

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.

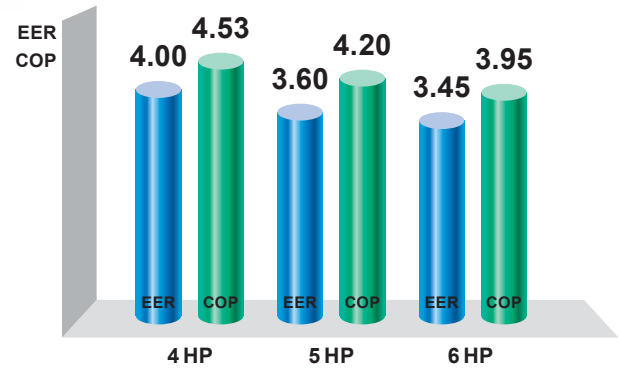
Fujitsu General provides air conditioning systems for a wide range of applications from small office buildings and stores to large houses.



High Energy Saving

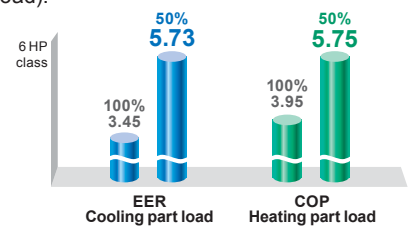
High EER / COP

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).



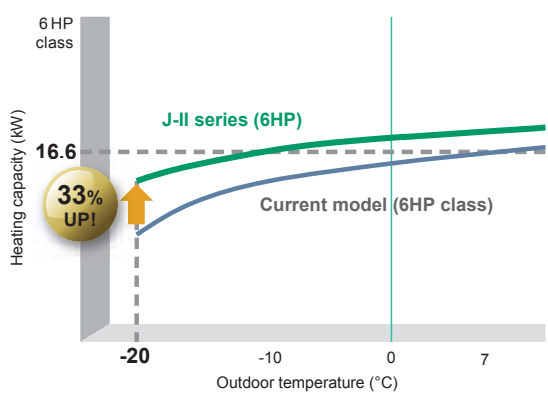
Various energy saving function

- **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

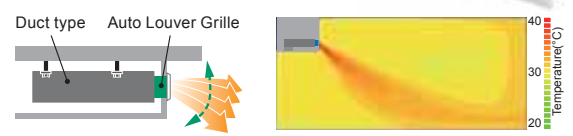
Powerful Heating

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



Comfort control

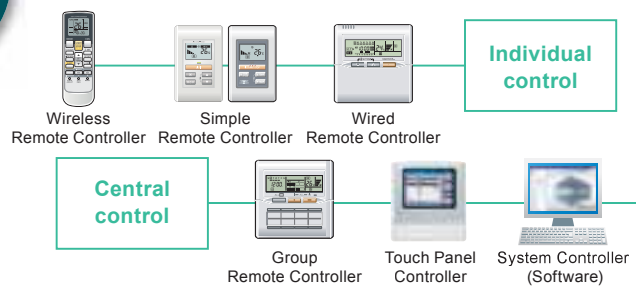
- **Low noise mode** : Outdoor unit can be switched to silent mode, depending on the installation environment.
- **Easy auto changeover setting** : Switching to cooling and heating mode by specific remote controller in the main room etc.
- **Non-stop oil recovery operation** : The product continues to 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

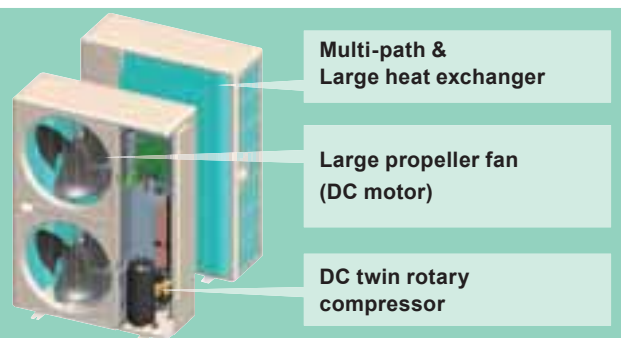
Automatic display of number of connected indoor unit



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.

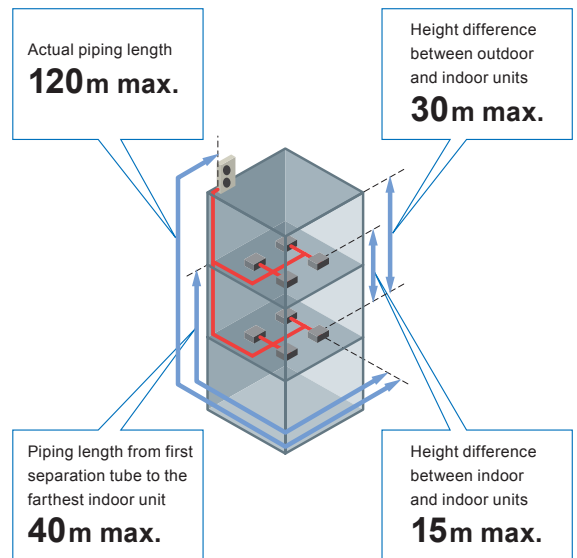




Long Piping Length

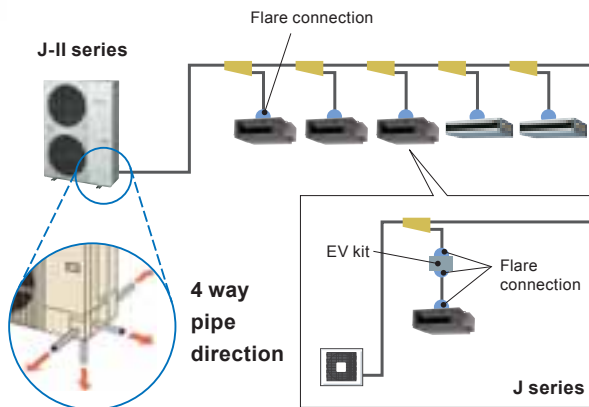
Our advanced refrigerant control technology allows us to achieve a total refrigerant piping length of 180 m. This opens up new possibilities in system design.

Total piping length	180m max.
Indoor unit 12 types, 52 models	Connectable indoor unit capacity range 130% max.



Flexible Installation

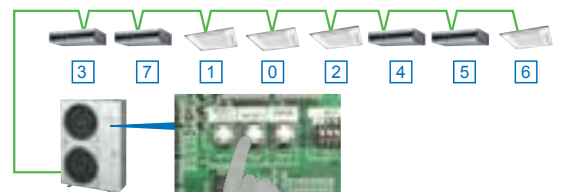
Improvement of the reliability by decreasing the flare connection.



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

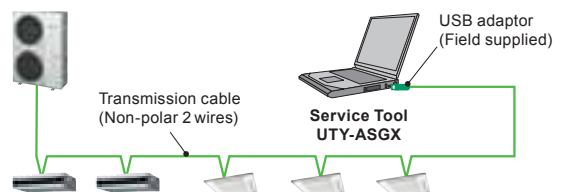
Confirm detail operational and trouble status without using specific equipment



Easy to read 7-segment LED

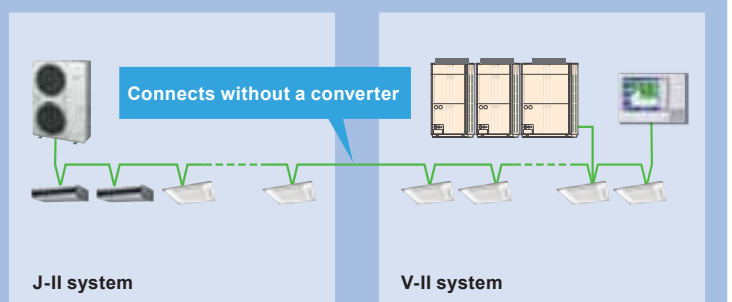
Connection to Service Tool

- 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.

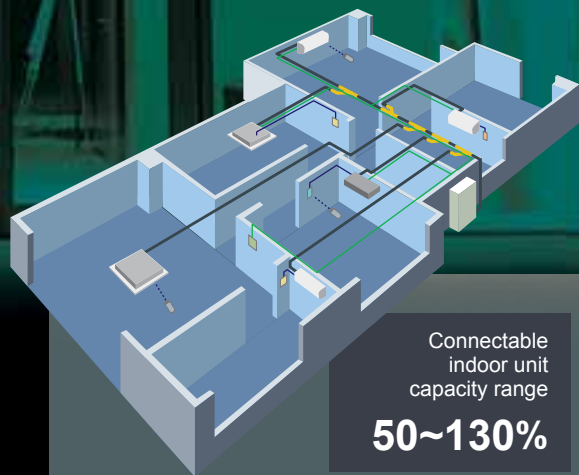


System Outline

Outdoor unit

AJ*A36LALH
AJ*A45LALH
AJ*A54LALH

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

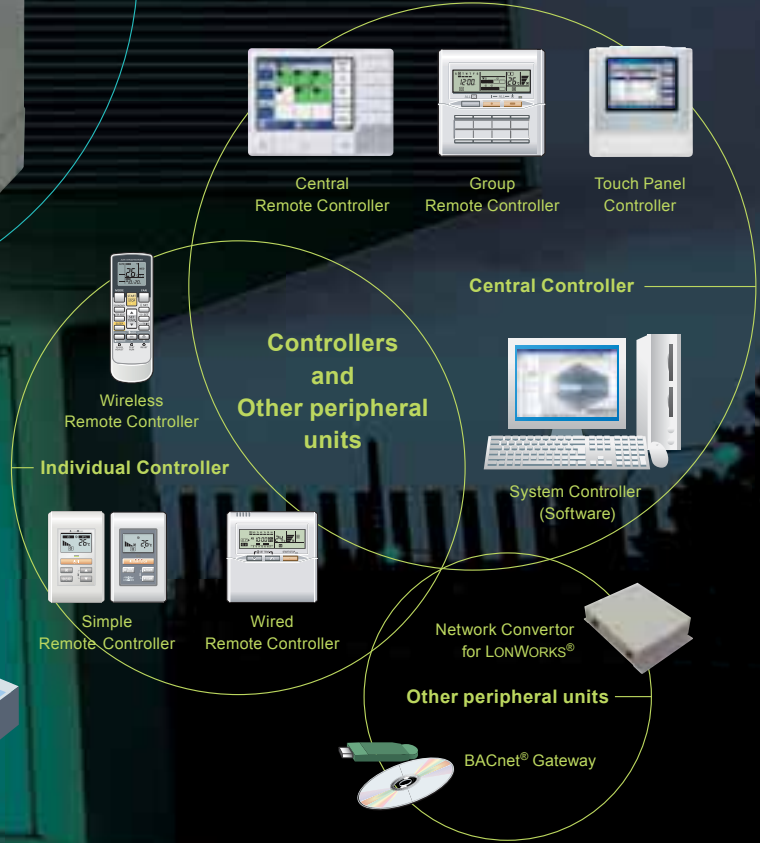


Connectable indoor unit capacity range

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.

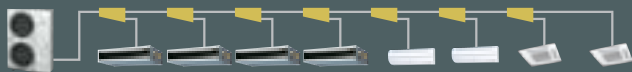
In addition, we offer a broad lineup of controllers that can be selected to match the use application.



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
	Heating	12.5	16.0
Input power (kW)	Cooling	2.80	3.89
	Heating	2.76	3.81
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	9.52/19.05
Operation range (°CDB)	Cooling	-5 to 46	
	Heating	-20 to 21	
Refrigerant	R410A		






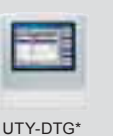



AJ* : AJY (FUJITSU), AJH (GENERAL)

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*	 With operation mode Without operation mode 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



ISO 9001 Certified number : 01 100 89394
Fujitsu General (Thailand) Co., Ltd.



ISO 9001 Certified number : 01 100 79259
Fujitsu General (Shanghai) Co., Ltd.



ISO 14001 Certified number : 272043
Fujitsu General (Shanghai) Co., Ltd.



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

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