

Select any type of air conditioners you like to suit the atmosphere of your room.



### Energy Saving

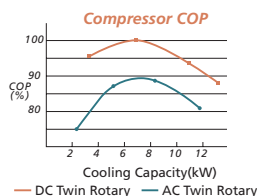
High Efficiency DC Inverter Multi system permits energy saving operation and 40% higher efficiency than a Constant-Speed Multi system. Improved Inverter cooling ratio prevents decrease in capacity under overload operation.

Energy Saving Over a Year's Time



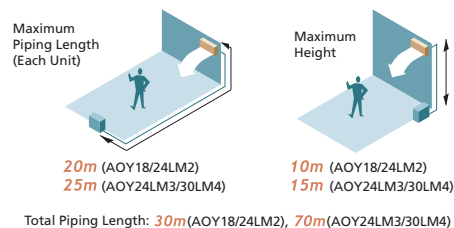
### DC Twin Rotary Compressor

Efficiency is improved over a wide range from high-speed rotation at high load up to the low-speed rotation region at low-load where long-term use is especially frequent, and high power is produced with little power consumption. Also, twin rotor provides low-vibration and quiet operation.



### Flexible Installation

The outdoor unit can be installed in a wide range of properties by the long piping of 30m (gas charge less) for AOY18/24LM2 and 70m (gas charge less up to 40m) for AOY24LM3/30LM4.

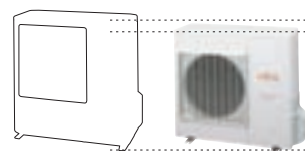


### Specifications

Model No.		INVERTER MULTI-TYPE SYSTEMS				
Item	Indoor Unit	Wall Mounted, Floor/Ceiling Universal, Cassette, Duct				
	Outdoor Unit	AOY18LM2	AOY24LM2	AOY24LM3	AOY30LM4	
Rank		B/B	A/A	A/B	A/A	
Capacity	Cooling	5.50	5.80	7.00	8.00	
	Heating	6.40	6.40	9.00	9.60	
	Cooling	18,800	19,800	23,900	27,300	
	Heating	21,900	21,900	30,700	32,800	
Moisture Removal	l/h	-	-	-	-	
Room Air Circulation (High)	Inner	[AUY12/14/18] 780 [ABY24] 880 [AUY12] 550 [AUY14] 550 [AUY18] 620 [ARY9] 450 [ARY12] 580 [ARY14] 780 [ARY18] 800 [ARY22] 1040 [ASY7] 430 [ASY9] 470 [ASY12] 520 [ASY18] 950 [ASY24] 1020 [ABY14] 640				
	Outer	2,800	2,800	3,300	3300	
Input Power	V/ø/Hz	230/1/50	230/1/50	230/1/50	230/1/50	
Running Current	Cooling	7.50	7.50	9.10	9.70	
	Heating	8.00	7.10	11.50	10.50	
Power Consumption	Cooling	1.73	1.73	2.08	2.22	
	Heating	1.84	1.64	2.64	2.40	
EER	Cooling	3.18	3.35	3.36	3.60	
COP	Heating	3.48	3.90	3.41	4.00	
Dimensions H x W x D Net Weight	Inner	mm	[AUY12/14/18] 235x580x(580+70) [ARY9] 217x663x595 [ARY12/14/18/22] 217x953x595 [ABY14/18/24] 199x990x655 [ASY7/9/12] 257x808x187 [ASY18/24] 320x1,120x220			
		kg(lbs)	[AUY12/14/18] 18(39.7) [ARY9] 18(39.7) [ARY12/14/18/22] 25(55.1) [ABY14/18/24] 28(61.7) [ASY7/9/12] 8(17.6) [ASY18/24] 16(35.3)			
	Outer	mm	650x830x320	650x830x320	835x900x330	835x900x330
		kg(lbs)	56(123)	56(123)	68(150)	68(150)
Connection Method		Flare	Flare	Flare	Flare	
Connection Pipe Size (Small ø/Large ø)	mm	6.35/9.52, 6.35/12.70	6.35/9.52, 6.35/12.70	6.35/9.52x2, 6.35/12.70x1	6.35/9.52x2, 6.35/12.70x2	
Max Pipe Length /Height Difference		30(Total)	30(Total)	70(Total)	70(Total)	
	m	10	10	10	10	
Permissible Range of Outdoor Temp.	Cooling	0-46	0-46	0-46	0-46	
	Heating	-10-24	-10-24	-10-24	-10-24	
Refrigerant		R410A	R410A	R410A	R410A	
Grille		-	-	-	-	

### Compact Design

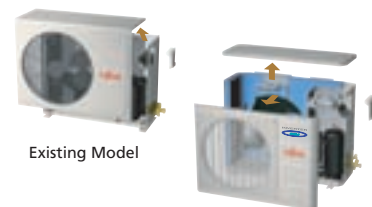
Outdoor Unit : AOY24LM3/30LM4



Current Model  
New Model  
H835 x W900 x D330

### Easy Installation and Easy Maintenance

Maintenance has been improved by making attachment and detachment of the top panel easy.



Existing Model

New Model



Cassette (Compact) Type  
AOY12/14/18LM



Duct Type (Small)  
ARY9LM  
Wired-Type



Duct Type  
ARY12/14/18/22LM  
Wired-Type



Universal Type  
ABY14/18/24LM



Wall Mounted Type  
ASY7/9/12LM



Wall Mounted Type  
ASY18/24LM



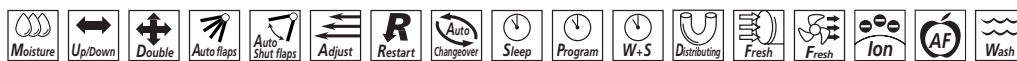
**AOY18LM2**   
C 5.50kW / 18,800BTU/h  
H 6.40kW / 21,900BTU/h

**AOY24LM2**   
C 5.80kW / 19,800BTU/h  
H 6.40kW / 21,900BTU/h



**AOY24LM3**   
C 7.00kW / 23,900BTU/h  
H 9.00kW / 30,700BTU/h

**AOY30LM4**   
C 8.00kW / 27,300BTU/h  
H 9.60kW / 32,800BTU/h



	Moisture	Up/Down	Double	Auto flaps	Auto Shut flaps	Adjust	Restart	Auto Changeover	Sleep	Program	W+S	Distributing	Fresh	Fresh	Ion	AF	Wash
AUY12L/14L/18L	•	•		•	•	•	•	•	•	•	•	•	•				•
ARY9L/12L/14L/18L/22L						•	•	•	•	•	•						•
ABY14L/18L			•	•	•	•	•	•	•	•							
ASY7L/9L/12L/18L/24L	•	•		•	•	•	•	•	•	•					•	•	•

### Capacity Table

- AOY18LM2** — 1 outdoor unit to 2 indoor units  
The total capacity of the indoor units that can be connected is 4.4 ~ 7.1kW(15,000 ~ 24,000BTU)
- AOY24LM2** — 1 outdoor unit to 2 indoor units  
The total capacity of the indoor units that can be connected is 4.4 ~ 8.7kW(15,000 ~ 30,000BTU)
- AOY24LM3** — 1 outdoor unit to 2 indoor units  
The total capacity of the indoor units that can be connected is 7.0 ~ 11.2kW(24,000 ~ 38,200BTU)
- AOY30LM4** — 1 outdoor unit to 3~4 indoor units  
The total capacity of the indoor units that can be connected is 7.9 ~ 14.3kW(27,000 ~ 49,000BTU)

	Wall Mounted type (Small Size)	Wall Mounted type (Large Size)	Cassette type (Compact)	Floor/Ceiling Universal type	Duct type (Small Size)	Duct type
<b>2.2kW</b> (7,500BTU)	ASY7LM 					
<b>2.7kW</b> (9,200BTU)	ASY9LM 				ARY9LM 	
<b>3.5kW</b> (11,900BTU)	ASY12LM 		AUY12LM 			ARY12LM 
<b>4.2kW</b> (14,300BTU)			AUY14LM 	ABY14LM 		ARY14LM 
<b>5.2kW</b> (17,800BTU)		ASY18LM 	AUY18LM 	ABY18LM 		ARY18LM 
<b>6.3kW</b> (21,500BTU)						ARY22LM 
<b>6.8kW</b> (23,200BTU)		ASY24LM 		ABY24LM 		

# MULTI TYPE SYSTEMS



2 ROOM



### AOY20FSU (AUY12FMAB, ASY7FMBD)

- C Unit A 3.50kW / 11,900BTU/h
- C Unit B 2.50kW / 8,500BTU/h

### AOY20USU (AUY12UMAB, ASY7UMB)

- C Unit A 3.50kW / 11,900BTU/h
- H Unit A 4.10kW / 14,000BTU/h
- C Unit B 2.20kW / 7,500BTU/h
- H Unit B 2.60kW / 8,900BTU/h

### AOY24FSU (ASY12FMBD, AUY12FMAB)

- C Unit A 3.50kW / 11,900BTU/h
- C Unit B 3.50kW / 11,900BTU/h

### AOY24USU (ASY12UMB, AUY12UMAB)

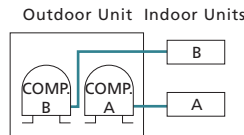
- C Unit A 3.50kW / 11,900BTU/h
- H Unit A 4.10kW / 14,000BTU/h
- C Unit B 3.50kW / 11,900BTU/h
- H Unit B 4.10kW / 14,000BTU/h



Model	Moisture	Up/Down	Auto flaps	Auto Shut flaps	Adjust	Restart	Changerover	Sleep	Program	On-Off	Distributing	Fresh
AOY20FSU	●	●	●	●	●	●	●	●	●	●	●	●
AOY20USU	●	●	●	●	●	●	●	●	●	●	●	●
AOY24FSU	●	●	●	●	●	●	●	●	●	●	●	●
AOY24USU	●	●	●	●	●	●	●	●	●	●	●	●

(Wall Mounted Type: Except "Program" "Distributing" "Fresh")

2 ROOM



### AOY19F (ASY9FMBD x2)

- C 2.85kW / 9,700BTU/h

### AOY19U (ASY9UMB x2)

- C 2.80kW / 9,600BTU/h
- H 3.25kW / 11,100BTU/h

### AOY20FSS (ASY12FMBD, ASY7FMBD)

- C Unit A 3.50kW / 11,900BTU/h
- C Unit B 2.50kW / 8,500BTU/h

### AOY20USS (ASY12UMB, ASY7UMB)

- C Unit A 3.50kW / 11,900BTU/h
- H Unit A 4.10kW / 14,000BTU/h
- C Unit B 2.20kW / 7,500BTU/h
- H Unit B 2.60kW / 8,900BTU/h

### AOY24FSS (ASY12FMBD x2)

- C Unit A 3.50kW / 11,900BTU/h

### AOY24USS (ASY12UMB x2)

- C 3.50kW / 11,900BTU/h
- H 4.10kW / 14,000BTU/h



Model	Moisture	Up/Down	Auto flaps	Auto Shut flaps	Adjust	Restart	Changerover	Sleep	Program	On-Off	Distributing	Fresh
AOY19F/20F/24FSS	●	●	●	●	●	●	●	●	●	●	●	●
AOY19U/20U/24USS	●	●	●	●	●	●	●	●	●	●	●	●

## Specifications

Model No.		MULTI-TYPE SYSTEMS										
		AOY19F		AOY19U		AOY20FSS		AOY20USS		AOY20FSU		
Item	Indoor Unit	ASY9FMBD	ASY9FMBD x 2	ASY9UMB	ASY9UMB x 2	ASY12FMBD, ASY7FMBD	ASY12FMBD + ASY7FMBD	ASY12UMB, ASY7UMB	ASY12UMB + ASY7UMB	AUY12FMAB, ASY7FMBD	AUY12FMAB + ASY7FMBD	
	Outdoor Unit	AOY19FMB2Z		AOY19UMB2Z		AOY19UMBSZ		AOY20UMBSZ		AOY20FMAXZ		
Rank		-	B	-	B / B	-	B	-	C / D	-	B	
	Capacity	Cooling kW	2.85	5.70	2.80	5.60	3.50, 2.50	6.00	3.50, 2.20	5.70	3.50, 2.50	6.00
Capacity	Heating kW	-	-	3.25	6.50	-	-	4.10, 2.60	6.70	-	-	
	Cooling BTU/h	9,700	19,500	9,600	19,100	11,900, 8,500	20,500	11,900, 7,500	19,500	11,900, 8,500	20,500	
Capacity	Heating BTU/h	-	-	11,100	22,200	-	-	14,000, 8,900	22,900	-	-	
	Moisture Removal	l/h	1.0	2.0	1.0	2.0	1.3, 0.8	2.1	1.3, 0.8	2.1	1.3, 0.8	2.1
Room Air Circulation (High)	Inner	520	520x2	470	470x2	520, 440	520+440	520, 420	520+420	550, 440	550+440	
	Outer	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	
Input Power	V/ø/Hz	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	
Running Current	Cooling	4.60	8.60	4.60	8.60	5.90, 3.90	9.10	5.80, 4.10	9.20	5.90, 3.90	9.10	
	Heating	-	-	4.60	8.60	-	-	6.10, 4.30	9.70	-	-	
Power Consumption	Cooling	1.02	1.89	0.99	1.86	1.32, 0.83	1.99	1.30, 0.86	2.03	1.32, 0.83	1.99	
	Heating	-	-	1.03	1.90	-	-	1.38, 0.95	2.15	-	-	
EER	Cooling	-	3.02	-	3.01	-	3.02	-	2.81	-	3.02	
COP	Heating	-	-	-	3.42	-	-	-	3.12	-	-	
Dimensions H x W x D	Inner	mm	257x808x187		257x808x187		257x808x187		257x808x187		AUY12 235x580x(580+70)	ASY7 257x808x187
		kg(lbs)	8(18)		8(18)		8(18)		8(18)		AUY12 18(40)	ASY7 8(18)
	Outer	mm	700x900x330		700x900x330		700x900x330		700x900x330		700x900x330	
		kg(lbs)	61(134)		63(139)		64(141)		66(146)		64(141)	
Connection Method		Flare		Flare		Flare		Flare		Flare		
Connection Pipe Size (Small ø/Large ø)	mm	6.35/9.52		6.35/9.52		6.35/9.52		6.35/9.52		6.35/9.52		
Max Pipe Length /Height Difference	m	15 + 15		15 + 15		15 + 15		15 + 15		15 + 15		
		8		8		8		8		8		
Permissible Range of Outdoor Temp.	°C	18-43		10-43		18-43		10-43		18-43		
		-		-5-24		-		-5-24		-		
Refrigerant		R410A		R410A		R410A		R410A		R410A		
Grille		-		-		-		-		UTG-UDYD-W		

## 2 ROOM



### AOY24FUU (AUY12FMAB x2)

3.50kW / 11,900BTU/h

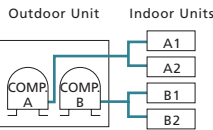
### AOY24UUU (AUY12UMAB x2)

3.50kW / 11,900BTU/h  
4.10kW / 14,000BTU/h



AOY24FUU	●	●	●	●	●	●	●	●	●	●	●	●	●
AOY24UUU	●	●	●	●	●	●	●	●	●	●	●	●	●

## 4 ROOM



Quantity of Used Indoor Units	Indoor Units	Capacity(BTU/h)
1	A1 or A2 or B1 or B2	12,500
2	A1+A2 (B1+B2)	8,200x2
	A1(A2)+B1(B2)	12,500x2
3	A1+A2+B1(B2)	8,200x2+12,500
	A1(A2)+B1+B2	12,500+8,200x2
4	A1+A2+B1+B2	8,200x4

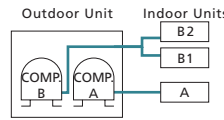
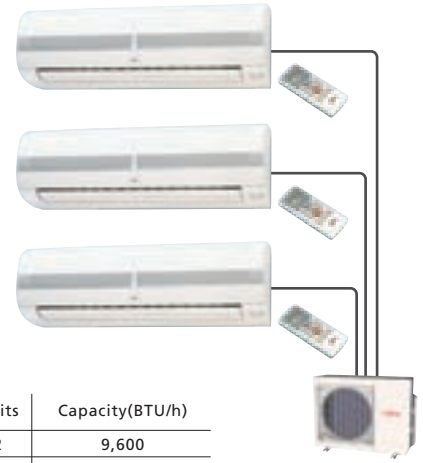


### AOY32E(4) (ASY12EMB)

3.45-3.50kW / 11,800-11,900BTU/h



## 3 ROOM



Quantity of Used Indoor Units	Indoor Units	Capacity(BTU/h)
1	B1 or B2	9,600
	A	8,500
2	B1 + B2	6,050+6,050
	A + B1(B2)	8,500+9,600
3	A + B1 + B2	8,500+6,050+6,050

### AOY20F(3) (ASY9FMBD) Rank A

Unit A 2.50kW / 8,500BTU/h  
Unit B1 2.80kW / 9,600BTU/h



## Specifications

Model No.	Indoor Unit	MULTI-TYPE SYSTEMS			
		AOY20F(3)		AOY32E(4)	
Item	Outdoor Unit	ASY9FMBD	ASY9FMBD x3	ASY12EMBCW x2	ASY12EMBCW x2
Rank		A		B	
Capacity	Cooling	2.50, 2.80	6.05	3.45-3.50	9.10-9.40
	Heating	-	-	-	-
	BTU/h	8,500, 9,600	20,700	11,800-11,900	31,000-32,000
Moisture Removal	l/h	0.8, 1.0	2.0	1.2	3.2
Room Air Circulation (High)	Inner	520	520x3	500	500x4
	Outer	3,200	3,200	3,000	3,000
Input Power	V/ø/Hz	230/1/50	230/1/50	220-240/1/50	220-240/1/50
Running Current	Cooling	4.00, 4.80	8.4	6.50-6.50	13.7-13.7
	Heating	-	-	-	-
Power Consumption	Cooling	0.85, 1.05	1.88	1.35-1.43	2.85-3.10
	Heating	-	-	-	-
EER	Cooling	-	3.22	-	3.19-3.03
COP	Heating	-	-	-	-
Dimensions H x W x D	Inner	257x808x187		260x815x175	
	Outer	700x900x330		1152x940x370	
Net Weight	kg(lbs)	8(18)		8(18)	
	mm	700x900x330		1152x940x370	
Connection Method	Flare	61(134)		101(223)	
	mm	6.35/9.52		6.35/12.7	
Max Pipe Length / Height Difference	m	15(20)		25	
Permissible Range of Outdoor Temp.	°C	8		8	
		18-43		18-43	
Refrigerant		R410A		R407C	
Grille		-			

## MULTI-TYPE SYSTEMS

AOY20USU		AOY24F55		AOY24U55		AOY24F5U		AOY24USU		AOY24FUU		AOY24UUU	
AUY12UMAB, ASY7UMBD	AUY12UMAB+ASY7UMBD	ASY12FMBD	ASY12FMBD x2	ASY12UMBD	ASY12UMBD x2	ASY12FMBD, AUY12FMAB	ASY12FMBD+ AUY12FMAB	ASY12UMBD, AUY12UMAB	ASY12UMBD+ AUY12UMAB	AUY12FMAB	AUY12FMAB x2	AUY12UMAB	AUY12UMAB x2
AOY20UMAXY		AOY24FMBZ2		AOY24UMBZ2		AOY24FMBZ		AOY24UMBZ		AOY24FMAUY		AOY24UMAUY	
C / D	-	C	-	C / C	-	C	-	C / C	-	C	-	C / C	-
3.50, 2.20	5.70	3.50	7.00	3.50	7.00	3.50	7.00	3.50	7.00	3.50	7.00	3.50	7.00
4.10, 2.60	6.70	-	-	4.10	8.20	-	-	4.10	8.20	-	-	4.10	8.20
11,900, 7,500	19,500	11,900	23,900	11,900	23,900	11,900	23,900	11,900	23,900	11,900	23,900	11,900	23,900
14,000, 8,900	22,900	-	-	14,000	28,000	-	-	14,000	28,000	-	-	14,000	28,000
1.3, 0.8	2.1	1.3	2.6	1.3	2.6	1.3	2.6	1.3	2.6	1.3	2.6	1.3	2.6
550, 420	550+420	520	520x2	520	520x2	520,550	520+550	520,550	520+550	550	550x2	550	550x2
3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200
230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
5.80, 4.10	9.20	5.90	11.20	5.80	11.20	5.9	11.2	5.8	11.2	5.9	11.2	5.8	11.2
6.10, 4.30	9.70	-	-	6.10	11.40	-	-	6.1	11.4	-	-	6.1	11.4
1.30, 0.86	2.03	1.32	2.49	1.30	2.55	1.32	2.49	1.30	2.55	1.32	2.49	1.30	2.55
1.38, 0.95	2.15	-	-	1.38	2.55	-	-	1.38	2.55	-	-	1.38	2.55
-	2.81	-	2.81	-	2.75	-	2.81	-	2.75	-	2.81	-	2.75
-	3.12	-	-	-	3.22	-	-	-	3.22	-	-	-	3.22
AUY12 235x580x(580+70)	ASY7 257x808x187	257x808x187		257x808x187		ASY12 257x808x187	AUY12 235x580x(580+70)	ASY12 257x808x187	AUY12 235x580x(580+70)	235x580x(580+70)		235x580x(580+70)	
AUY12 18(40)	ASY7 8(18)	8(18)		8(18)		ASY12 8(18)	AUY12 18(40)	ASY12 8(18)	AUY12 18(40)	18(40)		18(40)	
700x900x330	700x900x330	700x900x330		700x900x330		700x900x330	700x900x330	700x900x330	700x900x330	700x900x330		700x900x330	
66(146)	68(150)	68(150)		70(154)		68(150)	68(150)	70(154)	68(150)	68(150)		70(154)	
Flare	Flare	Flare		Flare		Flare	Flare	Flare	Flare	Flare		Flare	
6.35/9.52	6.35/9.52	6.35/9.52		6.35/9.52		6.35/9.52	6.35/9.52	6.35/9.52	6.35/9.52	6.35/9.52		6.35/9.52	
15 + 15	15 + 15	15 + 15		15 + 15		15 + 15	15 + 15	15 + 15	15 + 15	15 + 15		15 + 15	
8	8	8		8		8	8	8	8	8		8	
10-43	18-43	18-43		10-43		18-43	18-43	10-43	18-43	18-43		10-43	
-5-24	-	-		-5-24		-	-	-5-24	-	-		-5-24	
R410A	R410A	R410A		R410A		R410A	R410A	R410A	R410A	R410A		R410A	
UTG-UDYD-W	-	-		-		UTG-UDYD-W	UTG-UDYD-W	UTG-UDYD-W	UTG-UDYD-W	UTG-UDYD-W		UTG-UDYD-W	