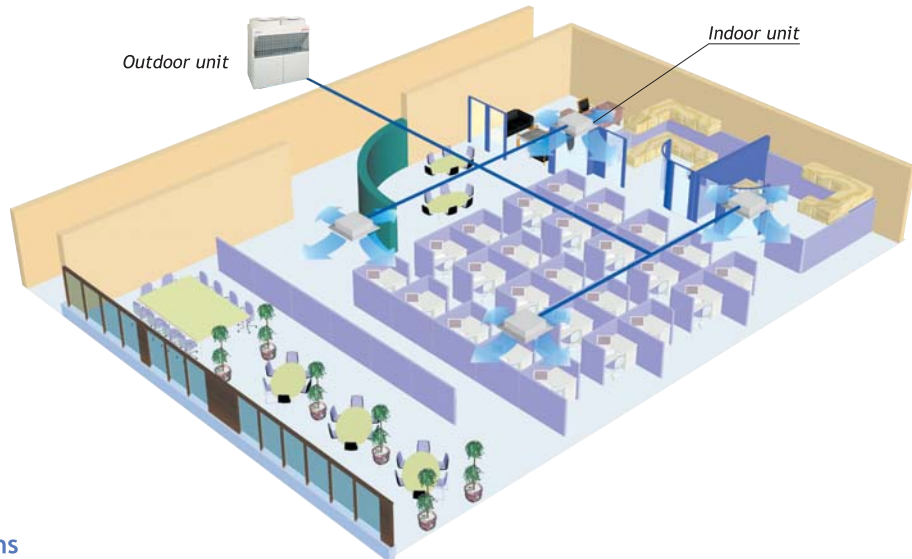


# BIG MULTI-TYPE SYSTEM

## SIMULTANEOUS OPERATION

REFRIGERANT **R407C**

Big multi-type system is convenient, economical and space saving in the cooling or heating mode.



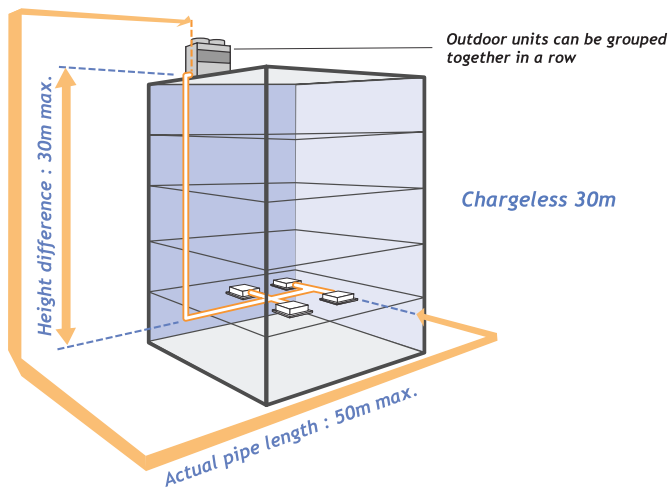
### Features of System Operations

- Simultaneous Operating System suitable for large spaces such as offices, lobbies and waiting rooms of high-rise buildings.
- One controller can simultaneously control cooling or heating by 2~4 indoor units.

- Long piping for high-rise buildings
- Various combinations of indoor unit types and capacities
- Centralized control by wire remote controller with weekly timer
- Space saving
- Easy installation
- Cooling & heating at low outdoor temperatures

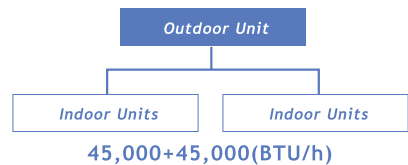
### Indoor Unit Lineup

CAPACITY (BTU)	CASSETTE (Compact)	CASSETTE	DUCT	DUCT (High Pressure)	CEILING/FLOOR	CEILING
	45,000					
36,000		●	●	●		●
30,000		●	●	●		●
(25,000)		●	●			
24,000					●	
18,000	●				●	

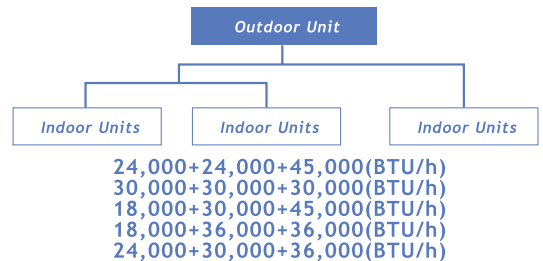


### Indoor Unit Combinations

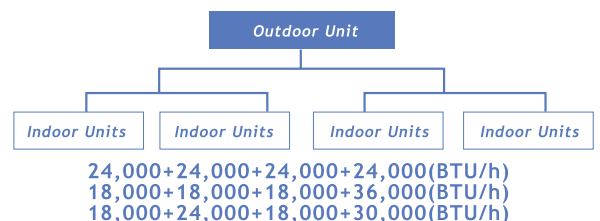
#### 2 INDOOR UNITS



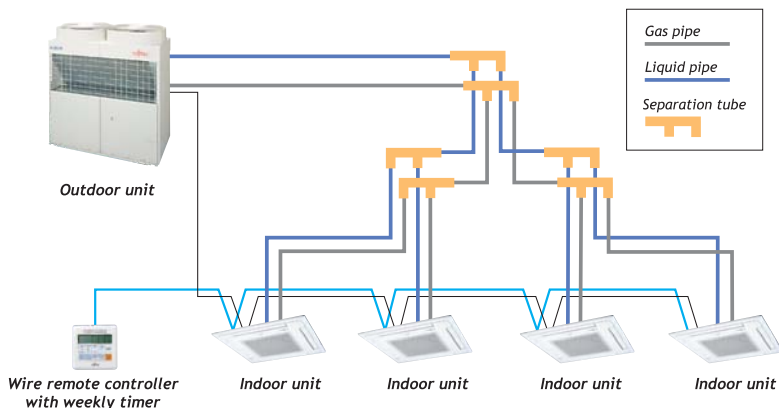
#### 3 INDOOR UNITS



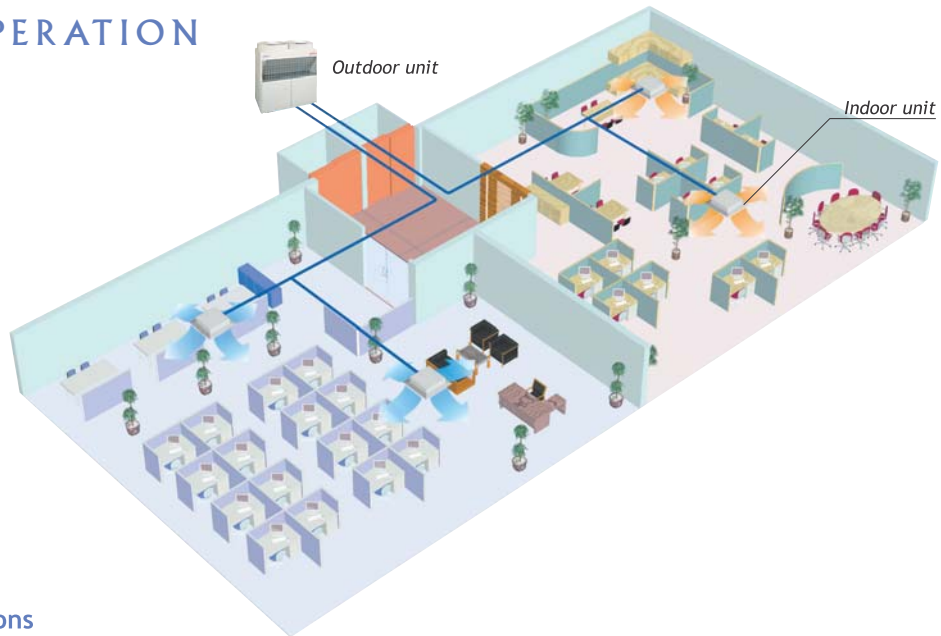
#### 4 INDOOR UNITS



### Refrigerant System



# INDIVIDUAL OPERATION



## Features of System Operations

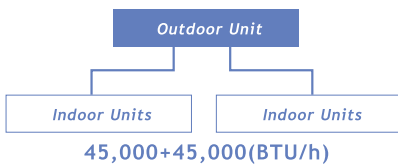
- Individual Operating System is suitable for large spaces such as hotels, commercial spaces, offices and restaurants.
- The system can cool and heat individually, because it has two refrigeration cycles.
- Two refrigeration cycles
- Various combinations of indoor unit types and capacities
- Centralized control by wire remote controller with weekly timer
- Space saving
- Easy installation
- Cooling & heating at low outdoor temperatures

## Indoor Unit Lineup

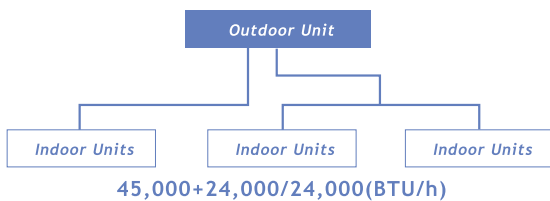
CAPACITY (BTU)	CASSETTE (Compact)	CASSETTE	DUCT	DUCT (High Pressure)	CEILING/FLOOR	CEILING
	45,000		●	●	●	
30,000		●	●			●
(25,000)		●	●			●
24,000					●	
18,000	●				●	

## Indoor Unit Combinations

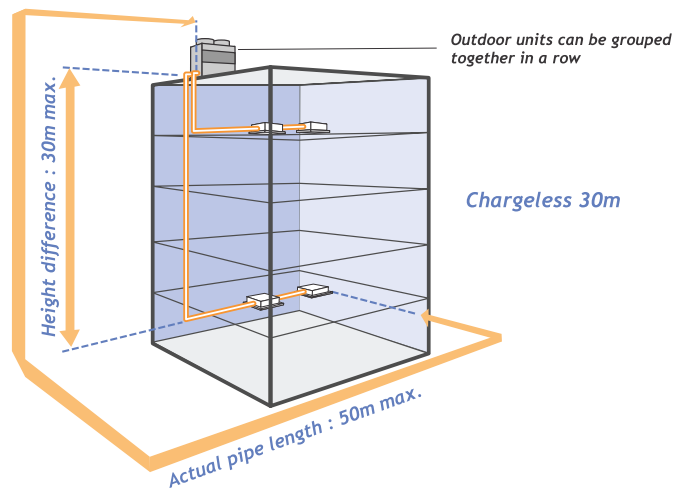
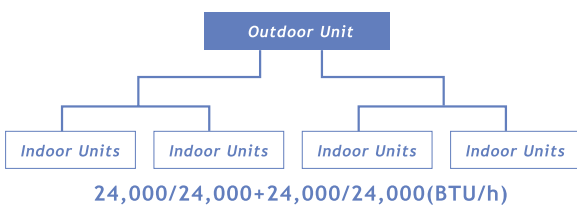
### 1 INDOOR UNIT + 1 INDOOR UNIT



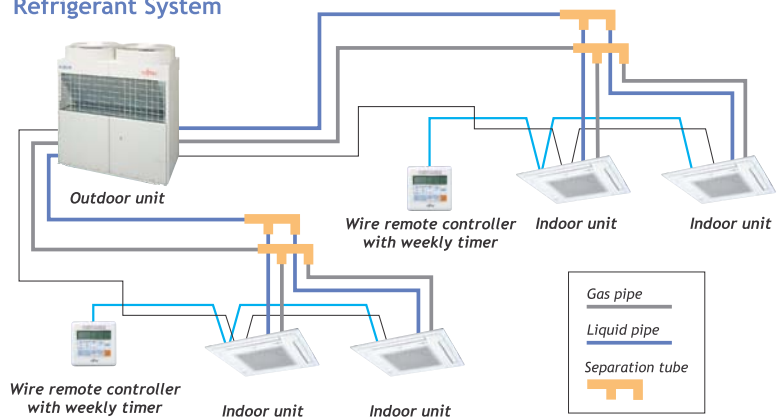
### 1 INDOOR UNIT + 2 INDOOR UNITS



### 2 INDOOR UNITS + 2 INDOOR UNITS



## Refrigerant System



► SPECIFICATIONS

BIG MULTI-TYPE SYSTEM

Item		Model No.	ABY18TLAMA	ABY24TLAMA	ABY30TLAMA	ABY36TLAMA	ABY45TLAMA
Power Input			220 - 240 / 1 / 50				
Capacity	Cooling	kW	5.20 - 5.30	6.50 - 6.60	8.60 - 8.80	10.30 - 10.50	12.40 - 12.70
			Heating	5.50 - 5.60	7.60 - 7.70	8.80 - 9.10	10.50 - 10.70
	Cooling	BTU/h	17,800 - 18,100	22,200 - 22,500	29,400 - 30,000	35,200 - 36,000	42,500 - 43,500
			Heating	18,800 - 19,100	25,900 - 26,300	30,000 - 31,000	36,000 - 36,500
Moisture Removal		l/h	2.2	3.4	4.0	4.0	5.5
Room Air Circulation(High)	High	m <sup>3</sup> /h	800	900	1,420	1,660	1,850
	Med		680	780	1,350	1,500	1,660
	Low		560	660	1,190	1,270	1,430
Fan Motor Output		W	30	40	160		
Fan Type x Q'ty			Sirocco x 2			Sirocco x 4	
Dimensions HxWxD		mm	199 x 990 x 655			240 x 1,660 x 700	
Net Weight		kg	28	30	48		
Connection Method			Flare				
Connection Pipe Size (Small / Large)			9.53 / 15.88		9.53 / 15.88	9.53 / 19.05	
Operation Range	Cooling	mm	18 ~ 30				
	Heating	°C	16 ~ 30				

BIG MULTI-TYPE SYSTEM

Item		Model No.	ARY25TLAMA	ARY30TLAMA	ARY36TLAMA	ARY45TLAMA
Power Input			220 - 240 / 1 / 50			
Capacity	Cooling	kW	6.95 - 7.05	8.60 - 8.80	10.30 - 10.50	12.40 - 12.70
			Heating	7.60 - 7.85	8.80 - 9.10	10.50 - 10.70
	Cooling	BTU/h	23,700 - 24,100	29,400 - 30,000	35,200 - 36,000	42,500 - 43,500
			Heating	25,900 - 26,800	30,000 - 31,000	36,000 - 36,500
Moisture Removal		l/h	2.5	4.0	4.0	5.5
Room Air Circulation(High)	High	m <sup>3</sup> /h	1,200	1,650	2,000	2,200
	Med		1,100	1,550	1,800	2,000
	Low		1,000	1,350	1,600	1,800
Fan Motor Output		W	70	275		
Fan Type x Q'ty			Sirocco x 2			
Dimensions HxWxD		mm	270 x 1,210 x 700			
Net Weight		kg	43	45		
Connection Method			Flare			
Connection Pipe Size (Small / Large)			9.53 / 15.88	9.53 / 19.05		
Operation Range	Cooling	mm	18 ~ 30			
	Heating	°C	16 ~ 30			

BIG MULTI-TYPE SYSTEM

Item		Model No.	AUY18TLAMA	AUY25TLAMA	AUY30TLAMA	AUY36TLAMA	AUY45TLAMA
Power Input			220 - 240 / 1 / 50				
Capacity	Cooling	kW	4.85 - 5.00	6.95 - 7.05	8.60 - 8.80	10.30 - 10.50	12.40 - 12.70
			Heating	5.30 - 5.45	7.60 - 7.85	8.80 - 9.10	10.50 - 10.70
	Cooling	BTU/h	19,000 - 19,900	23,700 - 24,100	29,400 - 30,000	35,200 - 35,800	42,300 - 43,400
			Heating	21,000 - 21,600	25,900 - 26,800	30,000 - 31,100	35,800 - 36,500
Moisture Removal		l/h	2.1	2.5	3.0	5.0	6.0
Room Air Circulation(High)	High	m <sup>3</sup> /h	650	1,170	1,270	1,500	1,650
	Med		550	970	1,070	1,300	1,450
	Low		490	770	880	1,100	1,200
Fan Motor Output		W	14	90			
Fan Type x Q'ty			Turbo x 1				
Dimensions HxWxD		mm	235 x 580 x 580 + 70	296 x 830 x 830			
Net Weight		kg	18	38	40		
Connection Method			Flare				
Connection Pipe Size (Small / Large)			9.53 / 15.88	9.53 / 19.05			
Operation Range	Cooling	mm	18 ~ 30				
	Heating	°C	16 ~ 30				

BIG MULTI-TYPE SYSTEM

		Model No.	Individual Operation		Simultaneous Operation	
			AOY90EPAMA	AOY90TPAMA	AOY90EPA3L	AOY90TPA3L
Power Requirement		V/Hz	380 - 415 / W4 / 50			
Total Capacity	Cooling	kW	—	28.60	25.40	28.60
	Heating		—	10.00	9.40	10.00
Total Input Watts	Cooling	kW	—	10.00	16.20	17.00
	Heating		—	17.00	—	17.00
Total Ampacity		A	—	17.00	63	17.00
Starting Current		A	—	2.7	63	2.7
EER		W/W	—	2.86	—	2.86
Fan Speed	High	r.p.m	730		730	
	Low		360		360	
Air Circulation		High	9,800		9,800	
Fan Type x Q'ty			Propellar x 2		Propellar x 2	
Fan Motor Output		W	150 x 2		150 x 2	
Dimensions HxWxD		Net mm	1,380 x 1,300 x 650		1,380 x 1,300 x 650	
Weights		Net kg(lbs)	243	245	243	245
Noise Level (Sound Pressure)		dB(A)	57		57	
Condition	Indoor Air Temp.	Cooling	27 / 19		27 / 19	
		Heating	20 / (15)		20 / (15)	
	Outdoor Air Temp.	Cooling	35 / 24		35 / 24	
		Heating	7 / 6		7 / 6	
Refrigerant		Type	R407C		R407C	
		Charge	3.1 x 2		6.0	
Pipe		Size	Liquid/Gas 9.53 / 19.05		12.70 / 28.58	
		Max Length	50		50	
		Max Height	50		50	
		Max Chargeless Length	30		30	
Operation (Outdoor)		Cooling	0 ~ 52		0 ~ 52	
		Heating	-10 ~ 21		-10 ~ 21	