

Small VRF system

for light commercial
and home use

AIRSTAGE™ J-II
Variable Refrigerant Flow System



FUJITSU GENERAL LIMITED

Better energy savings, better comfort

Good operability combined with easy design, installation, and maintenance.
Improved AIRSTAGE J-II Series



The AIRSTAGE J-II Series adopts the best technology and was designed with the greatest care to provide not only energy savings and comfort but also ease of design, installation, and maintenance.

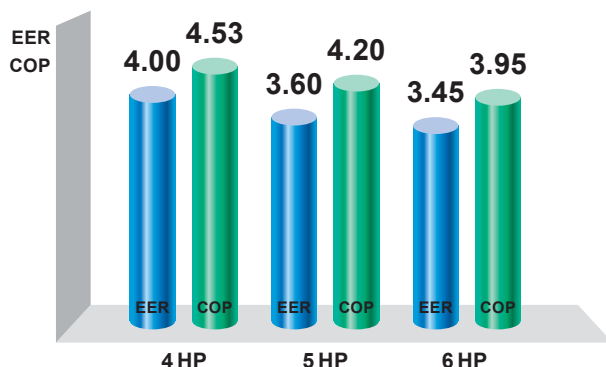
Fujitsu General provides air conditioning systems for a wide range of applications from small office buildings and stores to large houses.



High Energy Saving

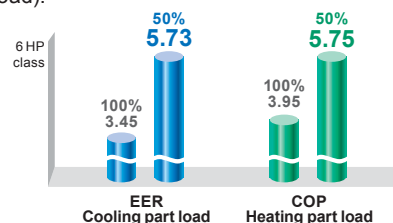
High EER / COP

Corresponding to the system of energy saving incentives.



High seasonal efficiency

Our advanced high-efficiency technology achieves high performance within the actual usage performance range (50% load).



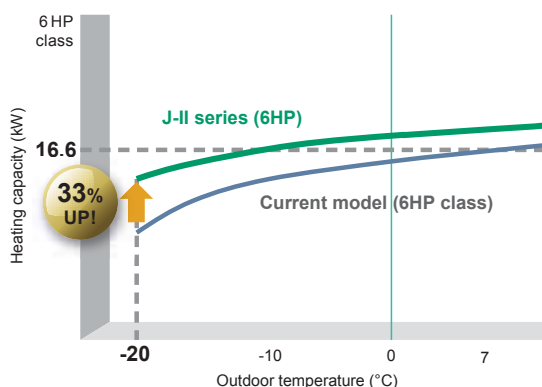
Various energy saving function

- **Room temperature set point limitation** : The minimum and maximum temperature range can be set.
- **Capacity save operation** : The power consumption at peak is cut down.

More Comfort

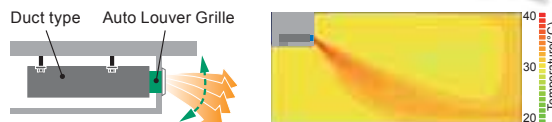
Powerful Heating

Heating capacity is improved at low outdoor temperature by our advanced technology.



Comfort control

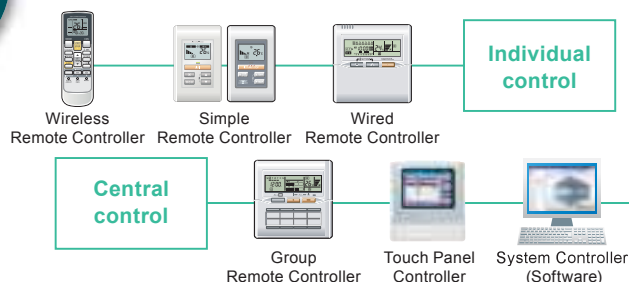
- **Low noise mode** : Outdoor unit can be switched to silent mode, depending on the installation environment.
- **Easy auto changeover setting** : Switching to cooling and heating mode by specific remote controller in the main room etc.
- **Non-stop oil recovery operation** : The product continues to operate without stopping the cooling or heating operation during oil recovery modes.
- **Auto louver grill** (Option for Slim Duct) : Auto louver grille provides comfort and efficient heating with louver controlled ductable outlet



More Convenience

Various Control System

Controllers suitable for usage



Central Remote Controller

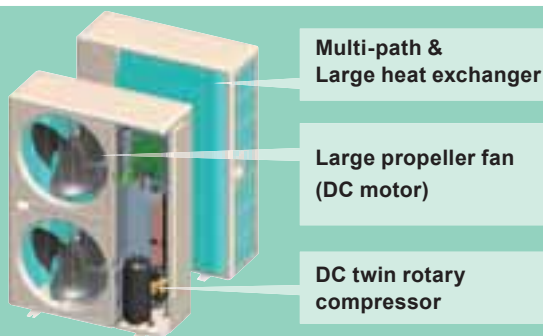
Automatic display of number of connected indoor unit



Max. controllable 100 indoor units

Advanced high efficiency technology

- High efficiency is realized by adopting large heat exchanger, large propeller fan, and DC twin rotary compressor.
- Significantly reduced noise by optimized airflow structure design of outdoor unit.
- Reduce the airflow loss by optimized layout design
- Long piping length is realized by adopting pressure sensor, sub cool heat exchanger, and large accumulator.



More Design Flexibility

Long Piping Length

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

Total piping length **180m max.**

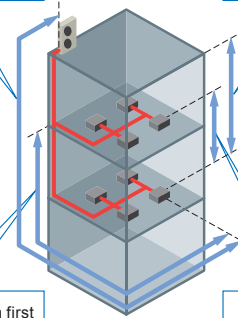
Indoor unit **12 types, 52 models**
Connectable indoor unit capacity range **130 % max.**

Actual piping length **120m max.**

Height difference between outdoor and indoor units **30m max.**

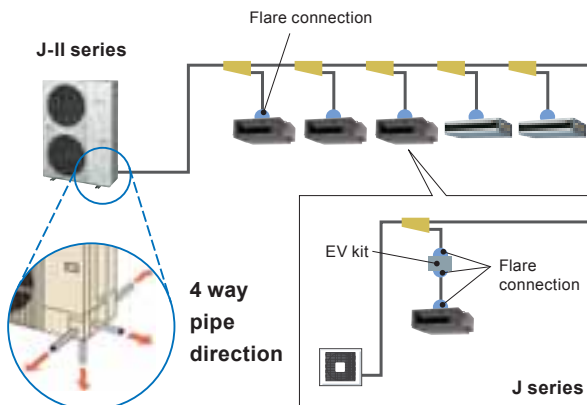
Piping length from first separation tube to the farthest indoor unit **40m max.**

Height difference between indoor and indoor units **15m max.**



Flexible Installation

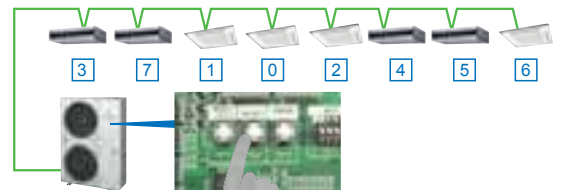
Improvement of the reliability by decreasing the flare connection.



Simplified Wiring

• **Transmission cable (Non-polar 2 wires) and individual electricity supply to the indoor and outdoor units** : This reduces wiring mistakes and improves installation limitation between the indoor units and outdoor units.

• **Automatic address setting function** : The address of each indoor unit can be automatically set by button switch of outdoor unit.



• **Indoor unit connection check function** : Possible to confirm whether wiring connection and address setting are correct by this function for a short time.

Design for Easy Maintenance

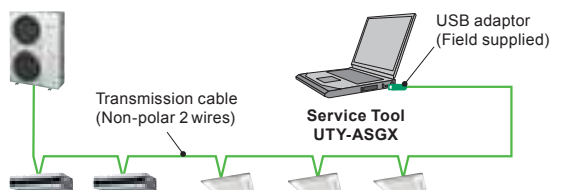
Confirm detail operational and trouble status without using specific equipment



Easy to read 7-segment LED

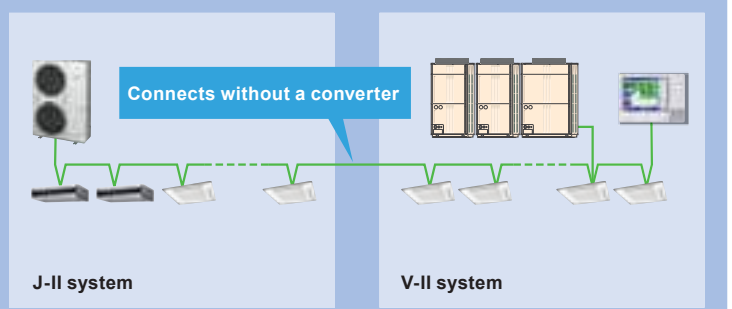
Connection to Service Tool

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



Easy to connect with V-II communication system

It is possible to connect directly with the transmission cable of the V-II system without convertor.

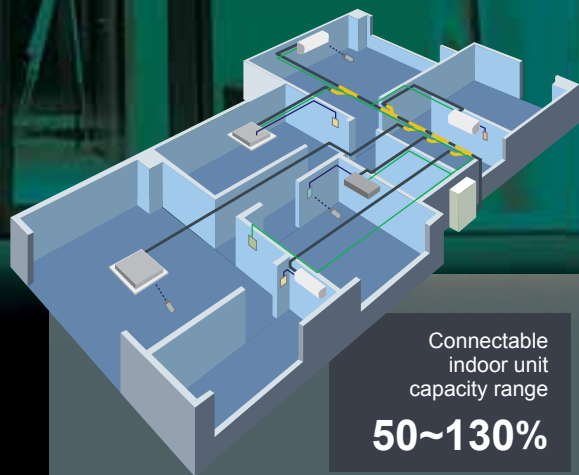


System Outline

Outdoor unit

AJ*A36LALH
AJ*A45LALH
AJ*A54LALH

AJ* :
AJY (FUJITSU),
AJH (GENERAL)



Connectable
indoor unit
capacity range

50~130%

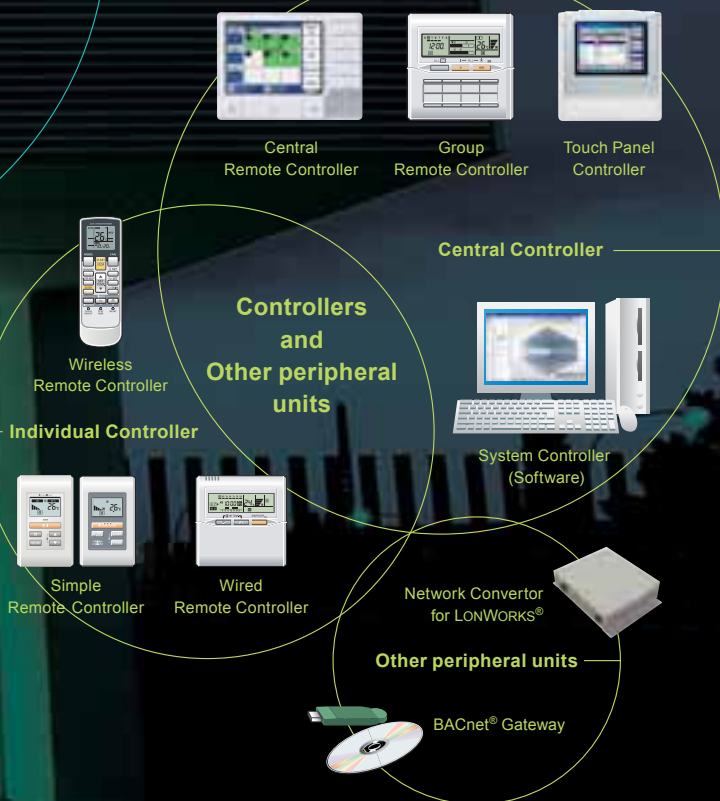
The AIRSTAGE J-II Series allows you to select the number of connectable indoor units and the connection capacity to match the application, building size, and interior.

In addition, we offer a broad lineup of controllers that can be selected to match the use application.



Indoor unit

12 types,
52 models ranging
from
2.2 kW to 14.0 kW



4 HP / Number of connectable indoor unit : 2 to 6 units



5 HP / Number of connectable indoor unit : 2 to 8 units



6 HP / Number of connectable indoor unit : 2 to 9 units















Outdoor units lineup

Model name		AJ*A36LALH	AJ*A45LALH	AJ*A54LALH
Capacity range (HP)		4	5	6
Power source		Ø1, 220~240V, 50Hz	Ø1, 220~240V, 50Hz	Ø1, 220~240V, 50Hz
Maximum connectable indoor unit		6	8	9
Capacity (kW)	Cooling	11.2	14.0	15.5
	Heating	12.5	16.0	18.0
Input power (kW)	Cooling	2.80	3.89	4.49
	Heating	2.76	3.81	4.56
EER		4.00	3.60	3.45
COP		4.53	4.20	3.95
Dimensions (H×W×D) (mm)		1,340 x 970 x 370	1,340 x 970 x 370	1,340 x 970 x 370
Weight (kg)		122	122	122
Pipe diameter (mm)	Small/Large	9.52/15.88	9.52/15.88	9.52/19.05
Operation range (°CDB)	Cooling	-5 to 46		
	Heating	-20 to 21		
Refrigerant		R410A		







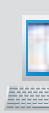


AJ* : AJY (FUJITSU), AJH (GENERAL)

Indoor units lineup

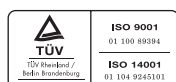
Capacity range (kW)			2.2	2.8	3.6	4.5	5.6	7.1	9.0	11.2	12.5	14.0
Compact Cassette		AUXB07LALH / AUXB09LALH / AUXB12LALH / AUXB14LALH / AUXB18LALH / AUXB24LALH	●	●	●	●	●	●				
Cassette		AUXD18LALH / AUXD24LALH / AUXA30LALH / AUXA36LALH / AUXA45LALH / AUXA54LALH					Slim	Slim	●	●	●	●
Compact Duct		ARXB07LALH / ARXB09LALH / ARXB12LALH / ARXB14LALH / ARXB18LALH	●	●	●	●	●					
Slim Duct (Drain Pump internal)		ARXD07LATH / ARXD09LATH / ARXD12LATH / ARXD14LATH / ARXD18LATH / ARXD24LATH	●	●	●	●	●	●				
Low Static Pressure Duct		ARXB24LATH / ARXB30LATH / ARXB36LATH / ARXB45LATH						●	●	●	●	
Duct		ARXA24LATH / ARXA30LATH / ARXA36LATH / ARXA45LATH						●	●	●	●	
High Static Pressure Duct		ARXC36LATH / ARXC45LATH								●	●	
Floor / Ceiling		AB*A12LBTH / AB*A14LBTH / AB*A18LBTH / AB*A24LBTH			●	●	●	●				
Ceiling		AB*A30LBTH / AB*A36LBTH / AB*A45LBTH / AB*A54LBTH							●	●	●	●
Compact Wall Mounted EEV internal		AS*A07LACH / AS*A09LACH / AS*A12LACH / AS*A14LACH	●	●	●	●						
Compact Wall Mounted EEV external		AS*E07LACH / AS*E09LACH / AS*E12LACH / AS*E14LACH	●	●	●	●						
Wall Mounted		AS*A18LACH / AS*A24LACH / AS*A30LACH					●	●	●			

AB* : ABY (FUJITSU), ABH (GENERAL) AS* : ASY (FUJITSU), ASH (GENERAL)

Controllers lineup

Individual Controller			Central Controller				For BMS		
Wireless Remote Controller	Simple Remote Controller	Wired Remote Controller	Group Remote Controller	Central Remote Controller	Touch Panel Controller	System Controller (Software)	Network Converter for LONWORKS®	BACnet® Gateway	
									
UTY-LNH*	UTY-RSK* UTY-RHK*	UTY-RNK*	UTY-CGG* Max. Controllable 18 indoor units*1	UTY-DCG* Max. Controllable 100 indoor units	UTY-DTG* Max. Controllable 400 indoor units	UTY-APGX Max. Controllable 1600 indoor units	UTY-VLGX	CD-ROM (Software) Software Protection Key UTY-ABGX	

* : Y (FUJITSU), G (GENERAL) *1 : Refrigerant system × 2



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Fujitsu General (Thailand) Co., Ltd.



ISO 9001
Certified number : 01 100 79269 Certified number : 272043
Fujitsu General (Shanghai) Co., Ltd.



ISO 9001
Certified number : 00508021061R2M Certified number : 00609E20454R2M
Fujitsu General Central Air-conditioner (Wuxi) Co., Ltd.

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