

PRODUCT LINEUP

VRF

For LIGHT COMMERCIAL
& RESIDENTIAL,
COMMERCIAL





AIRSTAGE™ VRF Systems can be designed to create an air conditioning solution to suit most building 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.

AIRSTAGE™

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VRF INDOOR UNITS

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

For LIGHT COMMERCIAL SMALL OFFICES

Fujitsu General provides perfect total 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.



J-III


J-IIIIL

J-IIIIL
High capacity model

AIRSTAGE™ J-Series Up to 16 HP by compact outdoor unit

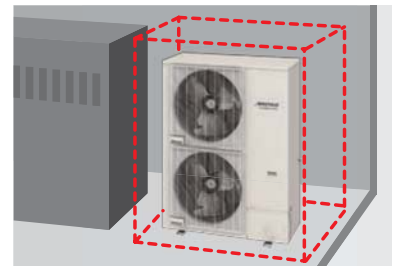
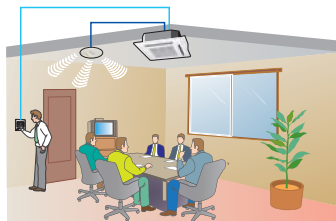
Small VRF system is suitable for the buildings with many small rooms. Max. 40* indoor units can be connected.

*Only J-IIIIL 16 HP model

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Energy saving solution suitable for meeting rooms and business discussion rooms

When there are no people in the room, save operation starts automatically to prevent unnecessary power consumption by linking up with a human sensor and external input/output kit.



J-IIIIL

Compact and low noise design outdoor unit

This compact outdoor unit doesn't take up much space even if installed in a machine room or on the rooftop. This unit secures enough static pressure even if there are louvers. Low noise operation is possible at night time by a low noise mode.



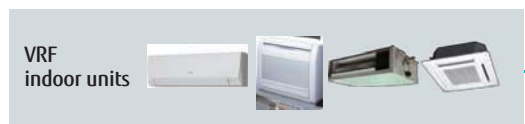
Compact Cassette Grid Type



Centralised control of both air conditioning and ventilation equipment

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

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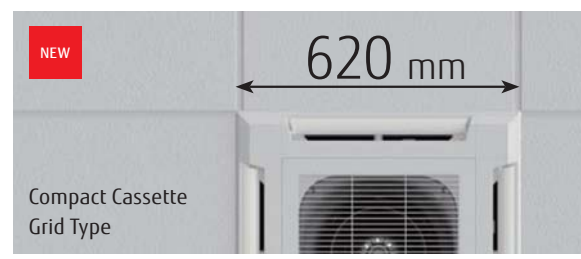


System Controller Lite

New design Grilles ideal for a grid ceiling

We have equipped a new 620 mm square design panel that is ideal for the grid ceiling found in many offices in Europe. Easy installation and finished appearance are enhanced by these new panels.

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1.1 kW personal air conditioning

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

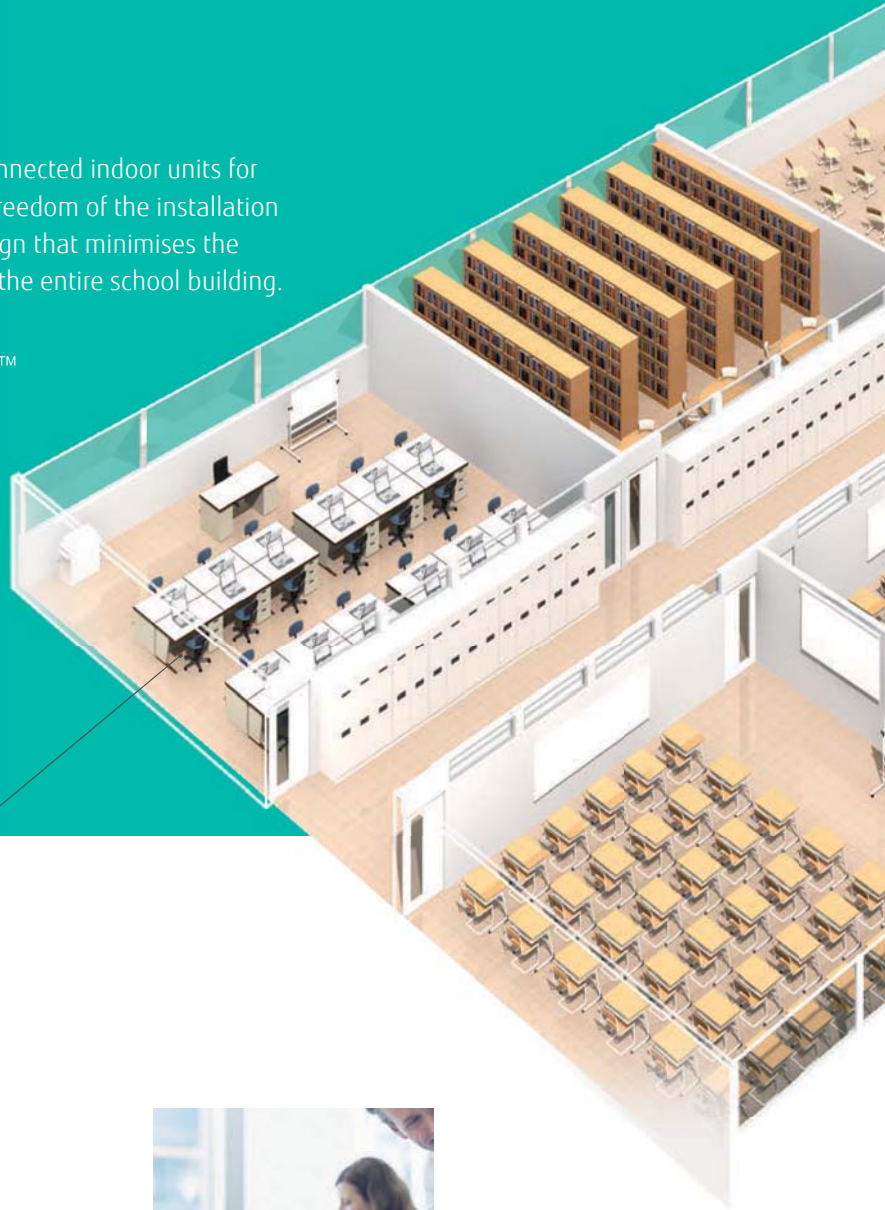
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For LIGHT COMMERCIAL SCHOOL

Fujitsu General provides the optimal number of connected indoor units for mid sized educational institutions. The degree of freedom of the installation location selection is improved with a compact design that minimises the installation area. Even one outdoor unit can cover the entire school building.

AIRSTAGE™



Touch Panel Controller UTY-DTGYZ1

LAN



PC



Router

Wireless LAN

Fixed IP, IP forwarding and open Port required



Tablet PC

Smartphone

iOS, Android and/or Windows

New centralised remote controller with improved operability

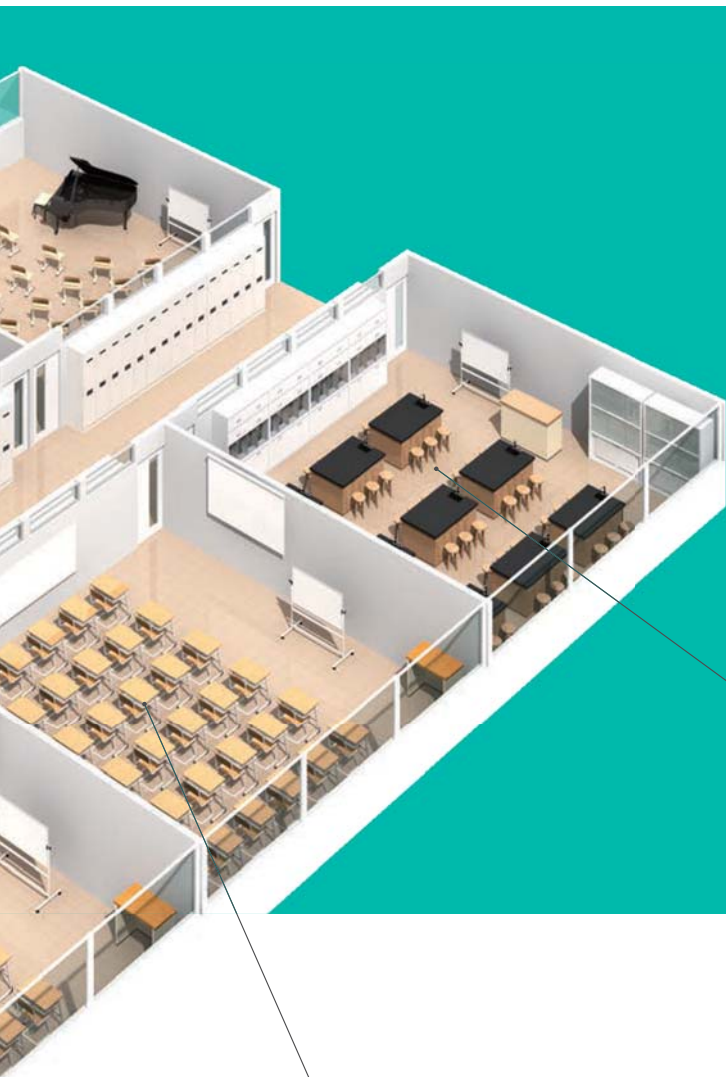
Temperature management of each classroom and one week operation control management/settings are supported easily. This controller makes energy saving management possible with upper/lower temperature limit settings and operation prohibited settings.

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Control and monitoring

The same management as with the main unit is possible even if you are at your desk. Non-administrators can also operate the air conditioners with a PC, Smartphone or tablet.





Cassette Circular Flow

Comfortable room air conditioning with comfortable temperature contrast

Circular Airflow Cassette blows out in all directions without temperature unevenness



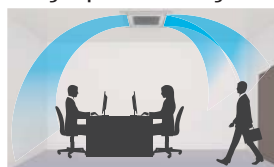
Bulkhead Duct



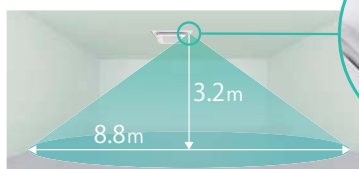
NEW Energy Recovery Ventilator

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



Energy saving operation when there are no people by linking up with human sensor



Human sensor (Option)

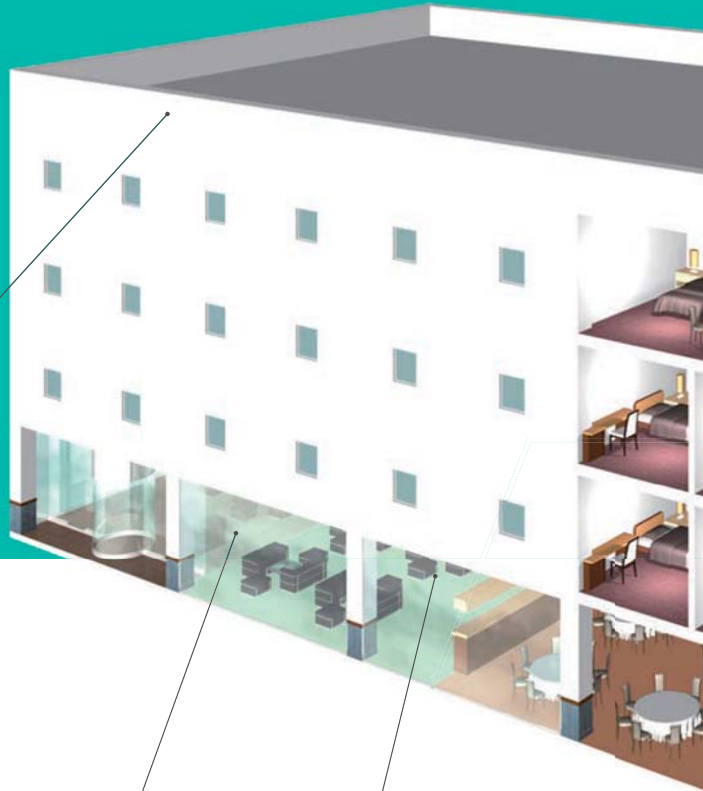
Various indoor units

We have a lineup of indoor units that can also support complex applications – from normal classrooms to special classrooms and auditoriums. Air conditioners can also be added easily.

For LIGHT COMMERCIAL HOTELS

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

AIRSTAGE™



AIRSTAGE™ J-Series Appearance-oriented compact outdoor unit

Due to the lowest and most compact design in the industry, the appearance of the hotel is not affected even when installed on the building's roof.



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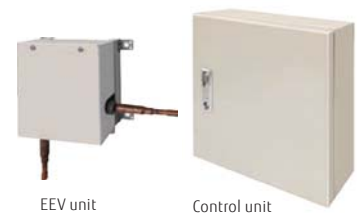


Ventilation of the whole hotel supported

Outdoor air processing is essential in hotel spaces with a high degree of airtightness. The DX-Kit can link up with AHU's to ensure sufficient ventilation. This system can be expanded.

Large space air conditioning in the reception and lobby

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



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

Space saving

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



Bulkhead Duct

 **144 Page**



Card key switch available (By others)

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



Use of an external connect kit and switch (By others)

 **177 Page**

Comfortable airflow that switches up and down air directions

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



Auto Louvre Grille Kit

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System controller

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.

 **166 Page**



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.

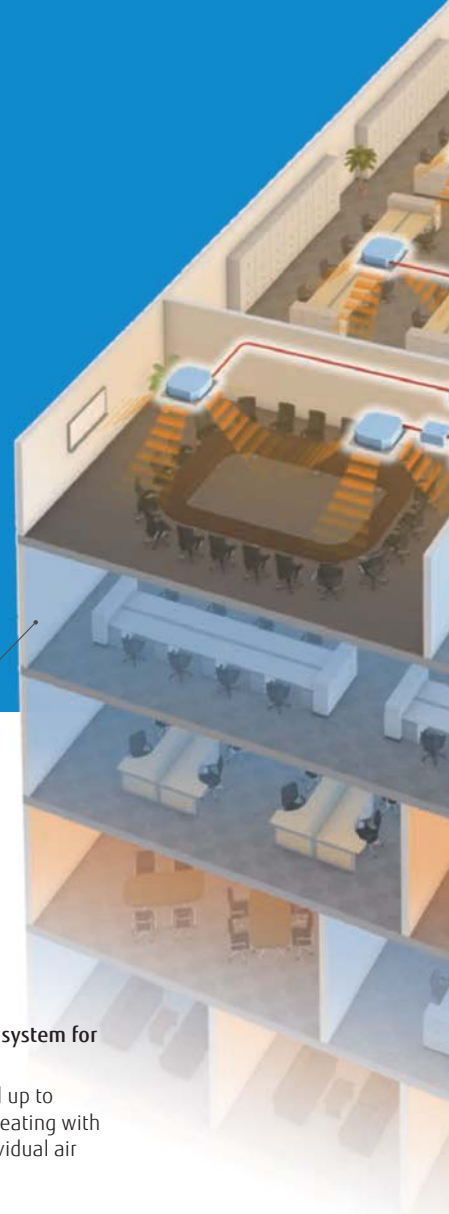
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For COMMERCIAL

LARGE BUILDING

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



Abundant lineup suitable to match the operating environment

VRF series lineup to meet various needs such as energy saving-orientated models and models compatible with a high outdoor air temperature of 52°C



Individual air conditioning system for large buildings

Capacities can be expanded up to simultaneous cooling and heating with maximum 48HP. Large individual air conditioning is supported.



AIRSTAGE™ VR-II

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%

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

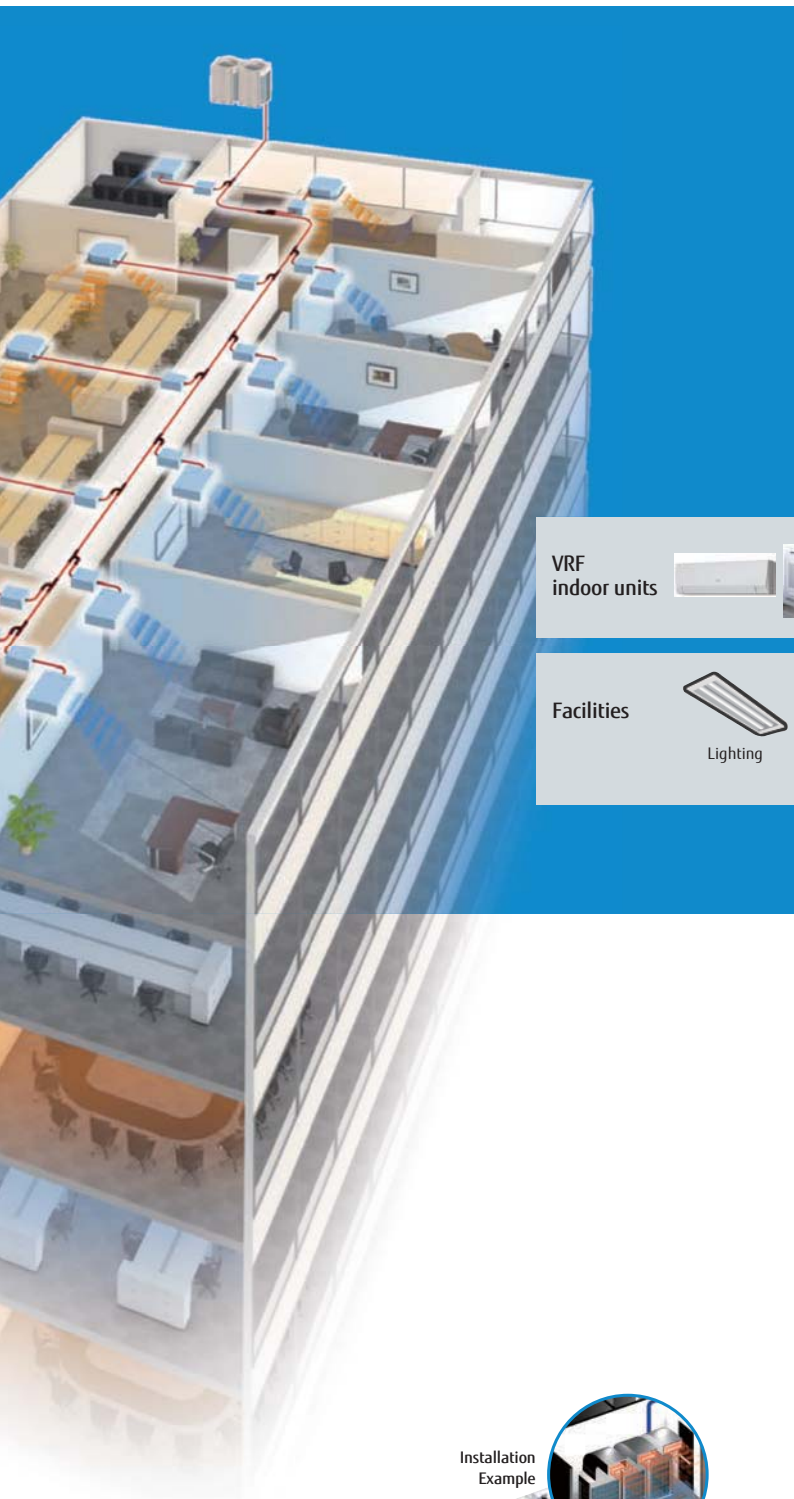
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AIRSTAGE™ V-III

8 HP - 54 HP 39 Models

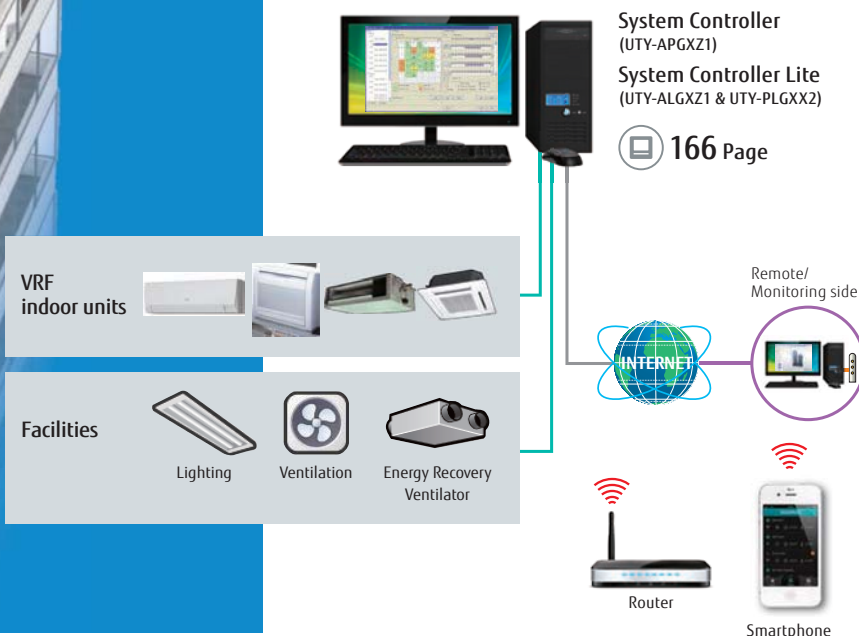
- Space saving combination: 8 HP to 54 HP/24 models
- Energy efficiency combination: 16 HP to 46 HP/ 15 models

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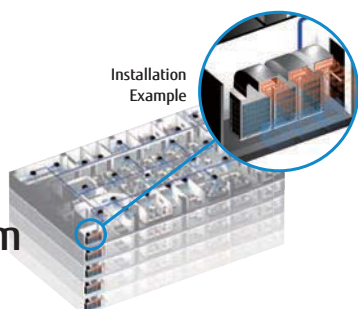
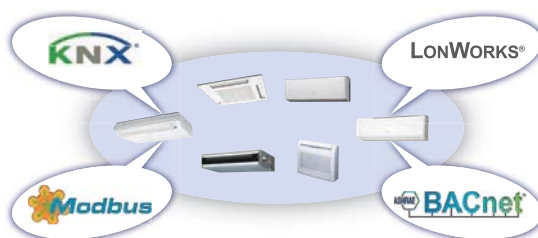
Centralised control

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



Link up with a variety of BMS

Centralised control including facilities and equipment in addition to air conditioning is possible by linking up with MODBUS, BACnet, KNX and other various interfaces.



High system flexibility

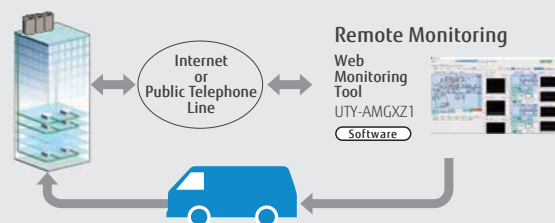
Flexible installation on each floor and installation of diverse indoor units are possible through the industry's top class high static pressure, long piping design and connection capacity.



82 Pa
 *: For V-III series.
 VR-II series are 80 Pa

Rapid service support

The air conditioning of the entire building can be monitored remotely with Web Monitoring Tool and System Controller. Rapid response for emergency is possible by a self-diagnosis in advance in cooperation with a management company.

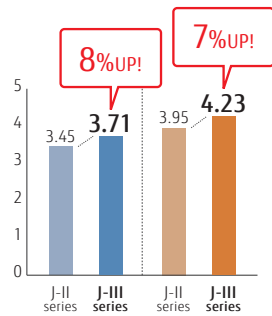


CORE TECHNOLOGY

for AIRSTAGE™ J-Series

High Energy Efficiency

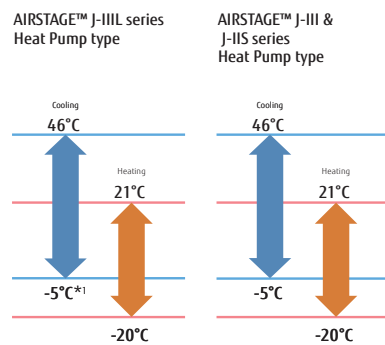
Efficiency is improved significantly by using DC twin rotary compressor, inverter technology, and large heat exchanger



Heat Pump (6 HP)





Wide operating range

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



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

High capacity connection

Series	Connectable indoor unit capacity range	Connectable indoor unit number
 AIRSTAGE™ J-IIIIL series 14/16 HP Heat Pump type	50% to 150%*2	up to 40
 AIRSTAGE™ J-IIIIL series 8/10/12 HP Heat Pump type	50% to 150%*2	up to 30
 AIRSTAGE™ J-III series Heat Pump type	50% to 150%*2	up to 13
 AIRSTAGE™ J-IIS series Heat Pump type	50%*3 to 130%*2	up to 8

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

*3: Only 4 HP is 46%



Designed for low refrigerant charge

Optimal design of indoor unit and outdoor unit reduces the refrigerant volume and special support is not required even when installing in a small room of about 15 m².





Design Flexibility



Top class Compact design

Compact outdoor unit can be attained at the top class in the industry by optimal airflow structure design. (Up to 16 HP)

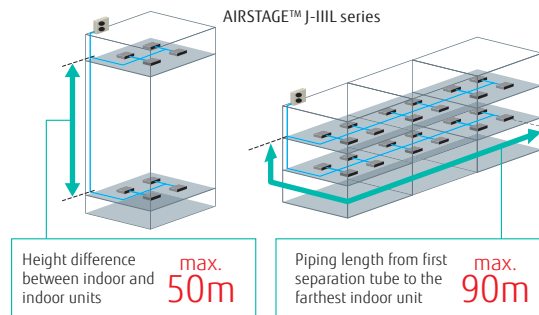


AIRSTAGE™ J-Series Compact Outdoor Unit



Long piping design

Piping design suitable for long, narrow office buildings with a difference in height and low-rise shops with depth (AIRSTAGE™ J-IIIIL series)



More Comfort

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



Auto changeover function

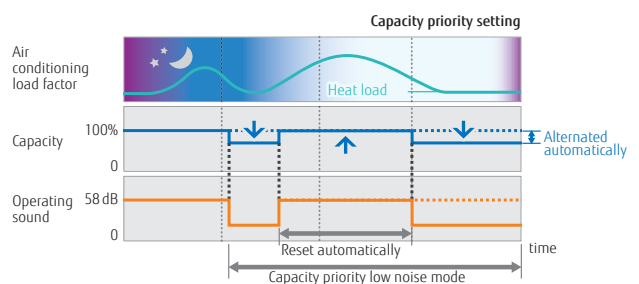
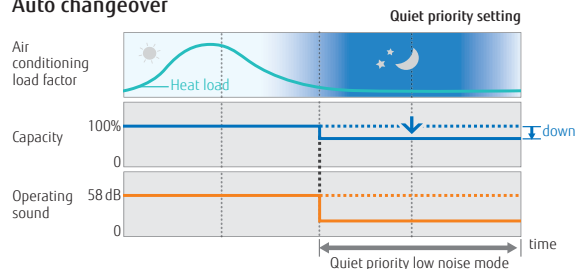
At Auto setting, the cooling/heating mode is automatically switched according to the set temperature and room temperature.



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.

Auto changeover



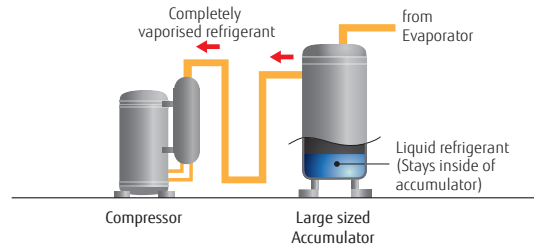
High Reliability



Liquid flow back protection

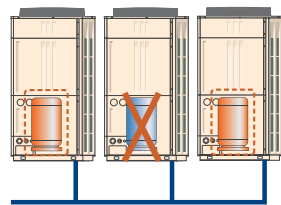
By adopting a large sized accumulator, not completely vapourised refrigerant stays inside of the accumulator to ensure no liquid refrigerant is being fed into the compressor.

Liquid flow back protection



Backup operation*1

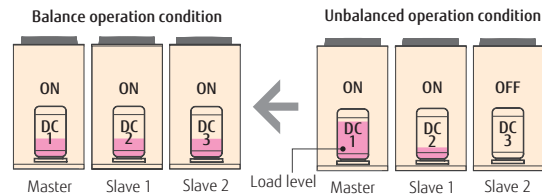
If one compressor fails, backup operation will be performed by the remaining compressors.*2



*1: Not available for AIRSTAGE™ J-III and J-IIS series

Advanced refrigerant control*1

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.



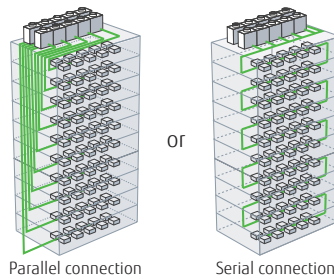
*2: Note: Backup operation may not be possible depending on the fault condition.

Easy Installation



Simple wiring work

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

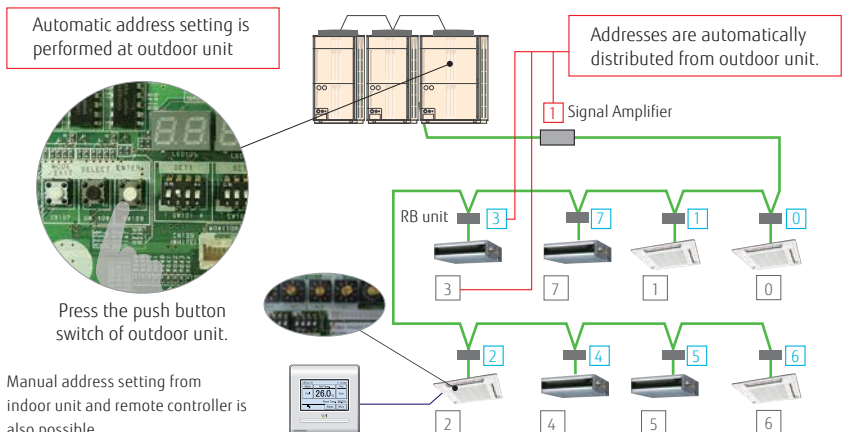


Up to maximum length
3,600 m

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

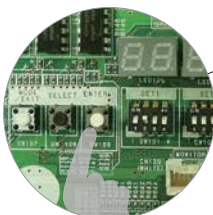
Automatic address setting

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 switch of outdoor unit.

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



Easy Service & Maintenance

Design for easy maintenance

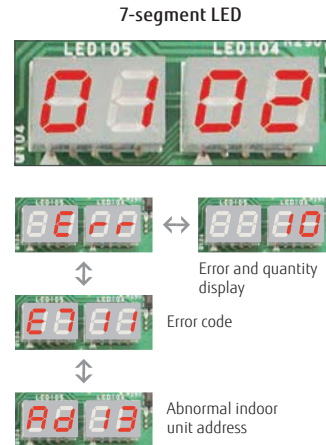
Easy to read 7-segment LED :

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

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

Movable PCB panel:

Easier for maintenance work behind the PCB

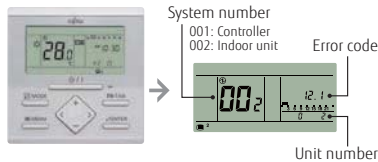


- Error status can be checked easily by outdoor unit display

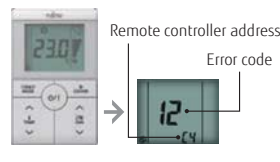
Error status can be checked easily via the indoor unit wired controller

An error code is displayed on a liquid crystal screen.

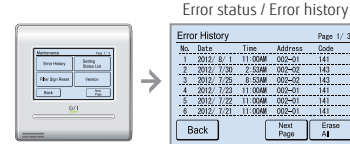
Wired Remote Controller



Simple Remote Controller



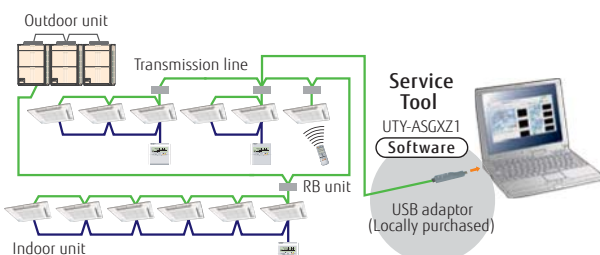
Wired Remote Controller (Touch panel)



Error diagnosis by Service Tool

Connection to Service Tool

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

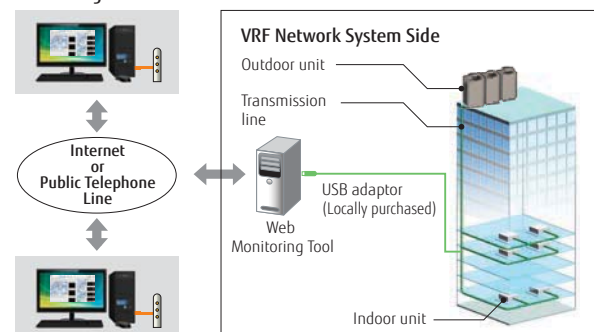


Remote monitoring

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.

Monitoring Side















































PRODUCT LINEUP: VRF

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-IIS Series Page 120														
		AJY040 LCLAH	AJY045 LCLAH	AJY054 LCLAH										
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					
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				

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.



AIRSTAGE™ J-III L

J-III L 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 40* indoor units with newly added 14/16 HP model. 14/16 HP model is also ideal for hospitals and educational facilities with many rooms. (*: 16 HP model)

Slim Outdoor Unit

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

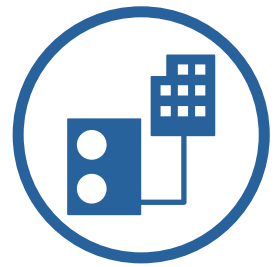
Small room application

Up to 30-40 indoor units can be connected by the optimum heat exchanger structure. Available to various small rooms.

Top Class Low Operating Sound

Top class low sound operation has been achieved. This allows installation of the units in locations without any special sound attenuation work.





AIRSTAGE™ J-III

J-III improves the system with up to 13 indoor units. This model is suitable for small buildings and light commercial applications.

High Energy Efficiency

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

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

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



AIRSTAGE™ J-IIS

J-IIS 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 achieved by ALL-DC technology, large capacity DC twin rotary compressor, and 3-row heat exchanger though the size is compact.

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

Due to compact size design and flexible piping design, J-IIS 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.



AIRSTAGE™ J-III L

NEW

14/16 HP models & 8/10/12 HP models



Fujitsu General provides perfect total 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.

Image: 8/10/12 HP models

Slim & Compact Design

NEW
AIRSTAGE J-III L
14/16 HP model

Current model AIRSTAGE™ V-Series outdoor unit 14/16 HP model

765 mm

480 mm

Depth difference
-285 mm
J-III L all models
Compared with current models

Space area
-45%!
Compared with current 14/16 HP model

Height difference
-262 mm
Compared with current 8 HP model

AIRSTAGE J-III L
8/10/12 HP model

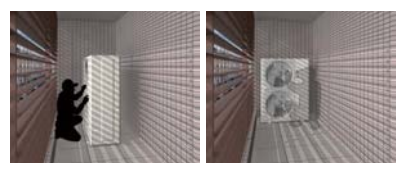
Current model AIRSTAGE™ V-Series outdoor unit 8/10 HP model

1,690 mm

1,428 mm

Space area
-26%!
Compared with current 8/10 HP model

Inhouse installation



AIRSTAGE™ J-Series outdoor unit



AIRSTAGE™ V-Series outdoor unit

Low noise in consideration for the nearby residents
This model is front blow type and about 1000 mm wide, so flexible installation is possible even at narrow inhouse space.

Installation at building side



AIRSTAGE™ J-Series outdoor unit



AIRSTAGE™ V-Series outdoor unit

Space saving
Due to compact and thin model, direct ground installation or wall mounted installation is possible even at narrow off-street.

Installation at the back of the building



AIRSTAGE™ J-Series outdoor unit



AIRSTAGE™ V-Series outdoor unit

Flexible installation
This model is front blow type and slim & low body, so installation space is compact. Building windows are not blocked and space saving multiple units installation is possible.

Heat Pump for Small Capacity Type

AIRSTAGE™ J-IIS

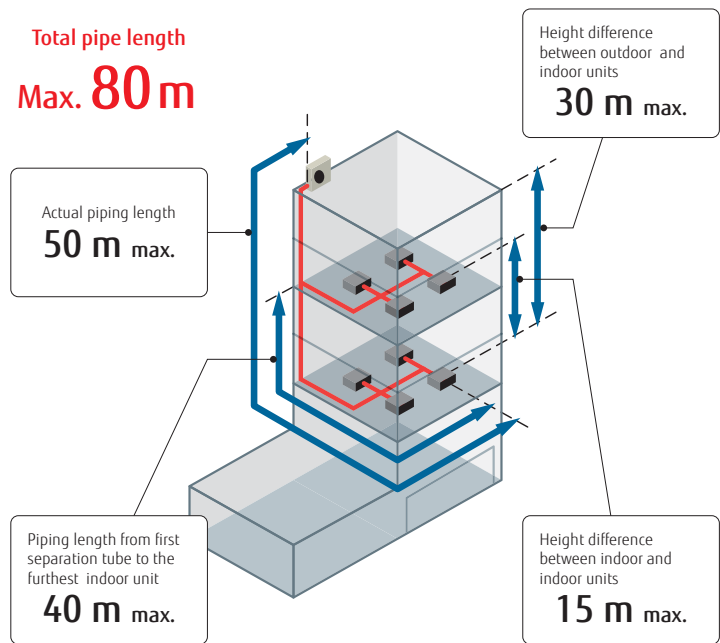


Long piping length

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

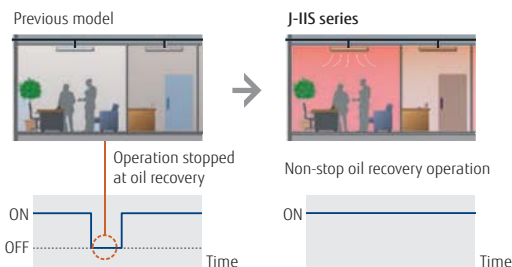


Total pipe length
Max. 80 m



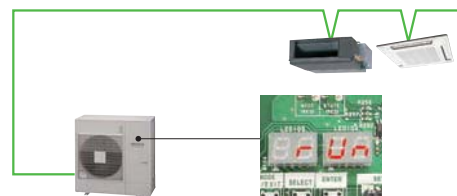
Non-stop oil recovery operation

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
- Duplicated indoor unit addresses can be displayed

4,5,6HP : AJY040LCLAH / AJY045LCLAH / AJY054LCLAH



Specifications

Rating Capacity range		HP	4	5	6
Model name			AJY040LCLAH	AJY045LCLAH	AJY054LCLAH
Maximum Connectable Indoor Unit			7	8	8
Power source			Single-phase, ~230V, 50Hz		
Capacity	Cooling	kW	12.1	14.0	15.1
	Heating		13.6	16.0	16.5
Input power	Cooling	kW	3.44	4.43	5.03
	Heating		3.09	3.93	4.11
EER/SEER (LOT21)	Cooling	W/W	3.52 / 5.81	3.16 / 5.39	3.00 / 5.15
COP/SCOP (LOT21)	Heating	W/W	4.40 / 4.38	4.07 / 3.90	4.01 / 3.82
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	55 / 69	56 / 70
Minimum Recommended MCB		AMP	32	32	32
Net Dimensions	Height	mm	998	998	998
	Width		970	970	970
	Depth		370	370	370
Weight		kg	86	86	87
Refrigerant	Type		R410A	R410A	R410A
	Charge	kg	4.0	4.0	4.0
Connection pipe diameter	Liquid	Inch	3/8	3/8	3/8
	Gas		5/8	5/8	5/8
Total pipe length		m	80	80	80
Max. height difference			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.

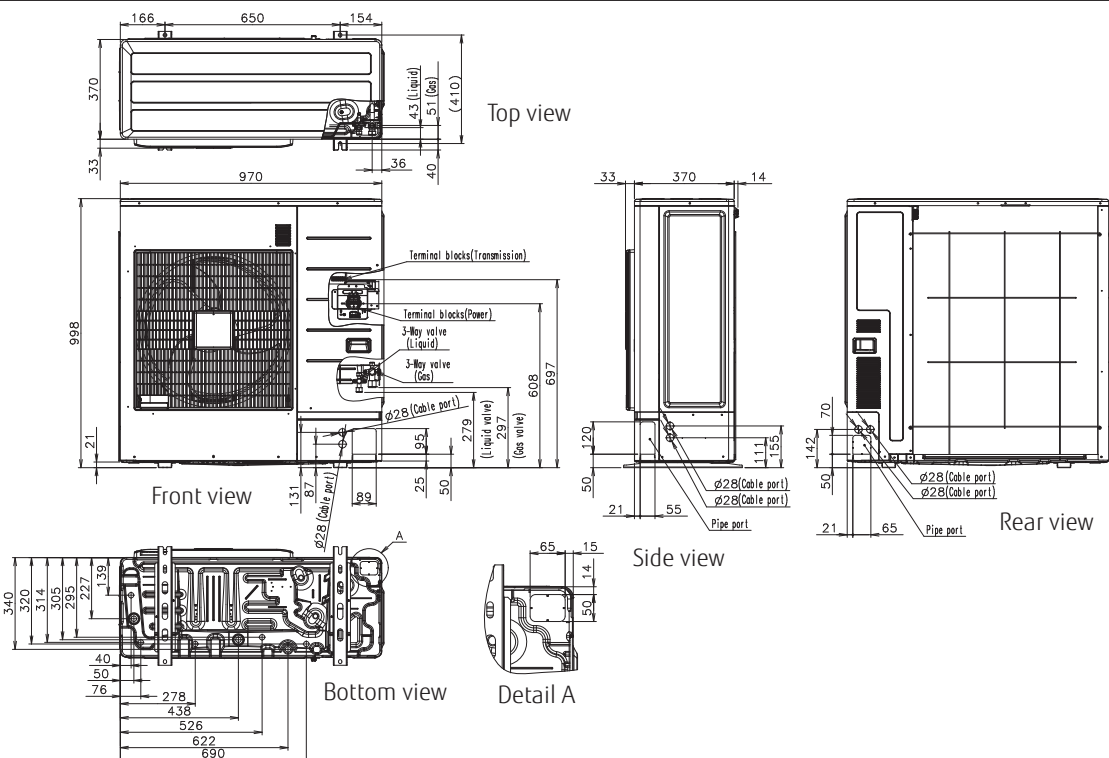
Heating : Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.

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

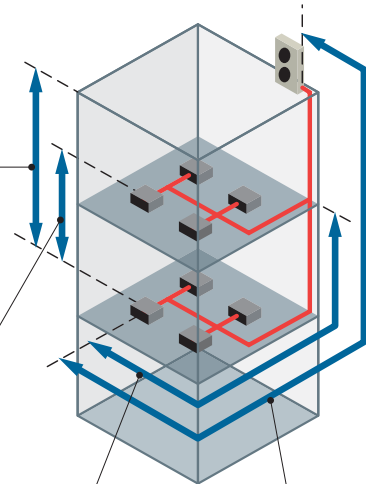
Our advanced refrigerant control technology allows us to achieve a total refrigerant piping length of 180 m. This opens up new possibilities in system design.



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.



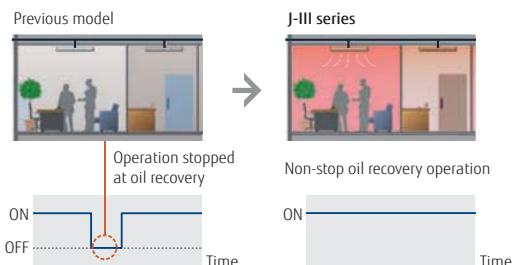
Height difference
between indoor and
indoor units
15 m max.

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

Actual piping length
120 m max.

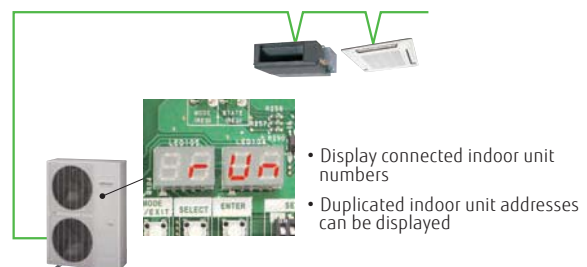
Non-stop oil recovery operation

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.



**4,5,6HP : AJY040LBLAH / AJY045LBLAH / AJY054LBLAH
AJY040LELAH [3phase] / AJY045LELAH [3phase] / AJY054LELAH [3phase]**



Specifications

Rating Capacity range		HP	4	5	6
Model name			AJY040LBLAH	AJY045LBLAH	AJY054LBLAH
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.

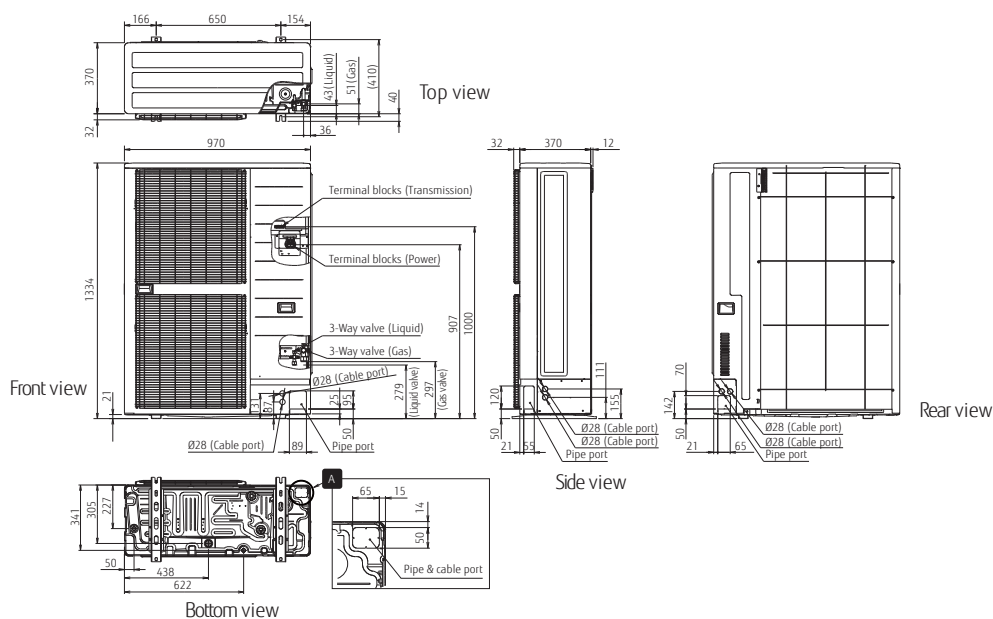
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.

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)



NEW

Heat Pump for Small Capacity Type

AIRSTAGE J-III L

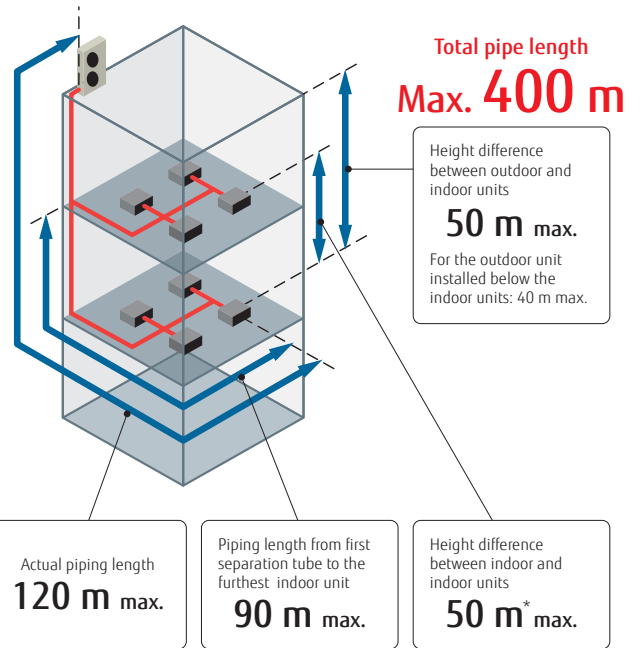
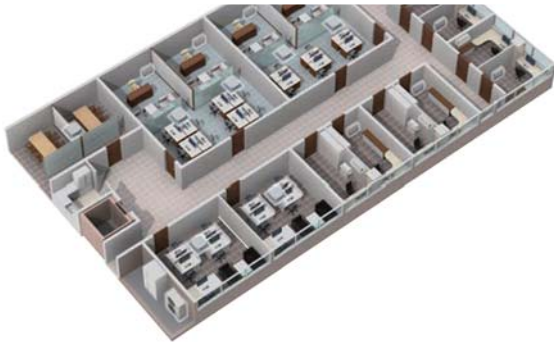


Long Piping Length

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

The combination of the smallest but adequate capacity indoor unit and a new outdoor unit with the optimum efficiency heat exchanger achieves the industry's top class connection of 40 units. *: 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

Top class low operating sound is realised. Highly suited to densely populated areas thanks to their low operating sound.

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
 14,16HP: AJY126LELAH / AJY144LELAH



Specifications

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

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.

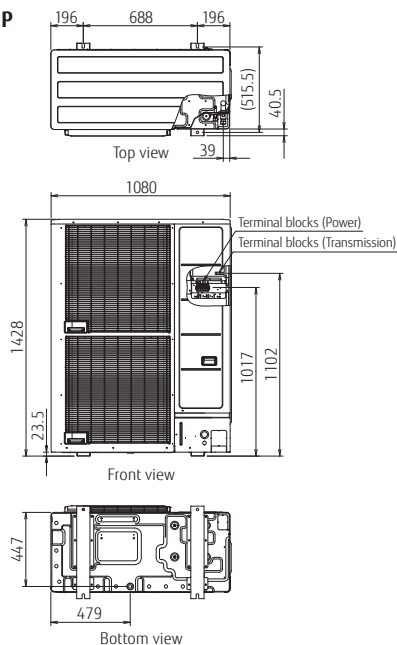
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m.

* 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.

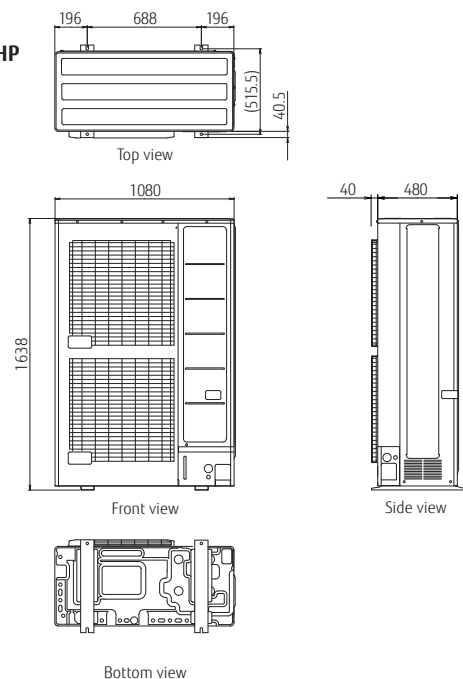
Dimensions

(Unit : mm)

8, 10, 12 HP



14, 16 HP

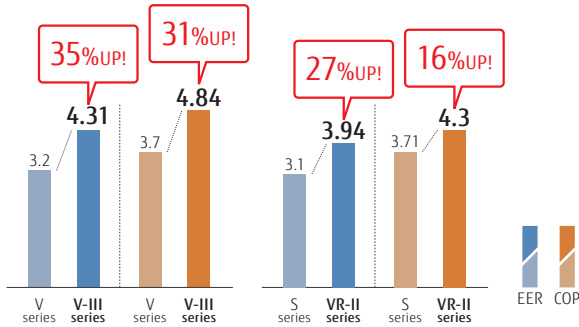


CORE TECHNOLOGY

for AIRSTAGE™ V-Series

High Energy Efficiency

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



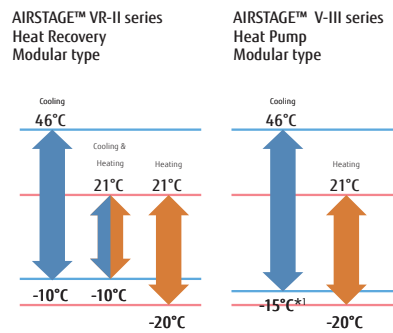
Heat Pump (8 HP)



Heat Recovery (10 HP)

Wide operating range

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



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

High capacity connection

Series	Connectable indoor unit capacity range	Connectable indoor unit number
AIRSTAGE™ VR-II series Heat Recovery Modular type	50% 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 above.

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



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



Energy Saving Function



Economy operation

Economy operation can be set by remote controller. The temperature setting is offset automatically over a certain period of time.



Room temperature set point limitation

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



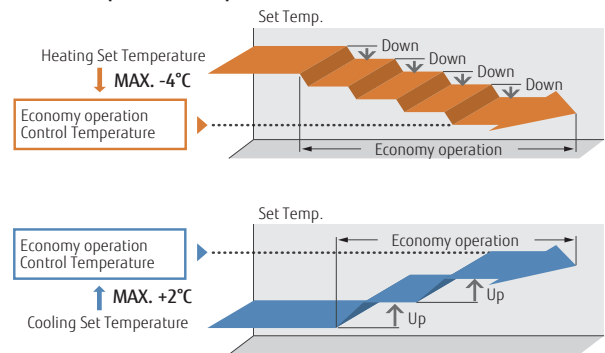
Auto-off timer

- The indoor unit automatically is turned off when it reaches the preset operating time frame.
- The time frame of the "Auto off timer" can be flexibly scheduled.

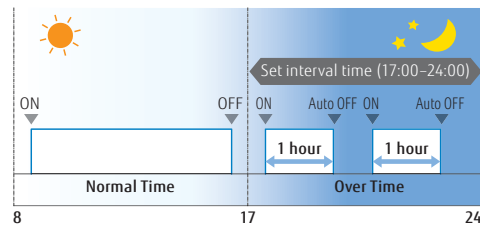
Capacity save operation

Operation capacity can be set in 5 steps for rated capability. The power consumption at peak is cut down and the maximum load is suppressed.

Room temperature set point limitation



Auto-off timer



Design Flexibility

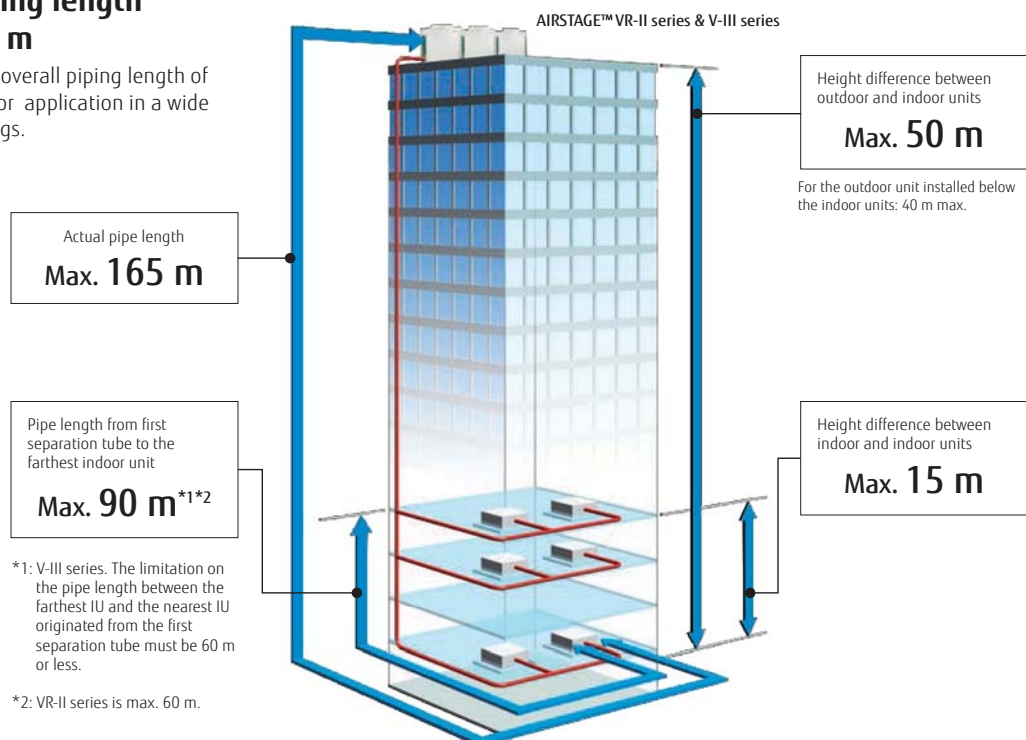


Overall piping length

Max. 1,000 m



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



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.



AIRSTAGE™ VR-II

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 the rooms with large temperature differences, etc.

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.

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 realises the highly energy saving air conditioning for individual cooling and heating operation by all inverter technology for seasonal efficiency.

High design flexibility for various building's 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.



Energy saving technology that boosted operation efficiency



1 Powerful large propeller fan

By using CFD*1 technology, a newly designed fan achieves high performance and low noise operation.

*1. CFD = Computational Fluid Dynamics



2 3 phase DC fan motor

Efficiency is substantially improved by high efficient motor with sophisticated driver control. In addition, low noise is achieved by DC fan motor.



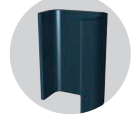
3 Sine-wave DC inverter control

High efficiency is achieved by adoption of reduced switching loss IPM.



4 4-face heat exchanger

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



5 Subcool heat exchanger

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



6 High efficient and large capacity DC inverter compressor

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



7 Front intake port (Corner cut air inlet structure)

In multiple outdoor unit installations, the unique front intake design improves airflow into the Heat Exchanger.

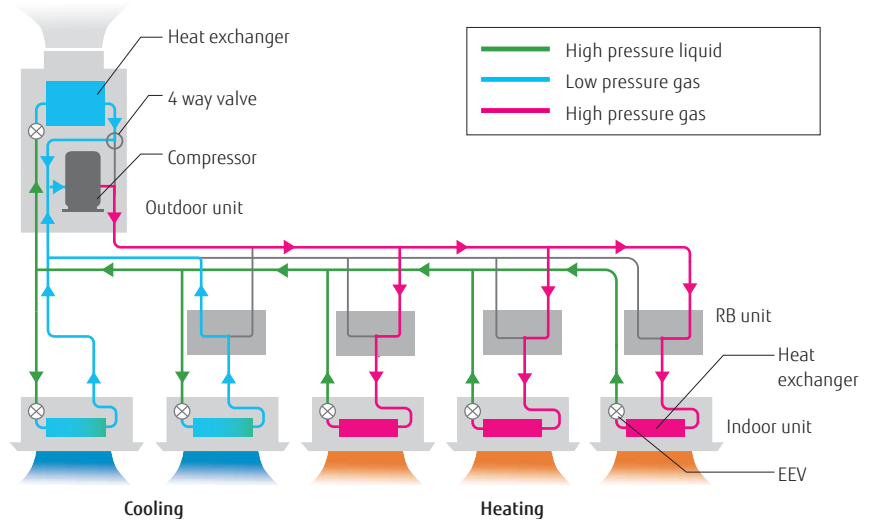


Heat Recovery Modular Type

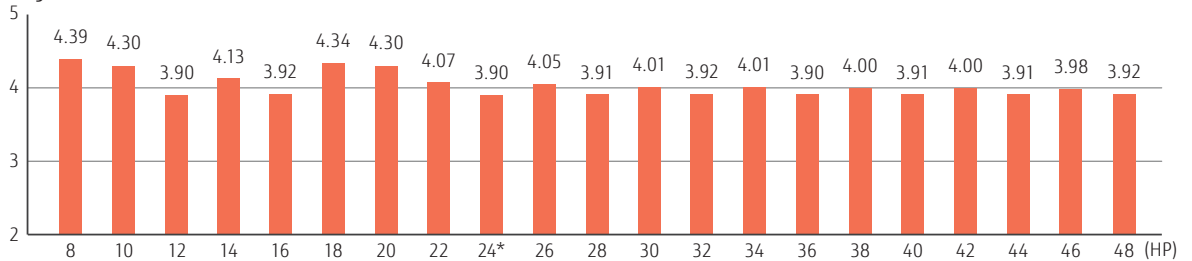
AIRSTAGE VR-II

High Operating Energy Efficiency

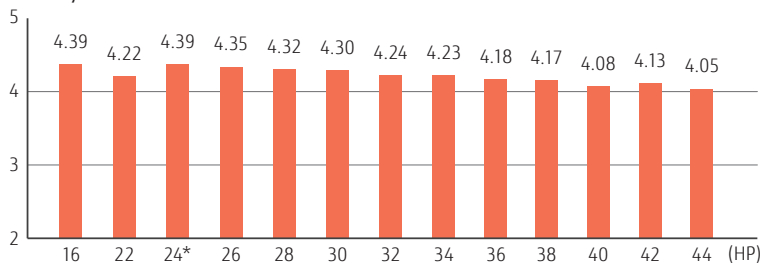
Our Heat recovery systems achieve high operating energy efficiency by drawing heat from the room to be cooled and transferring it as energy for rooms that are to be heated.



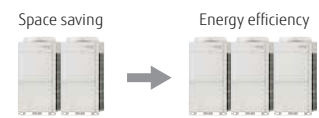
Space saving combination (COP)



Energy efficiency combination (COP)



For 24HP Combination



COP 12.6% UP

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



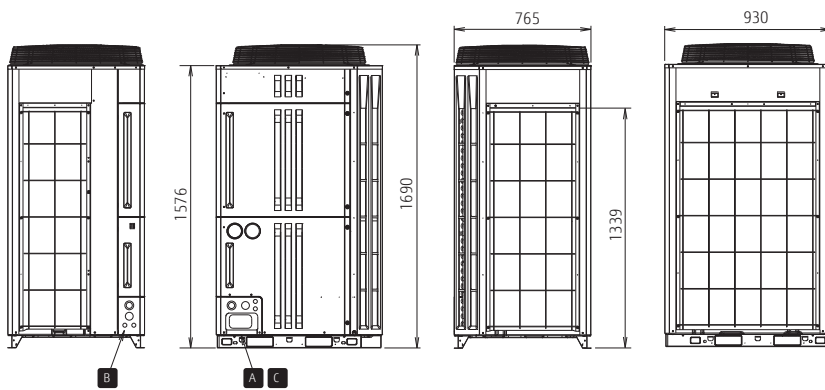
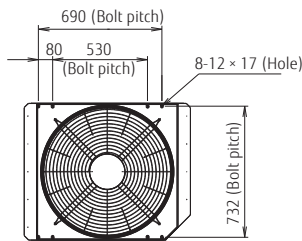
8, 10, 12 HP

14, 16 HP

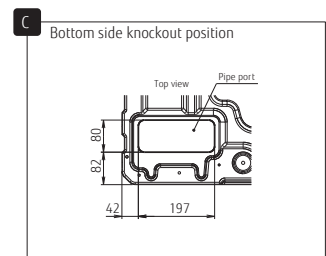
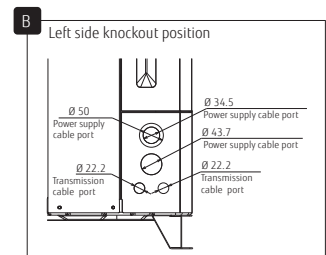
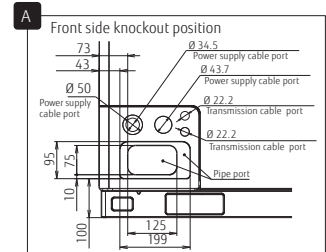
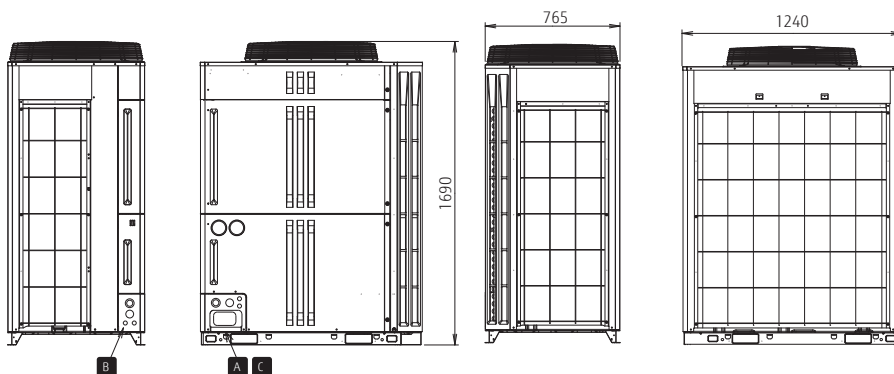
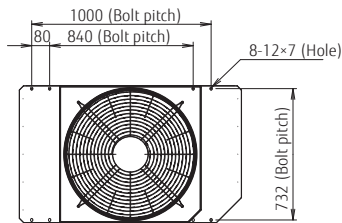
Dimensions

(Unit : mm)

8, 10, 12 HP






14, 16 HP





PRODUCT LINEUP: VRF-AIRSTAGE™ V-Series

Outdoor units specifications

Space Saving Combination

Rating Capacity range		HP	8	10	12	14	16	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 AJYA90GALH 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
AJY144GALH AJYA90GALH	AJY144GALH AJY108GALH	AJY144GALH AJY126GALH	AJY144GALH AJY144GALH	AJY108GALH AJY108GALH AJYA90GALH	AJY108GALH AJY108GALH AJY108GALH	AJY144GALH AJY108GALH AJYA90GALH	AJY144GALH AJY108GALH AJY108GALH	AJY144GALH AJY144GALH AJYA90GALH	AJY144GALH AJY144GALH AJY108GALH	AJY144GALH AJY144GALH AJY126GALH	AJY144GALH AJY144GALH AJY144GALH
39	42	45	48	50	53	57	60	63	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	13,000×2+11,100	13,000×2+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
AJY126GALH AJYA90GALH AJYA72GALH	AJY126GALH AJY126GALH AJYA90GALH	AJY126GALH AJY126GALH AJYA72GALH	AJY126GALH AJY126GALH AJYA90GALH	AJY144GALH AJY126GALH AJYA90GALH	AJY126GALH AJY126GALH AJY126GALH	AJY144GALH AJY126GALH AJY126GALH
48	51	54	57	60	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	65 / 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.

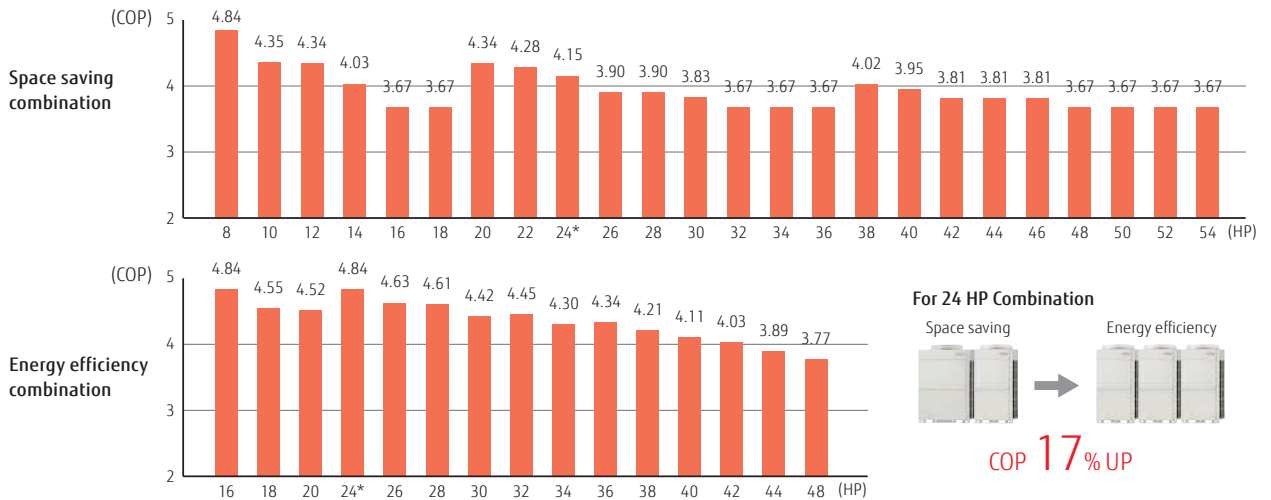
*2: The noise value is the value when measured in an anechoic room. When measured in the actual installed state, surrounding noise and reflections are received and the measured value is usually larger than the indicated value.

Heat Pump Modular Type



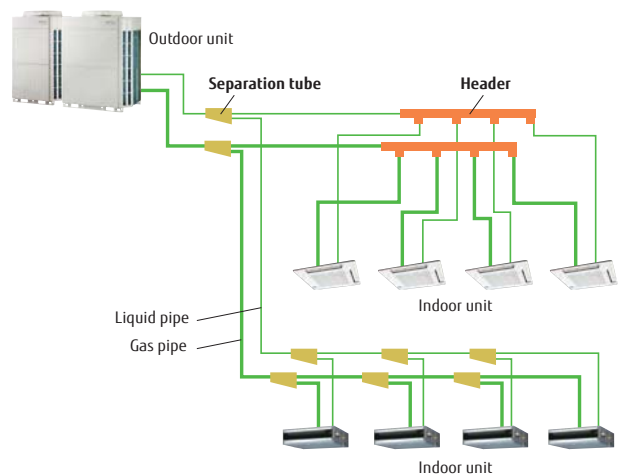
Efficiency in actual operation

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



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

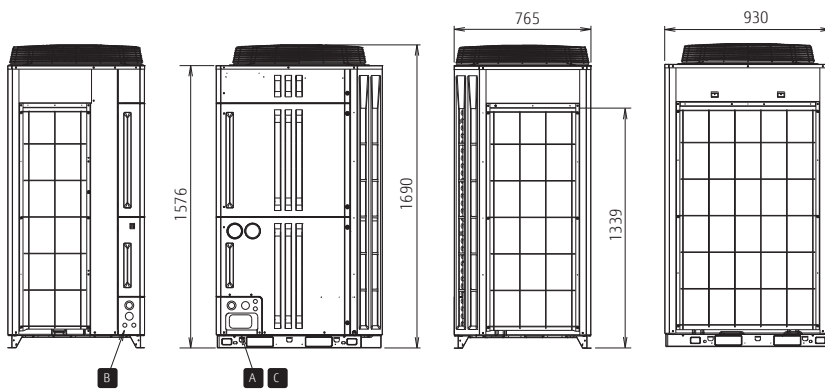
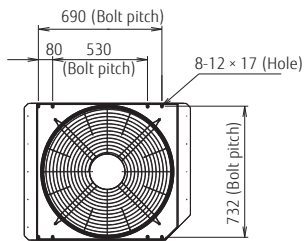


12, 14, 16, 18 HP

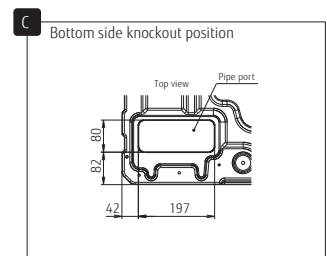
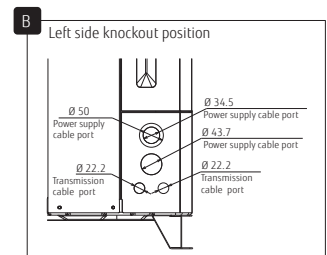
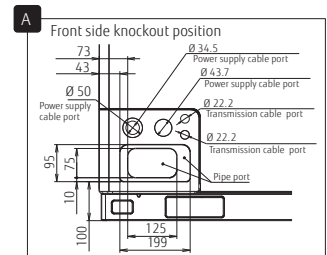
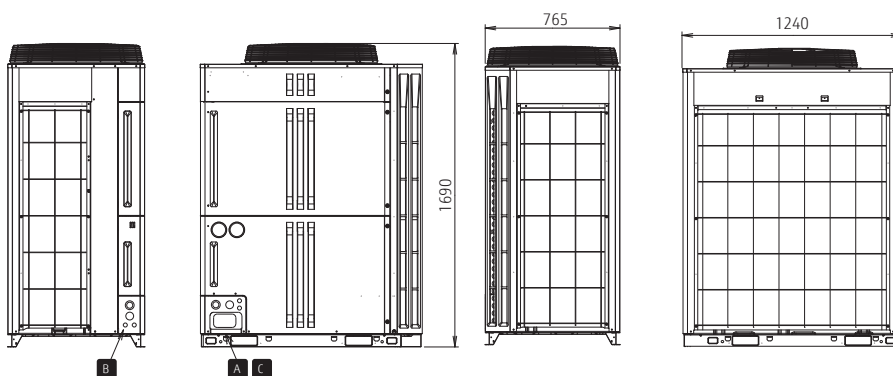
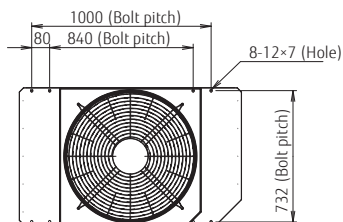
Dimensions

(Unit : mm)

8, 10 HP







12, 14, 16, 18 HP







PRODUCT LINEUP: VRV-AIRSTAGE™ V-Series

Outdoor units 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	m³/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	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


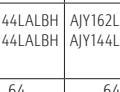
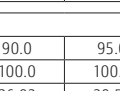
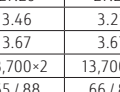
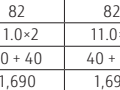
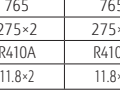
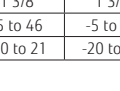


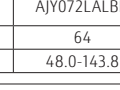
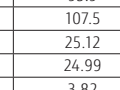
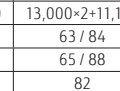
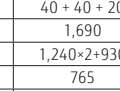
Rating Capacity range		HP	16	18	20	24	26	28	30
									
Set Model name			AJY144LALBHH	AJY162LALBHH	AJY180LALBHH	AJY216LALBHH	AJY234LALBHH	AJY252LALBHH	AJY270LALBHH
Unit 1 Unit 2 Unit 3			AJY072LALBH AJY072LALBH	AJY090LALBH AJY072LALBH	AJY108LALBH AJY072LALBH	AJY072LALBH AJY072LALBH AJY072LALBH	AJY090LALBH 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	m³/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	5/8
	Gas		1 1/8	1 1/8	1 1/8	1 3/8	1 3/8	1 3/8	1 3/8
Operation range	Cooling	°CDB	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46
	Heating		-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21

Note : Specifications are based on the following conditions.



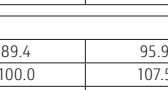
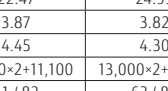
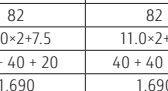
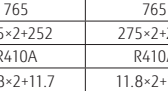

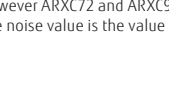
Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.
 Heating : Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.

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

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

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

3-phase 4 wire, 400 V, 50Hz												
85.0	90.0	95.0	100.0	106.0	113.0	118.0	123.0	128.0	135.0	140.0	145.0	150.0
95.0	100.0	100.0	100.0	113.0	126.5	131.5	131.5	131.5	150.0	150.0	150.0	150.0
23.97	26.02	29.57	33.12	31.12	31.25	33.30	36.85	40.40	39.03	42.58	46.13	49.68
24.80	27.26	27.26	27.26	28.13	32.05	34.51	34.51	34.51	40.89	40.89	40.89	40.89
3.55	3.46	3.21	3.02	3.41	3.62	3.54	3.34	3.17	3.46	3.29	3.14	3.02
3.83	3.67	3.67	3.67	4.02	3.95	3.81	3.81	3.81	3.67	3.67	3.67	3.67
13,700+13,000	13,700×2	13,700×2	13,700×2	13,700+11,100×2	13,700+13,000+11,100	13,700×2+11,100	13,700×2+11,100	13,700×2+11,100	13,700×3	13,700×3	13,700×3	13,700×3
64 / 85	65 / 88	66 / 87	66 / 87	65 / 86	65 / 86	66 / 87	66 / 87	67 / 87	67 / 88	67 / 88	67 / 88	68 / 89
66 / 88	67 / 89	67 / 89	67 / 89	66 / 88	67 / 89	68 / 90	68 / 90	68 / 90	69 / 91	69 / 91	69 / 91	69 / 91
82	82	82	82	82	82	82	82	82	82	82	82	82
11.0×2	11.0×2	11.0×2	11.0×2	11.0×7.5×2	11.0×2×7.5	11.0×2×7.5	11.0×2×7.5	11.0×2×7.5	11.0×3	11.0×3	11.0×3	11.0×3
40 + 40	40 + 40	40 + 40	40 + 40	40 + 25 + 25	40 + 40 + 25	40 + 40 + 25	40 + 40 + 25	40 + 40 + 25	40 + 40 + 40	40 + 40 + 40	40 + 40 + 40	40 + 40 + 40
1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690
1,240×2	1,240×2	1,240×2	1,240×2	1,240×930×2	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	275×2+252	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	11.8×2+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	AJY126LALBH	AJY108LALBH	AJY126LALBH	AJY126LALBH	AJY126LALBH	AJY144LALBH	AJY144LALBH	AJY126LALBH	AJY126LALBH	AJY126LALBH	AJY126LALBH	AJY144LALBH	AJY144LALBH	AJY144LALBH	AJY126LALBH
AJY108LALBH	AJY108LALBH	AJY08LALBH	AJY108LALBH	AJY108LALBH	AJY108LALBH	AJY126LALBH	AJY126LALBH	AJY126LALBH	AJY126LALBH	AJY126LALBH	AJY126LALBH	AJY126LALBH	AJY126LALBH	AJY126LALBH	AJY126LALBH
64	64					64	64					64	64	64	64
44.7-134.1	48.0-143.8	50.3-150.7	53.5-160.5	56.8-170.2	60.0-180.0	62.5-187.5	65.0-195.0								
3-phase 4 wire, 400 V, 50Hz															
89.4	95.9	100.5	107.0	113.5	120.0	125.0	130.0								
100.0	107.5	112.5	120.0	127.5	135.0	140.0	145.0								
23.12	25.12	26.88	28.88	30.88	32.88	34.93	36.98								
22.47	24.99	25.95	28.47	30.99	33.51	35.97	38.43								
3.87	3.82	3.74	3.70	3.68	3.65	3.58	3.52								
4.45	4.30	4.34	4.21	4.11	4.03	3.89	3.77								
13,000×2+11,100	13,000×2+11,100	13,000×3	13,000×3	13,000×3	13,000×3	13,700+13,000×2	13,700×2+13,000								
61 / 82	63 / 84	63 / 83	64 / 84	64 / 85	65 / 88	66 / 87	66 / 87								
64 / 87	65 / 88	65 / 88	65 / 88	66 / 88	67 / 89	68 / 90	68 / 90								
82	82	82	82	82	82	82	82								
11.0×2+7.5	11.0×2+7.5	11.0×3	11.0×3	11.0×3	11.0×3	11.0×3	11.0×3								
40 + 40 + 20	40 + 40 + 20	40 + 40 + 40	40 + 40 + 40	40 + 40 + 40	40 + 40 + 40	40 + 40 + 40	40 + 40 + 40								
1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690								
1,240×2+930	1,240×2+930	1,240×3	1,240×3	1,240×3	1,240×3	1,240×3	1,240×3								
765	765	765	765	765	765	765	765								
275×2+252	275×2+252	275×3	275×3	275×3	275×3	275×3	275×3								
R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A								
11.8×2+11.7	11.8×2+11.7	11.8×3	11.8×3	11.8×3	11.8×3	11.8×3	11.8×3								
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4								
1 3/8	1 3/8	1 5/8	1 5/8	1 5/8	1 5/8	1 5/8	1 5/8								
-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46								
-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21								










































*1 Minimum connectable indoor unit number is 2. However ARXC72 and ARXC90 can be used single connection.

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

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

PRODUCT LINEUP: VRF-INDOOR UNITS

VRF Indoor Unit Lineup

Capacity range (kW)		1.1	2.2	2.8	3.6	4.5	5.6
Model code		4	7	9	12	14	18
Cassette	NEW Compact Grid type / Standard type	 AUXB04GALH	 AUXB07GALH	 AUXB09GALH	 AUXB12GALH	 AUXB14GALH	 AUXB18GALH
	4-way Flow Slim type						 AUXD18GALH
	4-way Flow Large type						
	Circular Flow Large type						 AUXK018GLAH
Duct	Mini Duct (With drain pump)		 ARXK07GCLH	 ARXK09GCLH	 ARXK12GCLH		
	Slim Duct (With drain pump)	 ARXD04GALH*1	 ARXD07GALH	 ARXD09GALH	 ARXD12GALH	 ARXD14GALH	 ARXD18GALH
	Medium Static Pressure Duct						
	High Static Pressure Duct						
Floor	Floor (*Same as Ceiling models)				 ABYA12GATH	 ABYA14GATH	 ABYA18GATH
	Slim Concealed Floor (*Same as Slim Duct models)	 ARXD04GALH*1	 ARXD07GALH	 ARXD09GALH	 ARXD12GALH	 ARXD14GALH	 ARXD18GALH
	Compact Floor		 AGYA007GCAH	 AGYA009GCAH	 AGYA012GCAH	 AGYA014GCAH	
Ceiling				 ABYA12GATH	 ABYA14GATH	 ABYA18GATH	
Wall Mounted	Wall Mounted	 ASYA04GACH	 ASYA07GACH	 ASYA09GACH	 ASYA12GACH	 ASYA14GACH	
	Wall Mounted (EEV external)	 ASYE04GACH	 ASYE07GACH	 ASYE09GACH	 ASYE12GACH	 ASYE14GACH	
	Wall Mounted	 ASYA004GTAH	 ASYA007GTAH	 ASYA009GTAH	NEW  ASYA012GCAH	NEW  ASYA014GCAH	 ASYA18GBCH
With this model, connection of EV Kit is necessary.							

7.1 24	9.0 30	10.0 34	11.2 36	12.5 45	14.0 54	18.0 60	22.4 72	25.0 90	28.0 96
 AUXB24GALH									
 AUXD24GALH									
	 AUXA30GALH		 AUXA36GALH	 AUXA45GALH	 AUXA54GALH				
 AUXK024GLAH	 AUXK030GLAH		 AUXK036GLAH	 AUXK045GLAH	 AUXK054GLAH				
 ARXD24GALH									
 ARXA24GBLH	 ARXA30GBLH		 ARXA36GBLH	 ARXA45GBLH					
			 ARXC36GBTH	 ARXC45GATH		 ARXC60GATH*2	 ARXC72GBTH*2	 ARXC90GBTH*2	 ARXC96GATH*2
 ABYA24GATH									
 ARXD24GALH									
 ABYA24GATH	 ABYA30GATH		 ABYA36GATH	 ABYA45GATH	 ABYA54GATH				
 ASYA24GBCH	 ASYA030GTAH	 ASYA034GTAH							

*1: ARXD04GALH and AUXA18/24GALH cannot be connected to J-III L series. *2: ARXC60/72/90/96G can be connected to J-III L series only.
*3: Large Airflow Duct (Compact type) can be connected to J-III L series only. *4: Large Airflow Duct can be connected to V-III series and VR-II series.

NEW

Compact Cassette Grille

Compact & Comfort

Model:
AUXB04GALH / AUXB07GALH/
AUXB09GALH / AUXB12GALH/
AUXB14GALH / AUXB18GALH/
AUXB24GALH

Panel Model:
UTGUFYEW



Compact and stylish panel design

Compact and stylish panel design fits the grid type ceiling. It is a linear design suitable for grid shape of 600 mm × 600 mm grid ceiling.



Flexible installation

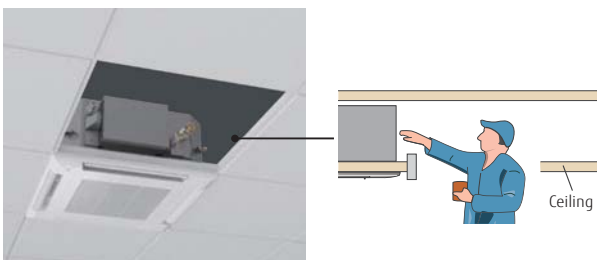
It is suitable for ceiling of grid type and it has high degree of freedom of installation and it can be installed beside lighting and ventilation opening.



Easy maintenance

Maintenance is easier by removing the ceiling panel next to the grille, maintenance can be done, and new installation of inspection hole is unnecessary, so construction costs can be minimised.

The air inlet grille can be installed in various directions, so maintenance is easy.



NEW

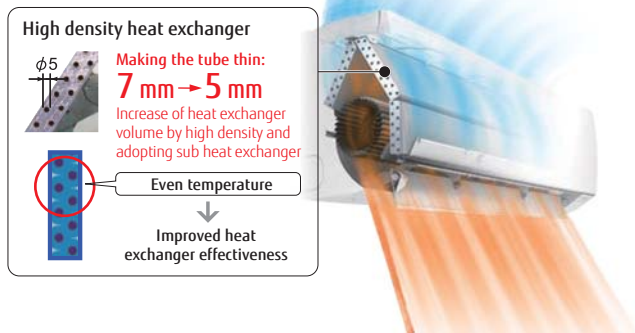
Wall Mounted

Compact & Comfort

Model:
ASYA012GCAH / ASYA014GCAH
(EEV Internal)

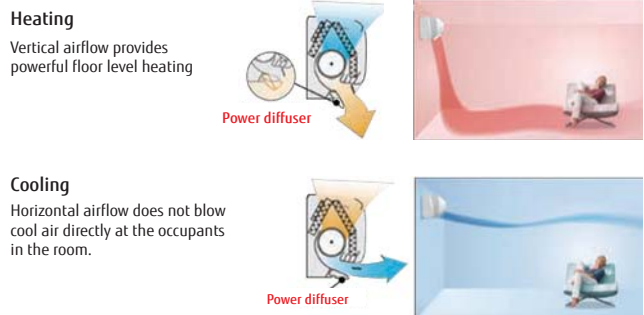
High efficient compact design

High efficient compact design is achieved by mounting a high density and large heat exchanger. Compact body makes it possible to install inconspicuously even in a meeting or office room and comfortable air conditioning is provided.



More comfort airflow

Comfortable air conditioning is provided by mounting our unique power diffuser.

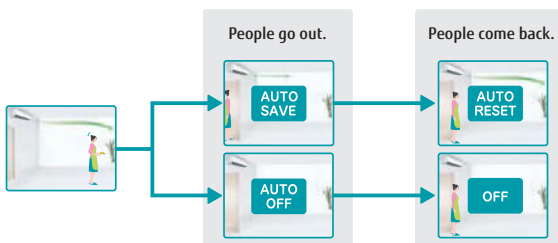


Human sensor increases more energy saving

Energy saving operation starts automatically by detecting the motion of a person. 2 modes of save operation mode and stop mode can be selected.



Human sensor



6 Fan Speed Control

Multistep airflow control is possible to suit the environment.

Fan speed	Low noise
Quiet	24 dB(A)



* Compatible Remote Controller is as follows:
UTY-RNRY22 / UTY-RLRY / UTY-RSRY / UTY-RHRY / UTY-DCGY / UTY-DTGY21 / UTY-ALGX / UTY-APGX

VRF Indoor Units Specifications



Compact Cassette



Model name		AUXB04GALH	AUXB07GALH	AUXB09GALH	AUXB12GALH	AUXB14GALH	AUXB18GALH	AUXB24GALH
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	540	550	600	680	710	1,030
	Med	420/450*1	450	450	530	590	580	830
	Low	300/350*1	350	350	390	390	400	450
Sound pressure level	High	34	34	35	37	38	41	50
	Med	28/30*1	30	30	34	34	35	44
	Low	21/25*1	25	25	27	27	27	30
Net Dimensions (H × W × D)		mm 245 × 570 × 570						
Weight		kg 15 (Grille 2.5/2.6)						
Connection pipe diameter	Liquid (Flare)	Inch 1/4						
	Gas (Flare)	Inch 1/2						
Cassette Grille	Model name	UTGUFYEW / UTGUFYCW						
Net Dimensions (H×W×D)		mm 49 × 620 × 620 / 50 × 700 × 700						

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.

4-way Cassette



Model name		AUXD18GALH	AUXD24GALH	AUXA30GALH	AUXA36GALH	AUXA45GALH	AUXA54GALH
Power source		Single-phase, ~230V, 50Hz					
Capacity	UK Total Cooling	4.20	5.30	6.70	8.30	9.30	10.40
	UK Sensible Cooling	3.90	4.80	6.00	7.10	7.70	8.40
	UK Heating	5.90	7.40	9.30	11.60	13.00	14.90
	Nominal Cooling	5.60	7.10	9.00	11.20	12.50	14.00
	Nominal Heating	6.30	8.00	10.00	12.50	14.00	16.00
Input power	W	39	46	59	80	99	119
Airflow rate	High	1,150	1,280	1,600	1,800	1,900	2,000
	Med	940	1,040	1,300	1,300	1,370	1,370
	Low	870	870	1,100	1,100	1,100	1,100
Sound pressure level	High	36	38	40	44	46	47
	Med	30	33	38	38	39	39
	Low	29	29	33	33	33	33
Net Dimensions (H × W × D)		mm 246 × 840 × 840 (Grille 50 × 950 × 950)			mm 288 × 840 × 840 (Grille 50 × 950 × 950)		
Weight		kg 22 (Grille 5.5)			kg 27 (Grille 5.5)		
Connection pipe diameter	Liquid (Flare)	Inch 5/8			Inch 3/8		
	Gas (Flare)	Inch 5/8			Inch 3/4		
Cassette Grille	Model name	UTGUGYAW					

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].

Circular Flow Cassette



Model name		AUXK018GLAH	AUXK024GLAH	AUXK030GLAH	AUXK036GLAH	AUXK045GLAH	AUXK054GLAH
Power source		Single-phase, ~230V, 50Hz					
Capacity	UK Total Cooling	4.20	5.30	6.70	8.30	9.30	10.40
	UK Sensible Cooling	3.30	4.40	5.30	6.70	7.60	8.70
	UK Heating	5.90	7.40	9.30	11.60	13.00	14.90
	Nominal Cooling	5.60	7.10	9.00	11.20	12.50	14.00
	Nominal Heating	6.30	8.00	10.00	12.50	14.00	16.00
Input power	W	40	40	47	61	89	116
Airflow rate	High	1,420	1,420	1,440	1,620	1,820	2,040
	Med-H	1,360	1,360	1,440	1,500	1,590	1,800
	Med	1,300	1,300	1,340	1,400	1,500	1,590
	Med-L	1,270	1,270	1,300	1,400	1,400	1,440
	Low	1,200	1,200	1,280	1,280	1,300	1,300
Sound pressure level	Quiet	1,150	1,150	1,150	1,150	1,150	1,150
	High	38	38	39	41	44	47
	Med-H	37	37	38	40	42	45
	Med	36	36	37	38	40	42
	Med-L	35	35	36	37	38	39
	Low	34	34	35	36	36	36
Quiet	33	33	33	33	33	33	
Net Dimensions (H × W × D)		mm 288 × 840 × 840 (Grille 53 × 950 × 950)					
Weight		kg 26.5 (Grille 6.0)					
Connection pipe diameter	Liquid (Flare)	Inch 1/4					
	Gas (Flare)	Inch 1/2					
Cassette Grille	Model name	UTGUKYCW					

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*018GLAH is connected to the outdoor unit other than J-III, pipe diameter should be Ø9.52/Ø15.88 (Liq/Gas)
 When AUXK036GLAH, AUXK045GLAH, and AUXK054GLAH are connected to the outdoor unit other than J-III, gas pipe diameter should be Ø19.05.

PRODUCT LINEUP: VRF

VRF Indoor Units Specifications

Bulkhead Duct



Model name		ARXK07GCLH		ARXK09GCLH		ARXK12GCLH	
Power source		Single-phase, ~230V, 50Hz					
Capacity	UK Total Cooling	kW	1.60	2.10	2.70	3.30	4.20
	UK Sensible Cooling		1.50	1.80	2.30	2.90	3.50
	UK Heating		2.60	3.00	3.70	4.70	5.90
	Nominal Cooling		2.20	2.80	3.60	4.50	5.60
	Nominal Heating		2.80	3.20	4.00	5.00	6.30
Input power		W	28	28	28	35	40
Airflow rate	High	m³/h	460	460	460	550	550
	Med		420	420	420	480	480
	Low		370	370	370	410	410
Static pressure range		Pa	0 to 30				
Standard static pressure			10				
Sound pressure level	High	dB(A)	26	26	26	29	29
	Med		24	24	24	26	26
	Low		22	22	22	24	24
Net Dimensions (H × W × D)		mm	198 × 700 × 450				
Weight		kg	15.5			16	
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].

Slim Duct / Slim Concealed Floor



Model name		ARXD04GALH	ARXD07GALH	ARXD09GALH	ARXD12GALH	ARXD14GALH	ARXD18GALH	ARXD24GALH	
Power source		Single-phase, ~230V, 50Hz							
Capacity	UK Total Cooling	kW	0.80	1.60	2.10	2.70	3.30	4.20	5.30
	UK Sensible Cooling		0.70	1.50	1.80	2.30	2.90	3.50	4.90
	UK Heating		1.20	2.60	3.00	3.70	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	4.00	5.00	6.30	8.00
Input power		W	40	44	50	54	92	83	122
Airflow rate	High	m³/h	510	550	600	600	800	940	1,330
	Med		400/470*1	490	550	510	710	840	1,240
	Low		320/440*1	440	480	450	610	750	1,100
Static pressure range		Pa	0 to 90	0 to 90	0 to 90	0 to 90	0 to 90	0 to 90	0 to 50
Standard static pressure			25						
Sound pressure level	High	dB(A)	26	28	29	30	34	34	35
	Med		21/25*1	25	26	27	32	32	32
	Low		20/22*1	22	24	24	28	28	29
Net Dimensions (H × W × D)		mm	198 × 700 × 620				198 × 900 × 620		198 × 1,100 × 620
Weight		kg	17			18		26	
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].
 *1: This value is under cooling operation.

Medium Static Pressure Duct



Model name		ARXA24GBLH	ARXA30GBLH	ARXA36GBLH	ARXA45GBLH	
Power source		Single-phase, ~230V, 50Hz				
Capacity	UK Total Cooling	kW	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	m³/h	1,280	1,410	1,840	1,970
	Med		990	1,280	1,600	1,860
	Low		840	1,150	1,470	1,640
Static pressure range		Pa	0 to 150	0 to 150	0 to 150	0 to 150
Standard static pressure			40			
Sound pressure level	High	dB(A)	31	34	37	41
	Med		27	32	35	38
	Low		23	29	33	36
Net Dimensions (H × W × D)		mm	270 × 1,135 × 700			
Weight		kg	36		40	
Connection pipe diameter	Liquid (Flare)	Inch	5/8		3/8	
	Gas (Flare)		3/4		3/4	

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].

High Static Pressure Duct



Model name		ARXC36GBTH	ARXC45GATH	ARXC60GATH*	ARXC72GBTH	ARXC90GATH	ARXC96GATH	
Power source		Single-phase, ~230V, 50Hz						
Capacity	UK Total Cooling	kW	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	m³/h	1,990	3,500	3,500	3,900	4,300	4,850
	Med		1,680	3,000	3,000	3,300	4,000	4,250
	Low		1,330	2,460	2,460	3,000	3,500	3,600
Static pressure range		Pa	0 to 200	100 to 250	100 to 250	0 to 300	0 to 300	0 to 300
Standard static pressure			100	100	100	150	150	150
Sound pressure level	High	dB(A)	42	49	49	47	48	48
	Med		36	45	45	43	46	45
	Low		32	42	42	40	44	42
Net Dimensions (H × W × D)		mm	400 × 1,050 × 500			450 × 1,587 × 700		550 × 1,587 × 700
Weight		kg	40	46		84		105
Connection pipe diameter	Liquid	inch	3/8 (Flare)			1/2 (Brazing)		
	Gas		3/4 (Flare)			7/8 (Brazing)		

Note : Specifications are based on the following conditions.

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

Floor/Ceiling



Model name		ABYA12GATH	ABYA14GATH	ABYA18GATH	ABYA24GATH	
Power source		Single-phase, ~230V, 50Hz				
Capacity	UK Total Cooling	kW	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	m³/h	660	780	1,000	1,000
	Med		570	640	720	820
	Low		490	550	580	680
Sound pressure level	High	dB(A)	36	40	46	47
	Med		32	36	39	42
	Low		28	34	35	37
Net Dimensions (H × W × D)		mm	199 × 990 × 655			
Weight		kg	25	26	26	27
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].

Ceiling



Model name		ABYA30GATH	ABYA36GATH	ABYA45GATH	ABYA54GATH	
Power source		Single-phase, ~230V, 50Hz				
Capacity	UK Total Cooling	kW	6.70	8.30	9.30	10.40
	UK Sensible Cooling		6.10	6.90	7.90	8.90
	UK Heating		9.30	11.60	13.00	14.90
	Nominal Cooling		9.00	11.20	12.50	14.00
	Nominal Heating		10.00	12.50	14.00	16.00
Input power	W	66	85	131	180	
Airflow rate	High	m³/h	1,630	1,690	2,010	2,270
	Med		1,370	1,400	1,600	1,780
	Low		1,140	1,170	1,230	1,280
Sound pressure level	High	dB(A)	42	45	48	51
	Med		38	38	42	45
	Low		33	34	35	36
Net Dimensions (H × W × D)		mm	240 × 1,660 × 700			
Weight		kg	46	48		
Connection pipe diameter	Liquid (Flare)	Inch	3/8		3/8	
	Gas (Flare)		5/8		3/4	

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].

PRODUCT LINEUP: VRF

VRF Indoor Units Specifications



Compact Floor

Model name		AGYA007GCAH	AGYA009GCAH	AGYA012GCAH	AGYA014GCAH	
Power source		Single-phase, ~230V, 50Hz				
Capacity	UK Total Cooling	kW	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	m³/h	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	dB(A)	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	15			
Connection pipe diameter	Liquid (Flare)	Inch	1/4		1/2	
	Gas (Flare)		3/8			

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 AGY*004GCAH, AGY*007GCAH, and AGY*009GCAH are connected to the outdoor unit other than J-III, gas pipe diameter should be Ø12.70.

Wall Mounted



Model name		ASYA04GACH	ASYA07GACH	ASYA09GACH	ASYA12GACH	ASYA14GACH	ASYE04GACH	ASYE07GACH	ASYE09GACH	ASYE12GACH	ASYE14GACH	
Power source		Single-phase, ~230V, 50Hz										
Capacity	UK Total Cooling	kW	0.80	1.60	2.10	2.70	3.30	0.80	1.60	2.10	2.70	3.30
	UK Sensible Cooling		0.70	1.60	1.90	2.30	2.80	0.70	1.60	1.90	2.30	2.80
	UK Heating		1.20	2.60	3.00	3.80	4.70	1.20	2.60	3.00	3.80	4.70
	Nominal Cooling		1.10	2.20	2.80	3.60	4.50	1.10	2.20	2.80	3.60	4.50
	Nominal Heating		1.30	2.80	3.20	4.10	5.00	1.30	2.80	3.20	4.10	5.00
Input power		W	13	17	18	22	34	12	15	16	21	34
Airflow rate	High	m³/h	450	490	500	560	670	450	490	500	560	680
	Med		370/440 htg/dlg*1	450	450	480	490	370/440 htg/dlg*1	450	450	480	490
	Low		320/420 htg/dlg*1	370/420 htg/dlg*1	370/420 htg/dlg*1	420	420	300/420 htg/dlg*1	370/420 htg/dlg*1	370/420 htg/dlg*1	420	420
Sound pressure level	High	dB(A)	33	35	36	39	44	32	34	35	38	43
	Med		27/32 htg/dlg*1	33	33	35	37	26/31 htg/dlg*1	32	32	34	35
	Low		22/31 htg/dlg*1	27/31 htg/dlg*1	27/31 htg/dlg*1	31	32	19/30 htg/dlg*1	26/30 htg/dlg*1	26/30 htg/dlg*1	30	30
Net Dimensions (H × W × D)		mm	275 x 790 x 215					275 x 790 x 215				
Weight		kg	9					9				
Connection pipe diameter	Liquid (Flare)	Inch	1/4					1/4				
	Gas (Flare)		1/2					1/2				
EV Kit (option)			-					UTREV09XB			UTREV14XB	

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.

Wall Mounted



Model name		ASYA007GTAH	ASYA009GTAH	ASYA18GBCH	ASYA24GBCH	ASYA030GTAH	ASYA034GTAH	
Power source		Single-phase, ~230V, 50Hz						
Capacity	UK Total Cooling	kW	1.60	2.10	4.20	5.30	6.70	7.40
	UK Sensible Cooling		1.60	1.90	3.90	4.80	5.70	6.50
	UK Heating		2.60	3.00	5.90	7.40	9.30	10.40
	Nominal Cooling		2.20	2.80	5.60	7.10	9.00	10.00
	Nominal Heating		2.80	3.20	6.30	8.00	10.00	11.20
Input power		W	19	34	32	60	74	103
Airflow rate	High	m³/h	550	720	840	1,100	1,440	1,620 / 1,520
	Med-H		460	570	-	-	1,200	1,300
	Med		420	500	770	910	1,050	1,120
	Med-L		390	410	-	-	940	980
	Low		360	360	690	730	890	890
	Quiet		330	330	-	-	700	700
Sound pressure level	High	dB(A)	35	43	41	48	53	55 / 54
	Med-H		32	38	-	-	49	51
	Med		30	34	39	43	45	47
	Med-L		27	29	-	-	42	43
	Low		24	24	35	35	39	39
	Quiet		22	22	-	-	33	33
Net Dimensions (H × W × D)		mm	262 x 820 x 206		320 x 998 x 238		340 x 1,150 x 280	
Weight		kg	7.5		15		18	
Connection pipe diameter	Liquid (Flare)	Inch	1/4		3/8		3/8	
	Gas (Flare)		3/8		1/2		58	

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*004GTAH, ASY*007GTAH, ASY*009GTAH are connected to the outdoor unit other than J-III, gas pipe diameter should be Ø12.70.

Wall Mounted

NEW



Model name			ASYA012GCAH	ASYA014GCAH
Power source			Single-phase, ~230V, 50Hz	
Capacity	UK Total Cooling		2.70	3.00
	UK Sensible Cooling		2.30	2.70
	UK Heating		3.70	4.20
	Nominal Cooling	kW	3.60	4.00
	Nominal Heating		4.00	4.50
Input power			25	36
Airflow rate	High	m ³ /h	690	800
	Med-H		610	740
	Med		560	680
	Med-L		530	610
	Low		470	550
	Quiet		330	330
Sound pressure level	High	dB(A)	40	44
	Med-H		37	42
	Med		35	40
	Med-L		33	37
	Low		30	34
	Quiet		24	24
Net Dimensions (H × W × D)			268 × 840 × 203	
Weight			8.5	8.5
Connection pipe diameter	Liquid (Flare)		6.35	
	Gas (Flare)		9.52	

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].

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