

FUJITSU

THE POSSIBILITIES ARE INFINITE

Refrigerant
R410A
Tentative

INVERTER

Heat Pump 2 Room Multi System



FUJITSU GENERAL LIMITED

PRODUCT FEATURES

THE INTELLIGENT CHOICE IN COMFORT

That's what Fujitsu air conditioners have to offer. The Fujitsu inverter multi system promises to make your life more comfortable. Featuring advanced DC inverter technology, we offer you more power and more efficiency than



Features

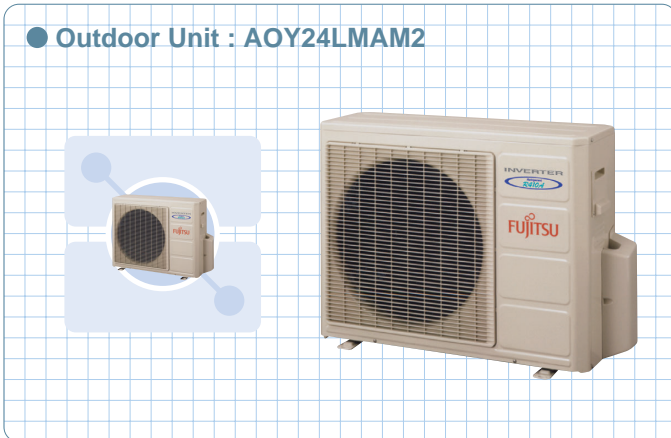
DC Inverter Multi System

The Fujitsu Inverter System is equipped with a state of the art DC Twin Rotary Compressor. It can reach the room temperature you set 15% quicker than conventional models and precisely maintain it at a difference of just 0.5°C. Advanced DC Twin Rotary Compressor makes operation at High Power and High Efficiency a reality.



High power, High COP & Energy Saving

Outdoor Unit : AOY24LMAM2



- European Energy label regulation **RANK A** .
- Maximum output capacity in industry.
7.9kW (Cooling) 8.8kW (Heating)
- Adopting high efficient DC twin rotary compressor.
- Adopting an inverter circuit of PAM (Power Active Module) system.
- High Efficiency DC Inverter Multi system permits energy saving operation and 50% higher efficiency than a Constant-Speed Multi system. Improved Inverter cooling ratio prevents decrease in capacity under overload operation.

Flexible Use

- The indoor unit which can be connected to one outdoor unit is selectable only 2 types from 4 kinds of capacity types.

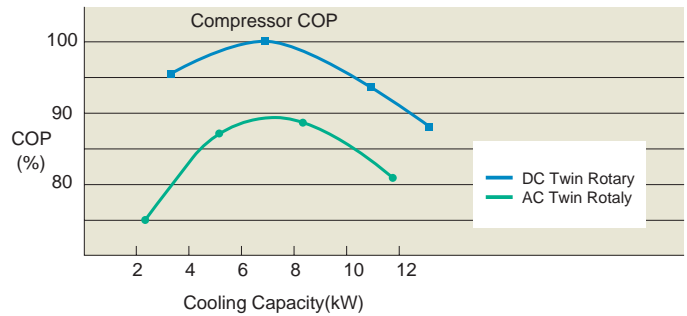
Flexible Installation

By means of 30m (gas charge-less 30m) long piping, the outdoor unit can be installed in a wide range of properties.

High COP

	New model
Cooling	3.49
Heating	3.98

Comparison of cooling efficiency of DC compressor (against AC compressor)



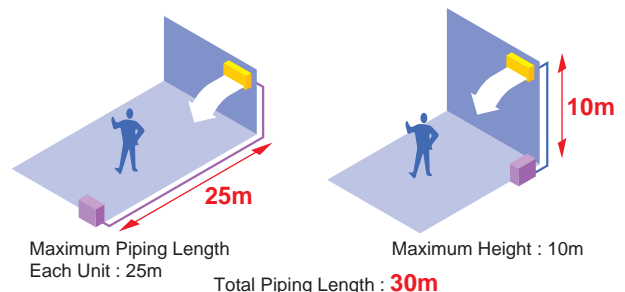
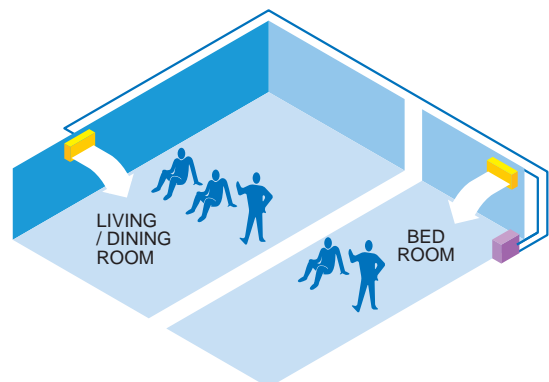
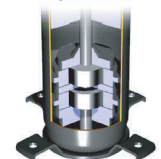
Capacity (at 230V)

	Rated	Max.
Cooling	5.8kW	7.9kW
Heating	6.4kW	8.8kW

Energy Saving Over a Year's Time



DC twin rotary compressor



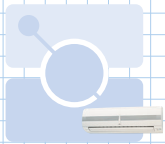
Prevents EMI to television sets, radios, and computers meeting European EMC Standards and improves resistance against extraneous noise.

PRODUCT FEATURES

Indoor Unit



- **Wall Mounted Type Large Size :**
ASY18LMA-W
 - ⊖ 5.2kW (17,800BTU/h)
 - ⊕ 5.8kW (19,800BTU/h)



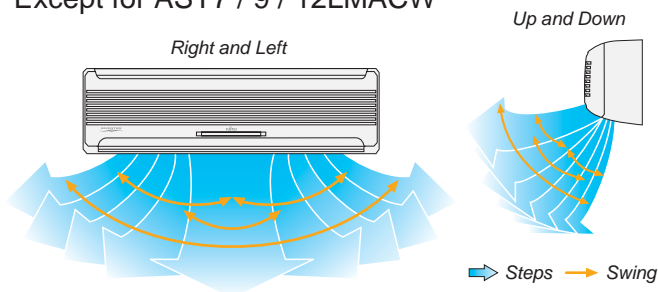
- **Wall Mounted Type Small Size :**
ASY7LMACW
 - ⊖ 2.2kW (7,500BTU/h)
 - ⊕ 2.6kW (8,500BTU/h)
- ASY9LMACW**
 - ⊖ 2.7kW (9,200BTU/h)
 - ⊕ 3.3kW (11,300BTU/h)
- ASY12LMACW**
 - ⊖ 3.5kW (12,000BTU/h)
 - ⊕ 4.1kW (14,000BTU/h)



Multi Airflow

Vertical and horizontal air direction control supplies regular airflow and suppresses temperature changes even in a large room.

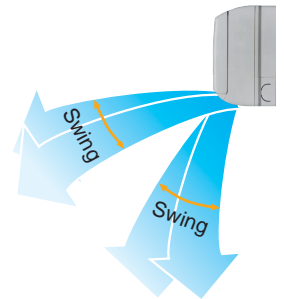
*Except for ASY7 / 9 / 12LMACW



Auto Swing Louver

It is possible to obtain the optimum air flow direction corresponds to the each operation mode by using the "Auto Swing Louver" function.

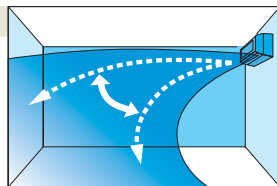
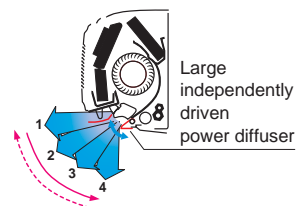
*Except for ASY18LMA-W



→ Steps → Swing
 Cooling mode : 2-step air directions
 Heating mode : 4-step air directions

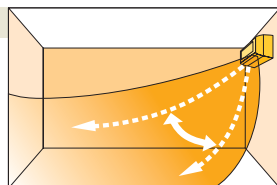
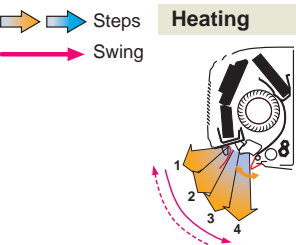
Large independently driven power diffusers used

Cooling



Horizontal concentration and other air direction control

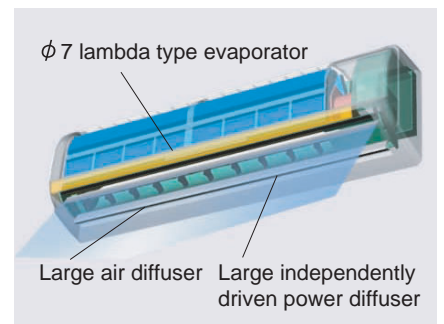
Heating



Wide down flow

Operation sound (Low noise)

- Hi : 42dB - 18type actual data
- High efficiency fan construction ⇒ ϕ 7mm Lambda type evaporator improves the airflow path
- Large air diffuser



Auto-Changeover

The optimum operation mode based on your temperature setting is automatically selected and pleasant air conditioning is performed.

Auto Restart

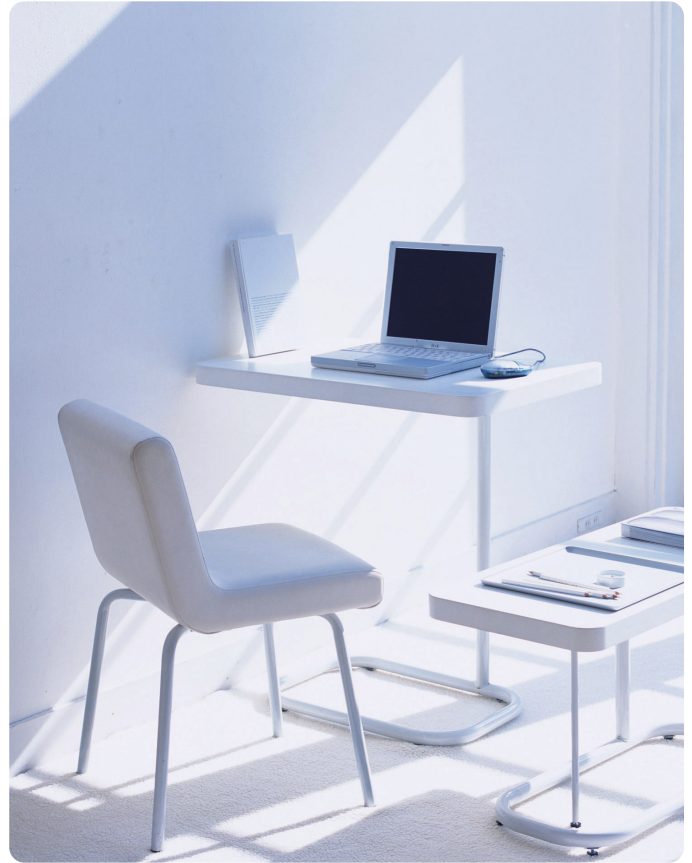
In the event of a temporary power failure, the air conditioner will automatically restart in the same operating mode as before, once the power is restored.

Quiet Operation

In quiet mode :
 ASY7LMACW [27dB (A)], ASY9LMACW [31dB (A)]

Easy installation

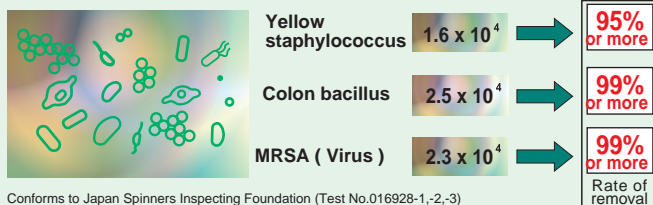
Larger space at base of housing means extra 15% piping space.



"WASABI"filter & Light-regenerated deodorizing filter

"WASABI"filter

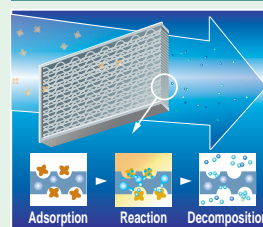
Bacteria in air / Type of mold etc



Conforms to Japan Spinners Inspecting Foundation (Test No.016928-1,-2,-3)

Exchange timing : Once / three months

Light-regenerated deodorizing filter



Deodorizing effect (Malodor reduction speed)

Bad smell	0 minutes - After 30 minutes	
	Initial value (Rate of content)	Rate of removal
Ammonia	21.4ppm/m ³	60% or more
Acetaldehyde	6.1ppm/m ³	35% or more
Acetic acid	1.5ppm/m ³	75% or more

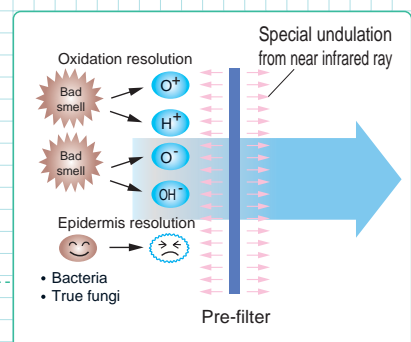
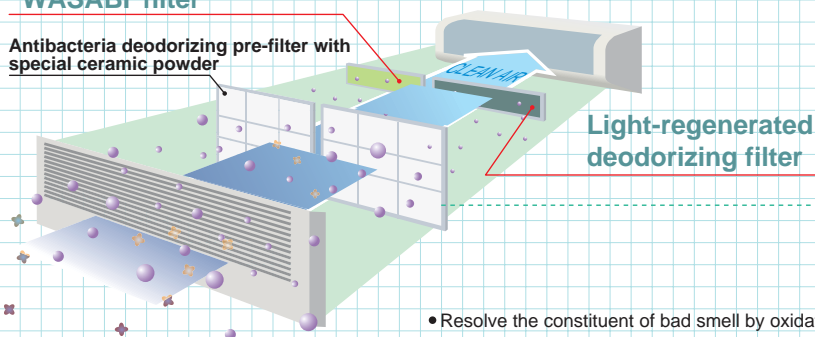
Conforms to The Japan Electrical Manufacturers' Association's standard JEM1467; Deodorizing Performance Test

Cleaning and maintenance : Deodorization capability is reproduced by illuminating the sunlight of about 6 hours to a filter every 6 months. (Repeated use available for about 3 years)

Mechanism of deodorization and anti-bacteria

"WASABI"filter

Antibacteria deodorizing pre-filter with special ceramic powder

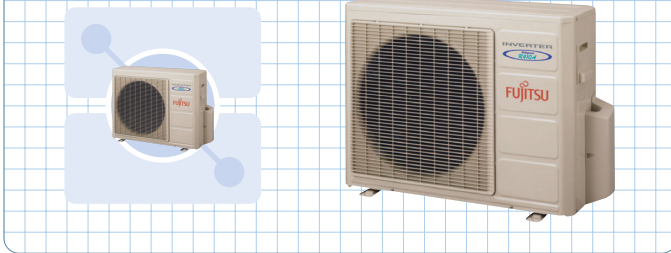


- Resolve the constituent of bad smell by oxidation and restoration reaction.
- Resolve the epidermis of the cell and restrain from propagation of bacteria / mould.

PRODUCT FEATURES

Outdoor Unit

Outdoor Unit : AOY24LMAM2

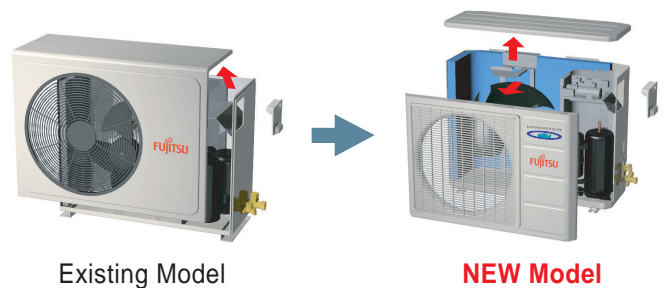


Compact Design



Easy Installation and Easy Maintenance

Improving the maintenance by being made the attachment and detachment of top panel to easy operation.



Corresponding with low outdoor temperature

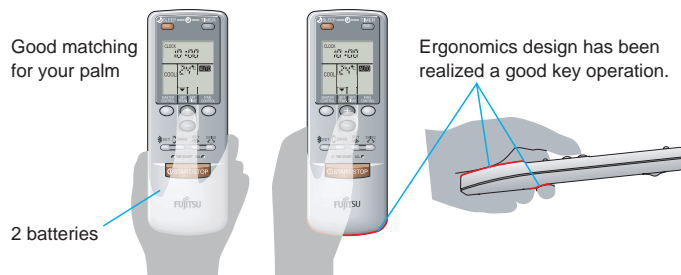
Cooling operation : **0G**, Heating operation : Corresponding to **-10G**

Wireless Remote Controller

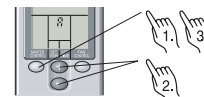
Compact and Ergonomics Designed Form (Example is ASY18LMA-W)

Good matching for your palm

Ergonomics design has been realized a good key operation.



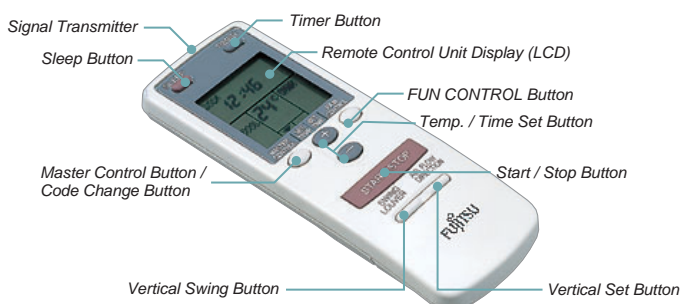
Transmission Code Change (Except for ASY7 / 9 / 12LMACW)



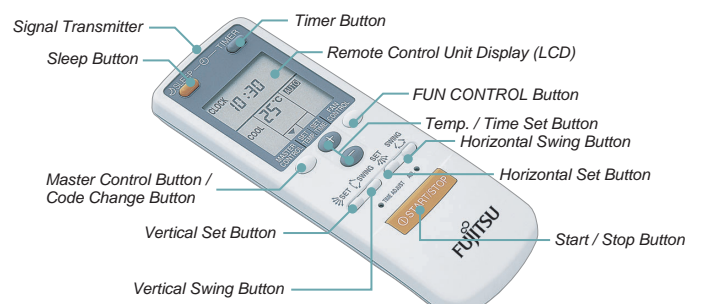
1. Press the MASTER CONTROL button or more five seconds to start the code change.
2. Press the (+) or (-) button to select the desired code.
 A → B → C → D
3. Press the MASTER CONTROL button again to end the code change.

Function Buttons

● ASY7 / 9 / 12LMACW



● ASY18LMA-W




Capacity Table *Tentative (1 φ 50Hz 230V)*


Only the combination of 2 indoor units can connected with 1 outdoor unit.

● SYSTEM 2 : 1 outdoor unit to 2 indoor units.

SYSTEM 2
1 outdoor unit to 2 indoor units.



Combination of Indoor Unit



Room A

ASY7LMACW
C 2.20kW
H 2.60kW

or


ASY9LMACW
C 2.70kW
H 3.30kW

or

ASY12LMACW
C 3.50kW
H 4.10kW

or

ASY18LMA-W
C 5.20kW
H 5.80kW



Room B

ASY7LMACW
C 2.20kW
H 2.60kW

or

ASY9LMACW
C 2.70kW
H 3.30kW

or

ASY12LMACW
C 3.50kW
H 4.10kW

Cooling Mode

AOY24LMAM2	Indoor Unit		Unit each capacity (kW)		Capacity (kW)			Current (A)			Input (kW)		
	1	2	1	2	Min	Rated	Max	Min	Rated	Max	Min	Rated	Max
Only 1 indoor unit in operations	7	-	2.20	-		2.2	2.5		3.8	4.1		0.86	0.93
	9	-	2.70	-		2.7	3.0		4.2	4.6		0.95	1.04
2 indoor units connected	12	-	3.50	-		3.5	4.0		5.1	5.8		1.15	1.31
	18	-	5.20	-		5.2	5.9		7.1	8.7		1.62	1.97
SYSTEM 2	7	7	2.20	2.20		4.4	5.0		6.0	6.9		1.37	1.57
	9	7	2.70	2.20		4.9	5.3		7.0	7.3		1.58	1.65
	9	9	2.70	2.70		5.4	6.0		7.2	9.5		1.63	2.16
	12	7	3.10	2.30		5.4	6.1		7.2	8.7		1.63	1.99
	12	9	3.00	2.50		5.5	6.9		7.2	11.2		1.64	2.56
	12	12	2.80	2.80		5.6	7.4		7.2	12.3		1.64	2.80
	18	7	4.00	1.70		5.7	7.7		7.3	12.3		1.66	2.80
	18	9	3.80	2.00		5.8	7.8		7.3	12.3		1.66	2.80
18	12	3.50	2.30		5.8	7.9		7.3	12.3		1.66	2.80	

Heating Mode

AOY24LMAM2	Indoor Unit		Unit each capacity (kW)		Capacity (kW)			Current (A)			Input (kW)		
	1	2	1	2	Min	Rated	Max	Min	Rated	Max	Min	Rated	Max
Only 1 indoor unit in operations	7	-	2.60	-		2.6	3.2		4.8	5.8		1.08	1.31
	9	-	3.30	-		3.3	4.0		5.6	6.9		1.26	1.56
2 indoor units connected	12	-	4.10	-		4.1	4.6		6.6	7.7		1.49	1.74
	18	-	5.80	-		5.8	7.5		7.9	12.3		1.80	2.80
SYSTEM 2	7	7	2.60	2.60		5.2	6.4		6.9	9.2		1.57	2.09
	9	7	3.20	2.50		5.7	7.2		7.2	10.8		1.63	2.47
	9	9	3.15	3.15		6.0	7.8		8.4	12.4		1.91	2.82
	12	7	3.60	2.60		6.2	7.8		8.3	12.4		1.88	2.82
	12	9	3.40	2.90		6.3	7.9		8.2	12.4		1.86	2.82
	12	12	3.20	3.20		6.4	8.2		8.1	12.4		1.84	2.82
	18	7	4.30	2.00		6.3	8.7		7.2	12.4		1.63	2.82
	18	9	4.10	2.30		6.4	8.8		7.1	12.4		1.61	2.82
18	12	3.80	2.60		6.4	8.8		7.0	12.4		1.60	2.82	

Indoor Unit *7*=ASY7LMACW Indoor Unit *9*=ASY9LMACW Indoor Unit *12*=ASY12LMACW Indoor Unit *18*=ASY18LMA-W

7

Specifications for Inverter Model

Indoor Unit

Model No			ASY7LMACW	ASY9LMACW	ASY12LMACW	ASY18LMA-W
Capacity	Cooling	kW	2.2	2.7	3.5	5.2
		BTU	7,500	9,200	12,000	17,800
	Heating	kW	2.6	3.3	4.1	5.8
		BTU	8,500	11,300	14,000	19,800
Noise Level	High	dB (A)	33	37	40	42
	Med	dB (A)	31	35	37	39
	Low	dB (A)	29	33	35	36
	Quiet	dB (A)	27	31	33	32
Dimensions (H x W x D)		mm	257 x 808 x 187			320 x 1,120 x 220
Net Weight		kg	8			16
Air Flow Rate		m ³ /h	360	440	480	800
Pipe Connections	Type		Flare			
	Liquid Side		φ 6.35	φ 6.35	φ 6.35	φ 6.35
	Gas Side		φ 9.52	φ 9.52	φ 9.52	φ 12.7

Outdoor Unit

Model No			AOY24LMAM2	
Number of Indoor Units			2	
Combined I.U / O.U. Total Capacity		kW (BTU)	4.0-9.0 (14,000-30,000BTU)	
Operating Mode			Cooling	Heating
Power Supply			230V 50Hz	
Rated	Capacity	kW	5.8	6.4
		BTU	19,800	21,900
	Running Current	A	7.3	7.1
	Power Input	kW	1.66	1.61
	Power Factor	%	99	99
COP			3.49	3.98
Capacity Range		kW	2.2-7.9	2.6-8.8
Running Current		A	3.8-12.3	4.8-12.3
Power Input Range		kW	0.86-2.80	1.08-2.82
Starting Current		A	10	
Noise Level		dB (A)	49	
Dimensions (H x W x D)		mm	650 x 830 x 350	
Net Weight		kg	56	
Compressor	Type		Twin Rotary Type with DC-inverter	
	Motor Output	kW	1.3	
Piping Connections	Type		Flare	
	Unit A		φ 6.35 / φ 9.52 or φ 12.7	
	Unit B		φ 6.35 / φ 9.52 or φ 12.7	
Maximum Pipe Length	Each Unit	m	25	
	Total	m	30	
Maximum Pipe Height Different		m	10	
Refrigerant			R410A 1,900g	
Wiring Connection	Power Supply		2 Wires + Earth	
	Indoor to Outdoor		3 Wires + Earth	
Operating Temperature Outdoor		℃	0 to 43 (Cooling) / -10 to 21 (Heating)	

I.U.=Indoor Unit O.U.=Outdoor Unit



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Fujitsu General (Shanghai) Co., Ltd.

ISO 14001 Certified number:104692
Fujitsu General (Shanghai) Co., Ltd.

ISO 9001 Certified number:09 100 89394
Fujitsu General (Thailand) Co., Ltd.

ISO 14001 Certified number:09 104 9245
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