

FUJITSU

GENERAL

Cooling Only

VRF **VC-V**



*This product image is for illustrative purposes only.

INVERTER

FUJITSU GENERAL LIMITED

From city to oasis and to the future of the Earth



8 / 10 / 12 HP models

14 / 16 HP models



INVERTER

Smart, cutting-edge design Extensive lineup from 8 HP to 80 HP with the capacity ratio of indoor units connectable up to 150%.

51 models with 8 to 80 HP

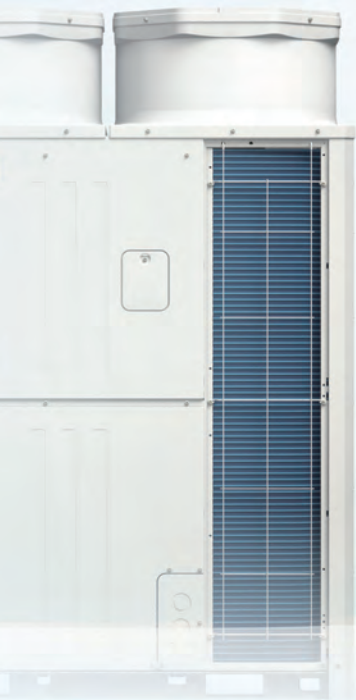
- Standard combination: 37 models from 8 to 80 HP
- Energy efficient combination: 14 models from 16 to 44 HP

Cooling Only type

VRF VC-V

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.



18 / 20 HP models



More wide lineup **51** models with 8 to **80** HP

Standard combination improvement

New ranges

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	56	58	60	62	64	66	68	70	72	74	76	78	80				
Standard	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	➔															
Energy Efficiency					●	●	●		●	●	●	●	●	●	●	●	●	●	●																						

Compact is **Reduces**

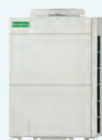


Standard combination and **compact size**

Space efficiency has been achieved by significantly reducing the chassis of the outdoor units compared to previous models.

12 HP New using space

0.71m²



12 HP Current using space

0.95 m²

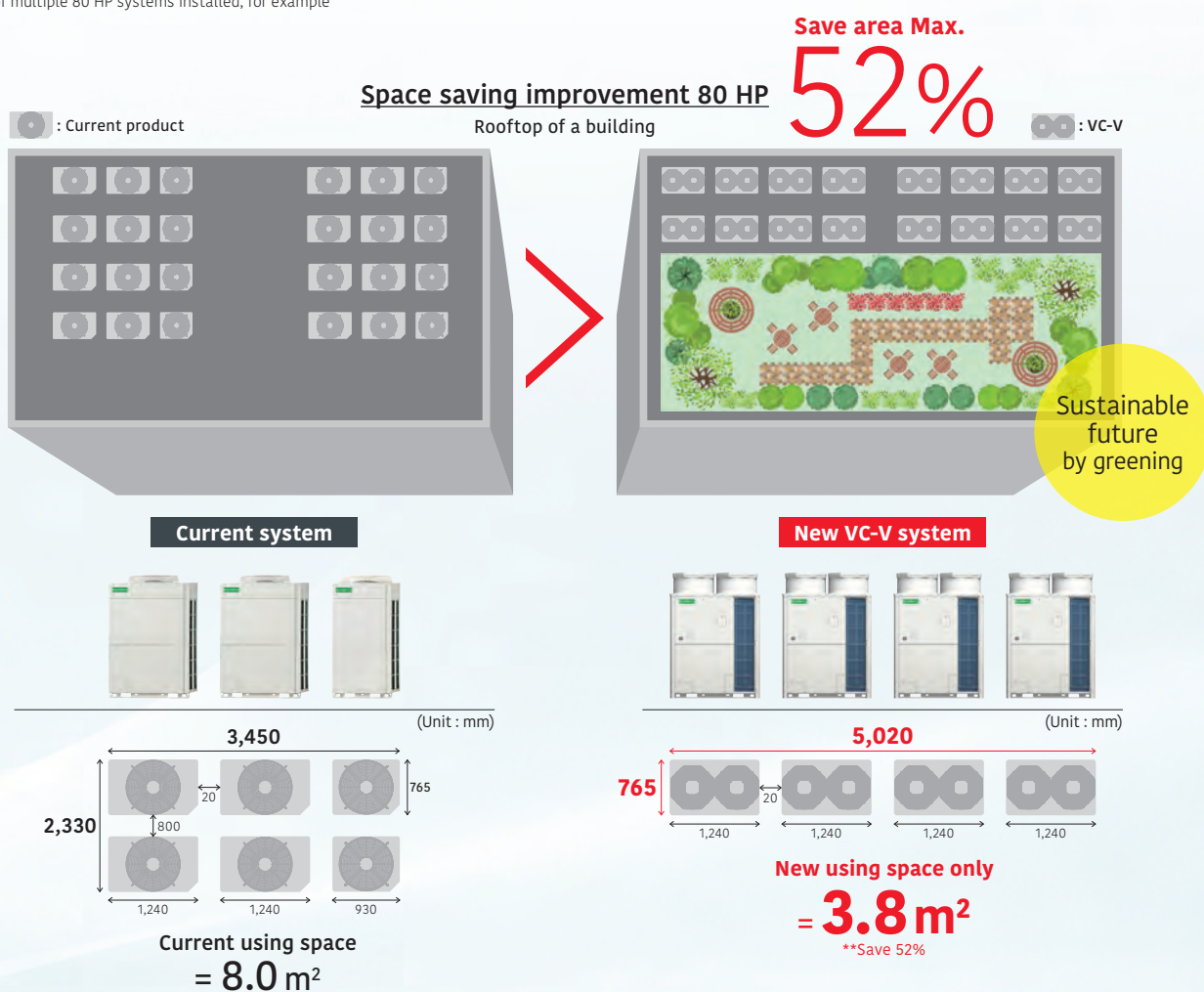


Reduces the number of systems and installation area

Since the installation area can be reduced, the reduced space can be used for other purposes.

For example, the area can be used as a biotope to contribute to a sustainable future by greening it.

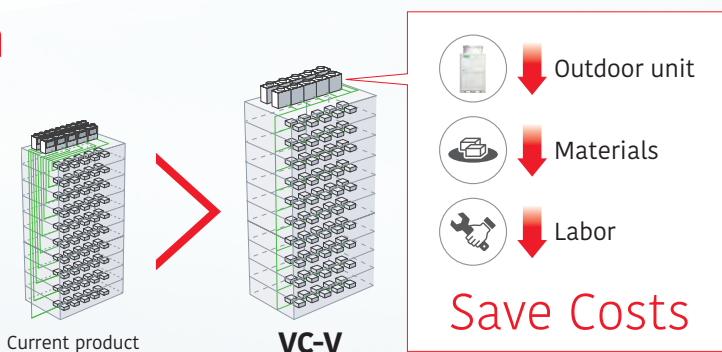
*Comparison of multiple 80 HP systems installed, for example



Contributes to reduction of project costs

Up to 80 HP can be selected for a single refrigerant system.

This reduces the number of outdoor units and materials required for installation (piping, power lines, communication lines, racking, breakers, conduit, etc.) compared to conventional products. This product is expected to reduce project costs.



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

High system flexibility

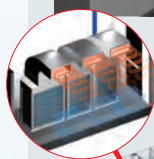
The industry-leading high static pressure, long pipe design, and connection capacity enable flexible installation on each floor and installation of various indoor units.



Condenser hood connected

High static pressure

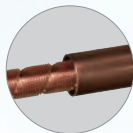
82 Pa



Installation example

Subcool heat exchanger

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



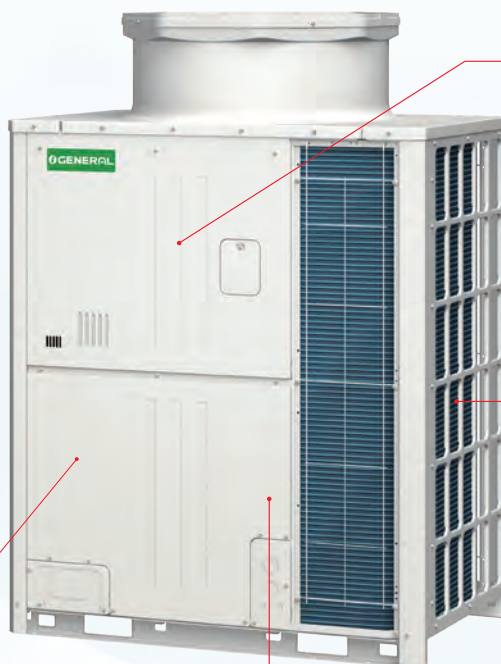
3 phase DC fan motor

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

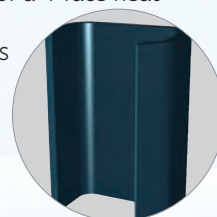
High efficiency is realized by adoption of reduced switching loss IPM.



4-face heat exchanger

*14-20HP only

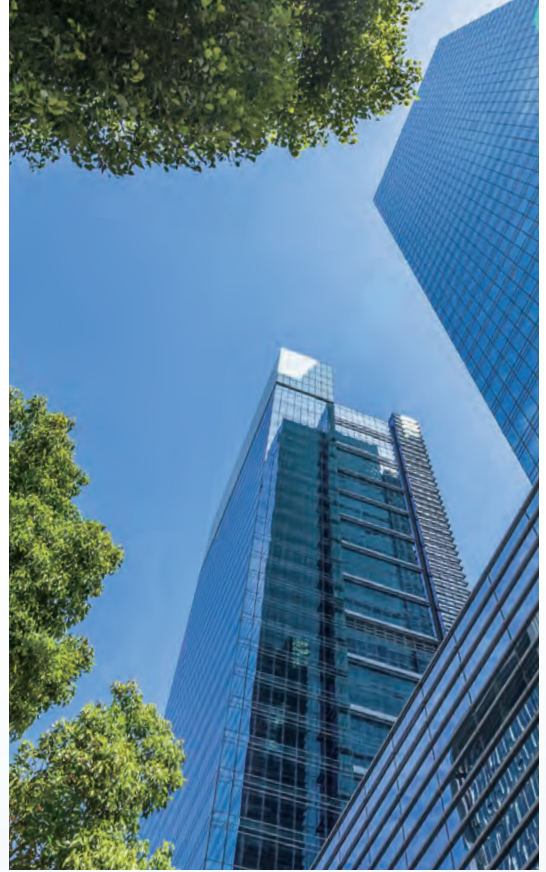
Heat exchange efficiency is significantly improved by the introduction of a 4-face heat exchanger that increases effective surface area.



High Performance Scroll Compressor

The combination of a scroll compressor and our proprietary sensorless sine-wave control that smoothly controls the input power into the motor can achieve a wider rotational frequency range from 15 to 120 rps, resulting in energy-efficient and quieter operation.





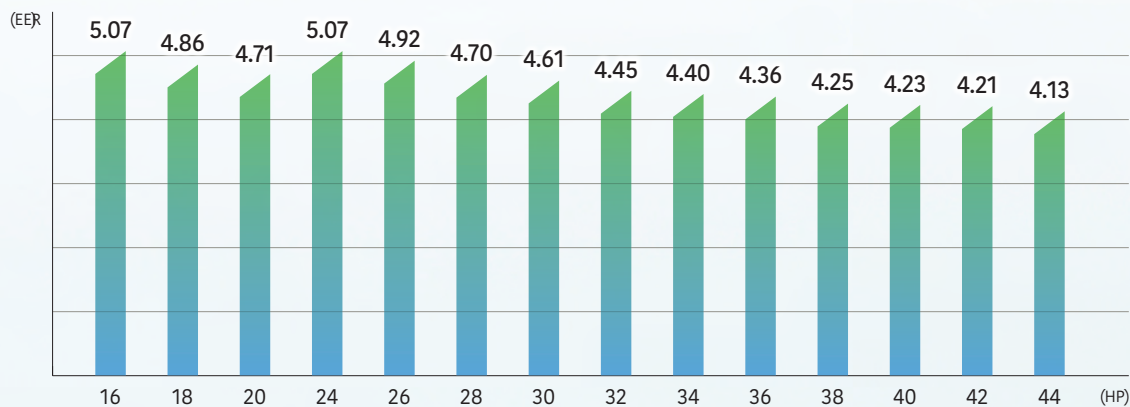
High energy efficiency

Class-leading high EER The use of our proprietary heat exchanger structure and high-efficiency Scroll compressors achieves the class-leading coefficient of performance (EER) in every combination.

High EER
5.07
Energy Efficiency combinations

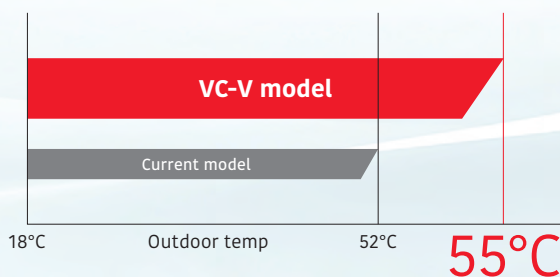


Energy Efficiency combinations



Wide operating range

Designed to perform at ambient conditions as high as 55°C. Installation in extreme temperature conditions is possible due to an increased operational range.



Intelligent Refrigerant Control

Fujitsu General is proposing outdoor units equipped with refrigerant control function. The refrigerant control operates with suitable control corresponding to the heat load of the room and offers a more comfortable environment. The refrigerant control can also provide increased energy savings.

New model (VC-V)



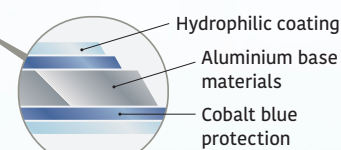
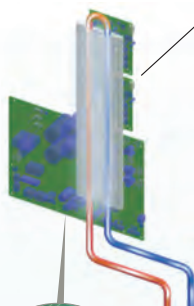
The outdoor unit provides sufficient capacity to meet the demands of the indoor unit.

High Reliability Protection

New refrigerant cooling technology

New Refrigerant Cooling Technology, ensures the stability of PCB temperature and improves reliability at high ambient temperatures.

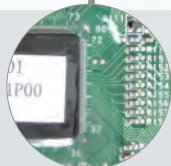
It's possible to cool the inverter power module stability even at high ambient temperatures. This helps to keep air conditioner capacity and also ensures efficient and reliable operation.



Anti-corrosion

Silicon coated PCB

High-ambient-temperature-compatible electronic components are used. Silicon coating is applied to all PCB circuits for corrosion protection.



High anti-corrosion screw

Zinc-chrome-acid film treatment applied to all screws.



Anti-corrosion coated casing parts

Satisfied the JRA* anti-corrosion regulation (9002)

*JRA: Japan Refrigeration Association

Bluefin heat exchanger

Blue fin treatment of the condenser offers improved corrosion resistance and longer life of the heat exchanger. Adoption blue coating for the fins in the heat exchanger provides protection against rust and salt damage.

PCB Protection Low - High voltage support

Even if the product is installed in an area where the power supply (voltage) is not stable, the PCB that controls the product is protected, so the product can be installed with peace of mind.

For example, even if the system goes down due to factors such as lightning strikes, the system will operate at its original operational content when the power is restored, making management easy.

- ✓ Not damaged
- ✓ Protected



Low-High Voltage Support

- ✓ Not damaged
- ✓ Protected
- ✓ Can auto recovery

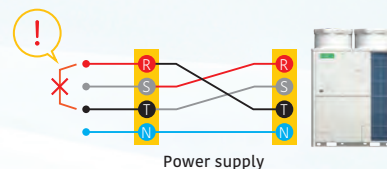


Protects against power supply mis-wiring

Even if there is a mistake in the wiring connection during the "reverse phase," "phase loss," or "missing phase" of the power connection during installation, the product will not be damaged and can be installed with peace of mind.

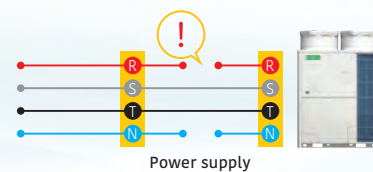
Reverse phase (R-S-T)

- ✓ Can operate



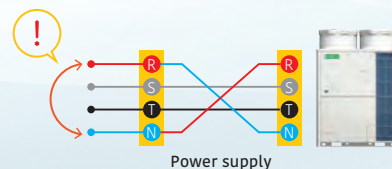
Phase loss (R-S-T-N)

- ✓ Protected
- ✓ Not damaged



Missing phase (N-phase)

- ✓ Protected
- ✓ Not damaged



Design for easy service and maintenance

Easy maintenance

Service panel

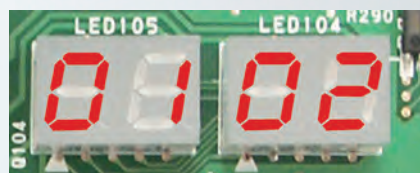
The split service panel allows for maintenance from the top or bottom of the outdoor unit.

*The bottom panel can not be removed without removing the top panel.



Access panel

Comes with an access panel that allows you to access 7 segments and push buttons without removing the panel.



7-segment indicator lamp

A 7-segment indicator lamp panel provides detailed information on the function setting status, refrigerant temperature and pressure, compressor operation time, and other factors, facilitating self-diagnosis for each unit.

Easy-to-read 7-segment indicator lamp

Shows the following detailed operation and error status without need of any special tools.

Error status can be checked on an outdoor unit's display

- System operation mode
- Discharge temperature and pressure
- Compressor operation status
- Address, type, and number of outdoor unit

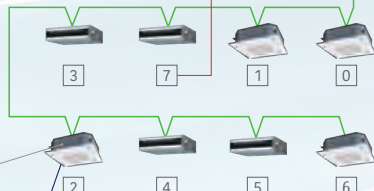
Automatic address setting

The address of the indoor unit and signal amplifier can be set 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.

Various combinations

Various combination from 8 HP to 80 HP increments. Indoor units can be selected ranging from 2.2 kW to 28 kW in capacity. A maximum of 150% indoor unit connectable capacity.

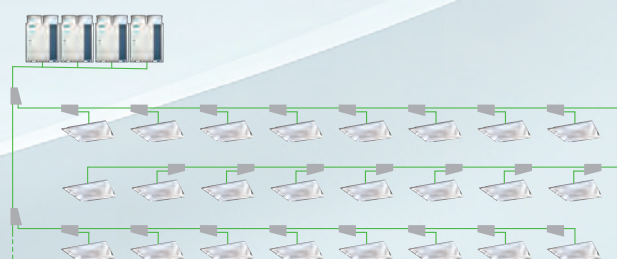
Connectable indoor unit capacity

150%

Connectable indoor unit number

Up to 64

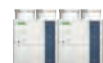
Wide variation of indoor units



Outdoor units lineup

Combinations other than the followings are not recommended.

Standard combination

22.4kW (8HP)  AJG072JATAH UNIT : AJG072JATAH	28.0kW (10HP)  AJG090JATAH UNIT : AJG090JATAH	33.5kW (12HP)  AJG108JATAH UNIT : AJG108JATAH	40.0kW (14HP)  AJG126JATAH UNIT : AJG126JATAH	45.0kW (16HP)  AJG144JATAH UNIT : AJG144JATAH	50.0 kW (18HP)  AJG162JATAH UNIT : AJG162JATAH
56.0 kW (20HP)  AJG180JATAH UNIT : AJG180JATAH	61.5 kW (22HP)  AJG198JATAH UNIT : AJG108/090JATAH	67.0 kW (24HP)  AJG216JATAH UNIT : AJG108/108JATAH	73.5 kW (26HP)  AJG234JATAH UNIT : AJG126/108JATAH	78.5 kW (28HP)  AJG252JATAH UNIT : AJG144/108JATAH	83.5 kW (30HP)  AJG270JATAH UNIT : AJG162/108JATAH
90.0 kW (32HP)  AJG288JATAH UNIT : AJG144/144JATAH	95.0 kW (34HP)  AJG306JATAH UNIT : AJG162/144JATAH	100.0 kW (36HP)  AJG324JATAH UNIT : AJG162/162JATAH	106.0 kW (38HP)  AJG342JATAH UNIT : AJG180/162JATAH	112.0 kW (40HP)  AJG360JATAH UNIT : AJG180/180JATAH	117.0 kW (42HP)  AJG378JATAH UNIT : AJG162/108/108JATAH
123.0 kW (44HP)  AJG396JATAH UNIT : AJG180/108/108JATAH	130.0 kW (46HP)  AJG414JATAH UNIT : AJG162/126/126JATAH	135.0 kW (48HP)  AJG432JATAH UNIT : AJG162/144/126JATAH	140.0 kW (50HP)  AJG450JATAH UNIT : AJG162/162/126JATAH	145.0 kW (52HP)  AJG468JATAH UNIT : AJG162/162/144JATAH	150.0 kW (54HP)  AJG486JATAH UNIT : AJG162/162/162JATAH
156.0 kW (56HP)  AJG504JATAH UNIT : AJG180/162/162JATAH	162.0 kW (58HP)  AJG522JATAH UNIT : AJG180/180/162JATAH	168.0 kW (60HP)  AJG540JATAH UNIT : AJG180/180/180JATAH	173.0 kW (62HP)  AJG558JATAH UNIT : AJG180/162/108/108JATAH	179.0 kW (64HP)  AJG576JATAH UNIT : AJG180/180/108/108JATAH	183.5 kW (66HP)  AJG594JATAH UNIT : AJG162/162/162/108JATAH
189.5 kW (68HP)  AJG612JATAH UNIT : AJG180/162/162/108JATAH	195.5 kW (70HP)  AJG630JATAH UNIT : AJG180/180/162/108JATAH	201.5 kW (72HP)  AJG648JATAH UNIT : AJG180/180/180/108JATAH	206.0 kW (74HP)  AJG666JATAH UNIT : AJG180/162/162/162JATAH	212.0 kW (76HP)  AJG684JATAH UNIT : AJG180/180/162/162JATAH	218.0 kW (78HP)  AJG702JATAH UNIT : AJG180/180/180/162JATAH
224.0 kW (80HP)  AJG720JATAH UNIT : AJG180/180/180/180JATAH					

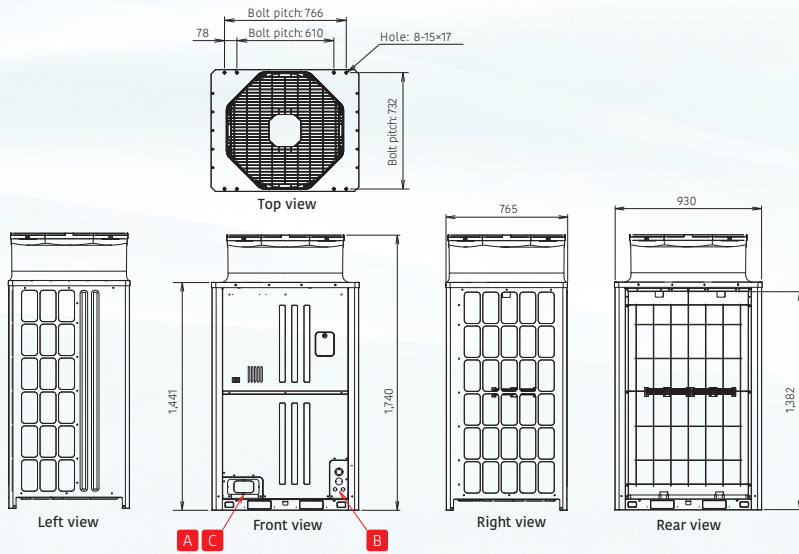
Energy efficiency combinations

44.8 kW (16HP)  AJG144JATAHH UNIT : AJG072/072JATAH	50.4 kW (18HP)  AJG162JATAHH UNIT : AJG090/072JATAH	56.0 kW (20HP)  AJG180JATAHH UNIT : AJG090/090JATAH	67.2 kW (24HP)  AJG216JATAHH UNIT : AJG072/072/072JATAH	72.8 kW (26HP)  AJG234JATAHH UNIT : AJG090/072/072JATAH	78.3 kW (28HP)  AJG252JATAHH UNIT : AJG108/072/072JATAH
83.9 kW (30HP)  AJG270JATAHH UNIT : AJG108/090/072JATAH	89.4 kW (32HP)  AJG288JATAHH UNIT : AJG108/108/072JATAH	95.0 kW (34HP)  AJG306JATAHH UNIT : AJG108/108/090JATAH	101.5 kW (36HP)  AJG324JATAHH UNIT : AJG126/108/090JATAH	107.0 kW (38HP)  AJG342JATAHH UNIT : AJG126/108/108JATAH	113.5 kW (40HP)  AJG360JATAHH UNIT : AJG126/126/108JATAH
120.0 kW (42HP)  AJG378JATAHH UNIT : AJG126/126/126JATAH	125.0 kW (44HP)  AJG396JATAHH UNIT : AJG144/126/126JATAH				

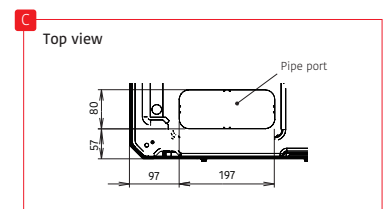
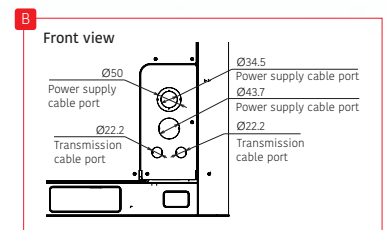
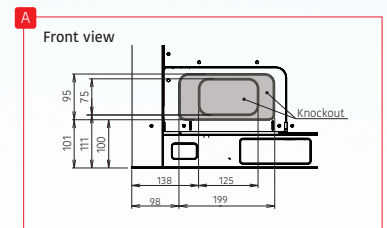
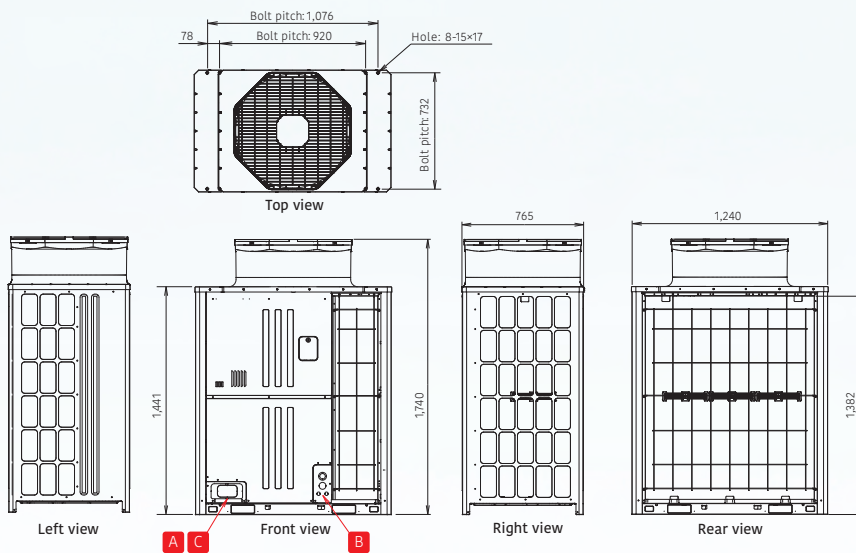
Dimensions

8,10,12 HP : AJG072JATAH / AJG090JATAH / AJG108JATAH

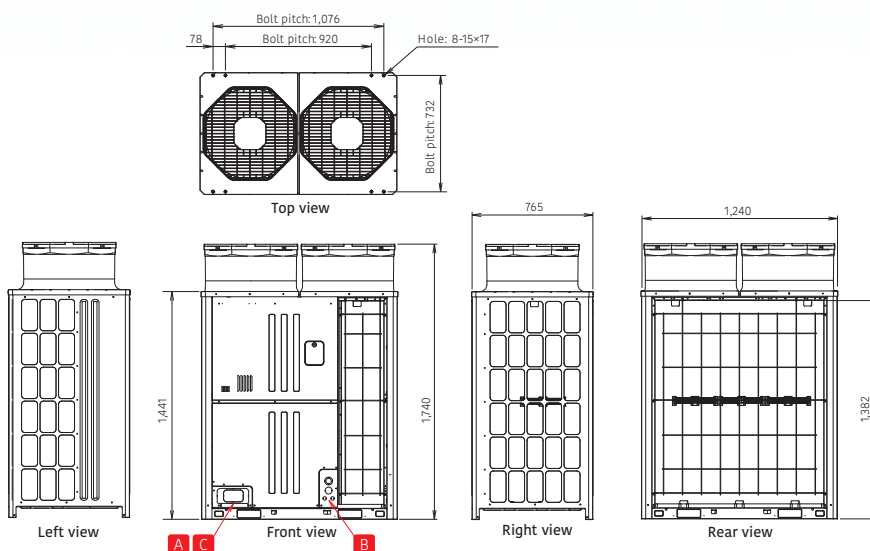
(Unit : mm)



14,16 HP : AJG126JATAH / AJG144JATAH



18,20 HP : AJG162JATAH / AJG180JATAH



Outdoor units specifications

Standard combination

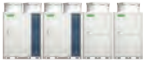
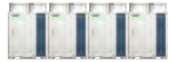
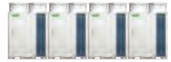
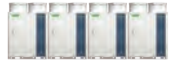
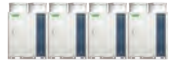
Rating Capacity range			HP	8	10	12	14	16	18	20	22
											
Model name				AJG072JATAH	AJG090JATAH	AJG108JATAH	AJG126JATAH	AJG144JATAH	AJG162JATAH	AJG180JATAH	AJG198JATAH
Unit 1 Unit 2 Unit 3				AJG072JATAH	AJG090JATAH	AJG108JATAH	AJG126JATAH	AJG144JATAH	AJG162JATAH	AJG180JATAH	AJG108JATAH AJG090JATAH
Maximum Connectable Indoor Unit*1				15	19	22	27	30	34	38	41
Indoor unit connectable capacity		Cooling	kW	11.2-33.6	14.0-42.0	16.8-50.2	20.0-60.0	22.5-67.5	25.0-75.0	28.0-84.0	30.8-92.2
Power source				3N 400 V ~ 50/60 Hz							
Capacity	Cooling	kW	22.4	28.0	33.5	40.0	45.0	50.0	56.0	61.5	
		Btu/h	76,400	95,500	114,300	136,500	153,500	170,600	191,100	209,800	
Input power	Cooling	kW	4.42	5.95	7.83	9.50	11.25	14.70	17.72	13.78	
EER	Cooling	W/W	5.07	4.71	4.28	4.21	4.00	3.40	3.16	4.46	
Air flow rate	Rated	m³/h	10,200	10,200	10,200	13,700	13,700	15,500	16,800	10,200 × 2	
Sound pressure level*1	Cooling	dB (A)	55	55	56	62	63	64	67	59	
Maximum external static pressure		Pa	82	82	82	82	82	82	82	82	
Compressor motor output		kW	4.7	4.7	4.7	4.7	4.7	6.2	6.2	4.7 × 2	
Heat exchanger fin				Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin
Dimensions	Height	mm	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740	
	Width		930	930	930	1,240	1,240	1,240	1,240	930 × 2	
	Depth		765	765	765	765	765	765	765	765	
Weight		kg	209	209	209	232	232	255	255	209 × 2	
Refrigerant	Type (Global Warming Potential)			R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Charge		kg	9.7	9.7	9.7	11.8	11.8	11.8	11.8	9.7 × 2
Connection pipe diameter	Liquid	mm	9.52	9.52	12.70	12.70	12.70	15.88	15.88	15.88	
	Discharge Gas		19.05	22.22	28.58	28.58	28.58	28.58	28.58	28.58	
Operating range		Cooling °C	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	

Rating Capacity range			HP	46	48	50	52	54	56	58	60
											
Model name				AJG414JATAH	AJG432JATAH	AJG450JATAH	AJG468JATAH	AJG486JATAH	AJG504JATAH	AJG522JATAH	AJG540JATAH
Unit 1 Unit 2 Unit 3				AJG162JATAH AJG126JATAH AJG126JATAH	AJG162JATAH AJG144JATAH AJG126JATAH	AJG162JATAH AJG162JATAH AJG126JATAH	AJG162JATAH AJG162JATAH AJG144JATAH	AJG162JATAH AJG162JATAH AJG162JATAH	AJG180JATAH AJG162JATAH AJG162JATAH	AJG180JATAH AJG180JATAH AJG162JATAH	AJG180JATAH AJG180JATAH AJG180JATAH
Maximum Connectable Indoor Unit*1				64	64	64	64	64	64	64	64
Indoor unit connectable capacity		Cooling	kW	65.0-195.0	67.5-202.5	70.0-210.0	72.5-217.5	75.0-225.0	78.0-234.0	81.0-243.0	84.0-252.0
Power source				3N 400 V ~ 50/60 Hz							
Capacity		Cooling	kW	130.0	135.0	140.0	145.0	150.0	156.0	162.0	168.0
			Btu/h	443,600	460,600	477,700	494,800	511,800	532,300	552,800	573,200
Input power		Cooling	kW	33.70	35.45	38.90	40.65	44.10	47.12	50.14	53.16
EER		Cooling	W/W	3.86	3.81	3.60	3.57	3.40	3.31	3.23	3.16
Air flow rate		Rated	m³/h	13,700 × 2 + 15,500	13,700 × 2 + 15,500	13,700 + 15,500 × 2	13,700 + 15,500 × 2	15,500 × 3	15,500 × 2 + 16,800	15,500 + 16800 × 2	16,800 × 3
Sound pressure level*1		Cooling	dB (A)	68	68	68	68	69	70	71	72
Maximum external static pressure			Pa	82	82	82	82	82	82	82	82
Compressor motor output			kW	4.7 × 2 + 6.2	4.7 × 2 + 6.2	4.7 + 6.2 × 2	4.7 + 6.2 × 2	6.2 × 3	6.2 × 3	6.2 × 3	6.2 × 3
Heat exchanger fin				Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin
Dimensions		Height	mm	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740
		Width		1,240 × 3	1,240 × 3	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
Weight			kg	232 × 2 + 255	232 × 2 + 255	232 + 255 × 2	232 + 255 × 2	255 × 3	255 × 3	255 × 3	255 × 3
Refrigerant	Type (Global Warming Potential)			R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Charge			kg	11.8 × 3	11.8 × 3	11.8 × 3	11.8 × 3	11.8 × 3	11.8 × 3	11.8 × 3
Connection pipe diameter		Liquid	mm	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05
		Discharge Gas		41.27	41.27	41.27	41.27	41.27	41.27	41.27	41.27
Operating range		Cooling	°C	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55

NOTES:

- Specifications are based on the following conditions:
 - Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.
 - Pipe length: 7.5 m, Height difference: 0 m. (Between outdoor unit and indoor unit.)
- This data is based on following standard: EN14511, EN12102.
- Protective function might work when using it outside the operation range.
- *1: Sound pressure level:
 - Measured values in manufacturer's anechoic chamber.
 - Because of the surrounding sound environment, the sound levels measured in actual installation conditions might be higher than the specified values here.
- *2: Connection pipe Max. length: Total pipe length is limited by the condition that total refrigerant amount. For details of additional charge calculation, refer to "Additional charge calculation" on page 06-40.

24	26	28	30	32	34	36	38	40	42	44
										
AJG216JATAH AJG108JATAH AJG108JATAH	AJG234JATAH AJG126JATAH AJG108JATAH	AJG252JATAH AJG144JATAH AJG108JATAH	AJG270JATAH AJG162JATAH AJG108JATAH	AJG288JATAH AJG144JATAH AJG144JATAH	AJG306JATAH AJG162JATAH AJG144JATAH	AJG324JATAH AJG162JATAH AJG162JATAH	AJG342JATAH AJG180JATAH AJG162JATAH	AJG360JATAH AJG180JATAH AJG180JATAH	AJG378JATAH AJG162JATAH AJG108JATAH AJG108JATAH	AJG396JATAH AJG180JATAH AJG108JATAH AJG108JATAH
45 33.5-100.5	50 36.8-110.2	53 39.3-117.7	56 41.8-125.2	61 45.0-135.0	64 47.5-142.5	64 50.0-150.0	64 53.0-159.0	64 56.0-168.0	64 58.5-175.5	64 61.5-184.5
3N 400 V ~ 50/60 Hz										
67.0	73.5	78.5	83.5	90.0	95.0	100.0	106.0	112.0	117.0	123.0
228,600	250,800	267,900	284,900	307,100	324,200	341,200	361,700	382,200	399,200	419,700
15.66	17.33	19.08	22.53	22.50	25.95	29.40	32.42	35.44	30.36	33.38
4.28	4.24	4.11	3.71	4.00	3.66	3.40	3.27	3.16	3.85	3.68
10,200 × 2	10,200 + 13,700	10,200 + 13,700	10,200 + 15,500	13,700 × 2	13,700 + 15,500	15,500 × 2	15,500 + 16,800	16,800 × 2	10,200 × 2 + 15,500	10,200 × 2 + 16,800
59	63	64	65	66	67	67	69	70	65	68
82	82	82	82	82	82	82	82	82	82	82
4.7 × 2	4.7 × 2	4.7 × 2	4.7 + 6.2	4.7 × 2	4.7 + 6.2	6.2 × 2	6.2 × 2	6.2 × 2	4.7 × 2 + 6.2	4.7 × 2 + 6.2
Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin
1740	1740	1740	1740	1740	1740	1740	1740	1740	1740	1740
930 × 2	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 × 2
765	765	765	765	765	765	765	765	765	765	765
209 × 2	209 + 232	209 + 232	209 + 255	232 × 2	232 + 255	255 × 2	255 × 2	255 × 2	209 × 2 + 255	209 × 2 + 255
R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
9.7 × 2	9.7 + 11.8	9.7 + 11.8	9.7 + 11.8	11.8 × 2	11.8 × 2	11.8 × 2	11.8 × 2	11.8 × 2	9.7 × 2 + 11.8	9.7 × 2 + 11.8
15.88	15.88	15.88	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05
34.92	34.92	34.92	34.92	34.92	34.92	41.27	41.27	41.27	41.27	41.27
10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55

62	64	66	68	70	72	74	76	78	80
									
AJG558JATAH AJG180JATAH AJG162JATAH AJG108JATAH AJG108JATAH	AJG576JATAH AJG180JATAH AJG180JATAH AJG108JATAH AJG108JATAH	AJG594JATAH AJG162JATAH AJG162JATAH AJG162JATAH AJG108JATAH	AJG612JATAH AJG180JATAH AJG162JATAH AJG162JATAH AJG108JATAH	AJG630JATAH AJG180JATAH AJG180JATAH AJG162JATAH AJG108JATAH	AJG648JATAH AJG180JATAH AJG180JATAH AJG162JATAH AJG108JATAH	AJG666JATAH AJG180JATAH AJG162JATAH AJG162JATAH AJG162JATAH	AJG684JATAH AJG180JATAH AJG180JATAH AJG162JATAH AJG162JATAH	AJG702JATAH AJG180JATAH AJG180JATAH AJG162JATAH AJG162JATAH	AJG720JATAH AJG180JATAH AJG180JATAH AJG180JATAH AJG180JATAH
64 86.5-259.5	64 89.5-268.5	64 91.8 - 275.2	64 94.8 - 284.2	64 97.8 - 293.2	64 100.8 - 302.2	64 103.0-309.0	64 106.0-318.0	64 109.0-327.0	64 112.0-336.0
3N 400 V ~ 50/60 Hz									
173.0	179.0	183.5	189.5	195.5	201.5	206.0	212.0	218.0	224.0
590,300	610,800	626,100	646,600	667,100	687,500	702,900	723,400	743,800	764,300
48.08	51.10	51.93	54.95	57.97	60.99	61.82	64.84	67.86	70.88
3.60	3.50	3.53	3.45	3.37	3.30	3.33	3.27	3.21	3.16
10,200 × 2 + 15,500 + 16,800	10,200 × 2 + 16,800 × 2	10,200 + 15,500 × 3	10,200 + 15,500 × 2 + 16,800	10,200 + 15,500 + 16,800 × 2	10,200 + 16,800 × 3	15,500 × 3 + 16,800	15,500 × 2 + 16,800 × 2	15,500 + 16,800 × 3	16,800 × 4
69	70	69	70	71	72	71	72	72	73
82	82	82	82	82	82	82	82	82	82
4.7 × 2 + 6.2 × 2	4.7 × 2 + 6.2 × 2	4.7 + 6.2 × 3	4.7 + 6.2 × 3	4.7 + 6.2 × 3	4.7 + 6.2 × 3	6.2 × 4	6.2 × 4	6.2 × 4	6.2 × 4
Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin
1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740
1,240 × 2 + 930 × 2	1,240 × 2 + 930 × 2	1,240 × 3 + 930	1,240 × 3 + 930	1,240 × 3 + 930	1,240 × 3 + 930	1,240 × 4	1,240 × 4	1,240 × 4	1,240 × 4
765	765	765	765	765	765	765	765	765	765
209 × 2 + 255 × 2	209 × 2 + 255 × 2	209 + 255 × 3	209 + 255 × 3	209 + 255 × 3	209 + 255 × 3	255 × 4	255 × 4	255 × 4	255 × 4
R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
9.7 × 2 + 11.8 × 2	9.7 × 2 + 11.8 × 2	9.7 + 11.8 × 3	9.7 + 11.8 × 3	9.7 + 11.8 × 3	9.7 + 11.8 × 3	11.8 × 4	11.8 × 4	11.8 × 4	11.8 × 4
19.05	19.05	19.05	19.05	19.05	19.05	22.22	22.22	22.22	22.22
41.27	41.27	41.27	41.27	41.27	41.27	41.27	41.27	41.27	41.27
10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55

Outdoor units specifications

Energy Efficiency Combinations

Rating Capacity range			HP	16	18	20	24	26	28
									
Model name				AJG144JATAHH	AJG162JATAHH	AJG180JATAHH	AJG216JATAHH	AJG234JATAHH	AJG252JATAHH
Unit 1				AJG072JATAH	AJG090JATAH	AJG090JATAH	AJG072JATAH	AJG090JATAH	AJG108JATAH
Unit 2				AJG072JATAH	AJG072JATAH	AJG090JATAH	AJG072JATAH	AJG072JATAH	AJG072JATAH
Unit 3									
Maximum Connectable Indoor Unit*1				30	34	38	45	49	53
Indoor unit connectable capacity			Cooling	kW	22.4-67.2	25.2-75.6	28.0-84.0	33.6-100.8	36.4-109.2
Power source				3N 400 V ~ 50/60 Hz					
Capacity	Cooling	kW		44.8	50.4	56.0	67.2	72.8	78.3
		Btu/h		152,900	172,000	191,100	229,300	248,400	267,200
Input power	Cooling	kW		8.84	10.37	11.90	13.26	14.79	16.67
EER	Cooling	W/W		5.07	4.86	4.71	5.07	4.92	4.70
Air flow rate	Rated	m³/h		10,200 × 2	10,200 × 2	10,200 × 2	10,200 × 3	10,200 × 3	10,200 × 3
Sound pressure level*1	Cooling	dB (A)		58	58	58	60	60	60
Maximum external static pressure			Pa	82	82	82	82	82	82
Compressor motor output			kW	4.7 × 2	4.7 × 2	4.7 × 2	4.7 × 3	4.7 × 3	4.7 × 3
Heat exchanger fin				Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin
Dimensions	Height	mm		1,740	1,740	1,740	1,740	1,740	1,740
	Width	mm		930 × 2	930 × 2	930 × 2	930 × 3	930 × 3	930 × 3
	Depth	mm		765	765	765	765	765	765
Weight			kg	209 × 2	209 × 2	209 × 2	209 × 3	209 × 3	209 × 3
Refrigerant	Type (Global Warming Potential)			R410A	R410A	R410A	R410A	R410A	R410A
	Charge	kg		9.7 × 2	9.7 × 2	9.7 × 2	9.7 × 3	9.7 × 3	9.7 × 3
Connection pipe diameter	Liquid	mm		12.70	15.88	15.88	15.88	15.88	15.88
	Discharge Gas	mm		28.58	28.58	28.58	34.92	34.92	34.92
Operating range			Cooling	°C	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55

NOTES:

- Specifications are based on the following conditions:
 - Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.
 - Pipe length: 7.5 m, Height difference: 0 m. (Between outdoor unit and indoor unit.)
- This data is based on following standard: EN14511, EN12102.
- Protective function might work when using it outside the operation range.
- *1: Sound pressure level:
 - Measured values in manufacturer's anechoic chamber.
 - Because of the surrounding sound environment, the sound levels measured in actual installation conditions might be higher than the specified values here.
- *2: Connection pipe Max. length: Total pipe length is limited by the condition that total refrigerant amount. For details of additional charge calculation, refer to Technical manual.

Various indoor units

Wide variation of indoor units



Cassette

1-way flow 3D flow Compact 4-way flow Circular Flow

Duct

Mini duct Low static pressure duct Slim duct Medium static pressure duct High static pressure duct

Floor

Floor Slim Floor

Ceiling

Ceiling

Wall Mounted

Wall mounted

Ventilation for Air handling applications for VRF Outdoor unit

DX kit EEV unit Control unit

30	32	34	36	38	40	42	44
							
AJG270JATAHH	AJG288JATAHH	AJG306JATAHH	AJG324JATAHH	AJG342JATAHH	AJG360JATAHH	AJG378JATAHH	AJG396JATAHH
AJG108JATAH AJG090JATAH AJG072JATAH	AJG108JATAH AJG108JATAH AJG072JATAH	AJG108JATAH AJG108JATAH AJG090JATAH	AJG126JATAH AJG108JATAH AJG090JATAH	AJG126JATAH AJG108JATAH AJG108JATAH	AJG126JATAH AJG126JATAH AJG108JATAH	AJG126JATAH AJG126JATAH AJG126JATAH	AJG144JATAH AJG126JATAH AJG126JATAH
57	60	64	64	64	64	64	64
42.0-125.8	44.7-134.1	47.5-142.5	50.8-152.2	53.5-160.5	56.8-170.2	60.0-180.0	62.5-187.5
3N 400 V ~ 50/60 Hz							
83.9	89.4	95.0	101.5	107.0	113.5	120.0	125.0
286,300	305,000	324,200	346,300	365,100	387,300	409,500	426,500
18.20	20.08	21.61	23.28	25.16	26.83	28.50	30.25
4.61	4.45	4.40	4.36	4.25	4.23	4.21	4.13
10,200 × 3	10,200 × 3	10,200 × 3	10,200 × 2 + 13,700	10,200 × 2 + 13,700	10,200 + 13,700 × 2	13,700 × 3	13,700 × 3
60	60	60	64	64	66	67	67
82	82	82	82	82	82	82	82
4.7 × 3	4.7 × 3	4.7 × 3	4.7 × 3	4.7 × 3	4.7 × 3	4.7 × 3	4.7 × 3
Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin
1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740
930 × 3	930 × 3	930 × 3	1,240 × 930 × 2	1,240 × 930 × 2	1,240 × 2 + 930	1,240 × 3	1,240 × 3
765	765	765	765	765	765	765	765
209 × 3	209 × 3	209 × 3	209 × 2 + 232	209 × 2 + 232	209 + 232 × 2	232 × 3	232 × 3
R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
9.7 × 3	9.7 × 3	9.7 × 3	9.7 × 2 + 11.8	9.7 × 2 + 11.8	9.7 + 11.8 × 2	11.8 × 3	11.8 × 3
19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05
34.92	34.92	34.92	41.27	41.27	41.27	41.27	41.27
10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55

Various control systems & optional parts

Centralised Control



System controller
Software



NEW Central remote controller



Touch panel controller



Central remote controller

Individual Control



Wired remote controller
(Touch panel)



Wired remote controller



Compact wired remote controller



Simple remote controller



Wired remote controller
(Design type)



Wireless remote controller

Converter / Adaptor



BACnet™ gateway
Software

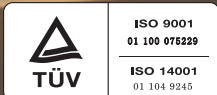


BACnet™ gateway
Hardware



Wireless LAN adapter

Fujitsu General (Thailand) Co., Ltd.



ISO 9001 Certification number: 01 100 075229
ISO 14001 Certification number: 01 104 9245

Fujitsu General (Shanghai) Co., Ltd.



ISO 9001 Certification number: 01 100 79269
ISO 14001 Certification number: CNBJ312244-UK

Fujitsu General Central Air-conditioner (Wuxi) Co., Ltd.



ISO 9001 Certification number: 15917Q20073R5M
ISO 14001 Certification number: 15918E20021R5M

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