
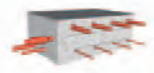


Refrigerant piping parts

RB unit

Type		Single type			Multi type
					
Model name		UTP-RX01AH	UTP-RX01BH	UTP-RX01CH	UTP-RX04BH
Number of connection port		1	1	1	4
Total connection capacity of indoor unit per 1 connection port(Q)	kW	Q ≤ 8.0	Q ≤ 18.0	Q ≤ 28.0	Q ≤ 18.0
Number of connectable indoor unit per 1 connction port		3	8	8	8
Dimensions (HxWxD)	mm	198 X 298 X 268			260 X 654 X 428



Simultaneous cooling & heating operation with

Heat Recovery System



High Energy Saving operation

Simple to operate controller

Easy Design & Easy Installation

Speedy Maintenance



ISO 9001  
Certified number : 01 100 89394  
Fujitsu General (Thailand) Co., Ltd.

ISO 14001  
Certified number : 01 104 9245101



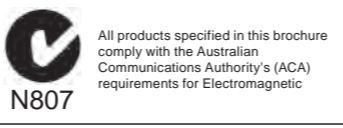
ISO 9001  
Certified number : 01 100 79269  
Fujitsu General (Shanghai) Co., Ltd.

ISO 14001  
Certified number : 272043



ISO 9001  
Certified number : 00608Q11061R2M  
Fujitsu General Central Air-conditioner (Wuxi) Co., Ltd.

ISO 14001  
Certified number : 00609E20454R2M



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Product specifications are subject to change without notice.

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6NNR20-1201E

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# Meets the needs for simultaneous cooling and heating operation

Heat recovery system provides optimum individual comfort for the users by changing over from cooling to heating

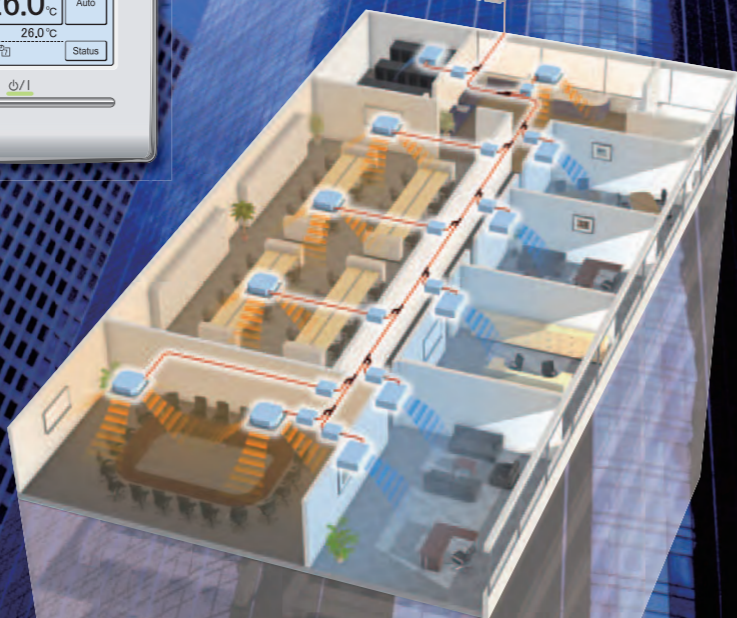
FUJITSU GENERAL's  
**Heat Recovery System**  
**AIRSTAGE™ VR-II**

**Remarkable Point!** High energy efficiency operation using high efficient compressor!  
0.1 Hz steps high precision all inverter compressor control

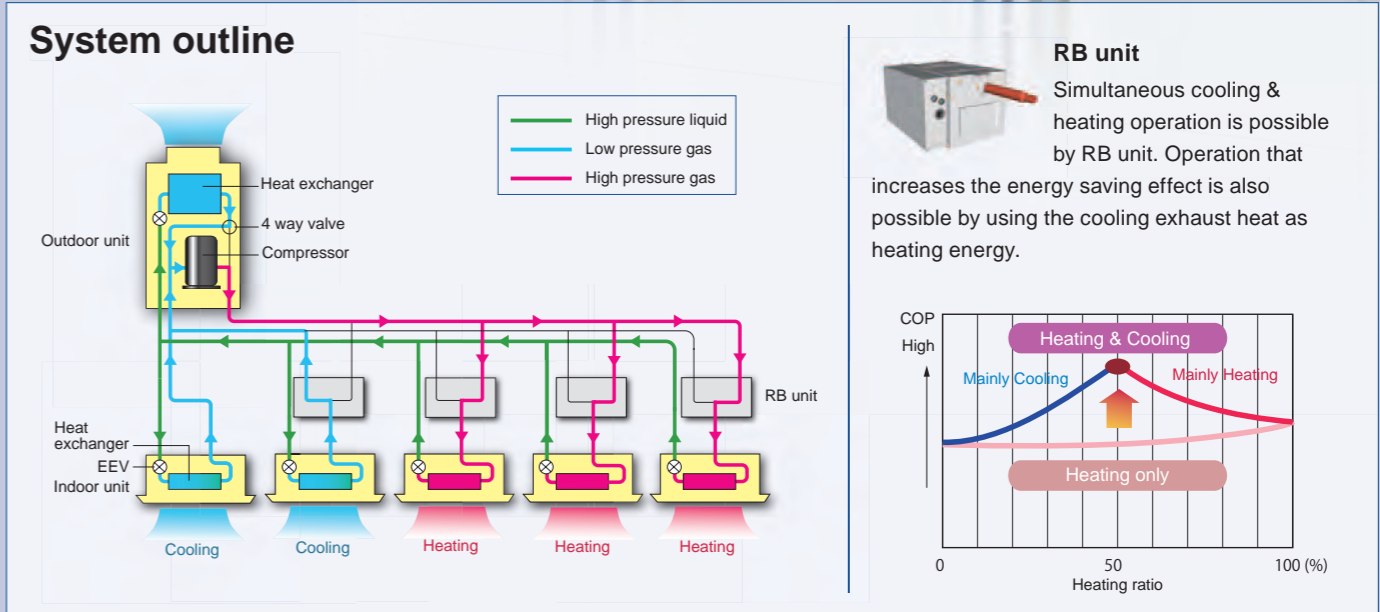
**Remarkable Point!** Simple to operate large LCD touch panel controller!  
Wired remote controller with the largest LCD touch panel in the industry

**Remarkable Point!** Easy design and easy installation with few restrictions!  
Easy design and easy installation using flexible piping connections and RB units with few installation restrictions.

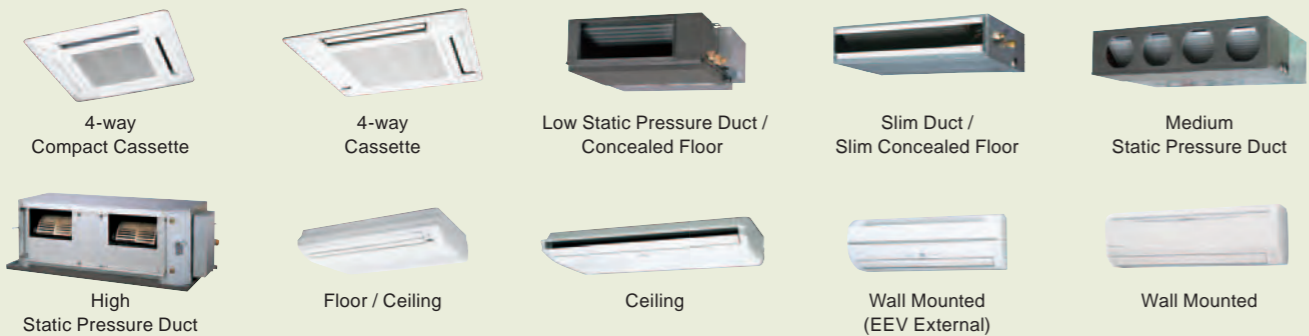
**Remarkable Point!** Supports speedy maintenance!  
The indoor unit information can be checked using the remote controller to support speedy maintenance.



8 to 48HP



## INDOOR UNITS




## CONTROLLERS




# High Energy Efficiency


Energy efficiency technology that boosted operation efficiency




**Powerful large propeller fan**  
By using CFD\*1 technology, A newly designed fan achieves high performance and low noise operation.  
\*1. CFD = Computational Fluid Dynamics




**3 phase DC fan motor**  
Efficiency is substantially improved by high voltage low current motor. Low noise is realized by DC fan motor.



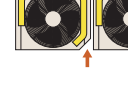
**Subcool heat exchanger**  
High Heat Exchange efficiency is achieved by using an internal projection shape double pipe construction.



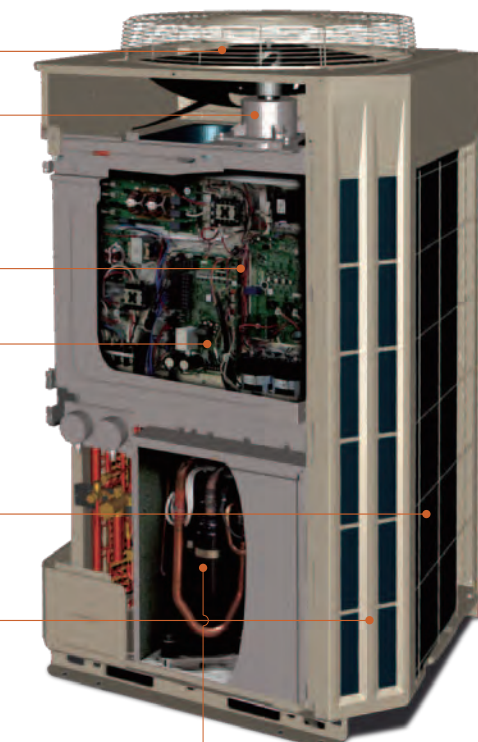
**Sine-wave DC inverter control**  
High efficiency is realized by adoption of reduced switching loss IPM.



**4-face heat exchanger**  
Heat exchange efficiency is significantly improved by the introduction of a new 4-face heat exchanger that increases effective surface area.



**Front intake port (corner cut air inhaling structure)**  
In multiple outdoor unit installations, the unique front intake design improves airflow into the Heat Exchanger.





**High efficient compressor**

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

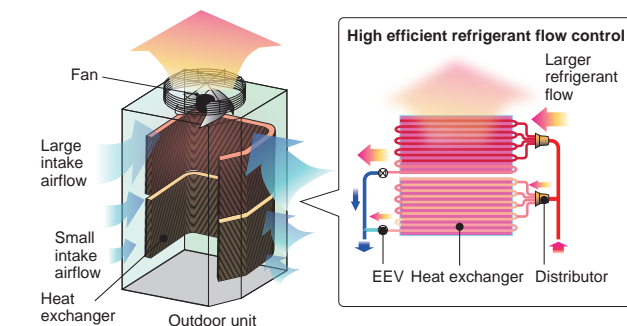


**High efficient compressor speed control**  
Comfortable space with small room temperature changes and little energy loss is created by 0.1Hz steps compressor speed control.



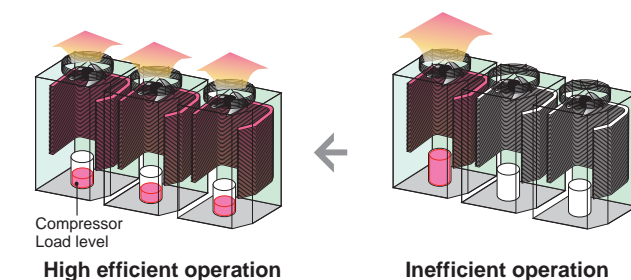
## Ideal heat exchanger path control

Heat exchanger is split into top and bottom. Heat exchange efficiency is improved by optimally adjusting the refrigerant flow of each exchanger by means of an expansion valve. A lot of refrigerant is supplied by the top side heat exchanger with a large intake air flow.



## Distributed operation control

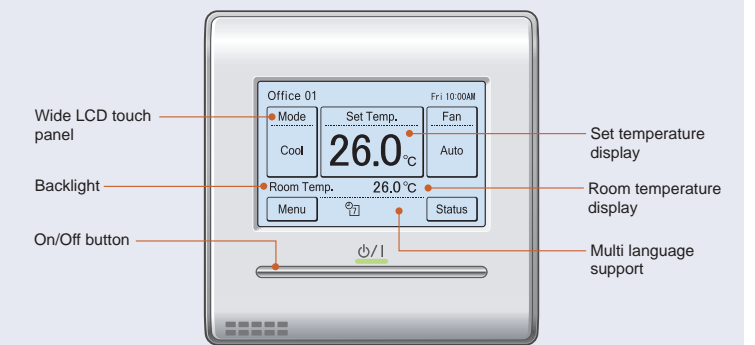
When units are connected, distributed operation is performed by each compressor. Efficiency is improved by operating the rotary compressor in the good efficiency low speed range by using the heat exchangers to the full.



# Comfort & Convenience

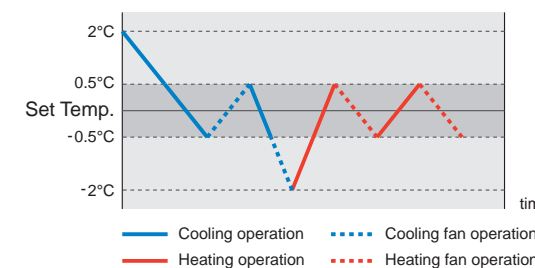
## Simple operation wired remote controller (touch panel)

Large simple-to-operate LCD touch panel is easy to read. It displays various functions for saving energy, convenience, and management.

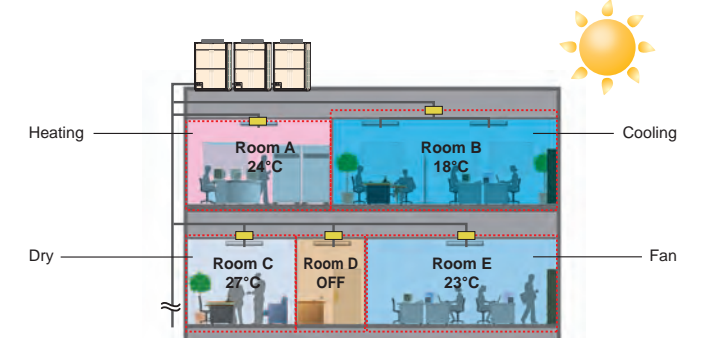


## Easy auto changeover function

At Auto setting, the cooling/heating mode is automatically switched according to the set temperature and room temperature.

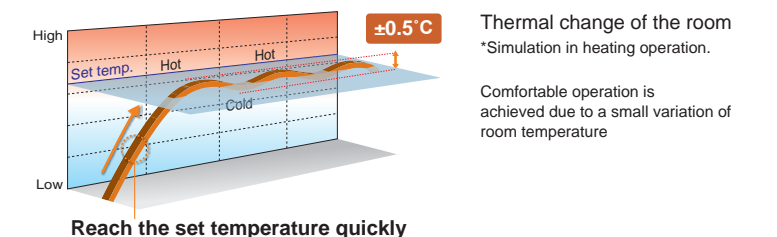


Automatic cooling/heating operation for each room is possible



## Precision refrigerant flow control

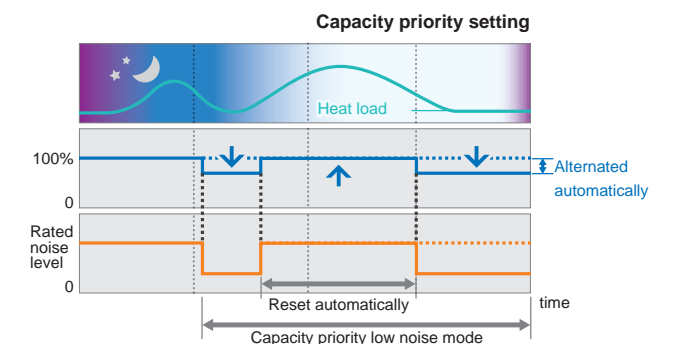
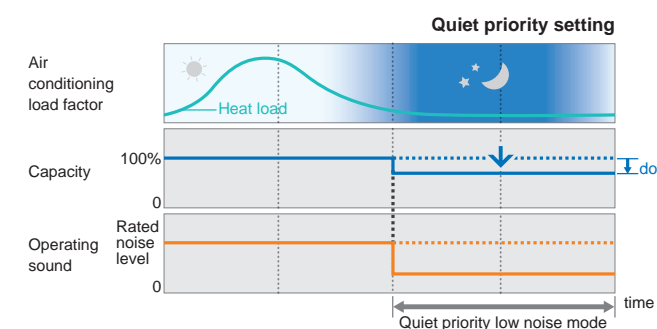
Precision and Smooth refrigerant flow control is achieved by using a DC Inverter control in conjunction with individual indoor unit electronic expansion valve control. This allows for a high precision comfortable temperature control of  $\pm 0.5^{\circ}\text{C}$ .



## Quiet operation

### Low noise mode

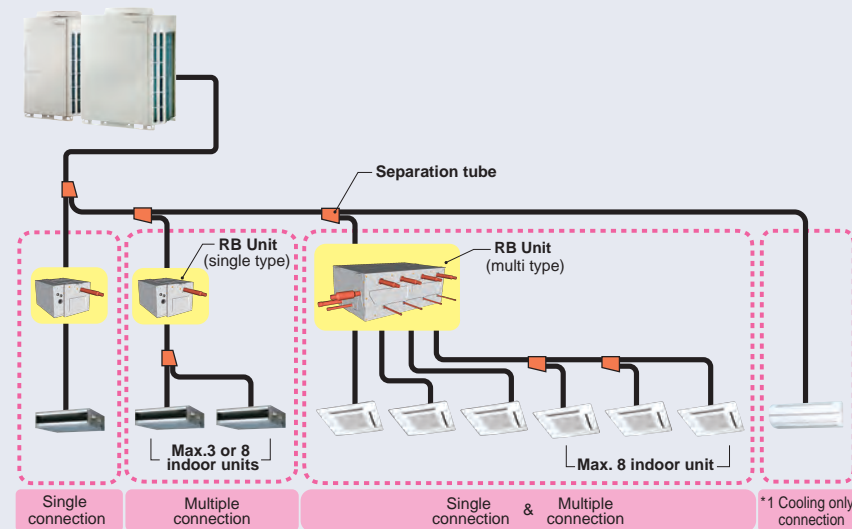
Two low noise modes can be selected automatically by quiet priority setting and capacity priority setting depending on the usage environment and outside temperature load. Outdoor unit external input and setting from system controller are possible.



# Design Flexibility

## Remarkable Point! Flexible piping connection

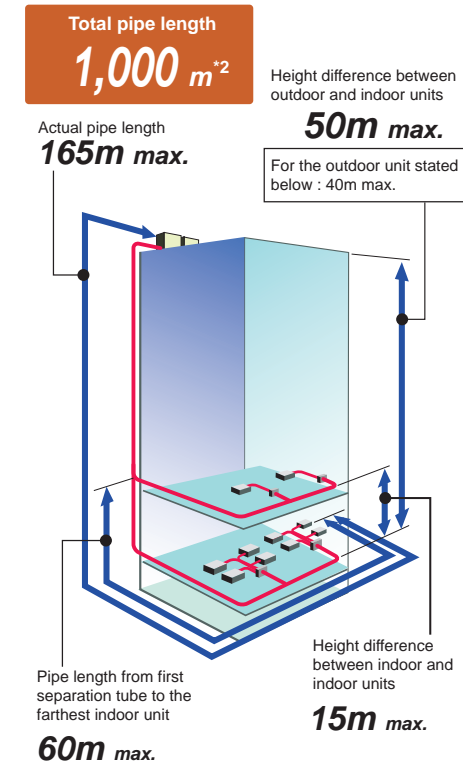
Installation is easier by the various methods of RB unit connection.



- The RB unit can be freely connected between the first branch and the indoor unit.
- The maximum height difference between RB units is 15 m.

\*1. RB Unit is not necessary for cooling only use.

## Overall piping length 1,000m

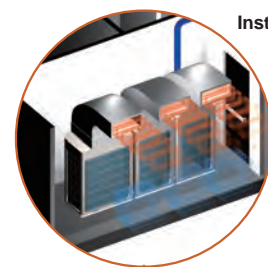
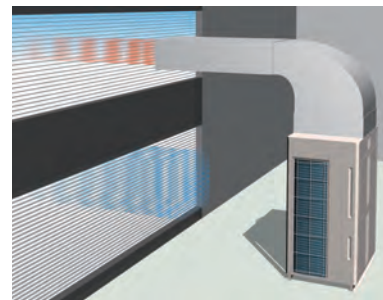


\*2. Note : When there is 1 outdoor unit, the maximum is 700m.

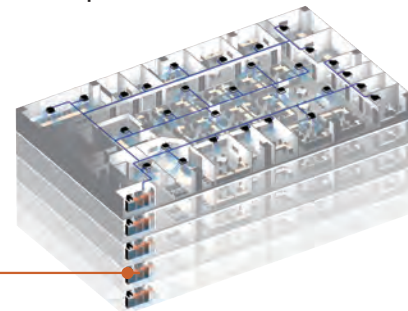
## High static pressure of 80Pa

Large diameter fan and DC motor has been utilized allowing an external static pressure of 80Pa. This allows outdoor units to be installed within balcony, etc. on each floor in high rise buildings.

80 Pa  
as standard



Installation Example

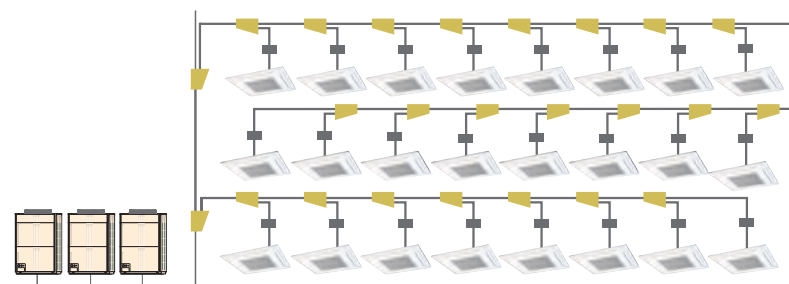


## High capacity connection

Various combination from 8HP to 48HP with 2HP increments. 12 types, 55 models of indoor units can be selected ranging from 2.2kW to 25kW in capacity. A maximum of 150% indoor unit connectable capacity.

Connectable indoor unit capacity  
**50% to 150%**

Connectable indoor unit number  
**up to 64**

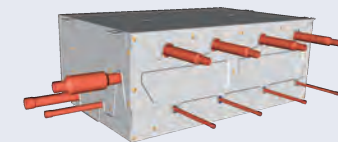


# Easy Installation

## Remarkable Point! Flexible installation of RB unit



RBunit (single type)

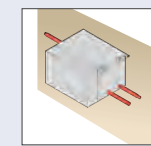


RBunit (multi type)

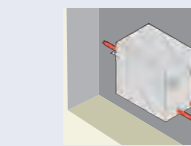
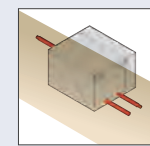
- Small & slim design saves space
- A drain pipe is not required
- The control box position can be changed to meet the installation conditions (Single type)
- Simple installation series connection design (Multi type)

### Single type

Position of the control box can be changed to match the installation site.



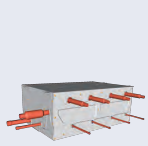
Both-sides installation freedom of the control box



Upper-sides installation of the control box in a narrow space

### Multi type

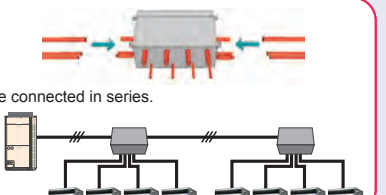
Connection position and continuous connection matched to the installation site are possible.



Multi type

• 2-way connection

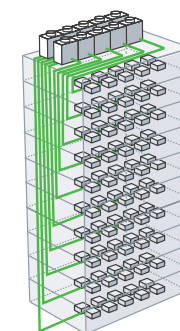
• Up to 2 units can be connected in series.



## Simple signal line connection

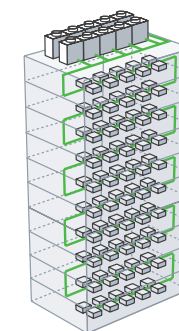
Installation is made as the communication wiring can be connected continuously to RB units and outdoor units.

Note: In a multiple refrigerant system installation, Automatic addressing sequence cannot be initiated

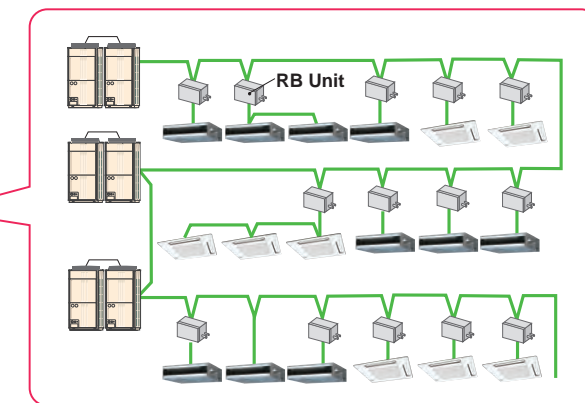


Parallel connection

or



Serial connection

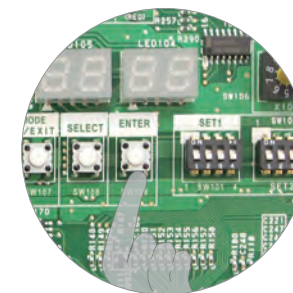


Up to maximum length 3,600m

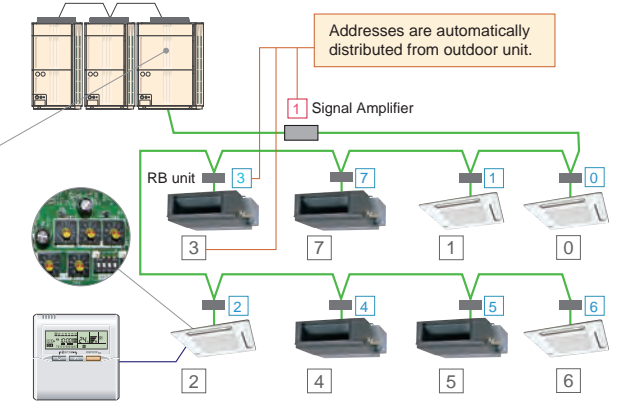
## Automatic address setting

The address of each indoor unit, RB unit, and Signal Amplifier can be automatically set by button switch of outdoor unit.

Automatic address setting is performed at outdoor unit



Press the pushbutton switch of outdoor unit.



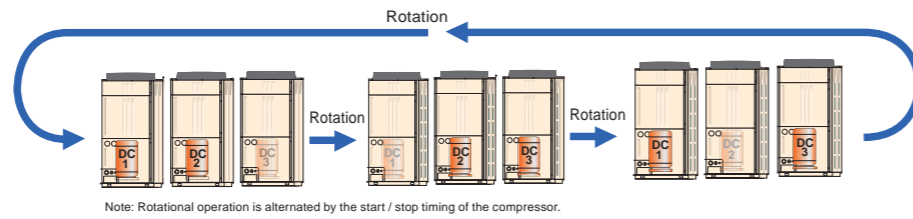
Manual address setting from indoor unit and remote controller is also possible.

# High Reliability

## Life-extending operation

### Outdoor unit rotational operation

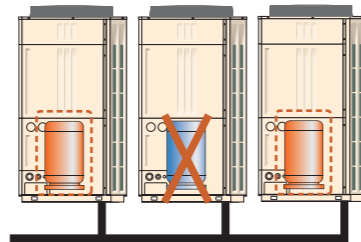
The compressor starting order is rotated so that the running time is shared.



## Backup operation

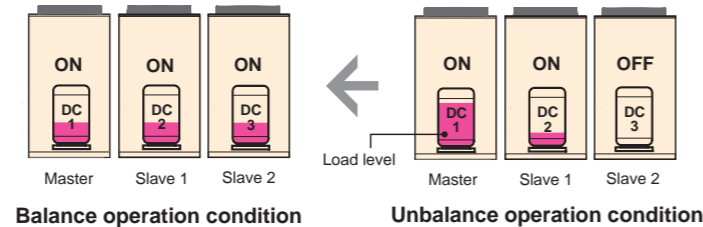
If one compressor fails, backup operation will be performed by the remaining compressors as emergency\*.

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



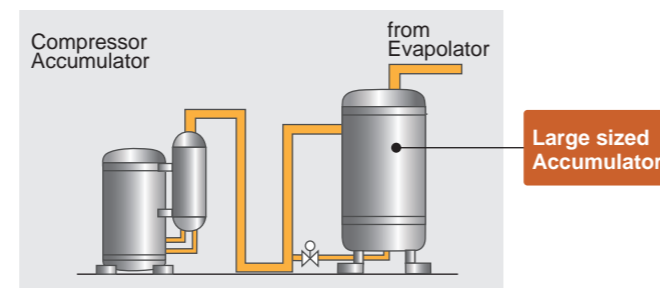
## Refrigerant circulation control

Introduced innovative compressor control logic in order to balance refrigerant mass flow rate of each outdoor unit by controlling inverter speed.



## Liquid back flow protection

By adopting a large sized accumulator, the refrigerant which is not completely vaporized is left inside the accumulator and only a stable gas is fed to the accumulator.

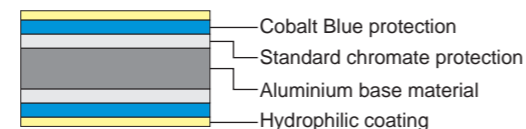


## Adoption of blue fin heat exchanger

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



### Blue fin heat exchanger



# Easy Maintenance & Service



## Various information or error status can be checked easily via Wired Remote Controller

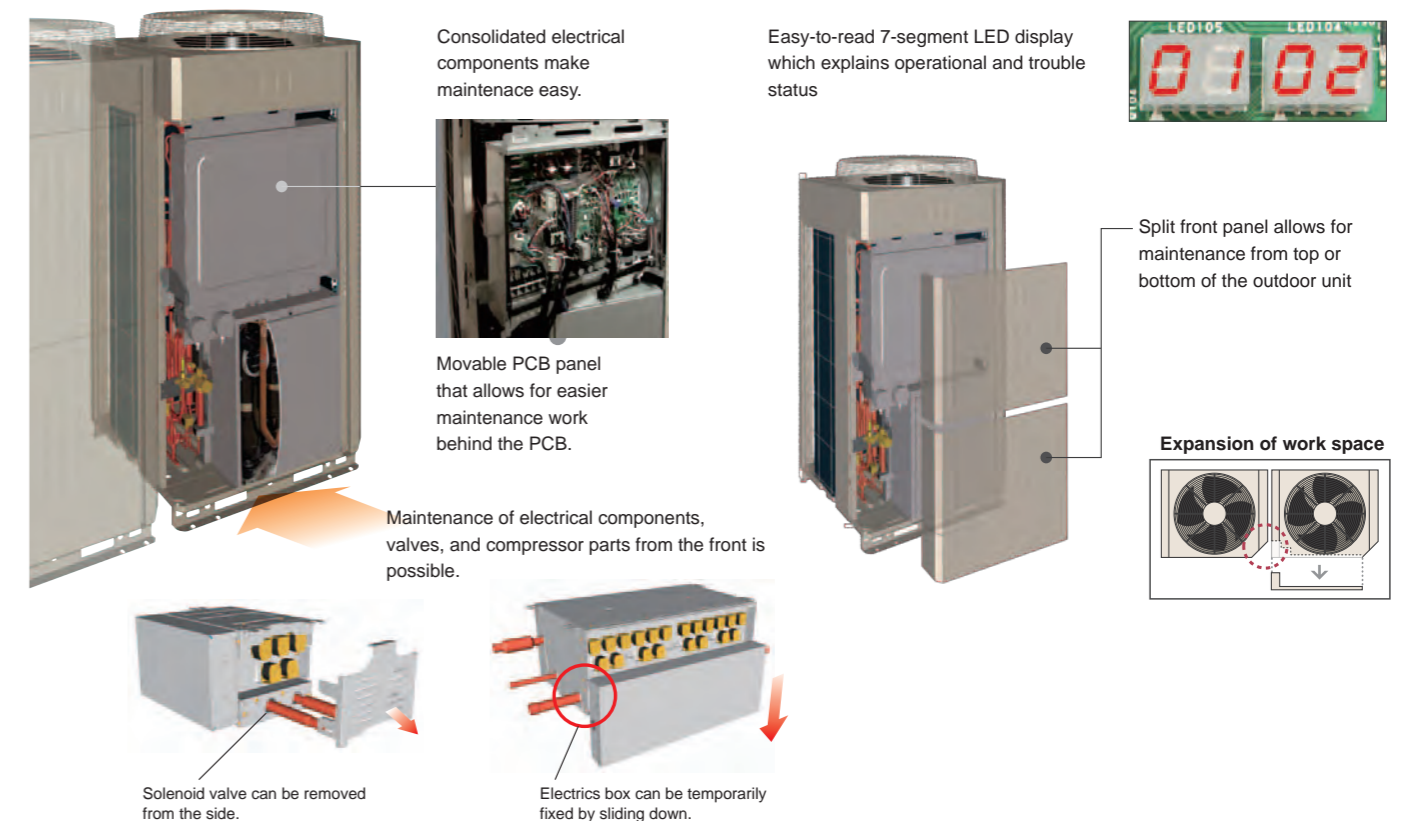
Address, sensor values, and error status can be checked.



Wired Remote Controller (Touch panel)

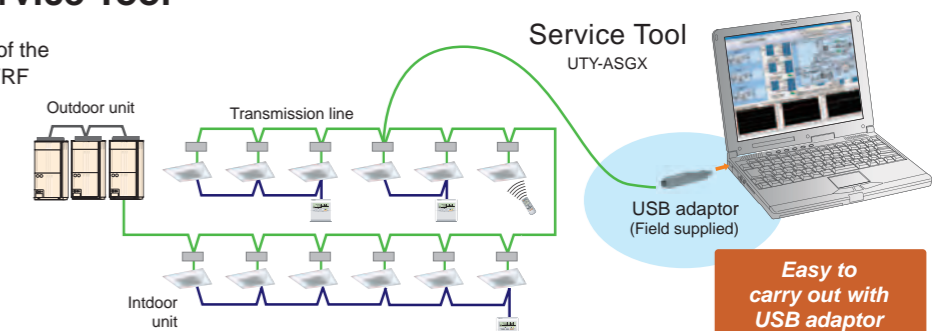
## Design for easy service and maintenance

Inspection and replacement of main parts are easier due to innovative construction and an LED operational display.






## Trouble diagnosis by Service Tool










Suitable maintenance is possible by analysis of the operation data. Connection anywhere in the VRF network system is easy.





## Outdoor units lineup




## Space saving combination

Rating Capacity range	HP	8	10	12	14	16	18	20	22	24
										
Model name		AJ*A72GALH	AJ*A90GALH	AJ*108GALH	AJ*126GALH	AJ*144GALH	AJ*162GALH	AJ*180GALH	AJ*198GALH	AJ*216GALH

26		28		30		32		34		36		38		40		42		44		46		48	
																							
AJ*234GALH	AJ*252GALH	AJ*270GALH	AJ*288GALH	AJ*306GALH	AJ*324GALH	AJ*342GALH	AJ*360GALH	AJ*378GALH	AJ*396GALH	AJ*414GALH	AJ*432GALH												

## Energy efficiency combination

Rating Capacity range	HP	16	22	24	26	28	30
							
Model name		AJ*144GALHH	AJ*198GALHH	AJ*216GALHH	AJ*234GALHH	AJ*252GALHH	AJ*270GALHH

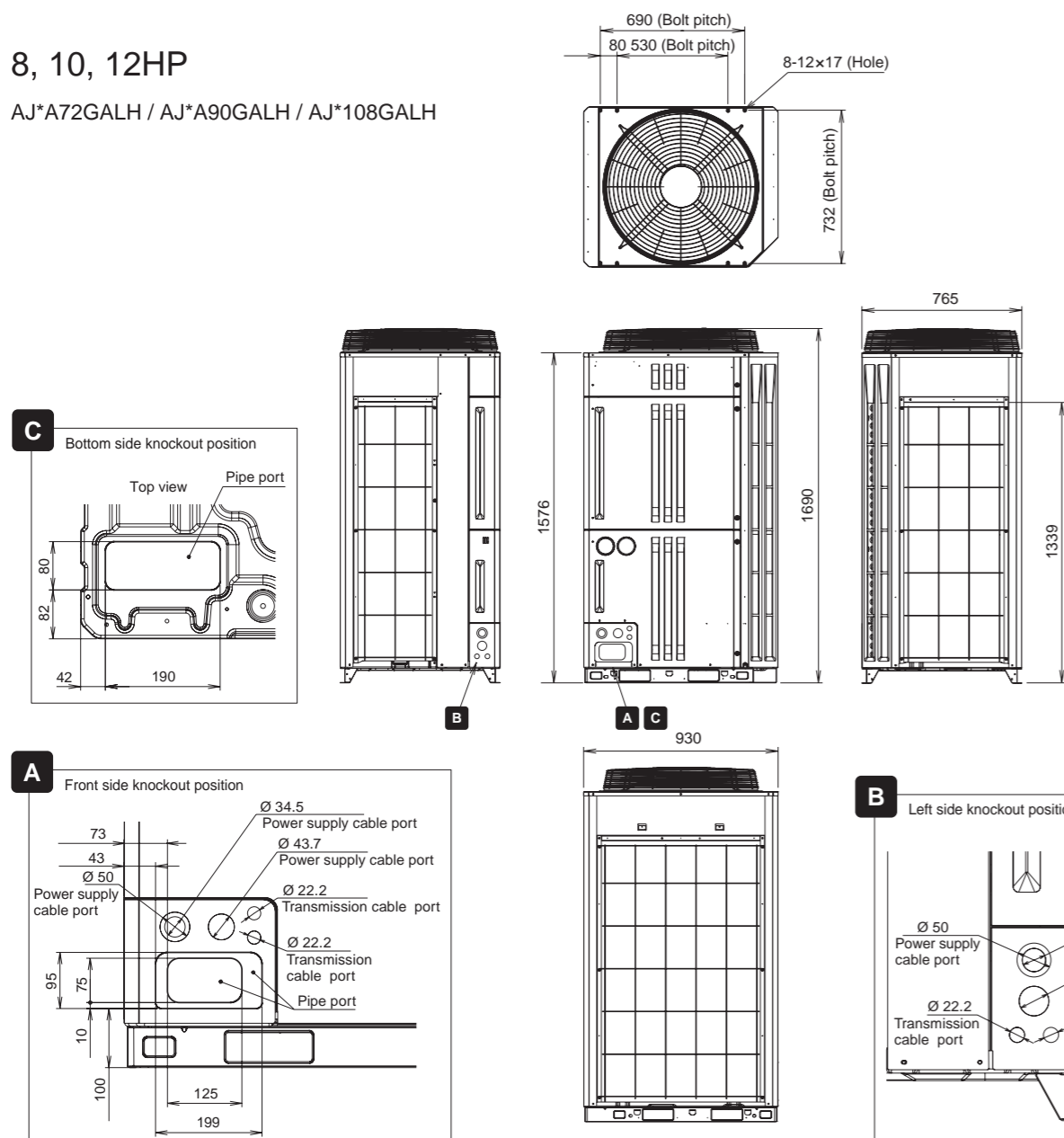
32	34	36	38	40	42	44
						
AJ*288GALHH	AJ*306GALHH	AJ*324GALHH	AJ*342GALHH	AJ*360GALHH	AJ*378GALHH	AJ*396GALHH

## Dimensions

(Unit : mm)

8, 10, 12HP

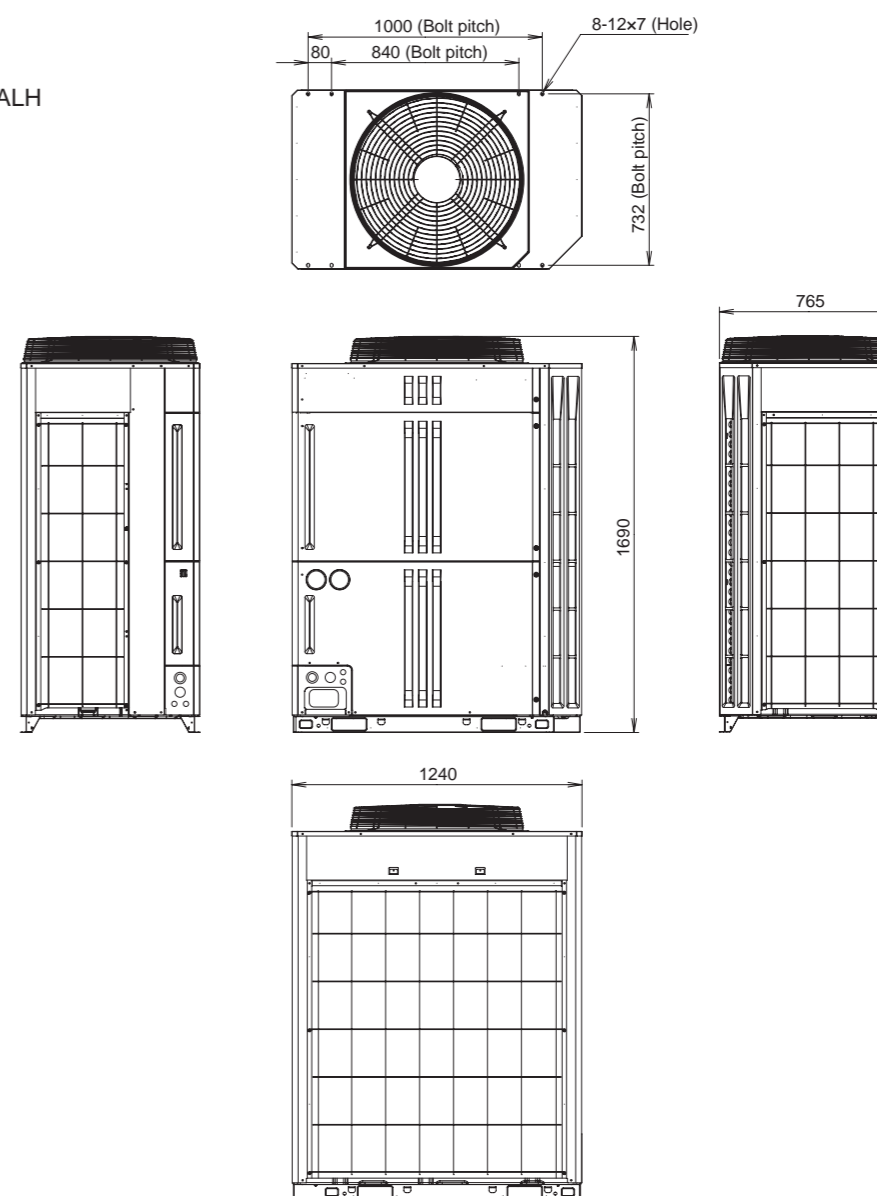
AJ\*A72GALH / AJ\*A90GALH / AJ\*108GALH



14, 16HP




AJ\*126GALH / AJ\*144GALH







(Unit : mm)





Specifications

Space saving combination

Rating Capacity range			HP	8	10	12	14	16	18	20	22	24
												
Model name				AJ*A72GALH	AJ*A90GALH	AJ*108GALH	AJ*126GALH	AJ*144GALH	AJ*162GALH	AJ*180GALH	AJ*198GALH	AJ*216GALH
Unit 1 Unit 2 Unit 3				AJ*A72GALH	AJ*A90GALH	AJ*108GALH	AJ*126GALH	AJ*144GALH	AJ*A90GALH AJ*A72GALH	AJ*A90GALH AJ*A90GALH	AJ*108GALH AJ*A90GALH	AJ*108GALH AJ*108GALH
Maximum Connectable Indoor Unit*1				15	16	17	21	24	27	30	32	35
Indoor unit connectable capacity		Cooling	kW	11.2-33.6	14.0-42.0	16.8-50.2	20.0-60.0	22.4-67.2	25.2-75.6	28.0-83.9	30.8-92.3	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
Maximum external static pressure		Pa		80	80	80	80	80	80	80	80	80
Heat exchanger fin				Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin
Dimensions		Height	mm	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690
		Width	mm	930	930	930	1,240	1,240	930x2	930x2	930x2	930x2
		Depth	mm	765	765	765	765	765	765	765	765	765
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	28.58	28.58	28.58
		Suction Gas		22.22	22.22	28.58	28.58	28.58	28.58	34.92	34.92	
Operation range		Cooling	℃	-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

26	28	30	32	34	36	38	40	42	44	46	48
											
AJ*234GALH	AJ*252GALH	AJ*270GALH	AJ*288GALH	AJ*306GALH	AJ*324GALH	AJ*342GALH	AJ*360GALH	AJ*378GALH	AJ*396GALH	AJ*414GALH	AJ*432GALH
AJ*144GALH AJ*90GALH	AJ*144GALH AJ*108GALH	AJ*144GALH AJ*126GALH	AJ*144GALH AJ*144GALH	AJ*108GALH AJ*108GALH AJ*A90GALH	AJ*108GALH AJ*108GALH AJ*108GALH	AJ*144GALH AJ*108GALH AJ*A90GALH	AJ*144GALH AJ*108GALH AJ*108GALH	AJ*144GALH AJ*144GALH AJ*A90GALH	AJ*144GALH AJ*144GALH AJ*108GALH	AJ*144GALH AJ*144GALH AJ*126GALH	AJ*144GALH AJ*144GALH AJ*144GALH
39	42	45	48	50	53	57	60	63	64	64	64
36.8-110.3	39.3-117.8	42.5-127.5	45.0-135.0	47.5-142.5	50.3-150.8	53.5-160.5	56.0-168.0	59.3-177.8	61.8-185.3	65.0-195.0	67.5-202.5
3-phase 4 wire , 400 V, 50Hz											
73.0	78.5	85.0	90.0	95.0	100.5	106.5	112.0	118.5	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
80	80	80	80	80	80	80	80	80	80	80	80
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
930+1,240	930+1,240	1,240x2	1,240x2	930x3	930x3	930x2+1,240	930x2+1,240	930+1,240x2	930+1,240x2	1,240x3	1,240x3
765	765	765	765	765	765	765	765	765	765	765	765
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




Energy efficiency combination

Rating Capacity range		HP	16	22	24	26	28	30
								
Model name			AJ*144GALHH	AJ*198GALHH	AJ*216GALHH	AJ*234GALHH	AJ*252GALHH	AJ*270GALHH
Unit 1 Unit 2 Unit 3			AJ*A72GALH AJ*A72GALH	AJ*126GALH AJ*A72GALH	AJ*A72GALH AJ*A72GALH AJ*A72GALH	AJ*A90GALH AJ*A72GALH AJ*A72GALH	AJ*A90GALH AJ*A90GALH AJ*A72GALH	AJ*A90GALH AJ*A90GALH AJ*A90GALH
Maximum Connectable Indoor Unit*1			24	33	36	39	42	45
Indoor unit connectable capacity		Cooling    kW	22.4-67.2	31.2-93.6	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	62.4	67.2	72.8	78.4	84.0
	Heating		50.0	70.0	75.0	81.5	88.0	94.5
Maximum external static pressure		Pa	80	80	80	80	80	80
Heat exchanger fin			Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin
Dimensions	Height	mm	1,690	1,690	1,690	1,690	1,690	1,690
	Width	mm	930x2	930+1,240	930x3	930x3	930x3	930x3
	Depth	mm	765	765	765	765	765	765
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	℃	-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

AJ\* : AJY(FUJITSU), AJH(GENERAL)

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.







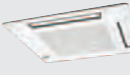
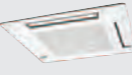
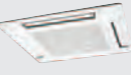













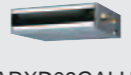
































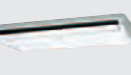
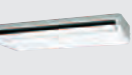













32	34	36	38	40	42	44
						
AJ*288GALHH	AJ*306GALHH	AJ*324GALHH	AJ*342GALHH	AJ*360GALHH	AJ*378GALHH	AJ*396GALHH
AJ*126GALH AJ*A90GALH AJ*A72GALH	AJ*126GALH AJ*A90GALH AJ*A90GALH	AJ*126GALH AJ*126GALH AJ*A72GALH	AJ*126GALH AJ*126GALH AJ*A90GALH	AJ*144GALH AJ*126GALH AJ*A90GALH	AJ*126GALH AJ*126GALH AJ*126GALH	AJ*144GALH AJ*126GALH AJ*126GALH
48	51	54	57	60	64	64
44.9-134.1	48.0-143.8	51.2-153.6	54.0-162.0	56.8-170.2	60.0-180.0	62.5-187.5
3-phase 4 wire, 400 V, 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
80	80	80	80	80	80	80
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
930x2+1,240	930x2+1,240	930+1,240x2	930+1,240x2	930+1,240x2	1,240x3	1,240x3
765	765	765	765	765	765	765
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

\*1 Minimum connectable indoor unit number is 2.

Indoor Unit Lineup

Comprehensive range of indoor units of variety design and capacity ranges available which can be selected to suit any air conditioning needs.

12 Types, 55 Models, Capacity range from 2.2kW to 25.0kW

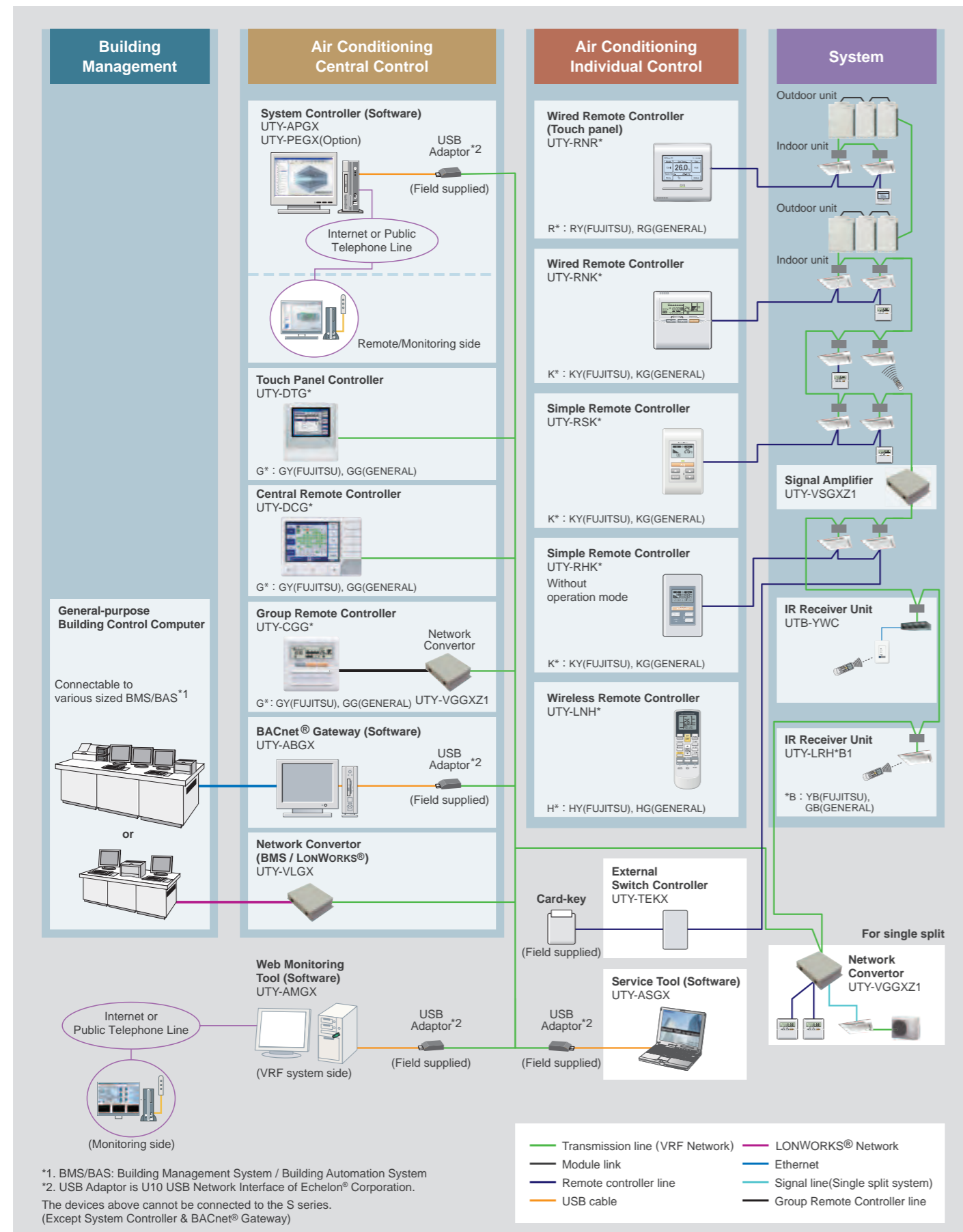
Capacity range (kW)		2.2	2.8	3.6	4.5	5.6	7.1	9.0	11.2	12.5	14.0	18.0	22.4	25.0
Model code		7	9	12	14	18	24	30	36	45	54	60	72	90
Cassette	4-way Compact Cassette	 AUXB07GALH	 AUXB09GALH	 AUXB12GALH	 AUXB14GALH	 AUXB18GALH	 AUXB24GALH							
	4-way Cassette					 AUXD18GALH	 AUXD24GALH	 AUXA30GALH	 AUXA36GALH	 AUXA45GALH	 AUXA54GALH			
Concealed Duct	Low Static Pressure Duct	 ARXB07GALH	 ARXB09GALH	 ARXB12GALH	 ARXB14GALH	 ARXB18GALH	 ARXB24GALH	 ARXB30GALH	 ARXB36GALH	 ARXB45GALH				
	Slim Duct (Drain pump internal)	 ARXD07GALH	 ARXD09GALH	 ARXD12GALH	 ARXD14GALH	 ARXD18GALH	 ARXD24GALH							
	Medium Static Pressure Duct						 ARXA24GALH	 ARXA30GALH	 ARXA36GALH	 ARXA45GALH				
	High Static Pressure Duct								 ARXC36GATH	 ARXC45GATH		 ARXC60GATH	 ARXC72GATH	 ARXC90GATH
Floor	Floor standing (*Same as Ceiling models)			 AB*A12GATH	 AB*A14GATH	 AB*A18GATH	 AB*A24GATH							
	Concealed Floor mounted (*Same as Low Static Pressure Duct models)	 ARXB07GALH	 ARXB09GALH	 ARXB12GALH	 ARXB14GALH	 ARXB18GALH								
	Slim Concealed Floor mounted (*Same as Slim Duct models)	 ARXD07GALH	 ARXD09GALH	 ARXD12GALH	 ARXD14GALH	 ARXD18GALH	 ARXD24GALH							
Ceiling	Ceiling			 AB*A12GATH	 AB*A14GATH	 AB*A18GATH	 AB*A24GATH	 AB*A30GATH	 AB*A36GATH	 AB*A45GATH	 AB*A54GATH			
Wall Mounted	Wall Mounted	 AS*A07GACH	 AS*A09GACH	 AS*A1GACH	 AS*A14GACH	 AS*A18GACH	 AS*A24GACH	 AS*A30GACH						
	Wall Mounted (EEV external)	 AS*E07GACH	 AS*E09GACH	 AS*E12GACH	 AS*E14GACH									

With this model, connection of EV kit is necessary.

AB\* : ABY(FUJITSU), ABH(GENERAL) AS\* : ASY(FUJITSU), ASH(GENERAL)

# Control System

Every user's needs are supported by offering a variety of controls, such as individual control, central control and building management control options.



## Individual controller

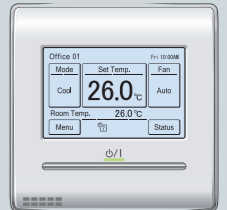
### Wired Remote Controller (Touch panel)

UTY-RNR\*

- LCD easy finger touch operation
- Built-in weekly/Daily timer(ON/OFF,Temp.,Mode)
- Temperature upper and lower limit setting
- Background light enables easy operation in a darkened room
- Anti-cool /Anti-heat and Anti-freeze setting
- Room temperature display
- Control up to 16 indoor units
- Corresponds to 7 different languages •Non-polar 2 wires

R\* : RY(FUJITSU), RG(GENERAL)

Max. controllable  
16  
indoor units



### Wired Remote Controller

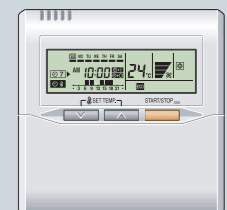
UTY-RNK\*

The room temperature can be controlled by detecting the temperature accurately from the built-in sensor

- Simple operation with Built-in Weekly / Daily Timer.
- Control up to 16 indoor units.
- Up to 2 wired remote controllers can be connected to a single indoor unit.

K\* : KY(FUJITSU), KG(GENERAL)

Max. controllable  
16  
indoor units



### Simple Remote Controller

UTY-RSK\*

UTY-RHK\* (Without operation mode)

Compact remote controller provides access to basic functions

- Up to 16 indoor units can be controlled with one remote controller.
- Suitable for hotels or offices as it is easily operated with no complex functions.

K\* : KY(FUJITSU), KG(GENERAL)

Max. controllable  
16  
indoor units



### Wireless Remote Controller

UTY-LNH\*

Simple and sophisticated operations with a choice of 4 daily timers

- A single controller controls up to 16 indoor units.

H\* : HY(FUJITSU), HG(GENERAL)

Max. controllable  
16  
indoor units

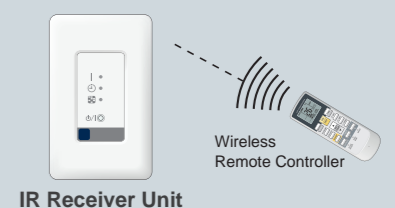
Selectable  
4  
daily timers



### IR Receiver Unit

UTB-YWC

Necessary to control for all duct type by Wireless Remote Controller

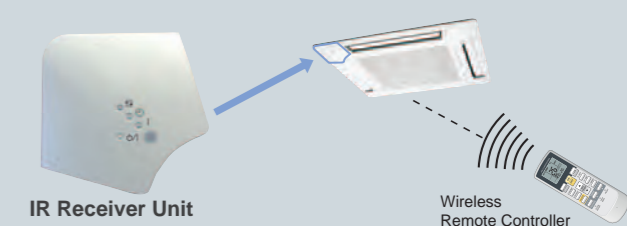


### IR Receiver Unit

UTY-LRH\*B1

Cassette type indoor unit can be controlled with Wireless Remote Controller

\*B : YB(FUJITSU), GB(GENERAL)



# Control System

## Central controller

### Group Remote Controller

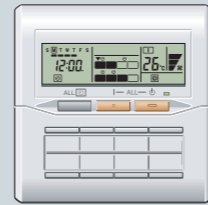
UTY-CGG\*

Group control of indoor units with simple operation

- Up to 8 remote controller groups can be controlled by one Group Remote Controller.
- Up to 64 Group Remote Controllers can be connected in one VRF network system.
- Network Converter is required to connect Group Remote Controllers to a VRF network system.  
(Network Converter allows up to 4 Group Remote Controllers)

Max. controllable  
**64**  
group R.C. in a VRF  
network system

Max. controllable  
**8**  
remote  
controller groups



G\* : GY(FUJITSU), GG(GENERAL)

### Central Remote Controller

UTY-DCG\*

Central control of small- and medium-sized buildings and tenants.

- Individual control and monitor of 100 indoor units
- 5 inch TFT color screen
- User friendly view and easy operation
- External input / output contact
- Detachable power supply unit
- Corresponds to 7 different languages like English, Chinese, French, German, Spanish, Russian, Polish.

Max. controllable  
**100**  
Indoor units

Max. controllable  
**16**  
groups



G\* : GY(FUJITSU), GG(GENERAL)

### Touch Panel Controller

UTY-DTG\*

- Large-sized 7.5-inch TFT color
- LCD Easy finger touch operation
- Stylish shape and design to suit all application
- No additional component is required for installation
- Up to 400 indoor units can be controlled
- Selectable 2 display types (Icon / List) in monitoring mode
- Corresponds to 7 different languages, English, Chinese, French, German, Spanish, Russian, Polish.

Max. controllable  
**400**  
indoor units



G\* : GY(FUJITSU), GG(GENERAL)

### System Controller Software

UTY-APGX

UTY-PEGX (Energy manager- Option)

System Controller realizes the advanced integrated monitoring & control of VRF network system from small scale buildings to large scale buildings.

- Up to a maximum of 4 VRF network systems, 1600 indoor units, and 400 outdoor units can be controlled.
- Supports VRF VR-II as well as S/V and V-II series.
- In addition to air conditioning precision control function, central remote control, electricity charge calculation, schedule management, and energy saving functions are strengthened and building manager and owner needs are met.
- Corresponds to 7 different languages (English, Chinese, French, German, Spanish, Russian, Polish)

Max. controllable  
**4**  
VRF network systems

Max. controllable  
**400**  
outdoor units

Max. controllable  
**1,600**  
indoor units



## Service & Maintenance Tool

### Service Tool Software

UTY-ASGX

Extensive monitoring and analysis functions for installation and maintenance

- Operation status can be checked and analyzed to detect even the smallest abnormalities
- Storage of data on system operation status on a PC allows access even from off site.
- Up to 400 indoor units (a single VRF network system) can be controlled and monitored for large scale buildings or hotels
- This software can be connected to any point of transmission line with USB adaptor (field supplied).
- Supports VRF VR-II as well as S/V and V-II series.

Max. Monitor  
and controll  
**400**  
indoor units

Max. Monitor  
and controll  
**100**  
outdoor units



## Service & Maintenance Tool

### Web Monitoring Tool Software

UTY-AMGX

Product features

- Troubleshooting is performed by monitoring each air conditioning unit remotely during periodical system checks.
- Error notification can be automatically transmitted to several locations using the internet\*1.
- Requires either a dedicated internet connection or public telephone line.
- Determination of an error occurrence can be made through error warnings and equipment status information obtained from a remote location.
- Supports VRF VR-II as well as S/V and V-II series.

VRF network system  
can be supported  
**4**

**1,600**  
indoor units  
can be supported

\*1: Use of internet mail system required.

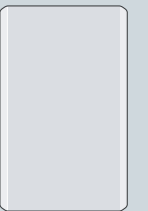
## Convertor/Adaptor

### External Switch Controller

UTY-TEKX

Air conditioner switching can be controlled by connecting other sensor switches

- In combination with a field supply Card-Key Switch or other sensor, the External Switch Controller allows control of the ON / OFF, Room temperature, Fan speed and Master control functions. This makes this product suitable for installations such as hotel rooms.



### Network Converter

UTY-VGGXZ1

- This network converter is to be used for connecting single split system or group remote controller with the VRF network system.
- Please select the function by switching the dip switch during the installation.

Max. controllable  
**16**  
Network  
Converter units



### Network Converter for LONWORKS®

UTY-VLGX

- For connection between VRF network system and a LONWORKS® open network for management of small to medium-sized BMS and VRF network system.
- The UTY-VLGX permits central monitoring and control of a VRF network system from a BMS through a LONWORKS® interface.

Max. controllable  
**4**  
Units to BMS

Max. controllable  
**128**  
indoor units



### BACnet® Gateway Software

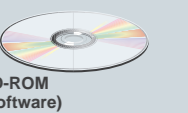
UTY-ABGX

- The VRF network system can be incorporated into a Building Management System.
- Enables central control of up to 1,600 indoor units through BACnet®, a global standard for open networks.
- Conforms to ANSI / ASHRAE Standards® 135-2004 BACnet® Application Specific Controller (B-ASC) BACnet® / IP over Ethernet.
- Connects up to 4 VRF network systems (1,600 indoor units / 400 outdoor units) per gateway.
- Supports VRF VR-II as well as S/V and V-II series.

Max. controllable  
**4**  
VRF network systems

Max. controllable  
**400**  
outdoor units

Max. controllable  
**1,600**  
indoor units



CD-ROM  
(Software)



Software  
Protection Key

### Signal Amplifier

UTY-VSGXZ1

- Transmission Line length can be extended up to 3,600m with multiple Signal Amplifier.
- Multiple Signal Amplifier are required according to the total wiring length or total number of connectable units.
- A Signal Amplifier has filter function for communication. It is required every VRF refrigerant system in a parallel transmission connection when the total number of indoor units exceeds 320.

