Model name		ARXK004GLGH	ARXK007GLGH	ARXK009GLGH	ARXK012GLGH	
Power source		Single phase, ~230V, 50Hz				
Capacity	UK Total Cooling	0.80	1.60	2.10	2.70	
	UK Sensible Cooling	0.70	1.50	1.80	2.30	
	UK Heating	1.20	2.60	3.00	3.70	
	Nominal Cooling	1.1	2.20	2.80	3.60	
	Nominal Heating	1.3	2.80	3.20	4.00	
Input power		W	26	28	28	35
Airflow rate	High	460	460	460	550	
	Med-H	440	440	440	520	
	Med	420	420	420	480	
	Med-L	400	400	400	450	
	Low	370	370	370	410	
	Quiet	340	340	340	340	
Static pressure range		Pa	0 to 30	0 to 30	0 to 30	0 to 30
Standard static pressure			10	10	10	10
Sound pressure level	High	25	26	26	29	
	Med-H	24	25	25	27	
	Med	23	24	24	26	
	Med-L	22	23	23	25	
	Low	21	22	22	24	
	Quiet	20	21	21	22	
Net Dimensions (H × W × D)		mm	198 × 700 × 450	198 × 700 × 450	198 × 700 × 450	198 × 700 × 450
Weight		kg(lbs)	14.5 (32)	15.5 (34)	15.5 (34)	16 (35)
Connection pipe diameter	Liquid (Flare)	Inch	1/4			
	Gas (Flare)		3/8	1/2		

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].

## Optional parts

Remote Sensor Unit : UTY-XSZX      Auto Louvre Grille Kit: UTD-GXSA-W (004/007/009/012/014)  
 IR Receiver Unit : UTB-YWC                      UTD-GXSB-W (018)  
 External Power Supply Unit: UTZ-GXXA                      UTD-GXSC-W (024)

Wireless interface for use with Smart home products: FJ-AC-WIFI-1

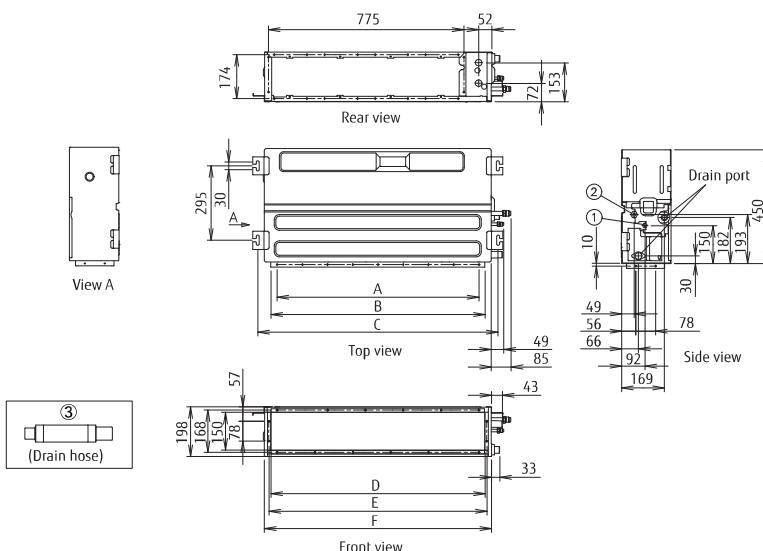
## Auto Louvre Grille Kit (Option)

Thin design provides a comfortable living environment over a wide area. Automatic louvre grille provides comfortable air conditioning all the way down to the floor and matches the interior design well. (Optional)



## Dimensions

(Unit : mm)



- ① Refrigerant pipe flare connection (Liquid)
- ② Refrigerant pipe flare connection (Gas)
- ③ Drain hose connection

	ARXK004-014	ARXK018	ARXK024
A	P100×6=600	P100×8=800	P100×10=1000
B	650	850	1050
C	752	952	1152
D	650	850	1050
E	665	864	1064
F	700	900	1100

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

# Slim Duct / Slim Concealed Floor



ARXD04GALH  
ARXD007/009/012/014GLEH



ARXD018GLEH

Slim Concealed Floor



ARXD024GLEH

## Specifications

Model name		ARXD007GLEH	ARXD009GLEH	ARXD012GLEH	ARXD014GLEH	ARXD018GLEH	ARXD024GLEH	
Power source		Single phase, ~230V, 50Hz						
Capacity	UK Total Cooling	kW	1.60	2.10	2.70	3.30	4.20	5.30
	UK Sensible Cooling		1.50	1.80	2.30	2.90	3.50	4.90
	UK Heating		2.60	3.00	3.70	4.70	5.90	7.40
	Nominal Cooling		2.20	2.80	3.60	4.50	5.60	7.10
	Nominal Heating		2.80	3.20	4.00	5.00	6.30	8.00
Input power		W	44	50	54	92	83	122
Airflow rate	High	m³/h	550	600	600	800	940	1,330
	Med-H		480	510	530	680	820	1,140
	Med		440	460	490	600	730	1,020
	Med-L		410	420	450	520	630	900
	Low		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 50
Standard static pressure			25	25	25	25	25	25
Sound pressure level	High	dB(A)	28	29	30	34	34	35
	Med-H		26	27	28	32	31	31
	Med		25	25	27	30	29	29
	Med-L		24	24	26	28	27	27
	Low		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(lbs)	17 (37)	17 (37)	18 (40)	18 (40)	22 (48)	26 (57)
Connection pipe diameter	Liquid (Flare)	Inch			1/4			3/8
	Gas (Flare)		3/8			1/2	5/8	

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].

\*1: This value is under cooling operation.

\*:ARXD04GALH cannot be connected to J-HVS / J-IV / J-HVL Series.

## Optional parts

Remote Sensor Unit : UTY-XS2X

IR Receiver Unit : UTB-YWC (004)

External Power Supply Unit : UTZ-GXXA

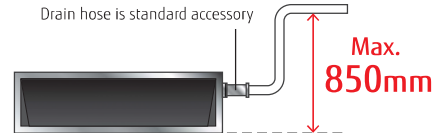
Wireless interface for use with Smart home products: FJ-AC-WIFI-1

Auto Louvre Grille Kit: UTD-GXSA-W (04/007/009/012/014)

UTD-GXSB-W (018)

UTD-GXSC-W (024)

Drain hose is standard accessory

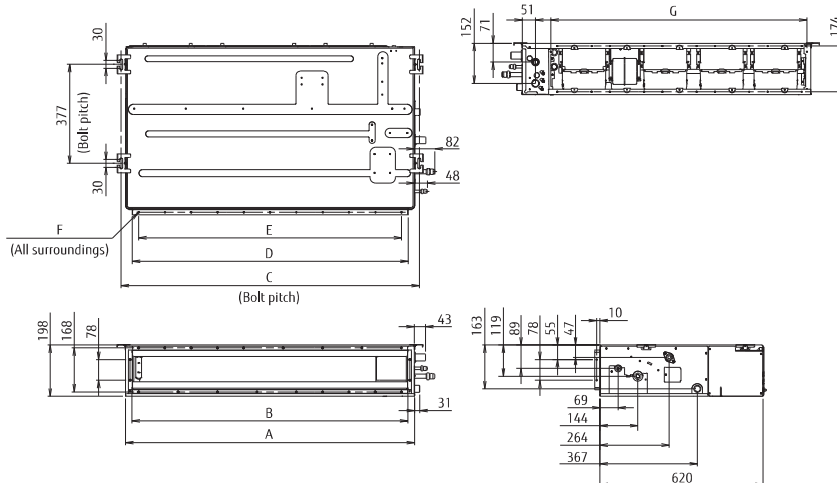


## Dimensions

(Unit : mm)

\*Service accessibility must be allowed for when installing the product.

Please consult the installation manual for the necessary service access size.



	ARXD04-014	ARXD018	ARXD024
A	700	900	1100
B	650	850	1050
C	734	934	1134
D	650	850	1050
E	P100×6=600	P100×8=800	P100×10=1000
F	18×Ø5	22×Ø5	26×Ø5
G	574	774	974

# Medium Static Pressure Duct



## Specifications

Model name		ARXA024GLEH	ARXA030GLEH	ARXA036GLEH	ARXA045GLEH
Power source		Single phase, ~230V, 50Hz			
Capacity	UK Total Cooling	5.30	6.70	8.30	9.30
	UK Sensible Cooling	4.70	5.60	7.00	7.90
	UK Heating	7.40	9.30	11.60	13.00
	Nominal Cooling	7.10	9.00	11.20	12.50
	Nominal Heating	8.00	10.00	12.50	14.00
Input power	W	94	108	194	240
Airflow rate	High	1,280	1,410	1,840	1,970
	Med-H	1,180	1,350	1,750	1,910
	Med	1,090	1,280	1,660	1,860
	Med-L	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	Pa	40	50	50	60
Sound pressure level	High	31	34	37	41
	Med-H	29	33	36	40
	Med	27	32	35	38
	Med-L	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(lbs)	36 (79)	40 (88)	40 (88)	40 (88)
Connection pipe diameter	Liquid (Flare)			3/8	
	Gas (Flare)			5/8	

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].

## Optional parts

Long Life Filter : UTD-LF25NA      IR Receiver Unit : UTY-TRHX  
 Flange (Square) : UTD-SF045T      Drain Pump Unit : UTZ-PX1NBA  
 Flange (Round) : UTD-RF204      Wireless LAN Interface : UTY-TFSXZ1  
 External Power Supply Unit : UTZ-GXXA

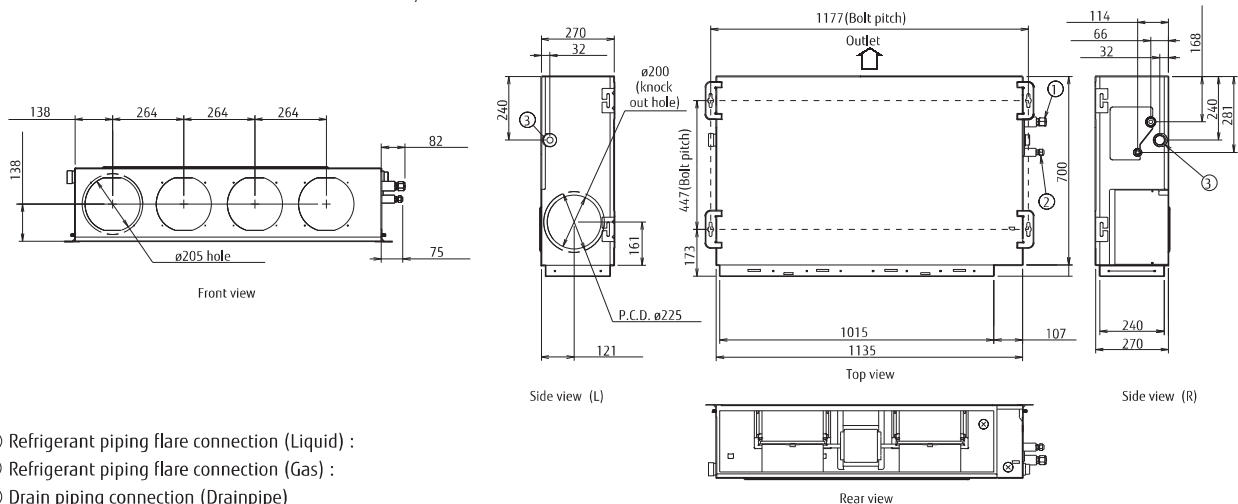
Wireless interface for use with Smart home products: FJ-AC-WIFI-1

## Dimensions

(Unit : mm)

\*Service accessibility must be allowed for when installing the product.

Please consult the installation manual for the necessary service access size.



- ① Refrigerant piping flare connection (Liquid) :
- ② Refrigerant piping flare connection (Gas) :
- ③ Drain piping connection (Drainpipe)



Model : ARXC036GTEH / ARXC45GATH / ARXC60GATH  
 ARXC072GTEH / ARXC090GTEH / ARXC096GTEH

# High Static Pressure Duct



ARXC072/090GTEH

ARXC096GTEH

## Specifications

Model name		ARXC036GTEH	ARXC45GATH	ARXC60GATH*	ARXC072GTEH*	ARXC090GTEH*	ARXC096GTEH*	
Power source		Single phase, ~230V, 50Hz						
Capacity	UK Total Cooling	8.3	9.3	13.4	16.6	18.6	20.8	
	UK Sensible Cooling	7.4	9.2	12.2	15.1	15.6	16.7	
	UK Heating	11.6	13.0	18.6	23.3	26.0	29.3	
	Nominal Cooling	11.2	12.5	18.0	22.4	25.0	28.0	
	Nominal 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	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	Pa	100	100	100	150	150	150	
Sound pressure level	High	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(lbs)	40 (88)	46 (101)	46 (101)	84 (185)	84 (185)	105 (231)	
Connection pipe diameter	Liquid	3/8 (Flare)					3/8 (Brazing)	
	Gas	5/8 (Flare)					7/8 (Brazing)	

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].

\*: ARXC60/072/090/096G cannot be connected to J-IV/J-IVS Series.

## Optional parts

Long-Life Filter : UTD-LF60KA (036/45/60)

IR Receiver Unit : UTB-YWC (45/60)

UTY-TRHX (036/072/090/096)

External Power Supply Unit : UTZ-GXXA (036/072/090/096)

Wireless LAN Interface : UTY-TFSXZ1 (036/072/090/096)

Wireless interface for use with Smart home products: FJ-AC-WIFI-1

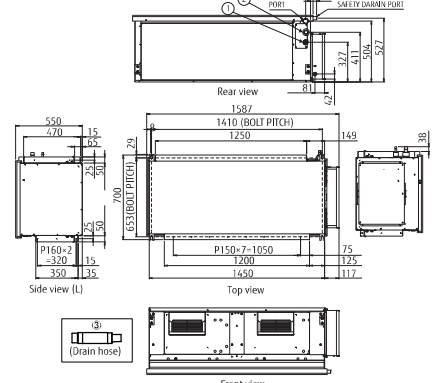
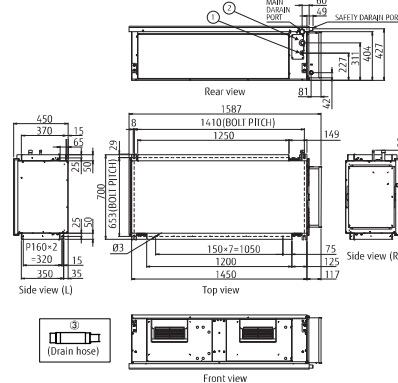
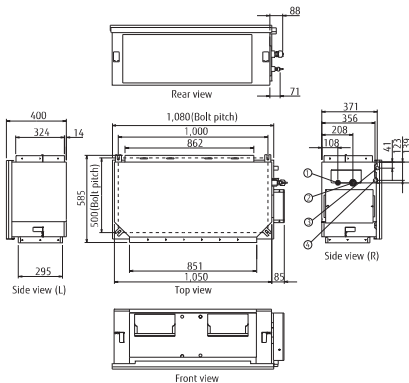
## Dimensions

(Unit : mm)

Models: ARXC036 / ARXC45 / ARXC60

Models: ARXC072 / ARXC090

Models: ARXC096



- ① Refrigerant piping flare connection (Liquid)
- ② Refrigerant piping flare connection (Gas)
- ③ Drain piping connection

- ① Refrigerant pipe flare connection (Liquid)
- ② Refrigerant pipe flare connection (Gas)
- ③ Drain hose

- ① Refrigerant pipe flare connection (Liquid)
- ② Refrigerant pipe flare connection (Gas)
- ③ Drain hose

Model : AGYA007GCGH / AGYA009GCGH  
 AGYA012GCGH / AGYA014GCGH

## Compact floor



### Specifications

Model name		AGYA007GCGH	AGYA009GCGH	AGYA012GCGH	AGYA014GCGH	
Power source		Single-phase, ~230V, 50Hz				
Capacity	UK Total Cooling	1.60	2.10	2.70	3.00	
	UK Sensible Cooling	1.40	1.70	2.30	2.50	
	UK Heating	2.60	3.00	3.70	4.20	
	Nominal Cooling	2.20	2.80	3.60	4.00	
	Nominal Heating	2.80	3.20	4.00	4.50	
Input power	W	16	17	22	29	
Airflow rate	High	470	500	590	670	
	Med-H	420	450	520	590	
	Med	390	400	470	520	
	Med-L	360	360	420	450	
	Low	330	330	390	390	
	Quiet	270	270	340	340	
Sound pressure level	High	37	38	42	46	
	Med-H	35	36	39	42	
	Med	33	34	37	39	
	Med-L	31	31	35	36	
	Low	29	29	33	33	
Quiet	22	22	30	30		
Net Dimensions (H × W × D)		mm 600 x 740 x 200				
Weight		kg(lbs)	15 (33)	15 (33)	15 (33)	15 (33)
Connection pipe diameter	Liquid (Flare)	Inch		1/4		
	Gas (Flare)	Inch		3/8		
				1/2		

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].

When AGYA007/009GCGH, are connected to the outdoor unit other than J-IVL, gas pipe diameter should be Ø12.70.

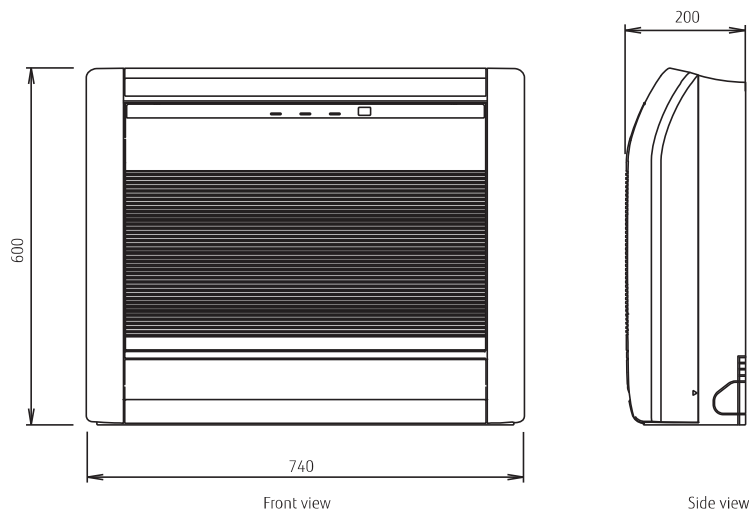
### Optional parts

Half concealed kit: UTR-STA  
 External Power Supply Unit : UTZ-GXXA  
 Wireless LAN Interface : UTY-TFSXZ1

Wireless interface for use with Smart home products: FJ-AC-WIFI-1

### Dimensions

(Unit : mm)



# Floor / Ceiling



Floor standing



## Specifications

Model name		ABYA012GTEH	ABYA014GTEH	ABYA018GTEH	ABYA024GTEH	
Power source		Single phase, ~230V, 50Hz				
Capacity	UK Total Cooling	2.70	3.30	4.20	5.30	
	UK Sensible Cooling	2.40	3.00	3.80	4.20	
	UK Heating	3.70	4.70	5.90	7.40	
	Nominal Cooling	3.60	4.50	5.60	7.10	
	Nominal Heating	4.00	5.00	6.30	8.00	
Input power	W	30	42	74	99	
Airflow rate	High	660	780	1,000	1,000	
	Med-H	620	740	910	930	
	Med	580	690	830	870	
	Med-L	550	640	750	800	
	Low	520	600	660	740	
	Quiet	490	550	580	680	
Sound pressure level	High	36	40	46	47	
	Med-H	34	39	44	45	
	Med	33	38	42	43	
	Med-L	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(lbs)	25 (55)	26 (57)	26 (57)	27 (60)
Connection pipe diameter	Liquid (Flare)	Inch	1/4		3/8	
	Gas (Flare)	Inch	1/2		5/8	

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].

## Optional parts

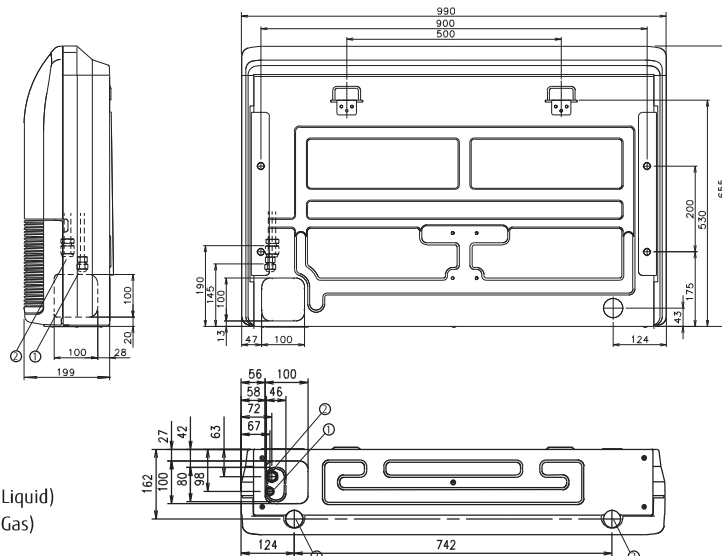
External Power Supply Unit : UTZ-GXXA

Wireless LAN Interface : UTY-TFSXZ1

Wireless interface for use with Smart home products: FJ-AC-WIFI-1

## Dimensions

(Unit : mm)



- ① Refrigerant piping flare connection (Liquid)
- ② Refrigerant piping flare connection (Gas)
- ③ Drain piping connection

# Ceiling



## Specifications

Model name			ABYA030GTEH	ABYA036GTEH	ABYA045GTEH	ABYA054GTEH
Power source			Single phase, ~230V, 50Hz			
Capacity	UK Total Cooling	kW	6.70	8.30	9.30	10.40
	UK Sensible Cooling		6.10	6.90	7.90	8.90
	UK Heating		9.30	11.60	13.00	14.90
	Nominal Cooling		9.00	11.20	12.50	14.00
	Nominal Heating		10.00	12.50	14.00	16.00
Input power		W	66	85	131	180
Airflow rate	High	m <sup>3</sup> /h	1,630	1,690	2,010	2,270
	Med-H		1,520	1,560	1,840	2,070
	Med		1,420	1,450	1,690	1,860
	Med-L		1,320	1,360	1,530	1,660
	Low		1,220	1,270	1,380	1,470
Sound pressure level	Quiet	dB(A)	1,140	1,170	1,230	1,280
	High		42	45	48	51
	Med-H		40	41	46	49
	Med		39	39	45	46
	Med-L		37	38	41	43
Net Dimensions (H × W × D)		mm	240 × 1,660 × 700	240 × 1,660 × 700	240 × 1,660 × 700	240 × 1,660 × 700
	Weight	kg(lbs)	46 (101)	48 (106)	48 (106)	48 (106)
	Connection pipe diameter	Liquid (Flare)	Inch	3/8		
Gas (Flare)		5/8				

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].

## Optional parts

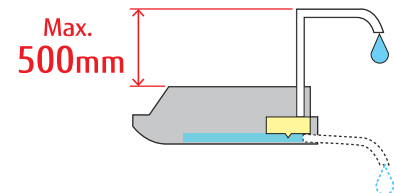
Drain Pump Unit : UTR-DPB24T

Flange : UTD-RF204

External Power Supply Unit : UTZ-GXXA

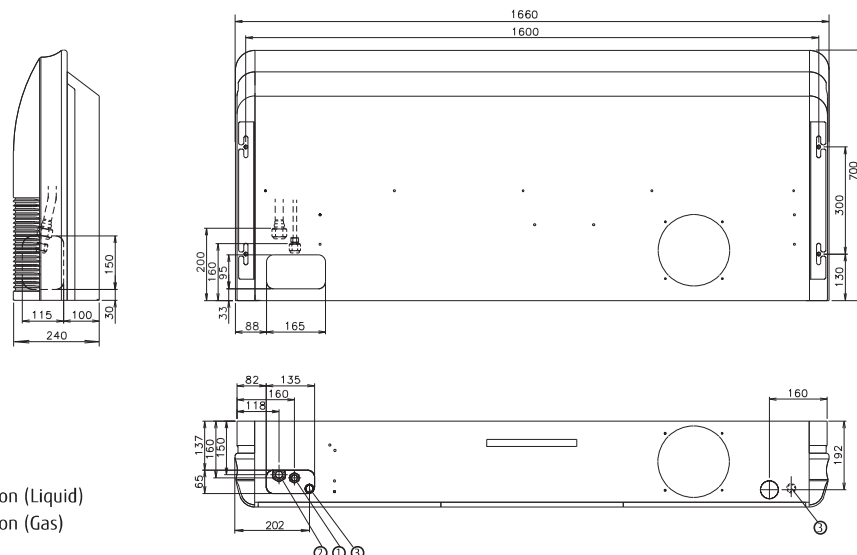
Wireless LAN Interface : UTY-TFSXZ1

Wireless interface for use with Smart home products: FJ-AC-WIFI-1



## Dimensions

(Unit : mm)



- ① Refrigerant piping flare connection (Liquid)
- ② Refrigerant piping flare connection (Gas)
- ③ Drain piping connection

Model : ASYA004GTEH / ASYA007GTEH / ASYA009GTEH  
 ASYE004GTEH / ASYE007GTEH / ASYE009GTEH

# Wall Mounted



## Specifications

Model name		ASYA004GTEH	ASYA007GTEH	ASYA009GTEH	ASYE004GTEH	ASYE007GTEH	ASYE009GTEH	
Power source		Single phase, ~230V, 50Hz			Single phase, ~230V, 50Hz			
Capacity	UK Total Cooling	0.80	1.60	2.10	0.80	1.60	2.10	
	UK Sensible Cooling	0.70	1.60	1.90	0.70	1.50	2.00	
	UK Heating	1.20	2.60	3.00	1.20	2.60	3.00	
	Nominal Cooling	1.10	2.20	2.80	1.10	2.20	2.8	
	Nominal Heating	1.30	2.80	3.20	1.30	2.80	3.2	
Input power		W	13	19	34	13	19	34
Airflow rate	High	430	550	720	430	550	720	
	Med-H	420	460	570	420	460	570	
	Med	390	420	500	390	420	500	
	Med-L	380	390	410	380	390	410	
	Low	360	360	360	360	360	360	
	Quiet	330	330	330	330	330	330	
Sound pressure level	High	31	35	43	31	35	43	
	Med-H	30	32	38	30	32	38	
	Med	28	30	34	28	30	34	
	Med-L	26	27	29	26	27	29	
	Low	24	24	24	24	24	24	
	Quiet	22	22	22	22	22	22	
Net Dimensions (H × W × D)		mm	262 × 820 × 206	262 × 820 × 206	262 × 820 × 206	262 × 820 × 206	262 × 820 × 206	
Weight		kg(lbs)	7.5 (17)	7.5 (17)	7.5 (17)	7.0 (15)	7.0 (15)	
Connection pipe diameter	Liquid (Flare)	Inch	1/4					
	Gas (Flare)		3/8					
EV Kit (option)			-			UTR-EV09XB		

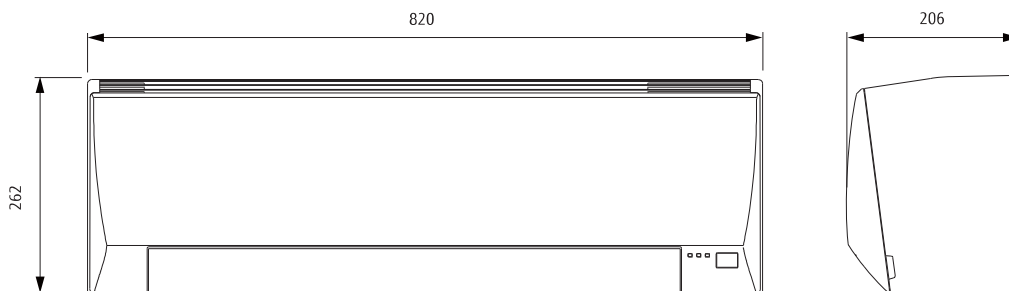
Note : Specifications are based on the following conditions.  
 Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.  
 Heating : Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.  
 Pipe length : 7.5 m; Height difference between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

## Optional parts

External Power Supply Unit : UTZ-GXXA  
 Wireless LAN Interface : UTY-TFSXZ1  
 Wireless interface for use with Smart home products: FJ-AC-WIFI-1

## Dimensions

(Unit : mm)



Model : ASYA012GCEH / ASYA014GCEH  
 ASYE012GCEH / ASYE014GCEH

## Wall Mounted



### Specifications

Model name		ASYA012GCEH	ASYA014GCEH	ASYE012GCEH	ASYE014GCEH	
Power source		Single phase, ~230V, 50Hz			Single phase, ~230V, 50Hz	
Capacity	UK Total Cooling	2.70	3.00	2.70	3.00	
	UK Sensible Cooling	2.30	2.70	2.30	2.70	
	UK Heating	3.70	4.20	3.70	4.20	
	Nominal Cooling	3.60	4.00	3.6	4.0	
	Nominal Heating	4.00	4.50	4.0	4.5	
Input power		W	25	36	25	36
Airflow rate	High	690	800	690	800	
	Med-H	610	740	610	740	
	Med	560	680	560	680	
	Med-L	530	610	530	610	
	Low	470	550	470	550	
	Quiet	330	330	330	330	
Sound pressure level	High	40	44	40	44	
	Med-H	37	42	37	42	
	Med	35	40	35	40	
	Med-L	33	37	33	37	
	Low	30	34	30	34	
Quiet	24	24	24	24		
Net Dimensions (H × W × D)		mm	268 × 840 × 203	268 × 840 × 203	268 × 840 × 203	268 × 840 × 203
Weight		kg(lbs)	8.5 (19)	8.5 (19)	8.5 (19)	8.5 (19)
Connection pipe diameter	Liquid (Flare)	Inch				1/4
	Gas (Flare)					1/2
EV Kit (option)		-			UTR-EV14XB	

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].

### Optional parts

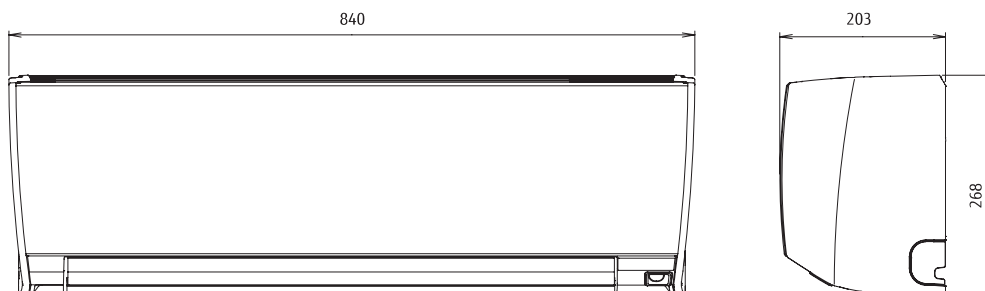
External Power Supply Unit : UTZ-GXXA

Wireless LAN Interface : UTY-TFSXZ1

Wireless interface for use with Smart home products: FJ-AC-WIFI-1

### Dimensions

(Unit : mm)



VRF

Model : ASYA18GBCH / ASYA24GBCH

ASYA030GTEH / ASYA034GTEH

# Wall Mounted



ASYA18/24GBCH



ASYA030/034GTEH

## Specifications

Model name		ASYA18GBCH	ASYA24GBCH	ASYA030GTEH	ASYA034GTEH	
Power source		Single phase, ~230V, 50Hz		Single phase, ~230V, 50Hz		
Capacity	UK Total Cooling	4.20	5.30	6.70	7.40	
	UK Sensible Cooling	3.90	4.80	5.70	6.50	
	UK Heating	5.90	7.40	9.30	10.40	
	Cooling	5.60	7.10	9.00	10.00	
	Heating	6.30	8.00	10.00	11.20	
Input power	W	32	60	74	103	
Airflow rate	High	840	1,100	1,440	1,620 / 1,520	
	Med-H	-	-	1,200	1,300	
	Med	770	910	1,050	1,120	
	Med-L	-	-	940	980	
	Low	690	730	890	890	
	Quiet	-	-	700	700	
Sound pressure level	High	41	48	53	55 / 54	
	Med-H	-	-	49	51	
	Med	39	43	45	47	
	Med-L	-	-	42	43	
	Low	35	35	39	39	
	Quiet	-	-	33	33	
Net Dimensions (H x W x D)		mm	320 x 998 x 238	320 x 998 x 238	340 x 1,150 x 280	340 x 1,150 x 280
Weight		kg(lbs)	15 (33)	15 (33)	18 (40)	18 (40)
Connection pipe diameter	Liquid (Flare)	Inch	1/4	1/4	3/8	3/8
	Gas (Flare)	Inch	1/2	1/2	5/8	5/8

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].

When ASYA18GBCH is connected to the outdoor unit other than J-IVL, pipe diameter should be Ø9.52/Ø15.88 (Liq/Gas).

## Optional parts

External Power Supply Unit : UTZ-GXXA (030/034)

Wireless LAN Interface : UTY-TFSXZ1 (030/034)

Wireless LAN Interface : FJ-RC-WIFI-2 (18/24)

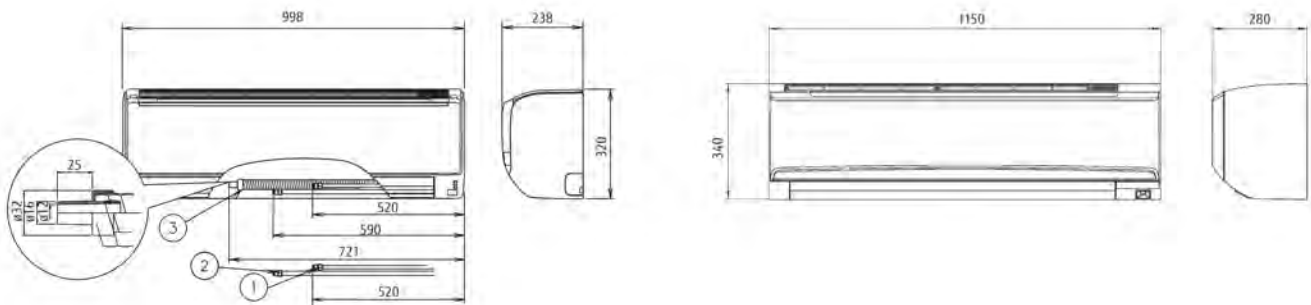
Wireless interface for use with Smart home products: FJ-AC-WIFI-1 (030/034)

## Dimensions

(Unit : mm)

Models: ASYA18 / ASYA24

Models: ASYA030 / ASYA034



- ① Refrigerant piping flare connection (Liquid)
- ② Refrigerant piping flare connection (Gas)
- ③ Drain piping connection