

COMMERCIAL

- 096 SOLUTIONS
- 098 CORE TECHNOLOGY

LARGE VRF **AIRSTAGE™**

- 104 PRODUCT LINEUP LARGE VRF Outdoor Units
- 106 AIRSTAGE™ VR-II
- 114 AIRSTAGE™ V-III
- 120 AIRSTAGE™ V-III Tropical
- 124 AIRSTAGE™ V-II
- 130 PRODUCT LINEUP LARGE VRF Indoor Units
- 132 Indoor Units for LARGE VRF Specifications

VENTILATION

- 138 PRODUCT LINEUP
- 140 Energy Recovery Ventilator
- 142 Outdoor Air Unit
- 144 DX-Kit for Air Handling Application

OPTIONAL PARTS

- 146 Optional Parts List/Function List
- 148 Others

COMMERCIAL SOLUTIONS



LARGE BUILDING

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.

LARGE BUILDING

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

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

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



Heat Pump Modular type for heating or cooling operation

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

AIRSTAGE™ V-II

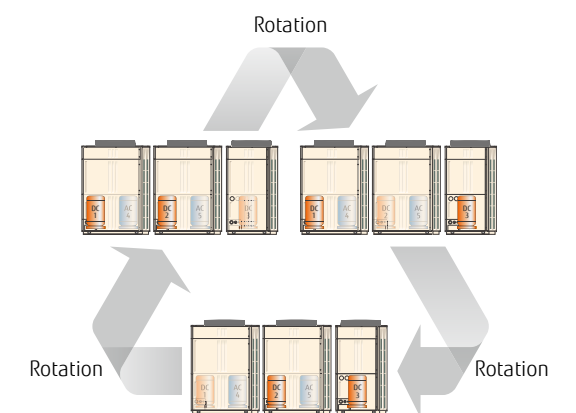
8 HP - 48 HP 33 Models

- Space saving combination: 8 HP to 48 HP/21 models
- Energy efficiency combination: 16 HP to 44 HP/12 models



Enhancement of functions and basic performance to increase reliability

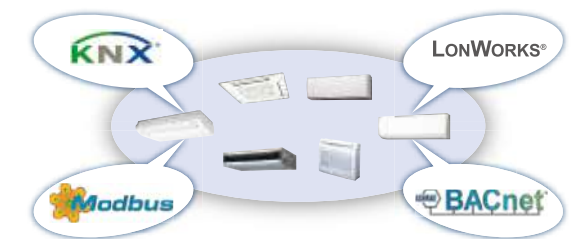
Longer life units are achieved by the control without putting a load on one unit through rotation operation and refrigerant distribution control.



System Controller (UTY-APGXZ1)
System Controller Lite (UTY-ALGXZ1 & UTY-PLGXZ2)

Link up with a variety of BMS

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

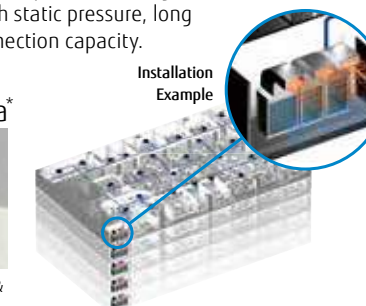


High system flexibility

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.

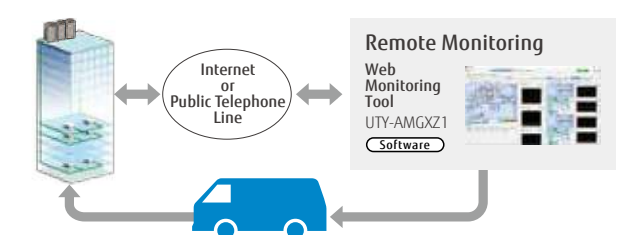


*: For V-III series, VR-II series & V-II series are 80 Pa



Rapid service support

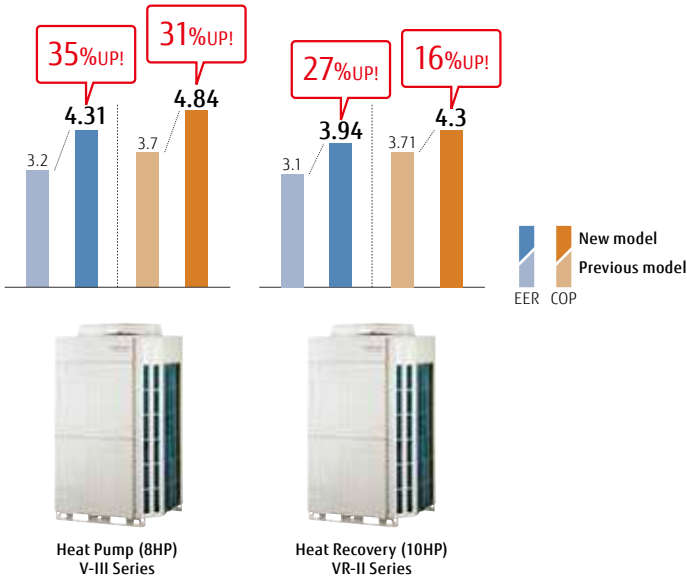
The air conditioning of the entire building can be monitored remotely with Web Monitoring Tool and System Controller. Rapid response for emergency is possible by a self-diagnosis in advance in cooperation with a management company.



CORE TECHNOLOGY

High Energy Efficiency

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



More Comfort

Precision refrigerant flow control

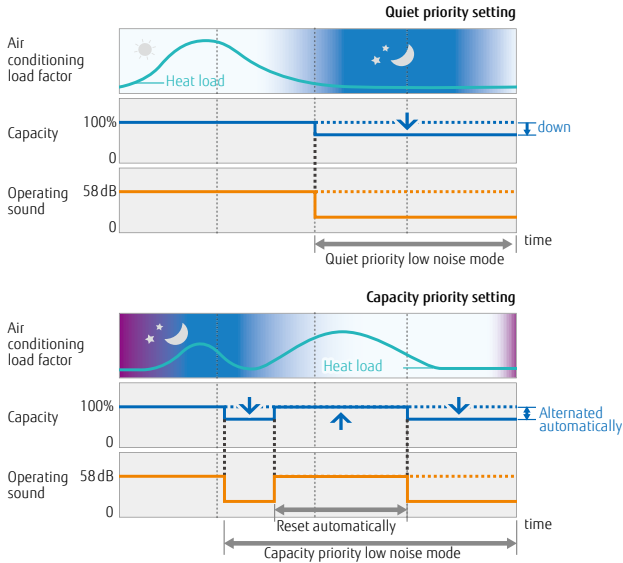
Precise and smooth refrigerant flow control is achieved by using a DC Inverter control in conjunction with individual indoor unit electronic expansion valve control. This allows high precision comfortable temperature control of $\pm 0.5^{\circ}\text{C}$.

Auto changeover function

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

Quiet operation

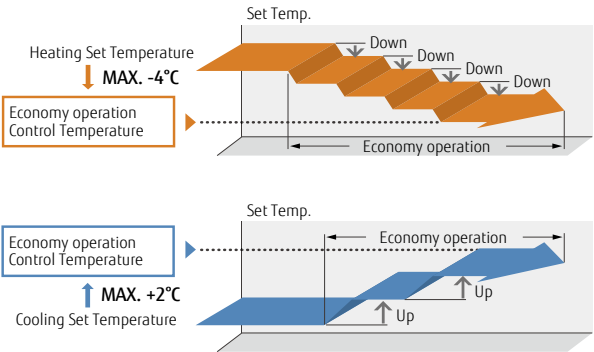
Two low noise modes can be selected automatically by quiet priority setting and capacity priority setting depending on the indoor environment and outside temperature load. This feature can be controlled via outdoor unit external input and/or system controller.



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

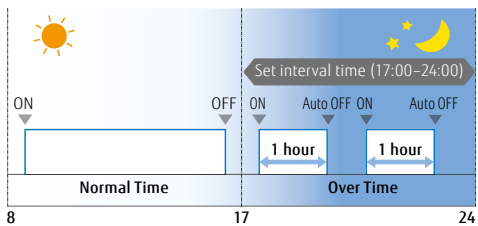
The minimum and maximum temperature ranges can be limited, which provide further energy saving while maintaining the comfort of the occupants.

Auto-off timer

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

Capacity save operation

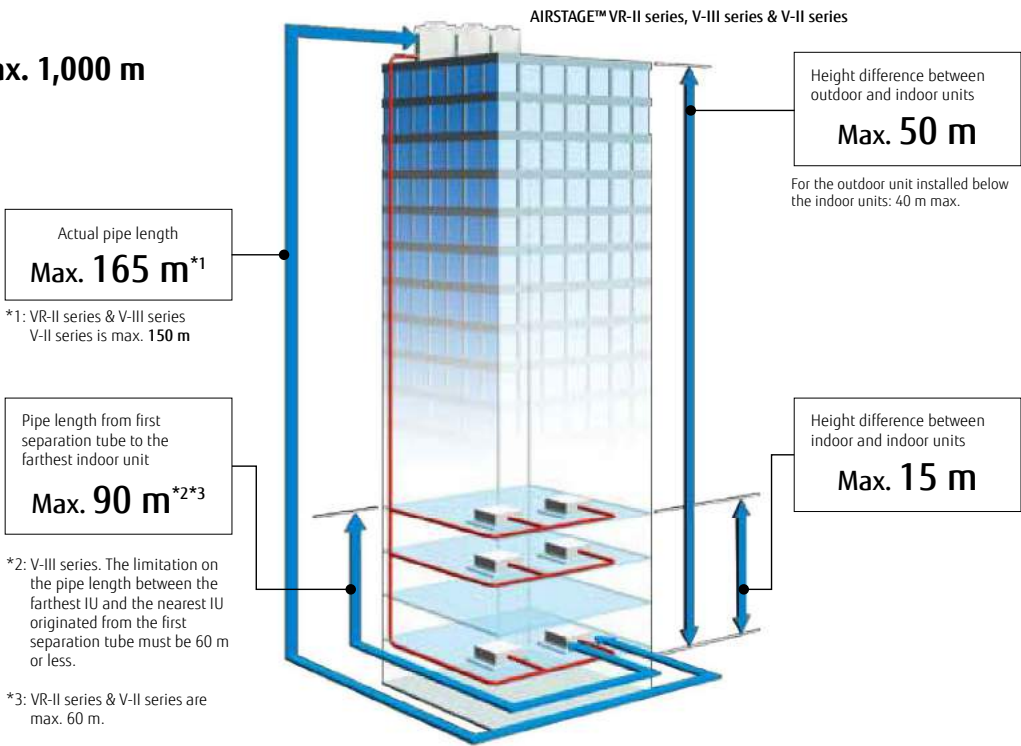
Operation capacity can be set in 5 steps for rated capability. The power consumption at peak is cut down and the maximum load is suppressed.



Design Flexibility

Overall piping length Max. 1,000 m

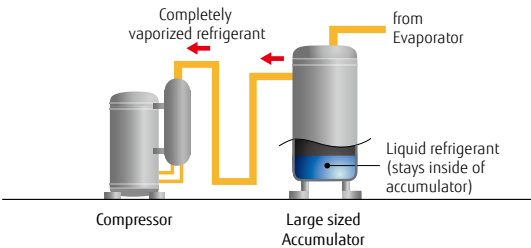
World's top class overall piping length of 1,000 m allows for application in a wide variety of buildings.



High Reliability

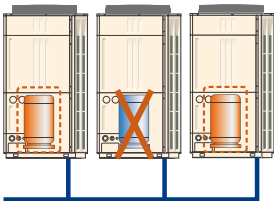
Liquid flow back protection

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.



Backup operation*1

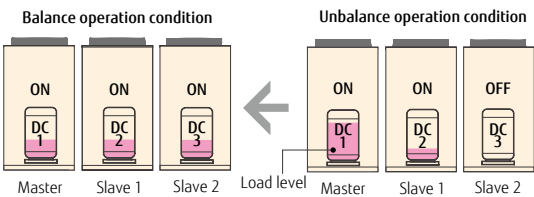
If one compressor fails, backup operation will be performed by the remaining compressors.*2



*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.



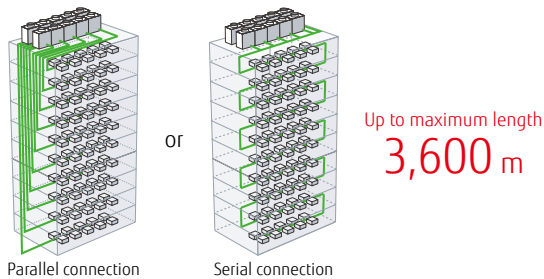
*2: Note: Backup operation may not be possible depending on the trouble state.

Easy Installation

Simple wiring work

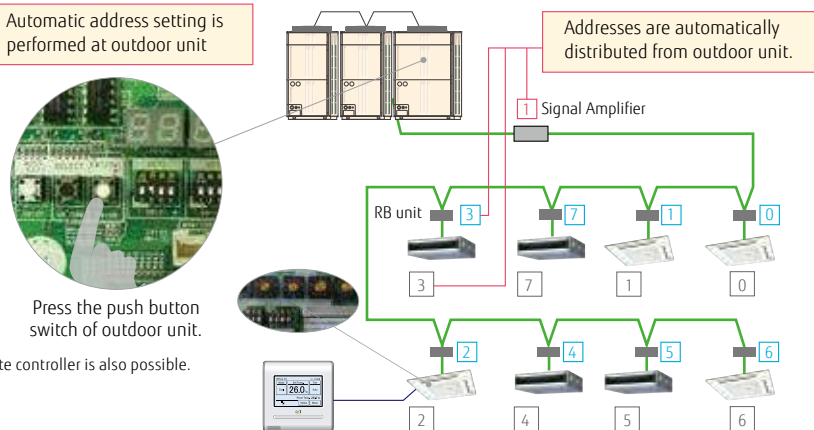
Installation of the wiring systems is made easier as the communication wiring can be installed continuously between the indoor, outdoor and RB units.

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.



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

Easy Service & Maintenance

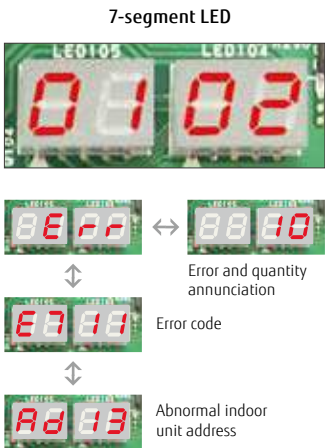
Design for easy maintenance

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

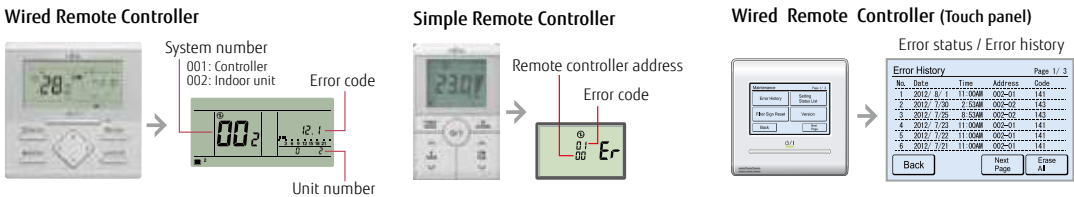
Movable PCB panel:

Easier for maintenance work behind the PCB



- Error status can be checked easily by outdoor unit display

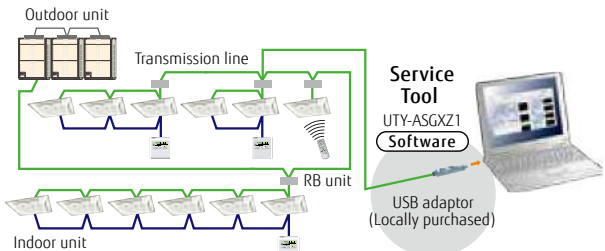
Error status can be checked easily via the indoor unit wired controller
An error code is displayed on a liquid crystal screen.



Error diagnosis by Service Tool

Connection to Service Tool

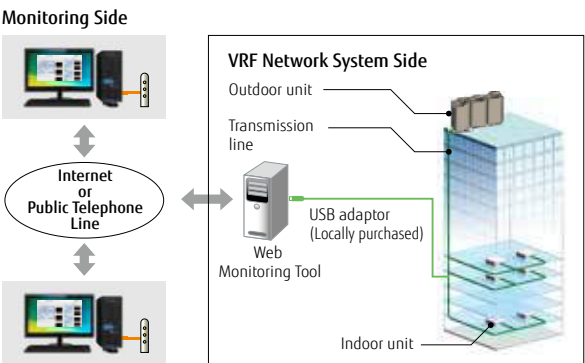
- Detail operation status and recent error history can be checked and analyzed by using the Service Tool.
- Last 5 min. operation memory can be also be recorded.



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.



LARGE VRF
For Commercial

AIRSTAGE™



 LARGE VRF

- 104 PRODUCT LINEUP LARGE VRF Outdoor Units
- 106 AIRSTAGE™ VR-II
- 114 AIRSTAGE™ V-III
- 120 AIRSTAGE™ V-III Tropical
- 124 AIRSTAGE™ V-II
- 130 PRODUCT LINEUP LARGE VRF Indoor Units
- 132 Indoor Units for LARGE VRF Specifications

LARGE VRF Outdoor Units



Capacity (kW)		22.4	28.0	33.5	40.0	45.0	50.4	55.9	61.5	67.0	73.5	78.5	85.0	90.0	95.0	100.5	107.0	112.0	118.5	123.5	130.0	135.0	140.0	145.0	150.0
HP		8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54
VR-II Series Heat Recovery	Space Saving Page 106~																								
	Set Model	AJYA72GALH	AJYA90GALH	AJY108GALH	AJY126GALH	AJY144GALH	AJY162GALH	AJY180GALH	AJY198GALH	AJY216GALH	AJY234GALH	AJY252GALH	AJY270GALH	AJY288GALH	AJY306GALH	AJY324GALH	AJY342GALH	AJY360GALH	AJY378GALH	AJY396GALH	AJY414GALH	AJY432GALH			
	Energy Efficiency Page 106~																								
	Set Model					AJY144GALHH			AJY198GALHH	AJY216GALHH	AJY234GALHH	AJY252GALHH	AJY270GALHH	AJY288GALHH	AJY306GALHH	AJY324GALHH	AJY342GALHH	AJY360GALHH	AJY378GALHH	AJY396GALHH					
V-III Series Heat Pump	Space Saving Page 114~																								
	Set Model	AJY072LALBH	AJY090LALBH	AJY108LALBH	AJY126LALBH	AJY144LALBH	AJY162LALBH	AJY180LALBH	AJY198LALBH	AJY216LALBH	AJY234LALBH	AJY252LALBH	AJY270LALBH	AJY288LALBH	AJY306LALBH	AJY324LALBH	AJY342LALBH	AJY360LALBH	AJY378LALBH	AJY396LALBH	AJY414LALBH	AJY432LALBH	AJY450LALBH	AJY468LALBH	AJY486LALBH
	Energy Efficiency Page 114~																								
	Set Model					AJY144LALBHH	AJY162LALBHH	AJY180LALBHH		AJY216LALBHH	AJY234LALBHH	AJY252LALBHH	AJY270LALBHH	AJY288LALBHH	AJY306LALBHH	AJY324LALBHH	AJY342LALBHH	AJY360LALBHH	AJY378LALBHH	AJY396LALBHH	AJY414LALBHH				
V-III Tropical Series Heat Pump	Space Saving Page 120~																								
	Set Model	AJY072LNLBH	AJY090LNLBH	AJY108LNLBH	AJY126LNLBH	AJY144LNLBH	AJY162LNLBH	AJY180LNLBH	AJY198LNLBH	AJY216LNLBH	AJY234LNLBH	AJY252LNLBH	AJY270LNLBH	AJY288LNLBH	AJY306LNLBH	AJY324LNLBH	AJY342LNLBH	AJY360LNLBH	AJY378LNLBH	AJY396LNLBH	AJY414LNLBH	AJY432LNLBH	AJY450LNLBH	AJY468LNLBH	AJY486LNLBH
	Energy Efficiency Page 120~																								
	Set Model					AJY144LNLBHH	AJY162LNLBHH	AJY180LNLBHH		AJY216LNLBHH	AJY234LNLBHH	AJY252LNLBHH	AJY270LNLBHH	AJY288LNLBHH	AJY306LNLBHH	AJY324LNLBHH	AJY342LNLBHH	AJY360LNLBHH	AJY378LNLBHH	AJY396LNLBHH	AJY414LNLBHH				
V-II Series Heat Pump	Space Saving Page 124~																								
	Set Model	AJYA72LALH	AJYA90LALH	AJY108LALH	AJY126LALH	AJY144LALH	AJY162LALH	AJY180LALH	AJY198LALH	AJY216LALH	AJY234LALH	AJY252LALH	AJY270LALH	AJY288LALH	AJY306LALH	AJY324LALH	AJY342LALH	AJY360LALH	AJY378LALH	AJY396LALH	AJY414LALH	AJY432LALH			
	Energy Efficiency Page 124~																								
	Set Model					AJY144LALHH			AJY198LALHH	AJY216LALHH	AJY234LALHH	AJY252LALHH	AJY270LALHH	AJY288LALHH	AJY306LALHH	AJY324LALHH		AJY360LALHH	AJY378LALHH	AJY396LALHH					

Heat Recovery Modular Type

AIRSTAGE™ VR-II

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



System Outline

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.

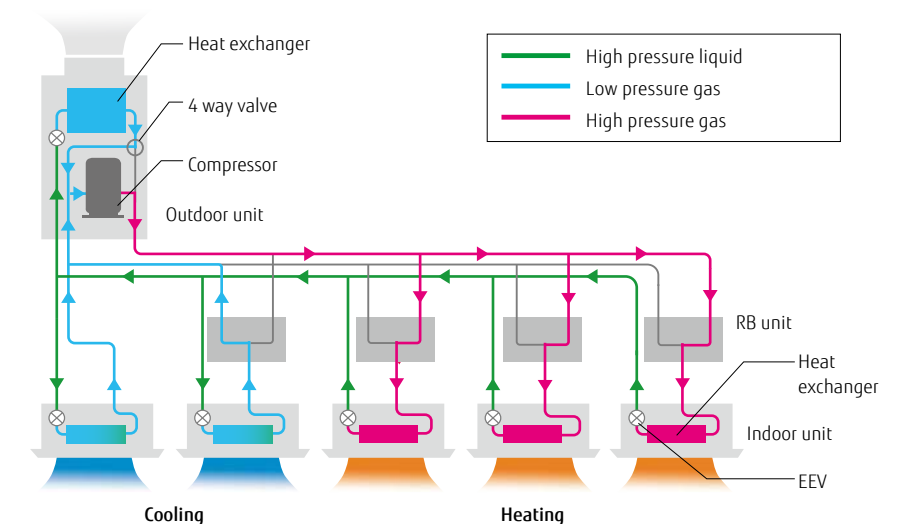


Features

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.



Energy saving technology that boosted operation efficiency

Powerful large propeller fan

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

*1. CFD = Computational Fluid Dynamics

Sine-wave DC inverter control

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

Subcool heat exchanger

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

High efficient and large capacity DC inverter compressor

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

3 phase DC fan motor

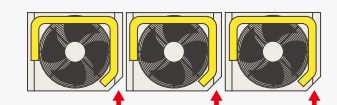
Efficiency is substantially improved by high efficient motor with sophisticated driver control. In addition, low noise is realized by DC fan motor.

4-face heat exchanger

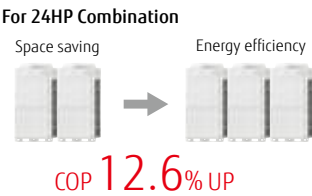
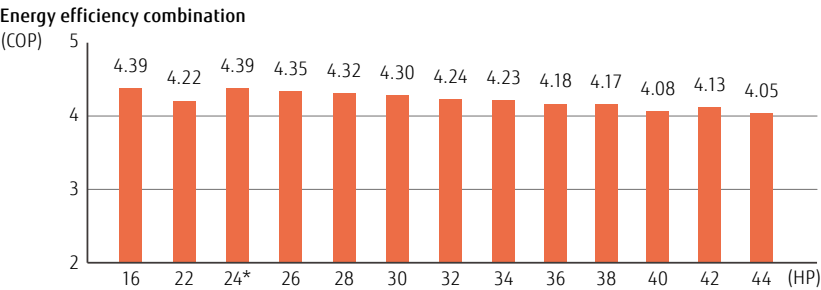
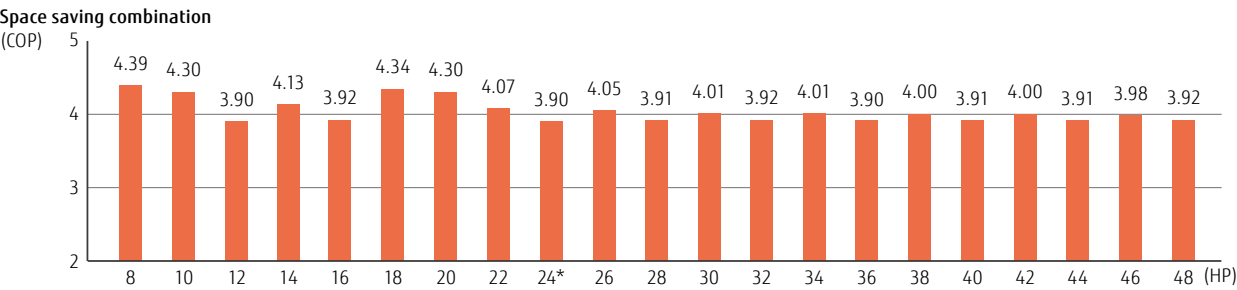
Heat exchange efficiency is significantly improved by the introduction of a new 4-face heat exchanger that increases effective surface area.

Front intake port (corner cut air inhaling structure)

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



Features



All inverter compressor

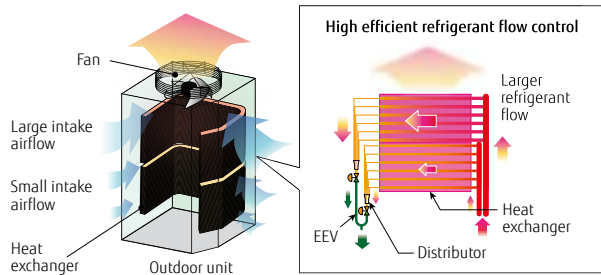
Large capacity DC inverter compressor
Large capacity high efficient DC twin rotary compressor with excellent intermediate capability.

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



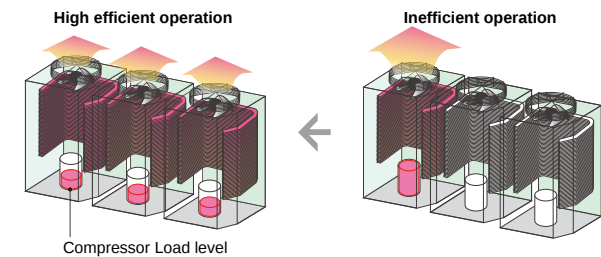
Ideal heat exchanger path control

Heat exchanger is split into top and bottom. Heat exchange efficiency is improved by optimum heat exchanger path refrigerant control. Refrigerant is more distributed at the top side heat exchanger with a large intake airflow.



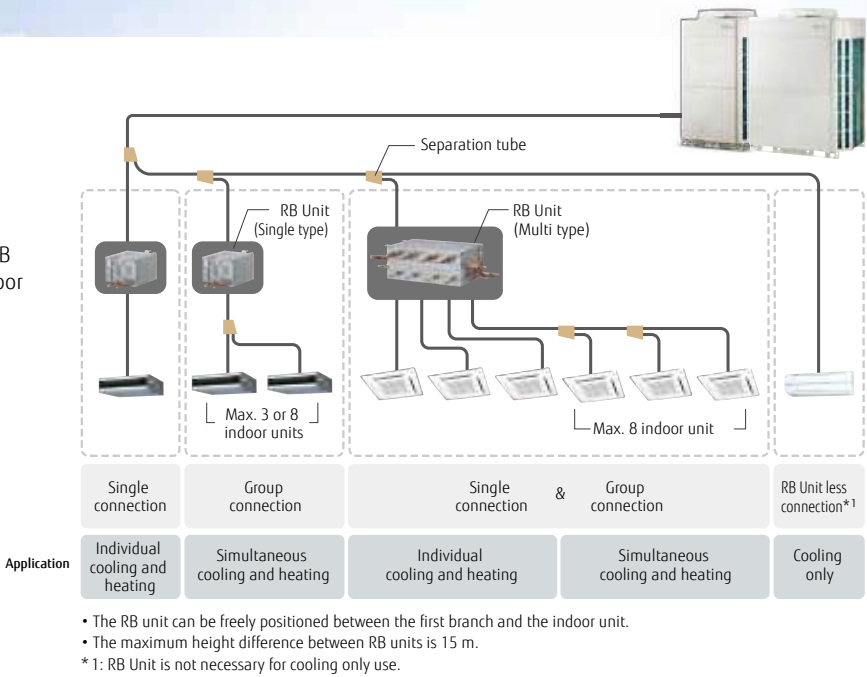
Sophisticated operation control

When multiple outdoor units are connected, sophisticated operation is performed by each compressor. Efficiency is improved by all compressors at part load and distributing refrigerant to all of the heat exchangers rather than to one compressor.



Flexible piping connection

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

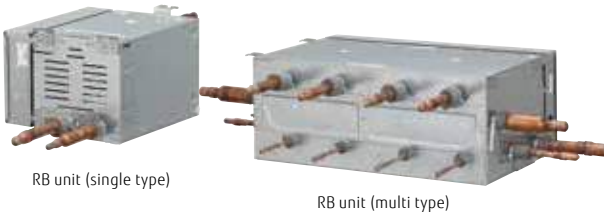
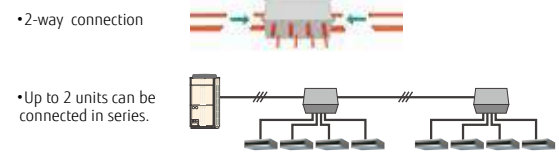
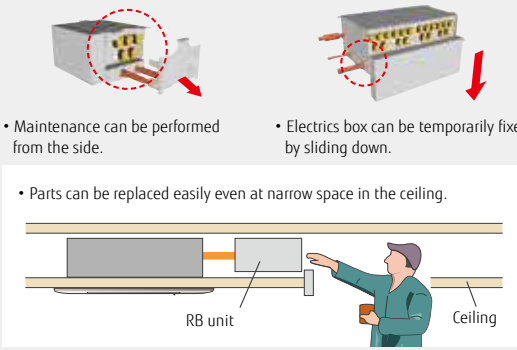


Flexible installation of RB unit

- Small & slim design saves space. Height 198 mm
- A drain pipe is not required
- The control box position can be changed to meet the installation conditions
- Small design saves space
- A drain pipe is not required
- Simple installation series connection design



Easy to maintenance in a narrow space



Outdoor units lineup

• Combinations other than the followings are not recommended.

Space saving combination				
22.4 kW (8HP)	28.0 kW (10HP)	33.5 kW (12HP)	40.0 kW (14HP)	45.0 kW (16HP)
 AJYA72GALH UNIT : AJYA72GALH	 AJYA90GALH UNIT : AJYA90GALH	 AJY108GALH UNIT : AJY108GALH	 AJY126GALH UNIT : AJY126GALH	 AJY144GALH UNIT : AJY144GALH
50.4 kW (18HP)	56.0 kW (20HP)	61.5 kW (22HP)	67.0 kW (24HP)	73.0 kW (26HP)
 AJY162GALH UNIT : AJYA90/A72GALH	 AJY180GALH UNIT : AJYA90/A90GALH	 AJY198GALH UNIT : AJY108/A90GALH	 AJY216GALH UNIT : AJY108/108GALH	 AJY234GALH UNIT : AJY144/A90GALH
78.5 kW (28HP)	85.0 kW (30HP)	90.0 kW (32HP)	95.0 kW (34HP)	100.5 kW (36HP)
 AJY252GALH UNIT : AJY144/108GALH	 AJY270GALH UNIT : AJY144/126GALH	 AJY288GALH UNIT : AJY144/144GALH	 AJY306GALH UNIT : AJY108/108/A90GALH	 AJY324GALH UNIT : AJY108/108/108GALH
106.5 kW (38HP)	112.0 kW (40HP)	118.0 kW (42HP)	123.5 kW (44HP)	130.0 kW (46HP)
 AJY342GALH UNIT : AJY144/108/A90GALH	 AJY360GALH UNIT : AJY144/108/108GALH	 AJY378GALH UNIT : AJY144/144/A90GALH	 AJY396GALH UNIT : AJY144/144/108GALH	 AJY414GALH UNIT : AJY144/144/126GALH
135.0 kW (48HP)				
 AJY432GALH UNIT : AJY144/144/144GALH				

Energy efficiency combination				
44.8 kW (16HP)	62.4 kW (22HP)	67.2 kW (24HP)	72.8 kW (26HP)	78.4 kW (28HP)
 AJY144GALHH UNIT : AJYA72/A72GALH	 AJY198GALHH UNIT : AJY126/A72GALH	 AJY216GALHH UNIT : AJYA72/A72/A72GALH	 AJY234GALHH UNIT : AJYA90/A72/A72GALH	 AJY252GALHH UNIT : AJYA90/A90/A72GALH
84.0 kW (30HP)	90.4 kW (32HP)	96.0 kW (34HP)	102.4 kW (36HP)	108.0 kW (38HP)
 AJY270GALHH UNIT : AJYA90/A90/A90GALH	 AJY288GALHH UNIT : AJY126/A90/A72GALH	 AJY306GALHH UNIT : AJY126/A90/A90GALH	 AJY324GALHH UNIT : AJY126/126/A72GALH	 AJY342GALHH UNIT : AJY126/126/A90GALH
113.0 kW (40HP)	120.0 kW (42HP)	125.0 kW (44HP)		
 AJY360GALHH UNIT : AJY144/126/A90GALH	 AJY378GALHH UNIT : AJY126/126/126GALH	 AJY396GALHH UNIT : AJY144/126/126GALH		

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

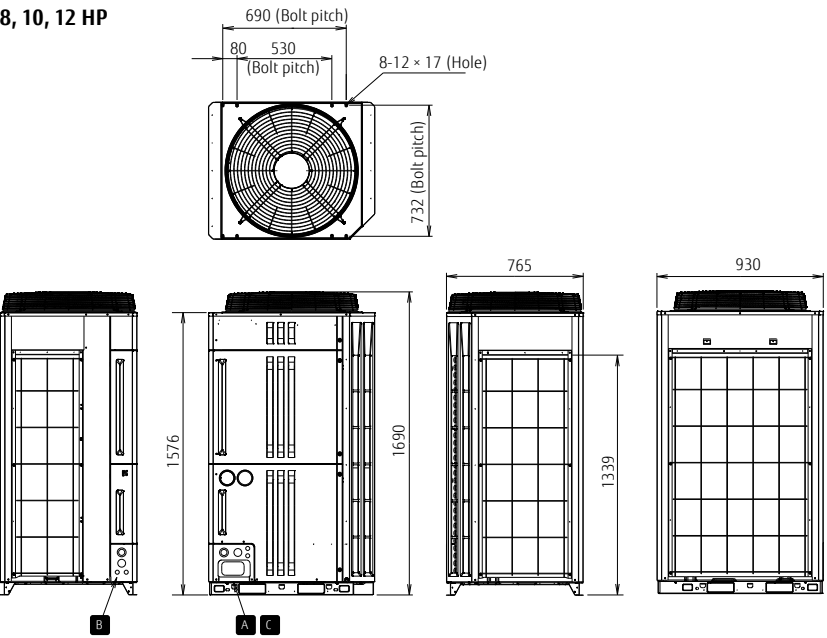


8, 10, 12 HP 14, 16 HP

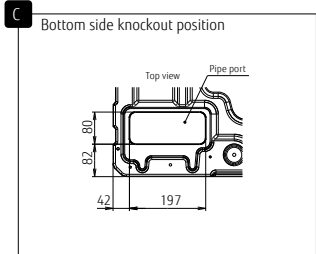
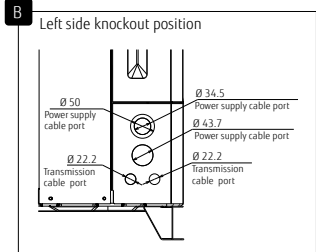
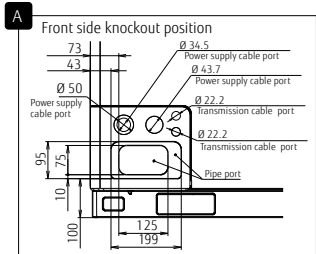
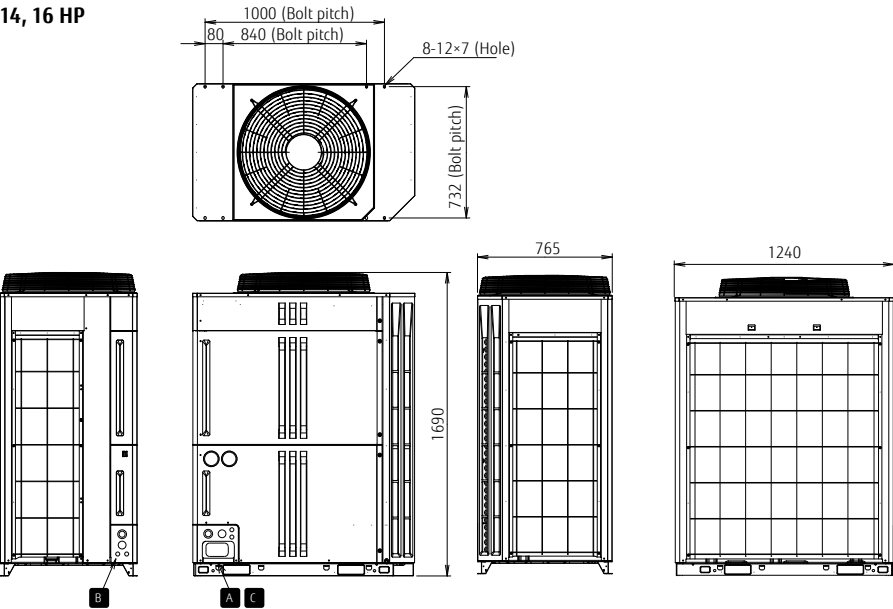
Dimensions

(Unit : mm)

8, 10, 12 HP



14, 16 HP



Outdoor units specifications

Space Saving Combination

Rating Capacity range			HP	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	
																									
Set Model name			AJYA72GALH	AJYA90GALH	AJY108GALH	AJY126GALH	AJY144GALH	AJY162GALH	AJY180GALH	AJY198GALH	AJY216GALH		AJY234GALH	AJY252GALH	AJY270GALH	AJY288GALH	AJY306GALH	AJY324GALH	AJY342GALH	AJY360GALH	AJY378GALH	AJY396GALH	AJY414GALH	AJY432GALH	
Unit 1 Unit 2 Unit 3			AJYA72GALH	AJYA90GALH	AJY108GALH	AJY126GALH	AJY144GALH	AJYA90GALH AJYA72GALH	AJYA90GALH AJYA90GALH	AJY108GALH AJYA90GALH	AJY108GALH AJY108GALH		AJY144GALH AJYA90GALH	AJY144GALH AJY108GALH	AJY144GALH AJY126GALH	AJY144GALH AJY144GALH	AJY108GALH AJY108GALH AJYA90GALH	AJY108GALH AJY108GALH AJY108GALH	AJY144GALH AJY108GALH AJYA90GALH	AJY144GALH AJY108GALH AJY108GALH	AJY144GALH AJY144GALH AJY126GALH	AJY144GALH AJY144GALH AJY144GALH	AJY144GALH AJY144GALH AJY144GALH	AJY144GALH AJY144GALH AJY144GALH	
Maximum Connectable Indoor Unit*1			15	16	17	21	24	27	30	32	35		39	42	45	48	50	53	57	60	63	64	64	64	
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	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	
Power source			3-phase 4 wire , 400 V, 50Hz										3-phase 4 wire , 400 V, 50Hz												
Capacity			kW	Cooling	22.4	28.0	33.5	40.0	45.0	50.4	56.0	61.5	67.0	73.0	78.5	85.0	90.0	95.0	100.5	106.5	112.0	118.0	123.5	130.0	135.0
				Heating	25.0	31.5	37.5	45.0	50.0	56.5	63.0	69.0	75.0	81.5	87.5	95.0	100.0	106.5	112.5	119.0	125.0	131.5	137.5	145.0	150.0
Input power			kW	Cooling	5.45	7.11	9.75	11.34	13.61	12.56	14.22	16.86	19.50	20.72	23.36	24.95	27.22	26.61	29.25	30.47	33.11	34.33	36.97	38.56	40.83
				Heating	5.70	7.33	9.62	10.90	12.77	13.03	14.66	16.95	19.24	20.10	22.39	23.67	25.54	26.57	28.86	29.72	32.01	32.87	35.16	36.44	38.31
EER			Cooling	W/W	4.11	3.94	3.44	3.53	3.31	4.01	3.94	3.65	3.44	3.52	3.36	3.41	3.31	3.57	3.44	3.50	3.38	3.44	3.34	3.37	3.31
COP			Heating	W/W	4.39	4.30	3.90	4.13	3.92	4.34	4.30	4.07	3.90	4.05	3.91	4.01	3.92	4.01	3.90	4.00	3.91	4.00	3.91	3.98	3.92
Air flow late			m³/h	11,100	11,100	11,100	13,000	13,000	11,100×2	11,100×2	11,100×2	11,100×2	13,000×2	13,000×2	13,000×2	13,000×2	11,100×3	11,100×3	13,000×2	13,000×2	13,000×2	13,000×2	13,000×3	13,000×3	
Sound pressure level*/ Power level			dB(A)	Cooling	56 / 77	58 / 79	59 / 80	60 / 81	61 / 82	60 / 81	61 / 82	62 / 83	62 / 83	63 / 84	63 / 84	64 / 84.5	64 / 85	63 / 85	64 / 85	64 / 85	65 / 85	65 / 86	65 / 86	65 / 86	66 / 87
				Heating	58 / 80	59 / 81	61 / 83	61 / 83	61 / 83	62 / 84	62 / 84	63 / 85	64 / 86	63 / 85	64 / 86	64 / 86	64 / 86	64 / 86	65 / 87.2	65 / 87	65 / 87	66 / 87.7	65 / 87	66 / 88	66 / 88
Maximum external static pressure			Pa	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	
Compressor motor output			kW	7.5	7.5	7.5	11.0	11.0	7.5×2	7.5×2	7.5×2	7.5×2	11.0×7.5	11.0×7.5	11.0×2	11.0×2	7.5×3	7.5×3	11.0×7.5×2	11.0×7.5×2	11.0×2×7.5	11.0×2×7.5	11.0×3	11.0×3	
Heat exchanger fin				Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	
Net Dimensions			Height	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	
			Width	930	930	930	1,240	1,240	930×2	930×2	930×2	930×2	930×2	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
			Depth	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765
Weight			kg	262	262	262	286	286	262×2	262×2	262×2	262×2	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	
Refrigerant			Type (Global Warming Potential)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)		R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)		
			Charge kg(CO2eq-T)	11.8 (24.6)	11.8 (24.6)	11.8 (24.6)	11.8 (24.6)	11.8 (24.6)	11.8×2 (24.6×2)	11.8×2 (24.6×2)	11.8×2 (24.6×2)	11.8×2 (24.6×2)	11.8×2 (24.6×2)		11.8×2 (24.6×2)	11.8×2 (24.6×2)	11.8×2 (24.6×2)	11.8×2 (24.6×2)	11.8×3 (24.6×3)	11.8×3 (24.6×3)	11.8×3 (24.6×3)	11.8×3 (24.6×3)	11.8×3 (24.6×3)	11.8×3 (24.6×3)	11.8×3 (24.6×3)
Connection pipe diameter			Liquid	12.70	12.70	12.70	12.70	12.70	15.88	15.88	15.88	15.88	15.88	15.88	15.88	15.88	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	
			Discharge Gas	15.88	19.05	19.05	22.22	22.22	22.22	22.22	28.58	28.58	28.58	28.58	28.58	28.58	28.58	28.58	28.58	34.92	34.92	34.92	34.92	34.92	34.92
			Suction Gas	22.22	22.22	28.58	28.58	28.58	28.58	28.58	34.92	34.92	34.92	34.92	34.92	34.92	34.92	34.92	41.27	41.27	41.27	41.27	41.27	41.27	41.27
Operation range			Cooling	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	
			Heating	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21
			Cooling/Heating	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21

Energy Efficiency Combination

[illegible]

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.

*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



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

System Outline

Excellent energy saving

Heat pump inverter type realizes 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 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.

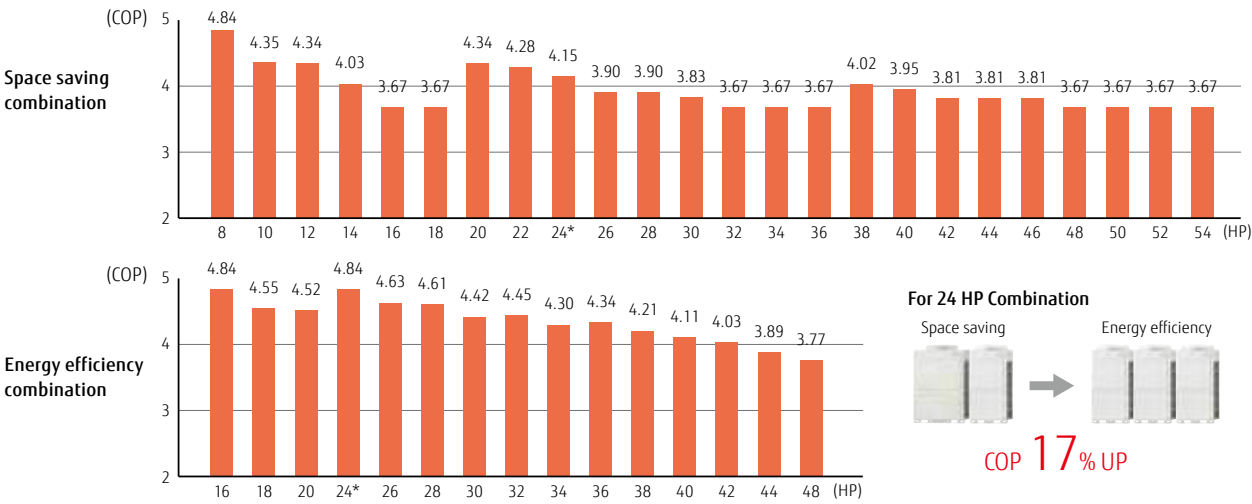


Features



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.



Energy saving technology that boosted operation efficiency

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

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

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

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

High efficient and large capacity DC inverter compressor
Large capacity high efficient DC twin rotary compressor with excellent intermediate capability.

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

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

Outdoor units lineup

• Combinations other than the followings are not recommended.

Space saving combination				
22.4 kW (8HP)	28.0 kW (10HP)	33.5 kW (12HP)	40.0 kW (14HP)	45.0 kW (16HP)
 AJY072LALBH UNIT : AJY072LALBH	 AJY090LALBH UNIT : AJY090LALBH	 AJY108LALBH UNIT : AJY108LALBH	 AJY126LALBH UNIT : AJY126LALBH	 AJY144LALBH UNIT : AJY144LALBH
50.0 kW (18HP)	56.0 kW (20HP)	62.4 kW (22HP)	68.0 kW (24HP)	73.0 kW (26HP)
 AJY162LALBH UNIT : AJY162LALBH	 AJY180LALBH UNIT : AJY090/090LALBH	 AJY198LALBH UNIT : AJY126/072LALBH	 AJY216LALBH UNIT : AJY126/090LALBH	 AJY234LALBH UNIT : AJY144/090LALBH
78.0 kW (28HP)	85.0 kW (30HP))	90.0 kW (32HP)	95.0 kW (34HP)	100.0 kW (36HP)
 AJY252LALBH UNIT : AJY162/090LALBH	 AJY270LALBH UNIT : AJY144/126LALBH	 AJY288LALBH UNIT : AJY144/144LALBH	 AJY306LALBH UNIT : AJY162/144LALBH	 AJY324LALBH UNIT : AJY162/162LALBH
106.0 kW (38HP)	113.0 kW (40HP)	118.0 kW (42HP)	123.0 kW (44HP)	128.0 kW (46HP)
 AJY342LALBH UNIT : AJY162/090/090LALBH	 AJY360LALBH UNIT : AJY144/126/090LALBH	 AJY378LALBH UNIT : AJY144/144/090LALBH	 AJY396LALBH UNIT : AJY162/144/090LALBH	 AJY414LALBH UNIT : AJY162/162/090LALBH
135.0 kW (48HP)	140.0 kW (50HP)	145.0 kW (52HP)	150.0 kW (54HP)	
 AJY432LALBH UNIT : AJY144/144/144LALBH	 AJY450LALBH UNIT : AJY162/144/144LALBH	 AJY468LALBH UNIT : AJY162/162/144LALBH	 AJY486LALBH UNIT : AJY162/162/162LALBH	

Energy efficiency combination				
44.8 kW (16HP)	50.4 kW (18HP)	55.9 kW (20HP)	67.2 kW (24HP)	72.8 kW (26HP)
 AJY144LALBHH UNIT : AJY072/072LALBH	 AJY162LALBHH UNIT : AJY090/072LALBH	 AJY180LALBHH UNIT : AJY108/072LALBH	 AJY216LALBHH UNIT : AJY072/072/072LALBH	 AJY234LALBHH UNIT : AJY090/072/072LALBH
78.3 kW (28HP)	84.8 kW (30HP)	89.4 kW (32HP)	95.9 kW (34HP)	100.5 kW (36HP)
 AJY252LALBHH UNIT : AJY108/072/072LALBH	 AJY270LALBHH UNIT : AJY126/072/072LALBH	 AJY288LALBHH UNIT : AJY108/108/072LALBH	 AJY306LALBHH UNIT : AJY126/108/072LALBH	 AJY324LALBHH UNIT : AJY108/108/108LALBH
107.0 kW (38HP)	113.5 kW (40HP)	120.0 kW (42HP)	125.0 kW (44HP)	130.0 kW (46HP)
 AJY342LALBHH UNIT : AJY126/108/108LALBH	 AJY360LALBHH UNIT : AJY126/126/108LALBH	 AJY378LALBHH UNIT : AJY126/126/126LALBH	 AJY396LALBHH UNIT : AJY144/126/126LALBH	 AJY414LALBHH UNIT : AJY144/144/126LALBH

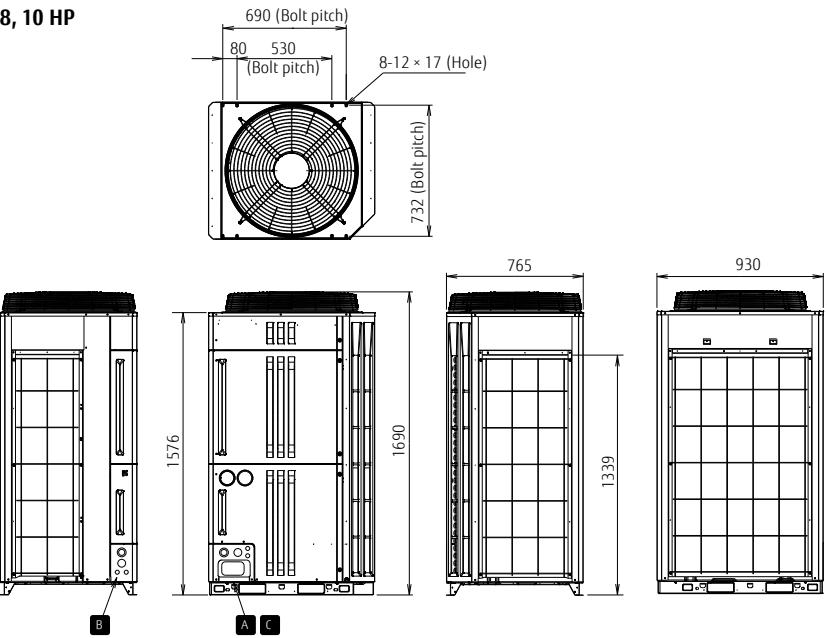
8,10HP : AJY072LALBH / AJY090LALBH
12,14,16,18HP : AJY108LALBH / AJY126LALBH / AJY144LALBH / AJY162LALBH



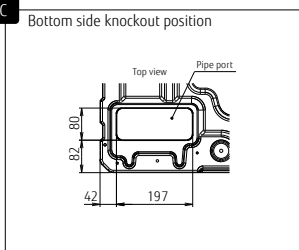
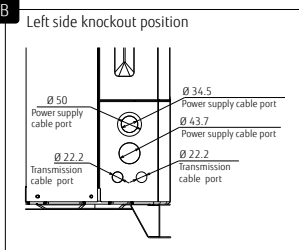
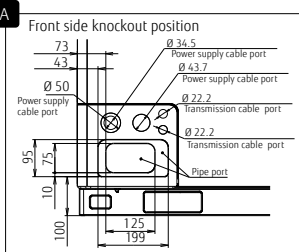
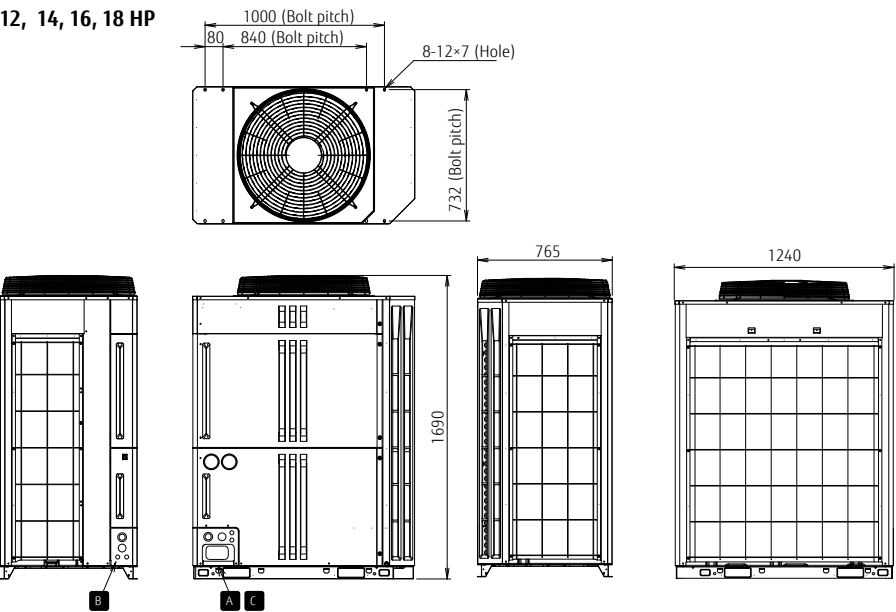
Dimensions

(Unit : mm)

8, 10 HP



12, 14, 16, 18 HP



Outdoor units specifications

Space Saving Combination

Rating Capacity range		HP	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54
																										
Set Model name			AJY072LALBH	AJY090LALBH	AJY108LALBH	AJY126LALBH	AJY144LALBH	AJY162LALBH	AJY180LALBH	AJY198LALBH	AJY216LALBH	AJY234LALBH	AJY252LALBH	AJY270LALBH	AJY288LALBH	AJY306LALBH	AJY324LALBH	AJY342LALBH	AJY360LALBH	AJY378LALBH	AJY396LALBH	AJY414LALBH	AJY432LALBH	AJY450LALBH	AJY468LALBH	AJY486LALBH
Unit 1 Unit 2 Unit 3			AJY072LALBH	AJY090LALBH	AJY108LALBH	AJY126LALBH	AJY144LALBH	AJY162LALBH	AJY090LALBH AJY090LALBH	AJY126LALBH AJY072LALBH	AJY126LALBH AJY090LALBH	AJY144LALBH AJY090LALBH	AJY162LALBH AJY090LALBH	AJY144LALBH AJY126LALBH	AJY144LALBH AJY144LALBH	AJY162LALBH AJY144LALBH	AJY162LALBH AJY162LALBH	AJY162LALBH AJY090LALBH	AJY144LALBH AJY126LALBH AJY090LALBH	AJY144LALBH AJY144LALBH	AJY144LALBH AJY144LALBH	AJY162LALBH AJY162LALBH	AJY144LALBH AJY144LALBH	AJY162LALBH AJY144LALBH	AJY162LALBH AJY144LALBH	
Maximum Connectable Indoor Unit*1			17	21	26	30	34	39	43	47	52	56	60	64	64	64	64	64	64	64	64	64	64	64	64	
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	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
Power source			3-phase 4 wire, 400 V, 50Hz																3-phase 4 wire, 400 V, 50Hz							
Capacity	Cooling	kW	22.4	28.0	33.5	40.0	45.0	50.0	56.0	62.4	68.0	73.0	78.0	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
	Heating		25.0	31.5	37.5	45.0	50.0	50.0	63.0	70.0	76.5	81.5	81.5	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
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	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
	Heating		5.17	7.25	8.65	11.17	13.63	13.63	14.50	16.34	18.42	20.88	20.88	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
EER	Cooling	W/W	4.31	3.85	3.74	3.65	3.46	3.02	3.85	3.86	3.73	3.60	3.27	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
COP	Heating	W/W	4.84	4.35	4.34	4.03	3.67	3.67	4.34	4.28	4.15	3.90	3.90	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
Air flow late	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	13,700+13,000	13,700×2	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	13,700×3	13,700×3	13,700×3	13,700×3
Sound pressure level**/ 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	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
	Heating		58 / 80	59 / 81	60 / 83	62 / 84	64 / 86	64 / 86	62 / 84	63 / 85	64 / 86	65 / 87	66 / 87	66 / 88	67 / 89	67 / 89	67 / 89	66 / 88	67 / 89	68 / 90	68 / 90	69 / 91	69 / 91	69 / 91	69 / 91	69 / 91
Maximum external static pressure		Pa	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82
Compressor motor output		kW	7.5	7.5	11.0	11.0	11.0	11.0	7.5×2	11.0+7.5	11.0+7.5	11.0+7.5	11.0+7.5	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
Heat exchanger fin			Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin
Net Dimensions	Height	mm	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690
	Width		930	930	1,240	1,240	1,240	1,240	930×2	1,240+930	1,240+930	1,240+930	1,240+930	1,240×2	1,240×2	1,240×2	1,240×2	1,240×2	1,240+930×2	1,240+930	1,240+930	1,240+930	1,240×3	1,240×3	1,240×3	1,240×3
	Depth		765	765	765	765	765	765	765	765	765	765	765	765	765	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	275×2	275×2	275×2	275×2	275+252×2	275×2+252	275×2+252	275×2+252	275×2+252	275×3	275×3	275×3	275×3
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	
	Charge	kg(CO2eq-T)	11.7 (24.4)	11.7 (24.4)	11.8 (24.6)	11.8 (24.6)	11.8 (24.6)	11.8 (24.6)	11.7×2 (24.4×2)	11.8+11.7 (24.6+24.4)	11.8+11.7 (24.6+24.4)	11.8+11.7 (24.6+24.4)	11.8+11.7 (24.6+24.4)	11.8×2 (24.6×2)	11.8×2 (24.6×2)	11.8×2 (24.6×2)	11.8×2 (24.6×2)	11.8+11.7×2 (24.6+2+24.4)	11.8×2+11.7 (24.6+2+24.4)	11.8×2+11.7 (24.6+2+24.4)	11.8×2+11.7 (24.6+2+24.4)	11.8×2+11.7 (24.6+2+24.4)	11.8×3 (24.6×3)	11.8×3 (24.6×3)	11.8×3 (24.6×3)	
Connection pipe diameter	Liquid	mm	12.70	12.70	12.70	12.70	12.70	15.88	15.88	15.88	15.88	15.88	15.88	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05
	Gas		22.22	22.22	28.58	28.58	28.58	28.58	28.58	34.92	34.92	34.92	34.92	34.92	34.92	34.92	41.27	41.27	41.27	41.27	41.27	41.27	41.27	41.27	41.27	41.27
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	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46
	Heating		-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-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	32	34	36	38	40	42	44	46
																	
Set Model name			AJY144LALBHH	AJY162LALBHH	AJY180LALBHH	AJY216LALBHH	AJY234LALBHH	AJY252LALBHH	AJY270LALBHH	AJY288LALBHH	AJY306LALBHH	AJY324LALBHH	AJY342LALBHH	AJY360LALBHH	AJY378LALBHH	AJY396LALBHH	AJY414LALBHH
Unit 1 Unit 2 Unit 3			AJY072LALBH AJY072LALBH	AJY090LALBH AJY072LALBH	AJY108LALBH AJY072LALBH	AJY072LALBH AJY072LALBH AJY072LALBH	AJY090LALBH AJY072LALBH AJY072LALBH	AJY108LALBH AJY072LALBH AJY072LALBH	AJY126LALBH AJY072LALBH AJY072LALBH	AJY108LALBH AJY072LALBH AJY072LALBH	AJY126LALBH AJY108LALBH AJY072LALBH	AJY108LALBH AJY108LALBH AJY108LALBH	AJY126LALBH AJY108LALBH AJY108LALBH	AJY126LALBH AJY126LALBH AJY108LALBH	AJY126LALBH AJY126LALBH AJY126LALBH	AJY144LALBH AJY126LALBH AJY126LALBH	AJY144LALBH AJY144LALBH AJY126LALBH
Maximum Connectable Indoor Unit*1			34	39	43	52	56	60	64	64	64			64	64	64	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	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
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	89.4	95.9	100.5	107.0	113.5	120.0	125.0	130.0
	Heating		50.0	56.5	62.5	75.0	81.5	87.5	95.0	100.0	107.5	112.5	120.0	127.5	135.0	140.0	145.0
Input power	Cooling	kW	10.40	12.48	14.16	15.60	17.68	19.36	21.36	23.12	25.12	26.88	28.88	30.88	32.88	34.93	36.98
	Heating		10.34	12.42	13.82	15.51	17.59	18.99	21.51	22.47	24.99	25.95	28.47	30.99	33.51	35.97	38.43
EER	Cooling	W/W	4.31	4.04	3.95	4.31	4.12	4.04	3.97	3.87	3.82	3.74	3.70	3.68	3.65	3.58	3.52
COP	Heating	W/W	4.84	4.55	4.52	4.84	4.63	4.61	4.42	4.45	4.30	4.34	4.21	4.11	4.03	3.89	3.77
Air flow late	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	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
Sound pressure level*2/ Power level	Cooling	dB(A)	59 / 80	60 / 81	60 / 81	61 / 82	62 / 83	61 / 82	63 / 84	61 / 82	63 / 84	63 / 83	64 / 84	64 / 85	65 / 88	66 / 87	66 / 87
	Heating		61 / 83	62 / 84	62 / 85	63 / 85	63 / 85	64 / 86	65 / 87	64 / 87	65 / 88	65 / 88	65 / 88	66 / 88	67 / 89	68 / 90	68 / 90
Maximum external static pressure		Pa	82	82	82	82	82	82	82	82	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	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
Heat exchanger fin			Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin
Net Dimensions	Height	mm	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690
	Width		930×2	930×2	1,240×930	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	1,240×3	1,240×3	1,240×3	1,240×3
	Depth		765	765	765	765	765	765	765	765	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	275×2×252	275×2×252	275×3	275×3	275×3	275×3	275×3	275×3
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	kg(CO2eq-T)	11.7×2 (24.4×2)	11.7×2 (24.4×2)	11.8+11.7 (24.6+24.4)	11.7×3 (24.4×3)	11.7×3 (24.4×3)	11.8+11.7×2 (24.6+24.4×2)	11.8+11.7×2 (24.6+24.4×2)	11.8×2+11.7 (24.6×2+24.4)	11.8×2+11.7 (24.6×2+24.4)	11.8×3 (24.6×3)	11.8×3 (24.6×3)	11.8×3 (24.6×3)	11.8×3 (24.6×3)	11.8×3 (24.6×3)	11.8×3 (24.6×3)
Connection pipe diameter	Liquid	mm	12.70	15.88	15.88	15.88	15.88	15.88	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05
	Gas		28.58	28.58	28.58	34.92	34.92	34.92	34.92	34.92	34.92	41.27	41.27	41.27	41.27	41.27	41.27
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	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46
	Heating		-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21

Heat Pump Modular Type



Fujitsu General tropical VRF is designed for tropical weather.
Extensive lineup from 8HP to 54HP* in 2HP increment
Connectable indoor unit capacity ratio up to 130%

System Outline

High ambient operation design

Possible to operate cooling up to 52°C outdoor temperature

Powerful cooling capacity design

Keeping high cooling power at even high ambient temperature

Anti-corrosion treatment design

All metallic and PCB components are protected against corrosion

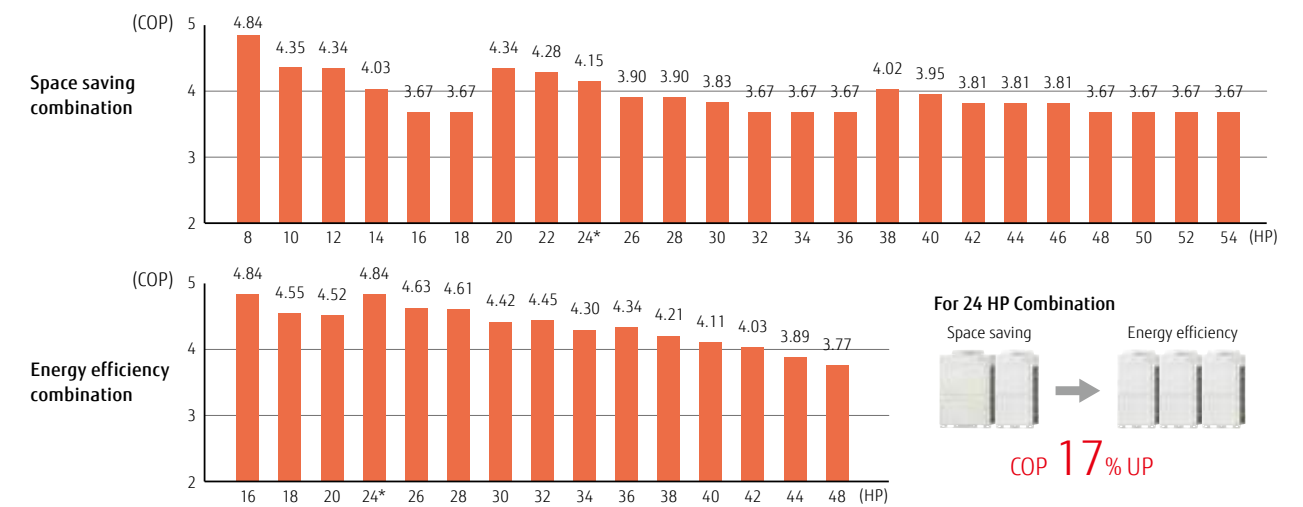


Features



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.



Energy saving technology that boosted operation efficiency



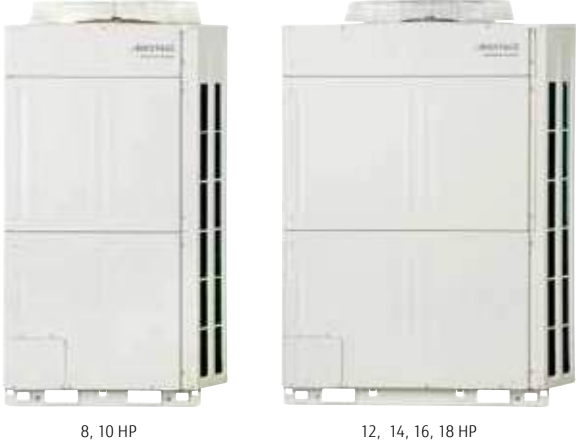
Outdoor units lineup

• Combinations other than the followings are not recommended.

Space saving combination				
22.4 kW (8HP)  AJY072LNLBH UNIT : AJY072LNLBH	28.0 kW (10HP)  AJY090LNLBH UNIT : AJY090LNLBH	33.5 kW (12HP)  AJY108LNLBH UNIT : AJY108LNLBH	40.0 kW (14HP)  AJY126LNLBH UNIT : AJY126LNLBH	45.0 kW (16HP)  AJY144LNLBH UNIT : AJY144LNLBH
50.0 kW (18HP)  AJY162LNLBH UNIT : AJY162LNLBH	56.0 kW (20HP)  AJY180LNLBH UNIT : AJY090/090LNLBH	62.4 kW (22HP)  AJY198LNLBH UNIT : AJY126/072LNLBH	68.0 kW (24HP)  AJY216LNLBH UNIT : AJY126/090LNLBH	73.0 kW (26HP)  AJY234LNLBH UNIT : AJY144/090LNLBH
78.0 kW (28HP)  AJY252LNLBH UNIT : AJY162/090LNLBH	85.0 kW (30HP)  AJY270LNLBH UNIT : AJY144/126LNLBH	90.0 kW (32HP)  AJY288LNLBH UNIT : AJY144/144LNLBH	95.0 kW (34HP)  AJY306LNLBH UNIT : AJY162/144LNLBH	100.0 kW (36HP)  AJY324LNLBH UNIT : AJY162/162LNLBH
106.0 kW (38HP)  AJY342LNLBH UNIT : AJY162/090/090LNLBH	113.0 kW (40HP)  AJY360LNLBH UNIT : AJY144/126/090LNLBH	118.0 kW (42HP)  AJY378LNLBH UNIT : AJY144/144/090LNLBH	123.0 kW (44HP)  AJY396LNLBH UNIT : AJY162/144/090LNLBH	128.0 kW (46HP)  AJY414LNLBH UNIT : AJY162/162/090LNLBH
135.0 kW (48HP)  AJY432LNLBH UNIT : AJY144/144/144LNLBH	140.0 kW (50HP)  AJY450LNLBH UNIT : AJY162/144/144LNLBH	145.0 kW (52HP)  AJY468LNLBH UNIT : AJY162/162/144LNLBH	150.0 kW (54HP)  AJY486LNLBH UNIT : AJY162/162/162LNLBH	

Energy efficiency combination				
44.8 kW (16HP)  AJY144LNLBHH UNIT : AJY072/072LNLBH	50.4 kW (18HP)  AJY162LNLBHH UNIT : AJY090/072LNLBH	55.9 kW (20HP)  AJY180LNLBHH UNIT : AJY108/072LNLBH	67.2 kW (24HP)  AJY216LNLBHH UNIT : AJY072/072/072LNLBH	72.8 kW (26HP)  AJY234LNLBHH UNIT : AJY090/072/072LNLBH
78.3 kW (28HP)  AJY252LNLBHH UNIT : AJY108/072/072LNLBH	84.8 kW (30HP)  AJY270LNLBHH UNIT : AJY126/072/072LNLBH	89.4 kW (32HP)  AJY288LNLBHH UNIT : AJY108/108/072LNLBH	95.9 kW (34HP)  AJY306LNLBHH UNIT : AJY126/108/072LNLBH	100.5 kW (36HP)  AJY324LNLBHH UNIT : AJY108/108/108LNLBH
107.0 kW (38HP)  AJY342LNLBHH UNIT : AJY126/108/108LNLBH	113.5 kW (40HP)  AJY360LNLBHH UNIT : AJY126/126/108LNLBH	120.0 kW (42HP)  AJY378LNLBHH UNIT : AJY126/126/126LNLBH	125.0 kW (44HP)  AJY396LNLBHH UNIT : AJY144/126/126LNLBH	130.0 kW (46HP)  AJY414LNLBHH UNIT : AJY144/144/126LNLBH

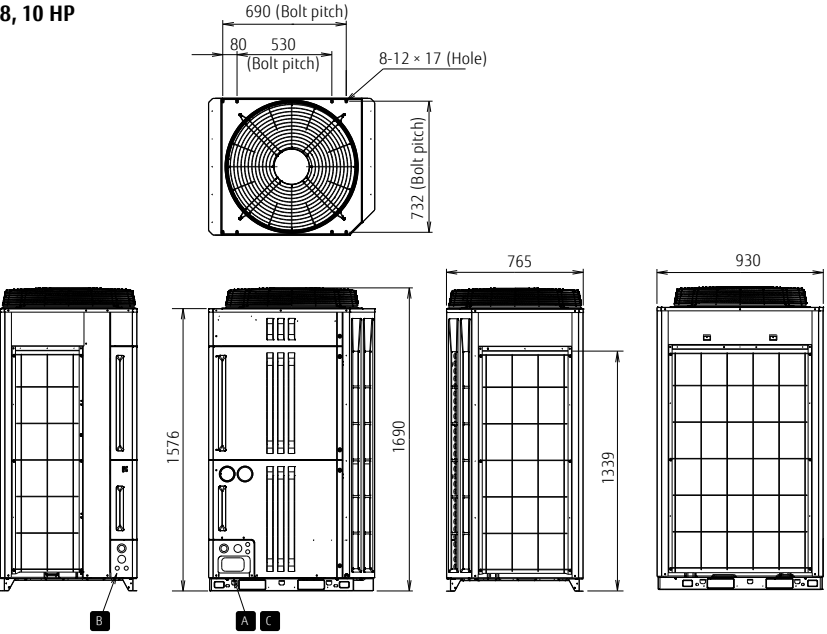
8,10HP : AJY072LNLBH / AJY090LNLBH
12,14,16,18HP : AJY108LNLBH / AJY126LNLBH / AJY144LNLBH / AJY162LNLBH



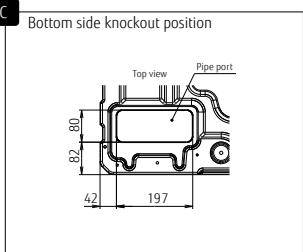
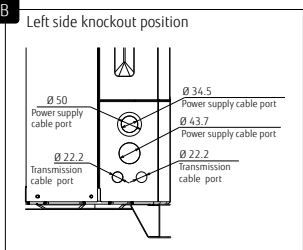
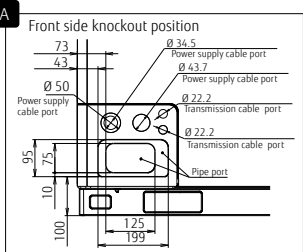
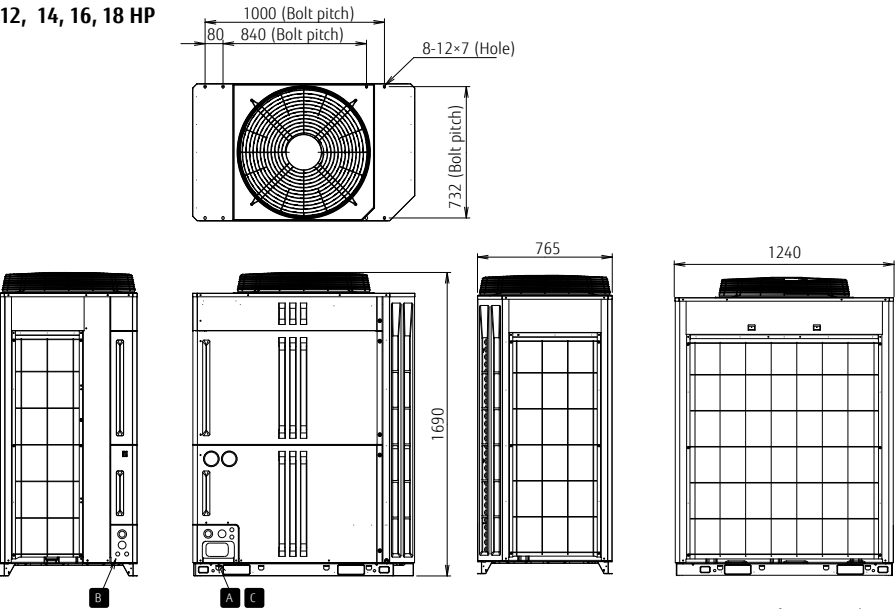
Dimensions

(Unit : mm)

8, 10 HP



12, 14, 16, 18 HP



For more information, please contact Fujitsu General Limited. (www.fujitsu-general.com)

Heat Pump Modular Type



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

System Outline

Excellent energy savings

Heat pump type inverter control is used to achieve economic cooling and heating operation for individual air conditioning to entire air conditioning.

High design flexibility for various building air conditioning

The high static pressure design flexibly meets the needs of high rise buildings including easy installation on each floor.

Easy installation and maintenance

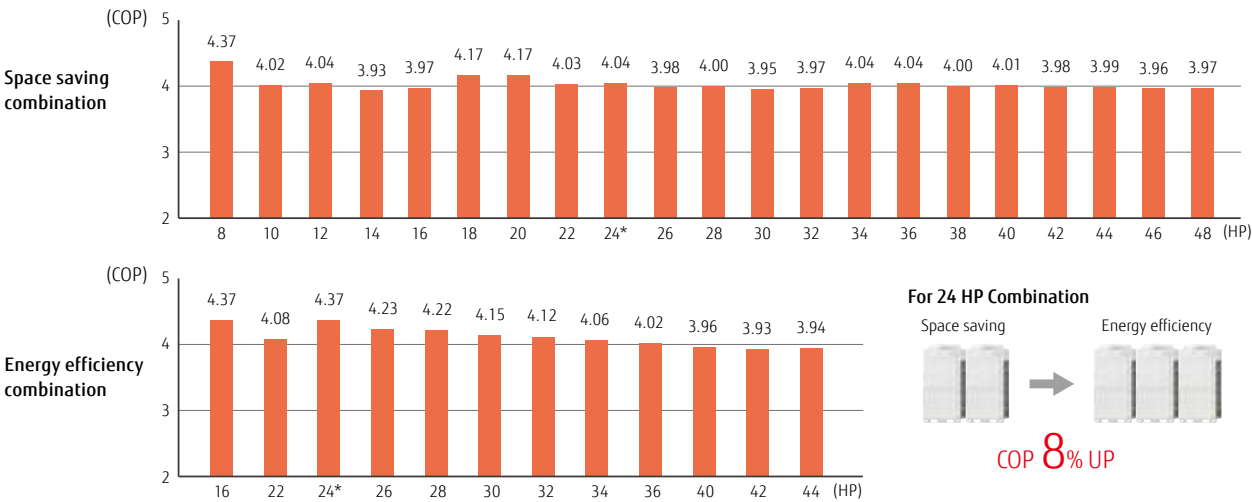
The flexible communication method and piping connections make installation and maintenance easy even for large systems.



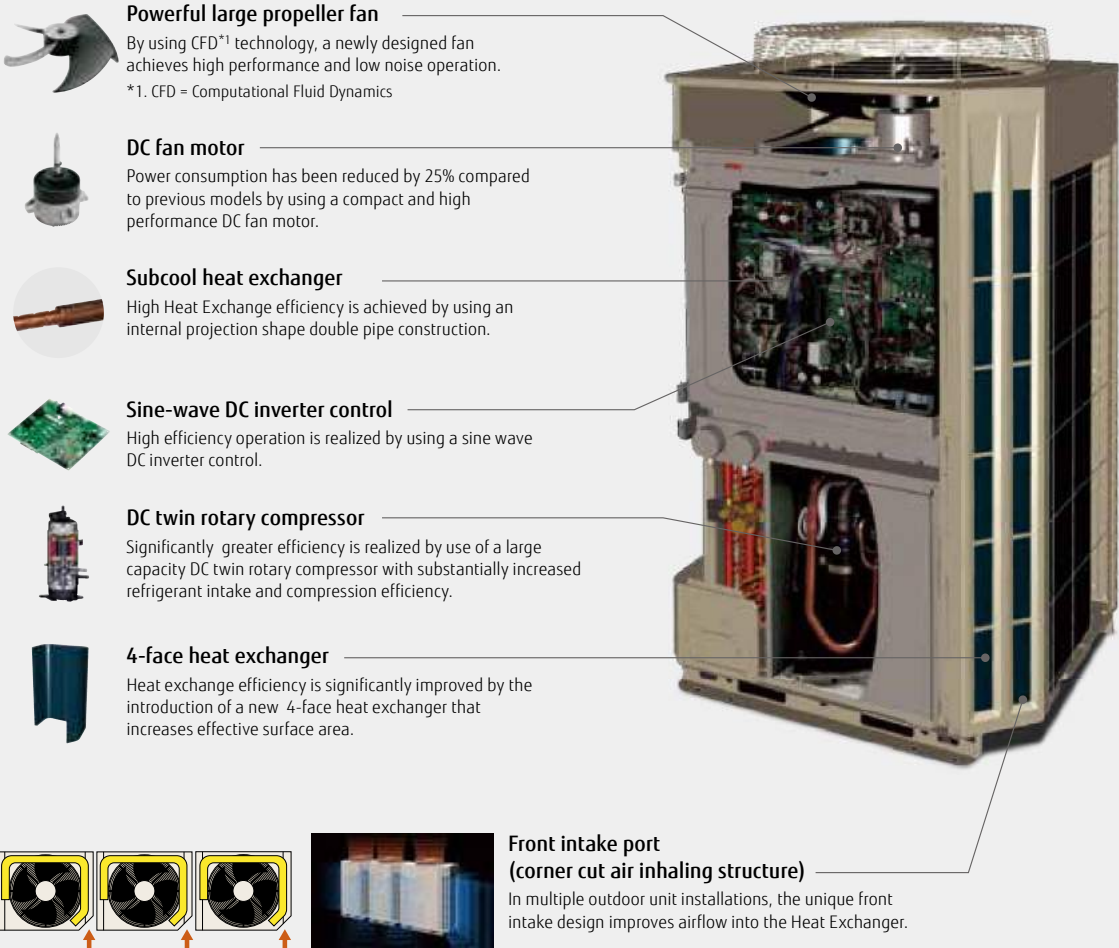
Features

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.



Energy saving technology that boosted operation efficiency



Outdoor units lineup

• Combinations other than the followings are not recommended.

Space saving combination				
22.4 kW (8HP)	28.0 kW (10HP)	33.5 kW (12HP)	40.0 kW (14HP)	45.0 kW (16HP)
 AJYA72LALH UNIT : AJYA72LALH	 AJYA90LALH UNIT : AJYA90LALH	 AJY108LALH UNIT : AJY108LALH	 AJY126LALH UNIT : AJY126LALH	 AJY144LALH UNIT : AJY144LALH
50.4 kW (18HP)	56.9 kW (20HP)	61.5 kW (22HP)	67.0 kW (24HP)	73.5 kW (26HP)
 AJY162LALH UNIT : AJYA90/A72LALH	 AJY180LALH UNIT : AJY108/A72LALH	 AJY198LALH UNIT : AJY108/A90LALH	 AJY216LALH UNIT : AJY108/108LALH	 AJY234LALH UNIT : AJY126/108LALH
78.5 kW (28HP)	85.0 kW (30HP)	90.0 kW (32HP)	95.0 kW (34HP)	100.5 kW (36HP)
 AJY252LALH UNIT : AJY144/108LALH	 AJY270LALH UNIT : AJY144/126LALH	 AJY288LALH UNIT : AJY144/144LALH	 AJY306LALH UNIT : AJY108/108/A90LALH	 AJY324LALH UNIT : AJY108/108/108LALH
107.0 kW (38HP)	112.0 kW (40HP)	118.5 kW (42HP)	123.5 kW (44HP)	130.0 kW (46HP)
 AJY342LALH UNIT : AJY126/108/108LALH	 AJY360LALH UNIT : AJY144/108/108LALH	 AJY378LALH UNIT : AJY144/126/108LALH	 AJY396LALH UNIT : AJY144/144/108LALH	 AJY414LALH UNIT : AJY144/144/126LALH
135.0 kW (48HP)				
 AJY432LALH UNIT : AJY144/144/144LALH				

Energy efficiency combination				
44.8 kW (16HP)	62.4 kW (22HP)	67.2 kW (24HP)	72.8 kW (26HP)	78.4 kW (28HP)
 AJY144LALHH UNIT : AJYA72/A72LALH	 AJY198LALHH UNIT : AJY126/A72LALH	 AJY216LALHH UNIT : AJYA72/A72/A72LALH	 AJY234LALHH UNIT : AJYA90/A72/A72LALH	 AJY252LALHH UNIT : AJY108/A72/A72LALH
84.8 kW (30HP)	89.8 kW (32HP)	95.9 kW (34HP)	102.4 kW (36HP)	113.5 kW (40HP)
 AJY270LALHH UNIT : AJY126/A72/A72LALH	 AJY288LALHH UNIT : AJY108/108/A72LALH	 AJY306LALHH UNIT : AJY126/108/A72LALH	 AJY324LALHH UNIT : AJY126/126/A72LALH	 AJY360LALHH UNIT : AJY126/126/108LALH
120.0 kW (42HP)	125.0 kW (44HP)			
 AJY378LALHH UNIT : AJY126/126/126LALH	 AJY396LALHH UNIT : AJY144/126/126LALH			

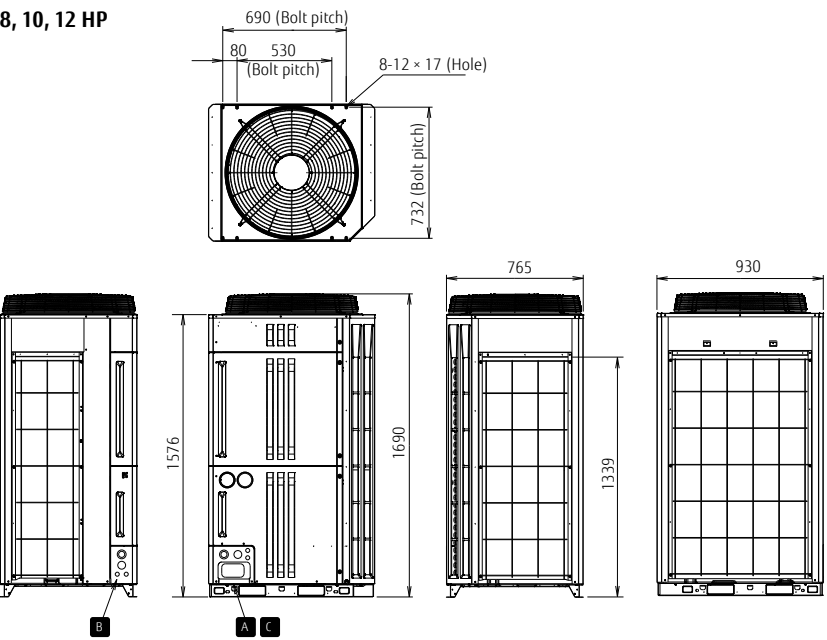
8,10,12HP : AJYA72LALH / AJYA90LALH / AJY108LALH
14,16HP : AJY126LALH / AJY144LALH



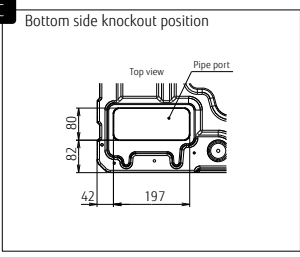
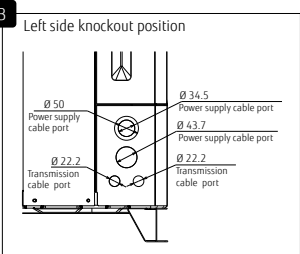
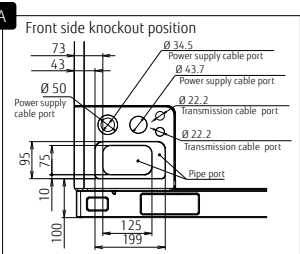
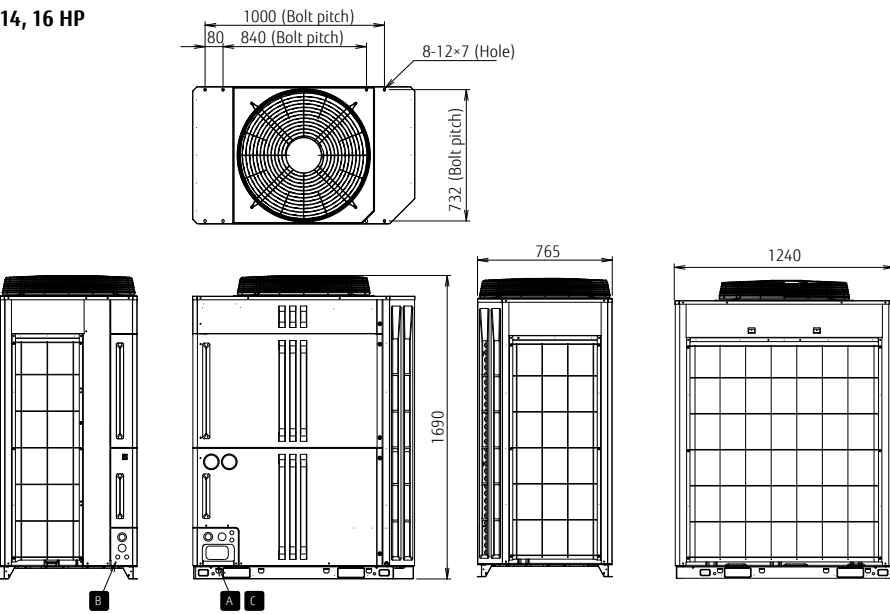
Dimensions

(Unit : mm)

8, 10, 12 HP



14, 16 HP



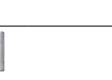
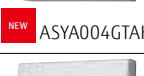
Outdoor units specifications

Space Saving Combination

Rating Capacity range			HP	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	
																									
Set Model name				AJYA72LALH	AJYA90LALH	AJY108LALH	AJY126LALH	AJY144LALH	AJY162LALH	AJY180LALH	AJY198LALH	AJY216LALH	AJY234LALH	AJY252LALH	AJY270LALH	AJY288LALH	AJY306LALH	AJY324LALH	AJY342LALH	AJY360LALH	AJY378LALH	AJY396LALH	AJY414LALH	AJY432LALH	
Unit 1 Unit 2 Unit 3				AJYA72LALH	AJYA90LALH	AJY108LALH	AJY126LALH	AJY144LALH	AJYA90LALH AJYA72LALH	AJY108LALH AJYA72LALH	AJY108LALH AJYA90LALH	AJY108LALH AJY108LALH	AJY126LALH AJY108LALH	AJY144LALH AJY108LALH	AJY144LALH AJY126LALH	AJY144LALH AJY144LALH	AJY108LALH AJY108LALH AJYA90LALH	AJY108LALH AJY108LALH AJY108LALH	AJY126LALH AJY108LALH AJY108LALH	AJY144LALH AJY108LALH AJY108LALH	AJY144LALH AJY126LALH AJY108LALH	AJY144LALH AJY144LALH AJY126LALH	AJY144LALH AJY144LALH AJY126LALH	AJY144LALH AJY144LALH AJY144LALH	
Maximum Connectable Indoor Unit*1				15	16	17	21	24	32	32	32	35	39	42	45	48	48	48	48	48	48	48	48	48	
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	28.0-83.8	30.8-92.2	33.5-100.5	36.8-110.2	39.3-117.7	42.5-127.5	45.0-135.0	47.5-142.5	50.3-150.7	53.5-160.5	56.0-168.0	59.3-177.7	61.8-185.2	65.0-195.0	67.5-202.5
Power source				3-phase 4 wire, 400 V, 50Hz												3-phase 4 wire, 400 V, 50Hz									
Capacity	Cooling	kW		22.4	28.0	33.5	40.0	45.0	50.4	55.9	61.5	67.0	73.5	78.5	85.0	90.0	95.0	100.5	107.0	112.0	118.5	123.5	130.0	135.0	
	Heating			25.0	31.5	37.5	45.0	50.0	56.5	62.5	69.0	75.0	82.5	87.5	95.0	100.0	106.5	112.5	120.0	125.0	132.5	137.5	145.0	150.0	
Input power	Cooling	kW		5.51	7.73	9.62	11.53	14.17	13.24	15.13	17.35	19.24	21.15	23.79	25.70	28.34	26.97	28.86	30.77	33.41	35.32	37.96	39.87	42.51	
	Heating			5.72	7.83	9.28	11.45	12.60	13.55	15.00	17.11	18.56	20.73	21.88	24.05	25.20	26.39	27.84	30.01	31.16	33.33	34.48	36.65	37.80	
EER	Cooling	W/W		4.07	3.62	3.48	3.47	3.18	3.81	3.69	3.54	3.48	3.48	3.30	3.31	3.18	3.52	3.48	3.48	3.35	3.36	3.25	3.26	3.18	
COP	Heating	W/W		4.37	4.02	4.04	3.93	3.97	4.17	4.17	4.03	4.04	3.98	4.00	3.95	3.97	4.04	4.04	4.00	4.01	3.98	3.99	3.96	3.97	
Air flow late	High	m³/h		11,100	11,100	11,100	13,000	13,000	11,100 × 2	11,100 × 2	11,100 × 2	11,100 × 2	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	
Sound pressure level*2	Cooling	dB(A)		56	58	58	60	61	60	60	61	61	62	63	64	64	63	63	64	64	65	65	65	66	
	Heating			58	59	60	61	61	62	62	63	63	64	64	64	64	64	65	65	65	65	65	66	66	
Maximum external static pressure				Pa	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	
Compressor motor output				kW	3.9	3.9	3.9 + 4.5	3.9 + 4.5	3.9 × 2	3.9 × 2 + 4.5	3.9 × 2 + 4.5	3.9 × 2 + 4.5 × 2	3.9 × 2 + 4.5 × 2	3.9 × 2 + 4.5 × 2	3.9 × 2 + 4.5 × 2	3.9 × 2 + 4.5 × 2	3.9 × 3 + 4.5 × 2	3.9 × 3 + 4.5 × 3	3.9 × 3 + 4.5 × 3	3.9 × 3 + 4.5 × 3	3.9 × 3 + 4.5 × 3	3.9 × 3 + 4.5 × 3	3.9 × 3 + 4.5 × 3	3.9 × 3 + 4.5 × 3	
Heat exchanger fin					Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	
Net Dimensions	Height	mm		1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	
	Width			930	930	930	1,240	1,240	930 × 2	930 × 2	930 × 2	930 × 2	930 + 1,240	930 + 1,240	1,240 × 2	1,240 × 2	930 × 3	930 × 3	930 × 2 + 1,240	930 × 2 + 1,240	930 + 1,240 × 2	930 + 1,240 × 2	1,240 × 3	1,240 × 3	
	Depth			765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	
Weight				kg	220	220	275	303	303	220 + 220	275 + 220	275 + 220	275 + 275	303 + 275	303 + 275	303 + 303	296 + 296	275 + 275 + 220	275 + 275 + 275	303 + 275 + 275	303 + 275 + 275	303 + 303 + 275	303 + 303 + 275	303 + 303 + 303	303 + 303 + 303
Refrigerant	Type (Global Warming Potential)			R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	
	Charge	kg(CO2eq-T)		11.2 (23.4)	11.2 (23.4)	11.8 (24.6)	11.8 (24.6)	11.8 (24.6)	11.2×2 (23.4×2)	11.8+11.2 (24.6+23.4)	11.8+11.2 (24.6+23.4)	11.8×2 (24.6×2)	11.8×2 (24.6×2)	11.8×2 (24.6×2)	11.8×2 (24.6×2)	11.8×2 (24.6×2)	11.8×2+11.2 (24.6×2+23.4)	11.8×3 (24.6×3)	11.8×3 (24.6×3)	11.8×3 (24.6×3)	11.8×3 (24.6×3)	11.8×3 (24.6×3)	11.8×3 (24.6×3)	11.8×3 (24.6×3)	
Connection pipe diameter	Liquid	mm		12.70	12.70	12.70	12.70	12.70	15.88	15.88	15.88	15.88	15.88	15.88	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	
	Gas			22.22	22.22	28.58	28.58	28.58	28.58	28.58	34.92	34.92	34.92	34.92	34.92	34.92	34.92	41.27	41.27	41.27	41.27	41.27	41.27	41.27	
Operation range	Cooling	°CDB		-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	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	
	Heating			-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	

Energy Efficiency Combination

Rating Capacity range		HP	16	22	24	26	28	30	32	34	36	40	42	44
														
Set Model name			AJY144LALHH	AJY198LALHH	AJY216LALHH	AJY234LALHH	AJY252LALHH	AJY270LALHH	AJY288LALHH	AJY306LALHH	AJY324LALHH	AJY360LALHH	AJY378LALHH	AJY396LALHH
Unit 1 Unit 2 Unit 3			AJYA72LALH AJYA72LALH	AJY126LALH AJYA72LALH	AJYA72LALH AJYA72LALH AJYA72LALH	AJYA90LALH AJYA72LALH AJYA72LALH	AJY108LALH AJYA72LALH AJYA72LALH	AJY126LALH AJYA72LALH AJYA72LALH	AJY108LALH AJY108LALH AJYA72LALH	AJY126LALH AJY108LALH AJYA72LALH	AJY126LALH AJY126LALH AJYA72LALH	AJY126LALH AJY126LALH AJY108LALH	AJY126LALH AJY126LALH AJY126LALH	AJY144LALH AJY126LALH AJY126LALH
Maximum Connectable Indoor Unit*1			30	33	36	39	42	45	48	48	48	48	48	48
Indoor unit connectable capacity		kW	22.4-67.2	31.2-93.6	33.6-100.8	36.4-109.2	39.2-117.4	42.4-127.2	44.7-134.1	48.0-143.8	51.2-153.6	56.8-170.2	60.0-180.0	62.5-187.5
Power source			3-phase 4 wire, 400 V, 50Hz											
Capacity	Cooling	kW	44.8	62.4	67.2	72.8	78.3	84.8	89.4	95.9	102.4	113.5	120.0	125.0
	Heating		50.0	70.0	75.0	81.5	87.5	95.0	100.0	107.5	115.0	127.5	135.0	140.0
Input power	Cooling	kW	11.02	17.04	16.53	18.75	20.64	22.55	24.75	26.66	28.57	32.68	34.59	37.23
	Heating		11.44	17.17	17.16	19.27	20.72	22.89	24.28	26.45	28.62	32.18	34.35	35.50
EER	Cooling	W/W	4.07	3.66	4.07	3.88	3.79	3.76	3.61	3.60	3.58	3.47	3.47	3.36
COP	Heating	W/W	4.37	4.08	4.37	4.23	4.22	4.15	4.12	4.06	4.02	3.96	3.93	3.94
Air flow late	High	m³/h	11,100 × 2	13,000 + 11,100	11,100 × 3	11,100 × 3	11,100 × 3	13,000 + 11,000 × 2	11,100 × 3	13,000 + 11,100 × 2	13,000 × 2 + 11,100	13,000 × 2 + 11,100	13,000 × 3	13,000 × 3
Sound pressure level*2	Cooling	dB(A)	59	61	61	62	62	63	62	63	64	64	65	65
	Heating		59	62	61	62	63	63	64	64	65	65	66	66
Maximum external static pressure		Pa	80	80	80	80	80	80	80	80	80	80	80	80
Compressor motor output		kW	3.9 × 2	3.9 × 2 + 4.5	3.9 × 3	3.9 × 3	3.9 × 3 + 4.5	3.9 × 3 + 4.5	3.9 × 3 + 4.5 × 2	3.9 × 3 + 4.5 × 2	3.9 × 3 + 4.5 × 2	3.9 × 3 + 4.5 × 2	3.9 × 3 + 4.5 × 3	3.9 × 3 + 4.5 × 3
Heat exchanger fin			Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin
Net Dimensions	Height	mm	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690
	Width		930 × 2	930 + 1,240	930 × 3	930 × 3	930 × 3	930 × 2 + 1,240	930 × 3	930 × 2 + 1,240	930 + 1,240 × 2	930 + 1,240 × 2	1,240 × 3	1,240 × 3
	Depth		765	765	765	765	765	765	765	765	765	765	765	765
Weight		kg	220 + 220	303 + 220	220 + 220 + 220	220 + 220 + 220	275 + 220 + 220	303 + 220 + 220	275 + 275 + 220	303 + 275 + 220	303 + 303 + 220	303 + 303 + 275	303 + 303 + 303	303 + 303 + 303
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	kg(CO2eq-T)	11.2+2 (23.4×2)	11.8+11.2 (24.6+23.4)	11.2×3 (23.4×3)	11.2×3 (23.4×3)	11.8+11.2×2 (24.6+23.4×2)	11.8+11.2×2 (24.6×2+23.4)	11.8×2+11.2 (24.6×2+23.4)	11.8×2+11.2 (24.6×2+23.4)	11.8×2+11.2 (24.6×2+23.4)	11.8×3 (24.6×3)	11.8×3 (24.6×3)	11.8×3 (24.6×3)
Connection pipe diameter	Liquid	mm	12.70	15.88	15.88	15.88	15.88	19.05	19.05	19.05	19.05	19.05	19.05	19.05
	Gas		28.58	34.92	34.92	34.92	34.92	34.92	34.92	34.92	41.27	41.27	41.27	41.27
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	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46
	Heating		-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21

Capacity range (kW)		1.1	2.2	2.8	3.6	4.5	5.6	7.1	9.0	10.0	11.2	12.5	14.0	18.0	22.4	25.0	28.0
Model code		4	7	9	12	14	18	24	30	34	36	45	54	60	72	90	96
Cassette	Compact																
	4-way Flow Slim type																
	4-way Flow Large type																
	 Circular Flow Slim type																
	 Circular Flow Large type																
Duct	Mini Duct (With drain pump)	 															
	Slim Duct (With drain pump)																
	Medium Static Pressure Duct																
	High Static Pressure Duct																
	Large Airflow Duct																
Floor	Floor (*Same as Ceiling models)																
	Slim Concealed Floor (*Same as Slim Duct models)																
	 Compact Floor																
	 Compact Floor (EEV external)						With this model, connection of EV kit is necessary.										
Ceiling																	
Wall Mounted	Wall Mounted	 	 	 			 	 	 	 							
	Wall Mounted (EEV external)	 	 	 			With this model, connection of EV kit is necessary.										

*1: Large Airflow Duct can be connected to V-III series only.

Indoor Units for LARGE VRF Specifications



4-way Compact Cassette

NEW



Model name			AUXB04GBLH	AUXB07GALH	AUXB09GALH	AUXB12GALH	AUXB14GALH	AUXB18GALH	AUXB24GALH
Power source			Single-phase, ~230V, 50Hz						
Capacity	Cooling	kW	1.1	2.2	2.8	3.6	4.5	5.6	7.1
	Heating		1.3	2.8	3.2	4.1	5.0	6.3	8.0
Input power		W	23	25	25	29	35	36	84
Airflow rate	High	m³/h	530	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	dB(A)	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(lbs)	15 (33)						17 (37)
Connection pipe diameter	Liquid (Flare)	mm	6.35						9.52
	Gas (Flare)		12.70						15.88
Drain hose diameter (I.D./O.D.)			25/32						
Cassette Grille	Model name		UTG-UFYC-W						
	Net Dimensions (H×W×D)		mm	50 × 700 × 700					
	Weight		kg(lbs)	2.6 (6)					

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	AUXA18GALH	AUXA24GALH	AUXA30GALH	AUXA34GALH	AUXA36GALH	AUXA45GALH	AUXA54GALH
Power source			Single-phase, ~230V, 50Hz								
Capacity	Cooling	kW	5.6	7.1	5.6	7.1	9.0	10.0	11.2	12.5	14.0
	Heating		6.3	8.0	6.3	8.0	10.0	11.2	12.5	14.0	16.0
Input power		W	39	46	51	51	59	77	80	99	119
Airflow rate	High	m³/h	1,150	1,280	1,420	1,420	1,600	1,750	1,800	1,900	2,000
	Med		940	1,040	1,230	1,230	1,300	1,300	1,300	1,370	1,370
	Low		870	870	1,100/1,000*	1,100/1,000*	1,100	1,100	1,100	1,100	1,100
Sound pressure level	High	dB(A)	36	38	40	40	40	43	44	46	47
	Med		30	33	36	36	38	38	38	39	39
	Low		29	29	33/31*¹	33/31*¹	33	33	33	33	33
Net Dimensions (H × W × D)			mm			288 × 840 × 840					
Weight			kg(lbs)			22 (48)					
Connection pipe diameter	Liquid (Flare)	mm					9.52				
	Gas (Flare)						15.88		19.05		
Drain hose diameter (I.D./O.D.)						25/32					
Cassette Grille	Model name		UTG-UGYA-W								
	Net Dimensions (H×W×D)		mm		50 × 950 × 950						
	Weight		kg(lbs)		5.5 (12)						

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

Circular Flow Cassette

NEW



Model name			AUXM018GLAH	AUXM024GLAH	AUXM030GLAH	AUXK018GLAH	AUXK024GLAH	AUXK030GLAH	AUXK034GLAH	AUXK036GLAH	AUXK045GLAH	AUXK054GLAH
Power source			Single-phase, ~230V, 50Hz									
Capacity	Cooling	kW	5.6	7.1	9.0	5.6	7.1	9.0	10.0	11.2	12.5	14.0
	Heating		6.3	8.0	10.0	6.3	8.0	10.0	11.2	12.5	14.0	16.0
Input power		W	20	25	49	40	40	47	47	61	89	116
Airflow rate	High	m³/h	1,050	1,120	1,470	1,420	1,420	1,440	1,440	1,620	1,820	2,040
	Med-H		930	1,050	1,160	1,360	1,360	1,440	1,440	1,500	1,590	1,800
	Med		900	930	1,070	1,300	1,300	1,340	1,340	1,400	1,500	1,590
	Med-L		870	900	930	1,270	1,270	1,300	1,300	1,340	1,400	1,440
	Low		810	870	900	1,200	1,200	1,280	1,280	1,280	1,300	1,300
	Quiet		780	780	780	1,150	1,150	1,150	1,150	1,150	1,150	1,150
Sound pressure level	High	dB(A)	33	35	40	38	38	39	39	41	44	47
	Med-H		32	33	36	37	37	38	38	40	42	45
	Med		31	32	34	36	36	37	37	38	40	42
	Med-L		30	31	32	35	35	36	36	37	38	39
	Low		29	30	31	34	34	35	35	36	36	36
	Quiet		28	28	28	33	33	33	33	33	33	33
Net Dimensions (H × W × D)		mm	246 × 840 × 840					288 × 840 × 840				
Weight		kg(lbs)	24.0 (53)	24.5 (54)	24.5 (54)	26.5 (58)	26.5 (58)	29.5 (65)	29.5 (65)	29.5 (65)	29.5 (65)	29.5 (65)
Connection pipe diameter	Liquid (Flare)	mm	6.35			9.52			9.52			
	Gas (Flare)		12.70			15.88			15.88			
Drain hose diameter (I.D./O.D.)			25/32					25/32				
Cassette Grille	Model name		UTG-UKYC-W / UTG-UKYA-B					UTG-UKYC-W / UTG-UKYA-B				
	Net Dimensions (H×W×D)		mm	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950
	Weight		kg(lbs)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)

Note : Specifications are based on the following conditions. Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB. Heating : Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB. Pipe length : 7.5 m; Height difference between outdoor unit and indoor unit : 0 m. Voltage : 230 [V]. When AUX*018GLAH is connected to the outdoor unit other than J-IIIIL, pipe diameter should be Ø9.52/Ø15.88 (Liq/Gas). When AUXK036GLAH, AUXK045GLAH, and AUXK054GLAH are connected to the outdoor unit other than J-IIIIL, gas pipe diameter should be Ø19.05.

Indoor Units for LARGE VRF Specifications



Mini Duct

			NEW						
Model name			ARXK04GCLH	ARXK07GCLH	ARXK09GCLH	ARXK12GCLH	ARXK14GCLH	ARXK18GCLH	ARXK24GCLH
Power source			Single-phase, ~230V, 50Hz						
Capacity	Cooling	kW	1.1	2.2	2.8	3.6	4.5	5.6	7.1
	Heating		1.3	2.8	3.2	4.0	5.0	6.3	8.0
Input power		W	26	28	28	35	66	73	80
Airflow rate	High	m³/h	460	460	460	550	760	930	1,160
	Med-H		440	—	—	—	—	—	—
	Med		420	420	420	480	560	740	960
	Med-L		400	—	—	—	—	—	—
	Low		370	370	370	410	410	540	750
	Quiet		340	—	—	—	—	—	—
Static pressure range		Pa	0 to 30				0 to 50		
Standard static pressure			10				15		
Sound pressure level	High	dB(A)	25	26	26	29	34	33	32
	Med-H		24	25	25	27	31	30	30
	Med		23	24	24	26	28	28	28
	Med-L		22	23	23	25	26	26	27
	Low		21	22	22	24	24	24	25
	Quiet		20	21	21	22	22	22	22
Net Dimensions (H × W × D)		mm	198 × 700 × 450				198 × 900 × 450	198 × 1,100 × 450	
Weight		kg(lbs)	14.5 (32)	15.5 (34)		16 (35)		19 (42)	22.5 (50)
Connection pipe diameter	Liquid (Flare)	mm	6.35	6.35			9.52		
	Gas (Flare)		9.52	12.70			15.88		
Drain hose diameter (I.D./O.D.)			25/32						

Note : Specifications are based on the following conditions.

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

Slim Duct / Slim Concealed Floor

Model name			ARXD04GALH	ARXD07GALH	ARXD09GALH	ARXD12GALH	ARXD14GALH	ARXD18GALH	ARXD24GALH
Power source			Single-phase, ~230V, 50Hz						
Capacity	Cooling	kW	1.1	2.2	2.8	3.6	4.5	5.6	7.1
	Heating		1.3	2.8	3.2	4.0	5.0	6.3	8.0
Input power		W	40	44	50	54	92	83	122
Airflow rate	High	m³/h	510	550	600	600	800	940	1,330
	Med		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	25	25	25	25	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(lbs)	17 (37)			18 (40)		22 (48)	26 (57)
Connection pipe diameter	Liquid (Flare)	mm	6.35			9.52			
	Gas (Flare)		12.70			15.88			
Drain hose diameter (I.D./O.D.)			25/32						

Note : Specifications are 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	Cooling	kW	7.1	9.0	11.2	12.5
	Heating		8.0	10.0	12.5	14.0
Input power		W	94	108	194	240
Airflow rate	High	m³/h	1,280	1,410	1,840	1,970
	Med		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	50	50	60
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(lbs)	36 (79)	40 (88)		
Connection pipe diameter	Liquid (Flare)	mm	9.52			
	Gas (Flare)		15.88			
Drain hose diameter (I.D./O.D.)				25/32		

Note : Specifications are based on the following conditions.

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

High Static Pressure Duct

Model name			ARXC36GBTH	ARXC45GATH	ARXC60GATH*	ARXC72GBTH	ARXC90GBTH	ARXC96GATH
Power source			Single-phase, ~230V, 50Hz					
Capacity	Cooling	kW	11.2	12.5	18.0	22.4	25.0	28.0
	Heating		12.5	14.0	20.0	25.0	28.0	31.5
Input power		W	207	715	730	681	819	838
Airflow rate	High	m³/h	1,990	3,500	3,500	3,900	4,300	4,850
	Med		1,680	3,000	3,000	3,300	4,000	4,250
	Low		1,330	2,460	2,460	3,000	3,500	3,600
Static pressure range		Pa	0 to 200	100 to 250	100 to 250	0 to 300	0 to 300	0 to 300
Standard static pressure			100	100	100	150	150	150
Sound pressure level	High	dB(A)	42	49	49	47	48	48
	Med		36	45	45	43	46	45
	Low		32	42	42	40	44	42
Net Dimensions (H × W × D)		mm	400 × 1,050 × 500			450 × 1,587 × 700		550 × 1,587 × 700
Weight		kg(lbs)	40 (88)	46 (101)		84 (185)		105 (231)
Connection pipe diameter	Liquid	mm	9.52 (Flare)			12.70 (Brazing)		
	Gas		19.05 (Flare)			22.22 (Brazing)		
Drain hose diameter (I.D./O.D.)			25/32					

Note : Specifications are based on the following conditions.

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

Large Airflow Duct

Model name			ARXN18GATH	ARXN24GATH	ARXN30GATH	ARXN34GATH	ARXN36GATH	ARXN45GATH
Power source			Single-phase, ~230V, 50Hz					
Capacity	Cooling	kW	5.6	7.1	9.0	10.0	11.2	12.5
	Heating		6.3	8.0	10.0	11.2	12.5	14.0
Input power		W	154	205	306	432	572	572
Airflow rate	High	m³/h	2,280	2,640	3,200	3,720	4,120	4,120
	Med		—	—	—	—	—	—
	Low		—	—	—	—	—	—
Static pressure range		Pa	50 to 100	50 to 150	50 to 250	50 to 250	50 to 300	50 to 300
Standard static pressure			50	50	50	50	60	60
Sound pressure level	High	dB(A)	35	37	40	43	45	45
	Med		—	—	—	—	—	—
	Low		—	—	—	—	—	—
Net Dimensions (H × W × D)		mm	450 × 1,587 × 700					
Weight		kg(lbs)	84 (185)					
Connection pipe diameter	Liquid	mm	9.52 (Flare)					
	Gas		15.88 (Flare)			19.05 (Flare)		
Drain hose diameter (I.D./O.D.)			25/32					

Note : Specifications are based on the following conditions.

Large Airflow Duct can be connected to V-III series only.

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

Compact Floor

NEW

Model name			AGYA004GCAH	AGYA007GCAH	AGYA009GCAH	AGYA012GCAH	AGYA014GCAH	AGYE004GCAH	AGYE007GCAH	AGYE009GCAH	AGYE012GCAH	AGYE014GCAH
Power source			Single-phase, ~230V, 50Hz				Single-phase, ~230V, 50Hz					
Capacity	Cooling	kW	1.1	2.2	2.8	3.6	4.0	1.1	2.2	2.8	3.6	4.0
	Heating		1.3	2.8	3.2	4.0	4.5	1.3	2.8	3.2	4.0	4.5
Input power		W	12 / 14	16	17	22	29	12 / 14	16	17	22	29
Airflow rate	High	m³/h	380 / 430	470	500	590	670	380 / 430	470	500	590	670
	Med-H		350	420	450	520	590	350	420	450	520	590
	Med		320	390	400	470	520	320	390	400	470	520
	Med-L		310	360	360	420	450	310	360	360	420	450
	Low		280	330	330	390	390	280	330	330	390	390
	Quiet		210	270	270	340	340	210	270	270	340	340
Sound pressure level	High	dB(A)	35 / 36	37	38	42	46	35 / 36	37	38	42	46
	Med-H		33	35	36	39	42	33	35	36	39	42
	Med		31	33	34	37	39	31	33	34	37	39
	Med-L		30	31	31	35	36	30	31	31	35	36
	Low		28	29	29	33	33	28	29	29	33	33
	Quiet		22	22	22	30	30	22	22	22	30	30
Net Dimensions (H × W × D)		mm	600 x 740 x 200				600 x 740 x 200					
Weight		kg(lbs)	15 (33)	15 (33)	15 (33)	15 (33)	15 (33)	14.5 (32)	14.5 (32)	14.5 (32)	14.5 (32)	14.5 (32)
Connection pipe diameter	Liquid (Flare)	mm	6.35		6.35		6.35		6.35		6.35	
	Gas (Flare)		9.52		12.70		9.52		12.70			
Drain hose diameter (I.D./O.D.)			13.8/15.8to16.7				13.8/15.8to16.7					
EV Kit (option)			-				UTR-EV09XB				UTR-EV14XB	

Indoor Units for LARGE VRF Specifications

Floor/Ceiling



Model name			ABYA12GATH	ABYA14GATH	ABYA18GATH	ABYA24GATH
Power source			Single-phase, ~230V, 50Hz			
Capacity	Cooling	kW	3.6	4.5	5.6	7.1
	Heating		4.0	5.0	6.3	8.0
Input power		W	30	42	74	99
Airflow rate	High	m³/h	660	780	1,000	1,000
	Med		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(lbs)	25 (55)	26 (57)	26 (57)	27 (59)
Connection pipe diameter	Liquid (Flare)	mm	6.35		9.52	
	Gas (Flare)		12.70		15.88	
Drain hose diameter (I.D./O.D.)			25/32			

Note : Specifications are 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	Cooling	kW	9.0	11.2	12.5	14.0
	Heating		10.0	12.5	14.0	16.0
Input power		W	66	85	131	180
Airflow rate	High	m³/h	1,630	1,690	2,010	2,270
	Med		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(lbs)	46 (101)		48 (106)	
Connection pipe diameter	Liquid (Flare)	mm	9.52		9.52	
	Gas (Flare)		15.88		19.05	
Drain hose diameter (I.D./O.D.)			25/32			

Note : Specifications are based on the following conditions.

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

Wall Mounted

NEW

ASY*004/007/009GTAH



Model name			ASYA004GTAH	ASYA007GTAH	ASYA009GTAH	ASYA12GACH	ASYA14GACH	ASYE004GTAH	ASYE007GTAH	ASYE009GTAH	ASYE12GACH	ASYE14GACH	
Power source			Single-phase, ~230V, 50Hz				Single-phase, ~230V, 50Hz						
Capacity	Cooling	kW	1.1	2.2	2.8	3.6	4.5	1.1	2.2	2.8	3.6	4.5	
	Heating		1.3	2.8	3.2	4.1	5.0	1.3	2.8	3.2	4.1	5.0	
Input power		W	13	19	34	22	34	13	19	34	21	34	
Airflow rate	High	m³/h	430	550	720	560	670	430	550	720	560	680	
	Med-H		420	460	570	—	—	420	460	570	—	—	
	Med		390	420	500	480	490	390	420	500	480	490	
	Med-L		380	390	410	—	—	380	390	410	—	—	
	Low		360	360	360	420	420	360	360	360	420	420	
	Quiet		330	330	330	—	—	330	330	330	—	—	
	High		31	35	43	39	44	31	35	43	38	43	
	Med-H		30	32	38	—	—	30	32	38	—	—	
Sound pressure level	Med	dB(A)	28	30	34	35	37	28	30	34	34	35	
	Med-L		26	27	29	—	—	26	27	29	—	—	
	Low		24	24	24	31	32	24	24	24	30	30	
	Quiet		22	22	22	—	—	22	22	22	—	—	
	Quiet		22	22	22	—	—	22	22	22	—	—	
Net Dimensions (H × W × D)		mm	262 × 820 × 206				275 × 790 × 215		262 × 820 × 206			275 × 790 × 215	
Weight		kg(libs)	7.5 (17)	7.5 (17)	7.5 (17)	9 (20)		7 (15)	7 (15)	7 (15)	9 (20)		
Connection pipe diameter	Liquid (Flare)	mm	6.35			6.35		6.35			6.35		
	Gas (Flare)		9.52			12.70		9.52			12.70		
Drain hose diameter (I.D./O.D.)			13.8/15.8 to16.7			13.8/15.8 to16.7		13.8/15.8 to16.7			13.8/15.8 to16.7		
EV Kit (option)			—			—		UTR-EV09XB			UTR-EV14XB		

Note : Specifications are based on the following conditions.

Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.
Heating : Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.
Pipe length : 7.5 m; Height difference between outdoor unit and indoor unit : 0 m.
Voltage : 230 [V].
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			ASYA18GBCH	ASYA24GBCH	ASYA030GTAH	ASYA034GTAH
Power source			Single-phase, ~230V, 50Hz		Single-phase, ~230V, 50Hz	
Capacity	Cooling	kW	5.6	7.1	9.0	10.0
	Heating		6.3	8.0	10.0	11.2
Input power		W	32	60	74	103
Airflow rate	High	m³/h	840	1,100	1,440	1,620 / 1,520
	Med-H		-	-	1,200	1,300
	Med		770	910	1,050	1,120
	Med-L		-	-	940	980
	Low		690	730	890	890
	Quiet		-	-	700	700
Sound pressure level	High	dB(A)	41	48	53	55 / 54
	Med-H		-	-	49	51
	Med		39	43	45	47
	Med-L		-	-	42	43
	Low		35	35	39	39
	Quiet		-	-	33	33
Net Dimensions (H × W × D)		mm	320 x 998 x 238		340 x 1,150 x 280	
Weight		kg(lbs)	15 (33)	15 (33)	18 (40)	18 (40)
Connection pipe diameter	Liquid (Flare)	mm	6.35	9.52	9.52	
	Gas (Flare)		12.70	15.88	15.88	
Drain hose diameter (I.D./O.D.)			12/16		13.8/15.8 to16.7	

Note : Specifications are based on the following conditions.

Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.
Heating : Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.
Pipe length : 7.5 m; Height difference between outdoor unit and indoor unit : 0 m.
Voltage : 230 [V].
When ASYA18GBCH is connected to the outdoor unit other than J-III, pipe diameter should be Ø9.52/Ø15.88 (Liq/Gas).

