

Light Commercial & Commercial, Residential

VRF

AIRSTAGE™ VRF systems can be designed to create an air conditioning solution to suit most buildings requirements.

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

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VRF Outdoor Units



AIRSTAGE™ J Series Heat Pump for Small Capacity Type

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AIRSTAGE™

VRF

Light Commercial &
Commercial,
Residential



FUJITSU GENERAL (Euro) GmbH participates in the ECP programme for VARIABLE REFRIGERANT FLOW SYSTEMS. Check ongoing validity of certificate: www.eurovent-certification.com * Models so marked are not ECC certified.

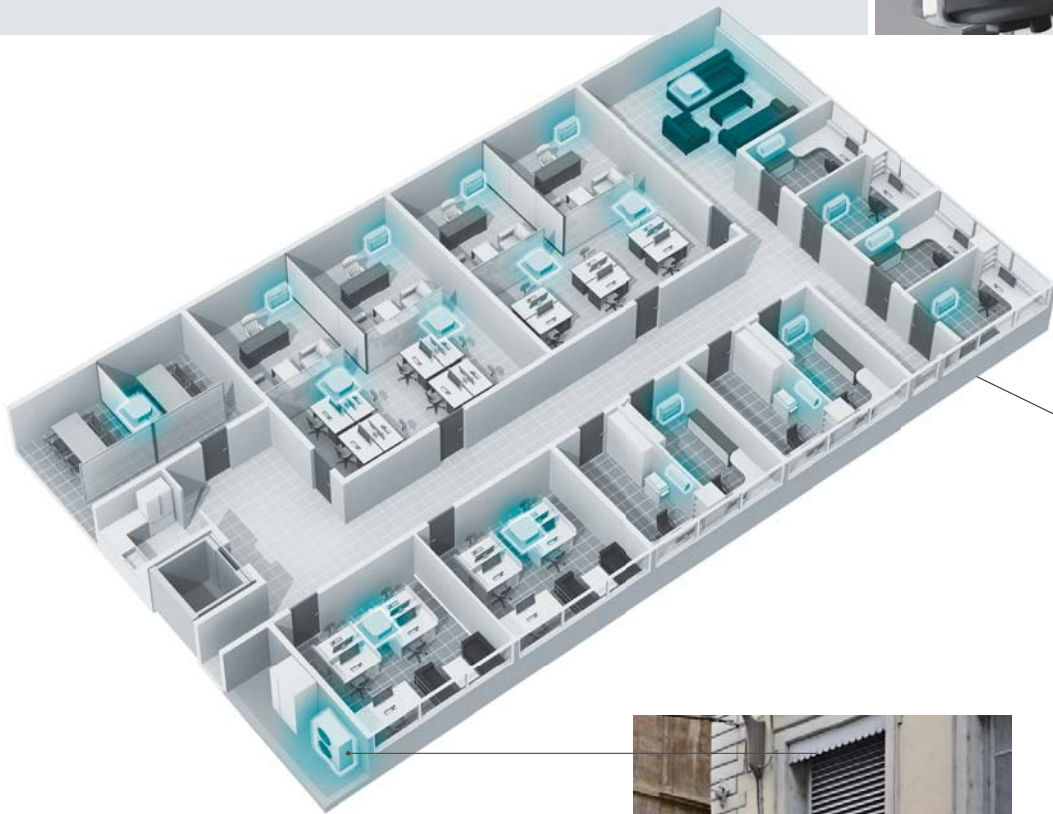
FUJITSU GENERAL LIMITED



Small Offices

For Light Commercial

Fujitsu General provides perfect ideal air conditioning systems that take into account energy saving, low noise, comfortable airflow, small room application and centralised control for small-sized office buildings with many small rooms.

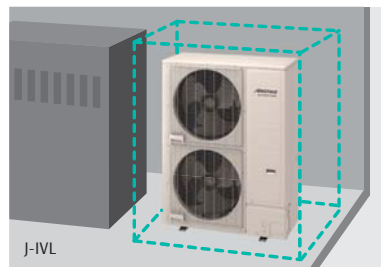


NEW

AIRSTAGE™ J Series Up to 18 HP with a compact outdoor unit

This small VRF system is suitable for a building with many small rooms. Max. 42* indoor units can be connected.

*Only J-IVL 18 HP model



Compact and low noise outdoor unit

This compact outdoor unit does not take up much space even if installed in a machine room or on the rooftop. This unit provides enough static pressure even if there are louvres. Low noise operation is possible at nighttime by a low noise mode.



Central Remote Controller UTY-DCGYZ1



Centralised remote controller with improved operability

Each individual room can have its own schedule setting. This controller makes energy saving management possible with upper/lower temperature limit settings and operation prohibited settings.

Various indoor units lineup for low capacity class

Various range of low capacity 1.1 kW indoor units to suit small rooms or spaces.



LAN



PC

Control and monitoring

The same level of management that is possible from the centralised controller is possible even if you are at your desk. Non-administrators can also operate the air conditioners with a PC, Smartphone or tablet.



Wireless LAN

Router

Fixed IP, IP forwarding and open Port required



Tablet PC

Smartphone

*Wireless LAN support : Future release



NEW

New Compact wired remote controller

A compact controller with a large screen making operation easy. A stylish design to suit any interior..



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%

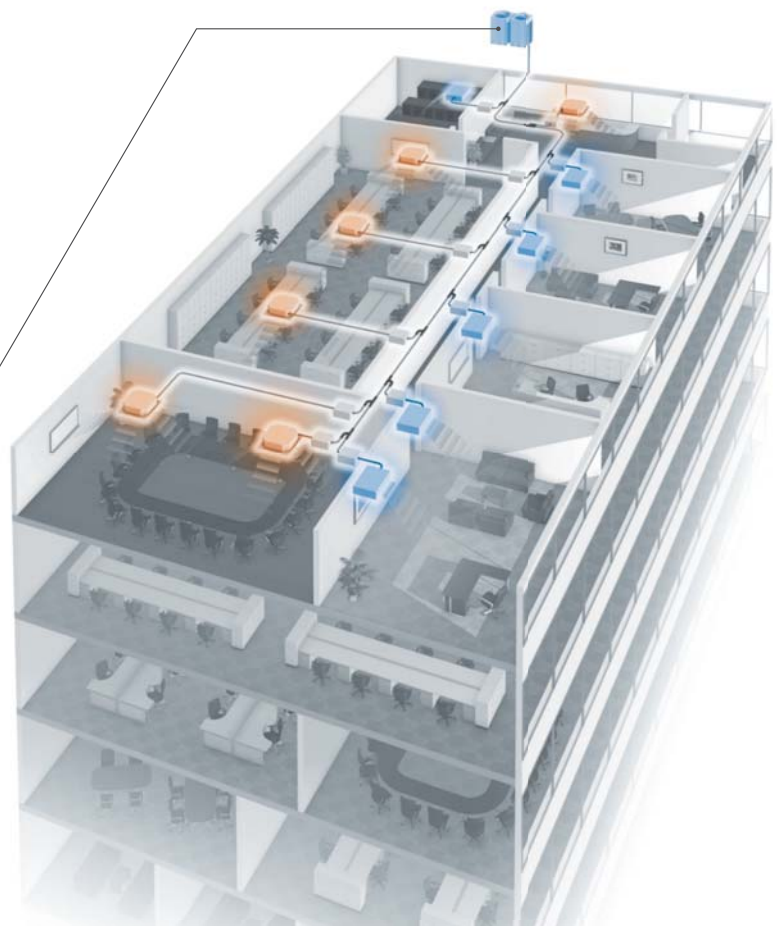
8 HP - 48 HP 34 Models

- 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.

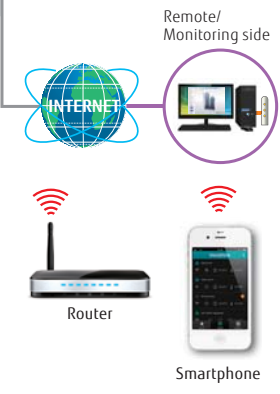
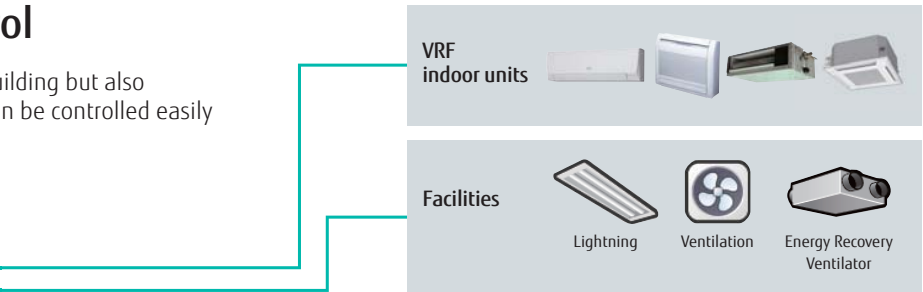


Centralised control

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

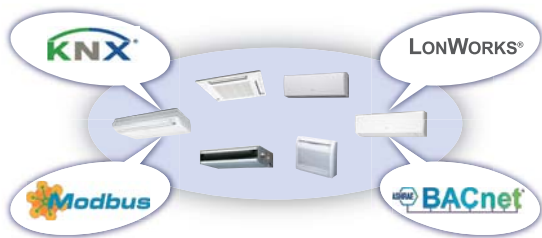


System Controller (UTY-APGXZ1)
System Controller Lite (UTY-ALGXZ1 & UTY-PLGXXZ)



Link up with a variety of BMS

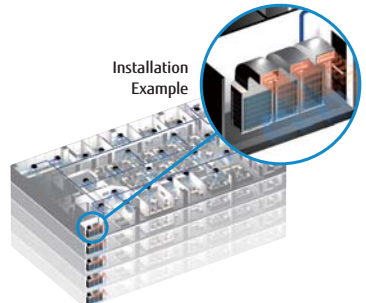
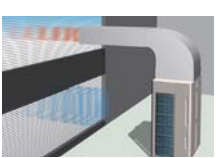
It is possible to link up MODBUS, BACnet, KNX and other interfaces via Fujitsu BMS interfaces.



High system flexibility

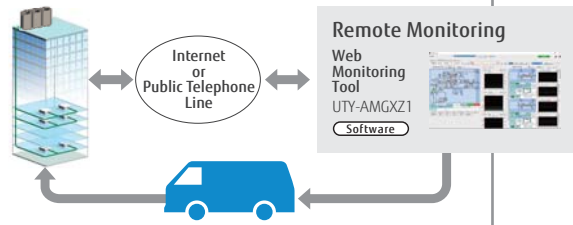
Flexible installation on each floor and installation of a variety of indoor unit styles. Outdoor units provides high static pressure, long piping design and connection capacity.

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.

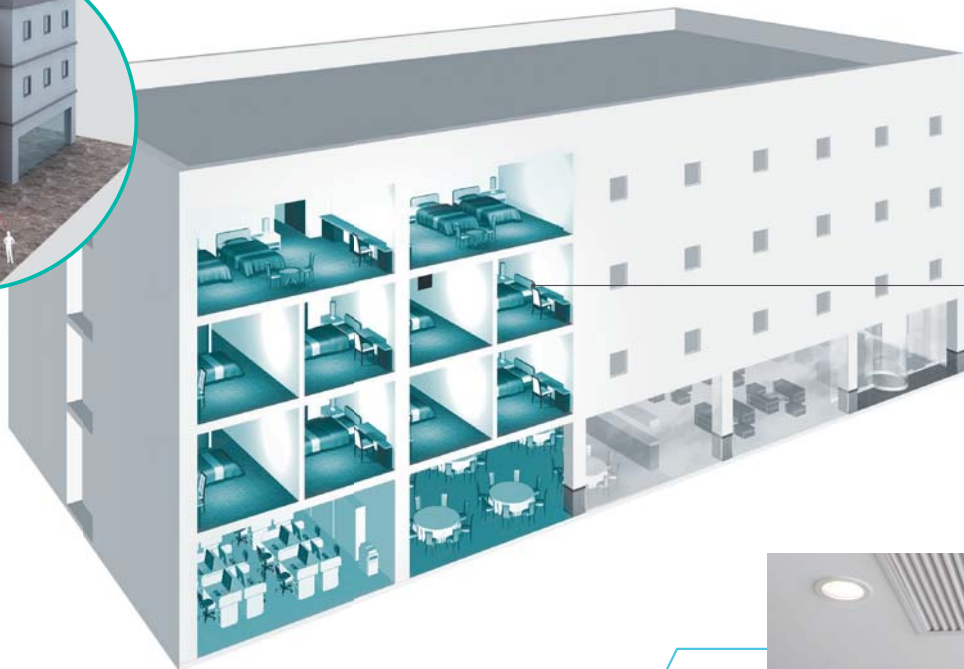




Hotels

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.



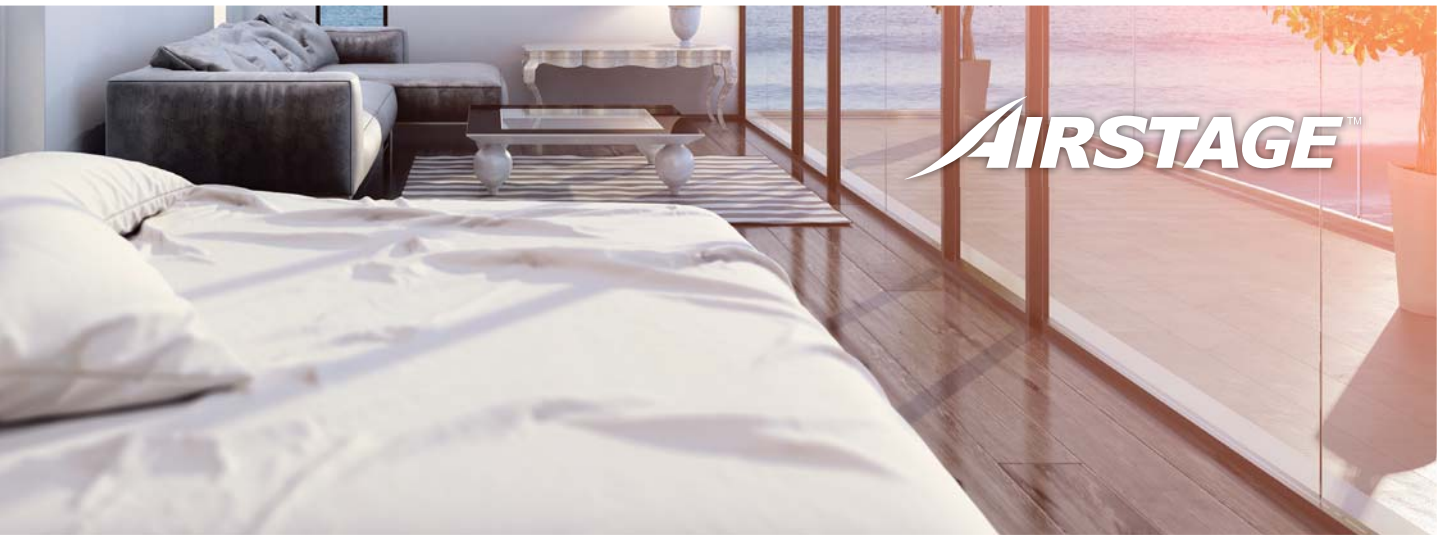
Ventilation of the whole hotel supported

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

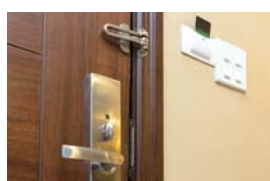
Space saving
Mini duct type with 198 mm height and 450 mm depth. This can be installed in narrow ceiling space easily.



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



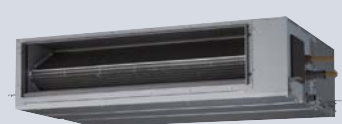
Simple Remote Controller with sophisticated design

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

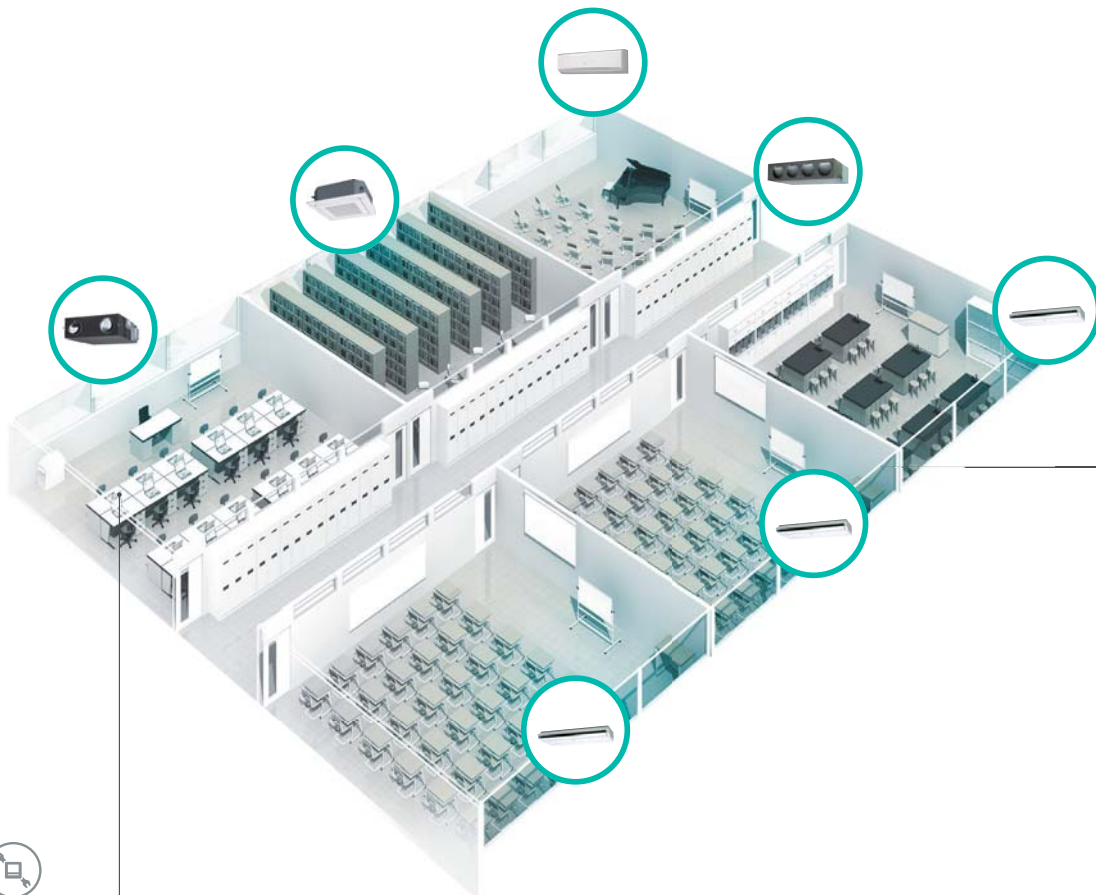




School

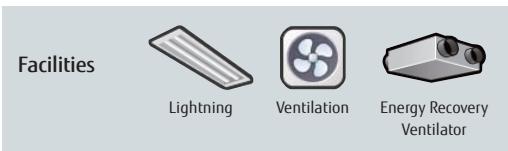
For Light Commercial

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



AIRSTAGE™



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. .



Energy Recovery Ventilator



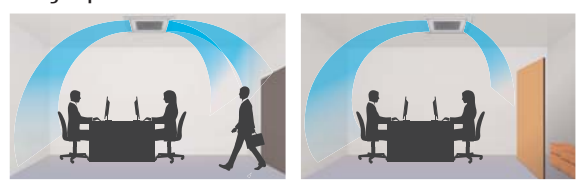
Circular Flow Cassette

Comfortable room air conditioning to all areas of the room

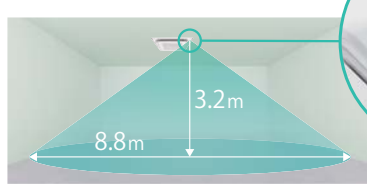
Circular Flow Cassette blows out in all directions without temperature unevenness



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

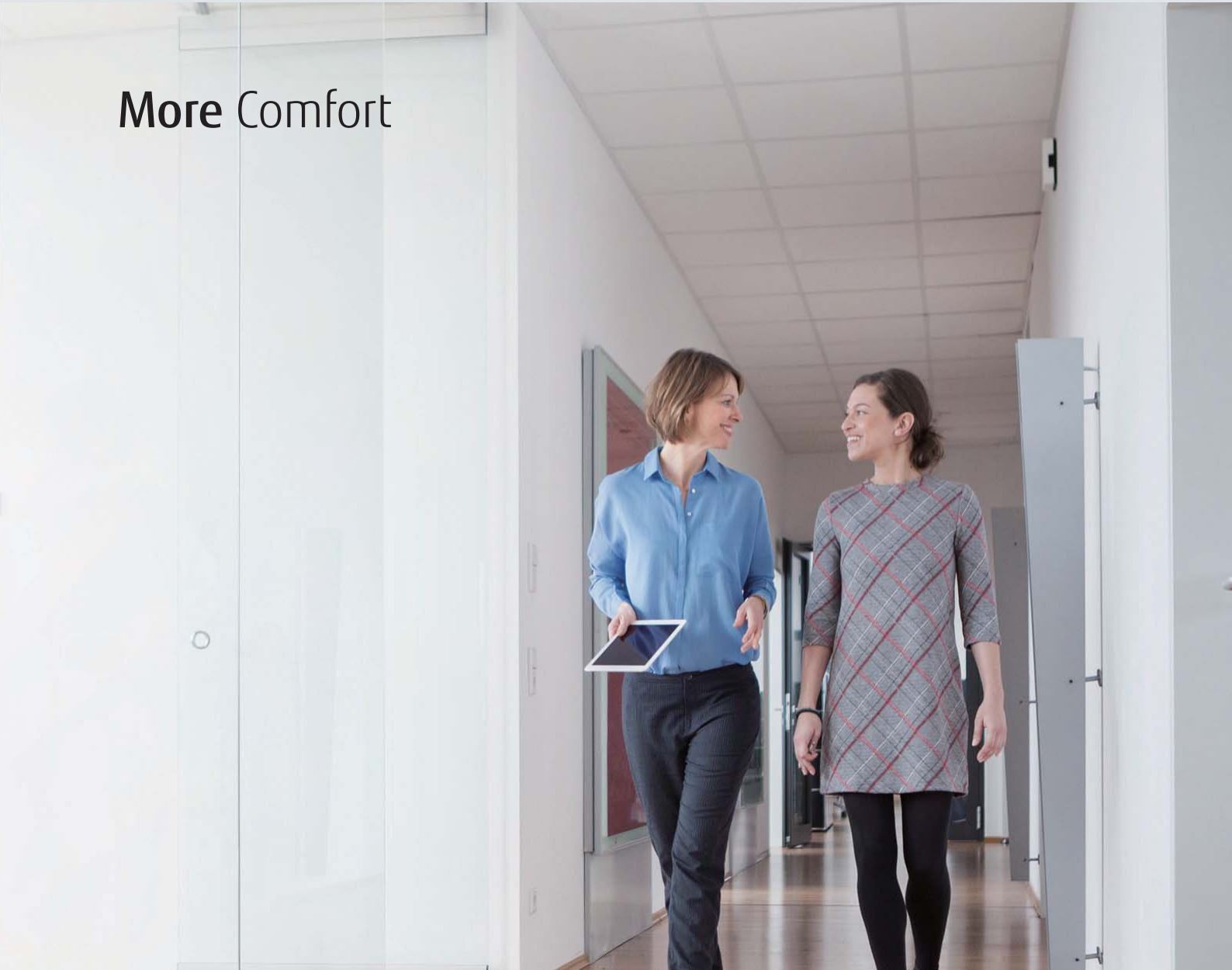


The optional human sensor reduces running costs by controlling the indoor unit based on the occupancy of the room.



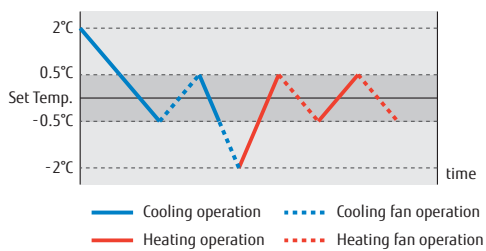
Human sensor (Option)

More Comfort

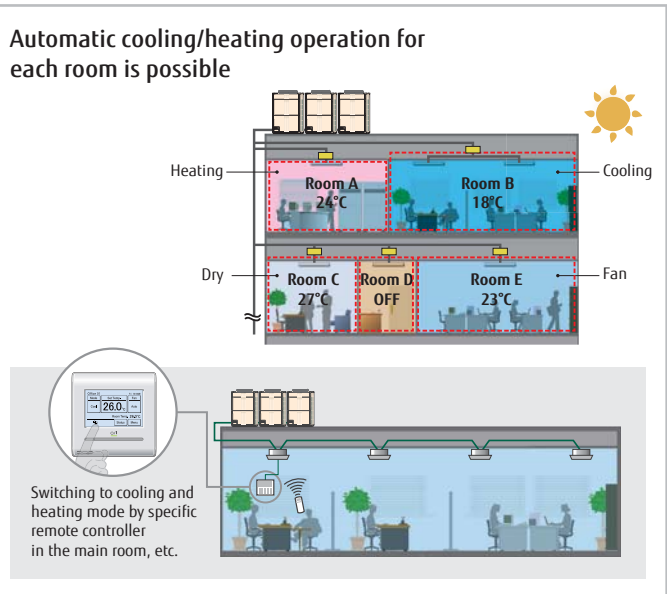


Auto changeover function

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

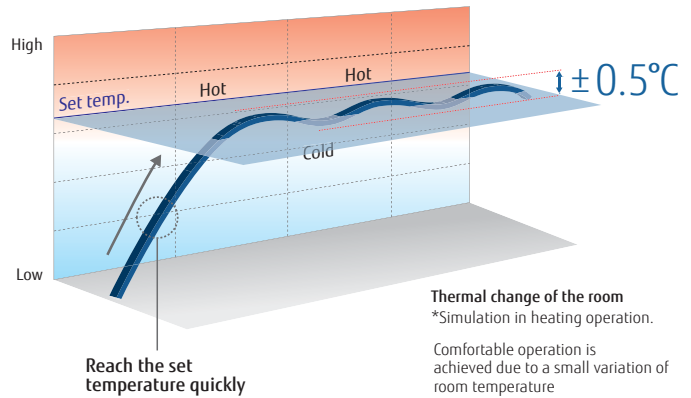


Auto changeover setting allows for the product to easily switch between cooling and heating modes regardless of the operation mode of other indoor units. This can be done via specific indoor unit with wired remote controller. This ensures comfortable operation all year round.



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 $\pm 0.5^{\circ}\text{C}$.

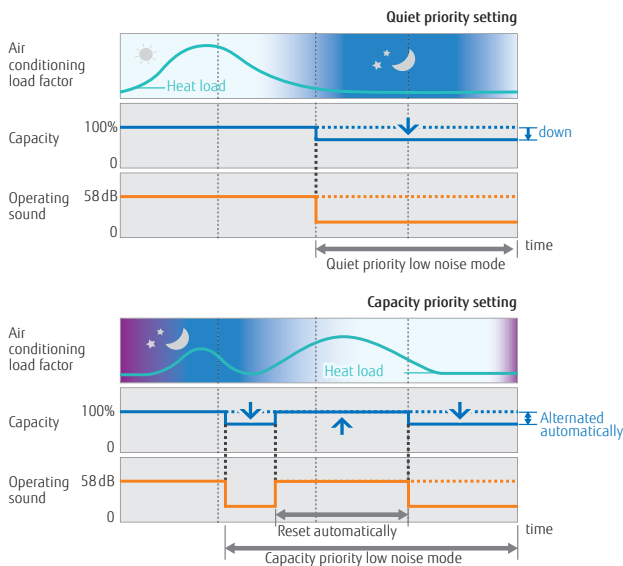


Quiet operation



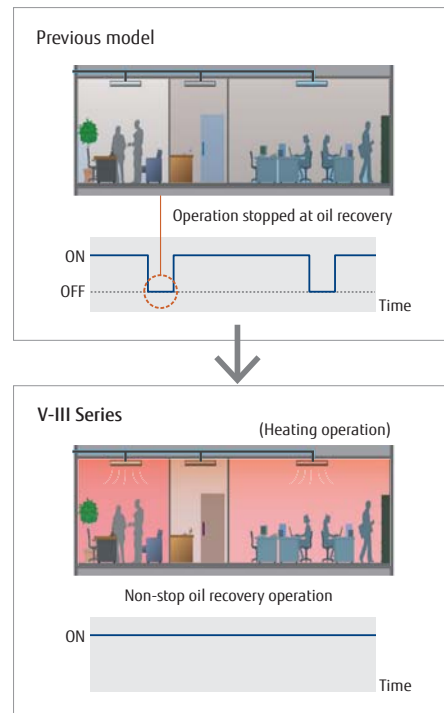
Quiet operation

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.

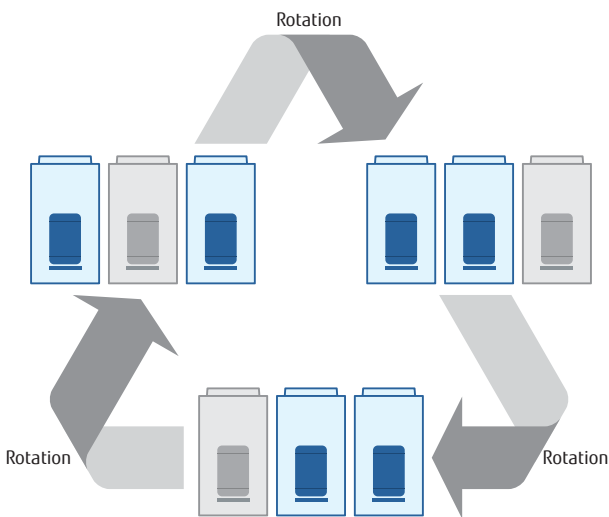
These models will be able to offer comfortable environment by operating at super low sound levels. Especially, Wall mounted (EEV external) type is 19dB(A) when low mode heating operation.



High Reliability

Outdoor unit rotational operation

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

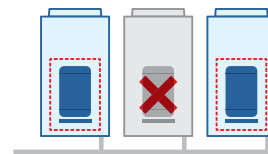


Note: Rotational operation is alternated by the start / stop timing of the compressor.

Backup operation

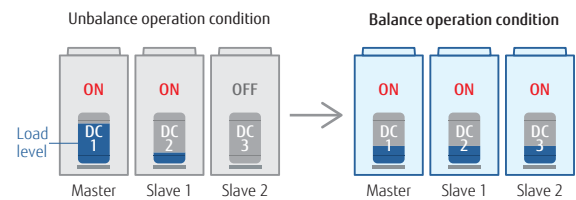
If one compressor fails, backup operation will be performed by the remaining compressors*.

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



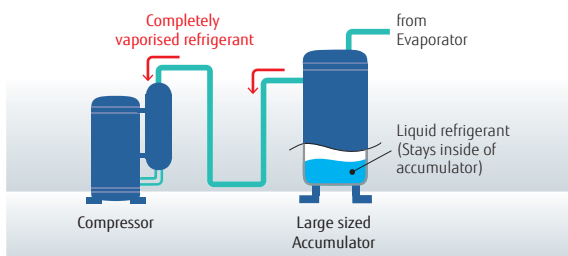
Advanced refrigerant control

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.



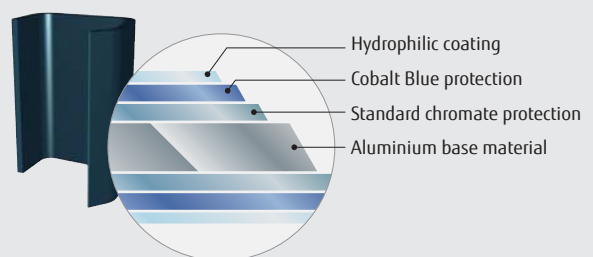
Liquid flow back protection

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.

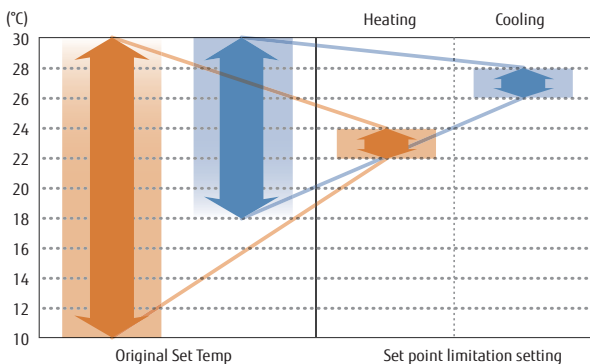


Operation Performance is Efficiently Controlled.



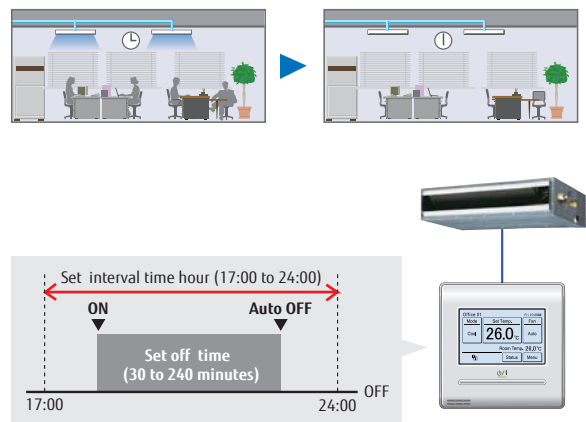
Room temperature set point limitation

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



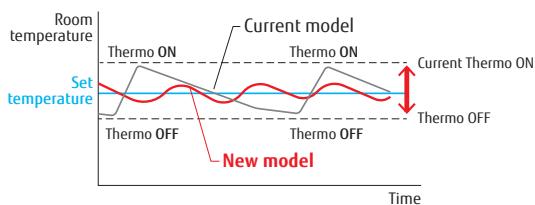
Auto-off timer

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.

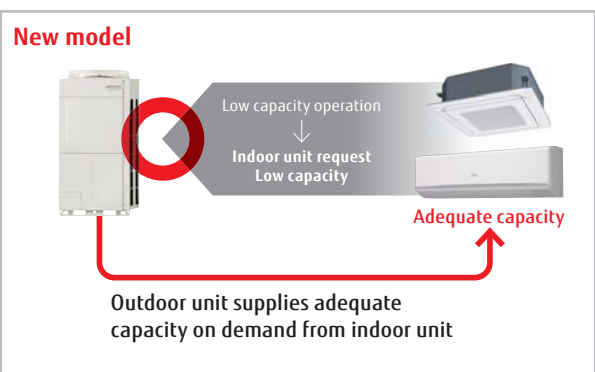
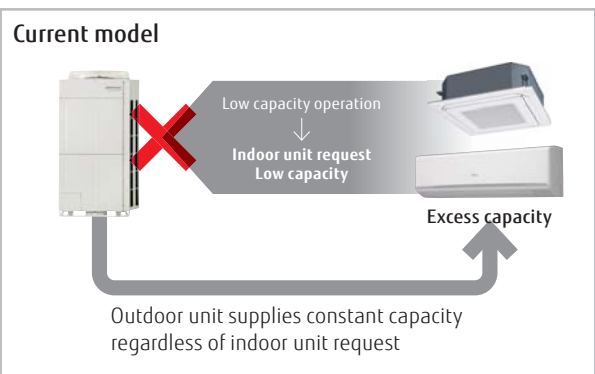


Current refrigerant control

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.

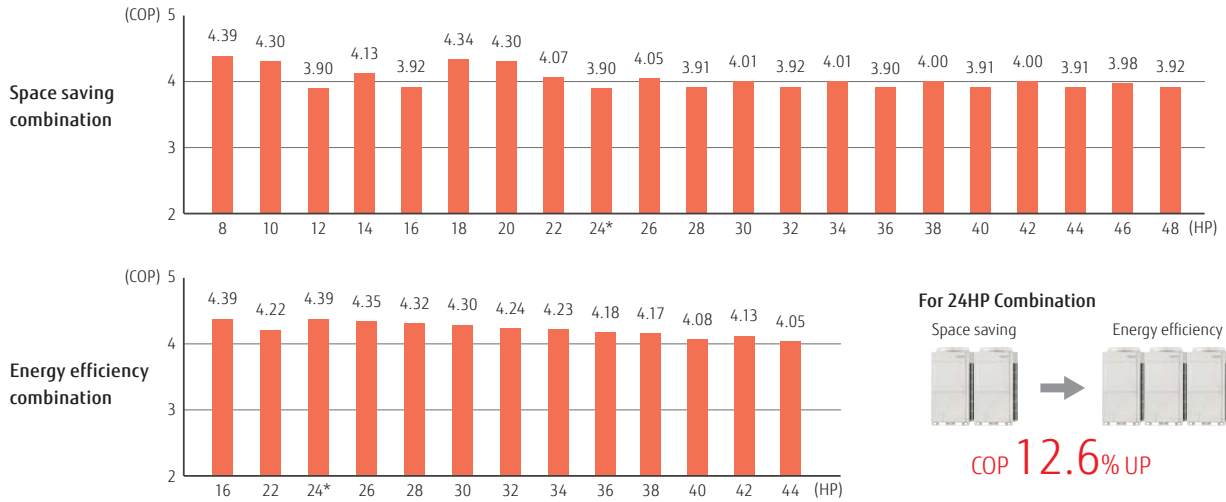
New refrigerant control

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

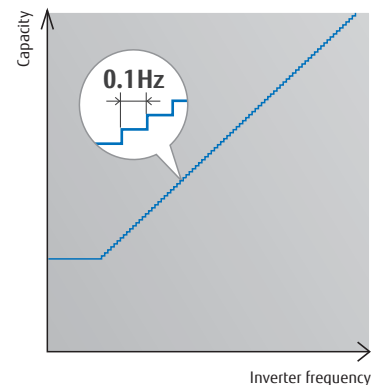
Large capacity DC inverter compressor

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



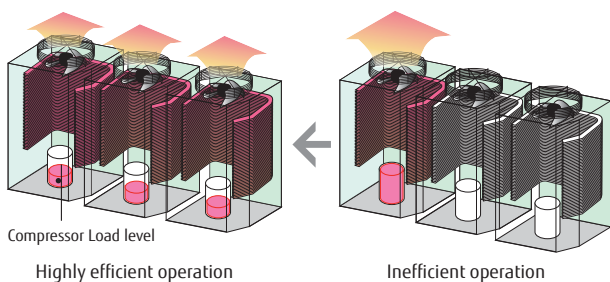
Highly efficient compressor speed control

Comfortable space with small room temperature changes energy efficiency is maximized by 0.1Hz steps compressor speed control.



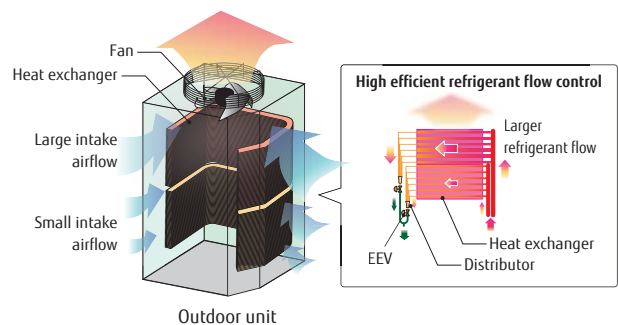
Multiple outdoor operation control

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.

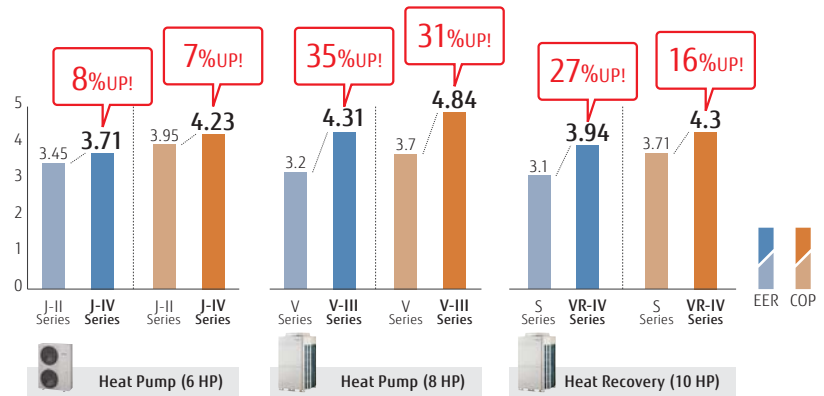


High Efficiency

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

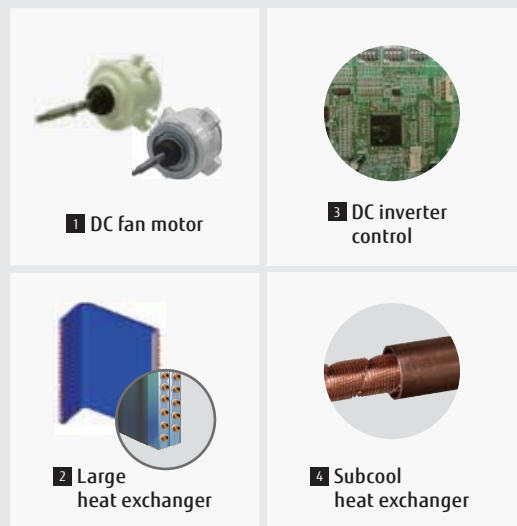


DC twin rotary compressor



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.



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)

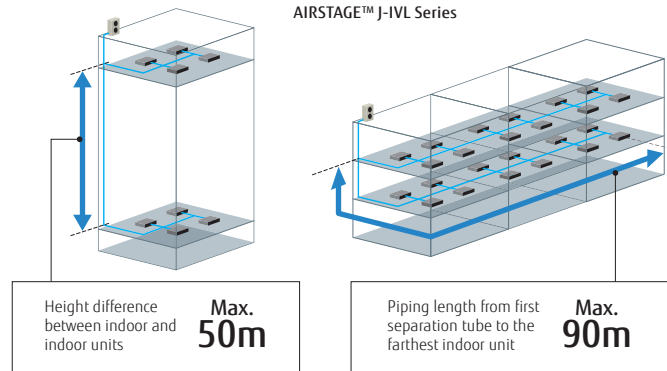


Long piping design



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

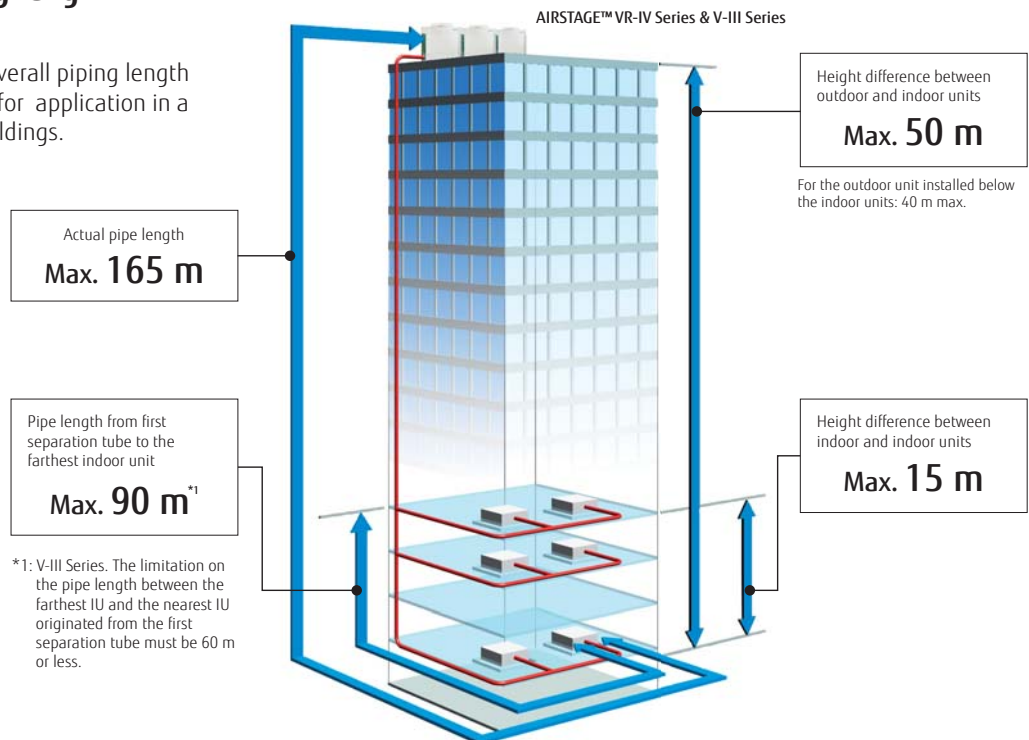
(AIRSTAGE™ J-IVL Series)



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%*2	up to 42*4
AIRSTAGE™ J-IVL Series 8/10/12 HP Heat Pump type	50% to 150%*2	up to 30*5
AIRSTAGE™ J-IV Series Heat Pump type	50% to 150%*2	up to 14*6
AIRSTAGE™ J-IVS Series Heat Pump type	50% to 130%*2	up to 13
AIRSTAGE™ VR-IV Series Heat Recovery Modular type	25%*7 to 150%*2	up to 64
AIRSTAGE™ V-III Series Heat Pump Modular type	50% to 150%*3	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 m².



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



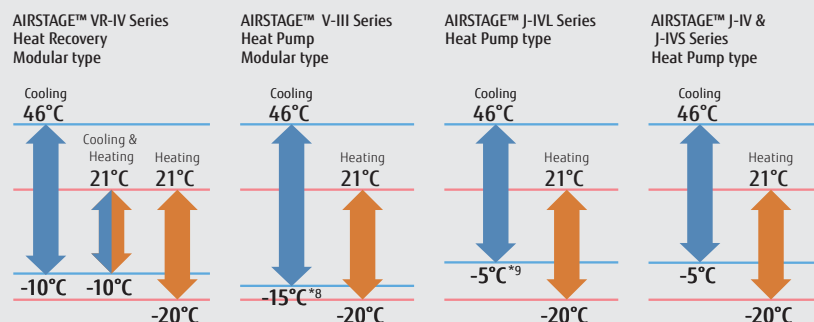
Low ambient operation

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.

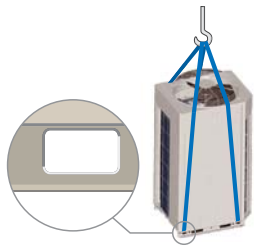


*8: Note: When a multiple outdoor unit connection is used, operating range is from -5°C to 46°C in cooling.

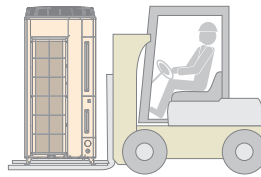
*9: Only when all indoor units are 5.6 kW or more in the system, the operation range is -15°C to 46°C.

Easy Installation

Easily transported



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



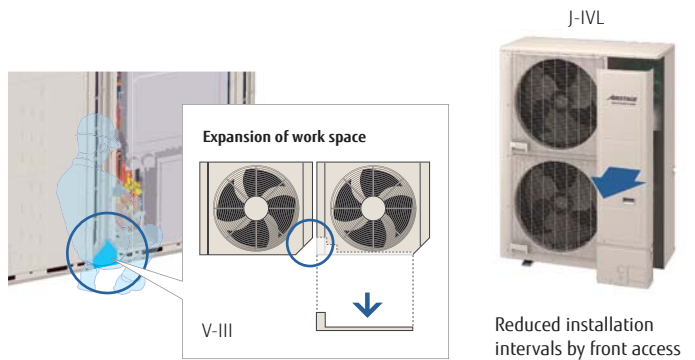
Transporting by forklift
Transport with forklift is possible.



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.



Flexible piping connection

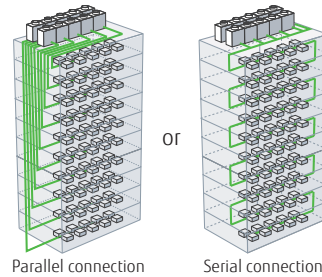
Piping and wiring are available to the front, left and right, and bottom.





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.

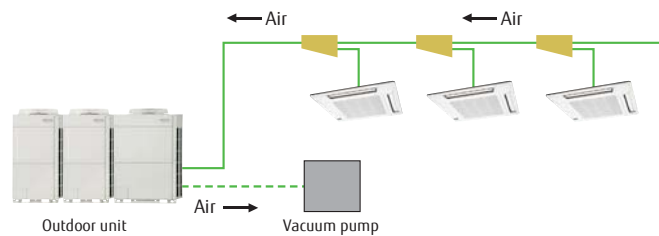


Up to maximum length
3,600 m

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.

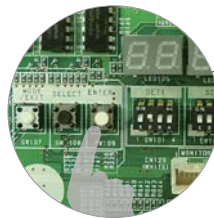


Automatic address setting

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

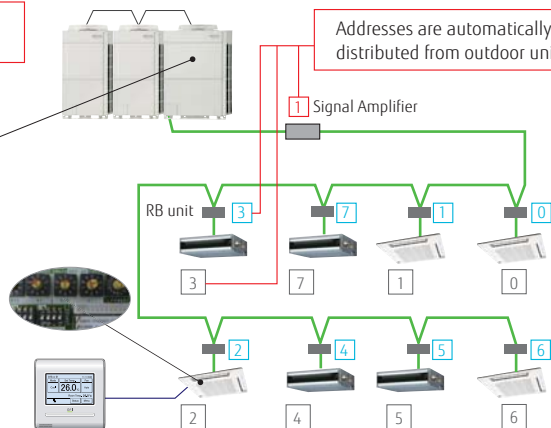
Automatic address setting is performed at outdoor unit

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

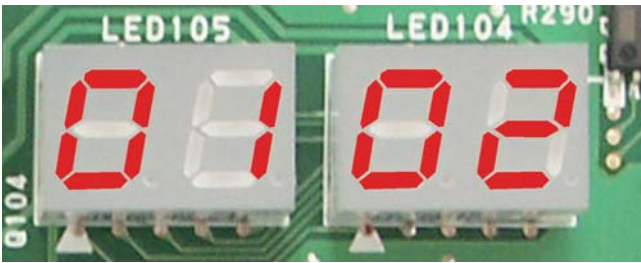
Service tools can be used to check the refrigerant temperature, pressure, and the operating status of the electronic expansion valve, making it easy to determine whether the units are connected properly.



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.

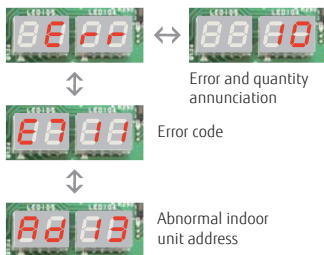


Easy to read 7-segment LED :

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

Error status can be checked easily by outdoor unit display

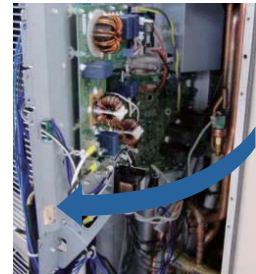
- Operation mode status
- Discharge temperature/Pressure status
- Compressor operation indication
- Address/type/number of outdoor unit



- 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

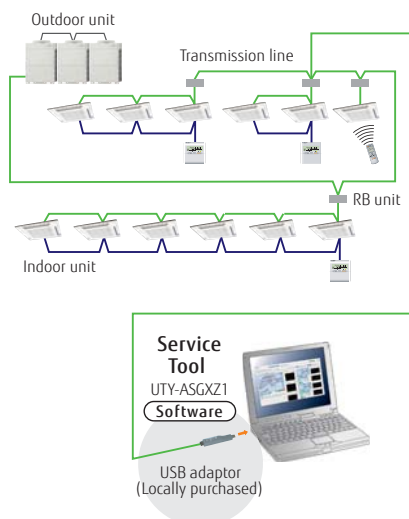
An error code is displayed on a liquid crystal screen.

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>2009/7/1</td> <td>11:00AM</td> <td>00000</td> <td>141</td> </tr> <tr> <td>2</td> <td>2009/7/20</td> <td>12:50M</td> <td>00000</td> <td>142</td> </tr> <tr> <td>3</td> <td>2009/7/20</td> <td>10:50AM</td> <td>00000</td> <td>143</td> </tr> <tr> <td>4</td> <td>2009/7/20</td> <td>11:00AM</td> <td>00000</td> <td>144</td> </tr> <tr> <td>5</td> <td>2009/7/20</td> <td>11:00AM</td> <td>00000</td> <td>145</td> </tr> <tr> <td>6</td> <td>2009/7/20</td> <td>11:00AM</td> <td>00000</td> <td>146</td> </tr> <tr> <td>7</td> <td>2009/7/20</td> <td>11:00AM</td> <td>00000</td> <td>147</td> </tr> <tr> <td>8</td> <td>2009/7/20</td> <td>11:00AM</td> <td>00000</td> <td>148</td> </tr> </tbody> </table>	No.	Date	Time	Address	Code	1	2009/7/1	11:00AM	00000	141	2	2009/7/20	12:50M	00000	142	3	2009/7/20	10:50AM	00000	143	4	2009/7/20	11:00AM	00000	144	5	2009/7/20	11:00AM	00000	145	6	2009/7/20	11:00AM	00000	146	7	2009/7/20	11:00AM	00000	147	8	2009/7/20	11:00AM	00000	148
No.	Date	Time	Address	Code																																										
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7	2009/7/20	11:00AM	00000	147																																										
8	2009/7/20	11:00AM	00000	148																																										

Error diagnosis by Service Tool

Connection to Service Tool

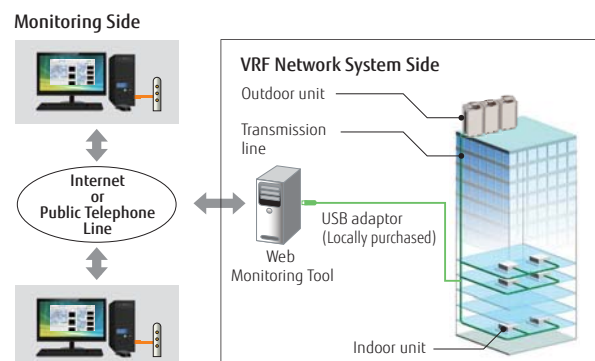
- Detailed operation status and recent error history can be checked and analysed by using the Service Tool.
- Last 5 min. operation memory can also be recorded.










































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.

















































VRF Outdoor Units Lineup

Capacity (kW)		12.1	14.0	15.1-15.5	22.4	28.0	33.5	40.0	45.0	50.4	55.9	61.5	67.0	73.5
HP		4	5	6	8	10	12	14	16	18	20	22	24	26
J-III Series Page 122														
		AJY040 LBLAH, AJY040 LELAH	AJY040 LBLAH, AJY040 LELAH	AJY054 LBLAH, AJY054 LELAH										
J-IIIIL Series Page 124~														
					AJY072 LELAH	AJY090 LELAH	AJY108 LELAH	AJY126 LELAH	AJY144 LELAH	AJY162 LELAH				
VR-II Series Heat Recovery	Space Saving Page 130~													
	Set Model				AJYA72 GALH	AJYA90 GALH	AJY108 GALH	AJY126 GALH	AJY144 GALH	AJY162 GALH	AJY180 GALH	AJY198 GALH	AJY216 GALH	AJY234 GALH
	Energy Efficiency Page 130~													
	Set Model							AJY144 GALHH		AJY198 GALHH	AJY216 GALHH	AJY234 GALHH		
V-III Series Heat Pump	Space Saving Page 134~													
	Set Model				AJY072 LALBH	AJY090 LALBH	AJY108 LALBH	AJY126 LALBH	AJY144 LALBH	AJY162 LALBH	AJY180 LALBH	AJY198 LALBH	AJY216 LALBH	AJY234 LALBH
	Energy Efficiency Page 134~													
	Set Model							AJY144 LALBHH	AJY162 LALBHH	AJY180 LALBHH		AJY216 LALBHH	AJY234 LALBHH	

78.5 28	85.0 30	90.0 32	95.0 34	100.5 36	107.0 38	112.0 40	118.5 42	123.5 44	130.0 46	135.0 48	140.0 50	145.0 52	150.0 54
AJY252 GALH	AJY270 GALH	AJY288 GALH	AJY306 GALH	AJY324 GALH	AJY342 GALH	AJY360 GALH	AJY378 GALH	AJY396 GALH	AJY414 GALH	AJY432 GALH			
AJY252 GALHH	AJY270 GALHH	AJY288 GALHH	AJY306 GALHH	AJY324 GALHH	AJY342 GALHH	AJY360 GALHH	AJY378 GALHH	AJY396 GALHH					
AJY252 LALBH	AJY270 LALBH	AJY288 LALBH	AJY306 LALBH	AJY324 LALBH	AJY342 LALBH	AJY360 LALBH	AJY378 LALBH	AJY396 LALBH	AJY414 LALBH	AJY432 LALBH	AJY450 LALBH	AJY468 LALBH	AJY486 LALBH
AJY252 LALBHH	AJY270 LALBHH	AJY288 LALBHH	AJY306 LALBHH	AJY324 LALBHH	AJY342 LALBHH	AJY360 LALBHH	AJY378 LALBHH	AJY396 LALBHH	AJY414 LALBHH				

New VRF IV Range Outdoor Units Lineup

Capacity (kW)	12.1	14.0	15.1-15.5	22.4	28.0	33.5	40.0	45.0	50.0-50.4	55.9	61.5	67.0	73.5
HP	4	5	6	8	10	12	14	16	18	20	22	24	26
<p>NEW</p> <p>J-IVL Series</p>													
<p>NEW</p> <p>J-IV Series</p>													
<p>NEW</p> <p>J-IVS Series</p>													
<p>NEW</p> <p>VR-IV Series Heat Recovery</p>	Space Saving												
	Set Model			AJY072 GALBH	AJY090 GALBH	AJY108 GALBH	AJY126 GALBH	AJY144 GALBH	AJY162 GALBH	AJY180 GALBH	AJY198 GALBH	AJY216 GALBH	AJY234 GALBH
Energy Efficiency													
Set Model							AJY144 GALBHH			AJY198 GALBHH	AJY216 GALBHH	AJY234 GALBHH	

78.5 28	85.0 30	90.0 32	95.0 34	100.5 36	107.0 38	112.0 40	118.5 42	123.5 44	130.0 46	135.0 48	140.0 50	145.0 52	150.0 54
 AJY252 GALBH	 AJY270 GALBH	 AJY288 GALBH	 AJY306 GALBH	 AJY324 GALBH	 AJY342 GALBH	 AJY360 GALBH	 AJY378 GALBH	 AJY396 GALBH	 AJY414 GALBH	 AJY432 GALBH			
 AJY252 GALBHH	 AJY270 GALBHH	 AJY288 GALBHH	 AJY306 GALBHH	 AJY324 GALBHH	 AJY342 GALBHH	 AJY360 GALBHH	 AJY378 GALBHH	 AJY396 GALBHH					

AIRSTAGE™ J Series Overview

Fujitsu General provides air conditioning systems for a wide range of applications from small office buildings and hotels to large stores, houses.





NEW Max. 18 HP Heat Pump
AIRSTAGE™ J-IVL

J-IVL is an outdoor unit with a slim design offering a high degree of freedom of installation that is recommended for mid-size office buildings and hotels. Furthermore, you can connect up to 42* indoor units with the newly added 14/16/18 HP models. 14/16/18 HP models are also ideal for hospitals and educational facilities with many rooms.

*: 18 HP model

Slim Outdoor Unit

Although this is a 14/16/18 HP model that can handle slightly larger requirements, it has a slim depth of 480 mm. This model can be installed even in limited spaces.

Small room application

Up to 30-42 indoor units can be connected by the optimum heat exchanger structure. Available to various small rooms.

Top Class Low Operating Sound

Low operating sound levels are achieved making the unit suitable for densely populated areas.



8-12 HP models

14/16/18 HP models

NEW Max. 6 HP Heat Pump
AIRSTAGE™ J-IV

J-IV allows the system to connect up to 13 indoor units. This model is suitable for small buildings and residential applications.

High Energy Efficiency

Heat pump inverter control is used to achieve an efficient cooling and heating operation with any indoor unit combination.

Flexible systems for small- and medium-size buildings air conditioning

Space saving design and long piping design allow flexible installations on the roofs or balconies of small and medium-size buildings. Multiple indoor units of various capacities and types can be connected.



NEW Max. 6 HP Heat Pump, Compact Design
AIRSTAGE™ J-IVS

J-IVS has a compact design with a height of 998 mm that does not obstruct visibility even when installed near waist-high windows. This model is also ideal for large houses, retail stores and other properties.

Space saving and low sound level design

Economical individual air conditioning is realised by ALL-DC technology, large capacity DC twin rotary compressor, and the compact 3-row heat exchanger.

Flexible systems for homes, shops, small-size buildings air conditioning

Due to compact size design and flexible piping design, the J-IVS Series can be installed easily at the place where the installation space is limited such as homes, shops, and small offices. Multiple indoor units of various capacities and types can be connected.

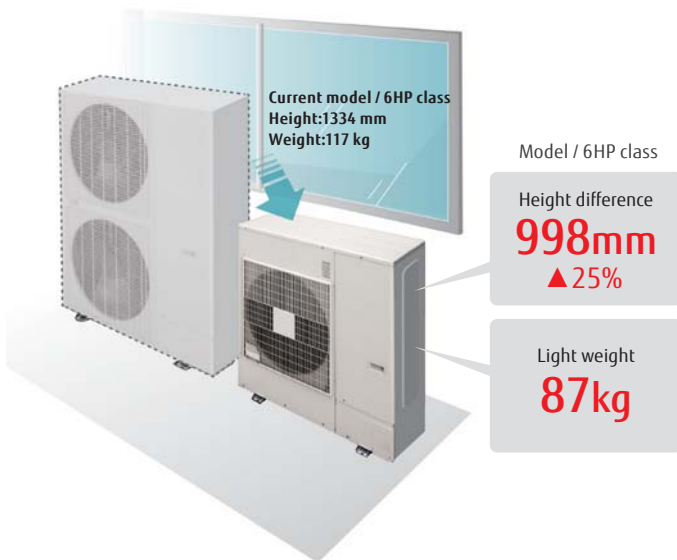


Heat Pump

for Small Capacity Type

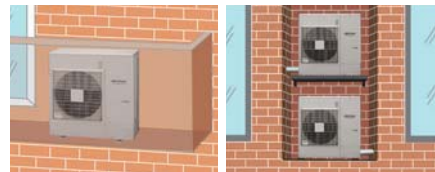
AIRSTAGE™ J-IVS

It Can be Easily Positioned and Installed



Small and light weight outdoor unit

This model is much more compact than conventional 6HP comparable outdoor units. Even when installed on the balcony it fits within the height of the fence. The compact size with a height of less than 1 m allows it to be installed under windows and in tight spaces

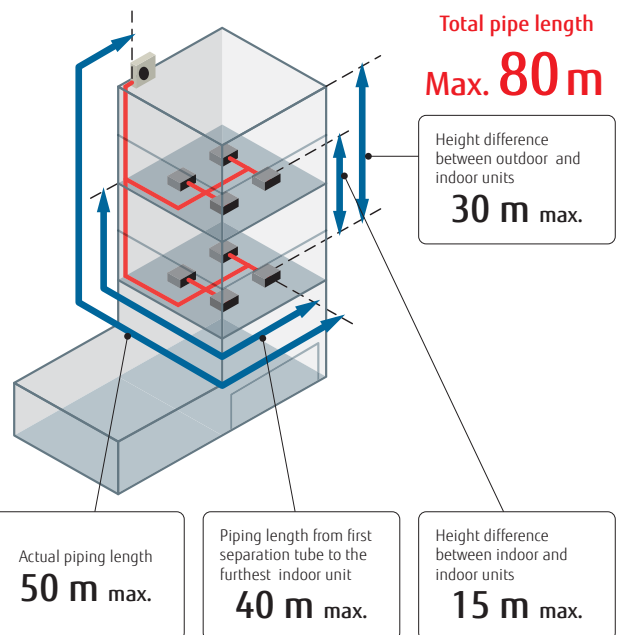


Low sound level design

Significantly low sound level is realised by using DC twin rotary compressor, inverter technology, and advanced airflow structure design.

Long piping length

Our advanced refrigerant control technology allows us to achieve a total refrigerant piping length of 80 m. This opens up possibilities in system design.



Up to 13 units* can be connected

Improvements in the design of the outdoor heat exchanger combined with our new 1.1kW indoor units mean that up to 13 indoor units can be connected.

*: 6 HP model

Model	Current model (J-IIS)			New model (J-IVS)		
	4	5	6	4	5	6
Rating Capacity range (HP)	4	5	6	4	5	6
Max. Connectable indoor unit	1-7	1-8	1-8	1-11	1-12	1-13



NEW

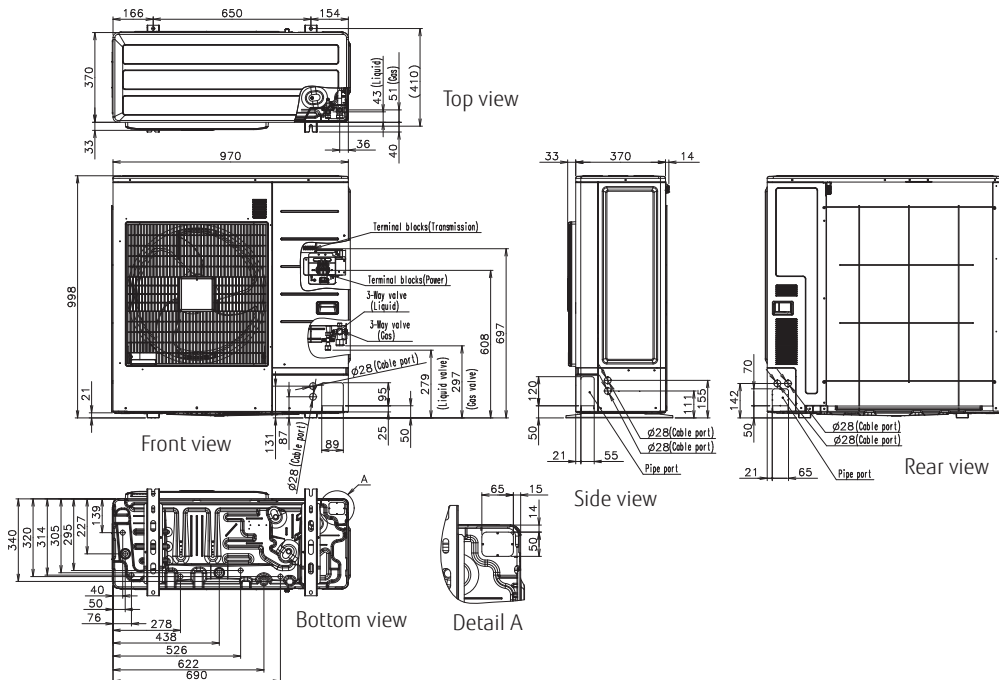
Specifications

Rating Capacity range		HP	4	5	6
Model name			AJY040LCLBH	AJY045LCLBH	AJY054LCLBH
Maximum Connectable Indoor Unit			1-11	1-12	1-13
Power source			Single phase, ~230V, 50Hz		
Capacity	Cooling	kW	12.1	14.0	15.1
	Nominal Heating		12.1	14.0	15.1
	Max Heating		13.6	16.0	16.5
Input power	Cooling	kW	3.44	4.43	5.03
	Nominal Heating		2.55	3.11	3.52
	Max Heating		3.27	3.93	4.11
EER	Cooling		3.52	3.16	3.00
COP	Nominal Heating		4.74	4.51	4.30
	Max Heating		4.16	4.07	4.01
Airflow rate		m ³ /h	4,040	4,200	4,200
Sound pressure level / Power level	Cooling	dB(A)	51 / 67	53 / 69	54 / 70
	Heating		54 / 68	56 / 69	56 / 70
Heat exchanger fin			Blue fin	Blue fin	Blue fin
Net Dimensions	Height	mm	998	998	998
	Width		970	970	970
	Depth		370	370	370
Weight		kg	86	86	87
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	kg(CO2eq-T)	4.0 (8.4)	4.0 (8.4)	4.0 (8.4)
Connection pipe diameter	Liquid	mm	9.52	9.52	9.52
	Gas		15.88	15.88	15.88
Total pipe length		m	80	80	80
Max. height difference		m	30	30	30
Operation range	Cooling	°C	-5 to 46	-5 to 46	-5 to 46
	Heating		-20 to 21	-20 to 21	-20 to 21

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

Dimensions

(Unit : mm)



Heat Pump for Small Capacity Type

AIRSTAGE™ J-III



Long Piping Length

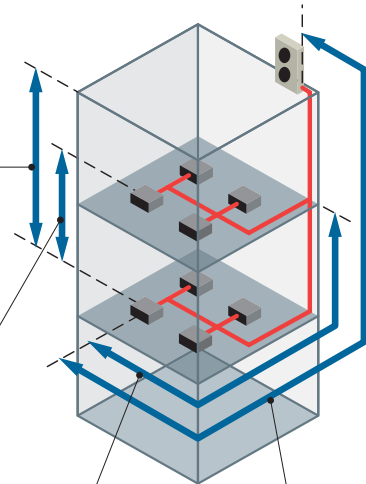
Our advanced refrigerant control technology allows us to achieve a total refrigerant piping length of 180 m. This opens up new possibilities in system design.



Total pipe length
Max. 180 m

Height difference
between outdoor and
indoor units
50 m max.

For the outdoor unit
installed below the
indoor units: 40 m max.



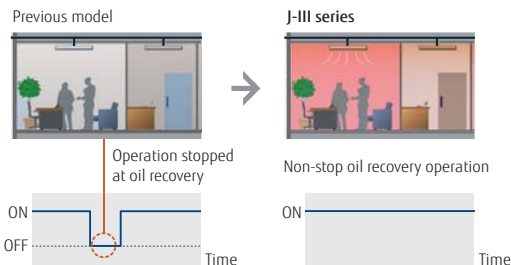
Height difference
between indoor and
indoor units
15 m max.

Piping length from first
separation tube to the
furthest indoor unit
40 m max.

Actual piping length
120 m max.

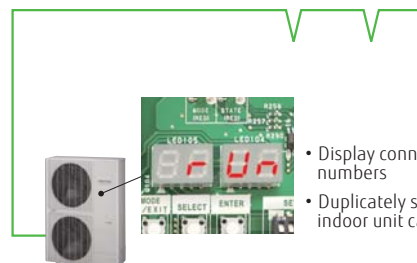
Non-stop oil recovery operation

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



Easier Installation

Connection check function : Possible to confirm whether wiring connection and address setting are correct by a quick check run function.



- Display connected indoor unit numbers
- Duplicately set address number of indoor unit can be displayed

4,5,6HP : AJY040LBLEAH / AJY045LBLEAH / AJY054LBLEAH
 AJY040LELAH [3phase] / AJY045LELAH [3phase] / AJY054LELAH [3phase]



Specifications

Rating Capacity range		HP	4	5	6
Model name			AJY040LBLEAH	AJY045LBLEAH	AJY054LBLEAH
Maximum Connectable Indoor Unit			1-9	1-10	1-13
Power source			Single-phase, ~230V, 50Hz		
Capacity	Cooling	kW	12.1	14.0	15.5
	Heating		13.6	16.0	18.0
Input power	Cooling	kW	2.90	3.57	4.18
	Heating		2.80	3.55	4.26
EER/SEER (LOT21)	Cooling	W/W	4.17 / 5.99	3.92 / 5.85	3.71 / 5.78
COP/SCOP (LOT21)	Heating	W/W	4.86 / 3.92	4.51 / 3.85	4.23 / 3.78
Airflow rate		m ³ /h	6,200	6,400	6,900
Sound pressure level / Power level	Cooling	dB(A)	50 / 66	51 / 67	53 / 69
	Heating		52 / 68	53 / 69	55 / 71
Minimum Recommended MCB		AMP	32	32	32
Net Dimensions	Height	mm	1,334	1,334	1,334
	Width		970	970	970
	Depth		370	370	370
Weight		kg	117	117	119
Refrigerant	Type		R410A	R410A	R410A
	Charge	kg	4.8	5.3	5.3
Connection pipe diameter	Liquid	Inch	3/8	3/8	3/8
	Gas		5/8	5/8	3/4
Total pipe length		m	180	180	180
Max. height difference			50/40 (Outdoor unit: Upper/Lower)		
Operation range	Cooling	°C	-5 to 46	-5 to 46	-5 to 46
	Heating		-20 to 21	-20 to 21	-20 to 21

Rating Capacity range		HP	4	5	6
Model name			AJY040LELAH	AJY045LELAH	AJY054LELAH
Maximum Connectable Indoor Unit			1-9	1-10	1-13
Power source			3-phase, ~400V, 50Hz		
Capacity	Cooling	kW	12.1	14.0	15.5
	Heating		13.6	16.0	18.0
Input power	Cooling	kW	2.79	3.46	3.99
	Heating		2.71	3.40	4.08
EER/SEER (LOT21)	Cooling	W/W	4.33 / 6.15	4.05 / 5.98	3.88 / 5.97
COP/SCOP (LOT21)	Heating	W/W	5.01 / 4.10	4.70 / 4.04	4.41 / 4.00
Airflow rate		m ³ /h	6,200	6,400	6,900
Sound pressure level / Power level	Cooling	dB(A)	50 / 66	51 / 67	53 / 69
	Heating		52 / 68	53 / 69	55 / 71
Minimum Recommended MCB		AMP	16	16	16
Net Dimensions	Height	mm	1,334	1,334	1,334
	Width		970	970	970
	Depth		370	370	370
Weight		kg	119	119	119
Refrigerant	Type		R410A	R410A	R410A
	Charge	kg	4.8	5.3	5.3
Connection pipe diameter	Liquid	Inch	3/8	3/8	3/8
	Gas		5/8	5/8	3/4
Total pipe length		m	180	180	180
Max. height difference			50/40 (Outdoor unit: Upper/Lower)		
Operation range	Cooling	°C	-5 to 46	-5 to 46	-5 to 46
	Heating		-20 to 21	-20 to 21	-20 to 21

Note: Specifications are based on the following conditions.

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

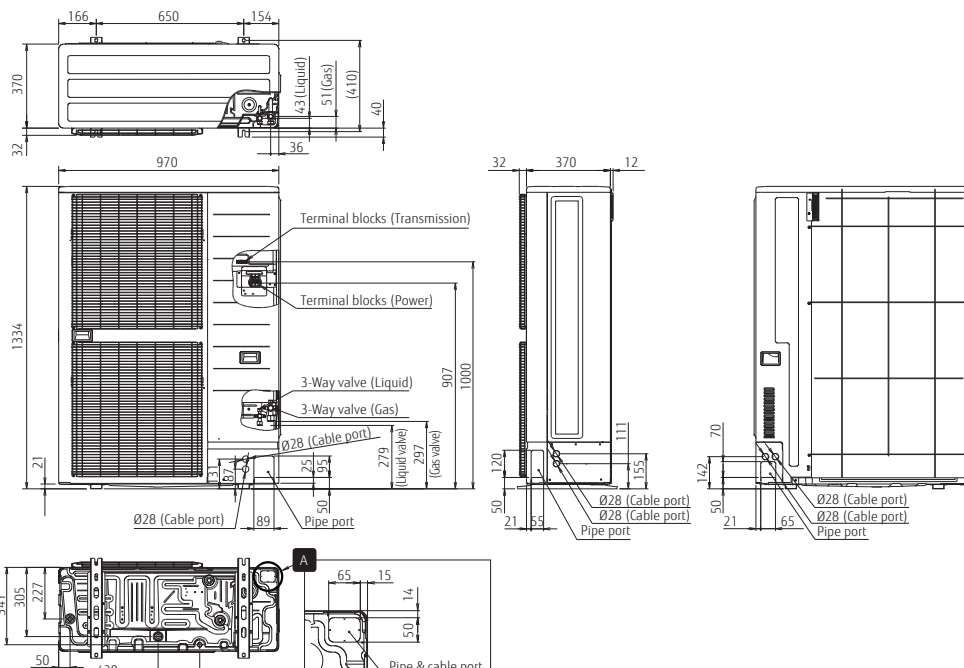
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.

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

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

Dimensions

(Unit : mm)



Heat Pump

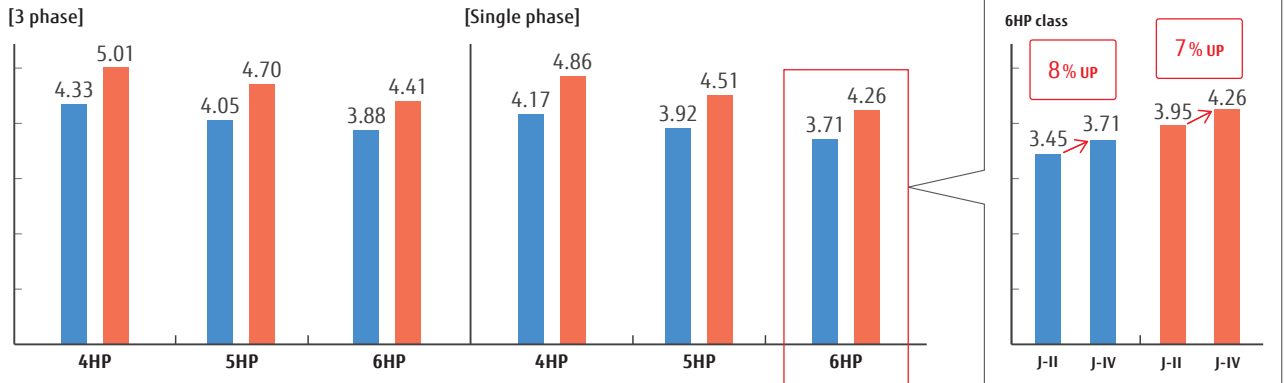
for Small Capacity Type



Efficiency in actual operation

Top class high COP (Max. Heating) is achieved for all models because of a large heat exchanger, highly efficient DC twin compressor.

High EER / COP (Max. Heating)



Long piping length

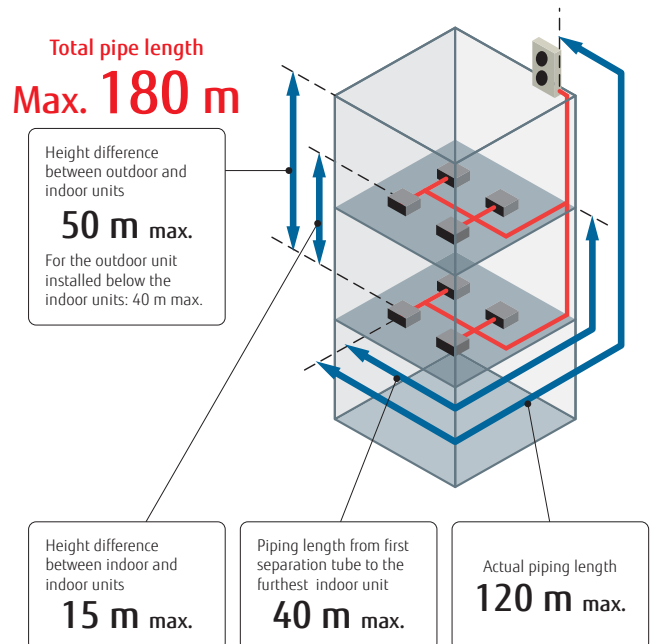
Our advanced refrigerant control technology allows us to achieve a total refrigerant piping length of 180 m. This opens up new possibilities in system design.

Up to 14 units* can be connected

Improvements in the design of the outdoor heat exchanger combined with our new 1.1kW indoor units mean that up to 14 indoor units can be connected.

*: 6 HP model

Model	Current model (J-III)			New model (J-IV)		
	4	5	6	4	5	6
Rating Capacity range (HP)	4	5	6	4	5	6
Max. Connectable indoor unit	1-9	1-10	1-13	1-11	1-12	1-14



4,5,6HP : AJY040LBLEBH / AJY045LBLEBH / AJY054LBLEBH
 AJY040LELBH [3 phase] / AJY045LELBH [3 phase] / AJY054LELBH [3 phase]



NEW

Specifications

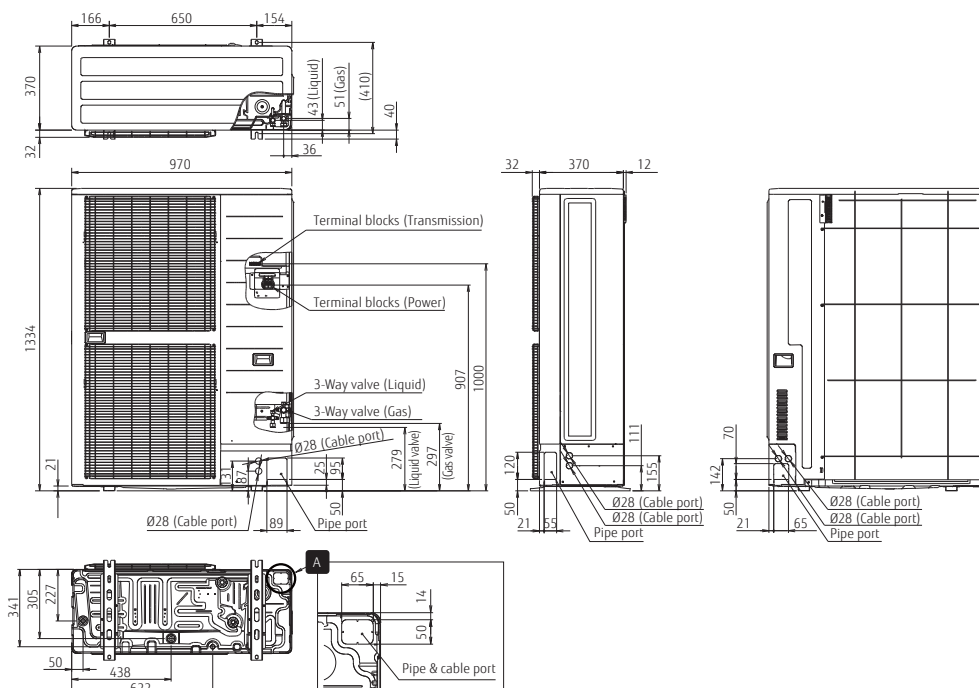
Rating Capacity range		HP	4	5	6
Model name			AJY040LBLEBH	AJY045LBLEBH	AJY054LBLEBH
Maximum Connectable Indoor Unit			1-11	1-12	1-14
Power source			Single phase, ~230V, 50Hz		
Capacity	Cooling	kW	12.1	14.0	15.5
	Nominal Heating		12.1	14.0	15.5
	Max Heating		13.6	16.0	18.0
Input power	Cooling	kW	2.90	3.57	4.18
	Nominal Heating		2.39	2.97	3.50
	Max Heating		2.80	3.55	4.26
EER	Cooling		4.17	3.92	3.71
COP	Nominal Heating	W/W	5.06	4.71	4.43
	Max Heating		4.86	4.51	4.23
Airflow rate		m ³ /h	6,200	6,400	6,900
Sound pressure level / Power level	Cooling	dB(A)	50 / 65	51 / 65	53 / 66
	Heating		52 / 67	55 / 69	56 / 69
Heat exchanger fin			Blue fin	Blue fin	Blue fin
Net Dimensions	Height	mm	1,334	1,334	1,334
	Width		970	970	970
	Depth		370	370	370
Weight		kg	117	117	119
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	kg(CO2eq-T)	4.8 (10.0)	5.3 (11.1)	5.3 (11.1)
Connection pipe diameter	Liquid	mm	9.52	9.52	9.52
	Gas		15.88	15.88	19.05
Total pipe length		m	180	180	180
Max. height difference			50/40 (Outdoor unit: Upper/Lower)		
Operation range	Cooling	°C	-5 to 46	-5 to 46	-5 to 46
	Heating		-20 to 21	-20 to 21	-20 to 21

Rating Capacity range		HP	4	5	6
Model name			AJY040LELBH	AJY045LELBH	AJY054LELBH
Maximum Connectable Indoor Unit			1-11	1-12	1-14
Power source			3 phase, ~400V, 50Hz		
Capacity	Cooling	kW	12.1	14.0	15.5
	Nominal Heating		12.1	14.0	15.5
	Max Heating		13.6	16.0	18.0
Input power	Cooling	kW	2.79	3.46	3.99
	Nominal Heating		2.32	2.86	3.36
	Max Heating		2.71	3.40	4.08
EER	Cooling		4.33	4.05	3.88
COP	Nominal Heating	W/W	5.21	4.90	4.61
	Max Heating		5.01	4.70	4.41
Airflow rate		m ³ /h	6,200	6,400	6,900
Sound pressure level / Power level	Cooling	dB(A)	50 / 65	51 / 65	53 / 66
	Heating		52 / 67	55 / 69	56 / 69
Heat exchanger fin			Blue fin	Blue fin	Blue fin
Net Dimensions	Height	mm	1,334	1,334	1,334
	Width		970	970	970
	Depth		370	370	370
Weight		kg	118	119	119
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	kg(CO2eq-T)	4.8 (10.0)	5.3 (11.1)	5.3 (11.1)
Connection pipe diameter	Liquid	mm	9.52	9.52	9.52
	Gas		15.88	15.88	19.05
Total pipe length		m	180	180	180
Max. height difference			50/40 (Outdoor unit: Upper/Lower)		
Operation range	Cooling	°C	-5 to 46	-5 to 46	-5 to 46
	Heating		-20 to 21	-20 to 21	-20 to 21

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

Dimensions

(Unit : mm)



Heat Pump for Small Capacity Type

AIRSTAGE J-III L



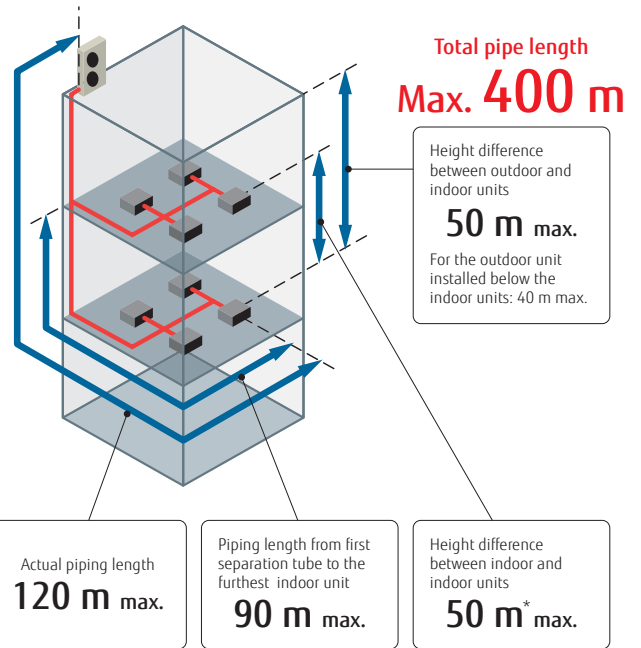
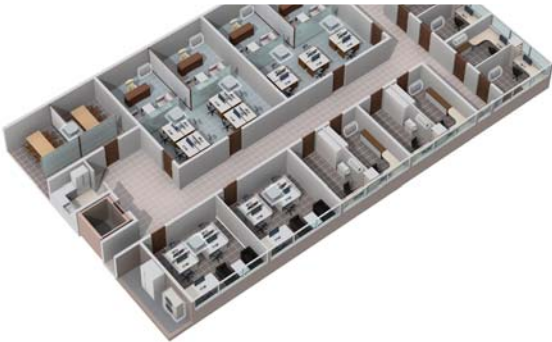
Long Piping Length

Our advanced refrigerant control technology allows us to achieve a total refrigerant piping length of 400 m. This opens up new possibilities in system design.

Up to 40 units* can be connected

Improvements in the design of the outdoor heat exchanger combined with our new 1.1kW indoor units mean that up to 40 indoor units can be connected.

*: 16 HP model.



*: Only when new indoor units and J-III L series are combined

High Static Pressure

External static pressure is available up to 60Pa for 14/16HP. (20Pa for 8/10HP, 30Pa for 12HP)

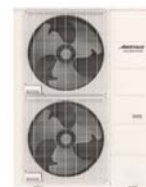


Top Class Low Operating Sound

Low operating noise level make the units suitable for locations where sound levels are important.

Sound Power Level

66 dB(A)



J-III L (8HP)

77 dB(A)

-11 dB(A)



Current model (8HP)

8,10,12HP: AJY072LELAH / AJY090LELAH / AJY108LELAH
 14,16,18HP: AJY126LELAH / AJY144LELAH / AJY162LELAH



8, 10, 12 HP

14, 16, 18 HP

Specifications

Rating Capacity range		HP	8	10	12	14	16	18
Model name			AJY072LELAH	AJY090LELAH	AJY108LELAH	AJY126LELAH	AJY144LELAH	AJY162LELAH
Maximum Connectable Indoor Unit			1-20	1-25	1-30	1-36	1-40	1-42
Power source			3 phase, ~400V, 50Hz					
Capacity	Cooling	kW	22.4	28.0	33.5	40.0	45.0	50.0
	Nominal Heating		22.4	28.0	33.5	40.0	45.0	50.0
	Max Heating		25.0	31.5	37.5	45.0	50.0	55.0
Input power	Cooling	kW	6.30	8.59	10.42	12.12	14.96	18.52
	Nominal Heating		4.65	6.61	8.18	9.71	11.81	13.66
	Max Heating		5.45	8.29	10.25	11.82	14.29	16.66
EER/SEER (LOT21)	Cooling	W/W	3.56/6.72	3.26/6.48	3.22/6.72	3.30/6.33	3.01/6.16	2.70
COP/SCOP (LOT21)	Nominal Heating		4.82	4.24	4.10	4.12	3.81	3.66
	Max Heating		4.56/3.86	3.80/3.59	3.66/3.58	3.81/3.52	3.50/3.51	3.30
Airflow rate		m ³ /h	8,400	9,000	11,000	13,000	14,000	14,800
Sound pressure level / Power level	Cooling	dB(A)	52/66	54/69	59/73	62/75	64/77	65/79
	Heating		54/-	57/-	61/-	63/-	65/-	68/-
Minimum Recommended MCB		AMP	20	20	25	40	40	40
Net Dimensions	Height	mm	1,428	1,428	1,428	1,638	1,638	1,638
	Width		1,080	1,080	1,080	1,080	1,080	1,080
	Depth		480	480	480	480	480	480
Weight		kg	170	177	178	210	210	217
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	R410A
	Charge	kg	7.0	7.5	7.5	11.0	11.0	11.8
Connection pipe diameter	Liquid	Inch	3/8	3/8	1/2	1/2	1/2	1/2
	Gas		3/4	7/8	1 1/8	1 1/8	1 1/8	1 1/8
Total pipe length		m	400	400	400	400	400	
Max. height difference			50/40 (Outdoor unit: Upper/Lower)					
Operation range	Cooling	°C	-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

Note: Specifications are based on the following conditions.

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

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

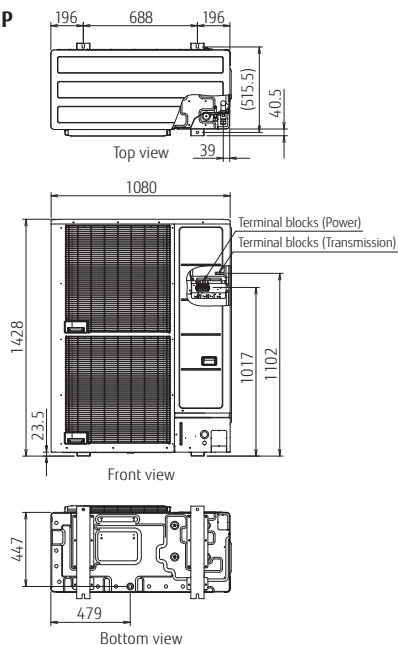
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m.

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

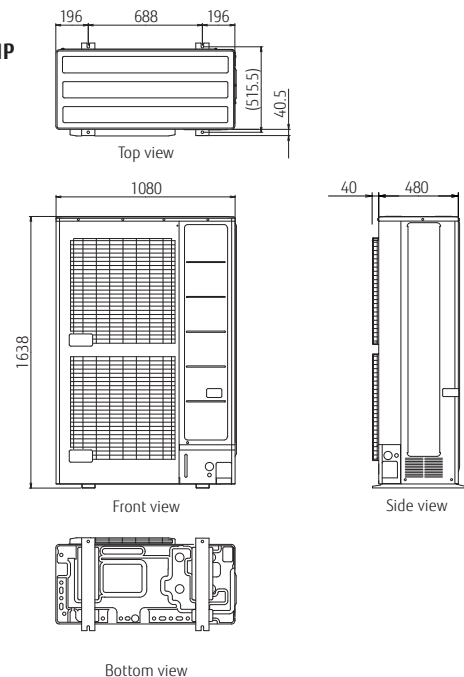
Dimensions

(Unit : mm)

8, 10, 12 HP



14, 16 18 HP



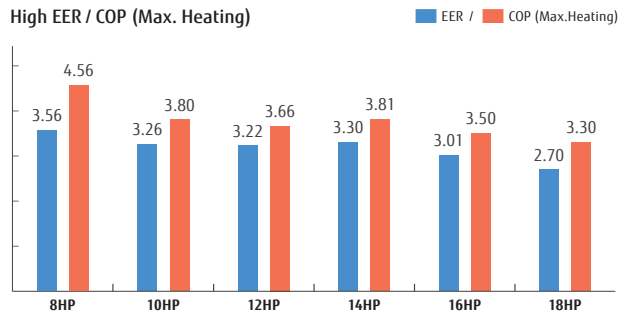
Heat Pump

for Small Capacity Type



Efficiency in actual operation

Top class high EER/COP(Max. Heating) is achieved for all models by a large heat exchanger, highly efficient Scroll compressor.



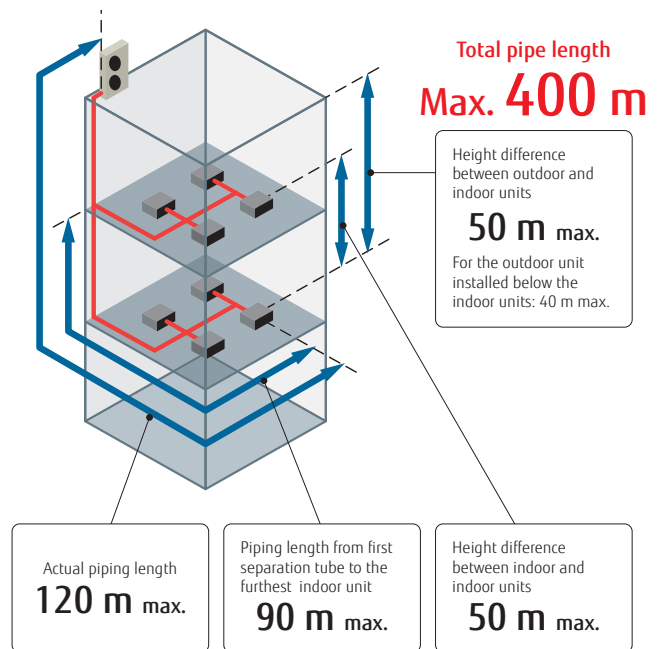
Long piping length

Our advanced refrigerant control technology allows us to achieve a total refrigerant piping length of 400 m. This opens up new possibilities in system design.

Up to 42 units* can be connected

Improvements in the design of the outdoor heat exchanger combined with our new 1.1kW indoor units mean that up to 42 indoor units can be connected.

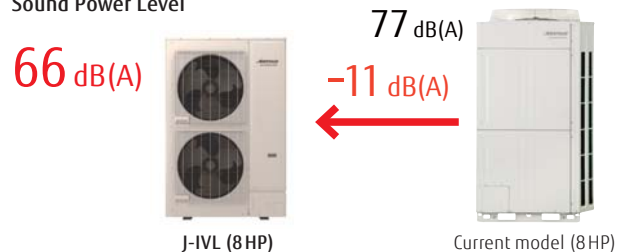
*: 18 HP model



Top Class Low Operating Sound

Low operating noise level make the units suitable for locations where sound levels are important.

Sound Power Level



8,10,12 HP: AJY072LELBH / AJY090LELBH / AJY108LELBH
 14,16,18 HP: AJY126LELBH / AJY144LELBH / AJY162LELBH



Specifications

Rating Capacity range		HP	8	10	12	14	16	18
Model name			AJY072LELBH	AJY090LELBH	AJY108LELBH	AJY126LELBH	AJY144LELBH	AJY162LELBH
Maximum Connectable Indoor Unit			1-20	1-25	1-30	1-36	1-40	1-42
Power source			3 phase, ~400V, 50Hz					
Capacity	Cooling	kW	22.4	28.0	33.5	40.0	45.0	50.0
	Nominal Heating		22.4	28.0	33.5	40.0	45.0	50.0
	Max Heating		25.0	31.5	37.5	45.0	50.0	55.0
Input power	Cooling	kW	6.30	8.59	10.42	12.12	14.96	18.52
	Nominal Heating		4.65	6.61	8.18	9.71	11.81	13.66
	Max Heating		5.45	8.29	10.25	11.80	14.29	16.66
EER	Cooling		3.56	3.26	3.22	3.30	3.01	2.70
COP	Nominal Heating	W/W	4.82	4.24	4.10	4.12	3.81	3.66
	Max Heating		4.56	3.80	3.66	3.81	3.50	3.30
Airflow rate		m ³ /h	8,400	9,000	11,000/12,100	13,000	14,000	14,800/15,300
Sound pressure level / Power level	Cooling	dB(A)	52/66	54/69	59/73	62/75	64/77	65/79
	Heating		54/—	57/—	62/—	63/—	65/—	68/—
Net Dimensions	Height	mm	1,428	1,428	1,428	1,638	1,638	1,638
	Width		1,080	1,080	1,080	1,080	1,080	1,080
	Depth		480	480	480	480	480	480
Weight		kg	170	177	178	213	213	217
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	kg(CO ₂ eq-T)	7.0 (14.6)	7.5 (15.7)	7.5 (15.7)	11.0 (22.9)	11.0 (22.9)	11.8 (24.6)
Connection pipe diameter	Liquid	mm	9.52	9.52	12.70	12.70	12.70	12.70
	Gas		19.05	22.20	28.58	28.58	28.58	28.58
Total pipe length		m	400	400	400	400	400	400
Max. height difference			50/40 (Outdoor unit: Upper/Lower)					
Operation range	Cooling	°C	-15 to 46	-15 to 46	-15 to 46	-5 to 46*	-5 to 46*	-5 to 46*
	Heating		-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21

Note: Specifications are based on the following conditions.

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

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

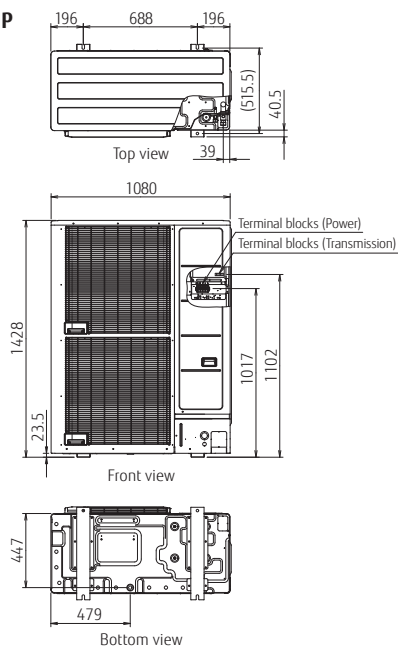
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m.

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

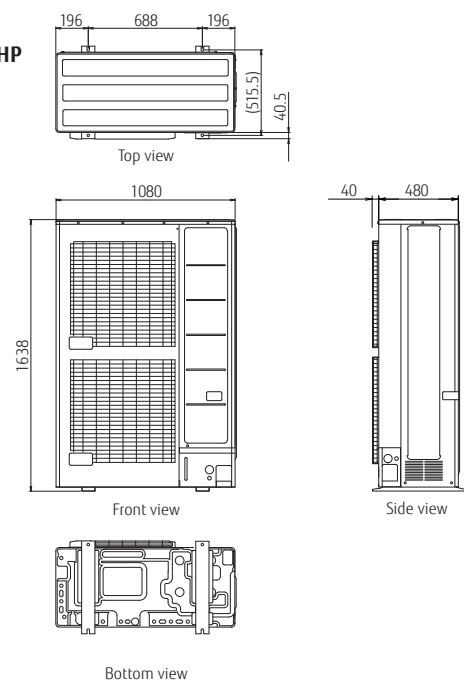
Dimensions

(Unit : mm)

8, 10, 12 HP



14, 16, 18 HP



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.

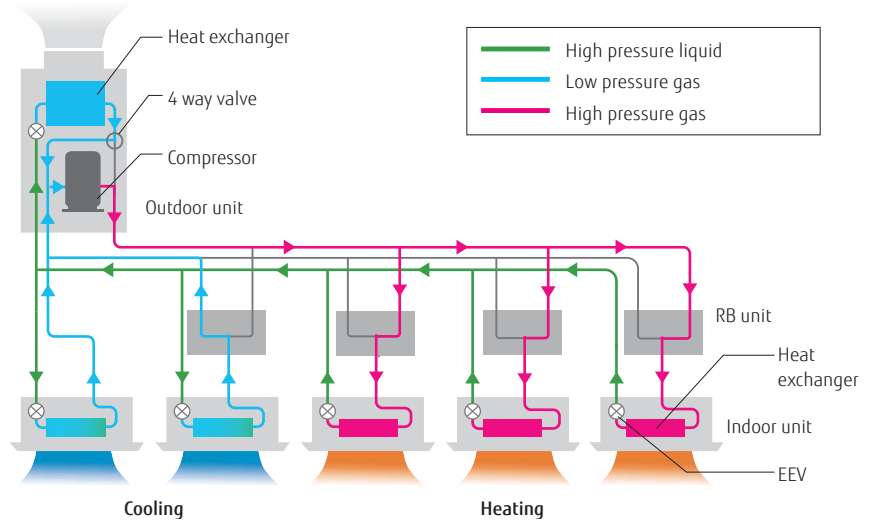
Heat Recovery Modular Type

AIRSTAGE VR-II

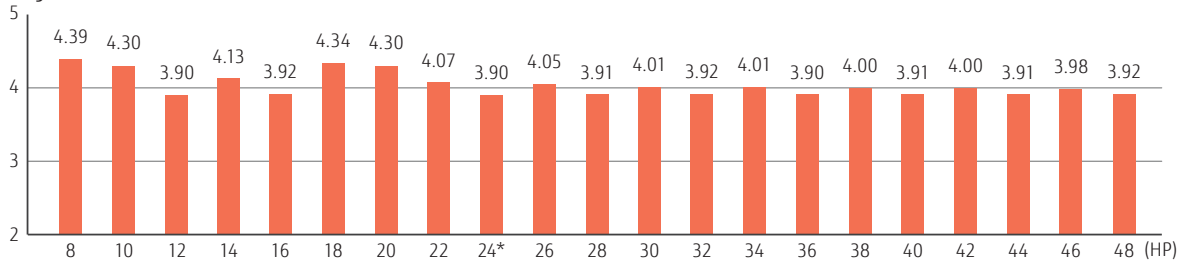


High Operating Energy Efficiency

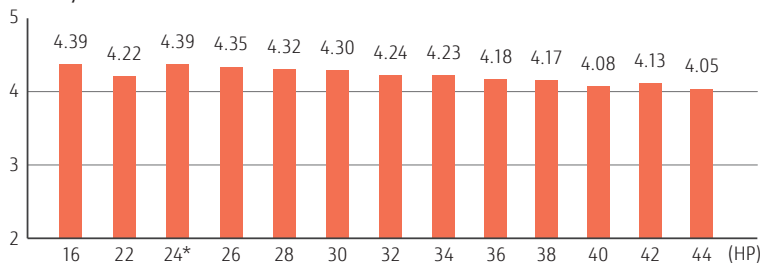
Our Heat recovery systems achieve high operating energy efficiency by drawing heat from the room to be cooled and transferring it as energy for rooms that are to be heated.



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



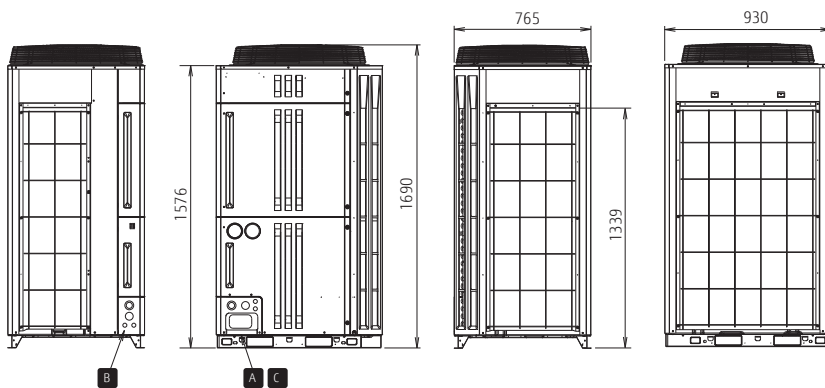
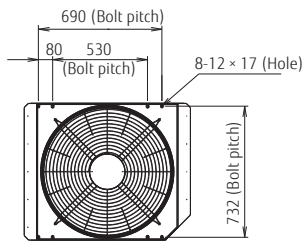
8, 10, 12 HP

14, 16 HP

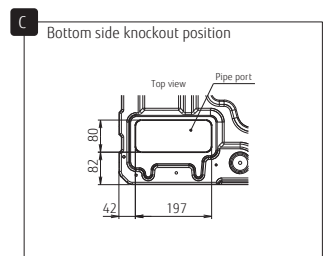
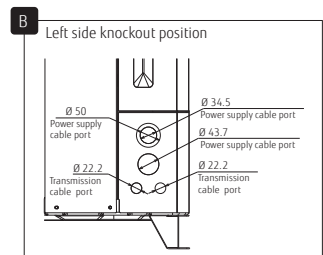
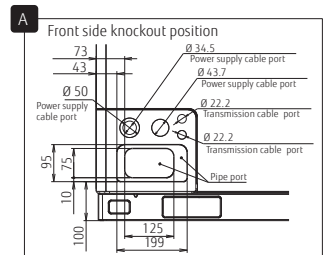
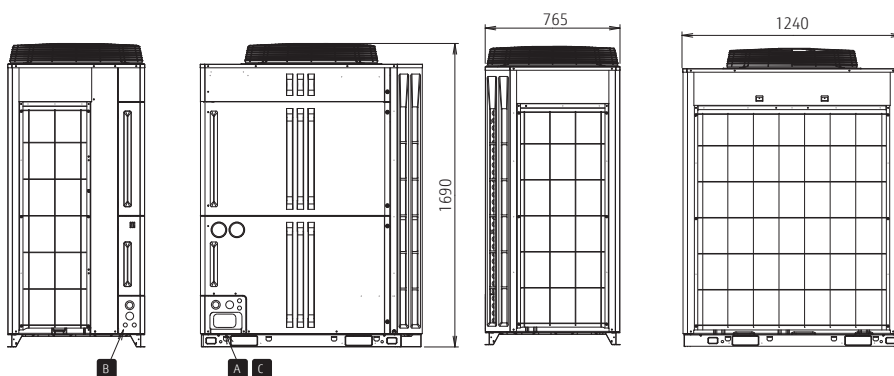
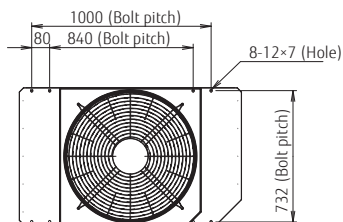
Dimensions

(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	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	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.

26		28		30		32		34		36		38		40		42		44		46		48		
AJY234GALH	AJY252GALH	AJY270GALH	AJY288GALH	AJY306GALH	AJY324GALH	AJY342GALH	AJY360GALH	AJY378GALH	AJY396GALH	AJY414GALH	AJY432GALH	AJY444GALH	AJY462GALH	AJY480GALH	AJY498GALH	AJY516GALH	AJY534GALH	AJY552GALH	AJY570GALH	AJY588GALH	AJY606GALH	AJY624GALH	AJY642GALH	
AJY144GALH	AJY144GALH	AJY144GALH	AJY144GALH	AJY108GALH	AJY108GALH	AJY144GALH	AJY144GALH	AJY144GALH	AJY144GALH	AJY144GALH	AJY144GALH	AJY144GALH	AJY144GALH	AJY144GALH	AJY144GALH	AJY144GALH	AJY144GALH	AJY144GALH	AJY144GALH	AJY144GALH	AJY144GALH	AJY144GALH	AJY144GALH	
AJYA90GALH	AJY108GALH	AJY126GALH	AJY144GALH	AJY108GALH	AJY108GALH	AJYA90GALH	AJY108GALH	AJYA90GALH	AJY108GALH	AJY108GALH	AJYA90GALH	AJY108GALH	AJYA90GALH	AJY108GALH	AJYA90GALH	AJY108GALH	AJYA90GALH	AJY108GALH	AJY126GALH	AJY144GALH	AJY144GALH	AJY144GALH	AJY144GALH	
39	42	45	48	50	53	57	60	63	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	
36.5-109.5	39.3-117.7	42.5-127.5	45.0-135.0	47.5-142.5	50.3-150.7	53.3-159.7	56.0-168.0	59.0-177.0	61.8-185.2	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	118.0	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													
20.72	23.36	24.95	27.22	26.61	29.25	30.47	33.11	34.33	36.97	38.56	40.83													
20.10	22.39	23.67	25.54	26.57	28.86	29.72	32.01	32.87	35.16	36.44	38.31													
3.52	3.36	3.41	3.31	3.57	3.44	3.50	3.38	3.44	3.34	3.37	3.31													
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+11,100	13,000+11,100	13,000×3	13,000×3													
63 / 84	63 / 84	64 / 84.5	64 / 85	63 / 85	64 / 85	64 / 85	65 / 85.5	65 / 86	65 / 86	65 / 86	66 / 87													
63 / 85	64 / 86	64 / 86	64 / 86	65 / 87.2	65 / 87	65 / 87	66 / 87.7	65 / 87	66 / 88	66 / 88	66 / 88													
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													
40 + 25	40 + 25	40 + 40	40 + 40	25 + 25 + 25	25 + 25 + 25	40 + 25 + 25	40 + 25 + 25	40 + 40 + 25	40 + 40 + 25	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													
1,240+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	286×3	286×3	286+262×2	286+262×2	286×2+262	286×2+262	286×3	286×3													
R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A													
11.8×2	11.8×2	11.8×2	11.8×2	11.8×3	11.8×3	11.8×3	11.8×3	11.8×3	11.8×3	11.8×3	11.8×3													
5/8	5/8	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4													
1 1/8	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	1 3/8	1 3/8													
1 3/8	1 3/8	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													
-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	
AJY288GALHH	AJY306GALHH	AJY324GALHH	AJY342GALHH	AJY360GALHH	AJY378GALHH	AJY396GALHH	AJY414GALHH	AJY432GALHH	AJY450GALHH	AJY468GALHH	AJY486GALHH	AJY504GALHH	AJY522GALHH
AJY126GALH	AJY126GALH	AJY126GALH	AJY126GALH	AJY144GALH	AJY126GALH	AJY126GALH	AJY144GALH	AJY126GALH	AJY126GALH	AJY126GALH	AJY126GALH	AJY144GALH	AJY126GALH
AJYA90GALH	AJYA90GALH	AJYA90GALH	AJYA90GALH	AJYA90GALH	AJYA90GALH	AJYA90GALH	AJYA90GALH	AJYA90GALH	AJYA90GALH	AJYA90GALH	AJYA90GALH	AJYA90GALH	AJYA90GALH
48	51	54	57	60	64	64	64	64	64	64	64	64	64
45.2-135.6	48.0-144.0	51.2-153.6	54.0-162.0	56.5-169.5	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							
23.90	25.56	28.13	29.79	32.06	34.02	36.29							
23.93	25.56	27.50	29.13	31.00	32.70	34.57							
3.78	3.76	3.64	3.63	3.52	3.53	3.44							
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 / 84	64 / 85	64 / 85	64 / 86	65 / 86	65 / 86	65 / 86							
64 / 86	65 / 87	65 / 87	65 / 87	66 / 87	66 / 88	66 / 88							
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							
40 + 25 + 20	40 + 25 + 25	40 + 40 + 20	40 + 40 + 25	40 + 40 + 25	40 + 40 + 40	40 + 40 + 40							
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	R410A	R410A	R410A	R410A	R410A	R410A							
11.8×3	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							
1 1/8	1 1/8	1 1/8	1 3/8	1 3/8	1 3/8	1 3/8							
1 3/8	1 3/8	1 5/8	1 5/8	1 5/8	1 5/8	1 5/8							
-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.

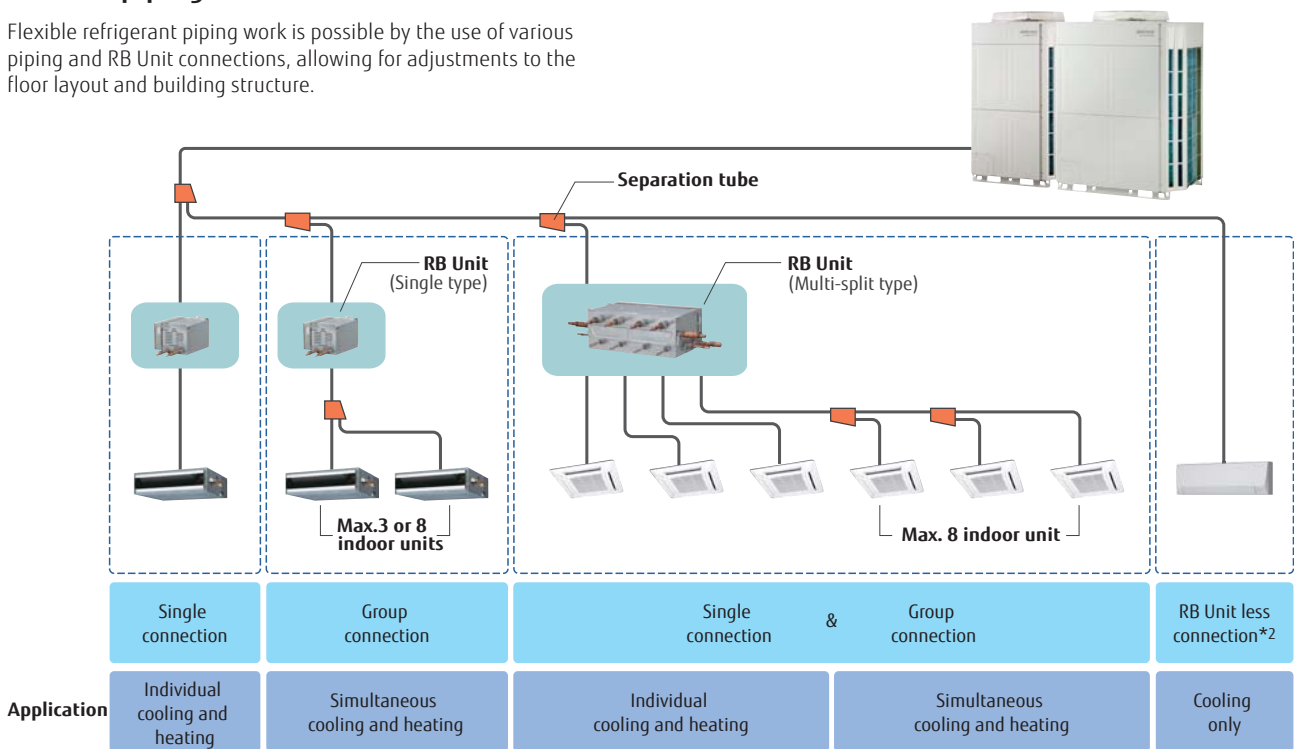
Heat Recovery

Modular Type

AIRSTAGE™ VR-IV

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



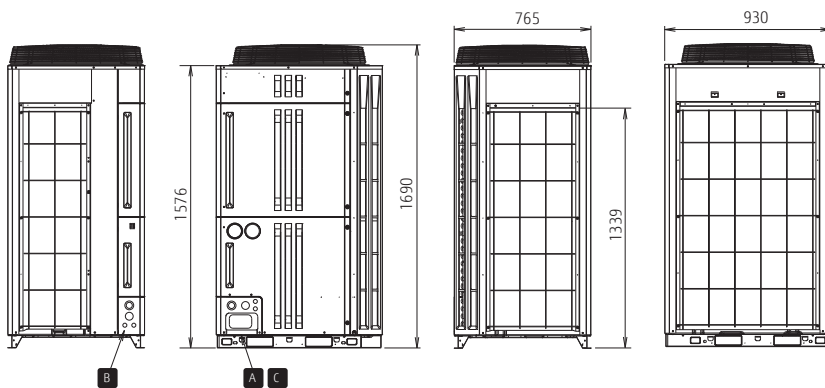
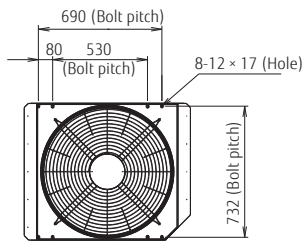
8, 10, 12 HP

14, 16 HP

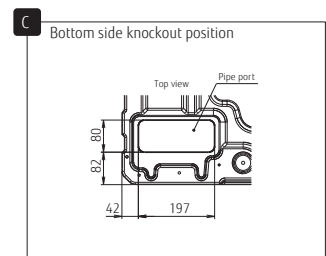
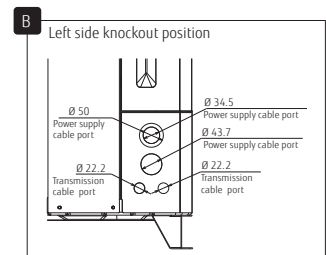
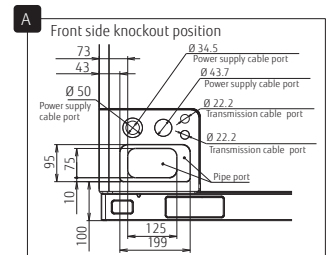
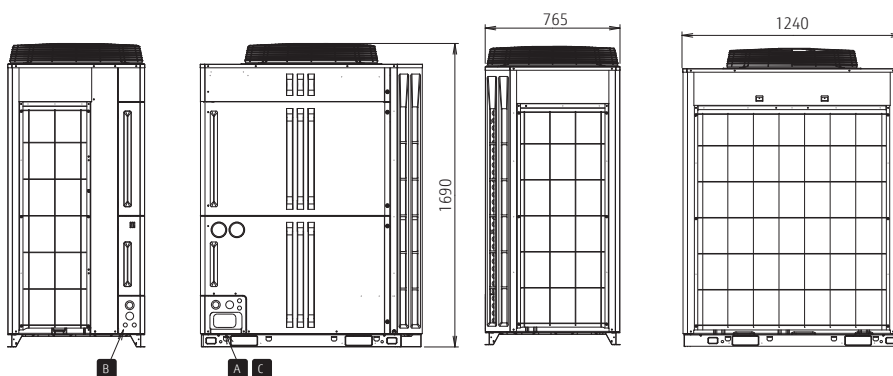
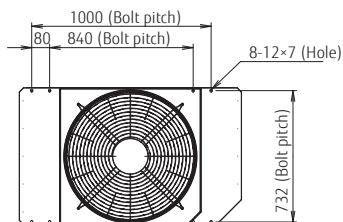
Dimensions

(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/ Power level	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/ Power level	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 AJY090GALBH	AJY144GALBH AJY144GALBH AJY108GALBH	AJY144GALBH AJY144GALBH AJY126GALBH	AJY144GALBH 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, 400 V, 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*2 (24.6*2)	11.8*2 (24.6*2)	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)	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, 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
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.

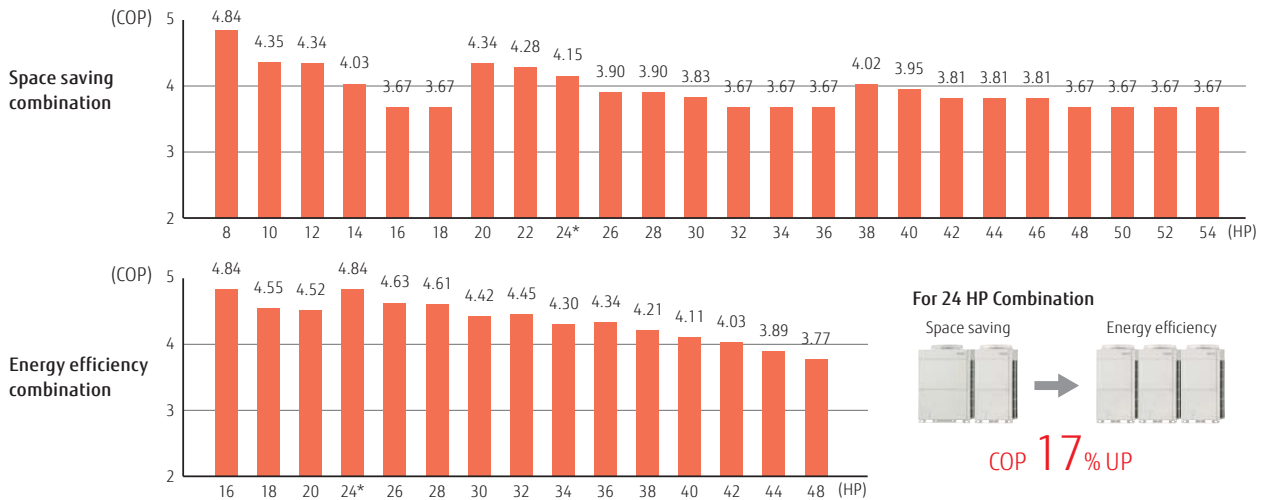
*3: When the connectable indoor unit capacity range is 25% to 49.9%, do not open the three-way valve except for the operating one unit. In addition, do not connect the power line.

Heat Pump Modular Type



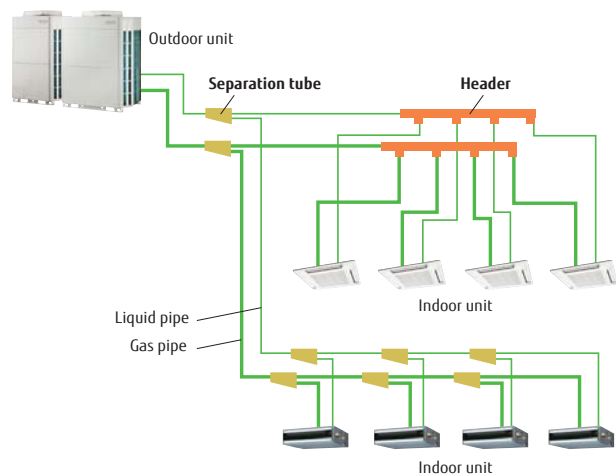
Efficiency in actual operation

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

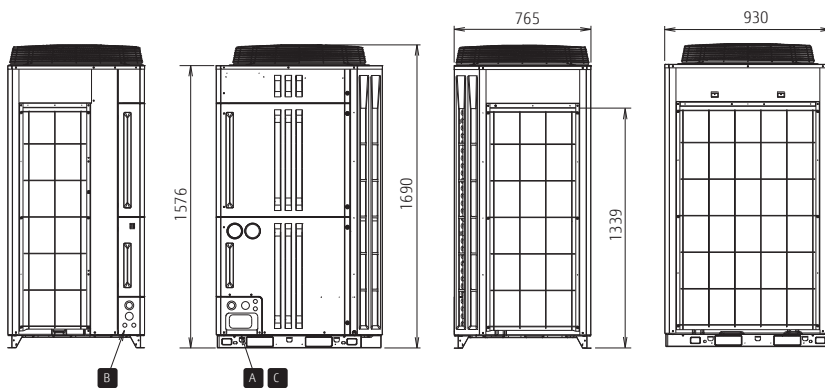
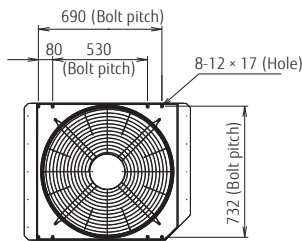


12, 14, 16, 18 HP

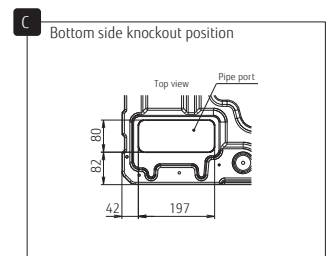
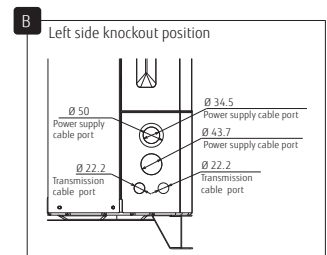
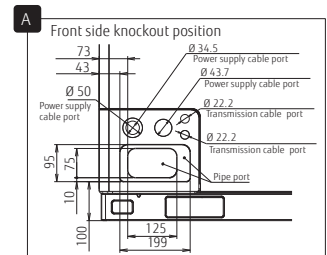
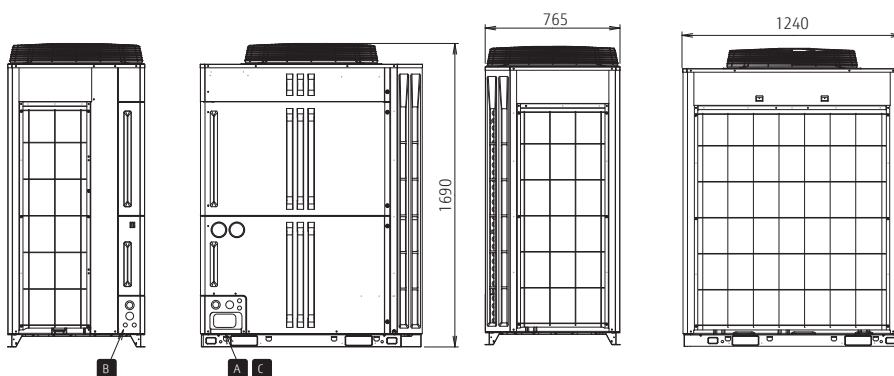
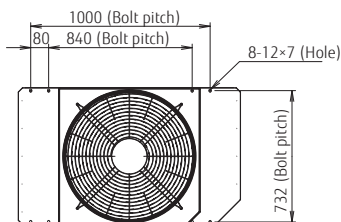
Dimensions

(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 Unit 2 Unit 3			AJY072LALBH	AJY090LALBH	AJY108LALBH	AJY126LALBH	AJY144LALBH	AJY162LALBH	AJY090LALBH AJY090LALBH	AJY126LALBH AJY072LALBH	AJY126LALBH AJY090LALBH	AJY144LALBH AJY090LALBH	AJY162LALBH AJY090LALBH
Maximum Connectable Indoor Unit*1			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 ³ /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*2/ 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	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	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 Unit 2 Unit 3			AJY072LALBH AJY072LALBH	AJY090LALBH AJY072LALBH	AJY108LALBH AJY072LALBH	AJY072LALBH AJY072LALBH AJY072LALBH	AJY090LALBH AJY072LALBH AJY072LALBH	AJY108LALBH AJY072LALBH AJY072LALBH	AJY126LALBH AJY072LALBH AJY072LALBH	
Maximum Connectable Indoor Unit*1			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 ³ /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*2/ 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	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	3/4	
	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 AJY162LALBH	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+11,000	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	1,240×930×2	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
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*3	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*3	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 GCCG												
	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, ARX0018/024/030GTAH 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

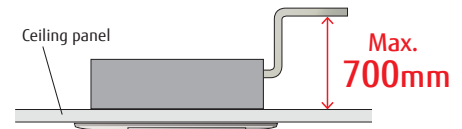
Model name		AUXB004GLEH	AUXB007GLEH	AUXB009GLEH	AUXB012GLEH	AUXB014GLEH	AUXB018GLEH	AUXB024GLEH
Power source		Single phase, ~230V, 50Hz						
Capacity	UK Total Cooling	0.80	1.60	2.10	2.70	3.30	4.20	5.30
	UK Sensible Cooling	0.70	1.50	1.70	2.30	2.70	3.20	4.40
	UK Heating	1.20	2.60	3.00	3.80	4.70	5.90	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)	1/4					3/8	
	Gas (Flare)	1/2					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

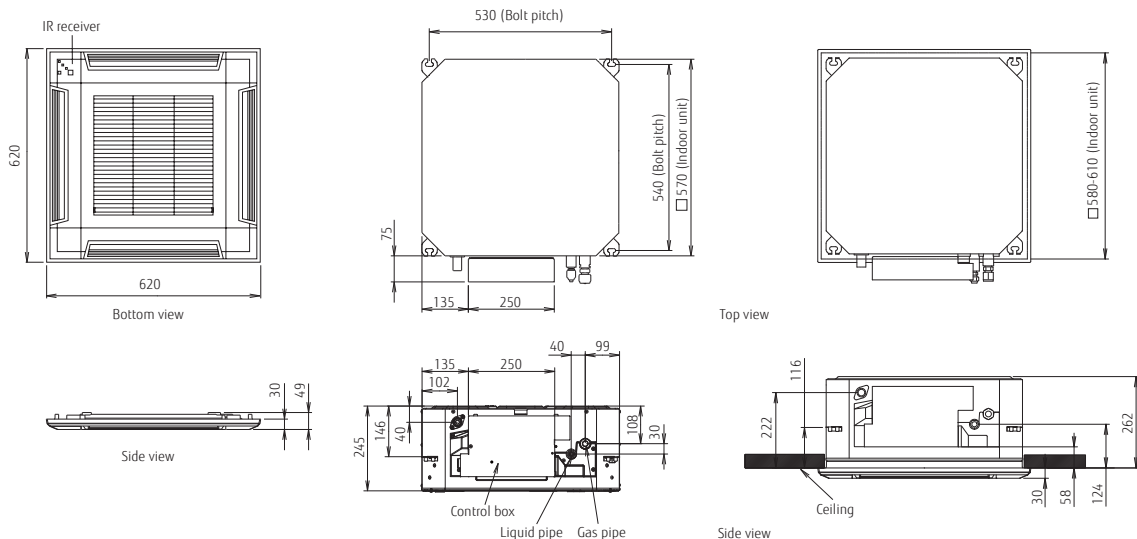
Fresh Air Intake Kit: UTZ-VXAA Cassette Grille: UTG-UFYC-W, UTG-UFYE-W
 External Power Supply Unit: UTZ-GXXA
 Wireless LAN Interface: UTY-TFSXZ1

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	m³/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
	Quiet		1,150	1,150	1,150	1,150	1,150	1,150	1,150
Sound pressure level	High	dB(A)	38	38	39	39	41	44	47
	Med-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
	Low		34	34	35	35	36	36	36
	Quiet		33	33	33	33	33	33	33
Dimensions (H × W × D)		mm	288 × 840 × 840						
Weight		kg(lbs)	26.5 (58)	26.5 (58)	29.5 (65)	29.5 (65)	29.5 (65)	29.5 (65)	
Connection pipe diameter	Liquid (Flare)	Inch	1/4		3/8				
	Gas (Flare)	Inch	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

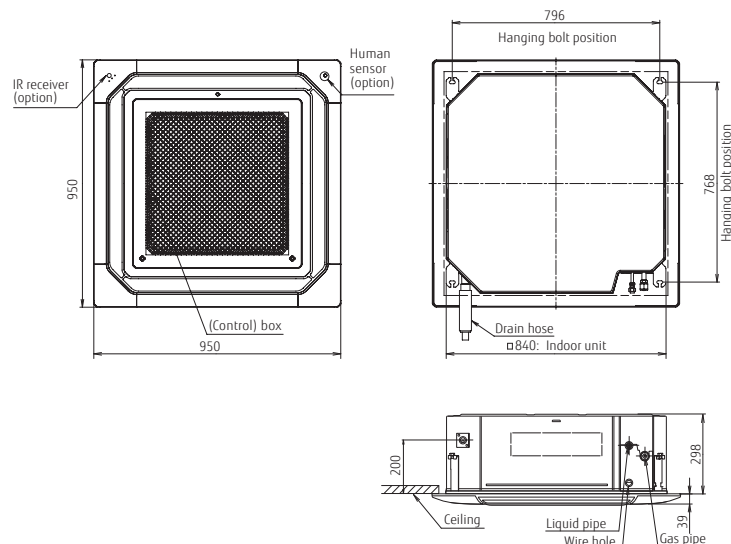
IR Receiver Unit:

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



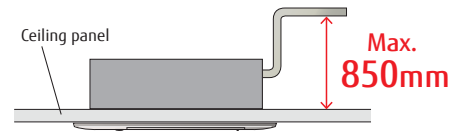
Specifications

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 ³ /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.

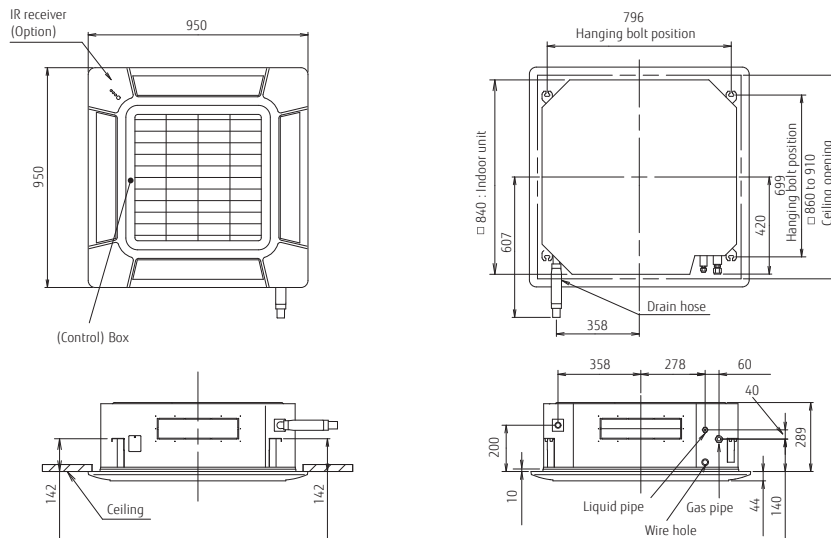
Optional parts

- 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)		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

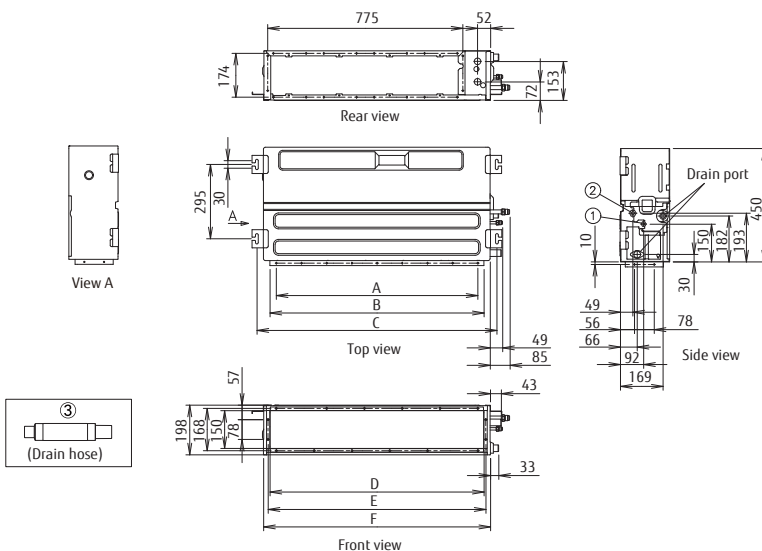
Auto Louvre Grille Kit (Option)

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)

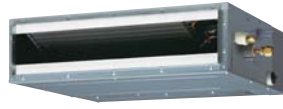


- ① Refrigerant pipe flare connection (Liquid)
- ② Refrigerant pipe flare connection (Gas)
- ③ Drain hose connection

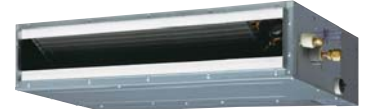
	ARXK004-014	ARXK018	ARXK024
A	P100×6=600	P100×8=800	P100×10=1000
B	650	850	1050
C	752	952	1152
D	650	850	1050
E	665	864	1064
F	700	900	1100

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

Slim Duct / Slim Concealed Floor

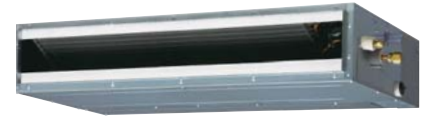


ARXD04GALH
ARXD007/009/012/014GLEH



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	

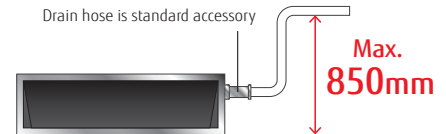
Note : Specifications are based on the following conditions.
 Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.
 Heating : Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.
 Pipe length : 7.5 m; Height difference between outdoor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

Optional parts

Remote Sensor Unit : UTY-XSZX
 IR Receiver Unit : UTB-YWC (004)
 External Power Supply Unit : UTZ-GXXA

Auto Louvre Grille Kit: UTD-GXSA-W (04/007/009/012/014)
 UTD-GXSB-W (018)
 UTD-GXSC-W (024)

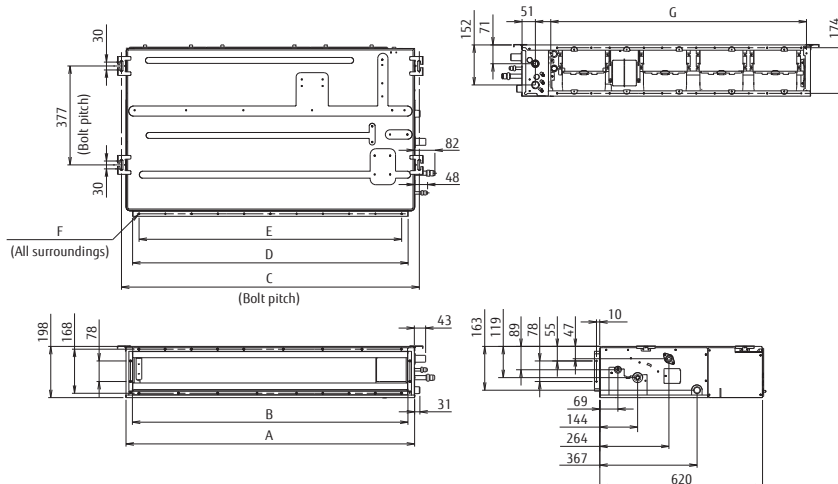
Wireless interface for use with Smart home products: FJ-AC-WIFI-1



Dimensions

(Unit : mm)

*Service accessibility must be allowed 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

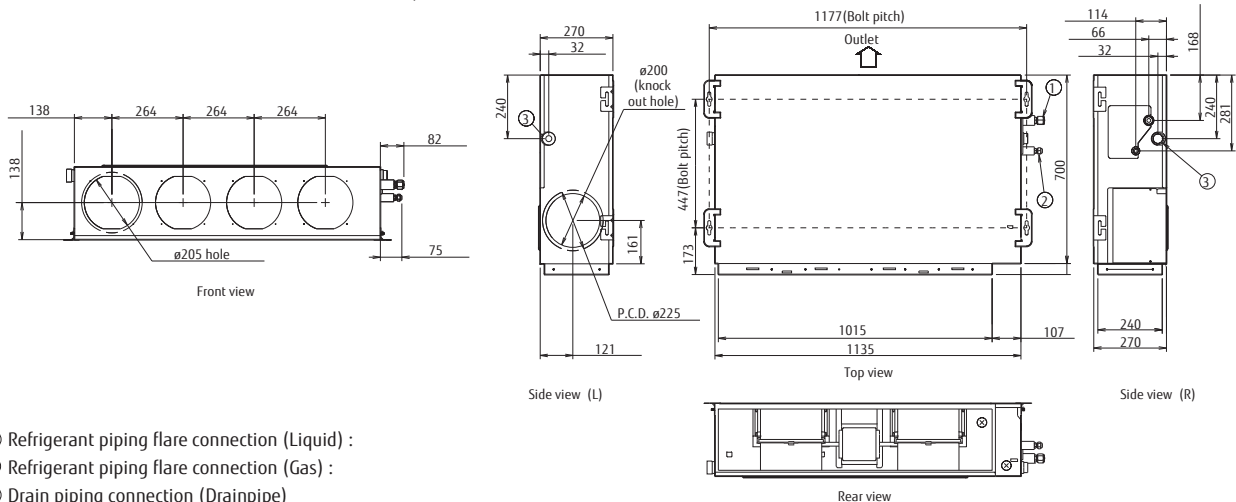
Long Life Filter :	UTD-LF25NA	IR Receiver Unit :	UTY-TRHX
Flange (Square) :	UTD-SF045T	Drain Pump Unit :	UTZ-PX1NBA
Flange (Round) :	UTD-RF204	Wireless LAN Interface :	UTY-TFSXZ1
External Power Supply Unit :	UTZ-GXXA		

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.



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		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	Inch	3/8 (Flare)				3/8 (Brazing)	
	Gas		5/8 (Flare)	3/4 (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-IVJ-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

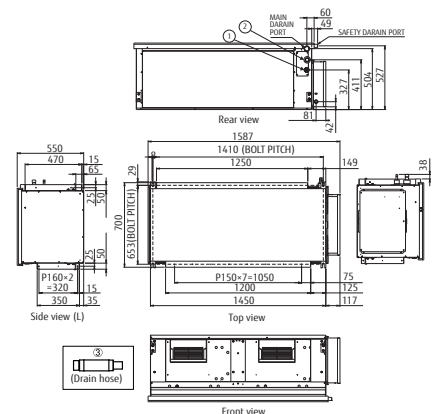
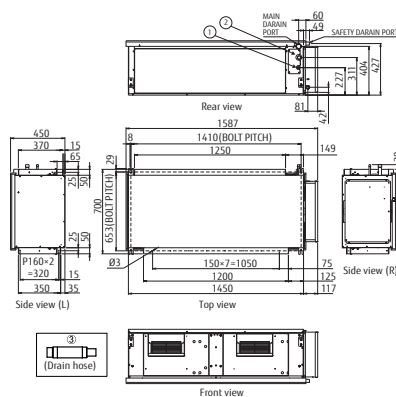
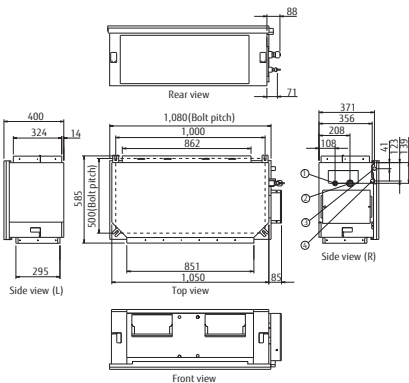
Dimensions

(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)			
Connection pipe diameter	Liquid (Flare)			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].

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

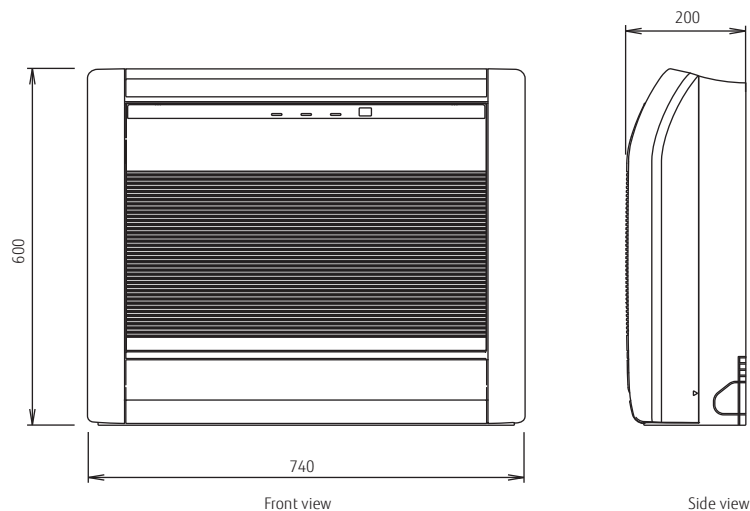
External Power Supply Unit : UTZ-GXXA

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)		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

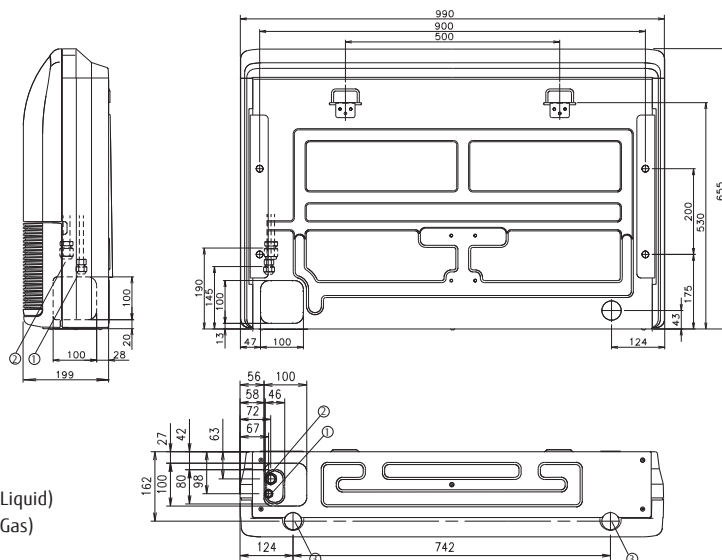
External Power Supply Unit : UTZ-GXXA

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	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	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	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
	kg(lbs)	46 (101)	48 (106)	48 (106)	48 (106)
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

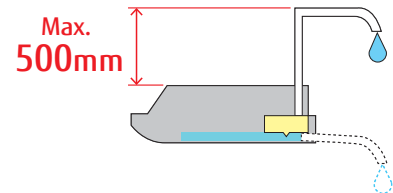
Drain Pump Unit : UTR-DPB24T

Flange : UTD-RF204

External Power Supply Unit : UTZ-GXXA

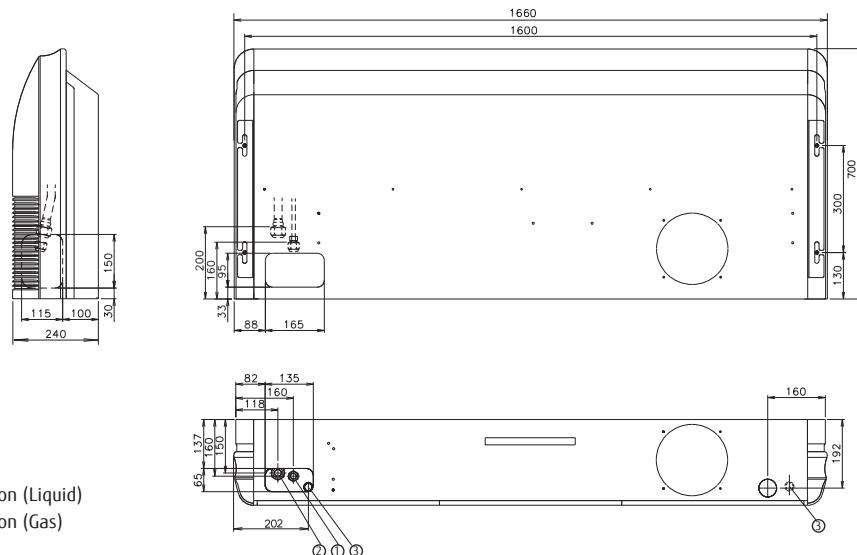
Wireless LAN Interface : UTY-TFSXZ1

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 x 820 x 206	262 x 820 x 206	262 x 820 x 206	262 x 820 x 206	262 x 820 x 206	262 x 820 x 206
Weight	kg(lbs)	7.5 (17)	7.5 (17)	7.5 (17)	7.0 (15)	7.0 (15)	7.0 (15)
Connection pipe diameter	Liquid (Flare)			1/4			
	Gas (Flare)			3/8			
EV Kit (option)		-			UTR-EV09XB		

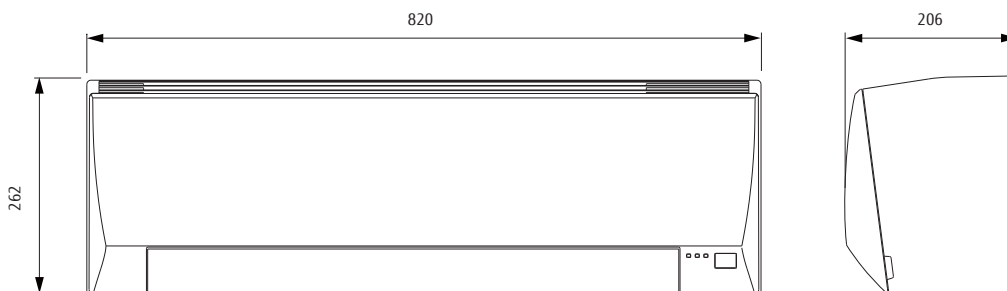
Note : Specifications are based on the following conditions.
 Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.
 Heating : Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.
 Pipe length : 7.5 m; Height difference between outdoor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

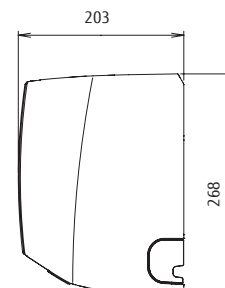
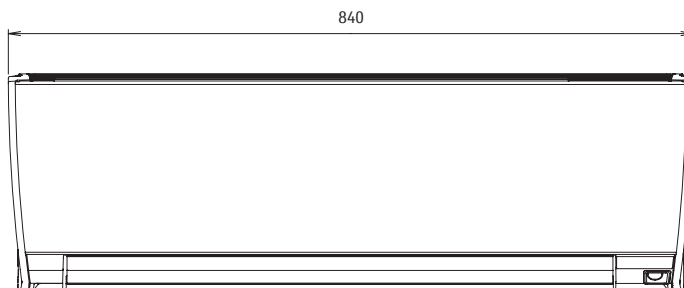
Optional parts

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)



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 × W × 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		3/8	
	Gas (Flare)		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].

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)

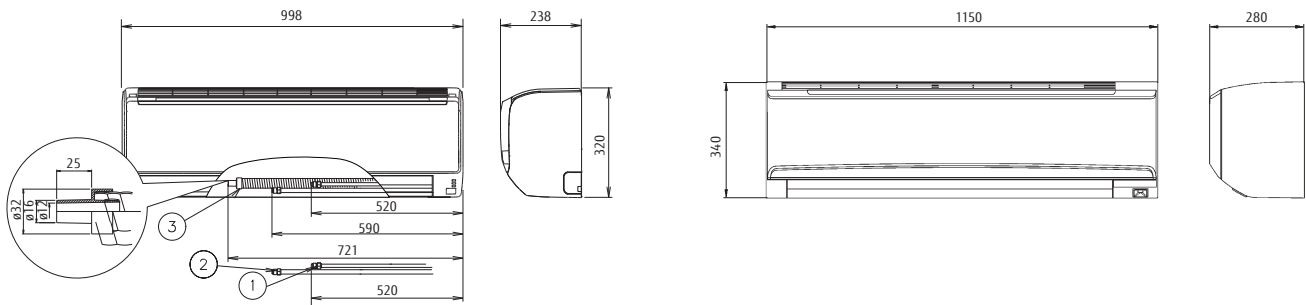
Wireless interface for use with Smart home products: FJ-AC-WIFI-1 (030/034)

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



Linwood now offer an extensive range of plenum boxes to suit the Fujitsu General Air Conditioning UK range of ducted air conditioning indoor units

Installing air conditioning ducted fan coil units (FCU's) just got easier with these purpose made plenum boxes designed to save you time and money when fitting VRF or split air conditioning systems

Easy to use online ordering & live order processing via
www.airconplenums.com/fujitsu-plenum
filter not supplied with plenum

Control System Overview

For VRF

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

Air Conditioning Individual Control



Wired Remote Controller (Touch panel)
UTY-RNRYZ3



NEW Compact Wired Remote Controller
UTY-RCRYZ1



Simple Remote Controller
UTY-RSRY
UTY-RHRY
Without operation mode



Wireless Remote Controller
UTY-LNHY



For Duct



For 3D Flow Cassette/Duct

IR Receiver Unit

UTB-YWC For Duct

UTY-TRHX For Duct



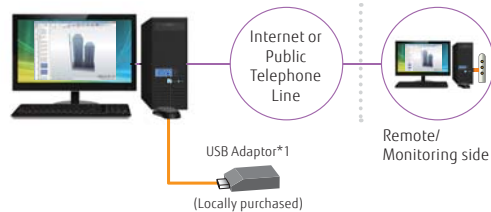
For Cassette



For Circular Flow Cassette

UTY-LRHYB1 For Cassette
UTY-LBHXD For Circular Flow Cassette

Air Conditioning Centralised Control



System Controller Software
UTY-APGXZ1/UTY-ALGXZ1 (Lite edition)

Max. Controllable 1600 indoor units^{*2}

*1: USB Adaptor: Echelon® U10 USB Network Interface
*2: Lite edition is max. controllable 400 indoor units



Central Remote Controller
UTY-DCGYZ1

Max. Controllable 100 indoor units



Touch Panel Controller
UTYDTGYZ1

Max. Controllable 400 indoor units



Convertor/Adaptor

For external control via BMS/Home Automation Systems

BACnet® Gateway

UTY-ABGXZ1 **Software**



BACnet® Gateway

UTY-VBGX **Hardware**



Network Convertor (For LONWORKS®)

UTY-VLGX



MODBUS® Convertor For indoor unit

UTY-VMSX



MODBUS® Convertor

UTY-VMGX



MODBUS® Interface

FJRCMBS1



KNX® Convertor For indoor unit

UTY-VKSX



KNX® Convertor For VRF

UTY-VKGX



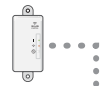
KNX® Interface

FJRCKNX1i



Wireless LAN Interface

UTY-TFSXZ1



Wireless LAN Interface

FJRCWIF2

FJACWIF1



External Switch Controller

UTY-TERX



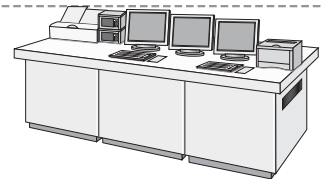
Card-key
(Locally purchased)



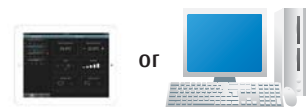
Internet device



BMS/BAS^{*3}



BMS^{*3}, Home automation system



*3: BMS/BAS: Building Management System/Building Automation System

Convertor/Adaptor

For system expansion

Network Convertor

(DC power supply)

UTY-VTGX



Single split

Network Convertor

(AC power supply)

UTY-VTGXV



Single split


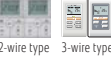











Signal Amplifier

UTY-VSGXZ1



Controller System List (available) For VRF

Controller Options:

Type	Refrigerant	Indoor unit								
		Cassette				Duct				
		Compact Grid type /Standard type	Slim type	Large type	Large type	Low Static Pressure Duct		Medium Static Pressure		
			4-way Flow		Circular Flow	Mini (With drain pump)	Slim (With drain pump)		Normal	
R410A	AUXB 004/007/009/ 012/014/018/ 024GLEH	AUXD 18/24GALH	AUXA 18/24/30/ 34/36/45/54 GALH	AUXK 018/024/030/ 034/036/045/ 054GLEH	ARXK 004/007/009/ 012/014/018/ 024GLGH	ARXD 04GALH	ARXD 007/009/012/ 014/018/024 GLEH	ARXA 024/030/ 036/045 GLEH		
Controllers	 Wired Remote Controller	● UTY-RNRYZ3								
		● UTY-RLRY								
		● UTY-RCRYZ1								
Simple Remote Controller	 2-wire type 3-wire type	● UTY-RSRY UTY-RHRY	● UTY-RSRY, UTY-RHRY, UTY-RSKY, UTY-RHKY	● UTY-RSRY UTY-RHRY	● UTY-RSRY, UTY-RHRY, UTY-RSKY, UTY-RHKY	● UTY-RSRY UTY-RHRY	● UTY-RSRY UTY-RHRY	● UTY-RSRY UTY-RHRY		
Wireless Remote Controller		● UTY-LNHY								
Central Remote Controller		● UTY-DCGVZ1								
System Controller, System Controller Lite		● UTY-APGXZ1, UTY-ALGXZ1								
Interface	BACnet Gateway		● UTY-ABGXZ1, UTY-VBGX							
	Network Converter for LonWorks		● UTY-VLGX							
	MODBUS Converter		● UTY-VMSX		● UTY-VMSX		● UTY-VMSX	● UTY-VMSX		
	MODBUS Converter		● UTY-VMGX							
	KNX Converter		● UTY-VKSX		● UTY-VKSX		● UTY-VKSX	● UTY-VKSX		
	KNX Converter		● UTY-VKGX							
	Wireless LAN Interface		● UTY-TFSXZ1		● UTY-TFSXZ1		● UTY-TFSXZ1	● UTY-TFSXZ1		
	External Switch Controller		● UTY-TERX							



Indoor unit												
Duct		Floor		Ceiling/ Floor	Ceiling	Wall Mounted						
High Static Pressure		-	EEV external			-	EEV external	-	EEV external	-	-	-
Normal				ARXC 036/072/ 090/096 GTEH	AGYA 004/007/ 009/012/014 GCGH							
● UTY-RNRYZ3												
● UTY-RLRY												
● UTY-RCRYZ1												
● UTY-RSRY, UTY-RHRY, UTY-RSKY, UTY-RHKY	● UTY-RSRY UTY-RHRY	● UTY-RSRY UTY-RHRY						● UTY-RSRY, UTY-RHRY, UTY-RSKY, UTY-RHKY	● UTY-RSRY UTY-RHRY			
● UTY-LNHY												
● UTY-DCGYZ1												
● UTY-APGXZ1, UTY-ALGXZ1												
● UTY-ABGXZ1, UTY-VBGX												
● UTY-VLGX												
	● UTY-VMSX	● UTY-VMSX							● UTY-VMSX			
● UTY-VMGX												
	● UTY-VKSX	● UTY-VKSX							● UTY-VKSX			
● UTY-VKGX												
	● UTY-TFSXZ1	● UTY-TFSXZ1							● UTY-TFSXZ1			
● UTY-TERX												