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

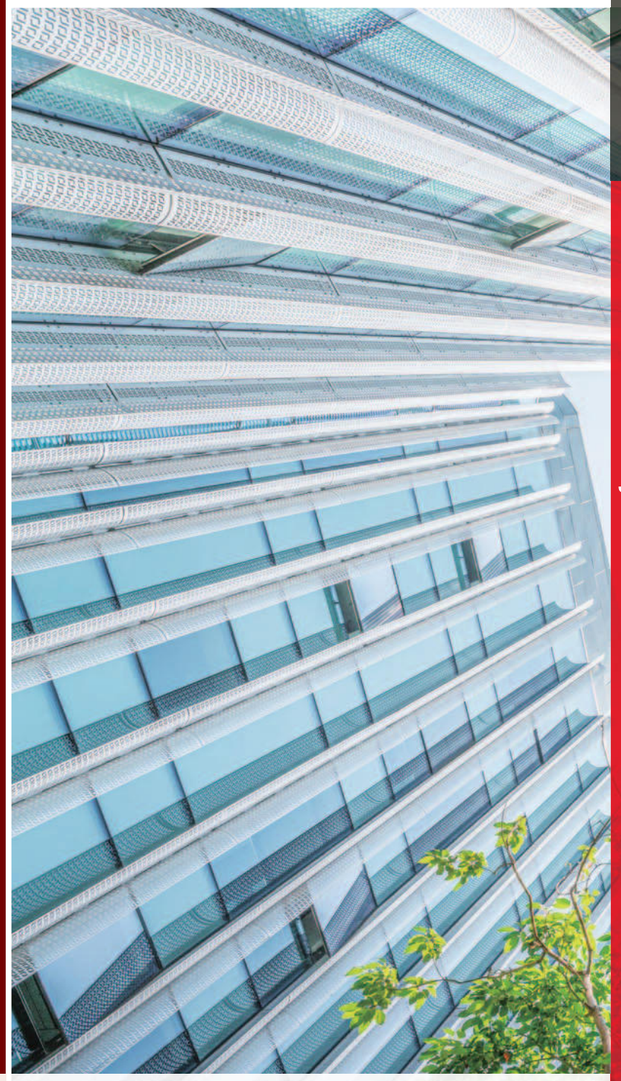
ISO 14001 Certification number: CNBJ312244-UK

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

ISO 9001 Certification number: 15917Q20073RSM

ISO 14001 Certification number: 15918E20021RSM

Distributed by :



VRF Systems CATALOGUE 2024 for ASIA

FUJITSU GENERAL LIMITED

FUJITSU GENERAL LIMITED
3-3-17, Suenaga, Takatsu-ku, Kawasaki, Kanagawa, 213-8502, Japan
www.fujitsu-general.com

VRF Systems
CATALOGUE 2024
for **ASIA**

FUJITSU GENERAL LIMITED

NEW

REFRIGERANT R410A

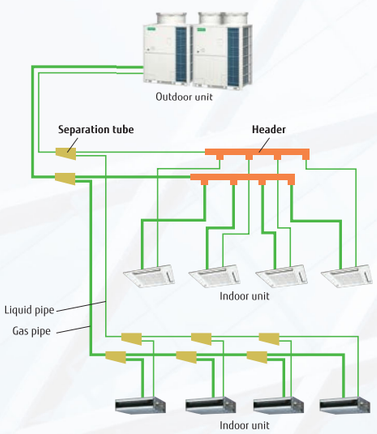
Cooling Only type

VRF VC-V

Smart and cutting edge design
Extensive lineup from 8HP to 80HP in 2HP increment
Connectable indoor unit capacity ratio up to 150%

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.



Air conditioning up to 80 HP with one refrigerant system

New series **51 systems**

More Wide lineup

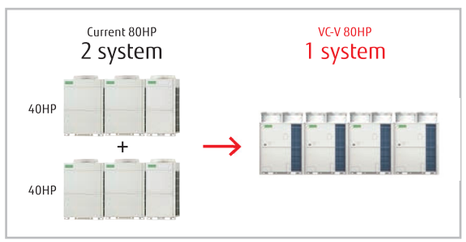
HP	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80
Standard combination	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Energy Efficiency					●	●	●		●	●	●	●	●	●	●	●	●	●	●																		

Space saving and compact size

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

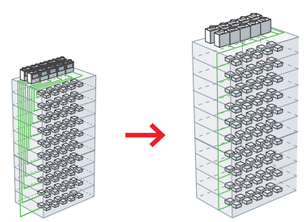
12HP Current using space
0.95 m²

12HP New using space
0.71 m²



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.



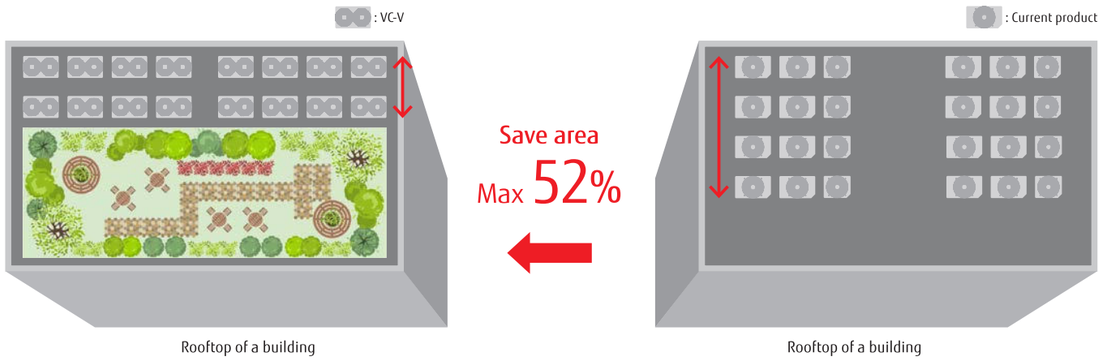
Current product

VC-V

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.

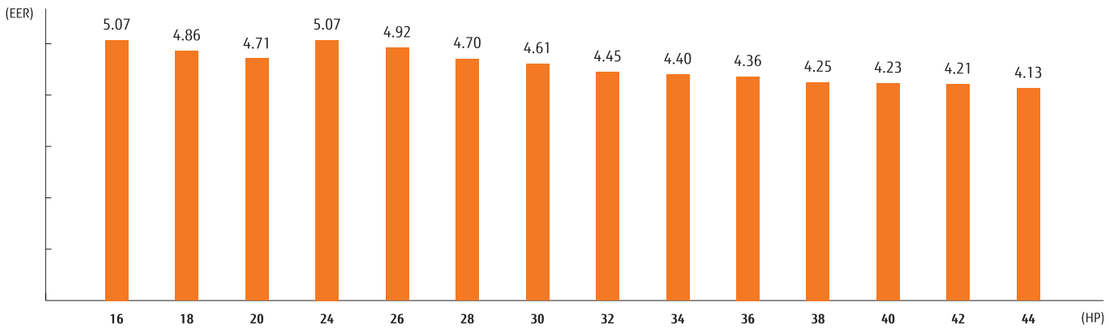
*Comparison of multiple 80 HP systems installed, for example



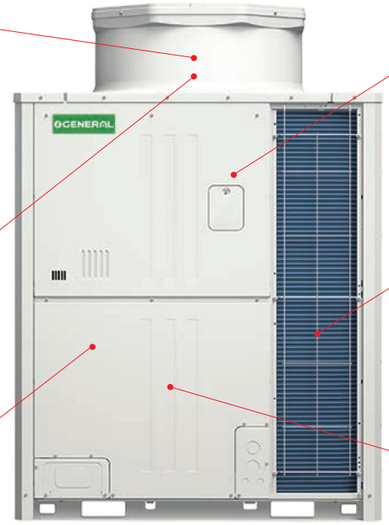
High Energy Efficiency

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

Energy Efficiency Combinations



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.

Subcool heat exchanger

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

Sine-wave DC inverter control

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

4-face heat exchanger

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

Scroll Compressor

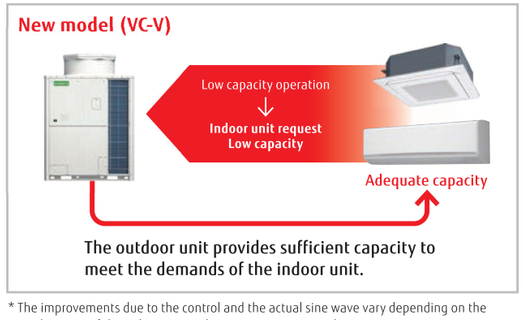
High Performance Scroll Compressor

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.

Scroll Compressor

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.



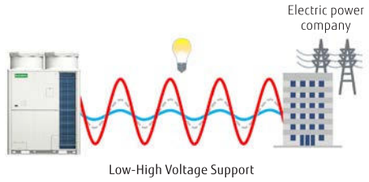
* The improvements due to the control and the actual sine wave vary depending on the combination of the indoor unit and system operating conditions.

High Reliability

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

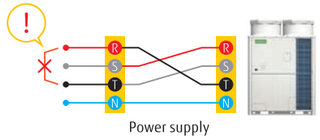


☑ Not damaged
☑ Protected
☑ Can auto recovery

Protects against power supply mis-wiring

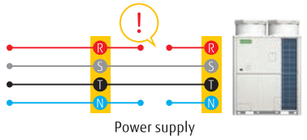
Even if there is a mistake in the wiring connection during the "reverse phase," "phase loss," or "missing phase" of the power connection during installation, the product will not be damaged and can be installed with peace of mind.

Reverse phase (R-S-T)



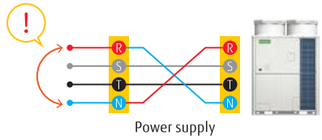
☑ Can operate

Phase loss (R-S-T-N)



☑ Protected
☑ Not damaged

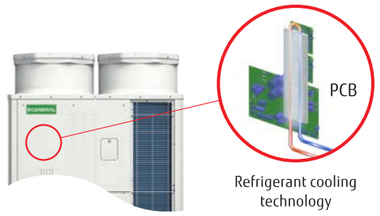
Missing phase (N-phase)



☑ Protected
☑ Not damaged

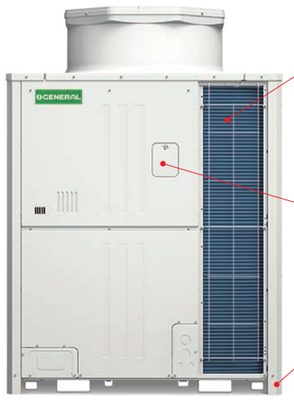
New refrigerant cooling technology

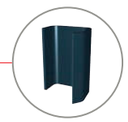
New Refrigerant Cooling Technology, ensures the stability of PCB temperature and improves reliability at high ambient temperatures.
It's possible to cool the inverter power module stability even at high ambient temperatures. This helps to keep air conditioner capacity and also ensures efficient and reliable operation.



Refrigerant cooling technology

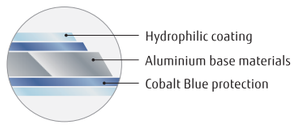
Anti-corrosion

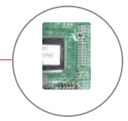




Bluefin heat exchanger

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.





Silicon coated PCB

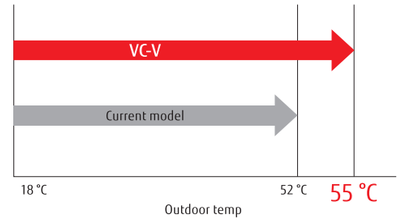
High-ambient-temperature-compatible electronic components are used.
Silicon coating is applied to all PCB circuits for corrosion protection.

High corrosion screw

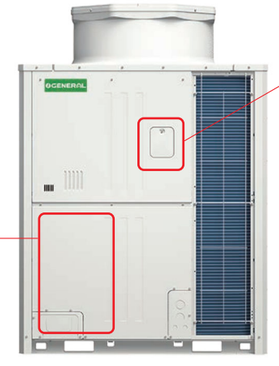
Zinc-chrome-acid film treatment applied to all screws.

Wide operating range

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

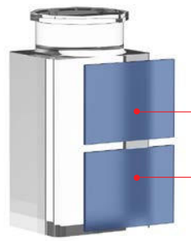


Design for easy service and maintenance



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

Service space
New design for easy maintenance and service space design without moving control box in order to maintenance

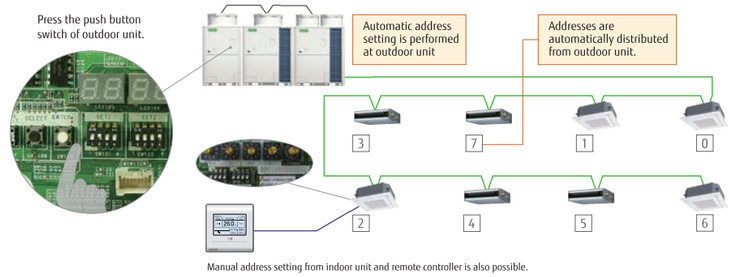


The split service panel allows for maintenance from the top or bottom of the outdoor unit.

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

Automatic address setting

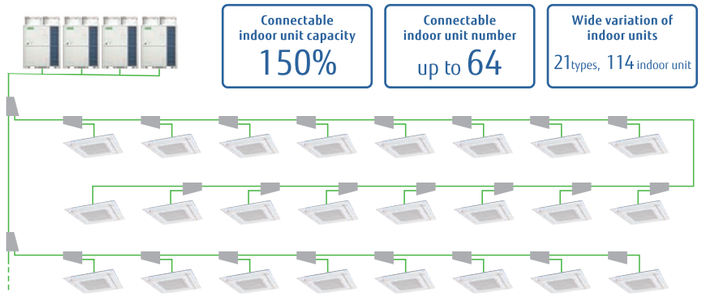
The address of the indoor unit and signal amplifier can be set through the automatic function setting on the outdoor unit PCB.



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

Various combinations

Various combination from 8HP to 80HP increments. 15 type, 147 models of indoor units can be selected ranging from 2.2kW to 28kW in capacity. A maximum of 150% indoor unit connectable capacity.



Outdoor units lineup

• Combinations other than the followings are not recommended.

Standard combination

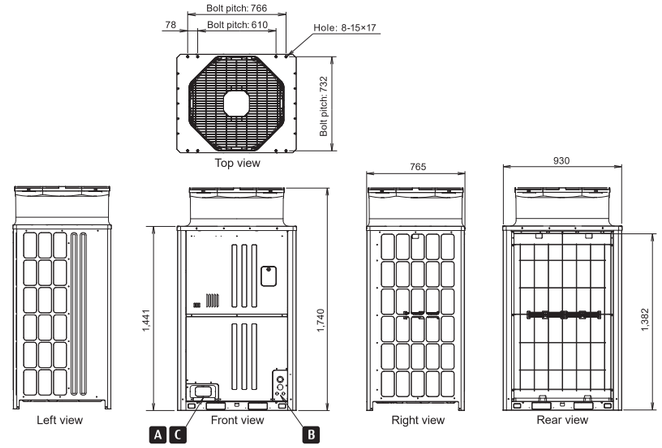
22.4kW (8HP) AJG072JATAH UNIT : AJG072JATAH	28.0kW (10HP) AJG090JATAH UNIT : AJG090JATAH	33.5kW (12HP) AJG108JATAH UNIT : AJG108JATAH	40.0kW (14HP) AJG126JATAH UNIT : AJG126JATAH	45.0kW (16HP) AJG144JATAH UNIT : AJG144JATAH	50.0 kW (18HP) AJG162JATAH UNIT : AJG162JATAH
56.0 kW (20HP) AJG180JATAH UNIT : 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

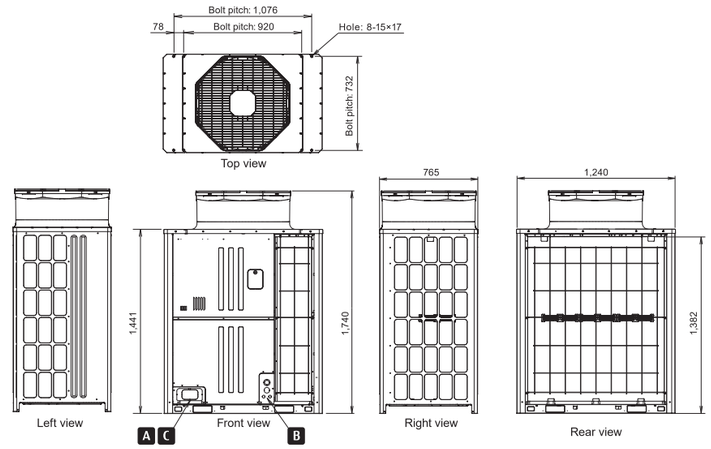
44.8 kW (16HP) AJG144JATAHH UNIT : AJG072/072JATAH	50.4 kW (18HP) AJG162JATAHH UNIT : AJG090/072JATAH	56.0 kW (20HP) AJG180JATAHH UNIT : AJG090/090JATAH	67.2 kW (24HP) AJG216JATAHH UNIT : AJG072/072/072JATAH	72.8 kW (26HP) AJG234JATAHH UNIT : AJG090/072/072JATAH	78.3 kW (28HP) AJG252JATAHH UNIT : AJG108/072/072JATAH
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

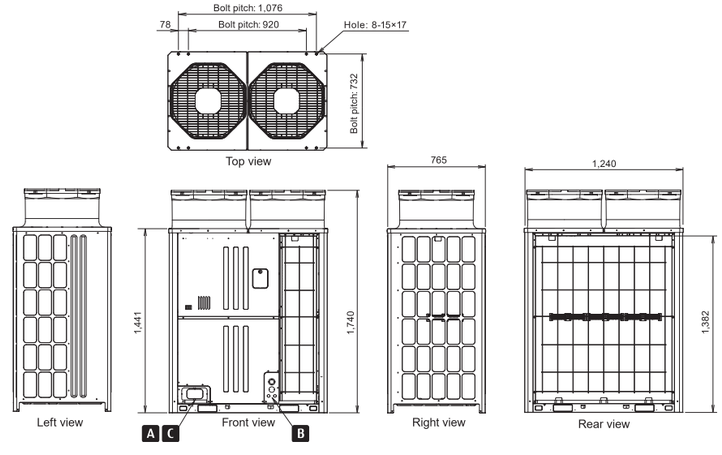
8,10,12HP : AJG072JATAH / AJG090JATAH / AJG108JATAH (Unit : mm)

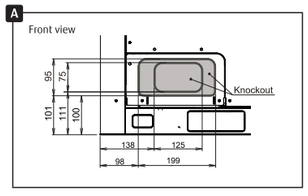


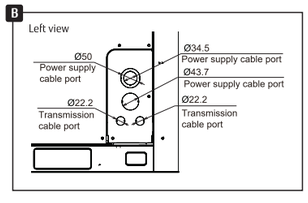
14,16HP : AJG126JATAH / AJG144JATAH

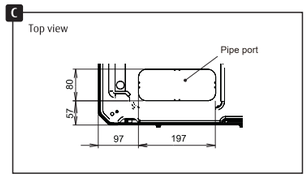


18,20HP : AJG162JATAH / AJG180JATAH









VRF SERIES

Standard combination

Rating Capacity range		HP	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44
																					
Model name			AJG072JATAH	AJG090JATAH	AJG108JATAH	AJG126JATAH	AJG144JATAH	AJG162JATAH	AJG180JATAH	AJG198JATAH	AJG216JATAH	AJG234JATAH	AJG252JATAH	AJG270JATAH	AJG288JATAH	AJG306JATAH	AJG324JATAH	AJG342JATAH	AJG360JATAH	AJG378JATAH	AJG396JATAH
Unit 1 Unit 2 Unit 3			AJG072JATAH	AJG090JATAH	AJG108JATAH	AJG126JATAH	AJG144JATAH	AJG162JATAH	AJG180JATAH	AJG108JATAH AJG090JATAH	AJG108JATAH AJG108JATAH	AJG126JATAH AJG108JATAH	AJG144JATAH AJG108JATAH	AJG162JATAH AJG108JATAH	AJG144JATAH AJG144JATAH	AJG162JATAH AJG144JATAH	AJG162JATAH AJG162JATAH	AJG180JATAH AJG162JATAH	AJG180JATAH	AJG162JATAH AJG108JATAH AJG108JATAH	AJG180JATAH AJG108JATAH AJG108JATAH
Maximum Connectable Indoor Unit			15	19	22	27	30	34	38	41	45	50	53	56	61	64	64	64	64	64	64
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	33.5-100.5	36.8-110.2	39.3-117.7	41.8-125.2	45.0-135.0	47.5-142.5	50.0-150.0	53.0-159.0	56.0-168.0	58.5-175.5	61.5-184.5
Power source			3N 400 V ~ 50/60 Hz											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	67.0	73.5	78.5	83.5	90.0	95.0	100.0	106.0	112.0	117.0	123.0
		Btu/h	76,400	95,500	114,300	136,500	153,500	170,600	191,100	209,800	228,600	250,800	267,900	284,900	307,100	324,200	341,200	361,700	382,200	399,200	419,700
Input power	Cooling	kW	4.42	5.95	7.83	9.50	11.25	14.70	17.72	13.78	15.66	17.33	19.08	22.53	22.50	25.95	29.40	32.42	35.44	30.36	33.38
EER	Cooling	W/W	5.07	4.71	4.28	4.21	4.00	3.40	3.16	4.46	4.28	4.24	4.11	3.71	4.00	3.66	3.40	3.27	3.16	3.85	3.68
Air flow rate	Rated	m^3/h	10,200	10,200	10,200	13,700	13,700	15,500	16,800	10,200 × 2	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
Sound pressure level*1	Cooling	dB (A)	55	55	56	62	63	64	67	59	59	63	64	65	66	67	67	69	70	65	68
Maximum external static pressure		Pa	82	82	82	82	82	82	82	82	82	82	82	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	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
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
Dimensions	Height	mm	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1740	1740	1740	1740	1740	1740	1740	1740	1740	1740	1740	1740
	Width		930	930	930	1,240	1,240	1,240	1,240	930 × 2	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 × 2	1,240 + 930 × 2
	Depth		765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765
Weight		kg	209	209	209	232	232	255	255	209 × 2	209 × 2	209 + 232	209 + 232	209 + 255	232 × 2	232 + 255	255 × 2	255 × 2	255 × 2	209 × 2 + 255	207 × 2 +255
Refrigerant	Type (Global Warming Potential)		R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	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	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
Connection pipe diameter	Liquid	mm	9.52	9.52	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
	Discharge Gas		19.05	22.22	28.58	28.58	28.58	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
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	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

Rating Capacity range		HP	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80
																				
Model name			AJG414JATAH	AJG432JATAH	AJG450JATAH	AJG468JATAH	AJG486JATAH	AJG504JATAH	AJG522JATAH	AJG540JATAH	AJG558JATAH	AJG576JATAH	AJG594JATAH	AJG612JATAH	AJG630JATAH	AJG648JATAH	AJG666JATAH	AJG684JATAH	AJG702JATAH	AJG720JATAH
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	AJG180JATAH AJG162JATAH AJG108JATAH AJG108JATAH	AJG180JATAH AJG180JATAH AJG108JATAH AJG108JATAH	AJG162JATAH AJG162JATAH AJG162JATAH AJG108JATAH	AJG180JATAH AJG162JATAH AJG162JATAH AJG108JATAH	AJG180JATAH AJG180JATAH AJG162JATAH AJG108JATAH	AJG180JATAH AJG180JATAH AJG180JATAH AJG108JATAH	AJG180JATAH AJG162JATAH AJG162JATAH AJG162JATAH	AJG180JATAH AJG180JATAH AJG162JATAH AJG162JATAH	AJG180JATAH AJG180JATAH AJG180JATAH AJG162JATAH	AJG180JATAH AJG180JATAH AJG180JATAH AJG180JATAH
Maximum Connectable Indoor Unit			64	64	64	64	64	64	64	64	64	64	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	86.5-259.5	89.5-268.5	91.8 - 275.2	94.8 - 284.2	97.8 - 293.2	100.8 - 302.2	103.0-309.0	106.0-318.0	109.0-327.0	112.0-336.0
Power source			3N 400 V ~ 50/60 Hz											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	173.0	179.0	183.5	189.5	195.5	201.5	206.0	212.0	218.0	224.0
		Btu/h	443,600	460,600	477,700	494,800	511,800	532,300	552,800	573,200	590,300	610,800	626,100	646,600	667,100	687,500	702,900	723,400	743,800	764,300
Input power	Cooling	kW	33.70	35.45	38.90	40.65	44.10	47.12	50.14	53.16	48.08	51.10	51.93	54.95	57.97	60.99	61.82	64.84	67.86	70.88
EER	Cooling	W/W	3.86	3.81	3.60	3.57	3.40	3.31	3.23	3.16	3.60	3.50	3.53	3.45	3.37	3.30	3.33	3.27	3.21	3.16
Air flow rate	Rated	m^3/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	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
Sound pressure level*1	Cooling	dB (A)	68	68	68	68	69	70	71	72	69	70	69	70	71	72	71	72	72	73
Maximum external static pressure		Pa	82	82	82	82	82	82	82	82	82	82	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	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
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
Dimensions	Height	mm	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740	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	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
	Depth		765	765	765	765	765	765	765	765	765	765	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	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
Refrigerant	Type (Global Warming Potential)		R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	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	11.8 × 3	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
Connection pipe diameter	Liquid	mm	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	19.05	22.22	22.22	22.22	22.22
	Discharge Gas		41.27	41.27	41.27	41.27	41.27	41.27	41.27	41.27	41.27	41.27	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	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

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.