Refrigerant
R410A

INDOOR UNIT

1. MULTI TYPE : 2ROOM TYPE

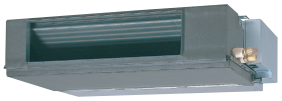
AR＊9LUAB	AB＊14LBAJ
AR＊12LUAD	AB＊18LBAJ
AR＊14LUAD	
AR＊18LUAD	
	AS＊7LMACW
AU＊12LBAB	AS＊9LMACW
AU＊14LBAB	AS＊12LMACW
AU＊18LBAB	AS＊18LBAJ

D2D_MU009E/02
2009.12.17

MULTI TYPE
2ROOM TYPE

1. FEATURE

■MODELS :

INDOOR UNIT		
AU∗12LBAB AU∗14LBAB AU∗18LBAB	**AR∗9LUAB**	**AR∗12LUAD AR∗14LUAD AR∗18LUAD**
Cassette Type (Compact)	Duct Type (Small)	Duct Type
		
AB∗14LBAJ AB∗18LBAJ	**AS∗7LMACW AS∗9LMACW AS∗12LMACW**	**AS∗18LBAJ**
Universal Type	Wall Mounted Type (Compact)	Wall Mounted Type
		
OUTDOOR UNIT		
AO∗18LMAK2 / AO∗24LMAM2		
		

AU∗18L, AR∗18L, AB∗18L, and AS∗18L cannot connect to AO∗18L2

MULTI TYPE
2ROOM TYPE

■INDOOR UNIT CONNECTION PATTERN

MODEL : AO∗18L2

CONNECTION PATTERN	No.1 Indoor unit	No.2 Indoor unit
1	7,000	7,000
2	7,000	9,000
3	7,000	12,000
4	7,000	14,000
5	9,000	9,000
6	9,000	12,000
7	9,000	14,000
8	12,000	12,000

MODEL : AO∗24L2

CONNECTION PATTERN	No.1 Indoor unit	No.2 Indoor unit
1	7,000	7,000
2	7,000	9,000
3	7,000	12,000
4	7,000	14,000
5	7,000	18,000
6	9,000	9,000
7	9,000	12,000
8	9,000	14,000
9	9,000	18,000
10	12,000	12,000
11	12,000	14,000
12	12,000	18,000
13	14,000	14,000

MULTI TYPE
2ROOM TYPE

1-2. FEATURE

1-2-1. INDOOR UNIT

■MODELS : AS∗7L, AS∗9L, AS∗12L, AS∗18L

●Auto restart

**When the air conditioner power was temporarily turned off by a power failure etc.
It restarts automatically after the power recovers.
(Operated by setting before the power failure.)**

●Remote control unit signal code setting

The Remote control unit signal code can be changed by four patterns.

■MODELS : AR∗9L, AR∗12L, AR∗14L, AR∗18L

●Auto restart

**When the air conditioner power was temporarily turned off by a power failure etc.
It restarts automatically after the power recovers.
(Operated by setting before the power failure.)**

●High static pressure function setting

In case of installing in high static, you can maximize(minimize) air flow and noise.

●Fresh air output

You can control sub fan by synchronization with fan operation of indoor unit.

■MODELS : AU∗12L, AU∗14L, AU∗18L

●Auto restart

**When the air conditioner power was temporarily turned off by a power failure etc.
It restarts automatically after the power recovers.
(Operated by setting before the power failure.)**

●Remote control unit signal code setting

The Remote control unit signal code can be changed by four patterns.

■MODELS : AB∗14L, AB∗18L

●Auto restart

**When the air conditioner power was temporarily turned off by a power failure etc.
It restarts automatically after the power recovers.
(Operated by setting before the power failure.)**

●Remote control unit signal code setting

The Remote control unit signal code can be changed by four patterns.

1-2-2. OUTDOOR UNIT

■MODELS : AO∗18L2, AO∗24L2

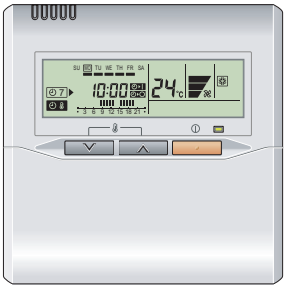
●Current capacity setting

When the current contacted is insufficient, you can change the current capacity.

2. REMOTE CONTROLLER

2-1. WIRED REMOTE CONTROLLER (FOR DUCT TYPE MODEL)

■FEATURES



- ✳ Various timer setup (ON / OFF / WEEKLY) are possible.
- ✳ Equipped with weekly timer as standard function.
  (2 times Start / Stop per day for a week)
- ✳ When setting up a timer, operation mode and a temperature setup can be changed.
- ✳ When a failure occurs,the error code is displayed. (Maximum of 16)
- ✳ Error indication.(A maximum of 16 error histories are memorizable.)
- ✳ Up to 16 indoor units can be simultaneously controlled.
- ✳ Anti freeze and energy saving operation are possible.
- ✳ Easy installation with a slim shape with no bulge in the back.
- ✳ The room temperature can be controlled by being detected the temperature accurately with built-in thermo sensor.

●High performance and compact size

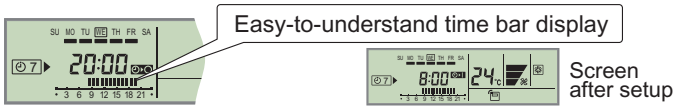
Three functions are combined in

Wired remote controller + Weekly timer + Setback timer

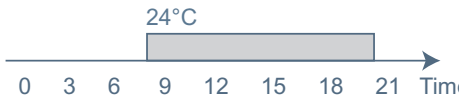
●Built-in timers

Weekly timer

Possible to set ON/OFF time to operate twice each day of the week.

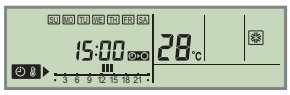


Setup screen example
(Set to Wednesday: 8:00 to 20:00.)

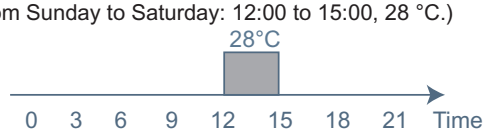


Setback timer

Possible to set temperature for two time spans and for each day of the week.

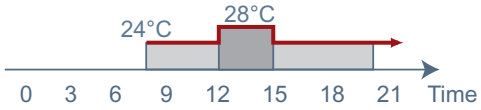


Setup screen example
(Set from Sunday to Saturday: 12:00 to 15:00, 28 °C.)

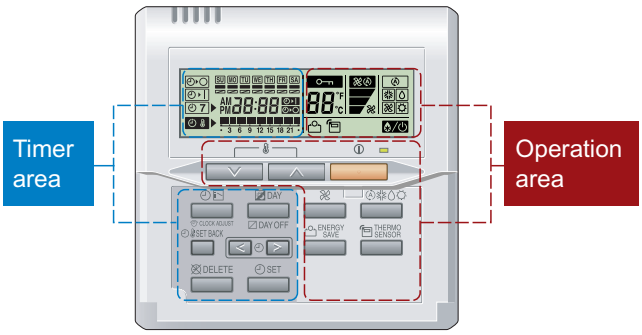


At "Weekly timer" + "Set back timer" setup

24℃ → 28℃ → 24℃



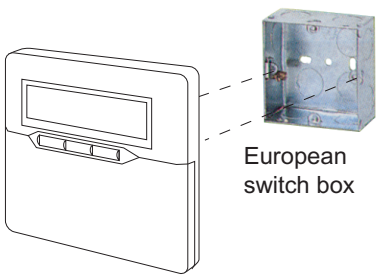
●Easy-to-understand operation



[Variable timer control]
The operation/display sections are zoned according to time and operation, enabling variable programming to match application.

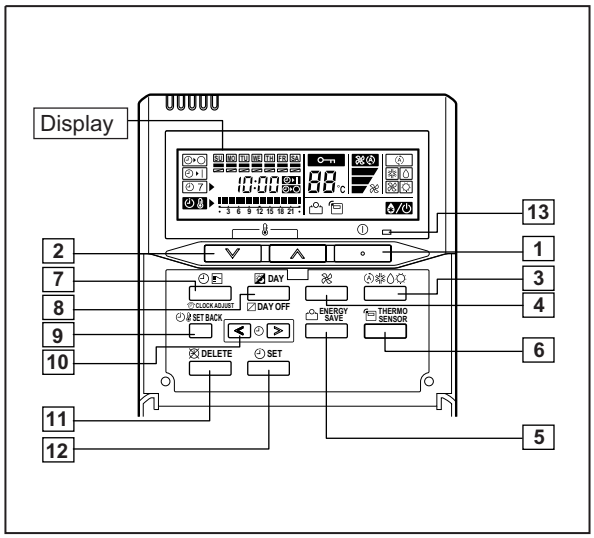
●Simple installation

Components are compatible with standard switch boxes. Flat back construction allows equipment to be installed wherever it is needed.

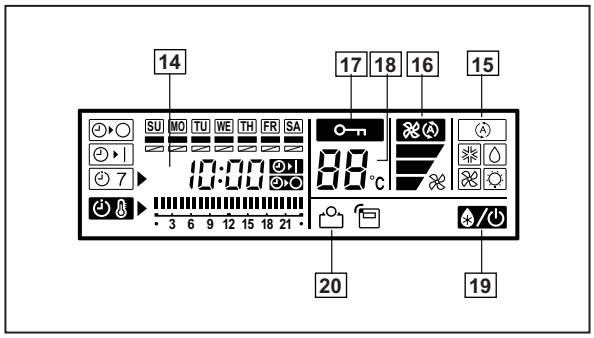


MULTI TYPE
2ROOM TYPE

■FUNCTIONS



Display panel



1 START/STOP button
Pressed to start and stop operation.

2 Set temperature button
Selects the setting temperature.

3 Master control button
Selects the operating mode(AUTO, HEAT, FAN, COOL, DRY).

4 Fan control button
Selects the fan speed (AUTO, LOW, MED, HIGH).

5 Energy save button
Turns the energy efficient mode on and off.

6 Thermo sensor

7 Timer mode (CLOCK ADJUST) button
Selects the timer mode (OFF TIMER, ON TIMER, WEEKLY TIMER)
Set the current time.

8 Day (DAY OFF) button
Temporarily cancels of one day timer.

9 Set back button
Pressed select the set back timer.

10 Set time button
Pressed to set time.

11 Delete button
The schedule of a weekly timer is deleted.

12 Set button
Sets the date, hour, minute and on-off time.

13 Operation lamp
Lights during operation and when the timer is on.

14 Timer and clock display

15 Operation mode display

16 Fan speed display

17 Central control display

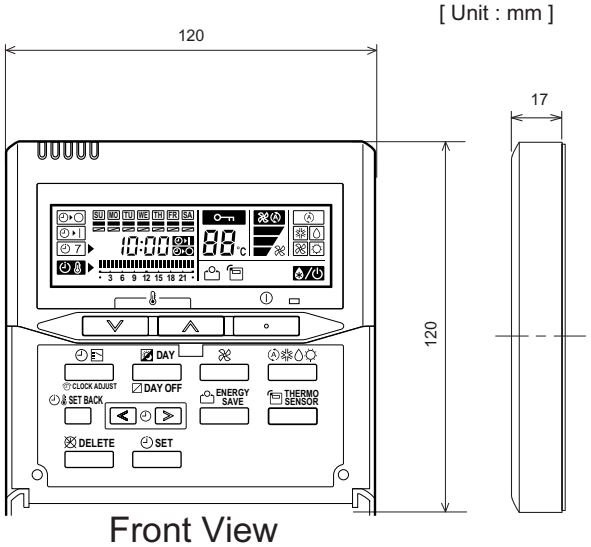
18 Temperature display

19 Stand by display
Indicates during defrosting operation.

20 Energy save display

■DIMENSION

[Unit : mm]



Front View

■SPECIFICATION

SIZE (H x W x D mm)	120 x 120 x 17
WEIGHT (g)	160
CABLE LENGTH (m)	10
POWER (V)	12

MULTI TYPE
2ROOM TYPE

2-2. WIRELESS REMOTE CONTROLLER

2-2-1. CASSETTE, UNIVERSAL AND WALL MOUNTED TYPE MODEL

■FEATURES

✳ Four kinds of timer setup (ON / OFF / PROGRAM / SLEEP) are possible.

✳ Four kinds of timers. Easy operation.

✳ Easy to change transmission code (4 patterns) by button operation.

●Built-in timers

Select from four different timer programs (On/Off/Program/Sleep).

●Program timer

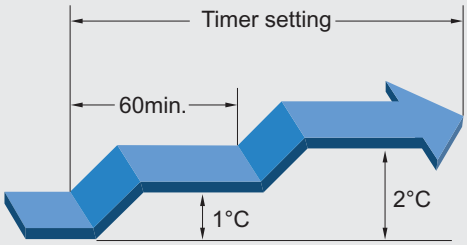
The program timer operates the ON and OFF timer once within a 24 hour period.

●Sleep timer

The sleep timer function automatically corrects the temperature thermostat setting according to the time setting to prevent excessive cooling and heating while sleeping.

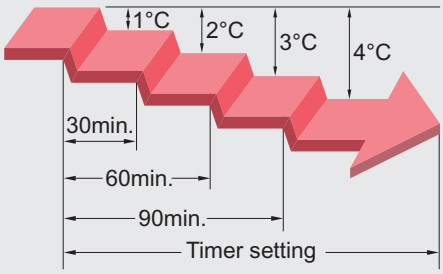
Cooling operation/dry operation

When the sleep timer is set, the set temperature automatically rises 1°C every hour. The set temperature can rise up to a maximum of 2°C.

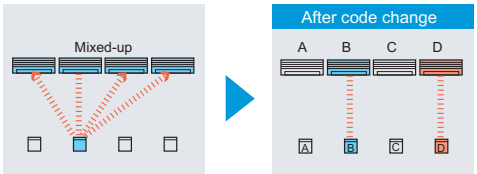


Heating operation

When the sleep timer is set, the set temperature automatically drops 1°C every 30 minutes. The set temperature can drop to a maximum of 4°C.



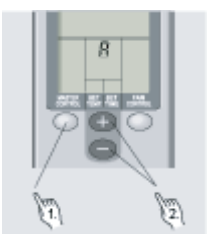
●Easy operation



• Code selector switch eliminates unit being wrongly switched.
(Up to 4 codes can be set.)

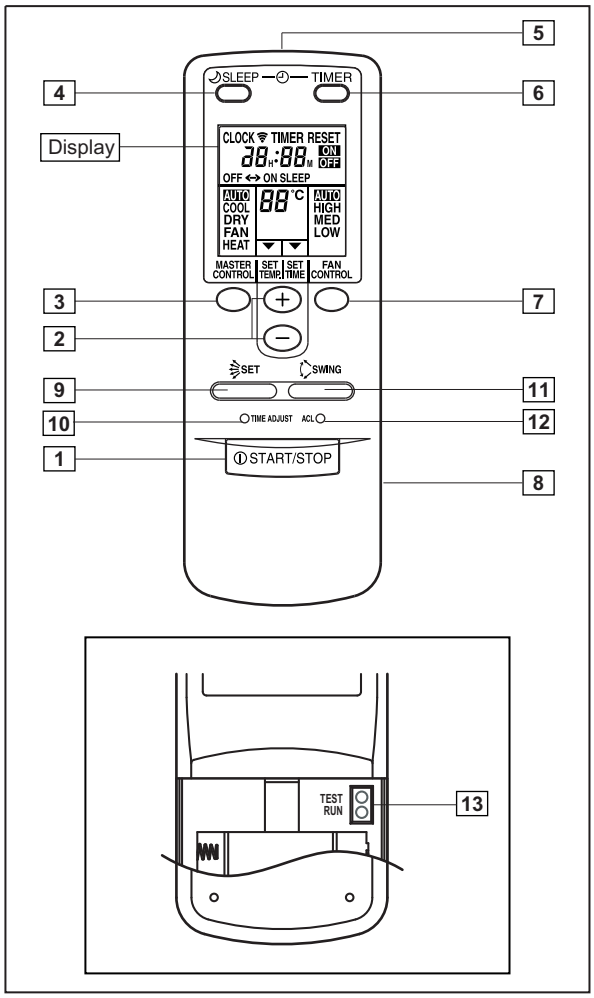
• Wide and precise transmitting range.

1. Press the MASTER CONTROL button for more than 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.



MULTI TYPE
2ROOM TYPE

■FUNCTIONS (For AU∗12L, AU∗14L, AU∗18L)



1 START/STOP button
Pressed to start and stop operation

2 Set temp./Set time/
Set remote controller custom code buttons
Sets the indoor temp./ Sets the current time and on-off time. /Sets R.C. custom code.

3 Master control / Code change buttons
Selects the operating mode (AUTO, HEAT, FAN, COOL, DRY). /Start / end R.C. custom code change. (Max 4 types)

4 Sleep timer button
Pressed to select sleep timer.

5 Signal transmitter

6 Timer button
Pressed to select the timer mode. (OFF TIMER, ON TIMER, PROGRAM TIMER, TIMER RESET)

7 Fan control button
Selects the fan speed (AUTO, LOW, MED, HIGH).

8 Battery compartment lid

9 Air flow direction set button

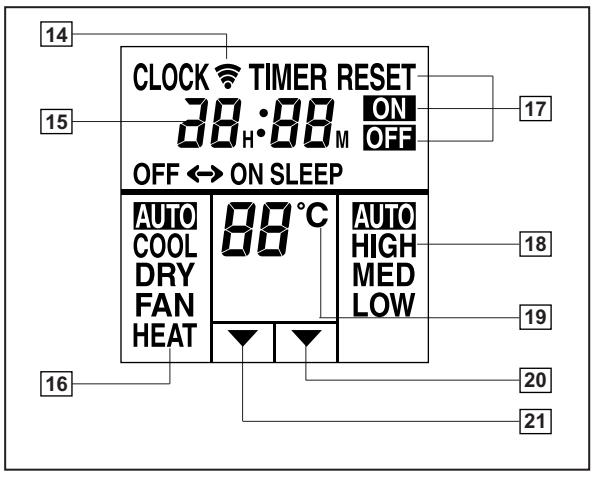
10 Time adjust button
Sets the current time.

11 Air flow direction swing button

12 ACL button
Used when replacing batteries or change the code.

13 Test run button
Used when testing the air conditioner after installation.

Display panel



14 Transmit indicator

15 Clock display

16 Master control display

17 Timer mode display

18 Fan speed display

19 Set temperature display

20 Timer set indicator

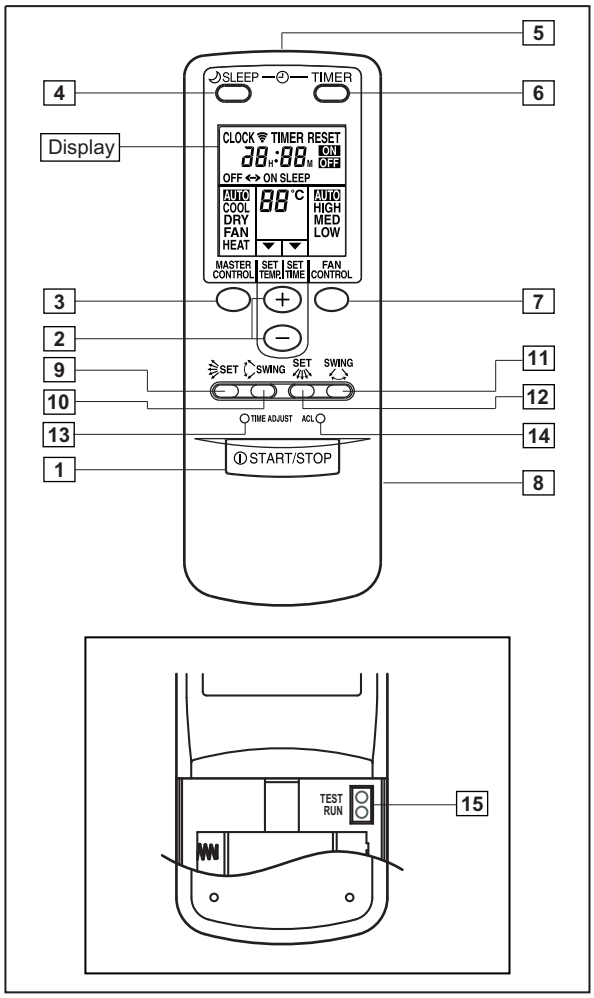
21 Temperature set indicator

■SPECIFICATION

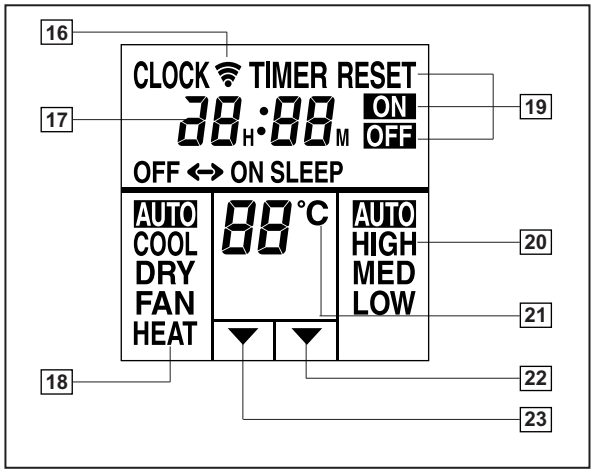
SIZE (H x W x D mm)	158 x 56 x 20
WEIGHT (g)	70
ACCESSORY	Holder

MULTI TYPE
2ROOM TYPE

■FUNCTIONS (For AB∗14L, AB∗18L)



Display panel



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Pressed to start and stop operation

2 Set temp./Set time buttons/Set remote controller custom code buttons
Sets the indoor temp./Sets the current time and on-off time /Set R.C. custom code

3 Master control button/Code change
Selects the operating mode (AUTO, HEAT, FAN, COOL, DRY).
Start/end R.C. custom code change. (Max. 4 types)

4 Sleep timer button
Pressed to select sleep timer.

5 Signal transmitter

6 Timer button
Pressed to select the timer mode. (OFF TIMER, ON TIMER, PROGRAM TIMER, TIMER RESET)

7 Fan control button
Selects the fan speed (AUTO, LOW, MED, HIGH).

8 Battery compartment lid

9 Air flow direction vertical set button

10 Air flow direction vertical swing button

11 Air flow direction horizontal swing button

12 Air flow direction horizontal set button

13 Time adjust button
Sets the current time.

14 ACL button
Used when replacing batteries or change the code.

15 Test run button
Used when testing the air conditioner after installation.

16 Transmit indicator

17 Clock display

18 Master control display

19 Timer mode display

20 Fan speed display

21 Set temperature display

22 Timer set indicator

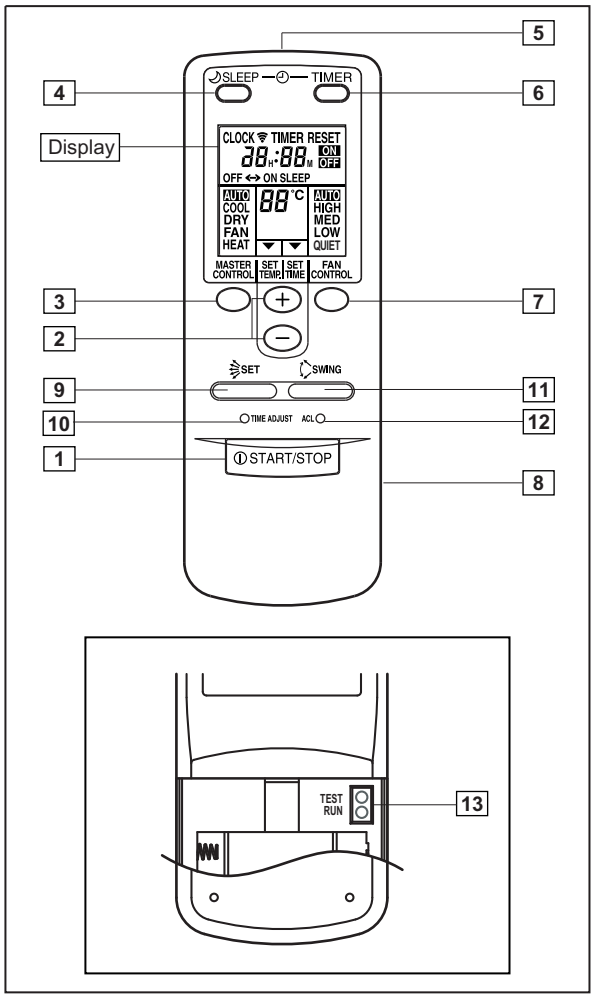
23 Temperature set indicator

■SPECIFICATION

SIZE (H x W x D mm)	158 x 56 x 20
WEIGHT (g)	70
ACCESSORY	Holder

MULTI TYPE
2ROOM TYPE

■FUNCTIONS (For AS∗7L, AS∗9L, AS∗12L)



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8 Battery compartment lid

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11 Air flow direction swing button

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Used when replacing batteries or change the code.

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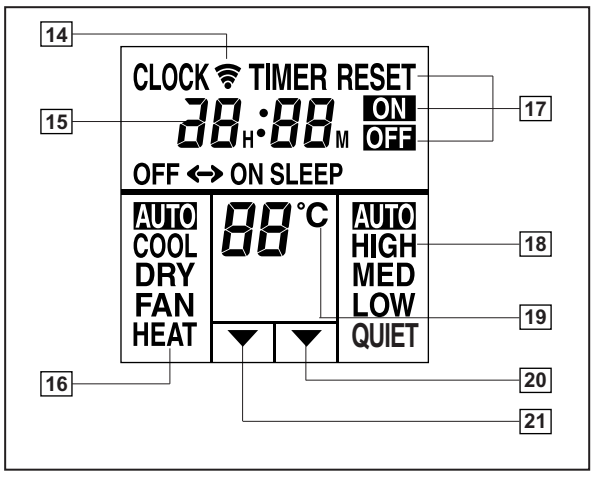
Used when testing the air conditioner after installation.

Display panel



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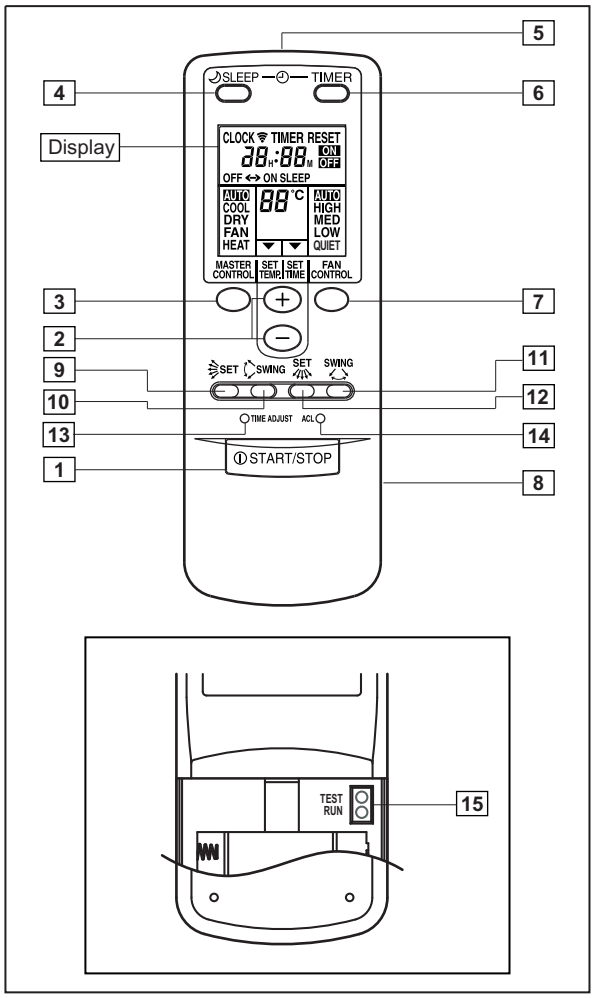
■SPECIFICATION

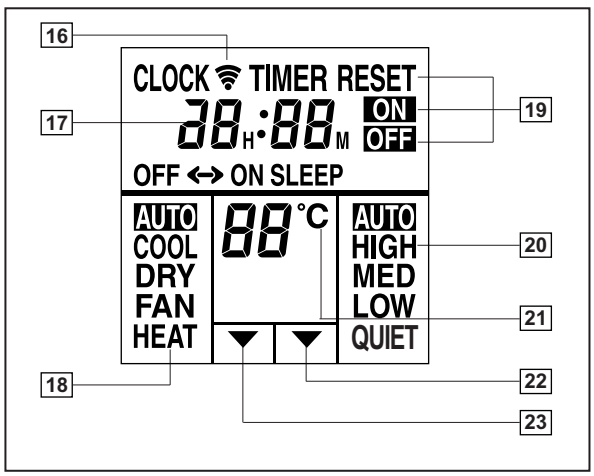
SIZE (H x W x D mm)	158 x 56 x 20
WEIGHT (g)	70
ACCESSORY	Holder

MULTI TYPE
2ROOM TYPE

■FUNCTIONS (For AS∗18L)



Display panel



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Selects the fan speed (AUTO, QUIET, LOW, MED, HIGH).

8 Battery compartment lid

9 Air flow direction vertical set button

10 Air flow direction vertical swing button

11 Air flow direction horizontal swing button

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13 Time adjust button
Sets the current time.

14 ACL button
Used when replacing batteries or change the code.

15 Test run button
Used when testing the air conditioner after installation.

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17 Clock display

18 Master control display

19 Timer mode display

20 Fan speed display

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23 Temperature set indicator

■SPECIFICATION

SIZE (H x W x D mm)	158 x 56 x 20
WEIGHT (g)	70
ACCESSORY	Holder

3. SPECIFICATIONS

3-1. DUCTED MODEL

TYPE				MULTI SATTELITE SYSTEM MODEL						
				INVERTER HEATPUMP						
Model name	INDOOR UNIT			AR＊9LUAB	AR＊12LUAD	AR＊14LUAD	AR＊18LUAD	AR＊9LUAB	AR＊12LUAD	AR＊14LUAD
	OUTDOOR UNIT			AO＊24LMAM2				AO＊18LMAK2		
Power source				230V～ 50Hz						
Available voltage range				198-264V～ 50Hz						
Capacity	Cooling	Rated	kW	2.6	3.5	4.3	5.4	2.6	3.5	4.3
			BTU/h	8900	11900	14700	18400	8900	11900	14700
		Min-Max	kW	1.8 - 2.8	1.8 - 3.9	1.8 - 4.9	2.0 - 6.0	1.8 - 2.8	1.8 - 3.9	1.8 - 4.9
			BTU/h	6100 - 9600	6100 - 13300	6100 - 16700	6800 - 20500	6100 - 9600	6100 - 13300	6100 - 16700
	Heating	Rated	kW	3.1	4.0	4.9	6.0	3.1	4.0	4.9
			BTU/h	10900	13700	16700	20500	10900	13700	16700
		Min-Max	kW	1.8 - 3.8	1.8 - 4.6	1.8 - 6.0	2.0 - 7.5	1.8 - 3.8	1.8 - 4.6	1.8 - 6.0
			BTU/h	6100 - 13000	6100 - 15700	6100 - 20500	6800 - 25600	6100 - 13000	6100 - 15700	6100 - 20500
Moisture removal			l/h (pints/h)	1.0 (2.1)	1.2 (2.5)	1.5 (3.2)	1.7 (3.6)	1.0 (2.1)	1.2 (2.5)	1.5 (3.2)

Model name					AR＊9LUAB	AR＊12LUAD	AR＊14LUAD	AR＊18LUAD
Fan	Airflow rate	Cooling	High	m^3/h	450	600	800	800
			Med		410	500	620	640
			Low		370	430	480	500
		Heating	High		450	580	780	800
			Med		410	500	620	640
			Low		370	430	480	500
	Type × Q'ty				Sirocco × 1	Sirocco × 2		
	Motor output			W	13	42		
Recommended static pressure				Pa	0 to 40			
Sound pressure level	Cooling		High	dB(A)	39	33	40	41
			Med		37	30	35	35
			Low		34	27	30	30
	Heating		High		39	33	40	41
			Med		37	30	35	35
			Low		34	27	30	30
Heat exchanger type	Dimensions (H × W × D)			mm	294 × 410 × 26.6	294 × 700 × 26.6		294 × 700 × 39.9
	Fin pich				1.3			
	Rows x Stages				2 × 14			3 × 14
	Pipe type				Copper			
	Fin type				Aluminium			
Enclosure	Material				Galvanized steel sheet			
	Colour				-			
Dimensions (H × W × D)	Net			mm	217 × 663 × 595	217 × 953 × 595		
	Gross				324 × 785 × 686	324 × 1075 × 686		
Weight	Net			kg(lb.)	18 (40)	25 (55)		
	Gross				22 (48)	29 (64)		
Connection pipe	Size	Liquid		mm	Φ6.35 (Φ 1/ 4 in.)			
		Gas			Φ9.52 (Φ 3/8 in.)		Φ12.70 (Φ 1/2 in.)	
	Method				Flare			
Operation range	Cooling			°C	18 to 32			
				%RH	80 or less			
	Heating			°C	16 to 30			
Remote controller type					Wired			
Drain pipe	Material				ABS			
	Size			mm	Outer diameter: 26.0 / Inner diameter: 21.5			

Note :
Specifications are based on the following conditions.
Cooling : Indoor temperature of 27 °CDB / 19 °CWB.and outdoor temperature of 35 °CDB/24 °CWB.
Heating : Indoor temperature of 20 °CDB / 15 °CWB.and outdoor temperature of 7 °CDB/6 °CWB.
Standard static pressure : 0Pa
Pipe length : 7.5 m, Height difference : 0 m.(Outdoor unit - Indoor unit)

MULTI TYPE
2ROOM TYPE

3-2. CASSETTE MODEL

TYPE				MULTI SATTELITE SYSTEM MODEL				
				INVERTER HEATPUMP				
Model name		INDOOR UNIT		AU＊12LBAB	AU＊14LBAB	AU＊18LBAB	AU＊12LBAB	AU＊14LBAB
		OUTDOOR UNIT		AO＊24LMAM2			AO＊18LMAK2	
Power source				230V～ 50Hz				
Available voltage range				198-264V ～ 50Hz				
Capacity	Cooling	Rated	kW	3.3	4.0	4.5	3.3	4.0
			BTU/h	11300	13700	15400	11300	13700
		Min-Max	kW	1.8 - 3.7	1.8 - 4.5	2.0 - 4.7	1.8 - 3.7	1.8 - 4.5
			BTU/h	6100 - 12600	6100 - 15400	6800 - 16000	6100 - 12600	6100 - 15400
	Heating	Rated	kW	3.7	4.3	5.5	3.7	4.3
			BTU/h	12600	14700	18800	12600	14700
		Min-Max	kW	1.8 - 4.4	1.8 - 5.3	2.0 - 6.0	1.8 - 4.4	1.8 - 5.3
			BTU/h	6100 - 15000	6100 - 18100	6800 - 20500	6100 - 15000	6100 - 18100
Moisture removal			l/h (pints/h)	1.3 (2.7)	1.5 (3.2)	2.0 (4.3)	1.3 (2.7)	1.5 (3.2)

Model name					AU＊12LBAB	AU＊14LBAB	AU＊18LBAB
Fan	Airflow rate	Cooling	High	m^3/h	550	550	620
			Med		500	500	520
			Low		440	440	450
		Heating	High		550	550	620
			Med		500	500	520
			Low		440	440	450
	Type × Q'ty				Turbo × 1		
	Motor output			W	10	10	14
Sound pressure level		Cooling	High	dB(A)	42	42	44
			Med		39	39	41
			Low		36	36	38
		Heating	High		42	42	44
			Med		39	39	41
			Low		36	36	38
Heat exchanger type		Dimensions (H × W × D)		mm	210 × 1000 × 26.6		
		Fin pich			1.4		
		Rows x Stages			2 × 10		
		Pipe type			Copper		
		Fin type			Aluminium		
Enclosure(Panel)		Material			ABS		
		Colour			White(5Y9/0.5NN)		
Dimensions (H × W × D)	Net	Unit		mm	235 × 580 × 580		
		Panel			35 × 650 × 650		
	Gross	Unit			280 × 710 × 750		
		Panel			70 × 720 × 720		
Weight	Net	Unit		kg(lb.)	18 (40)		
		Panel			2.2 (4.9)		
	Gross	Unit			23 (51)		
		Panel			4.3 (9.6)		
Connection pipe	Size	Liquid		mm	Φ6.35 (Φ 1 / 4 in.)		
		Gas			Φ9.52 (Φ 3 / 8 in.)	Φ12.70 (Φ 1 / 2 in.)	
	Method				Flare		
Operation range		Cooling		°C	18 to 32		
				%RH	80 or less		
		Heating		°C	16 to 30		
Remote controller type					Wireless		
Drain pipe	Material				PP		
	Size			mm	Outer diameter: 37.0 / Inner diameter: 32.0		

Note :
Specifications are based on the following conditions.
Cooling : Indoor temperature of 27 °CDB / 19 °CWB.and outdoor temperature of 35 °CDB/24 °CWB.
Heating : Indoor temperature of 20 °CDB / 15 °CWB.and outdoor temperature of 7 °CDB/6 °CWB.
Pipe length : 7.5 m, Height difference : 0 m.(Outdoor unit - Indoor unit)

MULTI TYPE
2ROOM TYPE

3-3. CEILING MODEL

TYPE					MULTI SATTELITE SYSTEM MODEL		
					INVERTER HEATPUMP		
Model name		INDOOR UNIT			AB＊14LBAJ	AB＊18LBAJ	AB＊14LBAJ
		OUTDOOR UNIT			AO＊24LMAM2		AO＊18LMAK2
Power source					230V～ 50Hz		
Available voltage range					198-264V ～ 50Hz		
Capacity	Cooling	Rated		kW	4.2	5.0	4.2
				BTU/h	14300	17100	14300
		Min-Max		kW	1.8 - 4.9	2.0 - 5.7	1.8 - 4.9
				BTU/h	6100 - 16700	6800 - 19500	6100 - 16700
	Heating	Rated		kW	4.8	6.1	4.8
				BTU/h	16400	20800	16400
		Min-Max		kW	1.8 - 6.0	2.0 - 7.4	1.8 - 6.0
				BTU/h	6100 - 20500	6800 - 25300	6100 - 20500
Moisture removal				l/h (pints/h)	1.5 (3.2)	1.7 (3.6)	1.5 (3.2)

Model name					AB＊14LBAJ	AB＊18LBAJ
Fan	Airflow rate	Cooling	High	m^3/h	640	780
			Med		560	650
			Low		480	550
		Heating	High		640	780
			Med		560	650
			Low		480	550
	Type × Q'ty				Sirocco × 2	
	Motor output			W	16	30
Sound pressure level		Cooling	High	dB(A)	37(Floor console) ,36 (Under ceiling)	44(Floor console) , 43(Under ceiling)
			Med		34(Floor console) ,33 (Under ceiling)	41(Floor console) , 40(Under ceiling)
			Low		30(Floor console) , 29(Under ceiling)	36(Floor console) , 35(Under ceiling)
		Heating	High		37(Floor console) , 36(Under ceiling)	44(Floor console) , 43(Under ceiling)
			Med		34(Floor console) , 33(Under ceiling)	41(Floor console) , 40(Under ceiling)
			Low		30(Floor console) , 29(Under ceiling)	36(Floor console) ,35 (Under ceiling)
Heat exchanger type		Dimensions (H × W × D)		mm	294 × 800 × 26.6	294 × 700 × 39.9
		Fin pich			1.2	1.3
		Rows x Stages			2 × 12	3 × 12
		Pipe type			Copper	
		Fin type			Aluminium	
Enclosure		Material			ABS	
		Colour			White(5Y9/0.5NN)	
Dimensions (H × W × D)	Net			mm	199 × 990 × 655	
	Gross				320 × 1150 × 790	
Weight	Net			kg(lb.)	28 (62)	
	Gross				37 (82)	
Connection pipe	Size	Liquid		mm	Φ6.35 (Φ 1/4 in.)	
		Gas			Φ12.70 (Φ1/2 in.)	
	Method				Flare	
Operation range		Cooling		°C	18 to32	
				%RH	80 or less	
		Heating		°C	16 to 30	
Remote controller type					Wireless	
Drain pipe	Material				PVC	
	Size			mm	Outer diameter: 29.0 / Inner diameter: 25.0	

Note :
Specifications are based on the following conditions.
Cooling : Indoor temperature of 27 °CDB / 19 °CWB.and outdoor temperature of 35 °CDB/24 °CWB.
Heating : Indoor temperature of 20 °CDB / 15 °CWB.and outdoor temperature of 7 °CDB/6 °CWB.
Pipe length : 7.5 m, Height difference : 0 m.(Outdoor unit - Indoor unit)

MULTI TYPE
2ROOM TYPE

3-4. WALL MOUNTED MODEL

TYPE				MULTI SATTELITE SYSTEM MODEL						
				INVERTER HEATPUMP						
Model name	INDOOR UNIT			AS＊7LMACW	AS＊9LMACW	AS＊12LMACW	AS＊18LBAJ	AS＊7LMACW	AS＊9LMACW	AS＊12LMACW
	OUTDOOR UNIT			AO＊24LMAM2				AO＊18LMAK2		
Power source				230V～ 50Hz						
Available voltage range				198-264V ～ 50Hz						
Capacity	Cooling	Rated	kW	2.2	2.7	3.5	5.2	2.2	2.7	3.5
			BTU/h	7500	9200	11900	17800	7500	9200	11900
		Min-Max	kW	1.8 - 2.5	1.8 - 3.0	1.8 - 3.7	2.0 - 5.9	1.8 - 2.5	1.8 - 3.0	1.8 - 3.7
			BTU/h	6100 - 8500	6100 - 10200	6100 - 12600	6800 - 20100	6100 - 8500	6100 - 10200	6100 - 12600
	Heating	Rated	kW	2.6	3.2	4.0	6.0	2.6	3.2	4.0
			BTU/h	8900	10900	13700	20500	8900	10900	13700
		Min-Max	kW	1.8 - 3.2	1.8 - 3.9	1.8 - 4.4	2.0 - 7.4	1.8 - 3.2	1.8 - 3.9	1.8 - 4.4
			BTU/h	6100 - 10900	6100 - 13300	6100 - 15000	6800 - 25300	6100 - 10900	6100 - 13300	6100 - 15000
Moisture removal			l/h (pints/h)	0.8 (1.7)	1.0 (2.1)	1.2 (2.5)	1.7 (3.6)	0.8 (1.7)	1.0 (2.1)	1.2 (2.5)

Model name					AS＊7LMACW	AS＊9LMACW	AS＊12LMACW	AS＊18LBAJ
Fan	Airflow rate	Cooling	High	m^3/h	430	470	520	950
			Med		400	430	470	800
			Low		380	380	420	670
			Quiet		350	350	380	570
		Heating	High		430	470	520	950
			Med		400	430	470	800
			Low		380	380	420	670
			Quiet		350	350	380	570
	Type × Q'ty				Cross flow fan × 1			
	Motor output			W	16.5			38
Sound pressure level		Cooling	High	dB(A)	34	36	38	43
			Med		32	34	37	39
			Low		31	31	35	35
			Quiet		29	29	33	32
		Heating	High		34	35	38	43
			Med		32	33	35	39
			Low		30	30	31	35
			Quiet		28	28	29	32
Heat exchanger type		Dimensions (H × W × D)		mm	252 × 632 × 26.6			336 × 855 × 26.6
		Fin pich			1.3			1.2
		Rows x Stages			2 × 12			2 × 16
		Pipe type			Copper			
		Fin type			Aluminium			
Enclosure		Material			HIPS			ABS
		Colour			White(5Y9/0.5NN)			
Dimensions (H×W ×D)	Net			mm	257 × 808 × 187			320 × 1120 × 220
	Gross				270 × 850 × 310			348 × 1240 × 427
Weight	Net			kg(lb.)	8 (18)			16 (35)
	Gross				10 (22)			22 (48)
Connection pipe	Size	Liquid		mm	Φ6.35 (Φ1/4in.)			
		Gas			Φ9.52 (Φ3/8in.)			Φ12.70 (Φ1/2in.)
	Method				Flare			
Operation range		Cooling		°C	18 to 32			
				%RH	80 or less			
		Heating		°C	16 to 30			
Remote controller type					Wireless			
Drain pipe	Material				Soft PVC			PVC
	Size			mm	Outer diameter: 17.0 / Inner diameter: 12.0			

Note :
Specifications are based on the following conditions.
Cooling : Indoor temperature of 27 °CDB / 19 °CWB.and outdoor temperature of 35 °CDB/24 °CWB.
Heating : Indoor temperature of 20 °CDB / 15 °CWB.and outdoor temperature of 7 °CDB/6 °CWB.
Pipe length : 7.5 m, Height difference : 0 m.(Outdoor unit - Indoor unit)

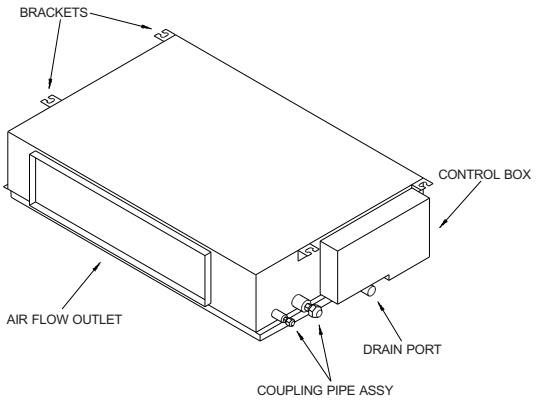
MULTI TYPE
2ROOM TYPE

4. DIMENSIONS

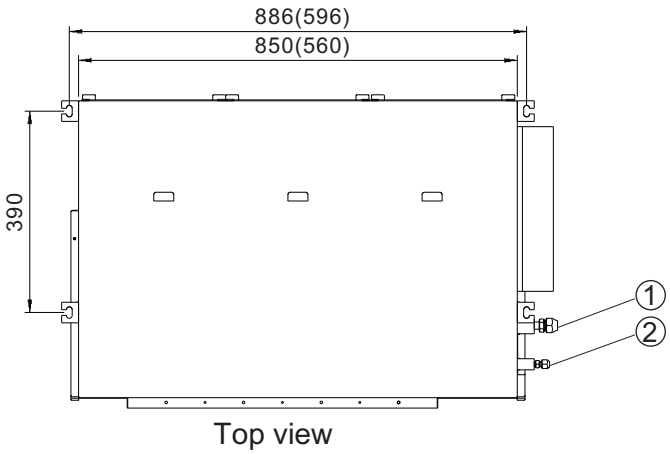
4-1. DUCTED MODEL

■MODELS : AR∗9L, AR∗12L, AR∗14L, AR∗18L

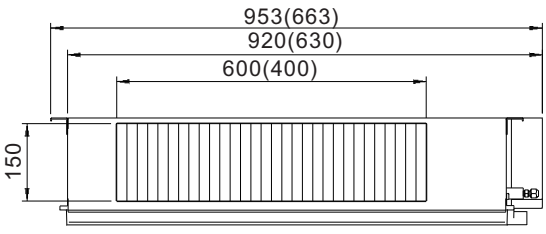
(Unit : mm)



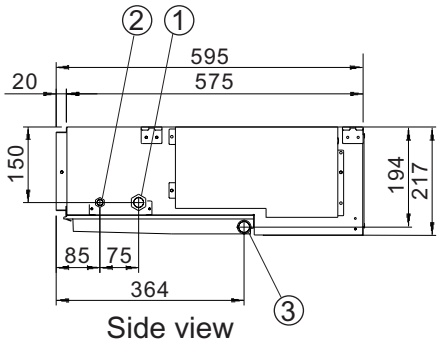
( ) : AR∗9L



Top view



Front view



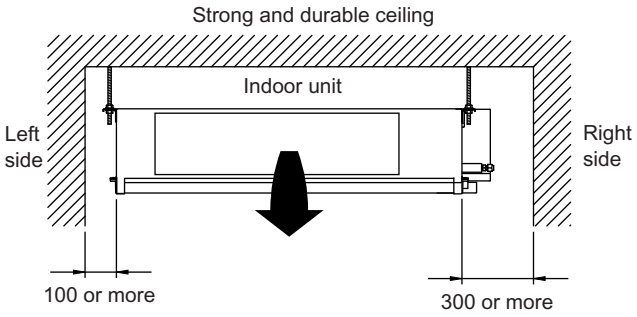
Side view

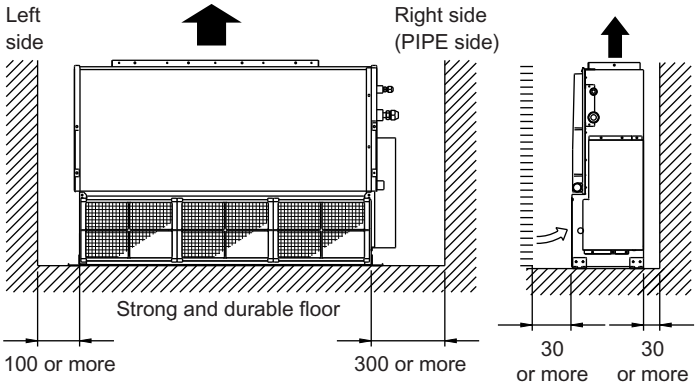
① Refrigerant piping flare connection (Gas)
② Refrigerant piping flare connection (Liquid)
③ Drain piping connection

MULTI TYPE
2ROOM TYPE

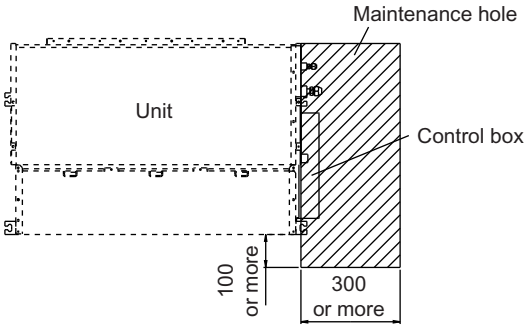
■MOUNTING POSITION

(Unit : mm)





■MAINTENANCE HOLE

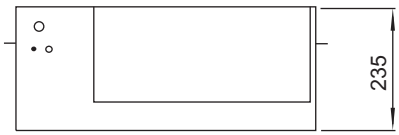


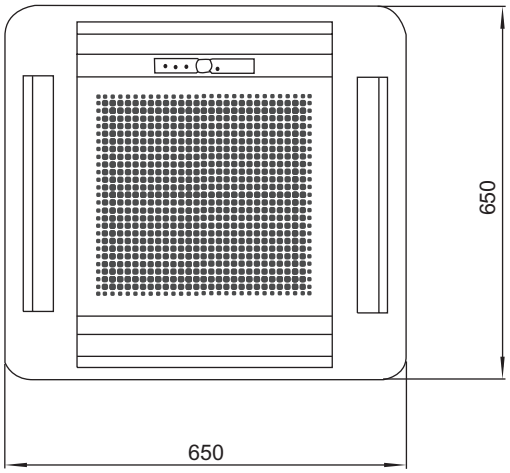
MULTI TYPE
2ROOM TYPE

4-2. CASSETTE MODEL

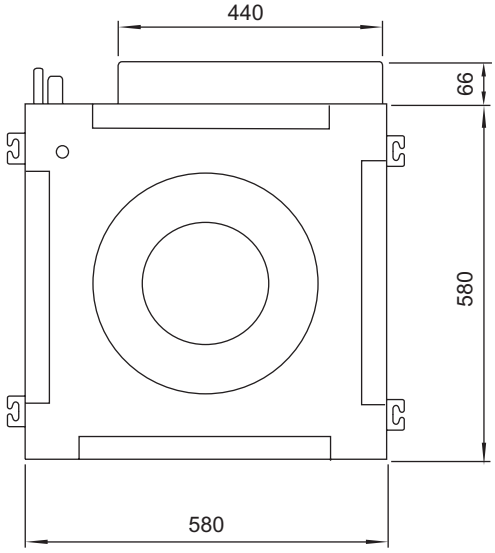
■MODELS : AU∗12L, AU∗14L, AU∗18L

(Unit : mm)



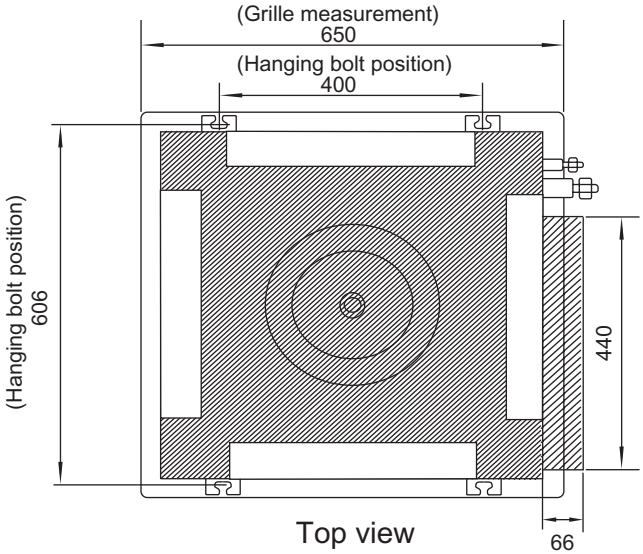


Bottom view (Panel)

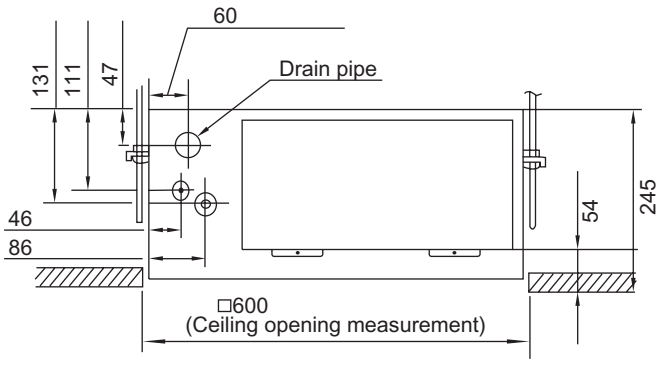


Bottom view

Side view



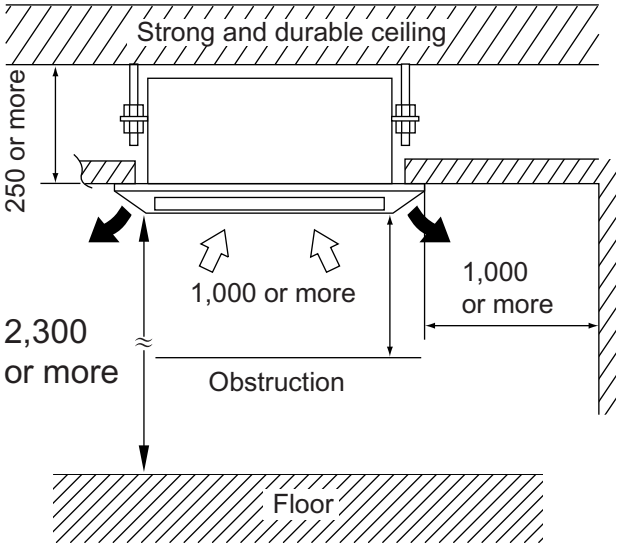
Top view

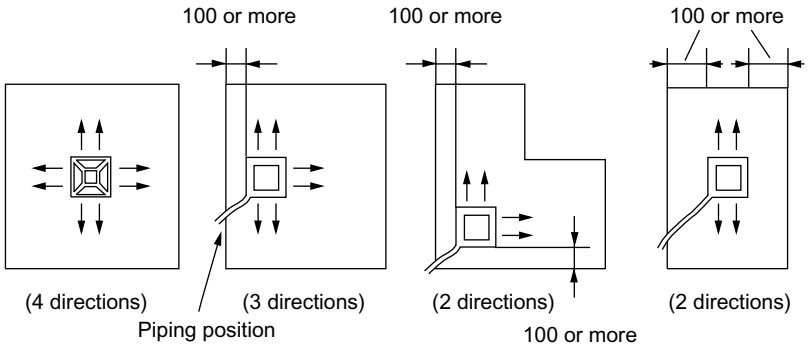


MULTI TYPE
2ROOM TYPE

■MOUNTING POSITION

(Unit : mm)



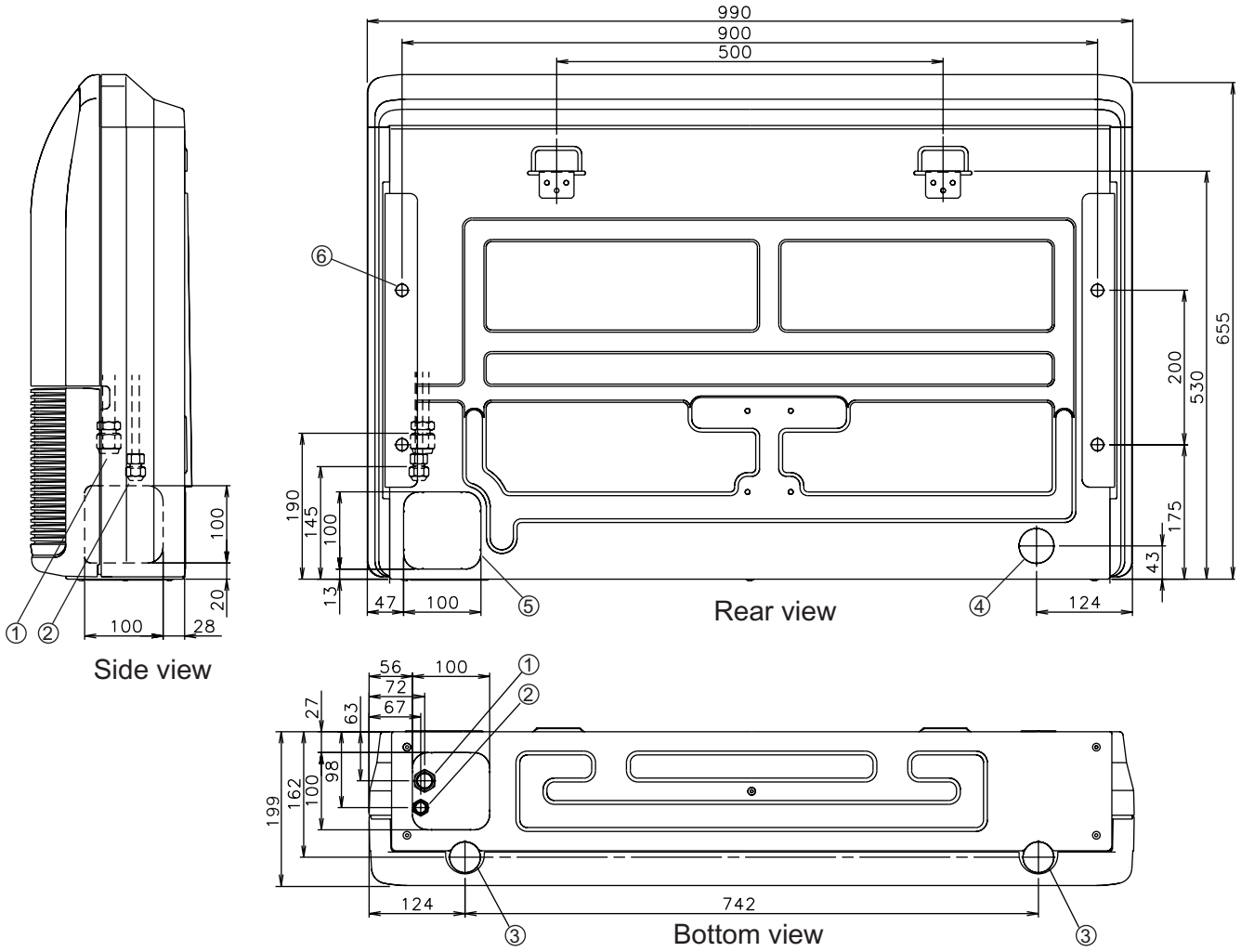


MULTI TYPE
2ROOM TYPE

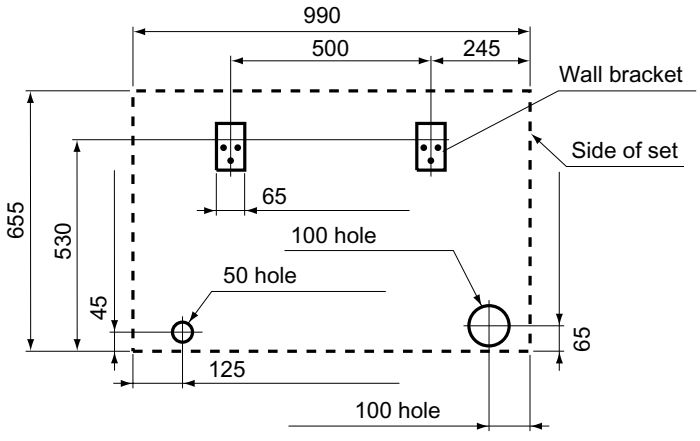
4-3. UNIVERSAL MODEL

■MODELS : AB∗14L, AB∗18L

(Unit : mm)



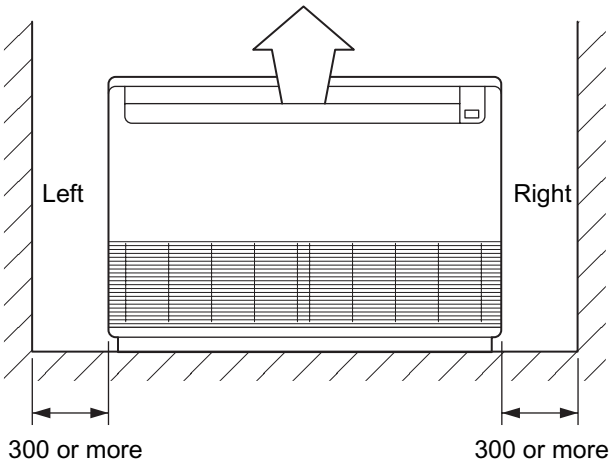
① Refrigerant piping flare connection (Gas)
② Refrigerant piping flare connection (Liquid)
③ Drain piping connection
④ Knock out hole for drain piping
⑤ Knock out hole for refrigerant piping
⑥ Hole for lifting bolt (Use M10 screw bolt)

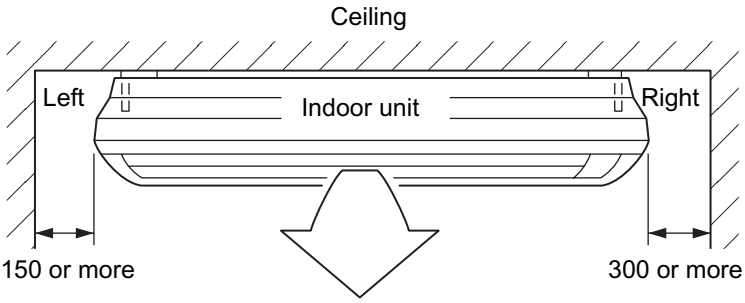


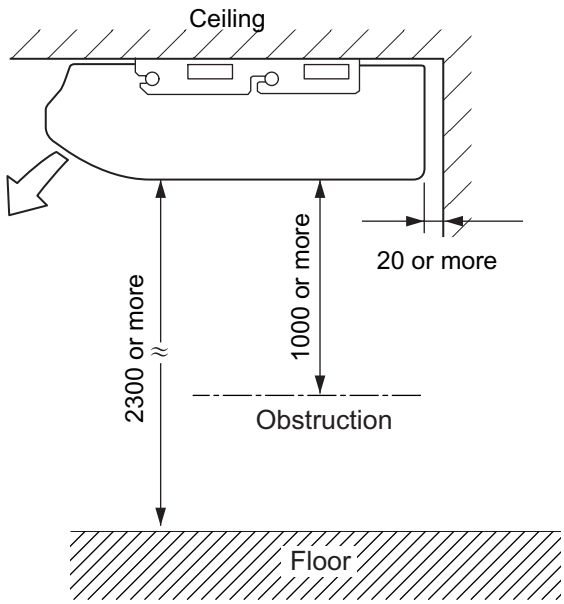
MULTI TYPE
2ROOM TYPE

■MOUNTING POSITION

(Unit : mm)





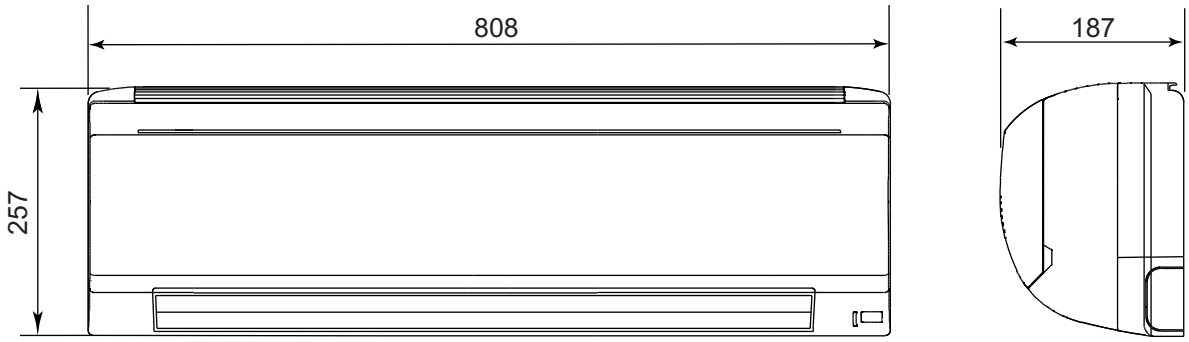


MULTI TYPE
2ROOM TYPE

4-4. WALL MOUNTED MODEL

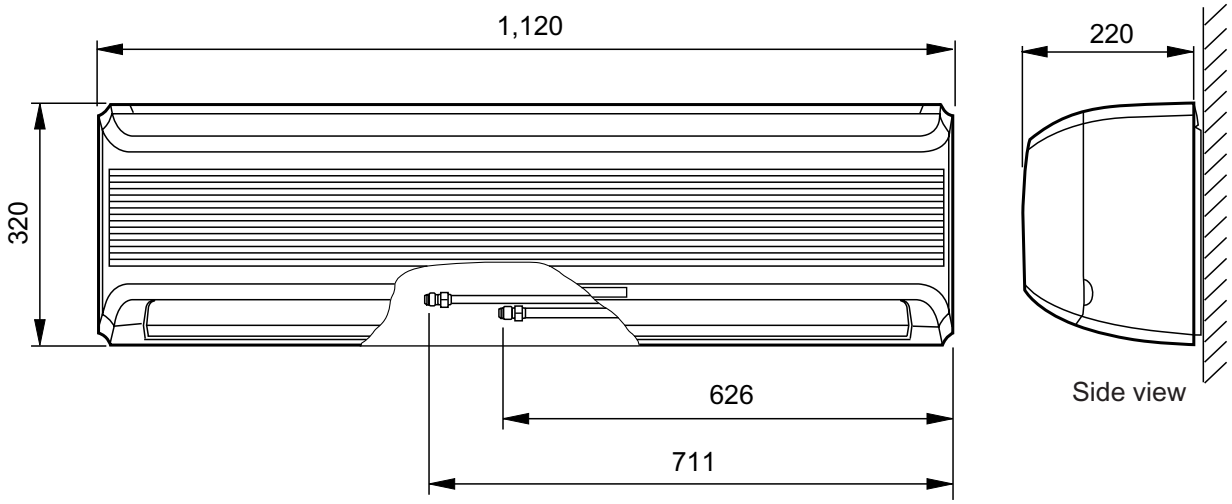
■MODELS : AS∗7L, AS∗9L, AS∗12L

(Unit : mm)



Front view　　Side view

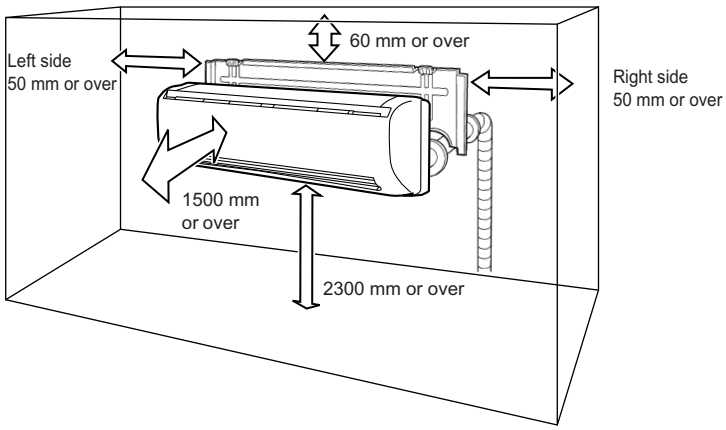
■MODEL : AS∗18L



Side view

Front view

■MOUNTING POSITION

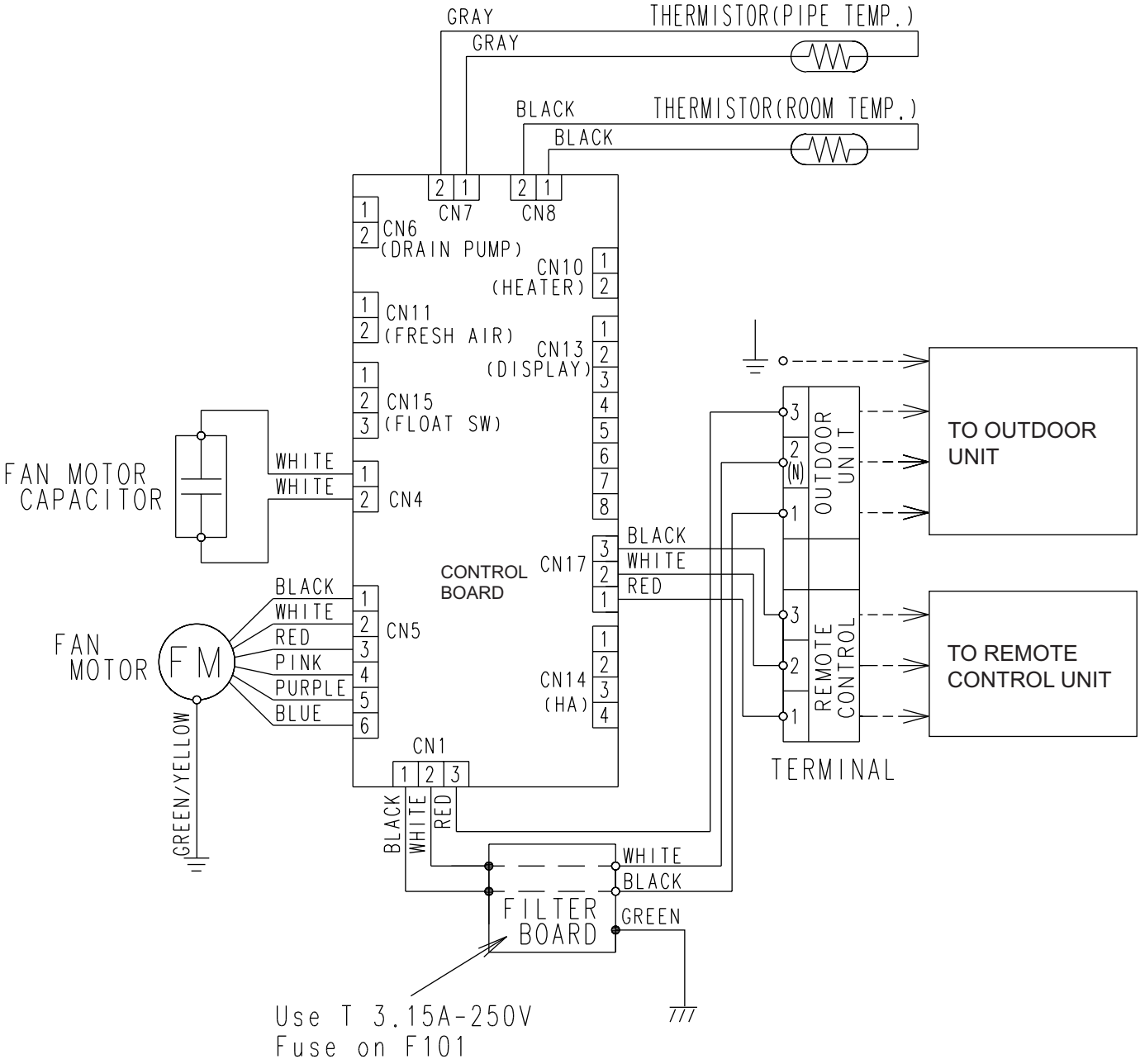


MULTI TYPE
2ROOM TYPE

5. WIRING DIAGRAMS

5-1. DUCTED MODEL

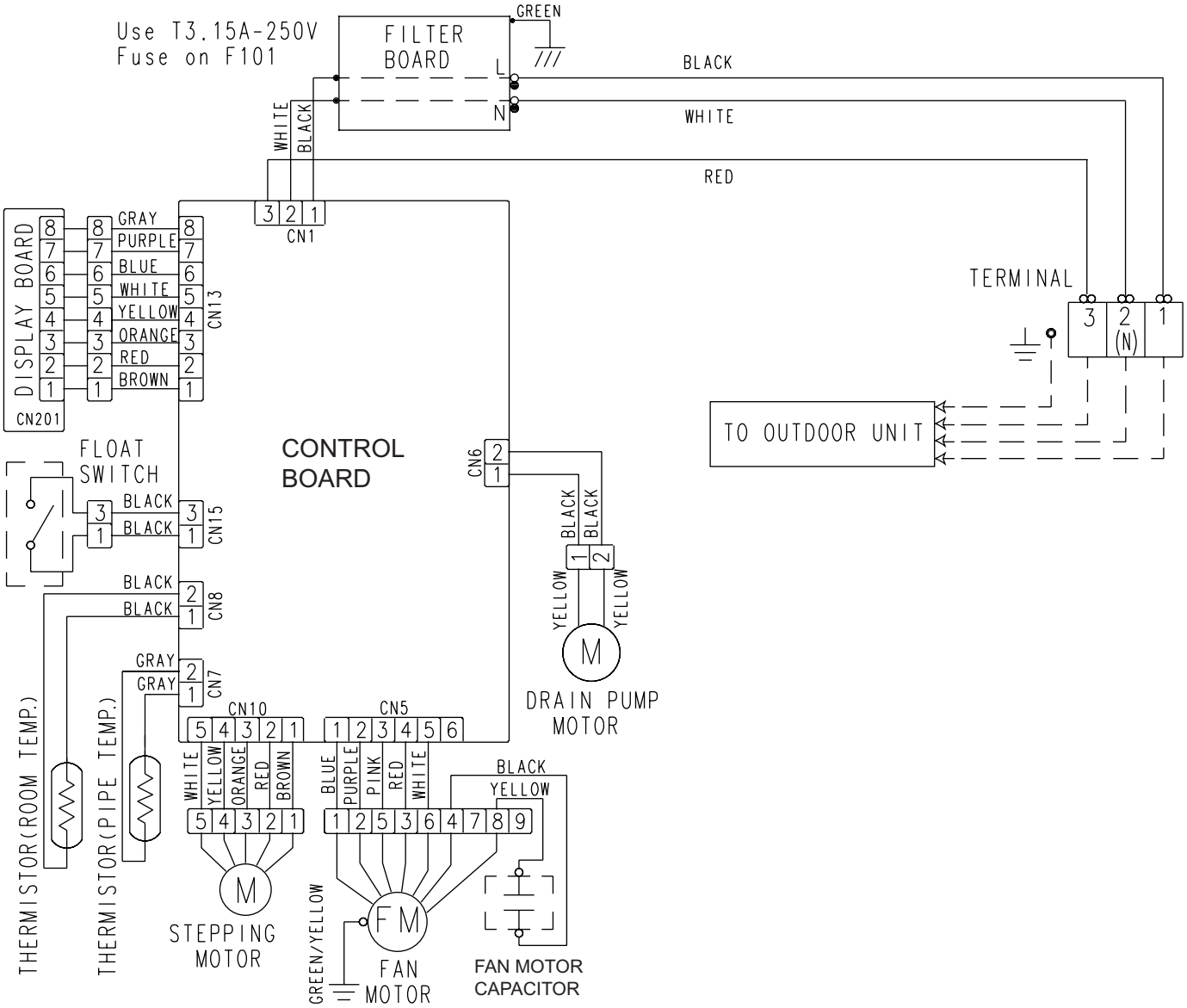
■MODELS : AR∗9L, AR∗12L, AR∗14L, AR∗18L



MULTI TYPE
2ROOM TYPE

5-2. CASSETTE MODEL

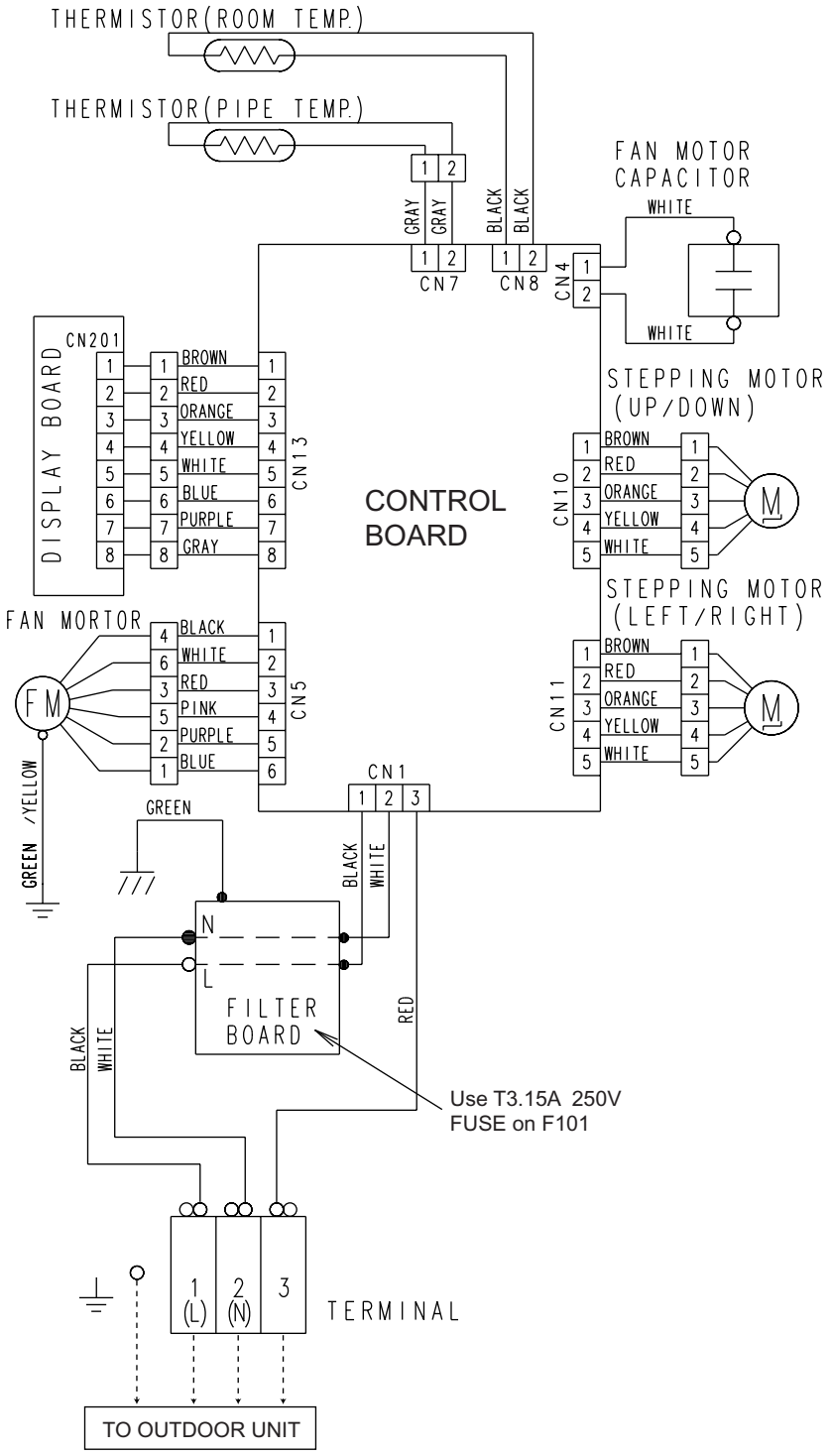
■MODELS : AU∗12L, AU∗14L, AU∗18L



MULTI TYPE
2ROOM TYPE

5-3. UNIVERSAL MODEL

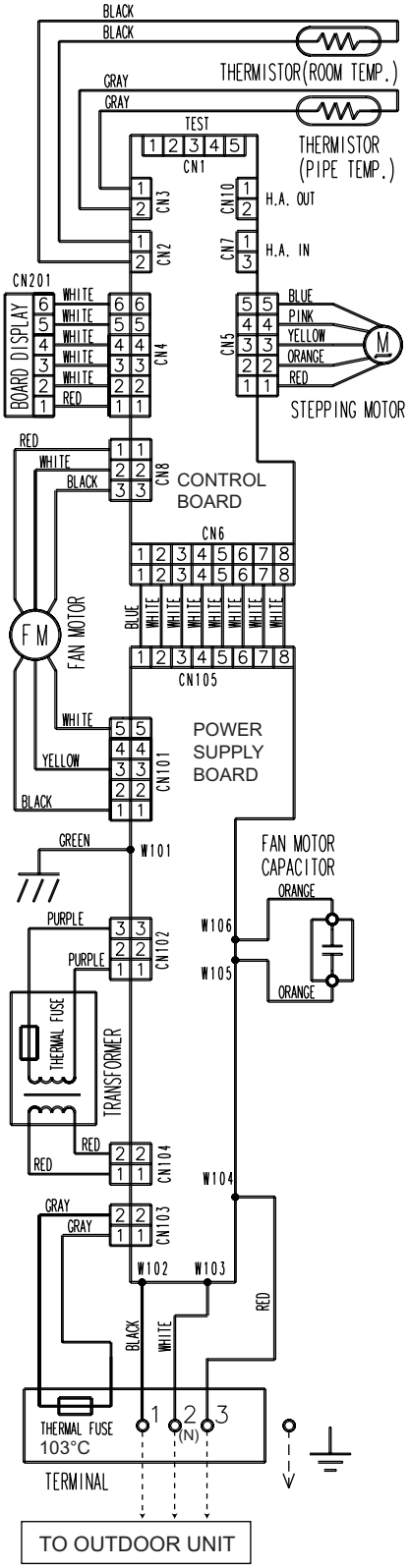
■MODELS : AB∗14L, AB∗18L



MULTI TYPE
2ROOM TYPE

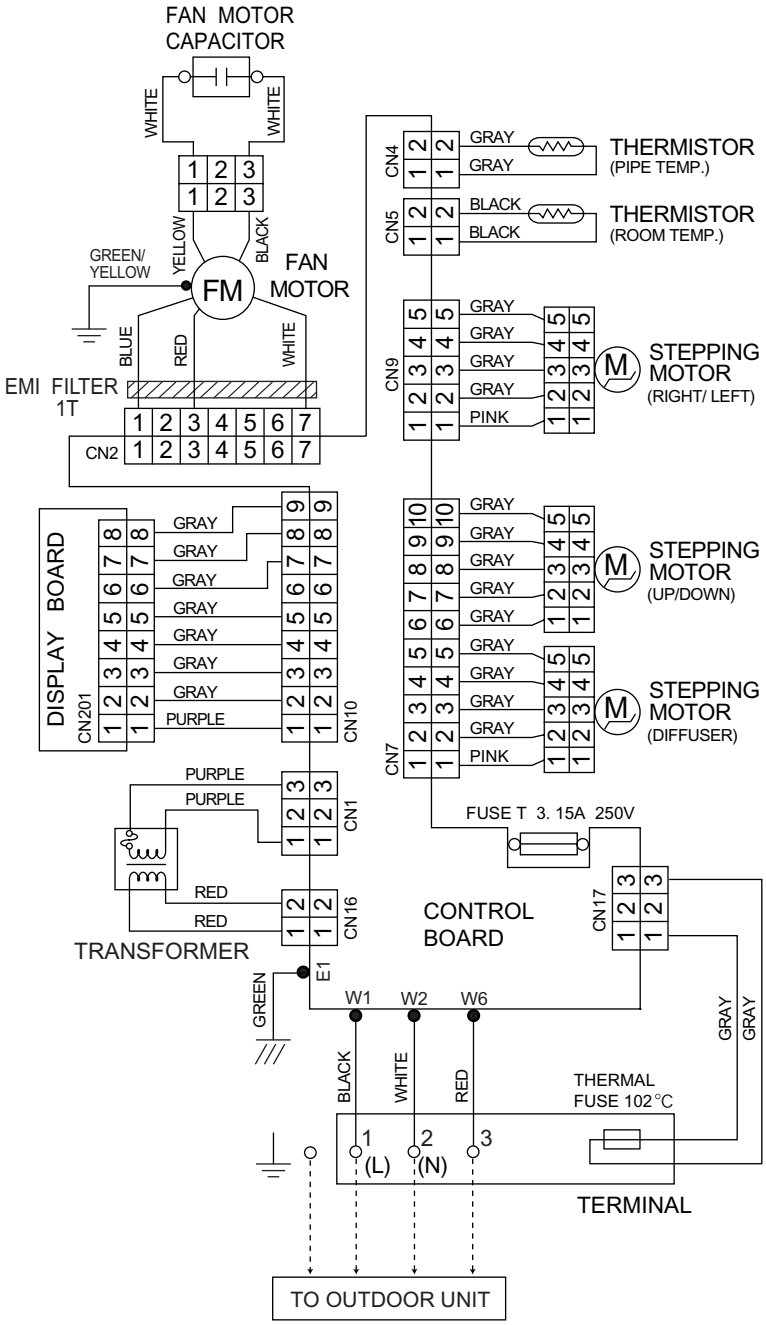
5-4. WALL MOUNTED MODEL

■MODELS : AS∗7L, AS∗9L, AS∗12L



MULTI TYPE
2ROOM TYPE

■MODEL : AS∗18L



MULTI TYPE
2ROOM TYPE

6. CAPACITY TABLE

6-1. COMBINATIONS

■MODEL : AO∗18L2

●COOLING

	Indoor model for each room			Cooling capacity for each indoor unit Rated (kW)		Cooling capacity for each indoor unit Max (kW)		Total cooling capacity (kW)			Total Input (kW)			Annual energy consumption (KW/h)	EER (kW/kW)	Class
	Room 1	Room 2	Total	Room 1	Room 2	Room 1	Room 2	Min.	Rated	Max.	Min.	Rated	Max.			
Min. 14 kBTU	7	7	14	2.20	2.20	2.50	2.50	2.00	4.40	5.00	0.68	1.41	1.71	705	3.12	B
Max. 24 kBTU	7	9	16	2.30	2.80	2.48	3.02	2.00	5.10	5.50	0.68	1.70	1.86	850	3.00	C
	7	12	19	2.05	3.25	2.28	3.62	2.00	5.30	5.90	0.68	1.73	2.07	865	3.06	B
	7	14	21	1.90	3.50	2.25	4.15	2.00	5.40	6.40	0.68	1.73	2.22	865	3.12	B
	9	9	18	2.70	2.70	3.00	3.00	2.00	5.40	6.00	0.68	1.73	2.08	865	3.12	B
	9	12	21	2.40	3.00	2.84	3.56	2.00	5.40	6.40	0.68	1.72	2.22	860	3.14	B
	9	14	23	2.20	3.30	2.60	3.90	2.00	5.50	6.50	0.68	1.73	2.22	865	3.18	B
	12	12	24	2.70	2.70	3.20	3.20	2.00	5.40	6.40	0.68	1.70	2.22	850	3.18	B

●HEATING

	Indoor model for each room			Heating capacity for each indoor unit Rated (kW)		Heating capacity for each indoor unit Max (kW)		Total heating capacity (kW)			Total Input (kW)			Annual energy consumption (KW/h)	COP (kW/kW)	Class
	Room 1	Room 2	Total	Room 1	Room 2	Room 1	Room 2	Min.	Rated	Max.	Min.	Rated	Max.			
Min. 14 kBTU	7	7	14	2.60	2.60	3.20	3.20	2.20	5.20	6.40	0.68	1.57	2.13	785	3.31	C
Max. 24 kBTU	7	9	16	2.80	3.40	3.07	3.73	2.20	6.20	6.80	0.68	2.06	2.22	1030	3.01	D
	7	12	19	2.45	3.75	2.69	4.11	2.20	6.20	6.80	0.68	1.93	2.22	965	3.21	C
	7	14	21	2.30	4.00	2.56	4.44	2.50	6.30	7.00	0.75	1.85	2.22	925	3.41	B
	9	9	18	3.15	3.15	3.50	3.50	2.20	6.30	7.00	0.68	1.95	2.22	975	3.23	C
	9	12	21	2.80	3.50	3.11	3.89	2.20	6.30	7.00	0.75	1.90	2.22	950	3.32	C
	9	14	23	2.60	3.80	2.88	4.22	2.50	6.40	7.10	0.75	1.84	2.22	920	3.48	B
	12	12	24	3.15	3.15	3.50	3.50	2.20	6.30	7.00	0.75	1.88	2.22	940	3.35	C

NOTES

- Cooling capacity is based on 27 °CDB /19 °CWB (indoor temperature),35 °CDB (outdoor temperature).
- Heating capacity is based on 20 °CDB (indoor temperature),7 °CDB/6 °CWB (outdoor temperature)
- The total capacity of connected a indoor unit is up to 24000BTU from 14000BTU.
- It is impossible to connect the indoor unit for one room only.

MULTI TYPE
2ROOM TYPE

■MODEL : AO∗24L2

●COOLING

	Indoor model for each room			Cooling capacity for each indoor unit Rated(kW)		Cooling capacity for each indoor unit Max.(kW)		Total cooling capacity (kW)			Total Input (kW)			Annual energy consumption (KW/h)	EER (kW/kW)	Class
	Room 1	Room 2	Total	Room 1	Room 2	Room 1	Room 2	Min.	Rated	Max.	Min.	Rated	Max.			
Min. 14 kBTU	7	7	14	2.20	2.20	2.50	2.50	2.00	4.40	5.00	0.68	1.41	1.71	705	3.12	B
Max. 30 kBTU	7	9	16	2.30	2.80	2.48	3.02	2.00	5.10	5.50	0.68	1.70	1.86	850	3.00	C
	7	12	19	2.05	3.25	2.28	3.62	2.00	5.30	5.90	0.68	1.73	2.07	865	3.06	B
	7	14	21	1.90	3.50	2.39	4.41	2.00	5.40	6.80	0.68	1.73	2.60	865	3.12	B
	7	18	25	1.70	4.00	2.27	5.33	2.00	5.70	7.60	0.68	1.73	2.77	865	3.29	A
	9	9	18	2.70	2.70	3.00	3.00	2.00	5.40	6.00	0.68	1.73	2.08	865	3.12	B
	9	12	21	2.40	3.00	2.98	3.72	2.00	5.40	6.70	0.68	1.72	2.58	860	3.14	B
	9	14	23	2.20	3.30	2.92	4.38	2.00	5.50	7.30	0.68	1.73	2.77	865	3.18	B
	9	18	27	2.00	3.80	2.66	5.04	2.50	5.80	7.70	0.80	1.73	2.77	865	3.35	A
	12	12	24	2.75	2.75	3.55	3.55	2.00	5.50	7.10	0.68	1.70	2.77	850	3.24	A
	12	14	26	2.60	3.00	3.44	3.96	2.00	5.60	7.40	0.68	1.73	2.77	865	3.24	A
	12	18	30	2.30	3.50	3.09	4.71	2.50	5.80	7.80	0.80	1.73	2.77	865	3.35	A
	14	14	28	2.85	2.85	3.85	3.85	2.50	5.70	7.70	0.80	1.74	2.77	870	3.28	A

●HEATING

	Indoor model for each room			Heating capacity for each indoor unit Rated (kW)		Heating capacity for each indoor unit Max. (kW)		Total heating capacity (kW)			Total Input (kW)			Annual energy consumption (KW/h)	COP (kW/kW)	Class
	Room 1	Room 2	Total	Room 1	Room 2	Room 1	Room 2	Min.	Rated	Max.	Min.	Rated	Max.			
Min. 14 kBTU	7	7	14	2.60	2.60	3.20	3.20	2.20	5.20	6.40	0.68	1.57	2.11	785	3.31	C
Max. 30 kBTU	7	9	16	2.80	3.40	3.25	3.95	2.20	6.20	7.20	0.68	2.05	2.53	1025	3.02	D
	7	12	19	2.45	3.75	3.00	4.60	2.20	6.20	7.60	0.68	1.93	2.77	965	3.21	C
	7	14	21	2.30	4.10	2.88	5.13	2.50	6.40	8.00	0.75	1.85	2.77	925	3.46	B
	7	18	25	1.90	4.50	2.61	6.19	2.50	6.40	8.80	0.75	1.72	2.77	860	3.72	A
	9	9	18	3.20	3.20	3.90	3.90	2.20	6.40	7.80	0.68	1.95	2.77	975	3.28	C
	9	12	21	2.80	3.50	3.56	4.44	2.20	6.30	8.00	0.75	1.90	2.77	950	3.32	C
	9	14	23	2.60	3.80	3.33	4.87	2.50	6.40	8.20	0.75	1.80	2.77	900	3.56	B
	9	18	27	2.20	4.20	3.06	5.84	2.70	6.40	8.90	0.80	1.64	2.77	820	3.90	A
	12	12	24	3.20	3.20	4.00	4.00	2.20	6.40	8.00	0.75	1.88	2.77	940	3.40	C
	12	14	26	3.00	3.40	3.94	4.46	2.50	6.40	8.40	0.80	1.77	2.77	885	3.62	A
	12	18	30	2.40	4.00	3.38	5.63	2.70	6.40	9.00	0.80	1.64	2.77	820	3.90	A
	14	14	28	3.20	3.20	4.40	4.40	2.70	6.40	8.80	0.80	1.75	2.77	875	3.66	A

NOTES

- Cooling capacity is based on 27 °CDB /19 °CWB (indoor temperature),35 °CDB (outdoor temperature).
- Heating capacity is based on 20 °CDB (indoor temperature),7 °CDB/6 °CWB (outdoor temperature)
- The total capacity of connected a indoor unit is up to 30000BTU from 14000BTU.
- It is impossible to connect the indoor unit for one room only.

MULTI TYPE
2ROOM TYPE

6-2. COOLING CAPACITY

■MODEL : AO∗18L2

●INDOOR UNIT : 7000BTU + 7000BTU

		Indoor temperature																							
	°CDB	18°CDB			21°CDB			23°CDB			25°CDB			27°CDB			29°CDB			30°CDB			32°CDB		
	°CWB	12°CWB			15°CWB			16°CWB			18°CWB			19°CWB			21°CWB			22°CWB			23°CWB		
Outdoor temperature	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
7+7	0	3.17	2.92	0.37	3.53	2.94	0.37	3.66	3.19	0.37	3.90	3.20	0.38	4.02	3.46	0.38	4.26	3.45	0.38	4.38	3.44	0.38	4.50	3.67	0.39
	5	3.44	2.98	0.41	3.83	3.00	0.42	3.96	3.25	0.42	4.22	3.27	0.43	4.35	3.53	0.43	4.62	3.51	0.43	4.75	3.51	0.43	4.88	3.74	0.44
	10	3.35	2.86	0.51	3.73	2.87	0.51	3.86	3.12	0.52	4.11	3.14	0.52	4.24	3.38	0.52	4.49	3.37	0.53	4.62	3.37	0.53	4.75	3.59	0.53
	15	3.48	2.88	0.69	3.87	2.90	0.70	4.00	3.15	0.71	4.27	3.16	0.72	4.40	3.41	0.72	4.66	3.40	0.73	4.80	3.39	0.73	4.93	3.62	0.73
	20	3.76	2.90	1.03	4.18	2.92	1.04	4.33	3.17	1.05	4.61	3.18	1.06	4.75	3.43	1.07	5.04	3.42	1.08	5.18	3.42	1.08	5.32	3.64	1.09
	25	3.79	2.91	1.08	4.22	2.93	1.10	4.36	3.18	1.10	4.65	3.20	1.12	4.79	3.45	1.12	5.08	3.44	1.13	5.22	3.43	1.14	5.37	3.66	1.14
	30	3.58	2.82	1.21	3.99	2.84	1.22	4.12	3.08	1.23	4.40	3.09	1.24	4.53	3.34	1.25	4.80	3.33	1.26	4.94	3.32	1.27	5.08	3.54	1.27
	35	3.95	2.99	1.65	4.40	3.01	1.68	4.55	3.27	1.68	4.85	3.28	1.70	5.00	3.54	1.71	5.30	3.53	1.73	5.45	3.52	1.74	5.60	3.76	1.74
	40	3.72	2.90	1.83	4.15	2.92	1.86	4.29	3.17	1.87	4.57	3.18	1.89	4.71	3.43	1.90	4.99	3.42	1.92	5.14	3.41	1.93	5.28	3.64	1.94
	43	3.56	2.81	1.89	3.97	2.83	1.92	4.10	3.07	1.93	4.37	3.09	1.95	4.51	3.33	1.96	4.78	3.32	1.97	4.92	3.31	1.98	5.05	3.53	1.99

●INDOOR UNIT : 7000BTU + 9000BTU

		Indoor temperature																							
	°CDB	18°CDB			21°CDB			23°CDB			25°CDB			27°CDB			29°CDB			30°CDB			32°CDB		
	°CWB	12°CWB			15°CWB			16°CWB			18°CWB			19°CWB			21°CWB			22°CWB			23°CWB		
Outdoor temperature	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
7+9	0	3.26	3.11	0.37	3.63	3.13	0.37	3.76	3.40	0.38	4.01	3.41	0.38	4.13	3.68	0.38	4.38	3.67	0.39	4.50	3.66	0.39	4.63	3.90	0.39
	5	3.55	3.17	0.41	3.96	3.19	0.42	4.09	3.47	0.42	4.36	3.48	0.43	4.50	3.76	0.43	4.77	3.75	0.43	4.90	3.74	0.43	5.04	3.99	0.44
	10	3.46	3.04	0.51	3.85	3.06	0.51	3.99	3.33	0.52	4.25	3.34	0.52	4.38	3.61	0.52	4.64	3.60	0.53	4.77	3.59	0.53	4.90	3.83	0.53
	15	3.61	3.03	0.69	4.02	3.04	0.70	4.15	3.31	0.70	4.43	3.32	0.71	4.57	3.59	0.71	4.84	3.57	0.72	4.98	3.57	0.72	5.11	3.80	0.73
	20	4.42	3.32	1.31	4.92	3.34	1.33	5.09	3.63	1.33	5.42	3.65	1.35	5.59	3.94	1.35	5.92	3.92	1.37	6.09	3.92	1.37	6.26	4.18	1.38
	25	4.49	3.36	1.32	5.00	3.38	1.34	5.17	3.67	1.35	5.51	3.69	1.36	5.68	3.98	1.37	6.03	3.96	1.38	6.20	3.96	1.39	6.37	4.22	1.40
	30	4.32	3.28	1.48	4.81	3.30	1.50	4.97	3.58	1.51	5.30	3.60	1.52	5.46	3.88	1.53	5.79	3.87	1.55	5.96	3.86	1.55	6.12	4.12	1.56
	35	4.35	3.29	1.79	4.84	3.31	1.82	5.01	3.60	1.83	5.34	3.61	1.85	5.50	3.90	1.86	5.83	3.89	1.88	6.00	3.88	1.89	6.16	4.14	1.90
	40	4.09	3.18	1.99	4.56	3.20	2.02	4.72	3.47	2.03	5.03	3.49	2.05	5.18	3.76	2.06	5.49	3.75	2.08	5.65	3.74	2.09	5.80	3.99	2.10
	43	3.91	3.09	2.04	4.36	3.11	2.08	4.51	3.38	2.09	4.80	3.40	2.11	4.95	3.67	2.12	5.25	3.65	2.14	5.40	3.65	2.15	5.55	3.89	2.22

●INDOOR UNIT : 7000BTU + 12000BTU

		Indoor temperature																							
	°CDB	18°CDB			21°CDB			23°CDB			25°CDB			27°CDB			29°CDB			30°CDB			32°CDB		
	°CWB	12°CWB			15°CWB			16°CWB			18°CWB			19°CWB			21°CWB			22°CWB			23°CWB		
Outdoor temperature	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
7+12	0	3.82	3.45	0.41	4.25	3.47	0.42	4.40	3.77	0.42	4.69	3.79	0.42	4.83	4.09	0.43	5.12	4.08	0.43	5.27	4.07	0.43	5.41	4.34	0.43
	5	3.98	3.40	0.48	4.43	3.42	0.48	4.58	3.72	0.49	4.88	3.73	0.49	5.03	4.03	0.49	5.33	4.01	0.50	5.49	4.01	0.50	5.64	4.27	0.50
	10	3.87	3.29	0.59	4.31	3.31	0.59	4.46	3.60	0.60	4.75	3.61	0.60	4.90	3.90	0.61	5.19	3.88	0.61	5.34	3.88	0.62	5.49	4.14	0.62
	15	4.40	3.47	0.93	4.91	3.49	0.94	5.07	3.79	0.95	5.41	3.81	0.96	5.57	4.11	0.96	5.91	4.10	0.97	6.08	4.09	0.98	6.24	4.36	0.98
	20	4.47	3.43	1.32	4.98	3.45	1.34	5.15	3.75	1.35	5.49	3.77	1.36	5.66	4.07	1.37	6.00	4.05	1.38	6.17	4.04	1.39	6.34	4.31	1.40
	25	4.56	3.47	1.34	5.08	3.49	1.36	5.25	3.79	1.37	5.60	3.81	1.38	5.77	4.11	1.39	6.12	4.10	1.40	6.29	4.09	1.41	6.46	4.36	1.42
	30	4.36	3.38	1.49	4.86	3.40	1.52	5.02	3.69	1.52	5.35	3.71	1.54	5.52	4.00	1.55	5.85	3.99	1.56	6.01	3.98	1.57	6.18	4.25	1.58
	35	4.66	3.52	2.00	5.19	3.54	2.03	5.37	3.85	2.04	5.72	3.86	2.06	5.90	4.17	2.07	6.25	4.15	2.09	6.43	4.15	2.10	6.61	4.42	2.11
	40	4.39	3.39	2.14	4.89	3.42	2.22	5.06	3.71	2.22	5.39	3.73	2.22	5.56	4.02	2.22	5.89	4.01	2.22	6.06	4.00	2.22	6.23	4.27	2.22
	43	4.19	3.30	2.14	4.66	3.32	2.22	4.82	3.61	2.22	5.14	3.62	2.22	5.30	3.91	2.22	5.62	3.90	2.22	5.78	3.89	2.22	5.94	4.15	2.22

●INDOOR UNIT : 7000BTU + 14000BTU

		Indoor temperature																							
	°CDB	18°CDB			21°CDB			23°CDB			25°CDB			27°CDB			29°CDB			30°CDB			32°CDB		
	°CWB	12°CWB			15°CWB			16°CWB			18°CWB			19°CWB			21°CWB			22°CWB			23°CWB		
Outdoor temperature	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
7+14	0	4.02	3.94	0.44	4.48	3.96	0.45	4.64	4.31	0.45	4.94	4.32	0.45	5.09	4.67	0.46	5.40	4.65	0.46	5.55	4.64	0.46	5.71	4.95	0.46
	5	4.11	3.83	0.51	4.58	3.86	0.52	4.74	4.19	0.52	5.05	4.21	0.53	5.21	4.54	0.53	5.52	4.52	0.54	5.68	4.52	0.54	5.83	4.82	0.54
	10	4.00	3.73	0.62	4.46	3.76	0.63	4.61	4.08	0.64	4.92	4.10	0.64	5.07	4.42	0.65	5.37	4.41	0.65	5.52	4.40	0.65	5.68	4.69	0.66
	15	4.39	3.84	0.91	4.89	3.86	0.92	5.05	4.20	0.93	5.39	4.21	0.94	5.55	4.55	0.94	5.89	4.53	0.95	6.05	4.52	0.95	6.22	4.83	0.96
	20	4.81	3.98	1.43	5.36	4.01	1.45	5.54	4.36	1.46	5.90	4.37	1.47	6.09	4.72	1.48	6.45	4.70	1.49	6.64	4.70	1.50	6.82	5.01	1.51
	25	5.01	4.07	1.42	5.59	4.10	1.44	5.78	4.46	1.45	6.16	4.47	1.46	6.35	4.83	1.47	6.73	4.81	1.49	6.92	4.80	1.49	7.11	5.12	1.50
	30	4.79	3.98	1.58	5.34	4.00	1.60	5.52	4.35	1.61	5.88	4.37	1.63	6.07	4.71	1.64	6.43	4.70	1.65	6.61	4.69	1.66	6.79	5.00	1.67
	35	5.06	4.04	2.14	5.63	4.07	2.22	5.82	4.42	2.22	6.21	4.43	2.22	6.40	4.79	2.22	6.78	4.77	2.22	6.98	4.76	2.22	7.17	5.08	2.22
	40	4.61	3.91	2.14	5.13	3.93	2.22	5.31	4.27	2.22	5.66	4.29	2.22	5.83	4.63	2.22	6.18	4.61	2.22	6.36	4.61	2.22	6.53	4.91	2.22
	43	4.31	3.77	2.14	4.80	3.79	2.22	4.96	4.12	2.22	5.29	4.13	2.22	5.45	4.46	2.22	5.78	4.45	2.22	5.94	4.44	2.22	6.11	4.74	2.22

●INDOOR UNIT : 9000BTU + 9000BTU

		Indoor temperature																							
	°CDB	18°CDB			21°CDB			23°CDB			25°CDB			27°CDB			29°CDB			30°CDB			32°CDB		
	°CWB	12°CWB			15°CWB			16°CWB			18°CWB			19°CWB			21°CWB			22°CWB			23°CWB		
Outdoor temperature	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
9+9	0	3.86	3.52	0.41	4.29	3.54	0.41	4.44	3.85	0.42	4.73	3.87	0.42	4.88	4.17	0.42	5.17	4.16	0.43	5.32	4.15	0.43	5.47	4.43	0.43
	5	4.02	3.47	0.47	4.48	3.49	0.48	4.63	3.80	0.48	4.94	3.81	0.49	5.09	4.11	0.49	5.40	4.10	0.49	5.55	4.09	0.50	5.70	4.37	0.50
	10	3.91	3.36	0.58	4.36	3.38	0.59	4.51	3.67	0.59	4.80	3.69	0.60	4.95	3.98	0.60	5.25	3.97	0.61	5.40	3.96	0.61	5.55	4.22	0.61
	15	3.92	3.32	0.75	4.36	3.35	0.76	4.51	3.64	0.77	4.81	3.65	0.77	4.96	3.94	0.78	5.26	3.93	0.79	5.40	3.92	0.79	5.55	4.18	0.79
	20	4.56	3.51	1.31	5.08	3.54	1.33	5.25	3.84	1.34	5.60	3.86	1.36	5.77	4.16	1.36	6.12	4.15	1.38	6.29	4.14	1.38	6.46	4.42	1.39
	25	4.65	3.55	1.33	5.18	3.58	1.35	5.35	3.89	1.36	5.71	3.90	1.37	5.88	4.21	1.38	6.24	4.20	1.39	6.41	4.19	1.40	6.59	4.47	1.40
	30	4.47	3.47	1.48	4.98	3.49	1.51	5.14	3.80	1.52	5.48	3.81	1.53	5.65	4.11	1.54	5.99	4.10	1.55	6.16	4.09	1.56	6.33	4.36	1.57
	35	4.74	3.60	2.01	5.28	3.63	2.04	5.46	3.94	2.05	5.82	3.96	2.07	6.00	4.27	2.08	6.36	4.25	2.10	6.54	4.25	2.11	6.72	4.53	2.12
	40	4.47	3.51	2.14	4.98	3.54	2.22	5.15	3.84	2.22	5.49	3.86	2.22	5.66	4.16	2.22	6.00	4.15	2.22	6.17	4.14	2.22	6.34	4.42	2.22
	43	4.18	3.34	2.14	4.65	3.36	2.22	4.81	3.65	2.22	5.13	3.67	2.22	5.29	3.96	2.22	5.60	3.94	2.22	5.76	3.94	2.22	5.92	4.20	2.22

TC : Total Capacity (kW)
SHC : Sensible Heat Capacity (kW)
PI : Power Input (kW)

MULTI TYPE
2ROOM TYPE

■MODEL : AO∗18L2

●INDOOR UNIT : 9000BTU + 12000BTU

		Indoor temperature																							
	°CDB	18°CDB			21°CDB			23°CDB			25°CDB			27°CDB			29°CDB			30°CDB			32°CDB		
	°CWB	12°CWB			15°CWB			16°CWB			18°CWB			19°CWB			21°CWB			22°CWB			23°CWB		
	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
9+12 Outdoor temperature	0	3.99	3.68	0.45	4.45	3.70	0.45	4.60	4.02	0.46	4.90	4.04	0.46	5.05	4.36	0.46	5.36	4.34	0.47	5.51	4.34	0.47	5.66	4.63	0.47
	5	4.28	3.72	0.51	4.77	3.75	0.52	4.93	4.07	0.52	5.26	4.09	0.52	5.42	4.41	0.53	5.75	4.40	0.53	5.91	4.39	0.54	6.07	4.68	0.54
	10	4.15	3.57	0.61	4.63	3.60	0.62	4.79	3.91	0.63	5.10	3.92	0.63	5.26	4.23	0.64	5.57	4.22	0.64	5.73	4.21	0.65	5.89	4.49	0.65
	15	4.49	3.63	0.88	5.01	3.65	0.90	5.18	3.97	0.90	5.52	3.98	0.91	5.69	4.30	0.92	6.03	4.28	0.93	6.20	4.27	0.93	6.37	4.56	0.94
	20	4.75	3.66	1.40	5.29	3.69	1.42	5.47	4.01	1.43	5.83	4.02	1.44	6.01	4.34	1.45	6.37	4.33	1.47	6.55	4.32	1.47	6.73	4.61	1.48
	25	4.89	3.73	1.40	5.45	3.75	1.42	5.63	4.08	1.43	6.00	4.10	1.45	6.19	4.42	1.45	6.56	4.40	1.47	6.75	4.40	1.47	6.93	4.69	1.48
	30	4.68	3.63	1.56	5.21	3.66	1.58	5.39	3.97	1.59	5.74	3.99	1.61	5.92	4.31	1.62	6.28	4.29	1.63	6.45	4.28	1.64	6.63	4.57	1.65
	35	5.06	3.81	2.14	5.63	3.83	2.22	5.82	4.16	2.22	6.21	4.18	2.22	6.40	4.51	2.22	6.78	4.49	2.22	6.98	4.49	2.22	7.17	4.79	2.22
	40	4.55	3.57	2.14	5.06	3.60	2.22	5.24	3.91	2.22	5.58	3.92	2.22	5.76	4.23	2.22	6.10	4.22	2.22	6.27	4.21	2.22	6.45	4.49	2.22
	43	4.29	3.46	2.14	4.77	3.48	2.22	4.94	3.78	2.22	5.26	3.79	2.22	5.43	4.10	2.22	5.75	4.08	2.22	5.91	4.07	2.22	6.08	4.35	2.22

●INDOOR UNIT : 9000BTU + 14000BTU

		Indoor temperature																							
	°CDB	18°CDB			21°CDB			23°CDB			25°CDB			27°CDB			29°CDB			30°CDB			32°CDB		
	°CWB	12°CWB			15°CWB			16°CWB			18°CWB			19°CWB			21°CWB			22°CWB			23°CWB		
	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
9+14 Outdoor temperature	0	4.05	3.91	0.47	4.51	3.94	0.48	4.66	4.28	0.48	4.97	4.30	0.48	5.12	4.64	0.49	5.43	4.62	0.49	5.59	4.61	0.49	5.74	4.92	0.50
	5	4.16	3.77	0.53	4.63	3.79	0.53	4.79	4.12	0.54	5.10	4.14	0.54	5.26	4.47	0.55	5.58	4.45	0.55	5.73	4.44	0.55	5.89	4.74	0.56
	10	4.04	3.63	0.63	4.50	3.65	0.64	4.65	3.97	0.64	4.96	3.99	0.65	5.11	4.30	0.65	5.42	4.29	0.66	5.57	4.28	0.66	5.72	4.57	0.67
	15	5.06	3.93	1.15	5.64	3.96	1.17	5.83	4.30	1.18	6.22	4.32	1.19	6.41	4.66	1.20	6.79	4.64	1.21	6.98	4.63	1.21	7.18	4.94	1.22
	20	5.23	3.96	1.61	5.82	3.99	1.63	6.02	4.33	1.64	6.42	4.35	1.66	6.61	4.69	1.66	7.01	4.68	1.68	7.21	4.67	1.69	7.41	4.98	1.70
	25	5.43	4.05	1.56	6.05	4.07	1.59	6.26	4.43	1.59	6.67	4.44	1.61	6.88	4.80	1.62	7.29	4.78	1.63	7.50	4.77	1.64	7.70	5.09	1.65
	30	5.19	3.95	1.74	5.78	3.97	1.76	5.98	4.32	1.77	6.38	4.33	1.79	6.57	4.68	1.80	6.97	4.66	1.82	7.16	4.65	1.83	7.36	4.96	1.83
	35	5.14	3.87	2.14	5.72	3.90	2.22	5.92	4.23	2.22	6.31	4.25	2.22	6.50	4.59	2.22	6.89	4.57	2.22	7.09	4.56	2.22	7.28	4.87	2.22
	40	4.67	3.75	2.14	5.20	3.77	2.22	5.38	4.10	2.22	5.73	4.12	2.22	5.91	4.44	2.22	6.27	4.43	2.22	6.44	4.42	2.22	6.62	4.71	2.22
	43	4.37	3.62	2.14	4.86	3.64	2.22	5.03	3.96	2.22	5.36	3.97	2.22	5.53	4.29	2.22	5.86	4.27	2.22	6.03	4.26	2.22	6.19	4.55	2.22

●INDOOR UNIT : 12000BTU + 12000BTU

		Indoor temperature																							
	°CDB	18°CDB			21°CDB			23°CDB			25°CDB			27°CDB			29°CDB			30°CDB			32°CDB		
	°CWB	12°CWB			15°CWB			16°CWB			18°CWB			19°CWB			21°CWB			22°CWB			23°CWB		
	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
12+12 Outdoor temperature	0	4.96	3.91	0.54	5.53	3.93	0.55	5.71	4.27	0.56	6.09	4.29	0.56	6.28	4.63	0.56	6.66	4.62	0.57	6.85	4.61	0.57	7.03	4.91	0.57
	5	4.91	3.72	0.65	5.47	3.74	0.66	5.66	4.07	0.66	6.03	4.08	0.67	6.22	4.41	0.67	6.59	4.39	0.68	6.78	4.38	0.68	6.97	4.68	0.69
	10	4.77	3.61	0.77	5.31	3.63	0.78	5.49	3.94	0.78	5.85	3.96	0.79	6.04	4.27	0.80	6.40	4.26	0.80	6.58	4.25	0.81	6.76	4.54	0.81
	15	5.07	3.70	1.13	5.65	3.73	1.15	5.84	4.05	1.16	6.22	4.07	1.17	6.42	4.39	1.17	6.80	4.37	1.18	6.99	4.37	1.19	7.19	4.66	1.20
	20	5.04	3.62	1.57	5.62	3.64	1.60	5.81	3.96	1.60	6.19	3.97	1.62	6.38	4.29	1.63	6.76	4.28	1.65	6.96	4.27	1.65	7.15	4.55	1.66
	25	5.18	3.68	1.54	5.77	3.70	1.56	5.97	4.02	1.57	6.36	4.04	1.59	6.56	4.36	1.60	6.95	4.35	1.61	7.15	4.34	1.62	7.34	4.63	1.63
	30	4.95	3.58	1.71	5.52	3.60	1.74	5.71	3.92	1.75	6.08	3.93	1.76	6.27	4.24	1.77	6.65	4.23	1.79	6.83	4.22	1.80	7.02	4.50	1.81
	35	5.06	3.63	2.14	5.63	3.65	2.22	5.82	3.97	2.22	6.21	3.98	2.22	6.40	4.30	2.22	6.78	4.28	2.22	6.98	4.27	2.22	7.17	4.56	2.22
	40	4.56	3.42	2.14	5.08	3.45	2.22	5.26	3.74	2.22	5.60	3.76	2.22	5.78	4.06	2.22	6.12	4.04	2.22	6.30	4.04	2.22	6.47	4.31	2.22
	43	4.30	3.31	2.14	4.79	3.33	2.22	4.95	3.62	2.22	5.28	3.64	2.22	5.44	3.93	2.22	5.77	3.91	2.22	5.93	3.91	2.22	6.10	4.17	2.22

TC : Total Capacity (kW)
SHC : Sensible Heat Capacity (kW)
PI : Power Input (kW)

MULTI TYPE
2ROOM TYPE

■MODEL : AO∗24L2

●INDOOR UNIT : 7000BTU + 7000BTU

		Indoor temperature																							
	°CDB	18°CDB			21°CDB			23°CDB			25°CDB			27°CDB			29°CDB			30°CDB			32°CDB		
	°CWB	12°CWB			15°CWB			16°CWB			18°CWB			19°CWB			21°CWB			22°CWB			23°CWB		
Outdoor temperature	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
7+7	0	3.32	2.86	0.36	3.70	2.88	0.37	3.82	3.13	0.37	4.07	3.14	0.37	4.20	3.39	0.37	4.45	3.38	0.38	4.58	3.38	0.38	4.70	3.60	0.38
	5	3.56	2.97	0.41	3.96	2.98	0.41	4.10	3.24	0.41	4.37	3.26	0.42	4.50	3.51	0.42	4.77	3.50	0.42	4.91	3.50	0.43	5.04	3.73	0.43
	10	3.41	2.90	0.50	3.80	2.92	0.51	3.93	3.18	0.51	4.19	3.19	0.52	4.32	3.44	0.52	4.58	3.43	0.53	4.71	3.42	0.53	4.84	3.65	0.53
	15	3.51	2.88	0.69	3.91	2.90	0.70	4.04	3.15	0.71	4.31	3.16	0.71	4.44	3.41	0.72	4.71	3.40	0.73	4.84	3.39	0.73	4.98	3.62	0.73
	20	3.75	2.91	1.05	4.18	2.93	1.07	4.32	3.18	1.07	4.60	3.19	1.09	4.75	3.44	1.09	5.03	3.43	1.10	5.17	3.43	1.11	5.31	3.66	1.11
	25	3.72	2.89	1.08	4.14	2.91	1.10	4.28	3.16	1.10	4.56	3.18	1.11	4.70	3.43	1.12	4.99	3.42	1.13	5.13	3.41	1.14	5.27	3.64	1.14
	30	3.56	2.83	1.20	3.96	2.85	1.22	4.10	3.09	1.23	4.37	3.11	1.24	4.50	3.35	1.25	4.77	3.34	1.26	4.91	3.33	1.26	5.04	3.56	1.27
	35	3.95	2.99	1.65	4.40	3.01	1.68	4.55	3.27	1.68	4.85	3.28	1.70	5.00	3.54	1.71	5.30	3.53	1.73	5.45	3.52	1.74	5.60	3.76	1.74
	40	3.71	2.89	1.82	4.14	2.91	1.84	4.28	3.16	1.85	4.56	3.18	1.87	4.70	3.43	1.88	4.98	3.42	1.90	5.12	3.41	1.91	5.26	3.64	1.92
	43	3.56	2.83	1.88	3.96	2.85	1.91	4.10	3.09	1.92	4.37	3.11	1.94	4.50	3.35	1.95	4.77	3.34	1.97	4.91	3.33	1.98	5.04	3.56	1.99

●INDOOR UNIT : 7000BTU + 9000BTU

		Indoor temperature																							
	°CDB	18°CDB			21°CDB			23°CDB			25°CDB			27°CDB			29°CDB			30°CDB			32°CDB		
	°CWB	12°CWB			15°CWB			16°CWB			18°CWB			19°CWB			21°CWB			22°CWB			23°CWB		
Outdoor temperature	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
7+9	0	3.35	3.01	0.36	3.73	3.03	0.36	3.85	3.30	0.37	4.11	3.31	0.37	4.24	3.57	0.37	4.49	3.56	0.38	4.62	3.55	0.38	4.74	3.79	0.38
	5	3.58	3.13	0.40	3.99	3.15	0.41	4.13	3.42	0.41	4.40	3.43	0.42	4.54	3.70	0.42	4.81	3.69	0.42	4.95	3.68	0.42	5.08	3.93	0.43
	10	3.44	3.06	0.50	3.83	3.08	0.51	3.96	3.35	0.51	4.23	3.36	0.52	4.36	3.63	0.52	4.62	3.61	0.53	4.75	3.61	0.53	4.88	3.85	0.53
	15	3.54	3.04	0.69	3.94	3.05	0.70	4.08	3.32	0.71	4.35	3.33	0.71	4.48	3.60	0.72	4.75	3.58	0.72	4.88	3.58	0.73	5.02	3.82	0.73
	20	4.62	3.40	1.28	5.15	3.43	1.30	5.32	3.72	1.31	5.67	3.74	1.32	5.85	4.03	1.33	6.20	4.02	1.34	6.37	4.01	1.35	6.55	4.28	1.36
	25	4.58	3.39	1.32	5.10	3.41	1.34	5.28	3.71	1.34	5.62	3.72	1.36	5.80	4.02	1.36	6.15	4.00	1.38	6.32	3.99	1.38	6.49	4.26	1.39
	30	4.38	3.31	1.46	4.88	3.33	1.49	5.05	3.62	1.49	5.38	3.63	1.51	5.55	3.92	1.52	5.88	3.90	1.53	6.04	3.90	1.54	6.21	4.16	1.55
	35	4.35	3.29	1.79	4.84	3.31	1.82	5.01	3.60	1.83	5.34	3.61	1.85	5.50	3.90	1.86	5.83	3.89	1.88	6.00	3.88	1.89	6.16	4.14	1.90
	40	4.08	3.19	1.97	4.55	3.21	2.01	4.70	3.48	2.02	5.01	3.50	2.04	5.17	3.78	2.05	5.48	3.76	2.07	5.64	3.76	2.08	5.79	4.01	2.09
	43	3.91	3.12	2.05	4.36	3.14	2.08	4.50	3.41	2.09	4.80	3.42	2.11	4.95	3.69	2.12	5.25	3.68	2.14	5.40	3.67	2.15	5.54	3.92	2.16

●INDOOR UNIT : 7000BTU + 12000BTU

		Indoor temperature																							
	°CDB	18°CDB			21°CDB			23°CDB			25°CDB			27°CDB			29°CDB			30°CDB			32°CDB		
	°CWB	12°CWB			15°CWB			16°CWB			18°CWB			19°CWB			21°CWB			22°CWB			23°CWB		
Outdoor temperature	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
7+12	0	3.87	3.35	0.43	4.31	3.37	0.44	4.45	3.66	0.44	4.75	3.68	0.44	4.89	3.97	0.45	5.19	3.96	0.45	5.33	3.95	0.45	5.48	4.21	0.45
	5	4.14	3.47	0.48	4.61	3.49	0.49	4.77	3.79	0.49	5.08	3.81	0.50	5.24	4.11	0.50	5.56	4.10	0.51	5.71	4.09	0.51	5.87	4.36	0.51
	10	3.98	3.40	0.60	4.43	3.42	0.61	4.58	3.72	0.61	4.88	3.73	0.62	5.03	4.03	0.62	5.33	4.01	0.63	5.49	4.01	0.63	5.64	4.27	0.64
	15	4.51	3.54	0.91	5.02	3.56	0.93	5.19	3.87	0.93	5.53	3.88	0.94	5.70	4.19	0.95	6.05	4.18	0.96	6.22	4.17	0.96	6.39	4.45	0.96
	20	4.67	3.55	1.32	5.20	3.58	1.34	5.38	3.89	1.35	5.73	3.90	1.36	5.91	4.21	1.37	6.26	4.20	1.38	6.44	4.19	1.39	6.62	4.47	1.39
	25	4.63	3.54	1.35	5.15	3.56	1.37	5.33	3.87	1.38	5.68	3.88	1.39	5.86	4.19	1.40	6.21	4.18	1.42	6.38	4.17	1.42	6.56	4.45	1.43
	30	4.43	3.46	1.50	4.93	3.48	1.53	5.10	3.78	1.54	5.43	3.79	1.55	5.60	4.10	1.56	5.94	4.08	1.57	6.11	4.07	1.58	6.27	4.35	1.59
	35	4.66	3.52	2.00	5.19	3.54	2.03	5.37	3.85	2.04	5.72	3.86	2.06	5.90	4.17	2.07	6.25	4.15	2.09	6.43	4.15	2.10	6.61	4.42	2.11
	40	4.38	3.41	2.20	4.88	3.43	2.23	5.05	3.72	2.24	5.38	3.74	2.27	5.55	4.04	2.28	5.88	4.02	2.30	6.05	4.01	2.31	6.21	4.28	2.32
	43	4.19	3.33	2.27	4.67	3.35	2.35	4.83	3.64	2.35	5.15	3.66	2.35	5.31	3.95	2.35	5.63	3.93	2.35	5.79	3.93	2.35	5.95	4.19	2.35

●INDOOR UNIT : 7000BTU + 14000BTU

		Indoor temperature																							
	°CDB	18°CDB			21°CDB			23°CDB			25°CDB			27°CDB			29°CDB			30°CDB			32°CDB		
	°CWB	12°CWB			15°CWB			16°CWB			18°CWB			19°CWB			21°CWB			22°CWB			23°CWB		
Outdoor temperature	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
7+14	0	3.94	3.73	0.48	4.39	3.75	0.49	4.54	4.07	0.49	4.84	4.09	0.49	4.99	4.42	0.50	5.29	4.40	0.50	5.44	4.39	0.50	5.59	4.68	0.51
	5	4.08	3.80	0.54	4.54	3.82	0.55	4.70	4.15	0.55	5.01	4.17	0.55	5.16	4.50	0.56	5.47	4.48	0.56	5.63	4.48	0.57	5.78	4.77	0.57
	10	3.94	3.73	0.67	4.39	3.75	0.68	4.54	4.07	0.68	4.84	4.09	0.69	4.99	4.42	0.69	5.29	4.40	0.70	5.44	4.39	0.70	5.59	4.68	0.71
	15	4.09	3.72	0.95	4.56	3.74	0.96	4.72	4.07	0.97	5.03	4.08	0.98	5.18	4.41	0.98	5.49	4.39	0.99	5.65	4.39	1.00	5.80	4.68	1.00
	20	4.69	4.04	1.49	5.22	4.07	1.51	5.40	4.42	1.52	5.75	4.44	1.54	5.93	4.79	1.55	6.29	4.77	1.56	6.46	4.77	1.57	6.64	5.08	1.58
	25	4.72	3.96	1.53	5.26	3.99	1.55	5.44	4.34	1.56	5.80	4.35	1.58	5.98	4.70	1.58	6.34	4.68	1.60	6.51	4.67	1.61	6.69	4.98	1.62
	30	4.47	3.86	1.70	4.98	3.88	1.73	5.15	4.22	1.74	5.49	4.23	1.75	5.66	4.57	1.76	6.00	4.55	1.78	6.17	4.54	1.79	6.34	4.85	1.80
	35	5.37	4.17	2.51	5.98	4.20	2.55	6.19	4.57	2.56	6.60	4.58	2.59	6.80	4.95	2.60	7.21	4.93	2.63	7.41	4.92	2.64	7.62	5.25	2.65
	40	5.00	4.02	2.67	5.57	4.05	2.77	5.75	4.40	2.77	6.13	4.41	2.77	6.32	4.76	2.77	6.70	4.75	2.77	6.89	4.74	2.77	7.08	5.06	2.77
	43	4.30	3.73	2.27	4.79	3.75	2.35	4.95	4.07	2.35	5.28	4.09	2.35	5.44	4.42	2.35	5.77	4.40	2.35	5.93	4.39	2.35	6.09	4.68	2.35

●INDOOR UNIT : 7000BTU + 18000BTU

		Indoor temperature																							
	°CDB	18°CDB			21°CDB			23°CDB			25°CDB			27°CDB			29°CDB			30°CDB			32°CDB		
	°CWB	12°CWB			15°CWB			16°CWB			18°CWB			19°CWB			21°CWB			22°CWB			23°CWB		
Outdoor temperature	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
7+18	0	5.04	4.46	0.55	5.62	4.49	0.56	5.81	4.88	0.57	6.19	4.90	0.57	6.38	5.29	0.57	6.77	5.27	0.58	6.96	5.26	0.58	7.15	5.61	0.59
	5	5.04	4.46	0.66	5.62	4.49	0.67	5.81	4.88	0.67	6.19	4.90	0.68	6.38	5.29	0.68	6.77	5.27	0.69	6.96	5.26	0.69	7.15	5.61	0.69
	10	4.83	4.36	0.79	5.38	4.39	0.80	5.56	4.77	0.80	5.93	4.79	0.81	6.11	5.17	0.82	6.48	5.15	0.82	6.66	5.14	0.83	6.84	5.48	0.83
	15	5.04	4.36	1.16	5.62	4.39	1.18	5.81	4.77	1.18	6.19	4.79	1.19	6.38	5.17	1.20	6.77	5.15	1.21	6.96	5.14	1.22	7.15	5.48	1.22
	20	5.67	4.52	2.17	6.32	4.55	2.20	6.54	4.94	2.21	6.97	4.96	2.24	7.18	5.36	2.25	7.61	5.34	2.27	7.83	5.33	2.28	8.04	5.68	2.29
	25	5.79	4.57	2.09	6.45	4.60	2.12	6.67	4.99	2.14	7.11	5.01	2.16	7.33	5.41	2.17	7.77	5.39	2.19	7.99	5.38	2.20	8.21	5.74	2.21
	30	5.90	4.61	2.27	6.58	4.64	2.31	6.80	5.05	2.32	7.25	5.06	2.34	7.47	5.47	2.35	7.92	5.45	2.38	8.14	5.44	2.39	8.37	5.80	2.40
	35	6.00	4.65	2.67	6.69	4.68	2.77	6.92	5.09	2.77	7.37	5.11	2.77	7.60	5.52	2.77	8.06	5.50	2.77	8.28	5.49	2.77	8.51	5.85	2.77
	40	5.40	4.41	2.67	6.02	4.44	2.77	6.22	4.82	2.77	6.63	4.84	2.77	6.84	5.22	2.77	7.25	5.20	2.77	7.46	5.20	2.77	7.66	5.54	2.77
	43	4.50	4.02	2.27	5.02	4.04	2.35	5.19	4.39	2.35	5.53	4.41	2.35	5.70	4.76	2.35	6.04	4.74	2.35	6.21	4.74	2.35	6.38	5.05	2.35

TC : Total Capacity (kW)
SHC : Sensible Heat Capacity (kW)
PI : Power Input (kW)

MULTI TYPE
2ROOM TYPE

■MODEL : AO∗24L2

●INDOOR UNIT : 9000BTU + 9000BTU

		Indoor temperature																					
	°CDB	18°CDB			21°CDB			23°CDB			25°CDB			27°CDB			29°CDB			30°CDB			32°CDB		
	°CWB	12°CWB			15°CWB			16°CWB			18°CWB			19°CWB			21°CWB			22°CWB			23°CWB		
	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
9+9 Outdoor temperature	0	3.93	3.43	0.43	4.38	3.45	0.44	4.53	3.75	0.44	4.83	3.77	0.45	4.98	4.07	0.45	5.27	4.05	0.45	5.42	4.04	0.45	5.57	4.31	0.46
	5	4.21	3.55	0.49	4.69	3.58	0.49	4.85	3.89	0.50	5.17	3.90	0.50	5.33	4.21	0.50	5.65	4.20	0.51	5.81	4.19	0.51	5.97	4.47	0.51
	10	4.04	3.48	0.61	4.50	3.50	0.61	4.66	3.81	0.62	4.96	3.82	0.62	5.12	4.12	0.63	5.42	4.11	0.63	5.58	4.10	0.64	5.73	4.38	0.64
	15	3.82	3.30	0.76	4.25	3.33	0.78	4.40	3.61	0.78	4.69	3.63	0.79	4.83	3.92	0.79	5.12	3.90	0.80	5.27	3.90	0.80	5.41	4.16	0.81
	20	4.56	3.50	1.32	5.08	3.52	1.35	5.25	3.82	1.35	5.60	3.84	1.37	5.77	4.14	1.37	6.12	4.13	1.39	6.29	4.12	1.39	6.46	4.40	1.40
	25	4.61	3.55	1.36	5.14	3.57	1.38	5.31	3.88	1.39	5.66	3.90	1.40	5.84	4.21	1.41	6.19	4.19	1.42	6.36	4.19	1.43	6.54	4.47	1.44
	30	4.41	3.47	1.51	4.91	3.49	1.54	5.08	3.80	1.54	5.42	3.81	1.56	5.58	4.11	1.57	5.92	4.10	1.58	6.09	4.09	1.59	6.25	4.36	1.60
	35	4.74	3.60	2.01	5.28	3.63	2.04	5.46	3.94	2.05	5.82	3.96	2.07	6.00	4.27	2.08	6.36	4.25	2.10	6.54	4.25	2.11	6.72	4.53	2.12
	40	4.46	3.49	2.21	4.96	3.51	2.24	5.13	3.82	2.25	5.47	3.83	2.28	5.64	4.13	2.29	5.98	4.12	2.31	6.15	4.11	2.32	6.32	4.39	2.33
	43	4.27	3.41	2.27	4.75	3.43	2.35	4.91	3.73	2.35	5.24	3.75	2.35	5.40	4.04	2.35	5.72	4.03	2.35	5.89	4.02	2.35	6.05	4.29	2.35

●INDOOR UNIT : 9000BTU + 12000BTU

		Indoor temperature																					
	°CDB	18°CDB			21°CDB			23°CDB			25°CDB			27°CDB			29°CDB			30°CDB			32°CDB		
	°CWB	12°CWB			15°CWB			16°CWB			18°CWB			19°CWB			21°CWB			22°CWB			23°CWB		
	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
9+12 Outdoor temperature	0	3.88	3.49	0.47	4.32	3.51	0.48	4.47	3.81	0.48	4.77	3.83	0.49	4.91	4.13	0.49	5.21	4.12	0.50	5.36	4.11	0.50	5.50	4.38	0.50
	5	4.02	3.55	0.53	4.48	3.58	0.54	4.63	3.89	0.54	4.94	3.90	0.55	5.09	4.21	0.55	5.39	4.20	0.56	5.55	4.19	0.56	5.70	4.47	0.56
	10	3.88	3.49	0.66	4.32	3.51	0.67	4.47	3.81	0.68	4.77	3.83	0.68	4.91	4.13	0.69	5.21	4.12	0.69	5.36	4.11	0.70	5.50	4.38	0.70
	15	4.03	3.48	0.94	4.49	3.50	0.95	4.65	3.81	0.96	4.95	3.82	0.97	5.11	4.13	0.97	5.41	4.11	0.98	5.56	4.10	0.99	5.72	4.38	0.99
	20	4.57	3.75	1.48	5.10	3.77	1.50	5.27	4.10	1.51	5.62	4.12	1.53	5.79	4.44	1.53	6.14	4.43	1.55	6.31	4.42	1.56	6.48	4.71	1.56
	25	4.70	3.75	1.52	5.23	3.77	1.54	5.41	4.10	1.55	5.77	4.11	1.56	5.95	4.44	1.57	6.30	4.42	1.59	6.48	4.42	1.60	6.66	4.71	1.60
	30	4.45	3.64	1.69	4.95	3.67	1.71	5.12	3.98	1.72	5.46	4.00	1.74	5.63	4.32	1.75	5.97	4.30	1.77	6.13	4.29	1.78	6.30	4.58	1.78
	35	5.29	3.91	2.49	5.90	3.93	2.53	6.10	4.27	2.54	6.50	4.29	2.57	6.70	4.63	2.58	7.10	4.61	2.61	7.30	4.61	2.62	7.50	4.91	2.63
	40	4.92	3.76	2.67	5.48	3.79	2.77	5.67	4.12	2.77	6.04	4.13	2.77	6.23	4.46	2.77	6.60	4.44	2.77	6.79	4.44	2.77	6.98	4.73	2.77
	43	4.23	3.49	2.27	4.72	3.51	2.35	4.88	3.81	2.35	5.20	3.83	2.35	5.36	4.13	2.35	5.68	4.12	2.35	5.84	4.11	2.35	6.00	4.38	2.35

●INDOOR UNIT : 9000BTU + 14000BTU

		Indoor temperature																					
	°CDB	18°CDB			21°CDB			23°CDB			25°CDB			27°CDB			29°CDB			30°CDB			32°CDB		
	°CWB	12°CWB			15°CWB			16°CWB			18°CWB			19°CWB			21°CWB			22°CWB			23°CWB		
	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
9+14 Outdoor temperature	0	4.04	3.92	0.49	4.50	3.95	0.49	4.65	4.29	0.50	4.96	4.31	0.50	5.11	4.65	0.50	5.42	4.63	0.51	5.57	4.62	0.51	5.72	4.93	0.51
	5	4.18	4.00	0.55	4.66	4.02	0.56	4.82	4.37	0.56	5.13	4.39	0.56	5.29	4.74	0.57	5.61	4.72	0.57	5.77	4.71	0.58	5.93	5.03	0.58
	10	4.04	3.92	0.68	4.50	3.95	0.69	4.65	4.29	0.69	4.96	4.31	0.70	5.11	4.65	0.71	5.42	4.63	0.71	5.57	4.62	0.72	5.72	4.93	0.72
	15	5.13	4.35	1.18	5.71	4.37	1.19	5.91	4.75	1.20	6.30	4.77	1.21	6.49	5.15	1.22	6.88	5.13	1.23	7.07	5.12	1.24	7.27	5.47	1.24
	20	4.82	4.11	1.64	5.37	4.14	1.67	5.55	4.50	1.68	5.91	4.51	1.69	6.10	4.87	1.70	6.46	4.86	1.72	6.65	4.85	1.73	6.83	5.17	1.74
	25	5.09	4.23	1.68	5.67	4.25	1.71	5.86	4.62	1.72	6.25	4.64	1.74	6.44	5.01	1.75	6.83	4.99	1.76	7.02	4.98	1.77	7.21	5.32	1.78
	30	4.82	4.11	1.87	5.37	4.14	1.90	5.55	4.50	1.91	5.91	4.51	1.93	6.10	4.87	1.94	6.46	4.86	1.96	6.65	4.85	1.97	6.83	5.17	1.98
	35	5.77	4.51	2.67	6.42	4.54	2.77	6.64	4.93	2.77	7.08	4.95	2.77	7.30	5.34	2.77	7.74	5.32	2.77	7.96	5.31	2.77	8.18	5.67	2.77
	40	5.36	4.34	2.67	5.97	4.37	2.77	6.18	4.75	2.77	6.59	4.77	2.77	6.79	5.15	2.77	7.20	5.13	2.77	7.40	5.12	2.77	7.60	5.46	2.77
	43	4.61	4.02	2.27	5.14	4.05	2.35	5.31	4.40	2.35	5.66	4.42	2.35	5.84	4.77	2.35	6.19	4.75	2.35	6.37	4.74	2.35	6.54	5.06	2.35

●INDOOR UNIT : 9000BTU + 18000BTU

		Indoor temperature																					
	°CDB	18°CDB			21°CDB			23°CDB			25°CDB			27°CDB			29°CDB			30°CDB			32°CDB		
	°CWB	12°CWB			15°CWB			16°CWB			18°CWB			19°CWB			21°CWB			22°CWB			23°CWB		
	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
9+18 Outdoor temperature	0	5.68	4.63	0.75	6.32	4.66	0.76	6.54	5.06	0.76	6.97	5.08	0.77	7.19	5.49	0.78	7.62	5.47	0.78	7.83	5.46	0.79	8.05	5.82	0.79
	5	5.68	4.63	0.89	6.32	4.66	0.90	6.54	5.06	0.91	6.97	5.08	0.92	7.19	5.49	0.92	7.62	5.47	0.93	7.83	5.46	0.94	8.05	5.82	0.94
	10	5.43	4.53	1.02	6.05	4.56	1.03	6.26	4.95	1.04	6.67	4.97	1.05	6.88	5.37	1.05	7.29	5.35	1.06	7.50	5.34	1.07	7.70	5.69	1.07
	15	5.31	4.47	1.30	5.91	4.50	1.32	6.12	4.89	1.33	6.52	4.91	1.34	6.72	5.30	1.35	7.12	5.28	1.36	7.32	5.27	1.37	7.53	5.63	1.38
	20	5.75	4.66	2.35	6.40	4.69	2.38	6.62	5.10	2.40	7.06	5.12	2.42	7.28	5.52	2.43	7.71	5.50	2.46	7.93	5.49	2.47	8.15	5.86	2.48
	25	5.86	4.71	2.17	6.53	4.74	2.20	6.76	5.15	2.21	7.20	5.17	2.24	7.42	5.58	2.25	7.87	5.56	2.27	8.09	5.55	2.28	8.31	5.92	2.29
	30	5.98	4.76	2.30	6.66	4.79	2.33	6.89	5.20	2.34	7.34	5.22	2.37	7.57	5.64	2.38	8.02	5.62	2.40	8.25	5.61	2.42	8.48	5.98	2.43
	35	6.08	4.80	2.67	6.78	4.83	2.77	7.01	5.25	2.77	7.47	5.27	2.77	7.70	5.69	2.77	8.16	5.67	2.77	8.39	5.66	2.77	8.62	6.03	2.77
	40	5.47	4.54	2.67	6.10	4.57	2.77	6.31	4.97	2.77	6.72	4.99	2.77	6.93	5.39	2.77	7.35	5.37	2.77	7.55	5.36	2.77	7.76	5.71	2.77
	43	4.56	4.14	2.27	5.08	4.17	2.35	5.26	4.53	2.35	5.60	4.55	2.35	5.78	4.91	2.35	6.12	4.89	2.35	6.29	4.88	2.35	6.47	5.21	2.35

●INDOOR UNIT : 12000BTU + 12000BTU

		Indoor temperature																					
	°CDB	18°CDB			21°CDB			23°CDB			25°CDB			27°CDB			29°CDB			30°CDB			32°CDB		
	°CWB	12°CWB			15°CWB			16°CWB			18°CWB			19°CWB			21°CWB			22°CWB			23°CWB		
	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
12+12 Outdoor temperature	0	4.71	3.99	0.58	5.25	4.01	0.59	5.43	4.36	0.60	5.79	4.38	0.60	5.96	4.73	0.60	6.32	4.71	0.61	6.50	4.70	0.61	6.68	5.02	0.62
	5	4.88	4.06	0.66	5.44	4.09	0.67	5.62	4.44	0.67	5.99	4.46	0.68	6.18	4.81	0.68	6.55	4.80	0.69	6.73	4.79	0.69	6.92	5.11	0.69
	10	4.71	3.99	0.82	5.25	4.01	0.83	5.43	4.36	0.83	5.79	4.38	0.84	5.96	4.73	0.85	6.32	4.71	0.85	6.50	4.70	0.86	6.68	5.02	0.86
	15	4.99	4.01	1.18	5.55	4.04	1.19	5.74	4.39	1.20	6.12	4.40	1.21	6.31	4.75	1.22	6.69	4.74	1.23	6.88	4.73	1.24	7.07	5.04	1.24
	20	4.68	3.79	1.64	5.22	3.82	1.67	5.40	4.15	1.68	5.75	4.17	1.69	5.93	4.50	1.70	6.29	4.48	1.72	6.46	4.47	1.73	6.64	4.77	1.74
	25	4.95	3.90	1.68	5.51	3.93	1.71	5.70	4.27	1.72	6.08	4.28	1.74	6.27	4.62	1.75	6.64	4.61	1.76	6.83	4.60	1.77	7.02	4.91	1.78
	30	4.68	3.79	1.87	5.22	3.82	1.90	5.40	4.15	1.91	5.75	4.17	1.93	5.93	4.50	1.94	6.29	4.48	1.96	6.46	4.47	1.97	6.64	4.77	1.98
	35	5.61	4.16	2.67	6.25	4.19	2.77	6.46	4.55	2.77	6.89	4.57	2.77	7.10	4.93	2.77	7.53	4.91	2.77	7.74	4.90	2.77	7.95	5.23	2.77
	40	5.22	4.01	2.67	5.81	4.03	2.77	6.01	4.38	2.77	6.40	4.40	2.77	6.60	4.75	2.77	7.00	4.73	2.77	7.20	4.72	2.77	7.40	5.04	2.77
	43	4.49	3.71	2.27	5.00	3.74	2.35	5.17	4.06	2.35	5.51	4.08	2.35	5.68	4.40	2.35	6.02	4.38	2.35	6.19	4.38	2.35	6.36	4.67	2.35

TC : Total Capacity (kW)
SHC : Sensible Heat Capacity (kW)
PI : Power Input (kW)

MULTI TYPE
2ROOM TYPE

■MODEL : AO∗24L2

●INDOOR UNIT : 12000BTU + 14000BTU

		Indoor temperature																							
	°CDB	18°CDB			21°CDB			23°CDB			25°CDB			27°CDB			29°CDB			30°CDB			32°CDB		
	°CWB	12°CWB			15°CWB			16°CWB			18°CWB			19°CWB			21°CWB			22°CWB			23°CWB		
	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
12+14 Outdoor temperature	0	4.91	4.43	0.55	5.47	4.46	0.56	5.66	4.85	0.57	6.03	4.87	0.57	6.22	5.25	0.57	6.59	5.24	0.58	6.78	5.23	0.58	6.96	5.57	0.59
	5	4.91	4.43	0.66	5.47	4.46	0.67	5.66	4.85	0.67	6.03	4.87	0.68	6.22	5.25	0.68	6.59	5.24	0.69	6.78	5.23	0.69	6.96	5.57	0.69
	10	4.70	4.33	0.79	5.24	4.36	0.80	5.41	4.74	0.80	5.77	4.76	0.81	5.95	5.14	0.82	6.31	5.12	0.82	6.49	5.11	0.83	6.66	5.45	0.83
	15	5.36	4.53	1.26	5.97	4.56	1.28	6.17	4.95	1.29	6.58	4.97	1.30	6.78	5.37	1.31	7.19	5.35	1.32	7.39	5.34	1.33	7.59	5.69	1.34
	20	5.52	4.49	2.17	6.15	4.52	2.20	6.36	4.91	2.21	6.78	4.93	2.24	6.99	5.32	2.25	7.41	5.30	2.27	7.62	5.29	2.28	7.83	5.65	2.29
	25	5.64	4.54	2.09	6.28	4.57	2.12	6.49	4.96	2.14	6.92	4.98	2.16	7.13	5.38	2.17	7.56	5.36	2.19	7.78	5.35	2.20	7.99	5.71	2.21
	30	5.75	4.58	2.27	6.40	4.61	2.31	6.62	5.01	2.32	7.06	5.03	2.34	7.28	5.43	2.35	7.71	5.41	2.38	7.93	5.40	2.39	8.15	5.77	2.40
	35	5.85	4.63	2.67	6.51	4.65	2.77	6.73	5.06	2.77	7.18	5.08	2.77	7.40	5.48	2.77	7.84	5.46	2.77	8.07	5.45	2.77	8.29	5.82	2.77
	40	5.26	4.38	2.67	5.86	4.41	2.77	6.06	4.79	2.77	6.46	4.81	2.77	6.66	5.19	2.77	7.06	5.17	2.77	7.26	5.16	2.77	7.46	5.51	2.77
	43	4.38	3.99	2.27	4.88	4.02	2.35	5.05	4.37	2.35	5.38	4.38	2.35	5.55	4.73	2.35	5.88	4.72	2.35	6.05	4.71	2.35	6.22	5.02	2.35

●INDOOR UNIT : 12000BTU + 18000BTU

		Indoor temperature																							
	°CDB	18°CDB			21°CDB			23°CDB			25°CDB			27°CDB			29°CDB			30°CDB			32°CDB		
	°CWB	12°CWB			15°CWB			16°CWB			18°CWB			19°CWB			21°CWB			22°CWB			23°CWB		
	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
12+18 Outdoor temperature	0	5.75	4.75	0.75	6.41	4.78	0.76	6.62	5.19	0.76	7.06	5.21	0.77	7.28	5.63	0.78	7.72	5.60	0.78	7.94	5.59	0.79	8.15	5.97	0.79
	5	5.75	4.75	0.89	6.41	4.78	0.90	6.62	5.19	0.91	7.06	5.21	0.92	7.28	5.63	0.92	7.72	5.60	0.93	7.94	5.59	0.94	8.15	5.97	0.94
	10	5.50	4.64	1.02	6.13	4.67	1.03	6.34	5.08	1.04	6.76	5.10	1.05	6.97	5.50	1.05	7.39	5.48	1.06	7.60	5.47	1.07	7.80	5.84	1.07
	15	5.83	4.78	1.41	6.49	4.81	1.43	6.71	5.23	1.44	7.15	5.25	1.45	7.37	5.66	1.46	7.82	5.64	1.48	8.04	5.63	1.48	8.26	6.01	1.49
	20	6.47	5.05	2.67	7.21	5.09	2.77	7.45	5.53	2.77	7.94	5.55	2.77	8.19	5.99	2.77	8.68	5.97	2.77	8.93	5.96	2.77	9.17	6.36	2.77
	25	7.07	5.33	2.58	7.88	5.36	2.62	8.15	5.83	2.64	8.68	5.85	2.66	8.95	6.32	2.68	9.49	6.29	2.77	9.76	6.28	2.77	10.03	6.70	2.77
	30	6.73	5.17	2.55	7.50	5.20	2.59	7.75	5.65	2.60	8.27	5.68	2.63	8.52	6.13	2.64	9.03	6.11	2.67	9.29	6.09	2.68	9.54	6.50	2.70
	35	6.16	4.92	2.67	6.86	4.95	2.77	7.10	5.38	2.77	7.57	5.40	2.77	7.80	5.83	2.77	8.27	5.81	2.77	8.50	5.80	2.77	8.74	6.19	2.77
	40	5.55	4.66	2.67	6.18	4.69	2.77	6.39	5.10	2.77	6.81	5.12	2.77	7.02	5.52	2.77	7.44	5.50	2.77	7.65	5.49	2.77	7.86	5.86	2.77
	43	4.62	4.25	2.27	5.15	4.27	2.35	5.32	4.65	2.35	5.67	4.66	2.35	5.85	5.03	2.35	6.20	5.02	2.35	6.38	5.01	2.35	6.55	5.34	2.35

●INDOOR UNIT : 14000BTU + 14000BTU

		Indoor temperature																							
	°CDB	18°CDB			21°CDB			23°CDB			25°CDB			27°CDB			29°CDB			30°CDB			32°CDB		
	°CWB	12°CWB			15°CWB			16°CWB			18°CWB			19°CWB			21°CWB			22°CWB			23°CWB		
	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14+14 Outdoor temperature	0	5.68	4.69	0.75	6.32	4.72	0.76	6.54	5.13	0.76	6.97	5.15	0.77	7.19	5.56	0.78	7.62	5.54	0.78	7.83	5.53	0.79	8.05	5.90	0.79
	5	5.68	4.69	0.89	6.32	4.72	0.90	6.54	5.13	0.91	6.97	5.15	0.92	7.19	5.56	0.92	7.62	5.54	0.93	7.83	5.53	0.94	8.05	5.90	0.94
	10	5.43	4.59	1.02	6.05	4.61	1.03	6.26	5.01	1.04	6.67	5.03	1.05	6.88	5.43	1.05	7.29	5.41	1.06	7.50	5.40	1.07	7.70	5.77	1.07
	15	5.31	4.53	1.30	5.91	4.56	1.32	6.12	4.96	1.33	6.52	4.98	1.34	6.72	5.37	1.35	7.12	5.35	1.36	7.32	5.34	1.37	7.53	5.70	1.38
	20	5.75	4.72	2.35	6.40	4.75	2.38	6.62	5.16	2.40	7.06	5.18	2.42	7.28	5.59	2.43	7.71	5.57	2.46	7.93	5.56	2.47	8.15	5.93	2.48
	25	5.86	4.77	2.17	6.53	4.80	2.20	6.76	5.21	2.21	7.20	5.23	2.24	7.42	5.65	2.25	7.87	5.63	2.27	8.09	5.62	2.28	8.31	6.00	2.29
	30	5.98	4.82	2.30	6.66	4.85	2.33	6.89	5.27	2.34	7.34	5.29	2.37	7.57	5.71	2.38	8.02	5.69	2.40	8.25	5.68	2.42	8.48	6.06	2.43
	35	6.08	4.86	2.67	6.78	4.89	2.77	7.01	5.31	2.77	7.47	5.34	2.77	7.70	5.76	2.77	8.16	5.74	2.77	8.39	5.73	2.77	8.62	6.11	2.77
	40	5.47	4.60	2.67	6.10	4.63	2.77	6.31	5.03	2.77	6.72	5.05	2.77	6.93	5.45	2.77	7.35	5.44	2.77	7.55	5.43	2.77	7.76	5.79	2.77
	43	4.56	4.20	2.27	5.08	4.22	2.35	5.26	4.59	2.35	5.60	4.61	2.35	5.78	4.97	2.35	6.12	4.95	2.35	6.29	4.95	2.35	6.47	5.28	2.35

TC : Total Capacity (kW)
SHC : Sensible Heat Capacity (kW)
PI : Power Input (kW)

MULTI TYPE
2ROOM TYPE

6-3. HEATING CAPACITY

■MODEL : AO∗18L2

●INDOOR UNIT : 7000BTU + 7000BTU

		Indoor temperature													
		°CDB	16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
		°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
7+7	Outdoor temperature	-10	-11	4.86	2.13	4.75	2.22	4.63	2.22	4.57	2.22	4.51	2.22	4.40	2.22	4.28	2.22
		-5	-7	5.42	2.13	5.29	2.22	5.16	2.22	5.10	2.22	5.03	2.22	4.91	2.22	4.78	2.22
		0	-2	5.99	2.13	5.84	2.22	5.70	2.22	5.63	2.22	5.56	2.22	5.42	2.22	5.27	2.22
		5	3	6.09	1.94	5.95	1.99	5.80	2.03	5.73	2.05	5.66	2.07	5.51	2.11	5.37	2.15
		7	6	6.72	2.04	6.56	2.09	6.40	2.13	6.32	2.22	6.24	2.22	6.08	2.22	5.92	2.22
		10	8	7.08	2.13	6.91	2.22	6.74	2.22	6.66	2.22	6.57	2.22	6.41	2.22	6.24	2.22
		15	10	7.63	2.13	7.45	2.22	7.26	2.22	7.17	2.22	7.08	2.22	6.90	2.22	6.72	2.22
		20	15	7.71	2.00	7.53	2.04	7.35	2.09	7.26	2.15	7.16	2.15	6.98	2.15	6.80	2.15

●INDOOR UNIT : 7000BTU + 9000BTU

		Indoor temperature													
		°CDB	16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
		°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
7+9	Outdoor temperature	-10	-11	4.78	2.13	4.67	2.22	4.55	2.22	4.50	2.22	4.44	2.22	4.33	2.22	4.21	2.22
		-5	-7	5.29	2.13	5.16	2.22	5.03	2.22	4.97	2.22	4.91	2.22	4.78	2.22	4.66	2.22
		0	-2	6.01	2.13	5.86	2.22	5.72	2.22	5.65	2.22	5.58	2.22	5.43	2.22	5.29	2.22
		5	3	6.66	2.13	6.50	2.22	6.34	2.22	6.26	2.22	6.18	2.22	6.03	2.22	5.87	2.22
		7	6	7.14	2.13	6.97	2.22	6.80	2.22	6.72	2.22	6.63	2.22	6.46	2.22	6.29	2.22
		10	8	7.48	2.13	7.30	2.22	7.13	2.22	7.04	2.22	6.95	2.22	6.77	2.22	6.59	2.22
		15	10	8.00	2.13	7.81	2.22	7.62	2.22	7.52	2.22	7.43	2.22	7.24	2.22	7.05	2.22
		20	15	8.06	2.06	7.87	2.15	7.68	2.15	7.58	2.15	7.49	2.15	7.29	2.15	7.10	2.15

●INDOOR UNIT : 7000BTU + 12000BTU

		Indoor temperature													
		°CDB	16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
		°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
7+12	Outdoor temperature	-10	-11	4.93	2.13	4.81	2.22	4.69	2.22	4.63	2.22	4.57	2.22	4.46	2.22	4.34	2.22
		-5	-7	5.42	2.13	5.30	2.22	5.17	2.22	5.10	2.22	5.04	2.22	4.91	2.22	4.78	2.22
		0	-2	5.96	2.13	5.82	2.22	5.67	2.22	5.60	2.22	5.53	2.22	5.39	2.22	5.25	2.22
		5	3	6.63	2.13	6.47	2.22	6.31	2.22	6.24	2.22	6.16	2.22	6.00	2.22	5.84	2.22
		7	6	7.14	2.13	6.97	2.22	6.80	2.22	6.72	2.22	6.63	2.22	6.46	2.22	6.29	2.22
		10	8	7.44	2.13	7.26	2.22	7.09	2.22	7.00	2.22	6.91	2.22	6.73	2.22	6.56	2.22
		15	10	7.98	2.13	7.79	2.22	7.60	2.22	7.51	2.22	7.41	2.22	7.22	2.22	7.03	2.22
		20	15	8.03	2.06	7.84	2.15	7.65	2.15	7.55	2.15	7.46	2.15	7.27	2.15	7.08	2.15

●INDOOR UNIT : 7000BTU + 14000BTU

		Indoor temperature													
		°CDB	16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
		°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
7+14	Outdoor temperature	-10	-11	5.22	2.13	5.10	2.22	4.97	2.22	4.91	2.22	4.85	2.22	4.72	2.22	4.60	2.22
		-5	-7	5.73	2.13	5.59	2.22	5.46	2.22	5.39	2.22	5.32	2.22	5.18	2.22	5.05	2.22
		0	-2	6.39	2.13	6.24	2.22	6.09	2.22	6.01	2.22	5.94	2.22	5.79	2.22	5.63	2.22
		5	3	7.02	2.13	6.86	2.22	6.69	2.22	6.60	2.22	6.52	2.22	6.35	2.22	6.19	2.22
		7	6	7.35	2.13	7.18	2.22	7.00	2.22	6.91	2.22	6.83	2.22	6.65	2.22	6.48	2.22
		10	8	7.54	2.13	7.36	2.22	7.18	2.22	7.09	2.22	7.00	2.22	6.82	2.22	6.64	2.22
		15	10	7.87	2.13	7.68	2.22	7.50	2.22	7.40	2.22	7.31	2.22	7.12	2.22	6.94	2.22
		20	15	7.85	2.06	7.66	2.15	7.47	2.15	7.38	2.15	7.29	2.15	7.10	2.15	6.91	2.15

●INDOOR UNIT : 9000BTU + 9000BTU

		Indoor temperature													
		°CDB	16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
		°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
9+9	Outdoor temperature	-10	-11	4.82	2.13	4.71	2.22	4.59	2.22	4.53	2.22	4.48	2.22	4.36	2.22	4.25	2.22
		-5	-7	5.39	2.13	5.26	2.22	5.13	2.22	5.07	2.22	5.00	2.22	4.87	2.22	4.75	2.22
		0	-2	6.13	2.13	5.98	2.22	5.84	2.22	5.76	2.22	5.69	2.22	5.55	2.22	5.40	2.22
		5	3	6.83	2.13	6.67	2.22	6.50	2.22	6.42	2.22	6.34	2.22	6.18	2.22	6.02	2.22
		7	6	7.35	2.13	7.18	2.22	7.00	2.22	6.91	2.22	6.83	2.22	6.65	2.22	6.48	2.22
		10	8	7.66	2.13	7.48	2.22	7.29	2.22	7.20	2.22	7.11	2.22	6.93	2.22	6.75	2.22
		15	10	8.23	2.13	8.03	2.22	7.84	2.22	7.74	2.22	7.64	2.22	7.44	2.22	7.25	2.22
		20	15	8.28	2.06	8.08	2.15	7.88	2.15	7.79	2.15	7.69	2.15	7.49	2.15	7.29	2.15

TC : Total capacity (kW)
PI : Power Input (kW)

MULTI TYPE
2ROOM TYPE

■MODEL : AO∗18L2

●INDOOR UNIT : 9000BTU + 12000BTU

			Indoor temperature													
		°CDB	16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
		°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
9+12	Outdoor temperature	-10	-11	4.90	2.13	4.79	2.22	4.67	2.22	4.61	2.22	4.55	2.22	4.44	2.22	4.32	2.22
		-5	-7	5.40	2.13	5.28	2.22	5.15	2.22	5.08	2.22	5.02	2.22	4.89	2.22	4.76	2.22
		0	-2	6.12	2.13	5.98	2.22	5.83	2.22	5.76	2.22	5.68	2.22	5.54	2.22	5.39	2.22
		5	3	6.84	2.13	6.67	2.22	6.51	2.22	6.43	2.22	6.35	2.22	6.19	2.22	6.02	2.22
		7	6	7.35	2.13	7.18	2.22	7.00	2.22	6.91	2.22	6.83	2.22	6.65	2.22	6.48	2.22
		10	8	7.65	2.13	7.47	2.22	7.29	2.22	7.20	2.22	7.11	2.22	6.92	2.22	6.74	2.22
		15	10	8.25	2.13	8.06	2.22	7.86	2.22	7.76	2.22	7.66	2.22	7.47	2.22	7.27	2.22
		20	15	8.30	2.06	8.10	2.15	7.90	2.15	7.80	2.15	7.70	2.15	7.51	2.15	7.31	2.15

●INDOOR UNIT : 9000BTU + 14000BTU

			Indoor temperature													
		°CDB	16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
		°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
9+14	Outdoor temperature	-10	-11	5.27	2.13	5.15	2.22	5.02	2.22	4.96	2.22	4.90	2.22	4.77	2.22	4.64	2.22
		-5	-7	5.79	2.13	5.65	2.22	5.51	2.22	5.44	2.22	5.37	2.22	5.24	2.22	5.10	2.22
		0	-2	6.47	2.13	6.31	2.22	6.16	2.22	6.08	2.22	6.00	2.22	5.85	2.22	5.70	2.22
		5	3	7.19	2.13	7.02	2.22	6.85	2.22	6.76	2.22	6.67	2.22	6.50	2.22	6.33	2.22
		7	6	7.46	2.13	7.28	2.22	7.10	2.22	7.01	2.22	6.92	2.22	6.75	2.22	6.57	2.22
		10	8	7.65	2.13	7.47	2.22	7.29	2.22	7.20	2.22	7.11	2.22	6.93	2.22	6.74	2.22
		15	10	8.02	2.13	7.83	2.22	7.64	2.22	7.55	2.22	7.45	2.22	7.26	2.22	7.07	2.22
		20	15	8.04	2.06	7.85	2.15	7.66	2.15	7.57	2.15	7.47	2.15	7.28	2.15	7.09	2.15

●INDOOR UNIT : 12000BTU + 12000BTU

			Indoor temperature													
		°CDB	16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
		°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
12+12	Outdoor temperature	-10	-11	4.94	2.13	4.83	2.22	4.71	2.22	4.65	2.22	4.59	2.22	4.47	2.22	4.36	2.22
		-5	-7	5.45	2.13	5.32	2.22	5.19	2.22	5.13	2.22	5.06	2.22	4.93	2.22	4.80	2.22
		0	-2	6.18	2.13	6.04	2.22	5.89	2.22	5.82	2.22	5.74	2.22	5.60	2.22	5.45	2.22
		5	3	6.92	2.13	6.75	2.22	6.59	2.22	6.50	2.22	6.42	2.22	6.26	2.22	6.09	2.22
		7	6	7.35	2.13	7.18	2.22	7.00	2.22	6.91	2.22	6.83	2.22	6.65	2.22	6.48	2.22
		10	8	7.75	2.13	7.57	2.22	7.38	2.22	7.29	2.22	7.20	2.22	7.01	2.22	6.83	2.22
		15	10	8.28	2.13	8.08	2.22	7.89	2.22	7.79	2.22	7.69	2.22	7.49	2.22	7.30	2.22
		20	15	8.32	2.06	8.12	2.15	7.93	2.15	7.83	2.15	7.73	2.15	7.53	2.15	7.33	2.15

TC : Total capacity (kW)
PI : Power Input (kW)

MULTI TYPE
2ROOM TYPE

■MODEL : AO∗24L2

●INDOOR UNIT : 7000BTU + 7000BTU

				Indoor temperature													
			°CDB	16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
		°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
7+7	Outdoor temperature	-10	-11	5.30	2.66	5.17	2.71	5.05	2.77	4.98	2.77	4.92	2.77	4.80	2.77	4.67	2.77
		-5	-7	5.42	2.35	5.29	2.40	5.16	2.45	5.10	2.48	5.03	2.50	4.91	2.55	4.78	2.60
		0	-2	5.99	2.25	5.84	2.30	5.70	2.35	5.63	2.37	5.56	2.39	5.42	2.44	5.27	2.49
		5	3	6.09	1.93	5.95	1.97	5.80	2.01	5.73	2.03	5.66	2.05	5.51	2.09	5.37	2.13
		7	6	6.72	2.03	6.56	2.07	6.40	2.11	6.32	2.13	6.24	2.15	6.08	2.19	5.92	2.24
		10	8	7.08	2.06	6.91	2.10	6.74	2.15	6.66	2.17	6.57	2.19	6.41	2.23	6.24	2.28
		15	10	7.63	2.06	7.45	2.11	7.26	2.15	7.17	2.17	7.08	2.19	6.90	2.24	6.72	2.28
		20	15	7.71	1.98	7.53	2.03	7.35	2.07	7.26	2.09	7.16	2.11	6.98	2.15	6.80	2.19

●INDOOR UNIT : 7000BTU + 9000BTU

				Indoor temperature													
			°CDB	16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
		°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
7+9	Outdoor temperature	-10	-11	5.42	2.66	5.29	2.71	5.16	2.77	5.10	2.77	5.03	2.77	4.90	2.77	4.77	2.77
		-5	-7	6.00	2.66	5.85	2.71	5.71	2.77	5.64	2.77	5.57	2.77	5.43	2.77	5.28	2.77
		0	-2	6.65	2.66	6.49	2.71	6.33	2.77	6.25	2.77	6.17	2.77	6.01	2.77	5.86	2.77
		5	3	6.86	2.30	6.70	2.35	6.53	2.40	6.45	2.42	6.37	2.45	6.21	2.50	6.04	2.54
		7	6	7.56	2.43	7.38	2.48	7.20	2.53	7.11	2.56	7.02	2.58	6.84	2.63	6.66	2.68
		10	8	7.96	2.47	7.77	2.53	7.58	2.58	7.48	2.60	7.39	2.63	7.20	2.68	7.01	2.77
		15	10	8.47	2.50	8.27	2.55	8.07	2.60	7.97	2.63	7.87	2.65	7.67	2.71	7.47	2.77
		20	15	8.53	2.42	8.32	2.47	8.12	2.52	8.02	2.60	7.92	2.60	7.71	2.60	7.51	2.60

●INDOOR UNIT : 7000BTU + 12000BTU

				Indoor temperature													
			°CDB	16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
		°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
7+12	Outdoor temperature	-10	-11	5.49	2.66	5.36	2.71	5.23	2.77	5.17	2.77	5.10	2.77	4.97	2.77	4.84	2.77
		-5	-7	6.02	2.66	5.88	2.71	5.74	2.77	5.67	2.77	5.59	2.77	5.45	2.77	5.31	2.77
		0	-2	6.74	2.66	6.58	2.71	6.42	2.77	6.34	2.77	6.26	2.77	6.10	2.77	5.94	2.77
		5	3	7.35	2.58	7.18	2.63	7.00	2.68	6.91	2.71	6.83	2.77	6.65	2.77	6.48	2.77
		7	6	7.98	2.66	7.79	2.71	7.60	2.77	7.51	2.77	7.41	2.77	7.22	2.77	7.03	2.77
		10	8	8.40	2.66	8.20	2.71	8.00	2.77	7.90	2.77	7.80	2.77	7.60	2.77	7.40	2.77
		15	10	8.95	2.66	8.73	2.71	8.52	2.77	8.41	2.77	8.31	2.77	8.09	2.77	7.88	2.77
		20	15	8.84	2.50	8.63	2.60	8.41	2.60	8.31	2.60	8.20	2.60	7.99	2.60	7.78	2.60

●INDOOR UNIT : 7000BTU + 14000BTU

				Indoor temperature													
			°CDB	16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
		°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
7+14	Outdoor temperature	-10	-11	5.91	2.66	5.77	2.71	5.63	2.77	5.56	2.77	5.49	2.77	5.35	2.77	5.21	2.77
		-5	-7	6.49	2.66	6.34	2.71	6.18	2.77	6.11	2.77	6.03	2.77	5.87	2.77	5.72	2.77
		0	-2	7.26	2.66	7.09	2.71	6.92	2.77	6.83	2.77	6.74	2.77	6.57	2.77	6.40	2.77
		5	3	7.83	2.57	7.64	2.63	7.45	2.68	7.36	2.71	7.27	2.77	7.08	2.77	6.89	2.77
		7	6	8.40	2.66	8.20	2.71	8.00	2.77	7.90	2.77	7.80	2.77	7.60	2.77	7.40	2.77
		10	8	8.77	2.66	8.56	2.71	8.35	2.77	8.25	2.77	8.15	2.77	7.94	2.77	7.73	2.77
		15	10	9.04	2.66	8.83	2.71	8.61	2.77	8.50	2.77	8.40	2.77	8.18	2.77	7.97	2.77
		20	15	8.94	2.50	8.73	2.60	8.52	2.60	8.41	2.60	8.30	2.60	8.09	2.60	7.88	2.60

●INDOOR UNIT : 7000BTU + 18000BTU

				Indoor temperature													
			°CDB	16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
		°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
7+18	Outdoor temperature	-10	-11	6.45	2.66	6.30	2.71	6.14	2.77	6.06	2.77	5.99	2.77	5.83	2.77	5.68	2.77
		-5	-7	7.07	2.66	6.90	2.71	6.73	2.77	6.65	2.77	6.56	2.77	6.39	2.77	6.23	2.77
		0	-2	7.89	2.66	7.71	2.71	7.52	2.77	7.42	2.77	7.33	2.77	7.14	2.77	6.95	2.77
		5	3	8.76	2.66	8.55	2.71	8.34	2.77	8.24	2.77	8.14	2.77	7.93	2.77	7.72	2.77
		7	6	9.24	2.66	9.02	2.71	8.80	2.77	8.69	2.77	8.58	2.77	8.36	2.77	8.14	2.77
		10	8	9.57	2.66	9.34	2.71	9.11	2.77	9.00	2.77	8.89	2.77	8.66	2.77	8.43	2.77
		15	10	9.83	2.66	9.60	2.71	9.36	2.77	9.25	2.77	9.13	2.77	8.90	2.77	8.66	2.77
		20	15	9.68	2.50	9.45	2.60	9.22	2.60	9.10	2.60	8.99	2.60	8.75	2.60	8.52	2.60

TC : Total capacity (kW)
PI : Power Input (kW)

MULTI TYPE
2ROOM TYPE

■MODEL : AO∗24L2

●INDOOR UNIT : 9000BTU + 9000BTU

		Indoor temperature													
		°CDB	16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
		°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
9+9	Outdoor temperature	-10	-11	5.55	2.66	5.42	2.71	5.29	2.77	5.22	2.77	5.16	2.77	5.03	2.77	4.89	2.77
		-5	-7	6.13	2.66	5.98	2.71	5.83	2.77	5.76	2.77	5.69	2.77	5.54	2.77	5.40	2.77
		0	-2	6.91	2.66	6.75	2.71	6.58	2.77	6.50	2.77	6.42	2.77	6.25	2.77	6.09	2.77
		5	3	7.54	2.58	7.36	2.63	7.18	2.69	7.09	2.71	7.00	2.77	6.82	2.77	6.64	2.77
		7	6	8.19	2.66	8.00	2.71	7.80	2.77	7.70	2.77	7.61	2.77	7.41	2.77	7.22	2.77
		10	8	8.62	2.66	8.41	2.71	8.21	2.77	8.11	2.77	8.00	2.77	7.80	2.77	7.59	2.77
		15	10	9.20	2.66	8.98	2.71	8.76	2.77	8.65	2.77	8.54	2.77	8.32	2.77	8.10	2.77
		20	15	9.08	2.50	8.86	2.60	8.65	2.60	8.54	2.60	8.43	2.60	8.21	2.60	8.00	2.60

●INDOOR UNIT : 9000BTU + 12000BTU

		Indoor temperature													
		°CDB	16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
		°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
9+12	Outdoor temperature	-10	-11	5.57	2.66	5.44	2.71	5.31	2.77	5.24	2.77	5.17	2.77	5.04	2.77	4.91	2.77
		-5	-7	6.15	2.66	6.00	2.71	5.86	2.77	5.79	2.77	5.71	2.77	5.57	2.77	5.42	2.77
		0	-2	7.15	2.66	6.98	2.71	6.81	2.77	6.73	2.77	6.64	2.77	6.47	2.77	6.30	2.77
		5	3	7.81	2.66	7.62	2.71	7.44	2.77	7.34	2.77	7.25	2.77	7.06	2.77	6.88	2.77
		7	6	8.40	2.66	8.20	2.71	8.00	2.77	7.90	2.77	7.80	2.77	7.60	2.77	7.40	2.77
		10	8	8.76	2.66	8.55	2.71	8.34	2.77	8.24	2.77	8.14	2.77	7.93	2.77	7.72	2.77
		15	10	9.29	2.66	9.07	2.71	8.85	2.77	8.74	2.77	8.63	2.77	8.41	2.77	8.18	2.77
		20	15	9.16	2.50	8.94	2.60	8.72	2.60	8.61	2.60	8.50	2.60	8.28	2.60	8.07	2.60

●INDOOR UNIT : 9000BTU + 14000BTU

		Indoor temperature													
		°CDB	16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
		°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
9+14	Outdoor temperature	-10	-11	5.98	2.66	5.84	2.71	5.69	2.77	5.62	2.77	5.55	2.77	5.41	2.77	5.27	2.77
		-5	-7	6.57	2.66	6.42	2.71	6.26	2.77	6.18	2.77	6.10	2.77	5.95	2.77	5.79	2.77
		0	-2	7.36	2.66	7.18	2.71	7.01	2.77	6.92	2.77	6.83	2.77	6.66	2.77	6.48	2.77
		5	3	8.19	2.66	8.00	2.71	7.80	2.77	7.70	2.77	7.61	2.77	7.41	2.77	7.22	2.77
		7	6	8.61	2.66	8.41	2.71	8.20	2.77	8.10	2.77	8.00	2.77	7.79	2.77	7.59	2.77
		10	8	8.93	2.66	8.72	2.71	8.51	2.77	8.40	2.77	8.29	2.77	8.08	2.77	7.87	2.77
		15	10	9.24	2.66	9.02	2.71	8.80	2.77	8.69	2.77	8.58	2.77	8.36	2.77	8.14	2.77
		20	15	9.12	2.50	8.90	2.60	8.69	2.60	8.58	2.60	8.47	2.60	8.25	2.60	8.04	2.60

●INDOOR UNIT : 9000BTU + 18000BTU

		Indoor temperature													
		°CDB	16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
		°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
9+18	Outdoor temperature	-10	-11	6.52	2.66	6.36	2.71	6.20	2.77	6.13	2.77	6.05	2.77	5.89	2.77	5.74	2.77
		-5	-7	7.14	2.66	6.97	2.71	6.80	2.77	6.72	2.77	6.63	2.77	6.46	2.77	6.29	2.77
		0	-2	7.98	2.66	7.79	2.71	7.60	2.77	7.51	2.77	7.41	2.77	7.22	2.77	7.03	2.77
		5	3	8.86	2.66	8.65	2.71	8.44	2.77	8.33	2.77	8.22	2.77	8.01	2.77	7.80	2.77
		7	6	9.35	2.66	9.12	2.71	8.90	2.77	8.79	2.77	8.68	2.77	8.46	2.77	8.23	2.77
		10	8	9.68	2.66	9.45	2.71	9.22	2.77	9.10	2.77	8.99	2.77	8.76	2.77	8.53	2.77
		15	10	10.31	2.66	10.07	2.71	9.82	2.77	9.70	2.77	9.58	2.77	9.33	2.77	9.09	2.77
		20	15	9.90	2.50	9.66	2.60	9.42	2.60	9.31	2.60	9.19	2.60	8.95	2.60	8.72	2.60

●INDOOR UNIT : 12000BTU + 12000BTU

		Indoor temperature													
		°CDB	16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
		°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
12+12	Outdoor temperature	-10	-11	5.56	2.66	5.42	2.71	5.29	2.77	5.22	2.77	5.16	2.77	5.03	2.77	4.89	2.77
		-5	-7	6.14	2.66	5.99	2.71	5.84	2.77	5.77	2.77	5.70	2.77	5.55	2.77	5.40	2.77
		0	-2	6.93	2.66	6.76	2.71	6.60	2.77	6.51	2.77	6.43	2.77	6.27	2.77	6.10	2.77
		5	3	7.80	2.66	7.62	2.71	7.43	2.77	7.34	2.77	7.24	2.77	7.06	2.77	6.87	2.77
		7	6	8.40	2.66	8.20	2.71	8.00	2.77	7.90	2.77	7.80	2.77	7.60	2.77	7.40	2.77
		10	8	8.77	2.66	8.56	2.71	8.35	2.77	8.25	2.77	8.14	2.77	7.93	2.77	7.72	2.77
		15	10	9.32	2.66	9.09	2.71	8.87	2.77	8.76	2.77	8.65	2.77	8.43	2.77	8.21	2.77
		20	15	9.17	2.50	8.95	2.60	8.73	2.60	8.62	2.60	8.52	2.60	8.30	2.60	8.08	2.60

TC : Total capacity (kW)
PI : Power Input (kW)

MULTI TYPE
2ROOM TYPE

■MODEL : AO∗24L2

●INDOOR UNIT : 12000BTU + 14000BTU

		Indoor temperature													
		°CDB	16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	Outdoor temperature	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
12+14		-10	-11	6.10	2.66	5.96	2.71	5.81	2.77	5.74	2.77	5.67	2.77	5.52	2.77	5.38	2.77
		-5	-7	6.71	2.66	6.55	2.71	6.39	2.77	6.31	2.77	6.23	2.77	6.07	2.77	5.91	2.77
		0	-2	7.52	2.66	7.34	2.71	7.16	2.77	7.07	2.77	6.99	2.77	6.81	2.77	6.63	2.77
		5	3	8.38	2.66	8.18	2.71	7.98	2.77	7.88	2.77	7.78	2.77	7.58	2.77	7.38	2.77
		7	6	8.82	2.66	8.61	2.71	8.40	2.77	8.30	2.77	8.19	2.77	7.98	2.77	7.77	2.77
		10	8	9.15	2.66	8.94	2.71	8.72	2.77	8.61	2.77	8.50	2.77	8.28	2.77	8.06	2.77
		15	10	9.20	2.66	8.99	2.71	8.77	2.77	8.66	2.77	8.55	2.77	8.33	2.77	8.11	2.77
		20	15	9.36	2.50	9.14	2.60	8.91	2.60	8.80	2.60	8.69	2.60	8.47	2.60	8.24	2.60

●INDOOR UNIT : 12000BTU + 18000BTU

		Indoor temperature													
		°CDB	16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	Outdoor temperature	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
12+18		-10	-11	6.58	2.66	6.42	2.71	6.27	2.77	6.19	2.77	6.11	2.77	5.95	2.77	5.80	2.77
		-5	-7	7.22	2.66	7.04	2.71	6.87	2.77	6.79	2.77	6.70	2.77	6.53	2.77	6.36	2.77
		0	-2	8.07	2.66	7.88	2.71	7.69	2.77	7.59	2.77	7.49	2.77	7.30	2.77	7.11	2.77
		5	3	8.95	2.66	8.74	2.71	8.53	2.77	8.42	2.77	8.31	2.77	8.10	2.77	7.89	2.77
		7	6	9.45	2.66	9.23	2.71	9.00	2.77	8.89	2.77	8.78	2.77	8.55	2.77	8.33	2.77
		10	8	9.79	2.66	9.55	2.71	9.32	2.77	9.21	2.77	9.09	2.77	8.86	2.77	8.62	2.77
		15	10	10.45	2.66	10.20	2.71	9.95	2.77	9.83	2.77	9.70	2.77	9.45	2.77	9.21	2.77
		20	15	10.03	2.50	9.79	2.60	9.55	2.60	9.43	2.60	9.31	2.60	9.07	2.60	8.83	2.60

●INDOOR UNIT : 14000BTU + 14000BTU

		Indoor temperature													
		°CDB	16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	Outdoor temperature	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
14+14		-10	-11	6.44	2.66	6.29	2.71	6.14	2.77	6.06	2.77	5.98	2.77	5.83	2.77	5.68	2.77
		-5	-7	7.07	2.66	6.90	2.71	6.73	2.77	6.65	2.77	6.56	2.77	6.39	2.77	6.22	2.77
		0	-2	7.90	2.66	7.71	2.71	7.52	2.77	7.43	2.77	7.34	2.77	7.15	2.77	6.96	2.77
		5	3	8.76	2.66	8.55	2.71	8.34	2.77	8.24	2.77	8.13	2.77	7.93	2.77	7.72	2.77
		7	6	9.24	2.66	9.02	2.71	8.80	2.77	8.69	2.77	8.58	2.77	8.36	2.77	8.14	2.77
		10	8	9.56	2.66	9.33	2.71	9.11	2.77	8.99	2.77	8.88	2.77	8.65	2.77	8.42	2.77
		15	10	10.18	2.66	9.94	2.71	9.70	2.77	9.58	2.77	9.46	2.77	9.21	2.77	8.97	2.77
		20	15	9.77	2.50	9.54	2.60	9.31	2.60	9.19	2.60	9.08	2.60	8.84	2.60	8.61	2.60

TC : Total capacity (kW)
PI : Power Input (kW)

MULTI TYPE
2ROOM TYPE

7. FAN PERFORMANCE

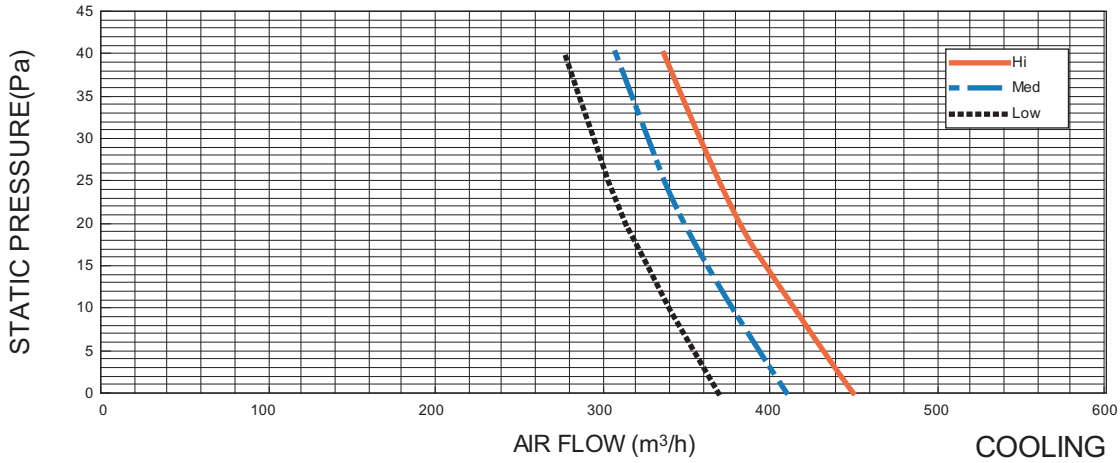
7-1. FAN PERFORMANCE AND CAPACITY

7-1-1. NORMAL MODE

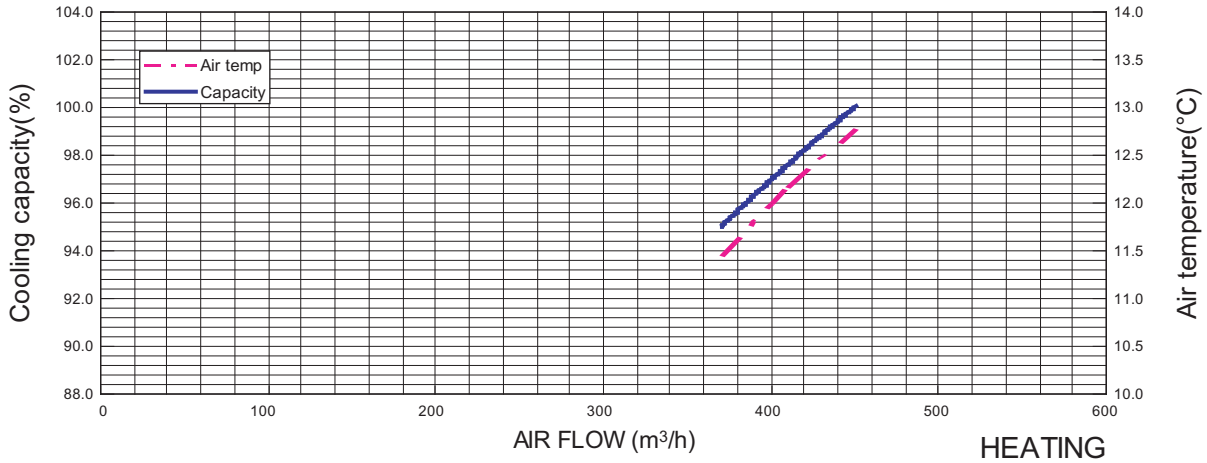
■MODEL : AR ✳9L

			Static pressure (Pa)		
			0	20	40
FAN SPEED	Hi	m^3/h	450	383	338
		l/s	125	106	94
		CFM	265	225	199
	Med	m^3/h	410	349	308
		l/s	114	97	85
		CFM	241	205	181
	Low	m^3/h	370	315	278
		l/s	103	87	77
		CFM	218	185	163

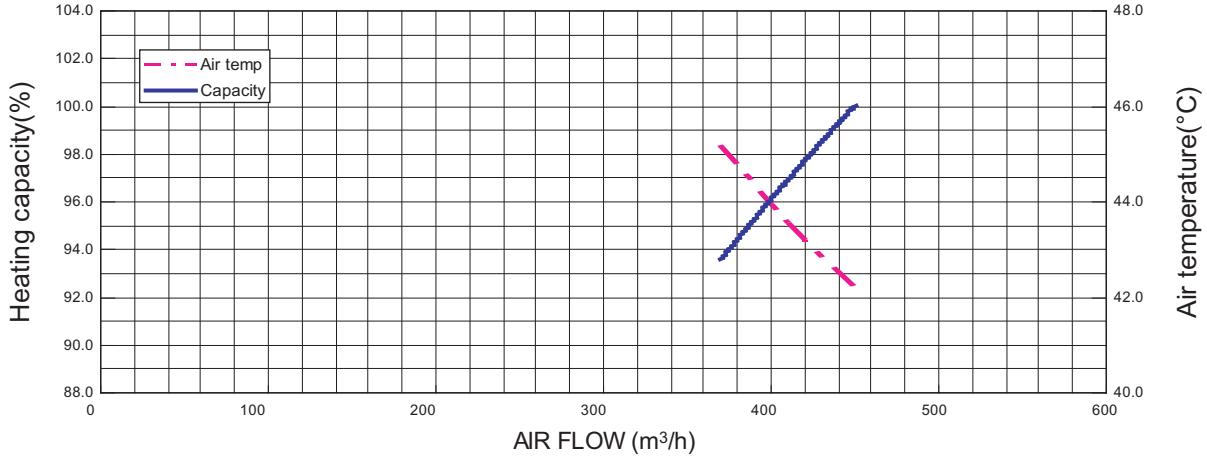
Q-h Characteristic curve



COOLING



HEATING

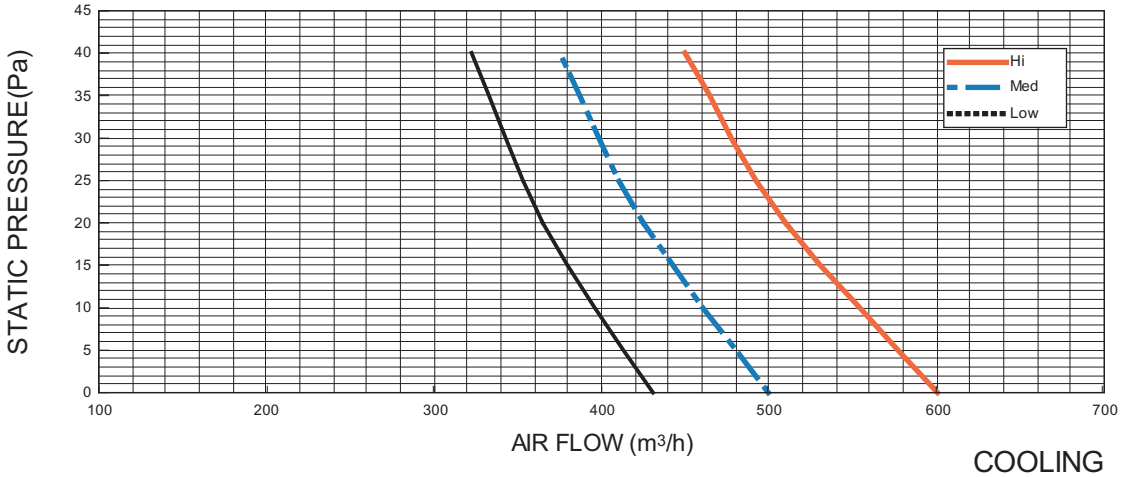


MULTI TYPE
2ROOM TYPE

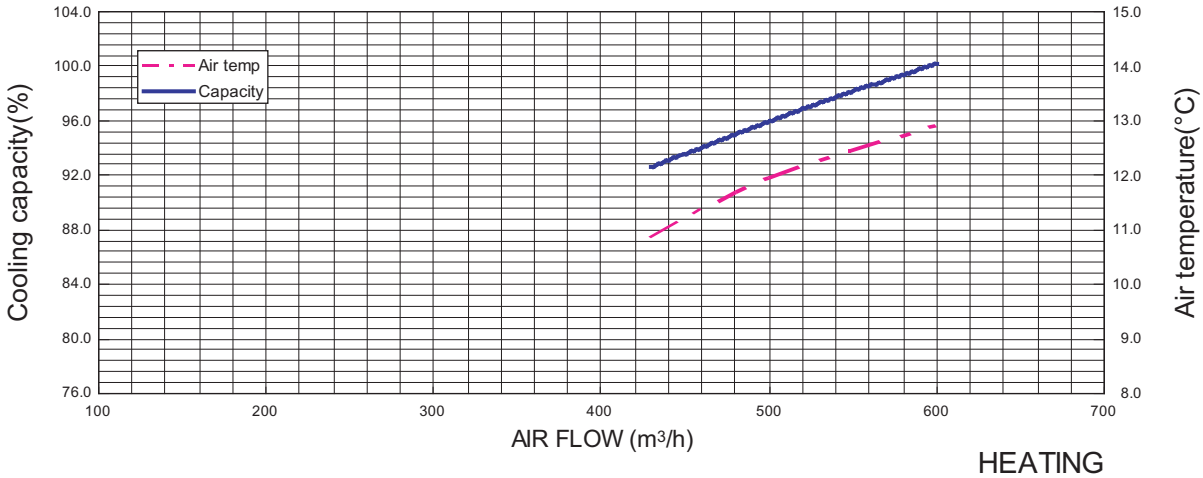
■MODEL : AR∗12L

			Static pressure (Pa)		
			0	20	40
FAN SPEED	Hi	m^3/h	600	510	450
		l/s	167	142	125
		CFM	353	300	265
	Med	m^3/h	500	425	375
		l/s	139	118	104
		CFM	294	250	221
	Low	m^3/h	430	366	323
		l/s	119	102	90
		CFM	253	215	190

Q-h Characteristic curve



COOLING



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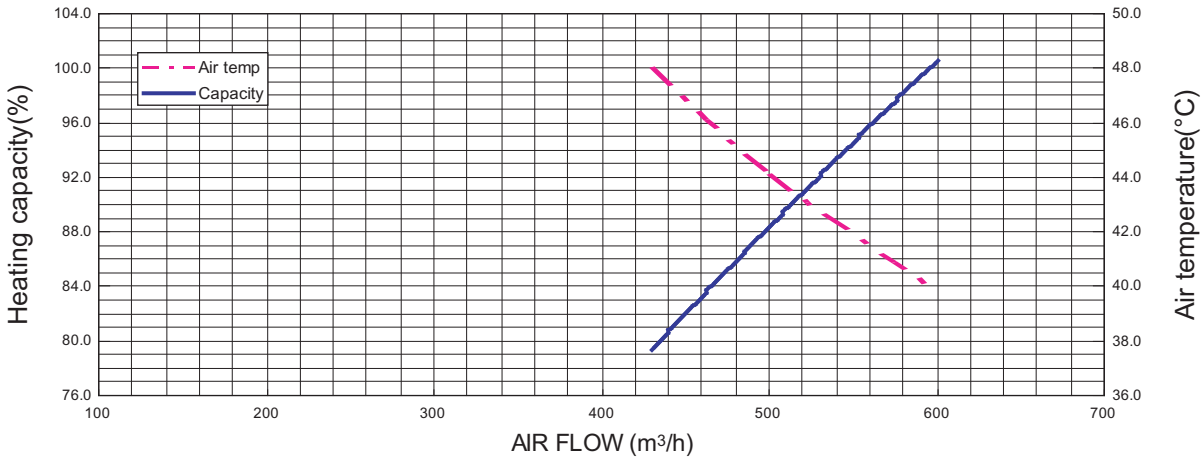
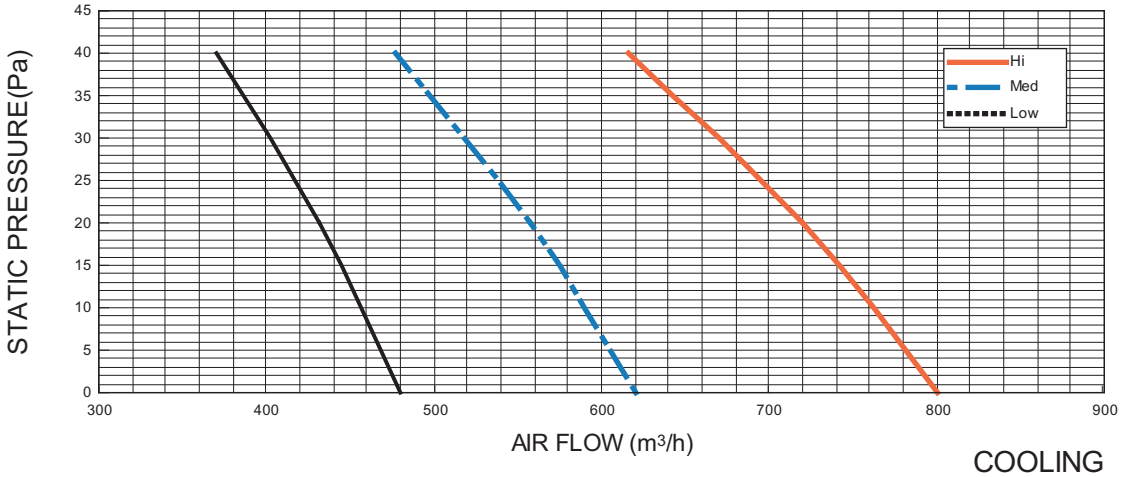


MULTI TYPE
2ROOM TYPE

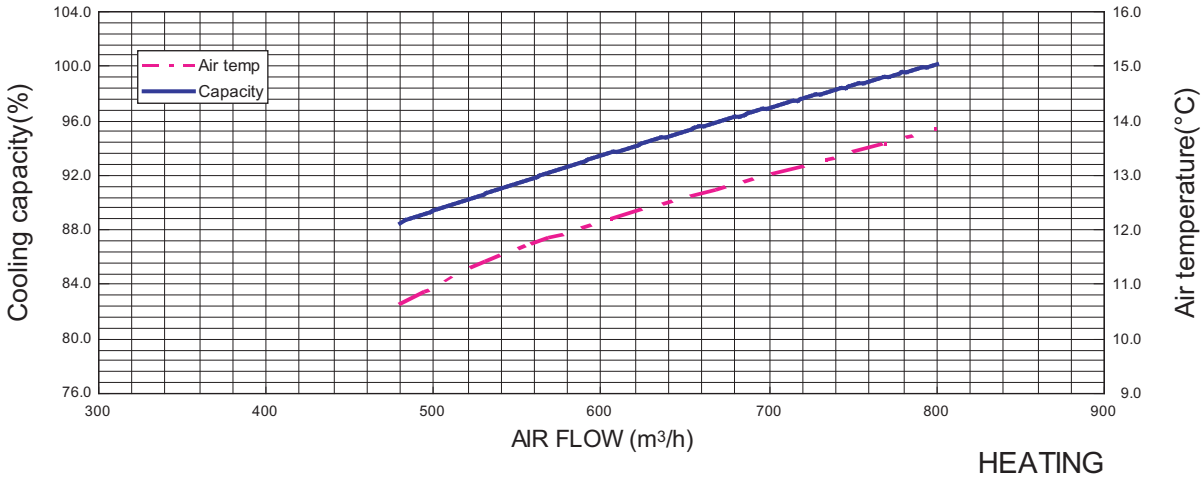
■MODEL : AR∗14L

			Static pressure (Pa)		
			0	20	40
FAN SPEED	Hi	m^3/h	800	720	616
		l/s	222	200	171
		CFM	471	424	363
	Med	m^3/h	620	558	477
		l/s	172	155	133
		CFM	365	328	281
	Low	m^3/h	480	432	370
		l/s	133	120	103
		CFM	283	254	218

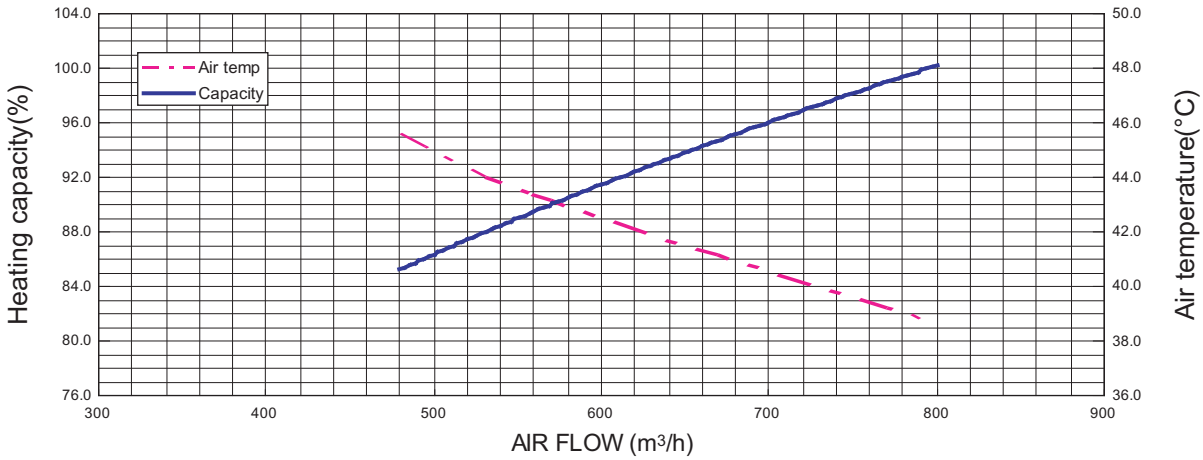
Q-h Characteristic curve



COOLING



HEATING

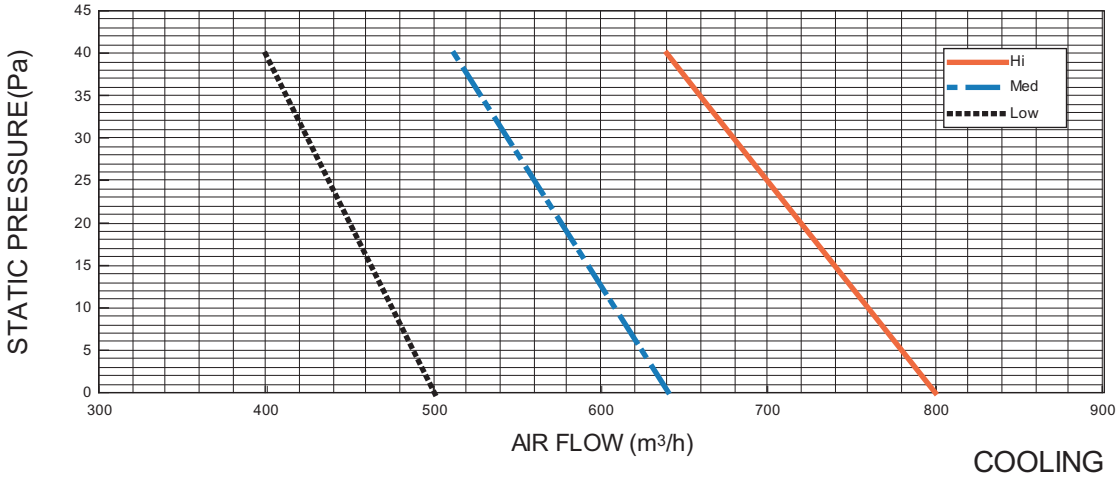


MULTI TYPE
2ROOM TYPE

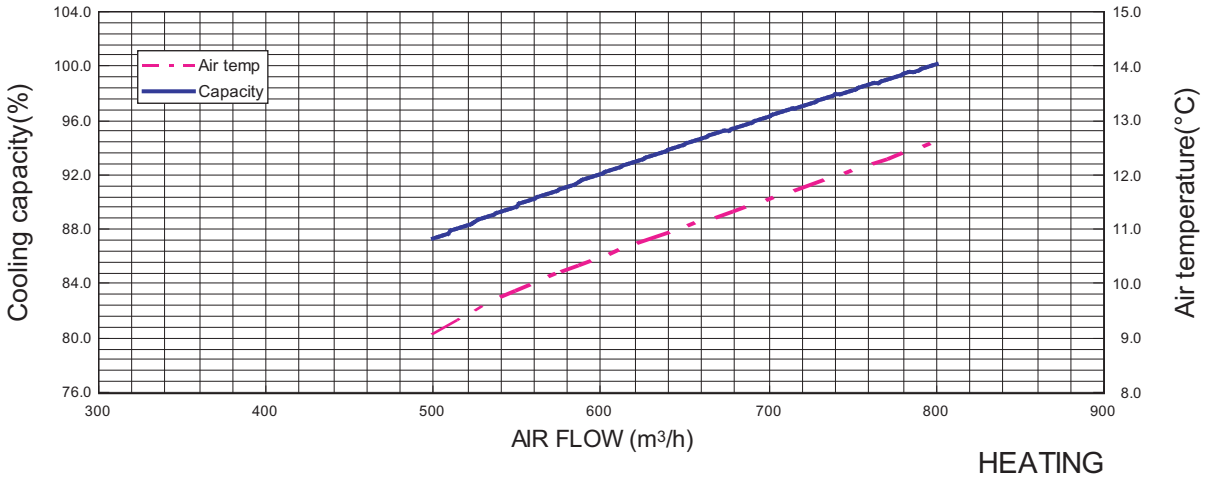
■MODEL : AR＊18L

			Static pressure (Pa)		
			0	20	40
FAN SPEED	Hi	m^3/h	800	720	640
		l/s	222	200	178
		CFM	471	424	377
	Med	m^3/h	640	576	512
		l/s	178	160	142
		CFM	377	339	301
	Low	m^3/h	500	450	400
		l/s	139	125	111
		CFM	294	265	235

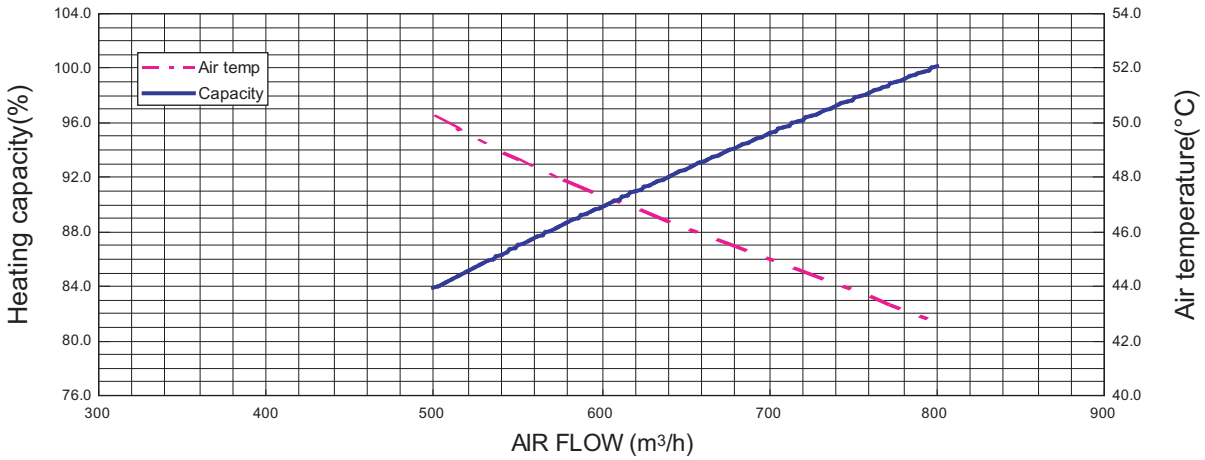
Q-h Characteristic curve



COOLING



HEATING



MULTI TYPE
2ROOM TYPE

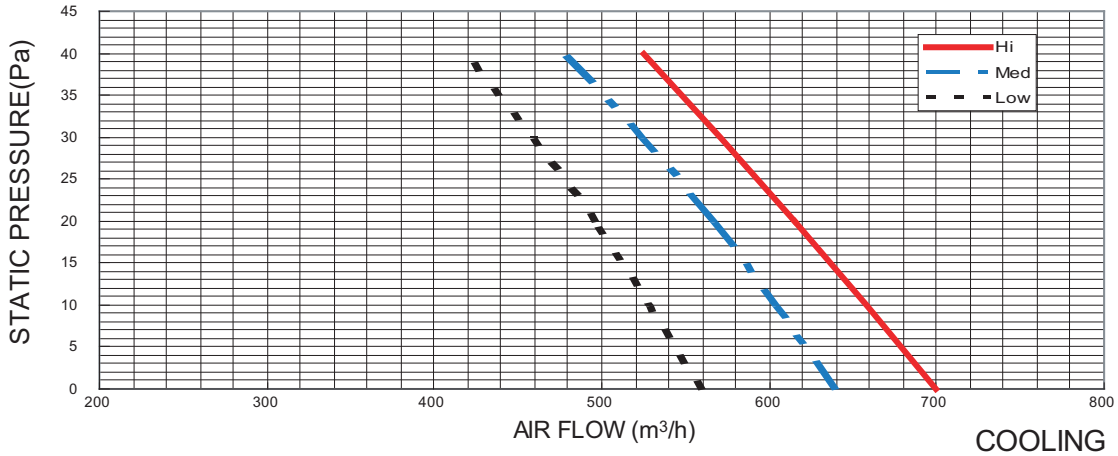
7-1-2. HIGH PRESSURE MODE

For AR∗9L models, HIGH PRESSURE MODE is not available.

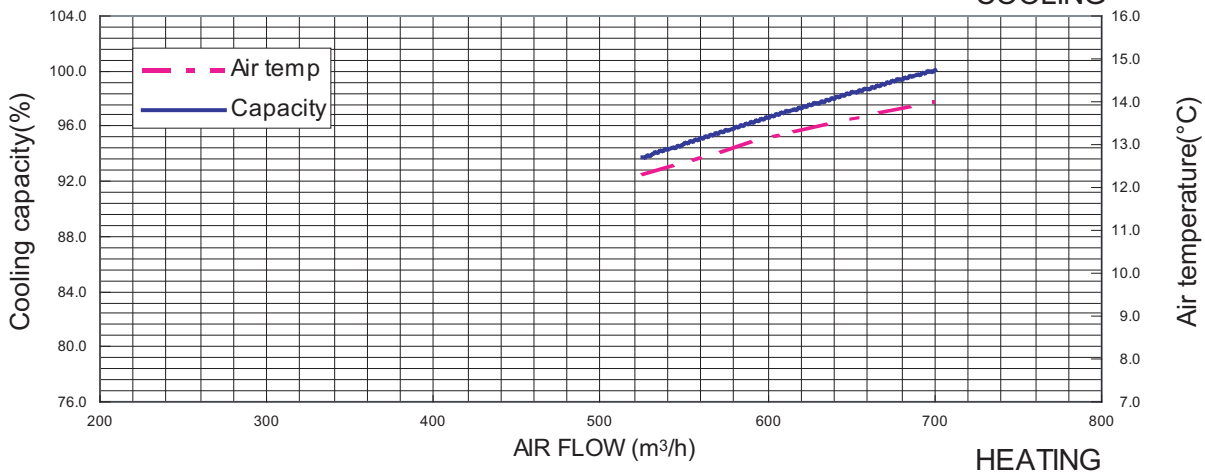
■MODEL : AR∗12L

			Static pressure (Pa)		
			0	20	40
FAN SPEED	Hi	m^3/h	700	616	525
		l/s	194	171	146
		CFM	412	363	309
	Med	m^3/h	640	568	480
		l/s	178	158	133
		CFM	377	335	283
	Low	m^3/h	560	497	420
		l/s	156	138	117
		CFM	330	293	247

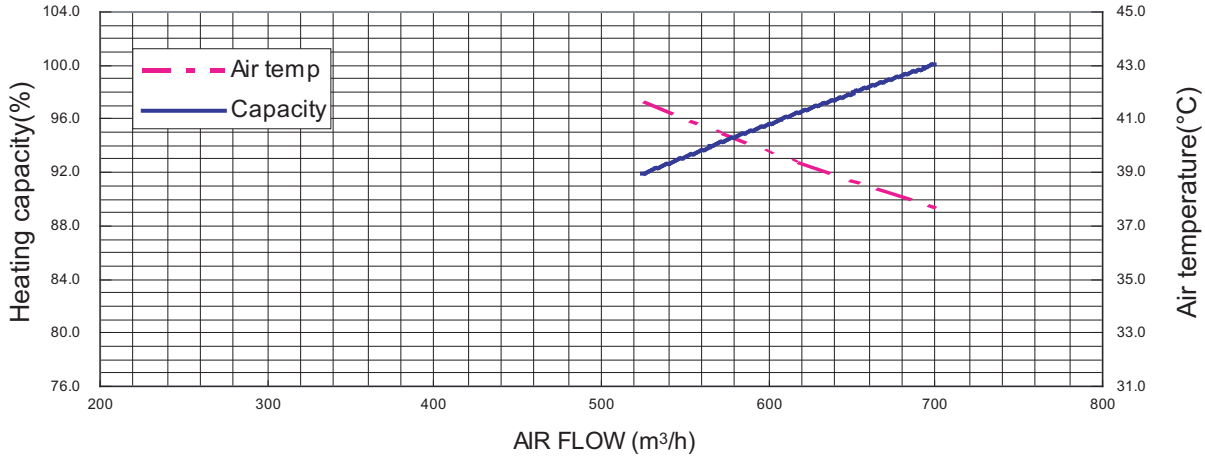
Q-h Characteristic curve



COOLING



HEATING

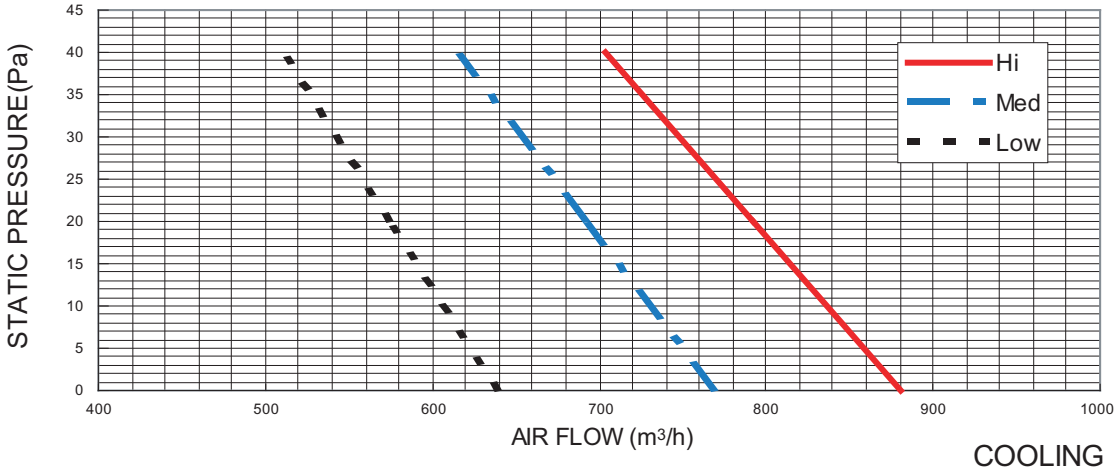


MULTI TYPE
2ROOM TYPE

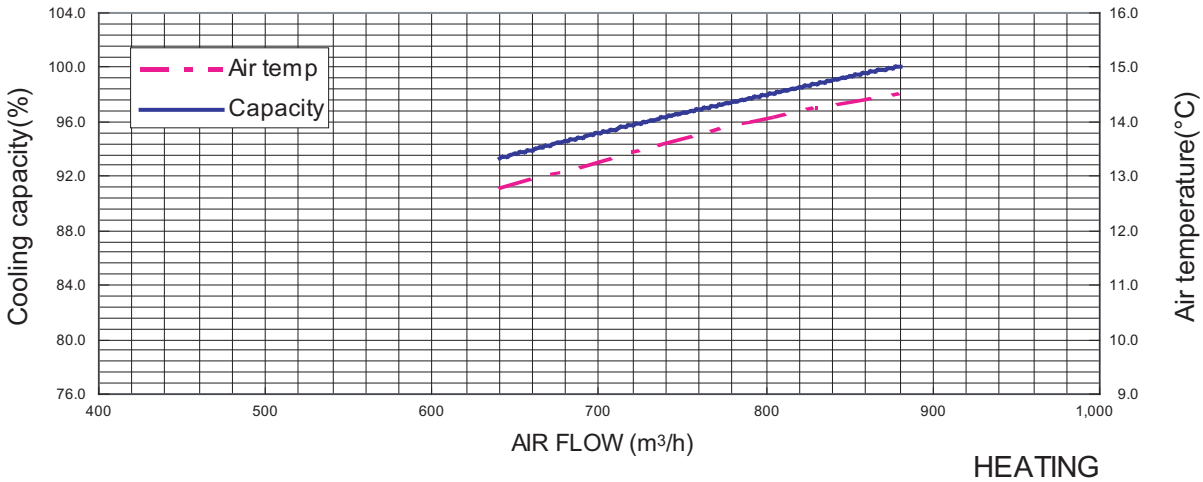
■ MODEL : AR ✳14L

			Static pressure (Pa)		
			0	20	40
FAN SPEED	Hi	m^3/h	880	792	704
		l/s	244	220	196
		CFM	518	466	414
	Med	m^3/h	770	693	616
		l/s	214	193	171
		CFM	453	408	363
	Low	m^3/h	640	576	512
		l/s	178	160	142
		CFM	377	339	301

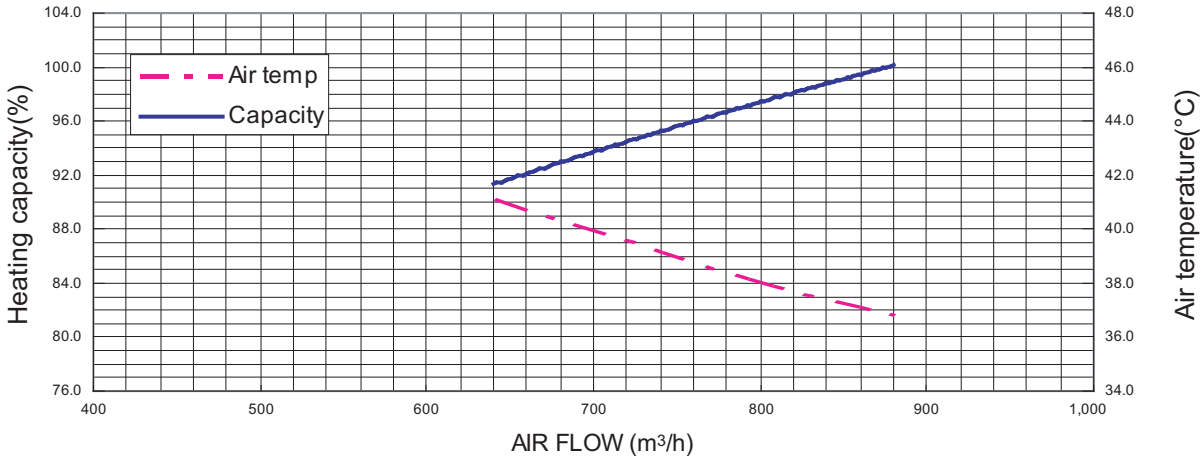
Q-h Characteristic curve



COOLING



HEATING

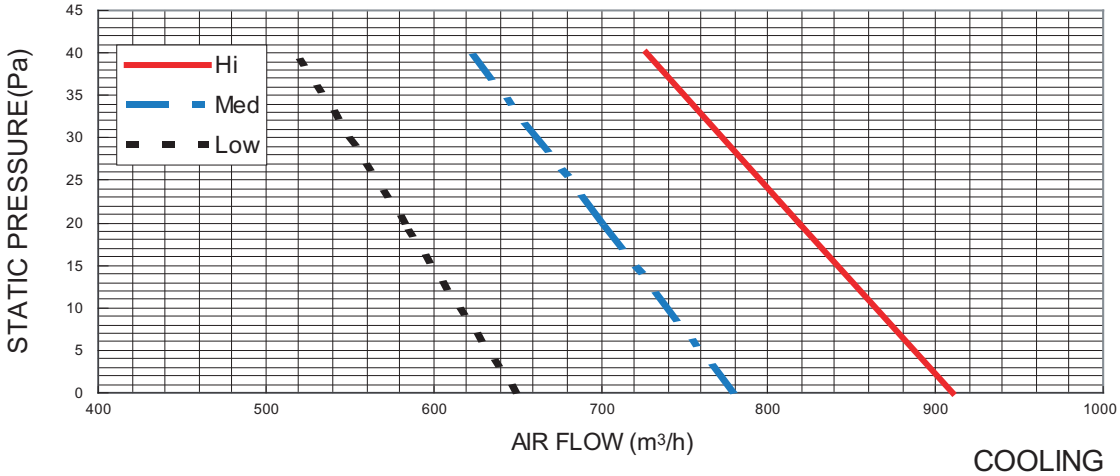


MULTI TYPE
2ROOM TYPE

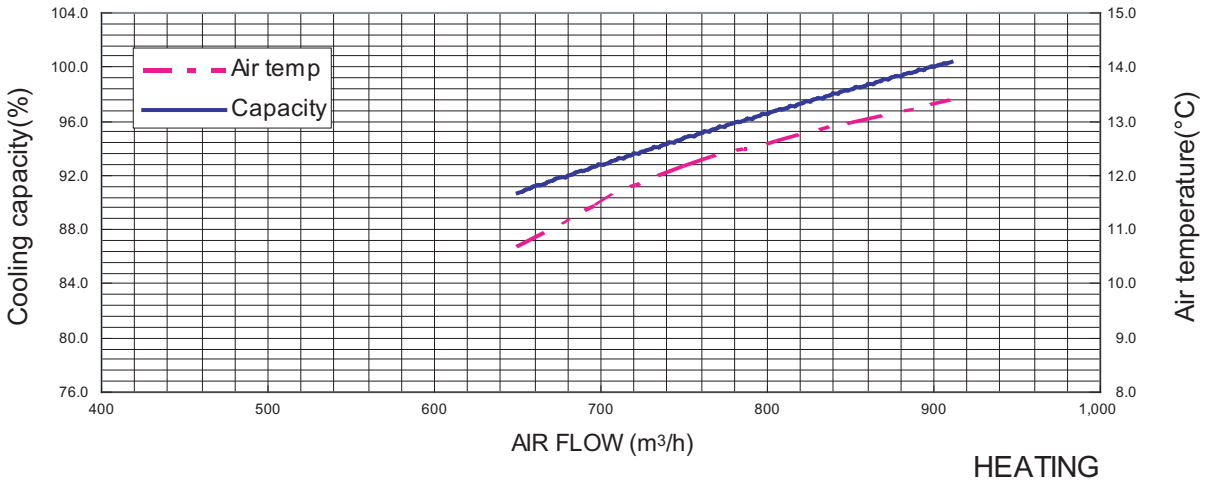
■MODEL : AR＊18L

			Static pressure (Pa)		
			0	20	40
FAN SPEED	Hi	m^3/h	910	819	728
		l/s	253	228	202
		CFM	536	482	428
	Med	m^3/h	780	702	624
		l/s	217	195	173
		CFM	459	413	367
	Low	m^3/h	650	585	520
		l/s	181	163	144
		CFM	383	344	306

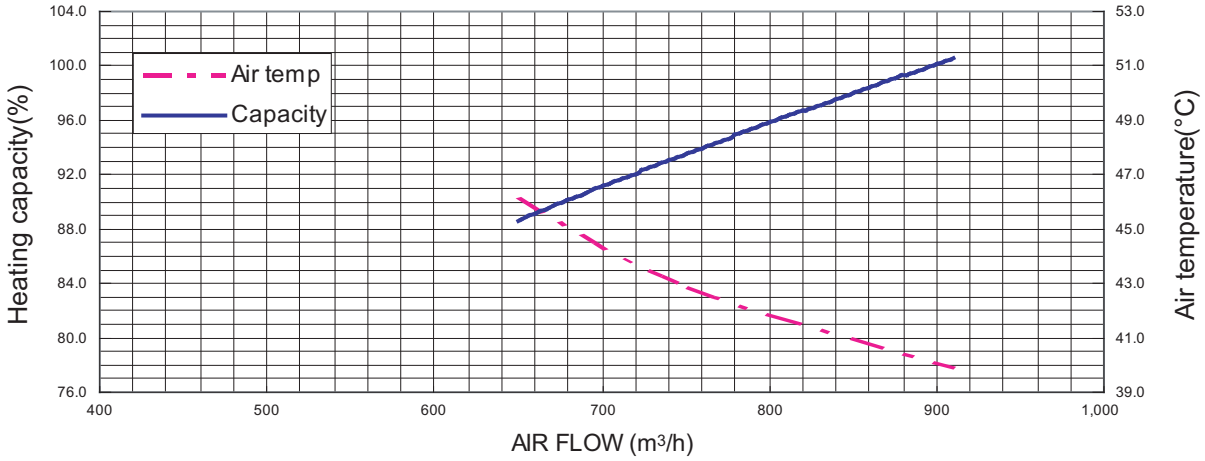
Q-h Characteristic curve



COOLING



HEATING



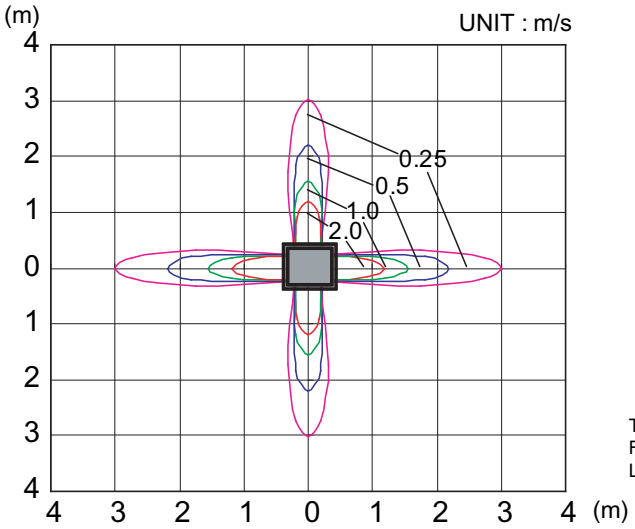
MULTI TYPE
2ROOM TYPE

7-2. AIR VELOCITY DISTRIBUTION

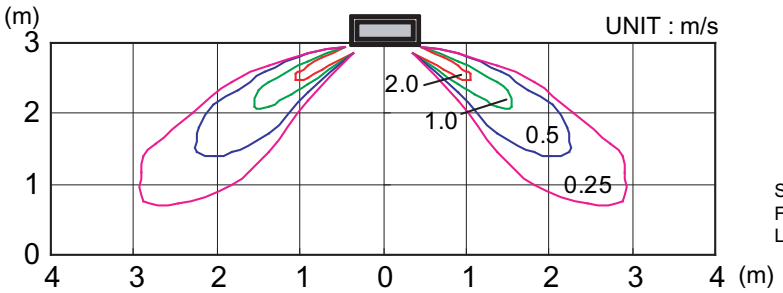
7-2-1. CASSETTE MODEL

■MODELS : AU∗12L, AU∗14L

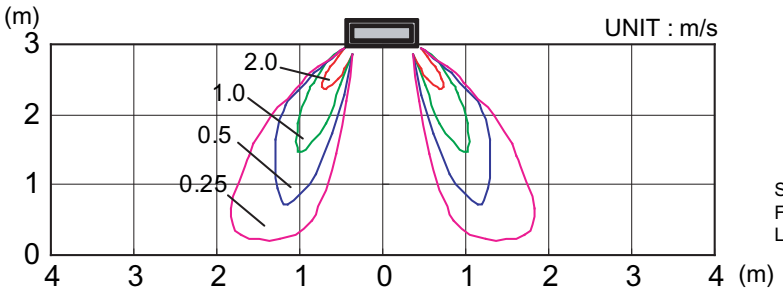
● 4-WAY AIR OUTLET



TOP VIEW
FLOW CONTROL PANEL : Upward
LOUVER : Center

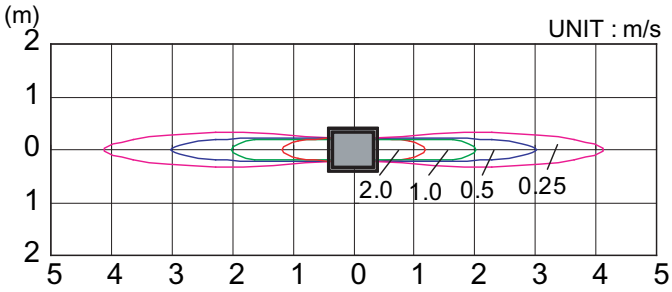


SIDE VIEW
FLOW CONTROL PANEL : Upward
LOUVER : Center

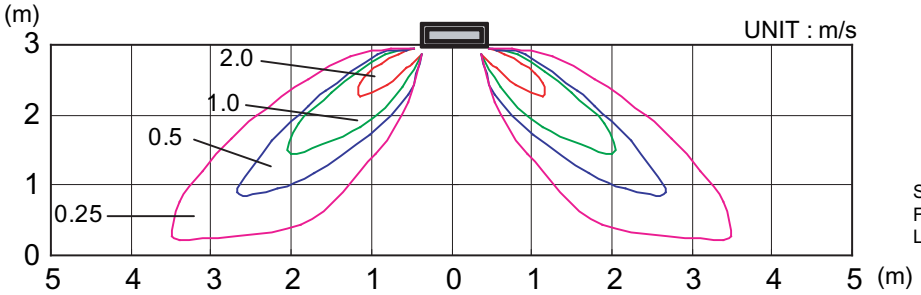


SIDE VIEW
FLOW CONTROL PANEL : Downward
LOUVER : Center

● 2-WAY AIR OUTLET



TOP VIEW
FLOW CONTROL PANEL : Upward
LOUVER : Center

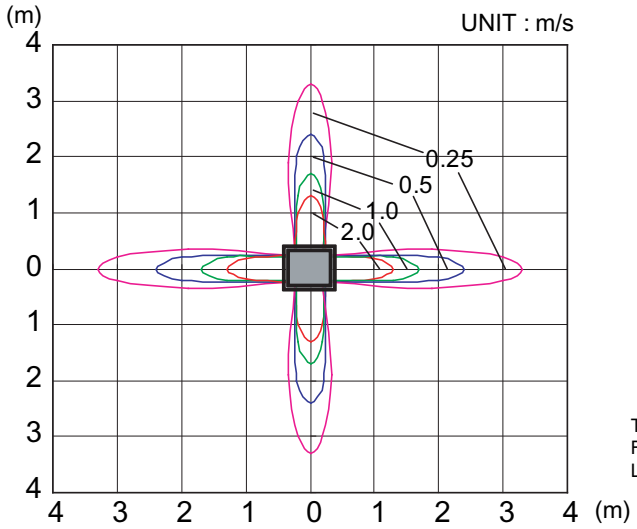


SIDE VIEW
FLOW CONTROL PANEL : Upward
LOUVER : Center

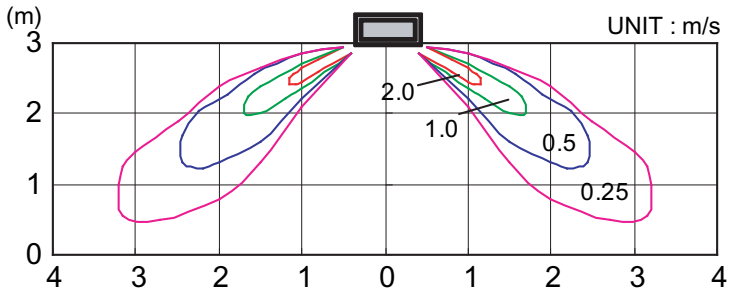
MULTI TYPE
2ROOM TYPE

■MODEL : AU∗18L

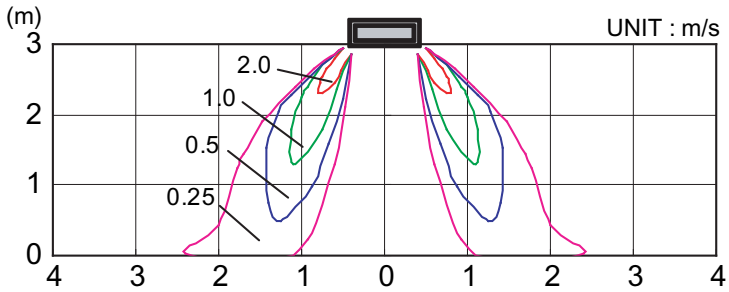
●4-WAY AIR OUTLET



TOP VIEW
FLOW CONTROL PANEL : Upward
LOUVER : Center

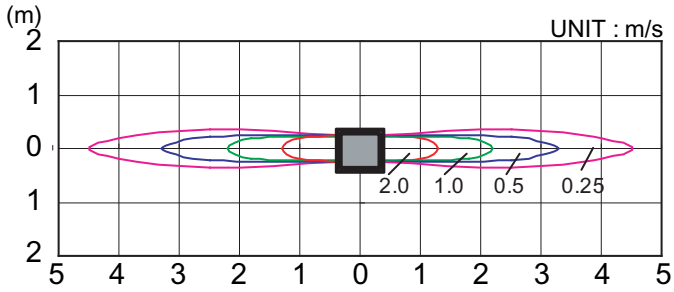


SIDE VIEW
FLOW CONTROL PANEL : Upward
LOUVER : Center

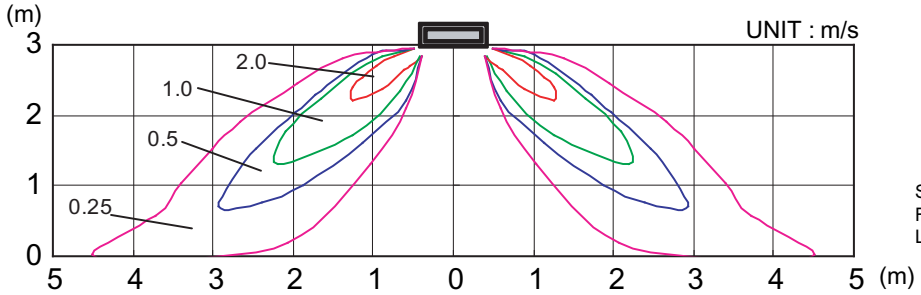


SIDE VIEW
FLOW CONTROL PANEL : Downward
LOUVER : Center

●2-WAY AIR OUTLET



TOP VIEW
FLOW CONTROL PANEL : Upward
LOUVER : Center



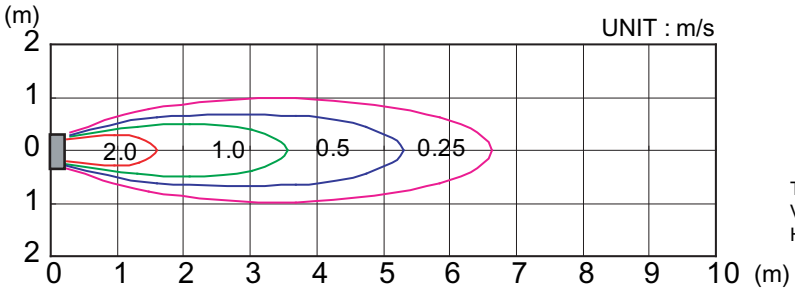
SIDE VIEW
FLOW CONTROL PANEL : Upward
LOUVER : Center

MULTI TYPE
2ROOM TYPE

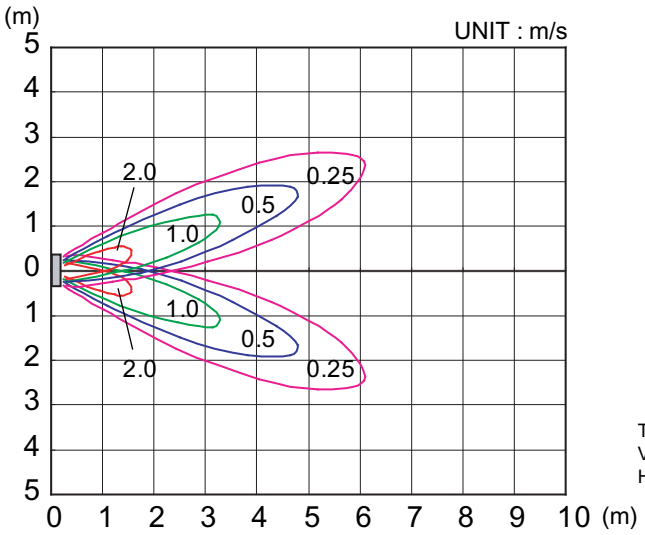
7-2-2. UNIVERSAL MODEL

■MODEL : AB∗14L

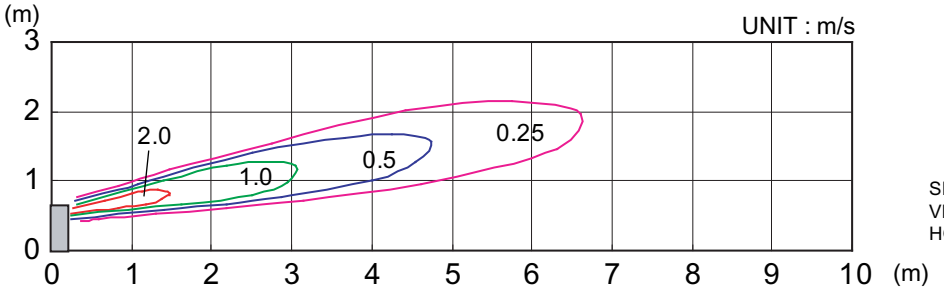
FLOOR CONSOLE



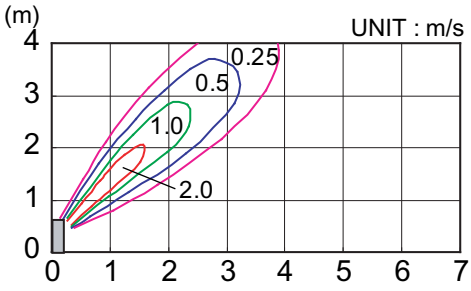
TOP VIEW
VERTICAL FLAP : Downward
HORIZONTAL FLAP : Center



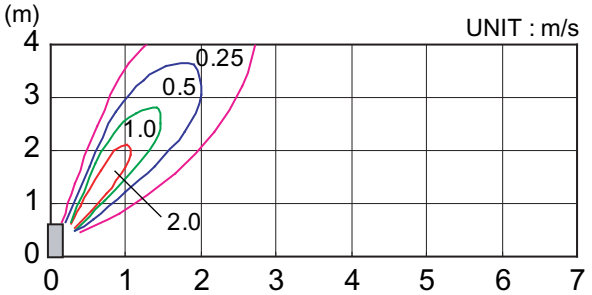
TOP VIEW
VERTICAL FLAP : Downward
HORIZONTAL FLAP : Right & Left



SIDE VIEW
VERTICAL FLAP : Downward
HORIZONTAL FLAP : Center



SIDE VIEW
VERTICAL FLAP : Center
HORIZONTAL FLAP : Center

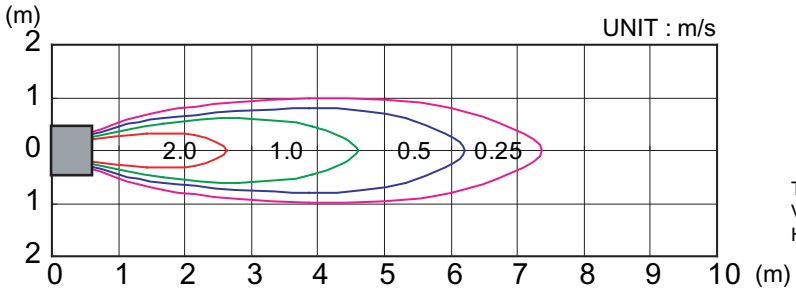


SIDE VIEW
VERTICAL FLAP : Upward
HORIZONTAL FLAP : Center

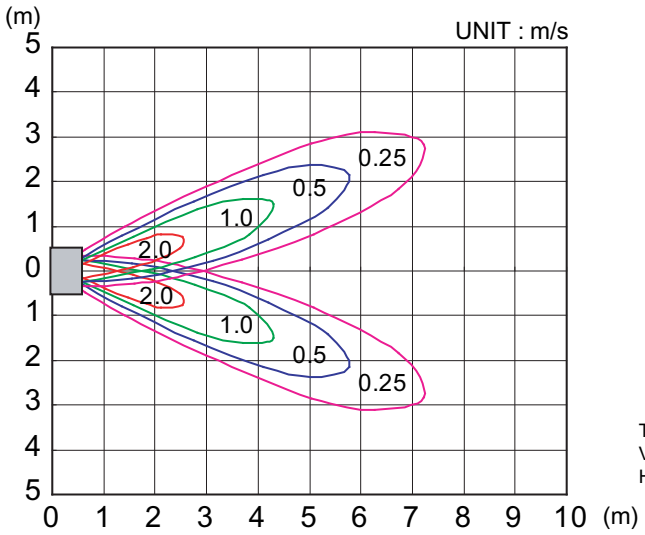
MULTI TYPE
2ROOM TYPE

■MODEL : AB∗14L

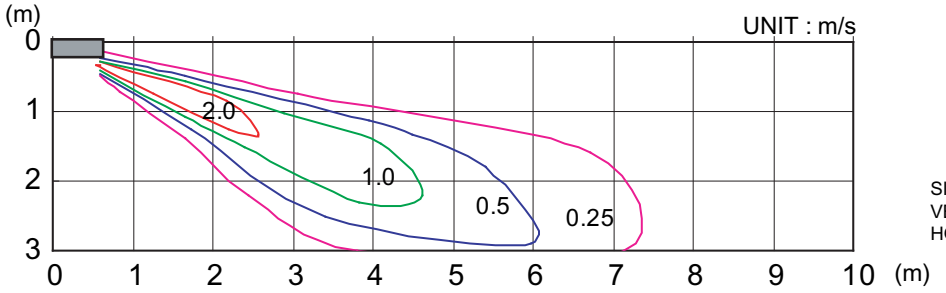
UNDER CEILING



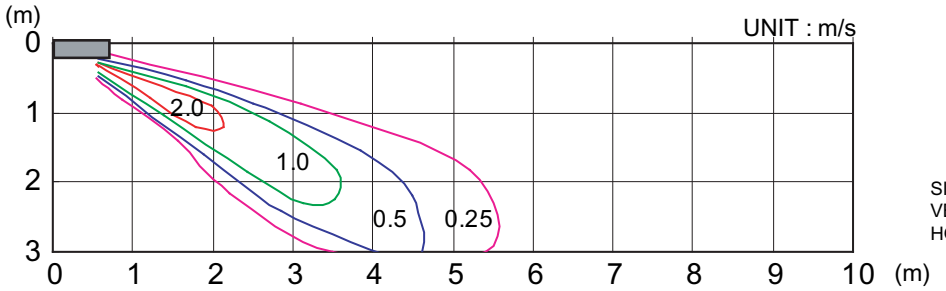
TOP VIEW
VERTICAL FLAP : Upward
HORIZONTAL FLAP : Center



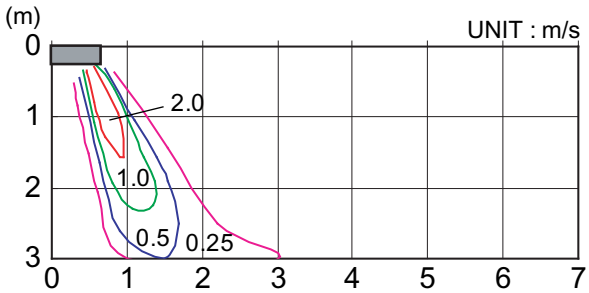
TOP VIEW
VERTICAL FLAP : Upward
HORIZONTAL FLAP : Right & Left



SIDE VIEW
VERTICAL FLAP : Upward
HORIZONTAL FLAP : Center



SIDE VIEW
VERTICAL FLAP : Center
HORIZONTAL FLAP : Center

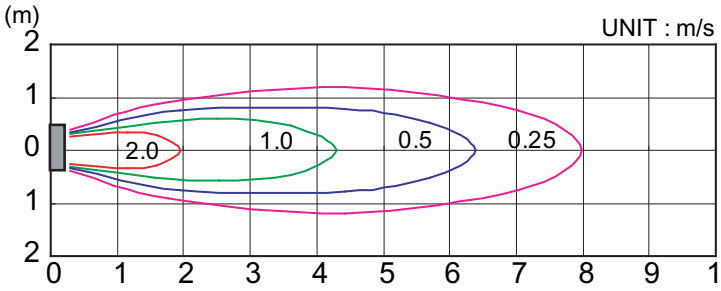


SIDE VIEW
VERTICAL FLAP : Downward
HORIZONTAL FLAP : Center

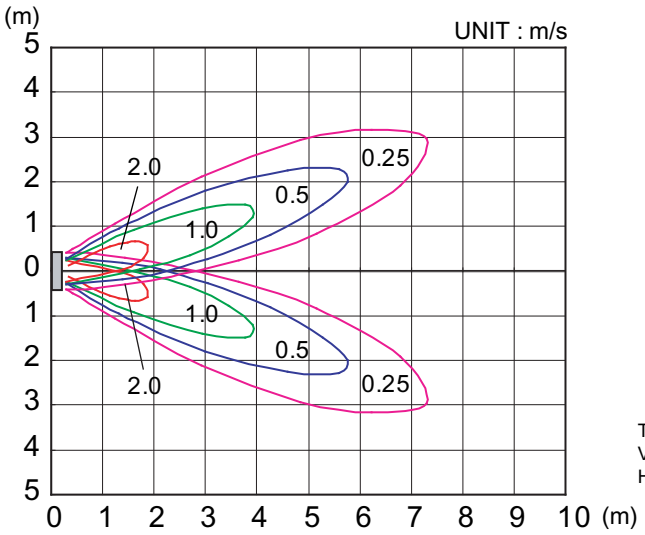
MULTI TYPE
2ROOM TYPE

■MODEL : AB∗18L

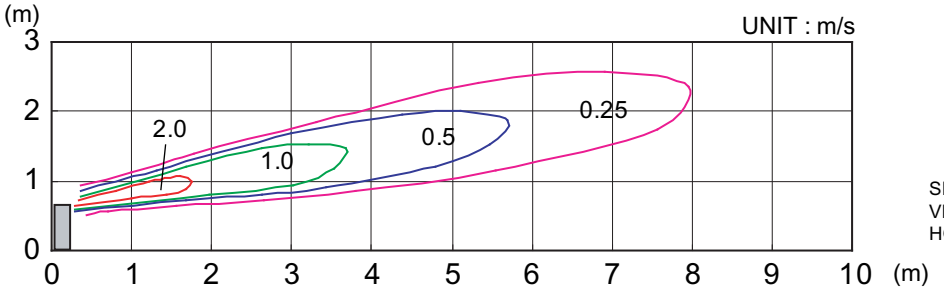
FLOOR CONSOLE



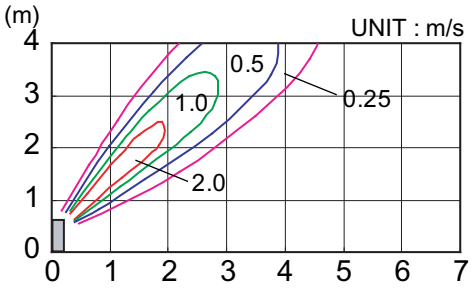
TOP VIEW
VERTICAL FLAP : Downward
HORIZONTAL FLAP : Center



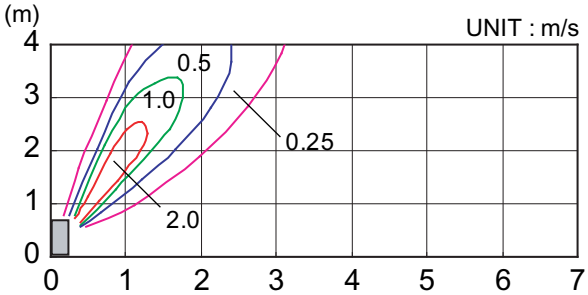
TOP VIEW
VERTICAL FLAP : Downward
HORIZONTAL FLAP : Right & Left



SIDE VIEW
VERTICAL FLAP : Downward
HORIZONTAL FLAP : Center



SIDE VIEW
VERTICAL FLAP : Center
HORIZONTAL FLAP : Center

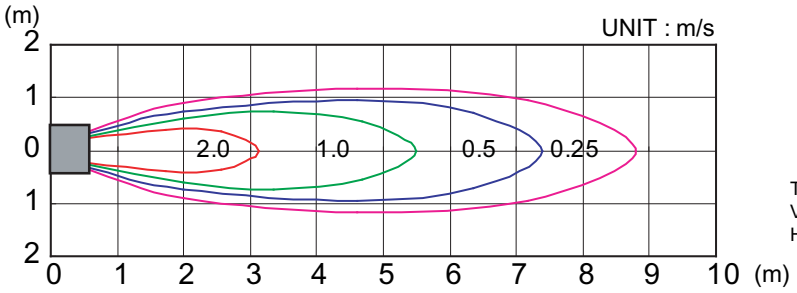


SIDE VIEW
VERTICAL FLAP : Upward
HORIZONTAL FLAP : Center

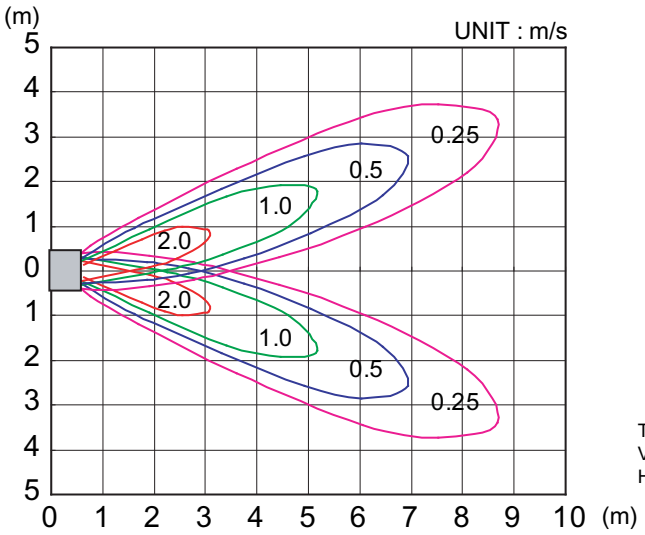
MULTI TYPE
2ROOM TYPE

■MODEL : AB∗18L

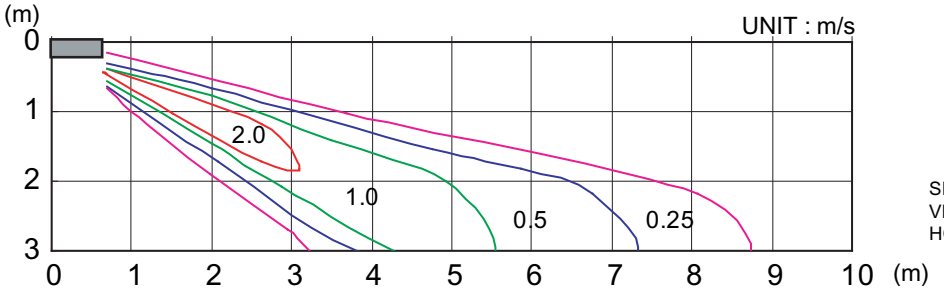
UNDER CEILING



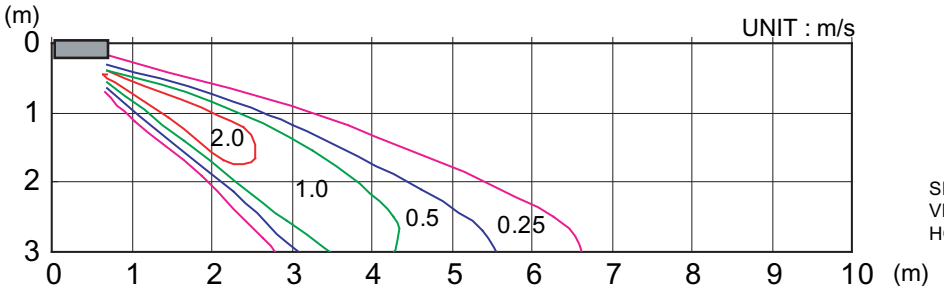
TOP VIEW
VERTICAL FLAP : Upward
HORIZONTAL FLAP : Center



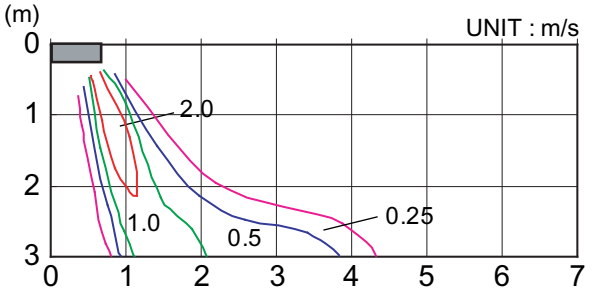
TOP VIEW
VERTICAL FLAP : Upward
HORIZONTAL FLAP : Right & Left



SIDE VIEW
VERTICAL FLAP : Upward
HORIZONTAL FLAP : Center



SIDE VIEW
VERTICAL FLAP : Center
HORIZONTAL FLAP : Center

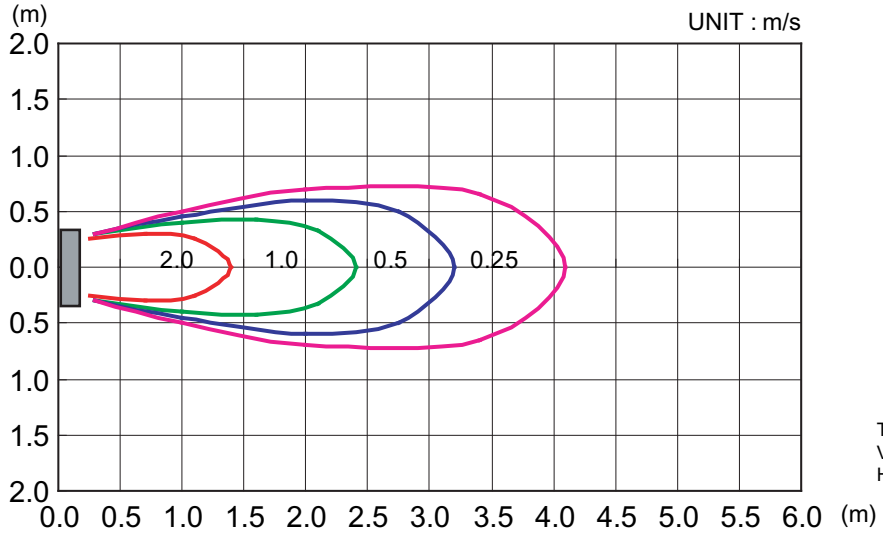


SIDE VIEW
VERTICAL FLAP : Downward
HORIZONTAL FLAP : Center

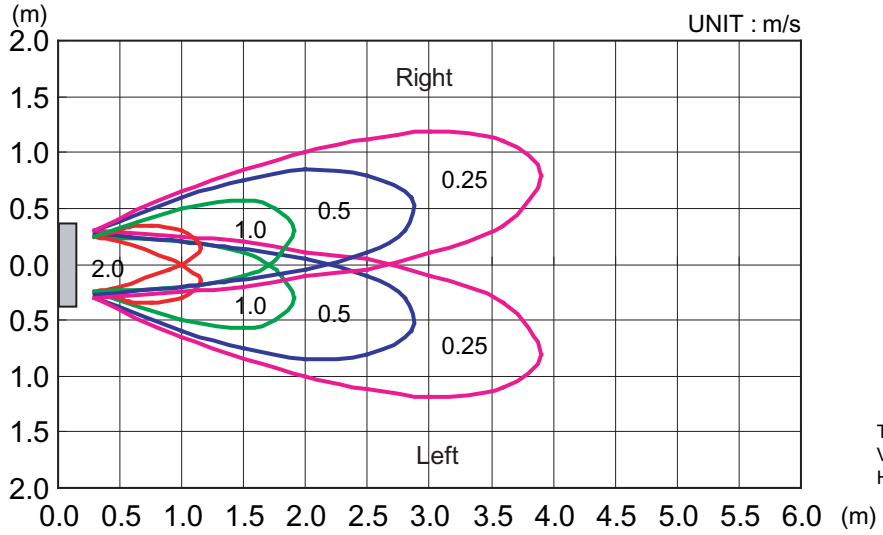
MULTI TYPE
2ROOM TYPE

7-2-3. WALL MOUNTED MODEL

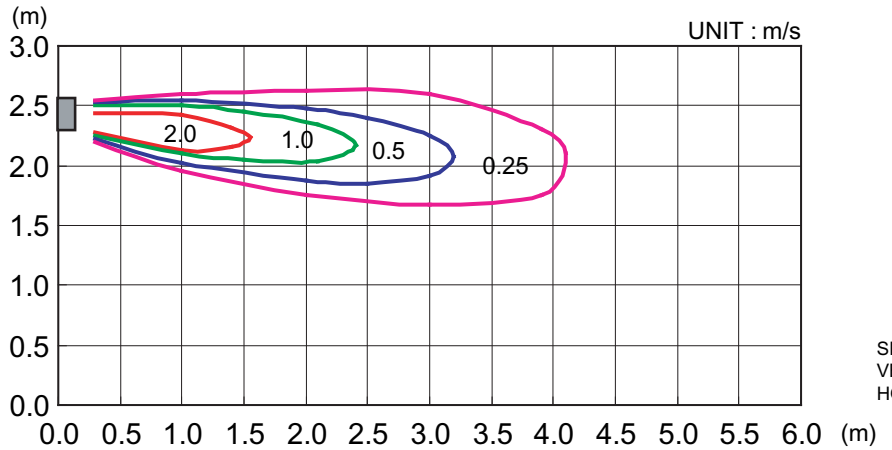
■MODEL : AS∗7L



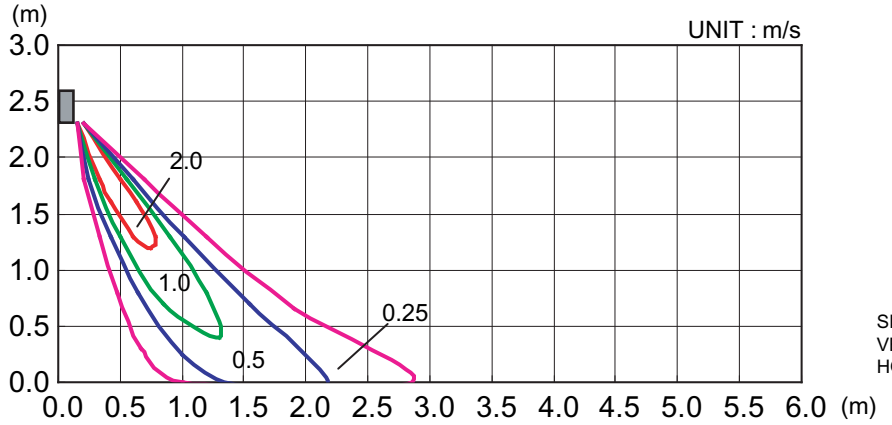
TOP VIEW
VERTICAL FLAP : Upward
HORIZONTAL FLAP : Center



TOP VIEW
VERTICAL FLAP : Upward
HORIZONTAL FLAP : Right & Left



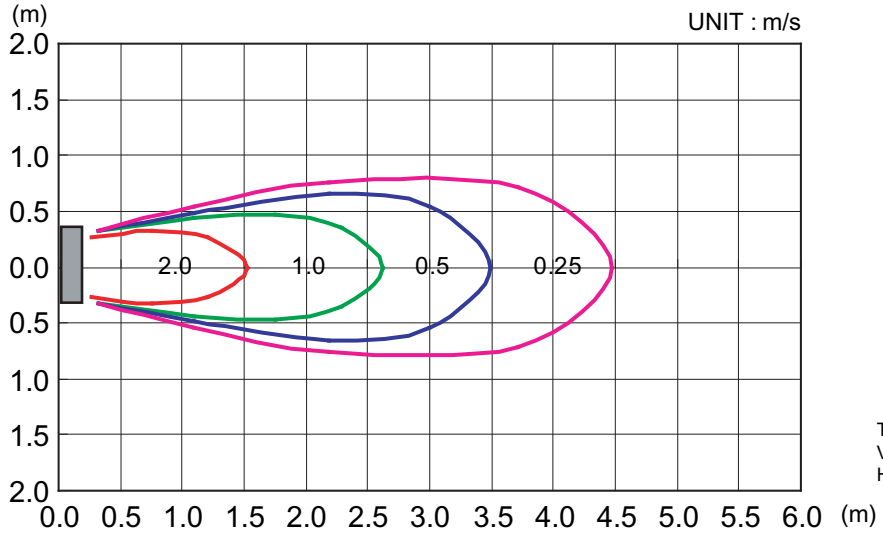
SIDE VIEW
VERTICAL FLAP : Upward
HORIZONTAL FLAP : Center



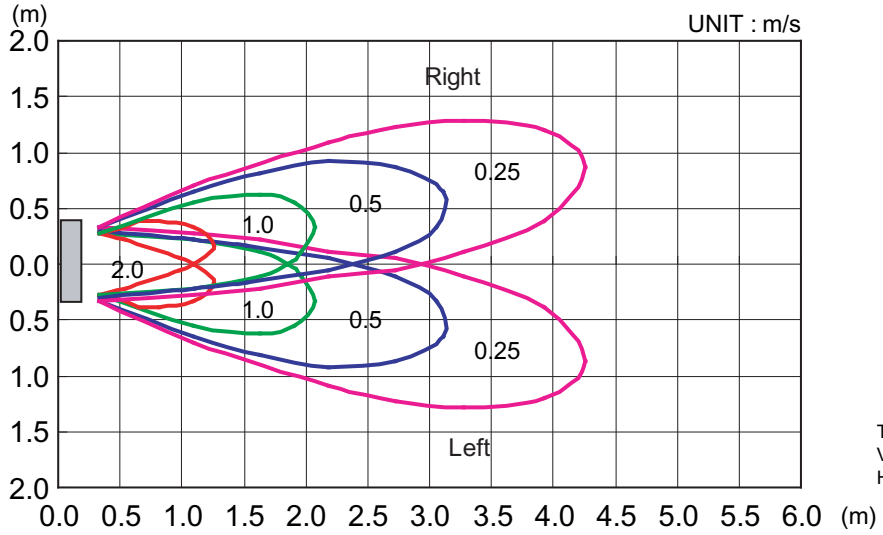
SIDE VIEW
VERTICAL FLAP : Downward
HORIZONTAL FLAP : Center

MULTI TYPE
2ROOM TYPE

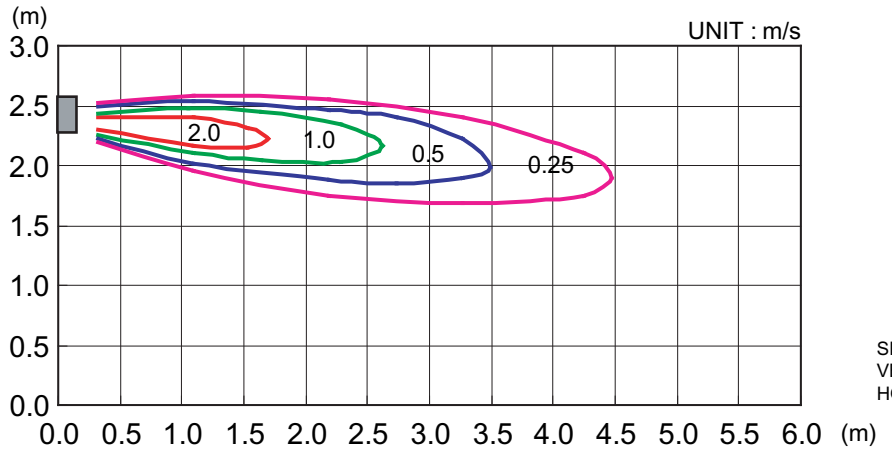
■MODEL : AS∗9L



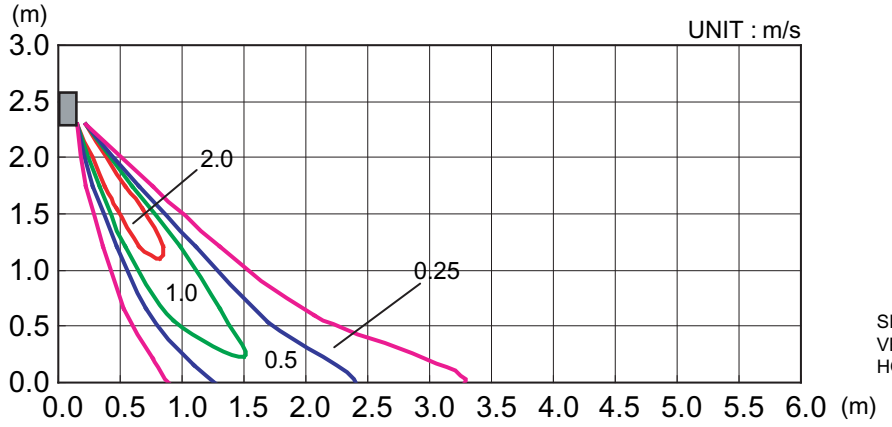
TOP VIEW
VERTICAL FLAP : Upward
HORIZONTAL FLAP : Center



TOP VIEW
VERTICAL FLAP : Upward
HORIZONTAL FLAP : Right & Left



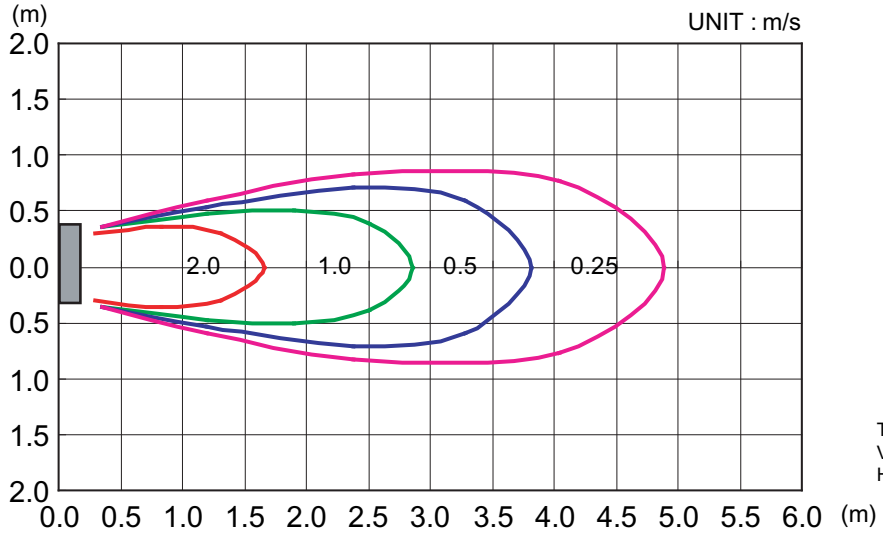
SIDE VIEW
VERTICAL FLAP : Upward
HORIZONTAL FLAP : Center



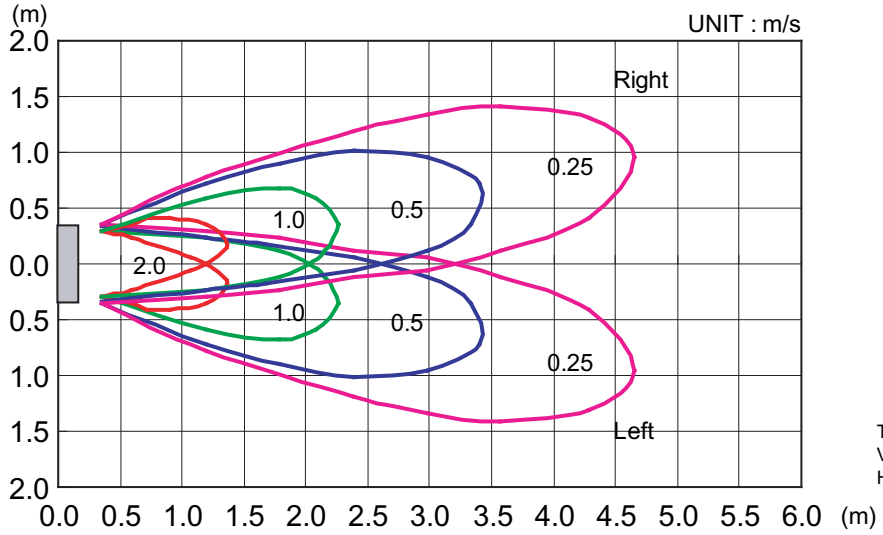
SIDE VIEW
VERTICAL FLAP : Downward
HORIZONTAL FLAP : Center

MULTI TYPE
2ROOM TYPE

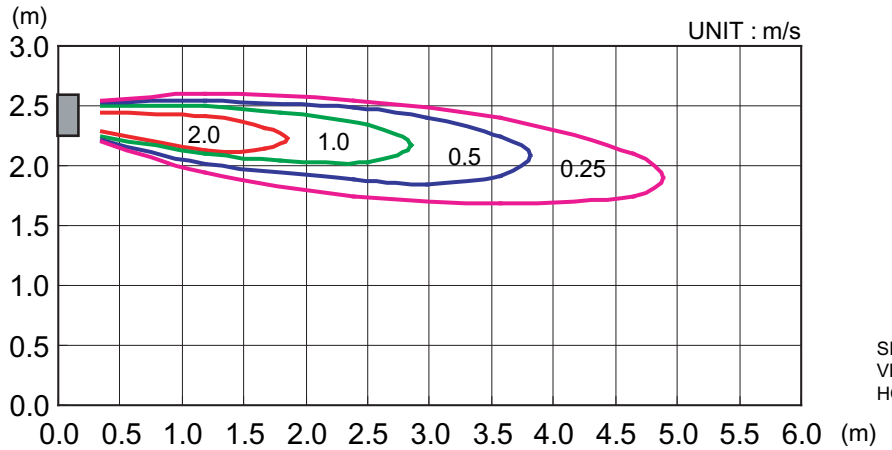
■MODEL : AS∗12L



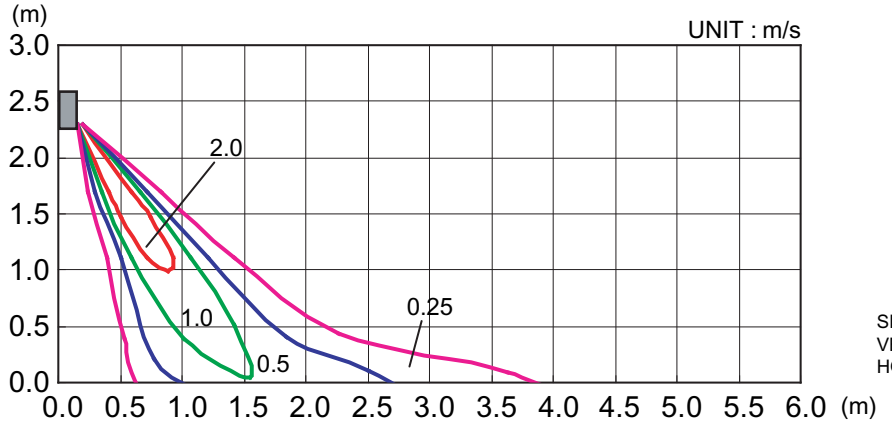
TOP VIEW
VERTICAL FLAP : Upward
HORIZONTAL FLAP : Center



TOP VIEW
VERTICAL FLAP : Upward
HORIZONTAL FLAP : Right & Left



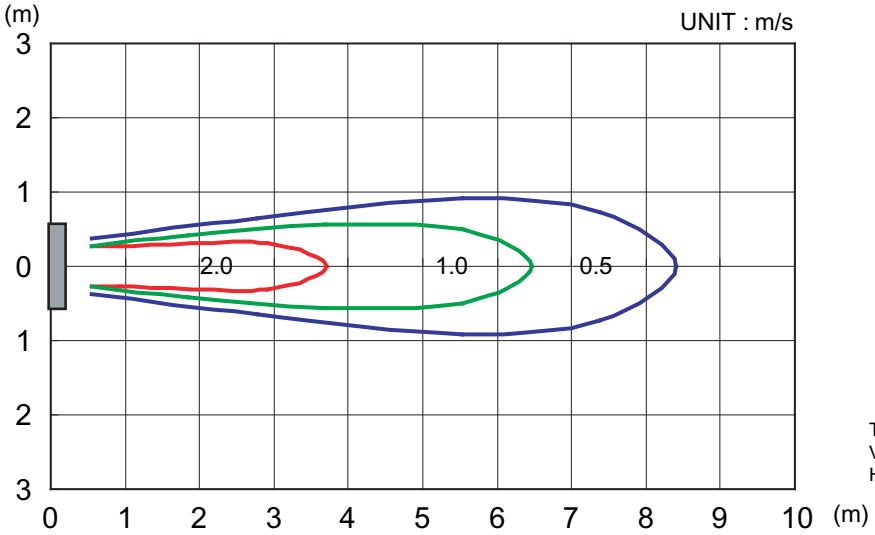
SIDE VIEW
VERTICAL FLAP : Upward
HORIZONTAL FLAP : Center



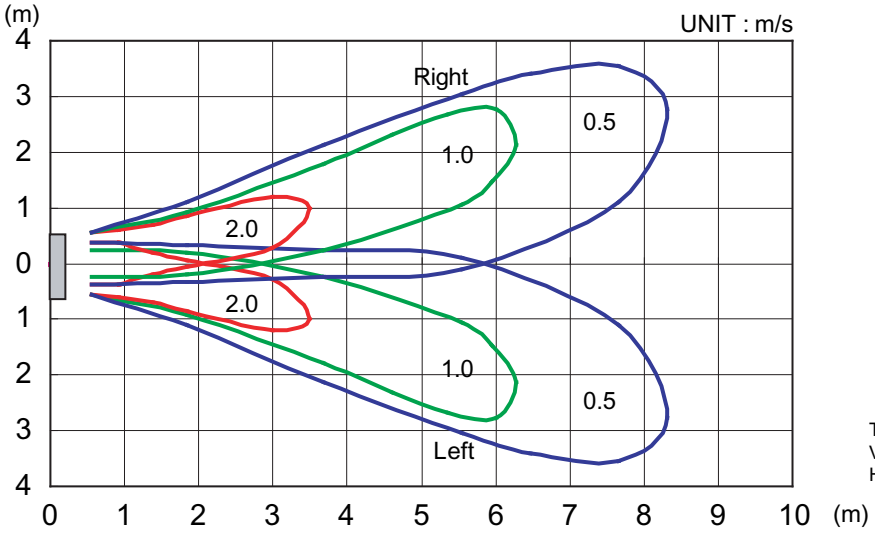
SIDE VIEW
VERTICAL FLAP : Downward
HORIZONTAL FLAP : Center

MULTI TYPE
2ROOM TYPE

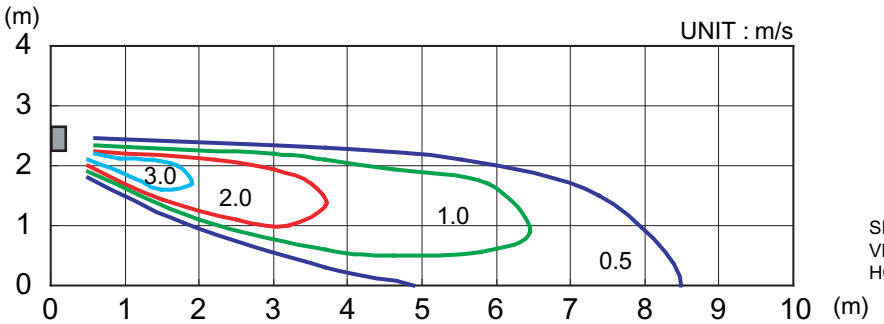
■MODEL : AS∗18L



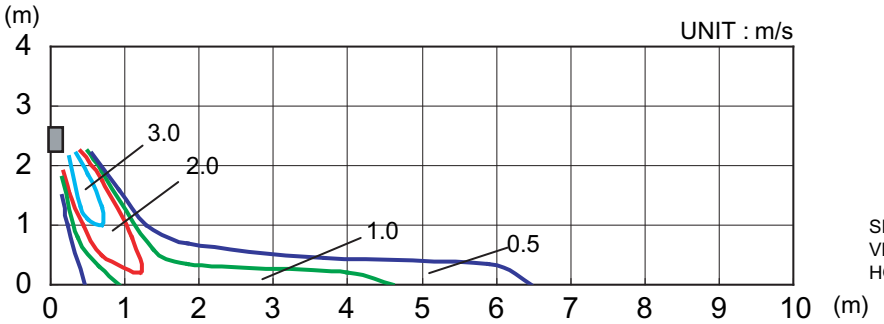
TOP VIEW
VERTICAL FLAP : Upward
HORIZONTAL FLAP : Center



TOP VIEW
VERTICAL FLAP : Upward
HORIZONTAL FLAP : Right & Left



SIDE VIEW
VERTICAL FLAP : Upward
HORIZONTAL FLAP : Center



SIDE VIEW
VERTICAL FLAP : Downward
HORIZONTAL FLAP : Center

MULTI TYPE
2ROOM TYPE

7-3. AIR FLOW

7-3-1. CASSETTE MODEL

■MODELS : AU∗12L, AU∗14L

●COOLING

FAN SPEED	NUMBER OF ROTATIONS (r.p.m)	AIR FLOW	
HIGH	730	m^3/h	550
		l/s	153
		CFM	324
MED	670	m^3/h	500
		l/s	139
		CFM	294
LOW	590	m^3/h	440
		l/s	122
		CFM	259

●HEATING

FAN SPEED	NUMBER OF ROTATIONS (r.p.m)	AIR FLOW	
HIGH	730	m^3/h	550
		l/s	153
		CFM	324
MED	670	m^3/h	500
		l/s	139
		CFM	294
LOW	590	m^3/h	440
		l/s	122
		CFM	259

MULTI TYPE
2ROOM TYPE

■MODEL : AU∗18L

●COOLING

FAN SPEED	NUMBER OF ROTATIONS (r.p.m)	AIR FLOW	
HIGH	800	m^3/h	620
		l/s	172
		CFM	365
MED	700	m^3/h	520
		l/s	144
		CFM	306
LOW	600	m^3/h	450
		l/s	125
		CFM	265

●HEATING

FAN SPEED	NUMBER OF ROTATIONS (r.p.m)	AIR FLOW	
HIGH	800	m^3/h	620
		l/s	172
		CFM	365
MED	700	m^3/h	520
		l/s	144
		CFM	306
LOW	600	m^3/h	450
		l/s	125
		CFM	265

MULTI TYPE
2ROOM TYPE

7-3-2. UNIVERSAL MODEL

■MODEL : AB∗14L

●COOLING

FAN SPEED	NUMBER OF ROTATIONS (r.p.m)	AIR FLOW	
HIGH	850	m^3/h	640
		l/s	178
		CFM	377
MED	760	m^3/h	560
		l/s	156
		CFM	330
LOW	670	m^3/h	480
		l/s	133
		CFM	282

●HEATING

FAN SPEED	NUMBER OF ROTATIONS (r.p.m)	AIR FLOW	
HIGH	850	m^3/h	640
		l/s	178
		CFM	377
MED	760	m^3/h	560
		l/s	156
		CFM	330
LOW	670	m^3/h	480
		l/s	133
		CFM	282

MULTI TYPE
2ROOM TYPE

■MODEL : AB∗18L

●COOLING

FAN SPEED	NUMBER OF ROTATIONS (r.p.m)	AIR FLOW	
HIGH	1030	m^3/h	780
		l/s	217
		CFM	459
MED	890	m^3/h	650
		l/s	181
		CFM	383
LOW	770	m^3/h	550
		l/s	153
		CFM	324

●HEATING

FAN SPEED	NUMBER OF ROTATIONS (r.p.m)	AIR FLOW	
HIGH	1030	m^3/h	780
		l/s	217
		CFM	459
MED	890	m^3/h	650
		l/s	181
		CFM	383
LOW	770	m^3/h	550
		l/s	153
		CFM	324

MULTI TYPE
2ROOM TYPE

7-3-3. WALL MOUNTED MODEL

■MODEL : AS∗7L

●COOLING

FAN SPEED	NUMBER OF ROTATIONS (r.p.m)	AIR FLOW	
HIGH	1100	m^3/h	430
		l/s	119
		CFM	253
MED	1050	m^3/h	400
		l/s	111
		CFM	235
LOW	1000	m^3/h	380
		l/s	106
		CFM	224
QUIET	950	m^3/h	350
		l/s	97
		CFM	206

●HEATING

FAN SPEED	NUMBER OF ROTATIONS (r.p.m)	AIR FLOW	
HIGH	1100	m^3/h	430
		l/s	119
		CFM	253
MED	1050	m^3/h	400
		l/s	111
		CFM	235
LOW	1000	m^3/h	380
		l/s	106
		CFM	224
QUIET	950	m^3/h	350
		l/s	97
		CFM	206

MULTI TYPE
2ROOM TYPE

■MODEL : AS＊9L

●COOLING

FAN SPEED	NUMBER OF ROTATIONS (r.p.m)	AIR FLOW	
HIGH	1200	m^3/h	470
		l/s	131
		CFM	277
MED	1100	m^3/h	430
		l/s	119
		CFM	253
LOW	1000	m^3/h	380
		l/s	106
		CFM	224
QUIET	940	m^3/h	350
		l/s	97
		CFM	206

●HEATING

FAN SPEED	NUMBER OF ROTATIONS (r.p.m)	AIR FLOW	
HIGH	1200	m^3/h	470
		l/s	131
		CFM	277
MED	1100	m^3/h	430
		l/s	119
		CFM	253
LOW	1000	m^3/h	380
		l/s	106
		CFM	224
QUIET	940	m^3/h	350
		l/s	97
		CFM	206

MULTI TYPE
2ROOM TYPE

■MODEL : AS∗12L

●COOLING

FAN SPEED	NUMBER OF ROTATIONS (r.p.m)	AIR FLOW	
HIGH	1310	m^3/h	520
		l/s	144
		CFM	306
MED	1260	m^3/h	470
		l/s	131
		CFM	277
LOW	1190	m^3/h	420
		l/s	117
		CFM	247
QUIET	1000	m^3/h	380
		l/s	106
		CFM	224

●HEATING

FAN SPEED	NUMBER OF ROTATIONS (r.p.m)	AIR FLOW	
HIGH	1310	m^3/h	520
		l/s	144
		CFM	306
MED	1260	m^3/h	470
		l/s	131
		CFM	277
LOW	1190	m^3/h	420
		l/s	117
		CFM	247
QUIET	1000	m^3/h	380
		l/s	106
		CFM	224

MULTI TYPE
2ROOM TYPE

■MODEL : AS∗18L

●COOLING

FAN SPEED	NUMBER OF ROTATIONS (r.p.m)	AIR FLOW	
HIGH	1160	m^3/h	950
		l/s	264
		CFM	559
MED	1000	m^3/h	800
		l/s	222
		CFM	471
LOW	830	m^3/h	670
		l/s	186
		CFM	394
QUIET	780	m^3/h	570
		l/s	158
		CFM	335

●HEATING

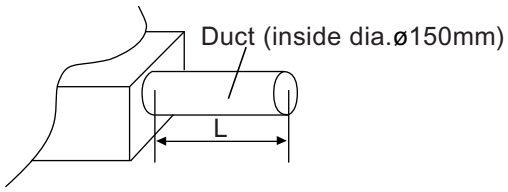
FAN SPEED	NUMBER OF ROTATIONS (r.p.m)	AIR FLOW	
HIGH	1160	m^3/h	950
		l/s	264
		CFM	559
MED	1000	m^3/h	800
		l/s	222
		CFM	471
LOW	830	m^3/h	670
		l/s	186
		CFM	394
QUIET	780	m^3/h	570
		l/s	158
		CFM	335

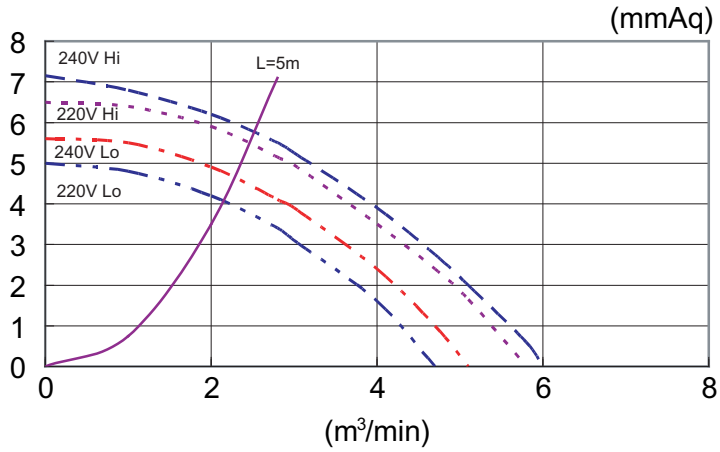
MULTI TYPE
2ROOM TYPE

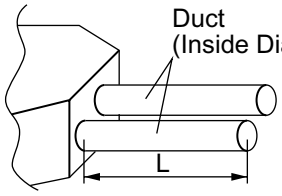
7-4. DUCT CONNECTION

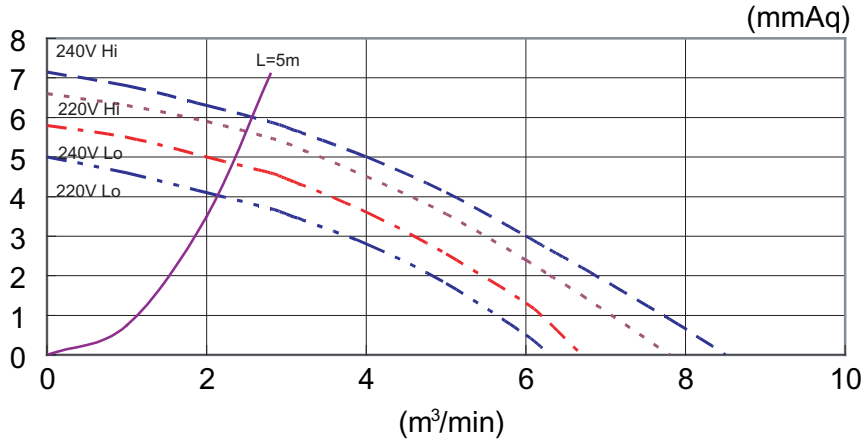
■MODELS : AU∗12L, AU∗14L, AU∗18L

●OUTLET AIR

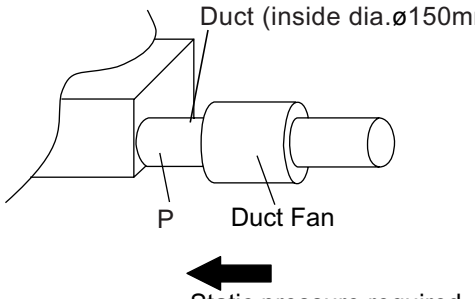


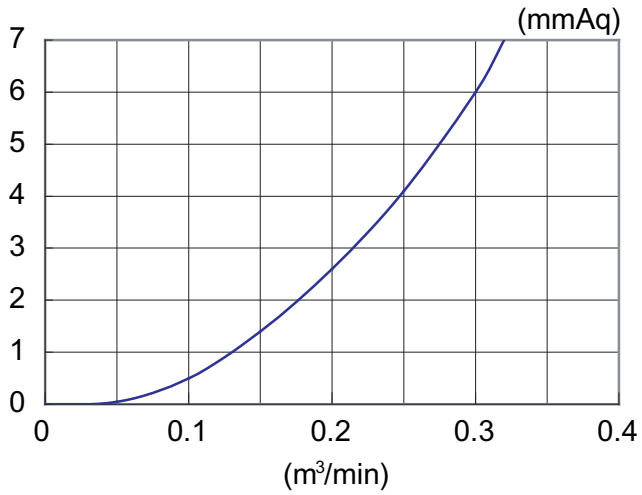






●FRESH AIR





MULTI TYPE
2ROOM TYPE

8. OPERATION NOISE

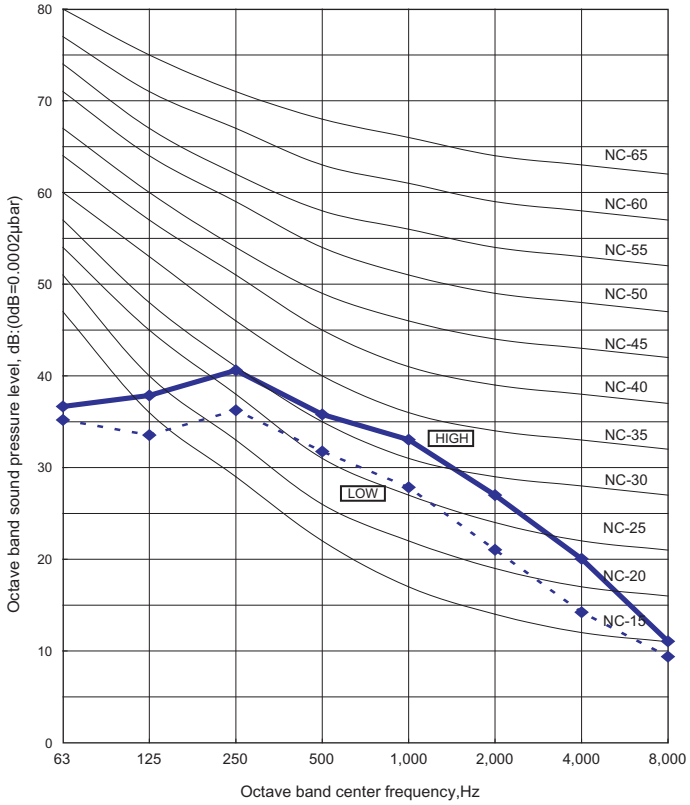
8-1. NOISE LEVEL CURVE

8-1-1. DUCTED MODEL

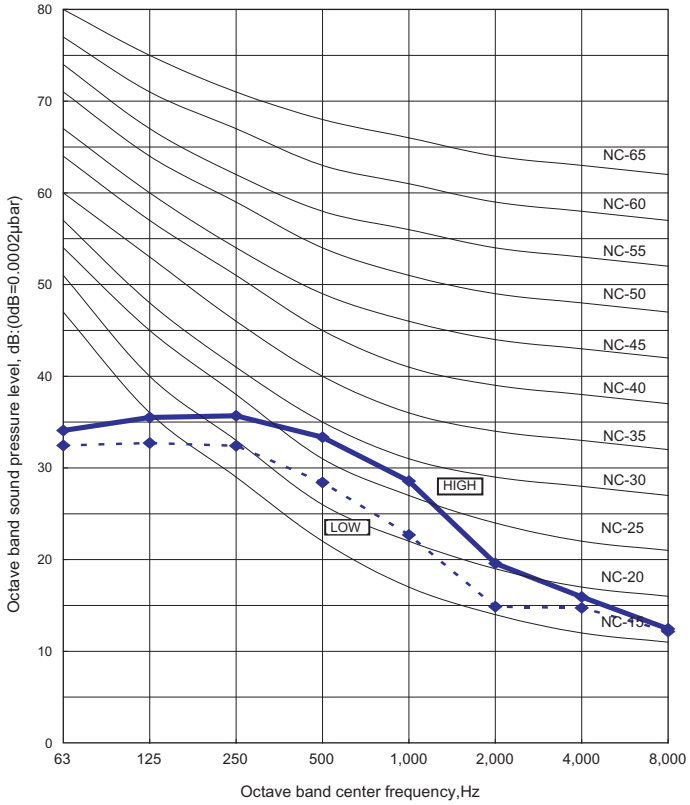
Condition
Static pressure : 0Pa
Static mode : Normal

■COOLING

●MODEL : AR∗9L

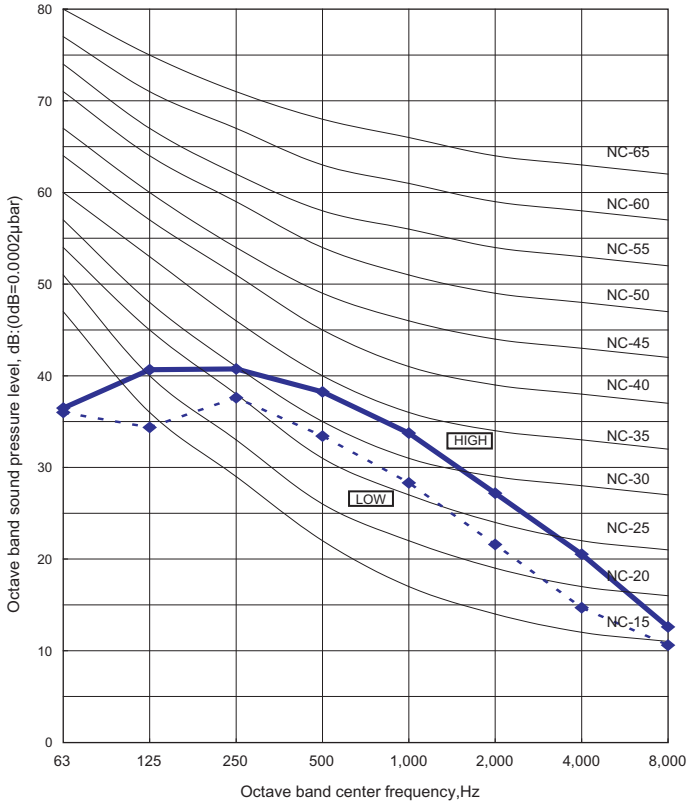


●MODEL : AR∗12L

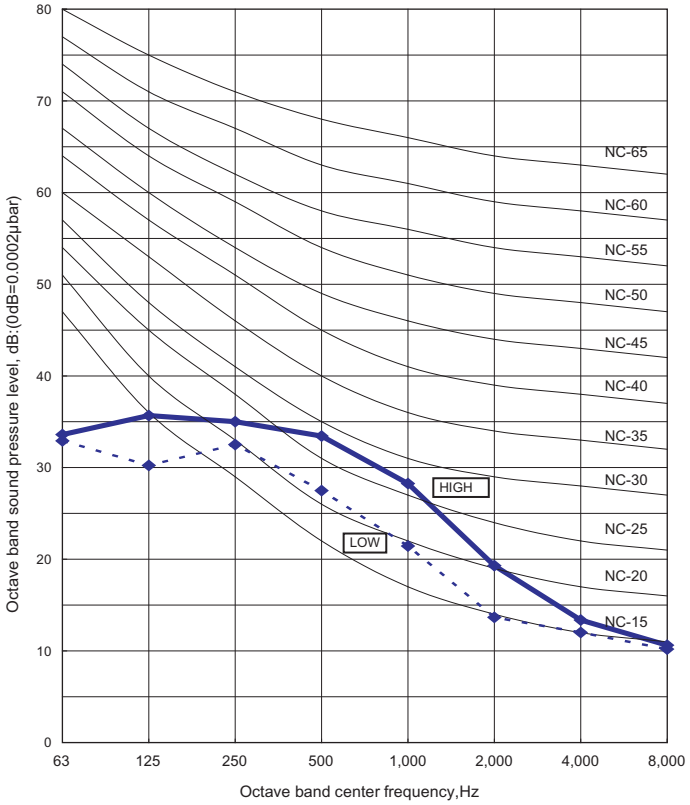


■HEATING

●MODEL : AR∗9L



●MODEL : AR∗12L

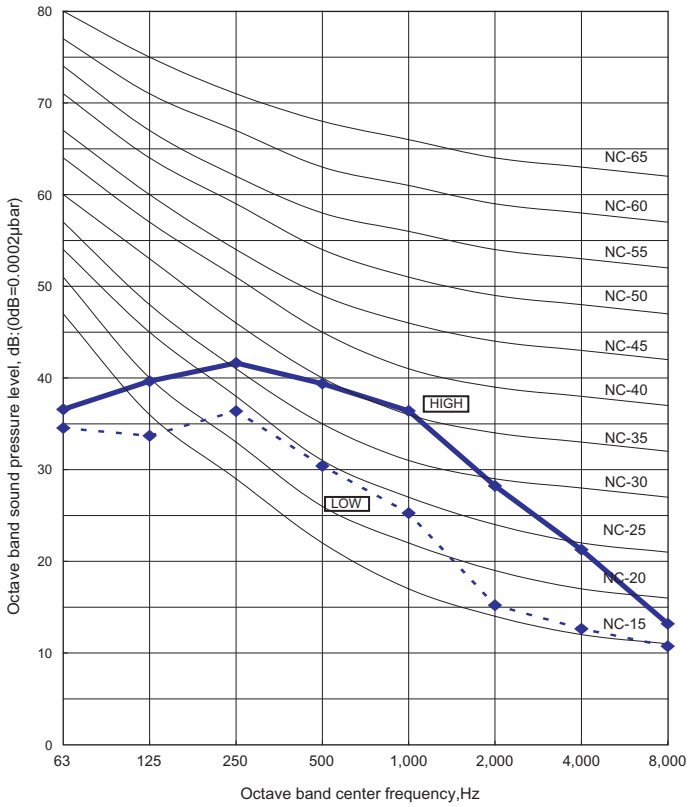


MULTI TYPE
2ROOM TYPE

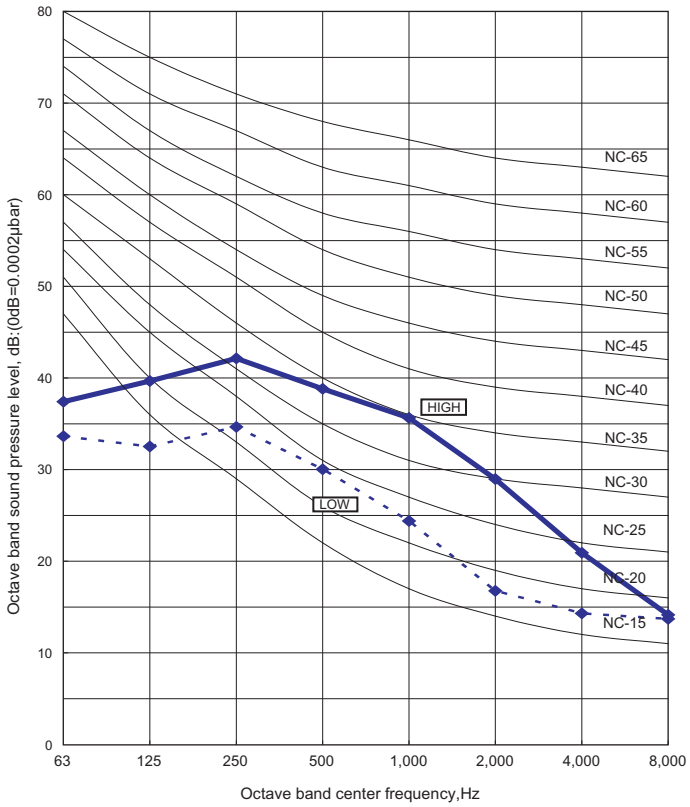
Condition
Static pressure : 0Pa
Static mode : Normal

■COOLING

●MODEL : AR∗14L

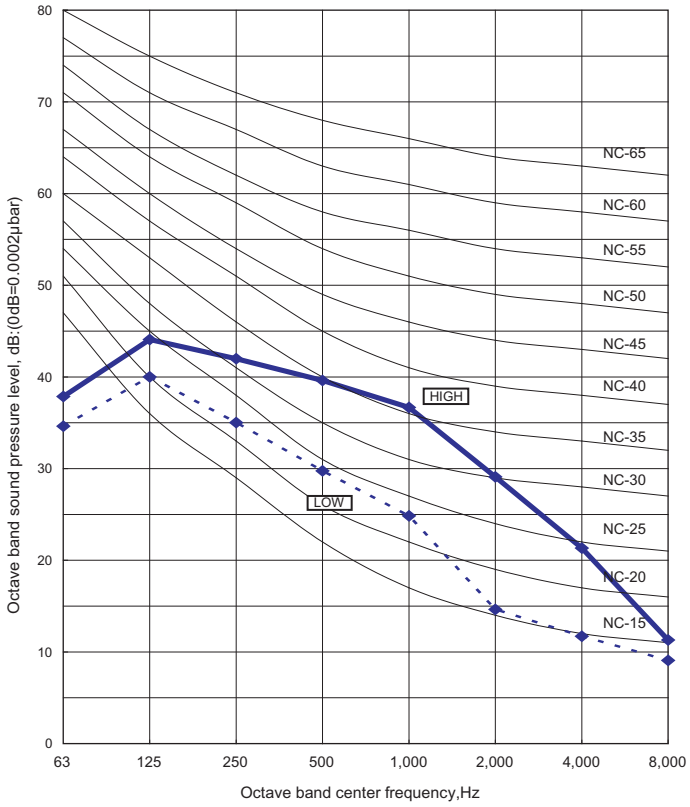


●MODEL : AR∗18L

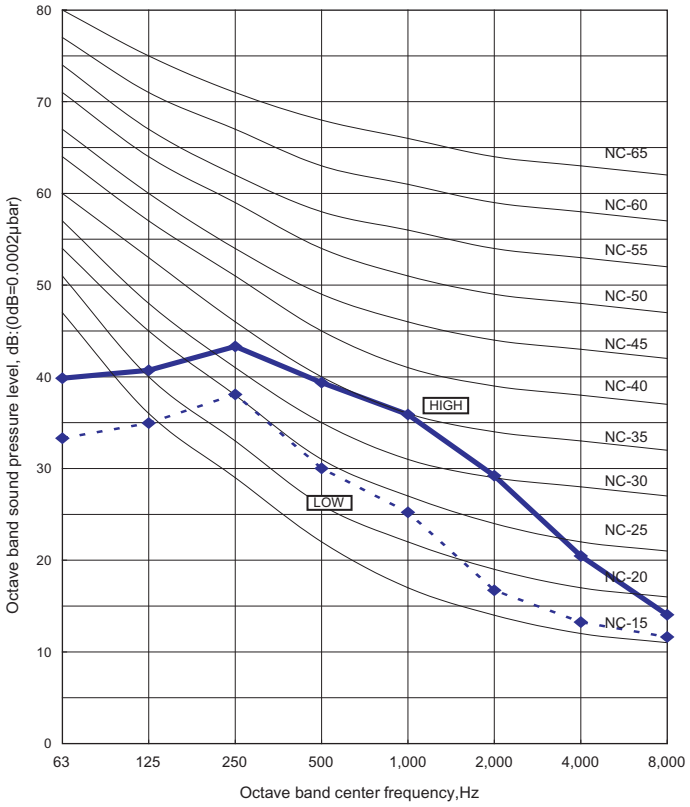


■HEATING

●MODEL : AR∗14L



●MODEL : AR∗18L

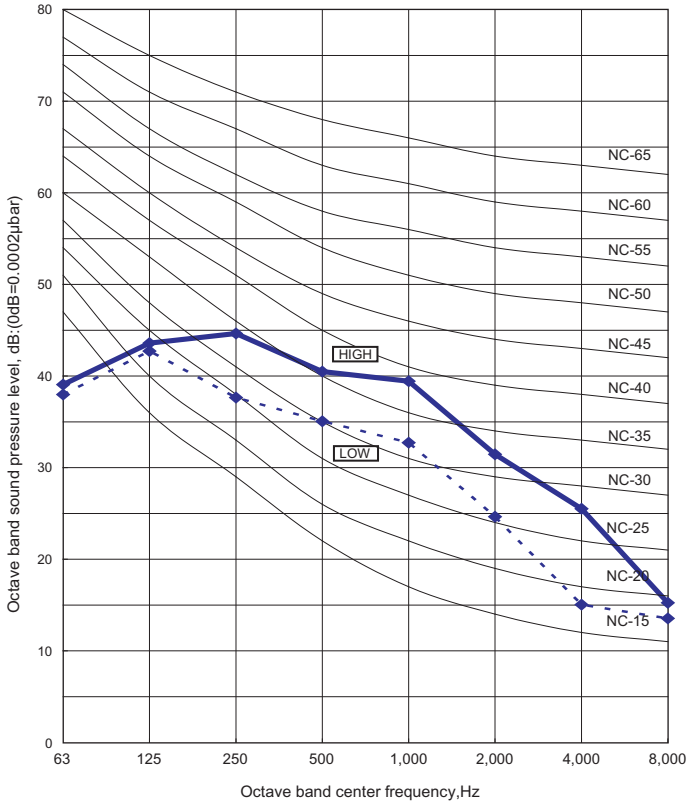


MULTI TYPE
2ROOM TYPE

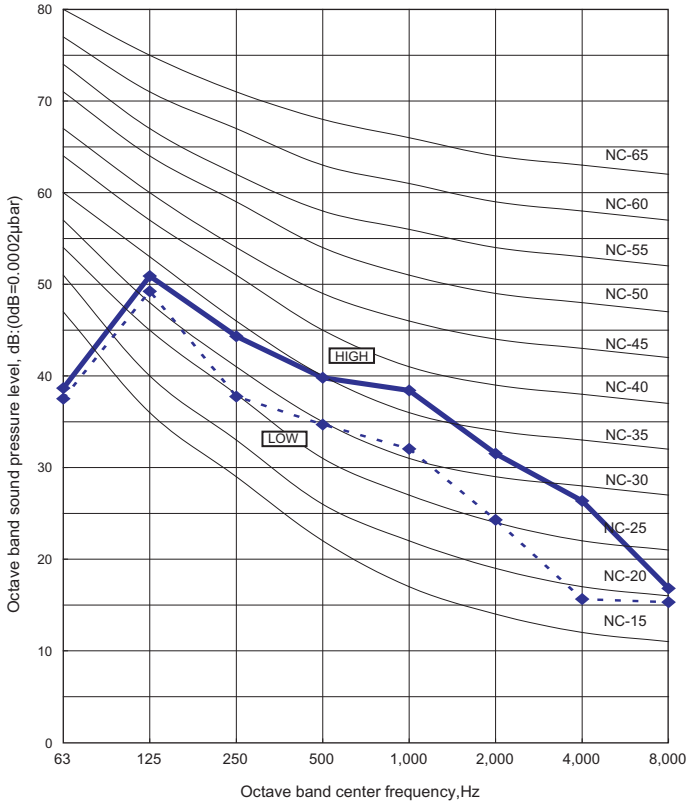
8-1-2. CASSETTE MODEL

■COOLING

●MODEL : AU∗12L

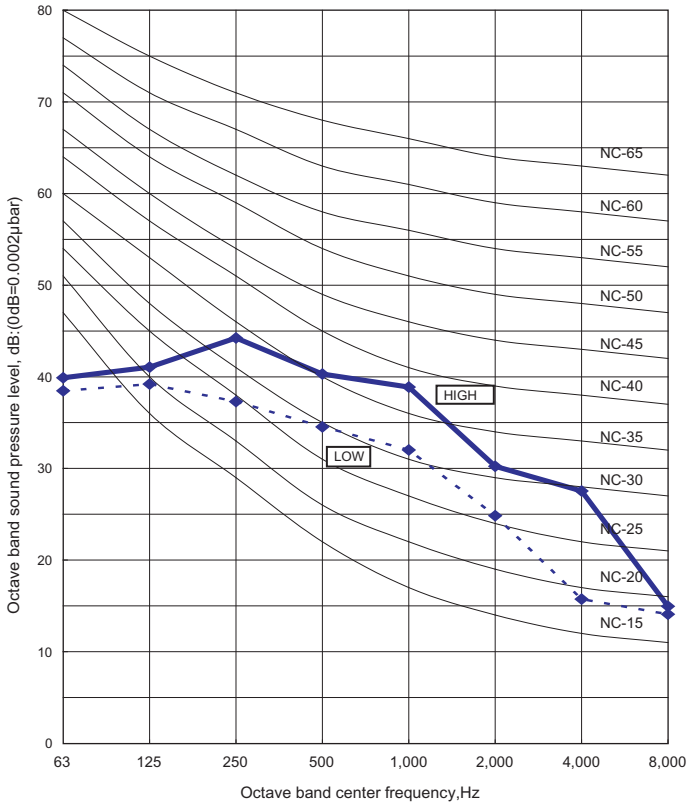


●MODEL : AU∗14L

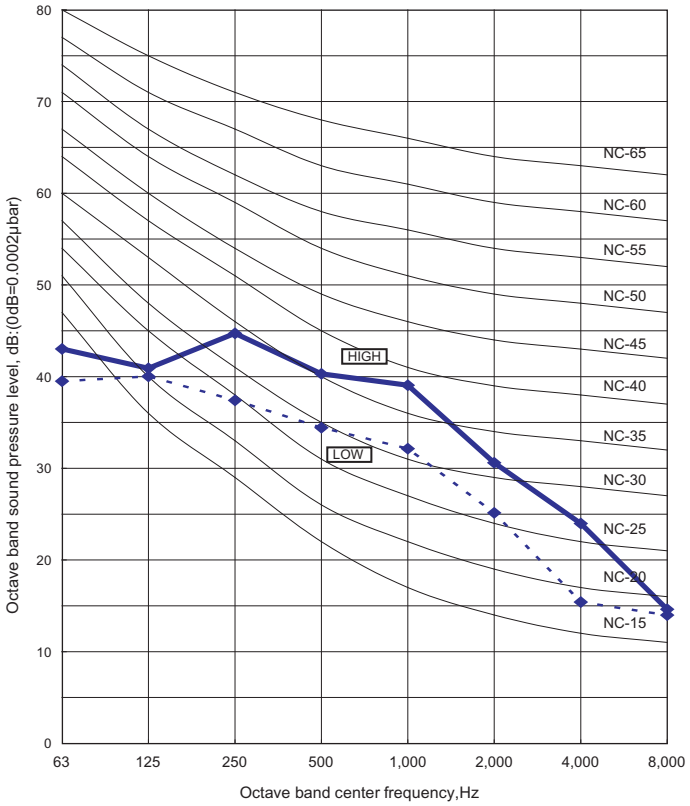


■HEATING

●MODEL : AU∗12L



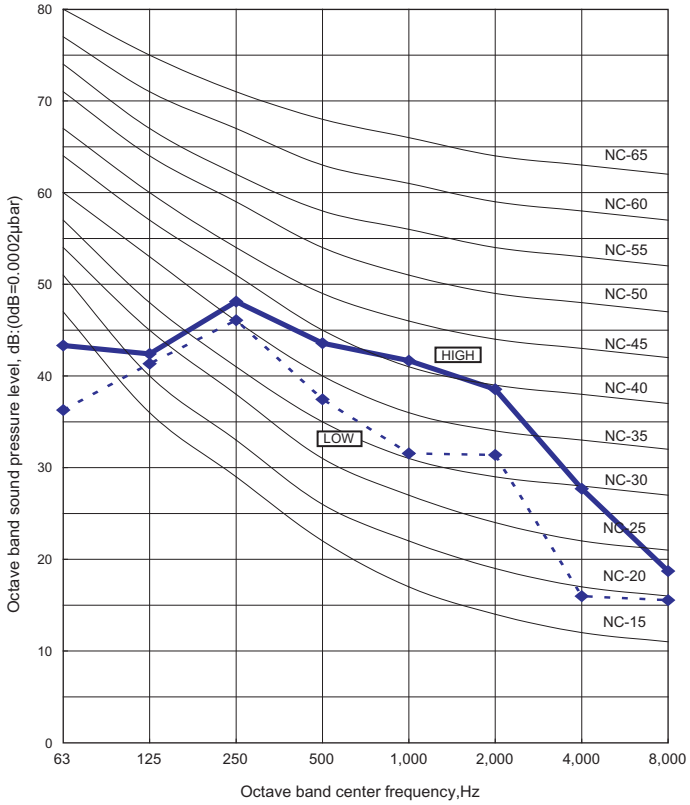
●MODEL : AU∗14L



MULTI TYPE
2ROOM TYPE

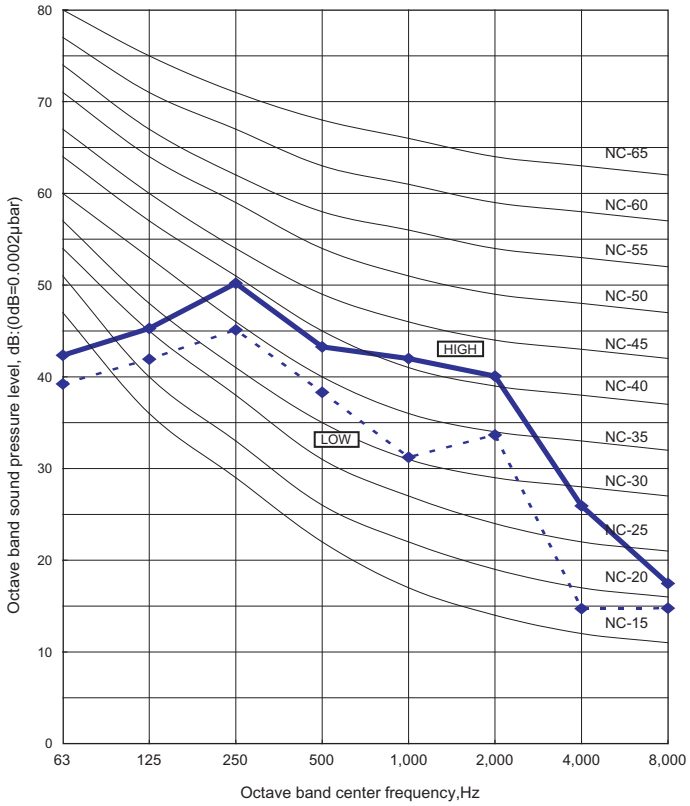
■COOLING

●MODEL : AU∗18L



■HEATING

●MODEL : AU∗18L

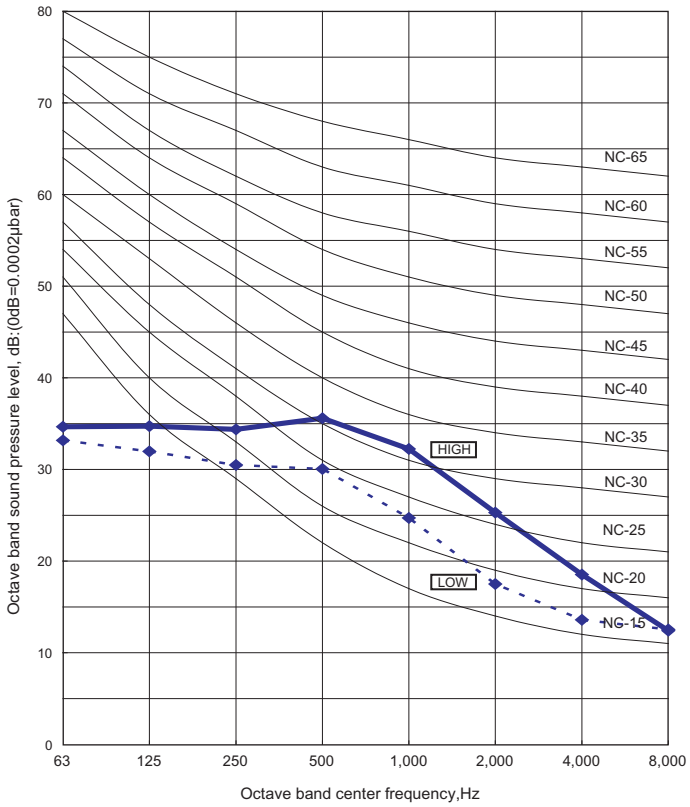


MULTI TYPE
2ROOM TYPE

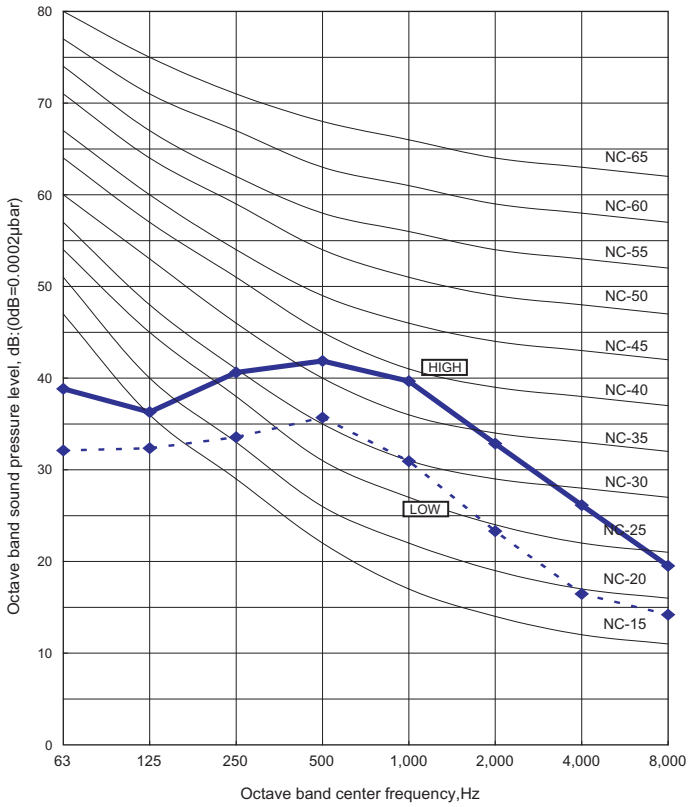
8-1-3. UNIVERSAL MODEL

■COOLING

●MODEL : AB∗14L

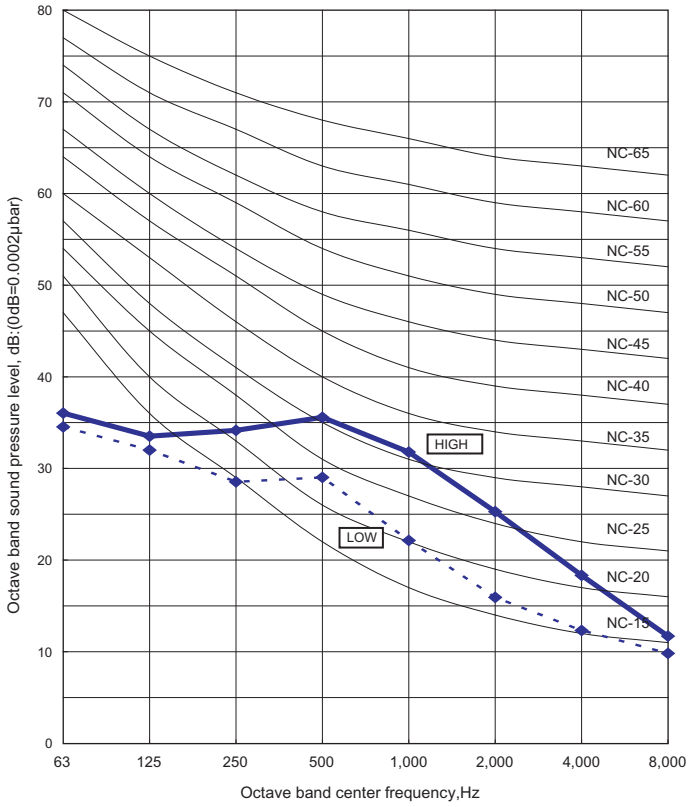


●MODEL : AB∗18L

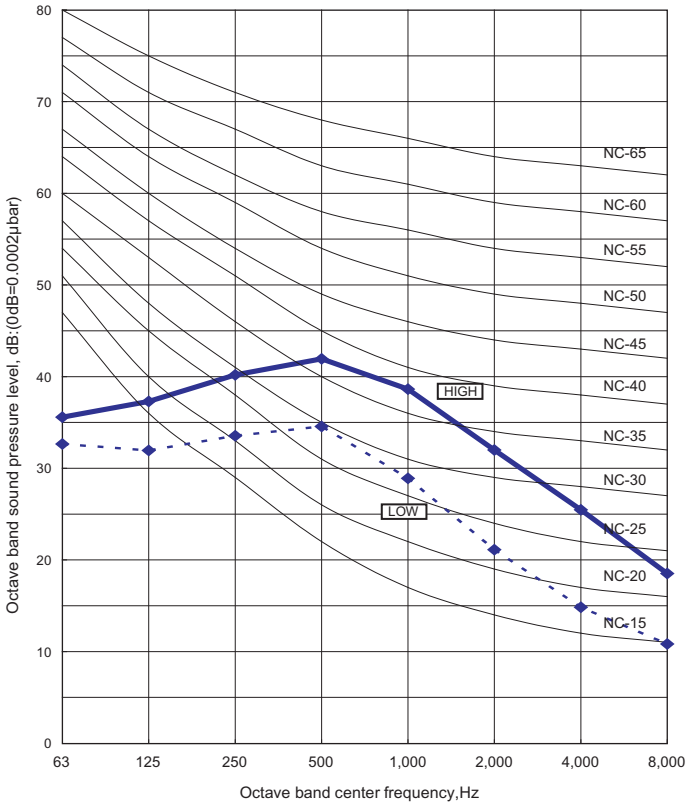


■HEATING

●MODEL : AB∗14L



●MODEL : AB∗18L

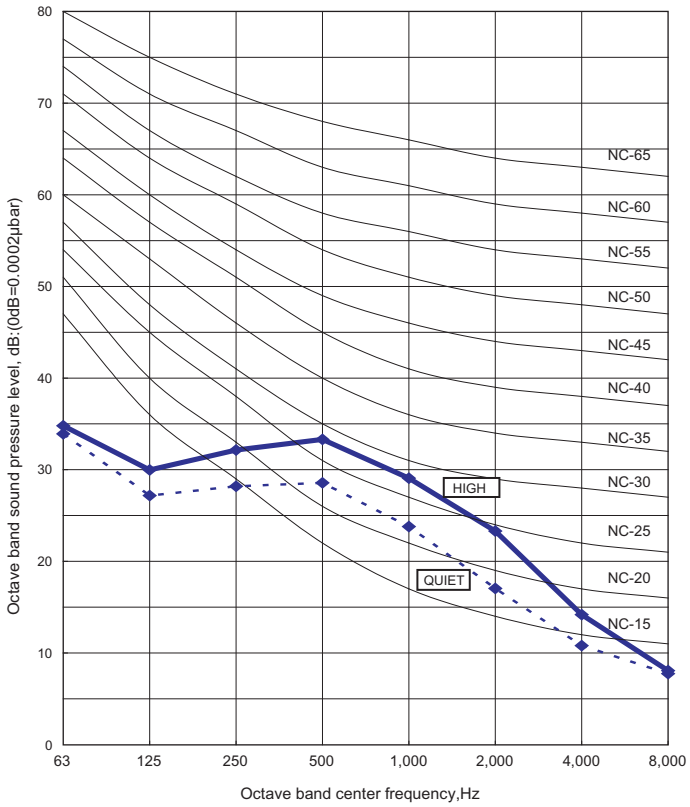


MULTI TYPE
2ROOM TYPE

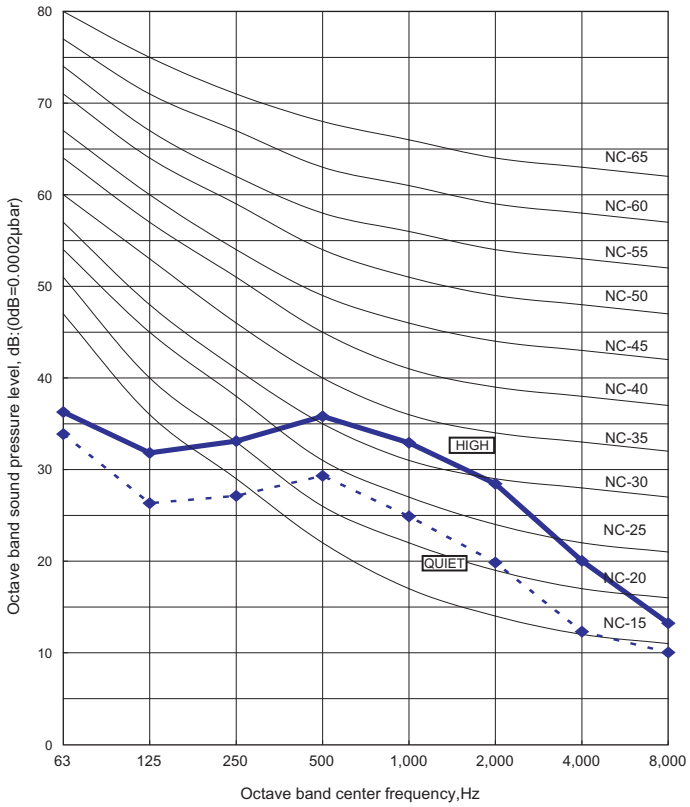
8-1-4. WALL MOUNTED MODEL

■COOLING

●MODEL : AS∗7L

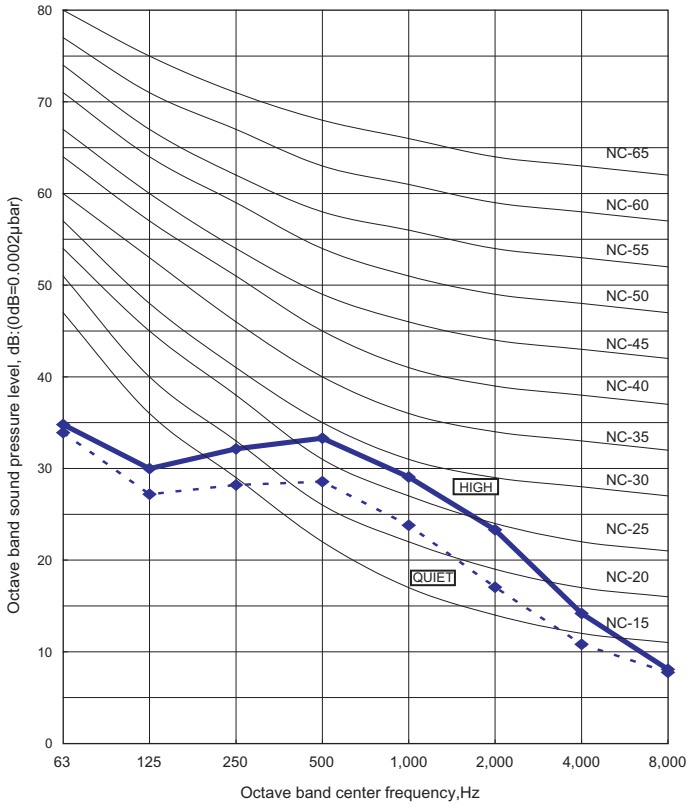


●MODEL : AS∗9L

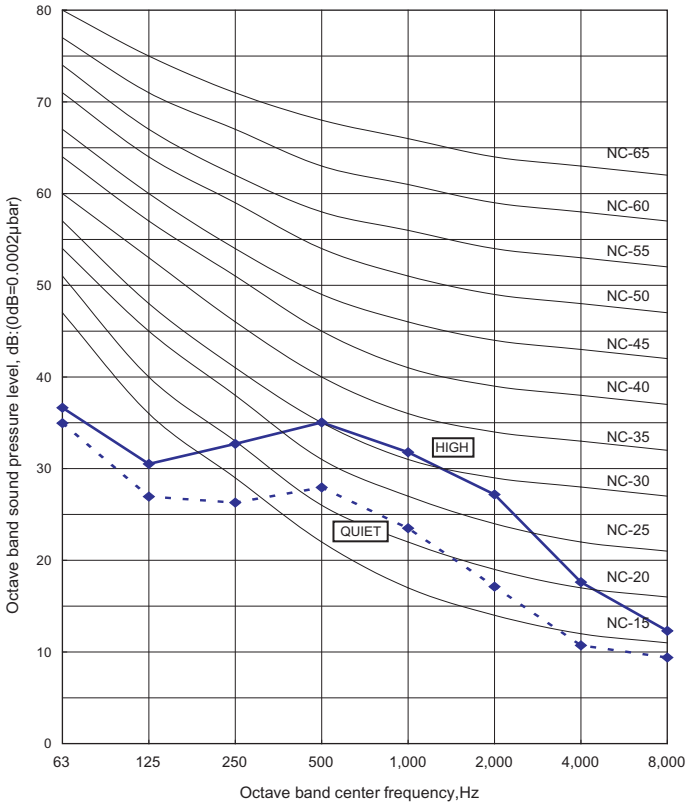


■HEATING

●MODEL : AS∗7L



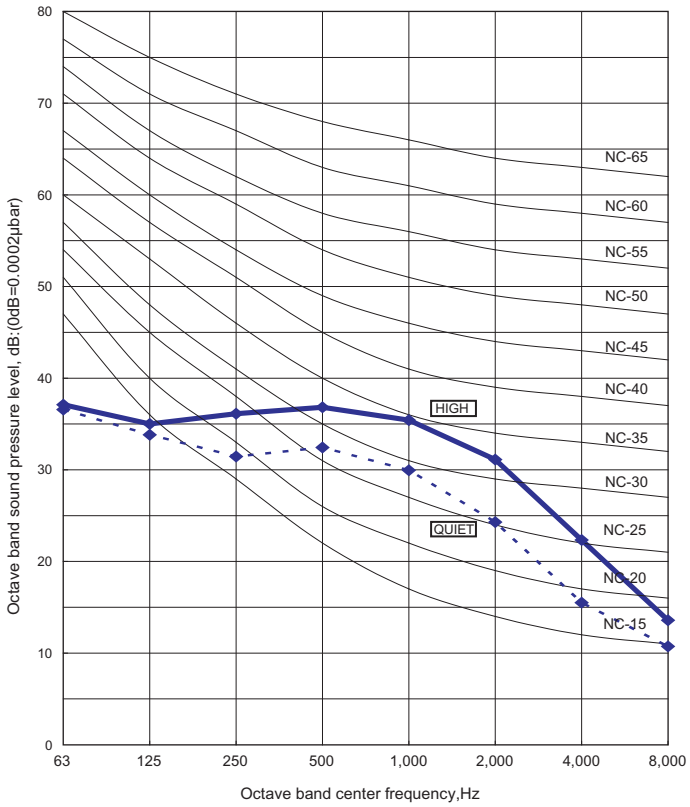
●MODEL : AS∗9L



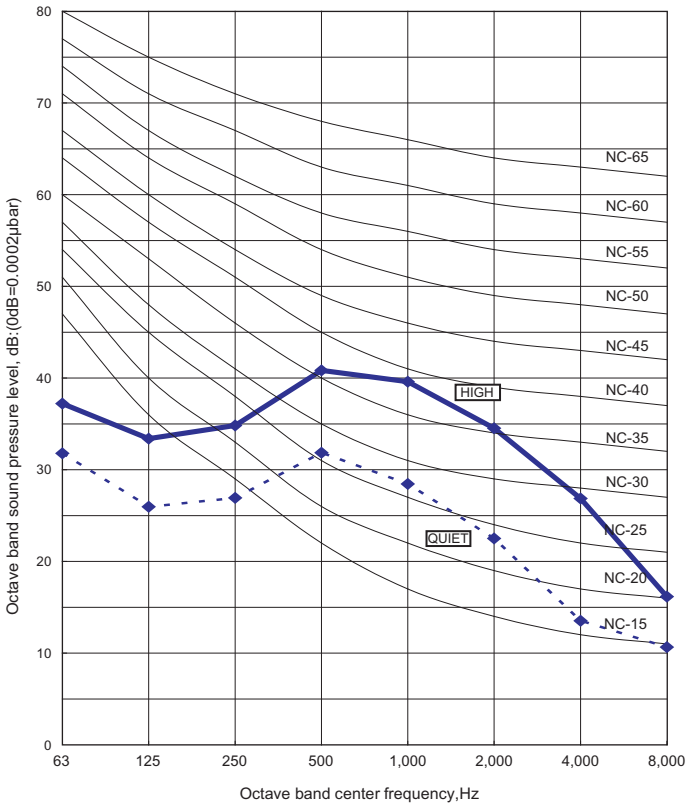
MULTI TYPE
2ROOM TYPE

■COOLING

●MODEL : AS∗12L

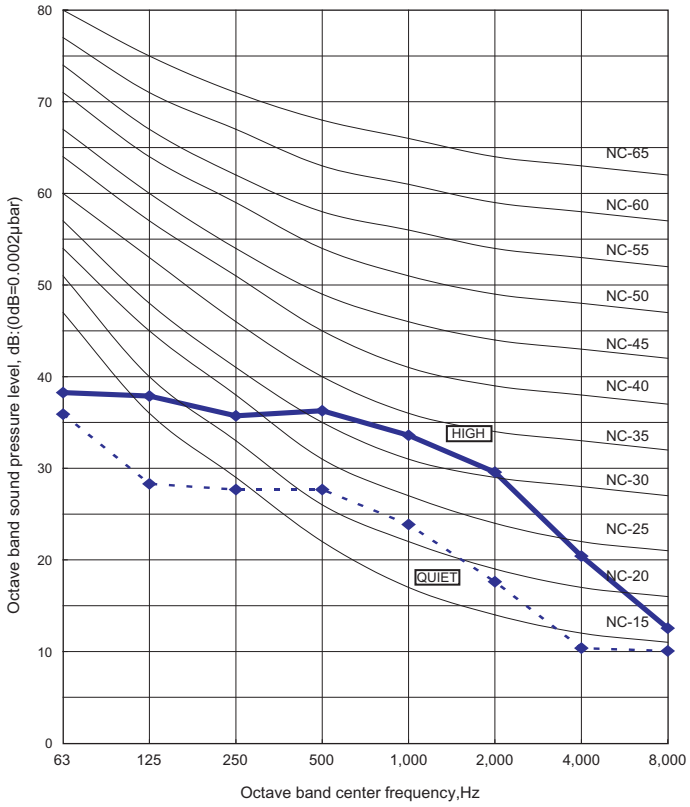


●MODEL : AS∗18L

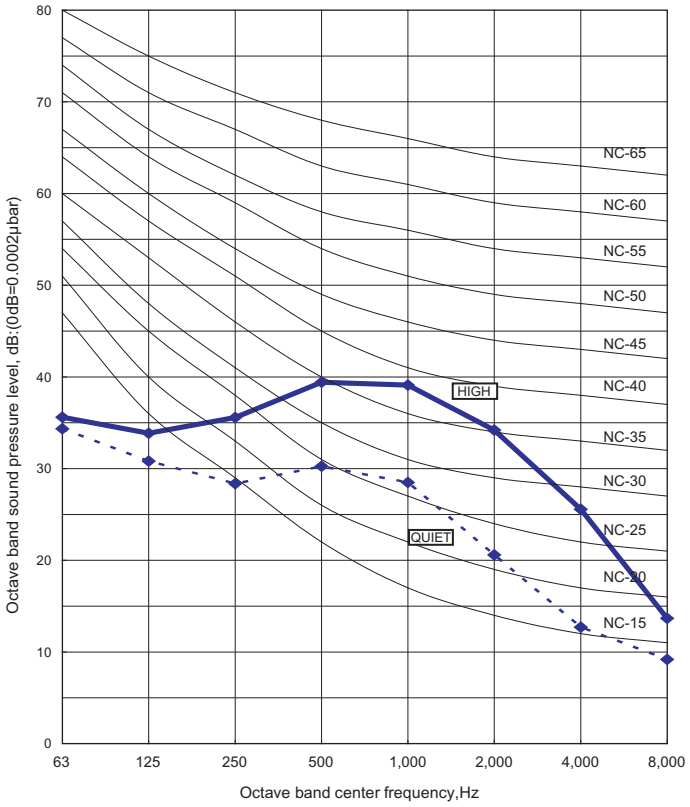


■HEATING

●MODEL : AS∗12L



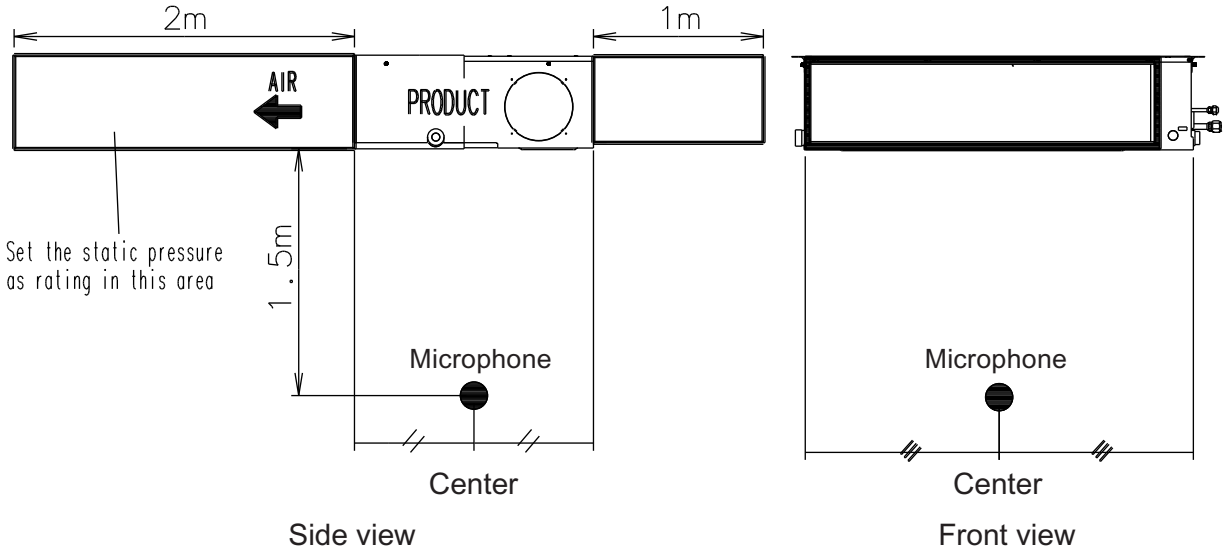
●MODEL : AS∗18L



MULTI TYPE
2ROOM TYPE

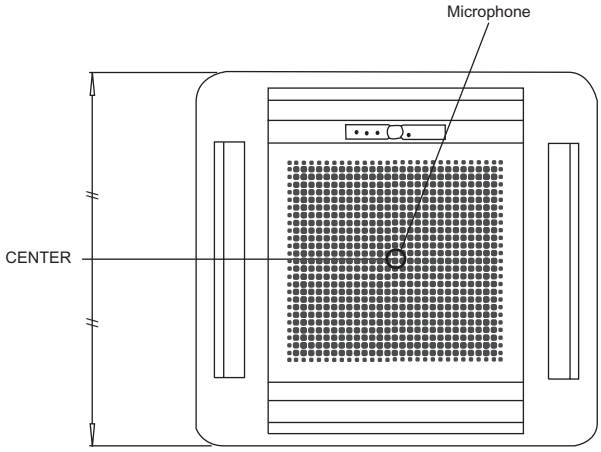
8-2. SOUND LEVEL CHECK POINT

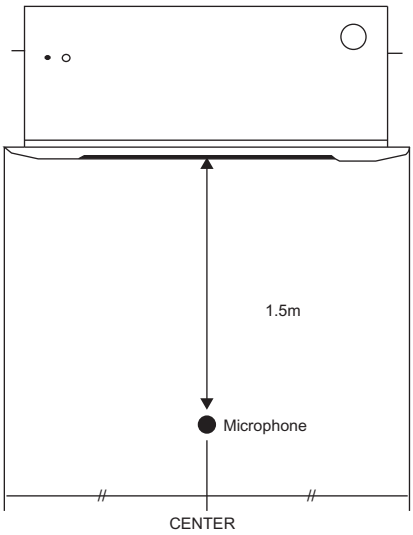
8-2-1. DUCTED MODEL



MULTI TYPE
2ROOM TYPE

8-2-2. CASSETTE MODEL

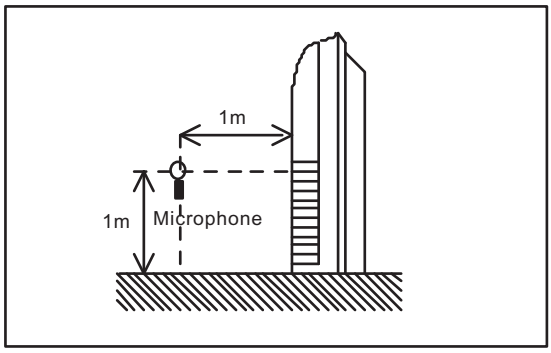


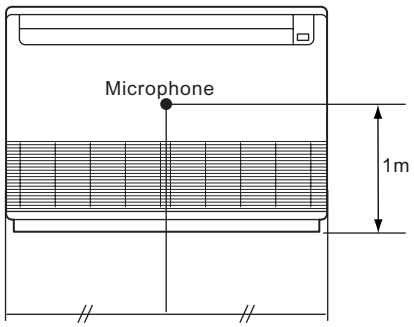


MULTI TYPE
2ROOM TYPE

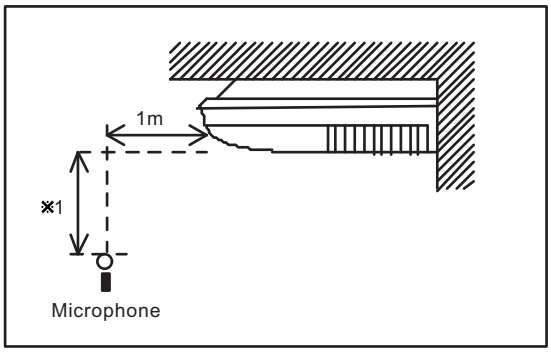
8-2-3. CEILING MODEL

●FLOOR CONSOLE

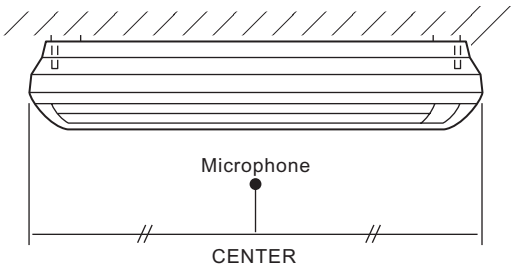




●UNDER CEILING

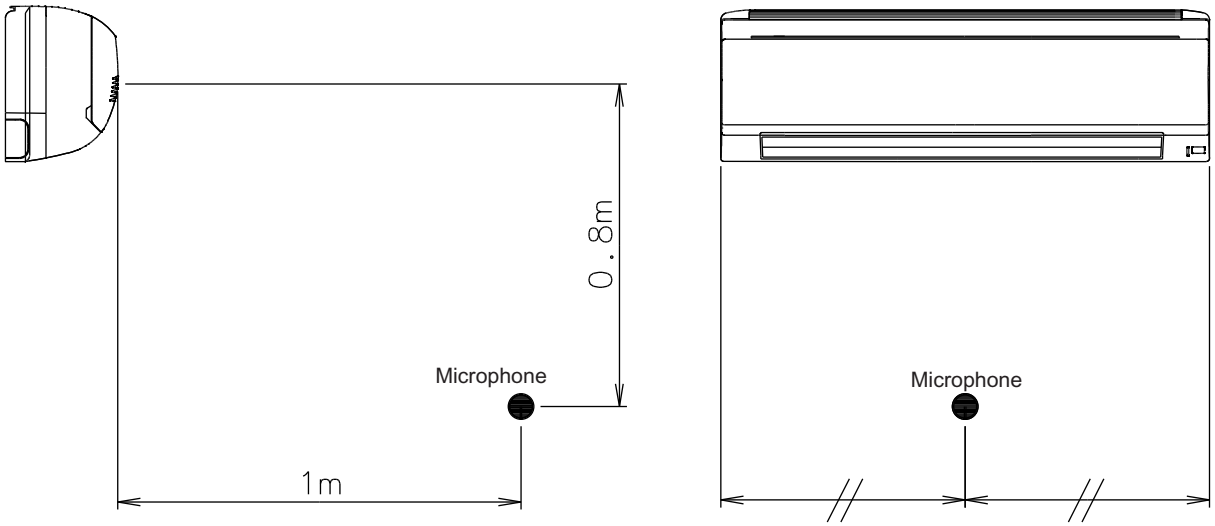


※1 0.8m (For AB12～AB24)
1m (For AB30～AB54)



MULTI TYPE
2ROOM TYPE

8-2-4. WALL MOUNTED MODEL



9. ELECTRIC CHARACTERISTICS

MULTI TYPE
2ROOM TYPE

Model Name			AR＊9L	AR＊12L AR＊14L AR＊18L	AU＊12L AU＊14L	AU＊18L	AB＊14L	AB＊18L	AS＊7L AS＊9L AS＊12L	AS＊18L
Power Supply	Voltage	V	230～							
	Frequency	Hz	50							
Max Operating Current		A	0.21	0.42	0.15	0.19	0.24	0.37	0.2	0.33
*1) Wiring Spec.	Connection Cable	mm^2	1.5							
	Limited wiring length	m	21							

*1) Wiring Spec.
Selected Sample
(Selected based on Japan Electrotechnical Standard and Codes Committee E0005)

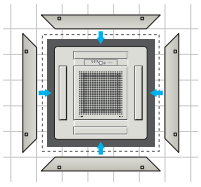
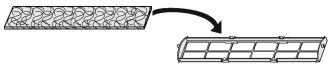
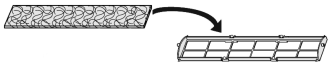
10. SAFETY DEVICES

MULTI TYPE
2ROOM TYPE

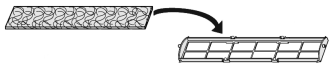
	Protection form	Model				
		AR＊9L AR＊12L AR＊14L AR＊18L	AU＊12L AU＊14L AU＊18L	AB＊14L AB＊18L	AS＊7L AS＊9L AS＊12L	AS＊18L
Circuit protection	Current fuse (PCB)	3.15A 250V	3.15A 250V	3.15A 250V	3.15A 250V	3.15A 250V
	Thermal fuse (Terminal)	-	-	-	103±2°C OFF	102±2°C OFF
Fan motor protection	Thermal protector	150±5°C OFF 90±15°C ON	140±5°C OFF 90±15°C ON	140±5°C OFF 90±15°C ON	-	-
	Thermal fuse	-	-	-	136±2°C OFF	140±5°C OFF

11. OPTIONAL PARTS

MULTI TYPE
2ROOM TYPE

Exterior	Parts name	Model No.	Summary
	Simple remote controller	UTB-YPB UTB-GPB	**For duct type model** **Simple remote controller** which gives priorityto ease-of-use and allows operation of the necessary functions only.
	Remote sensor unit	UTD-RS100	**For duct type model** New amenity space can be offered by installing the **Remote sensor** in the remote controller.
	Additional grille	UTG-AGDA-W	**For cassette type model** **Additional grill** hides the gap between the ceilling hole and the outlet grill.
	Air purifying filter	UTR-FA04-1 APPLE-CATECHIN (FILTER+FRAME) ×2 UTR-FC04-1 APPLE-CATECHIN (FILTER ONLY) ×2	**For wall mounted type model (AS∗ 7,9,12L)** Fine dust, invisible mold spores, and harmful microorganisms are absorbed onto **Apple catechin filter** by statics electricity, and further growth is inhibited and detectivated by the polyhenol ingredient extacted from apples.
	Air purifying filter	UTR-FA04-2 LONG-LIFE ION DEODORIZATION FILTER (FILTER+FRAME) ×2 UTR-FC04-2 LONG-LIFE ION DEODORIZATION FILTER (FILTER ONLY) ×2	**For wall mounted type model (AS∗ 7,9,12L)** **Long-life ion deodorazation filter** deodorizesby powerfully decomposing absorbed odors using the oxidizing and reducing effects of ions generated by the ultra-fine-particle ceramic.

MULTI TYPE
2ROOM TYPE

Exterior	Parts name	Model No.	Summary
	Air purifying filter	UTR-FA09-3 APPLE- CATECHIN (FILTER+FRAME) ×2 UTR-FC09-3 APPLE- CATECHIN (FILTER ONLY) ×2	**For wall mounted type model** (AS∗18L) Fine dust, invisible mold spores, and harmful microcrorganisms are absorbed onto **Apple catechin filter** by statics electricity, and further growth is inhibited and detectivated by the polyhenol ingredient extacted from apples.
	Air purifying filter	UTR-FA09-4 WASABI-ION FILTER (FILTER+FRAME) ×2 UTR-FC09-4 WASABI-ION FILTER (FILTER ONLY) ×2	**For wall mounted type model** (AS∗18L) The wasabi air purifying filter catches dust mites cigarette smoke, and other common pollutants. It also traps and inactivates mold and bacteria.

Refrigerant
R410A

OUTDOOR UNIT

2. MULTI TYPE : 2ROOM TYPE

- AO＊18LMAK2
- AO＊24LMAM2

D2D_AO006E/01
2006.10.25

1. SPECIFICATIONS

THE FOLLOWING PERFORMANCE IS A VALUE AT STANDARD COMBINATIONS.

■MODELS

AO∗18L2 : AR∗14L, AR∗9L
AO∗24L2 : AS∗18L, AS∗12L

Type					MULTI SATTELITE SYSTEM MODEL	
					INVERTER HEATPUMP	
Model name					AO∗18LMAK2	AO∗24LMAM2
Power source					230V～ 50Hz	
Available voltage range					198 - 264V～ 50Hz	
European energy label				Cooling	B	A
				Heating	B	A
Capacity	Cooling	Rated		kW	5.5	5.8
				BTU/h	18800	19800
		Min - Max		kW	2.0 - 6.5	2.5 - 7.8
				BTU/h	6800 - 22200	8500 - 26600
	Heating	Rated		kW	6.4	6.4
				BTU/h	21800	21800
		Min - Max		kW	2.2 - 7.1	2.2 - 9.0
				BTU/h	7500 - 24200	7500 - 30700
Input power	Cooling	Rated		kW	1.73	1.73
		Min - Max			0.68 - 2.22	0.80 - 2.77
	Heating	Rated			1.84	1.64
		Min - Max			0.68 - 2.22	0.80 - 2.77
Current	Cooling	Rated		A	7.50	7.55
		Max			9.70	12.20
	Heating	Rated			8.00	7.15
		Max			9.70	12.20
EER	Cooling			kW/kW	3.18	3.35
COP	Heating				3.48	3.90
Starting current				A	10	
Fan	Airflow rate	Cooling		m^3/h	2800	2800
		Heating			2800	2800
	Type × Q'ty				Propeller × 1	
	Motor output			W	60	
Sound pressure level	Cooling			dB (A)	49	49
	Heating				50	50
Heat exchanger type	Dimensions (H × W × D)			mm	628 × 901 × 36.38	
	Fin pich				1.45	
	Rows × Stages				2 × 30	
	Pipe type				Copper	
	Fin type				Aluminium	
Compressor	Type × Q'ty				TWIN ROTARY × 1	
	Motor output			W	1300	
Refrigerant	Type				R410A	
	Charge			g	1900	
Refrigerant oil	Type				POE	
Enclosure	Material				Steel sheet	
	Colour				Beige (10YR7.5/1.0NN)	
Dimensions (H × W × D)	Net			mm	650 × 830 × 320	
	Gross				743 × 984 × 413	
Weight	Net			kg (lb.)	56 (123)	
	Gross				62 (137)	
Connection pipe	Size	Liquid		mm	Φ6.35 (1/4in.) × 2	
		Gas			Φ9.52 (3/8in.) × 1, ※Φ12.70 (1/2in.) × 1	
	Method				Flare	
	Max. length (Total)			m	30 (chargeless : 30)	
	Max.length (Each)				20	
	Max. height difference between Outdoor Unit and each Indoor Units.				10	
	Max. height difference between Indoor Units.				10	
Operation range	Cooling			°C	0 to 43	
	Heating				-10 to 21	

※Connect to connection valve by the adapter.

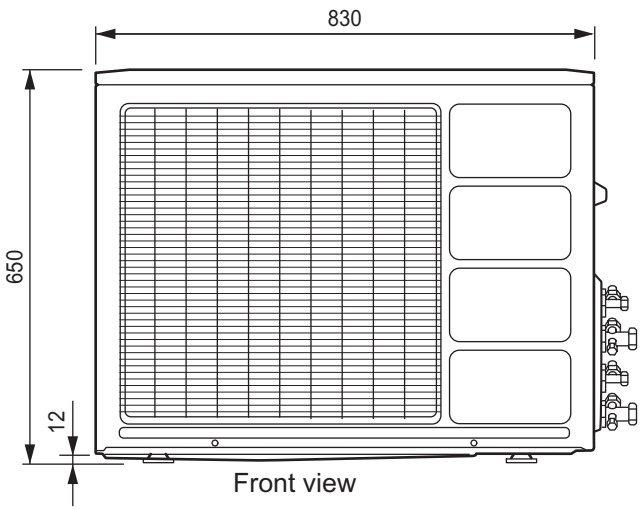
Note :
Specifications are based on the following conditions.
Cooling : Indoor temperature of 27°CDB/19°CWB. and outdoor temperature of 35°CDB/24°CWB.
Heating : Indoor temperature of 20°CDB/15°CWB. and outdoor temperature of 7°CDB/6°CWB.
Pipe length : 7.5 m, Height difference : 0 m. (Outdoor unit - Indoor unit)

2. DIMENSIONS

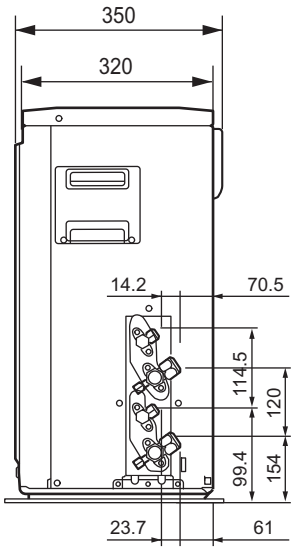
■MODELS : AO∗18L2, AO∗24L2

(Unit : mm)

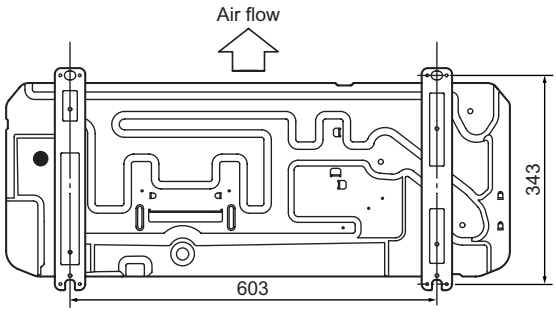
Top view



Front view



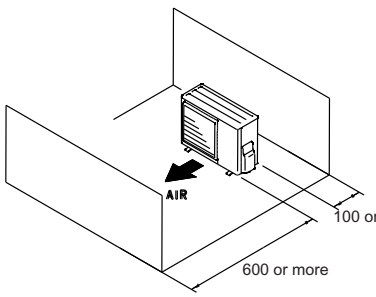
Side view



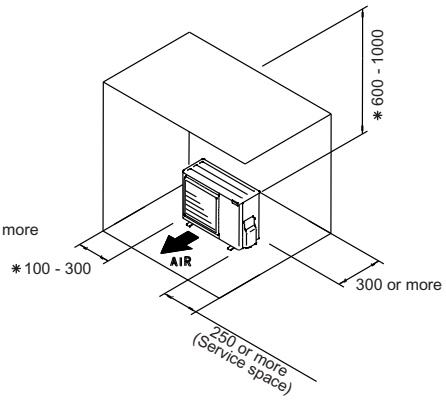
Bottom view

■MOUNTING POSITION

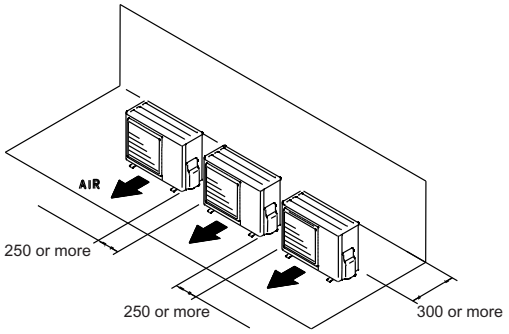
When there are obstacles at the back or front sides.



When there are obstacles at the back, side(s), and top.



When there are obstacles at the back, side with the installation of more than one unit.

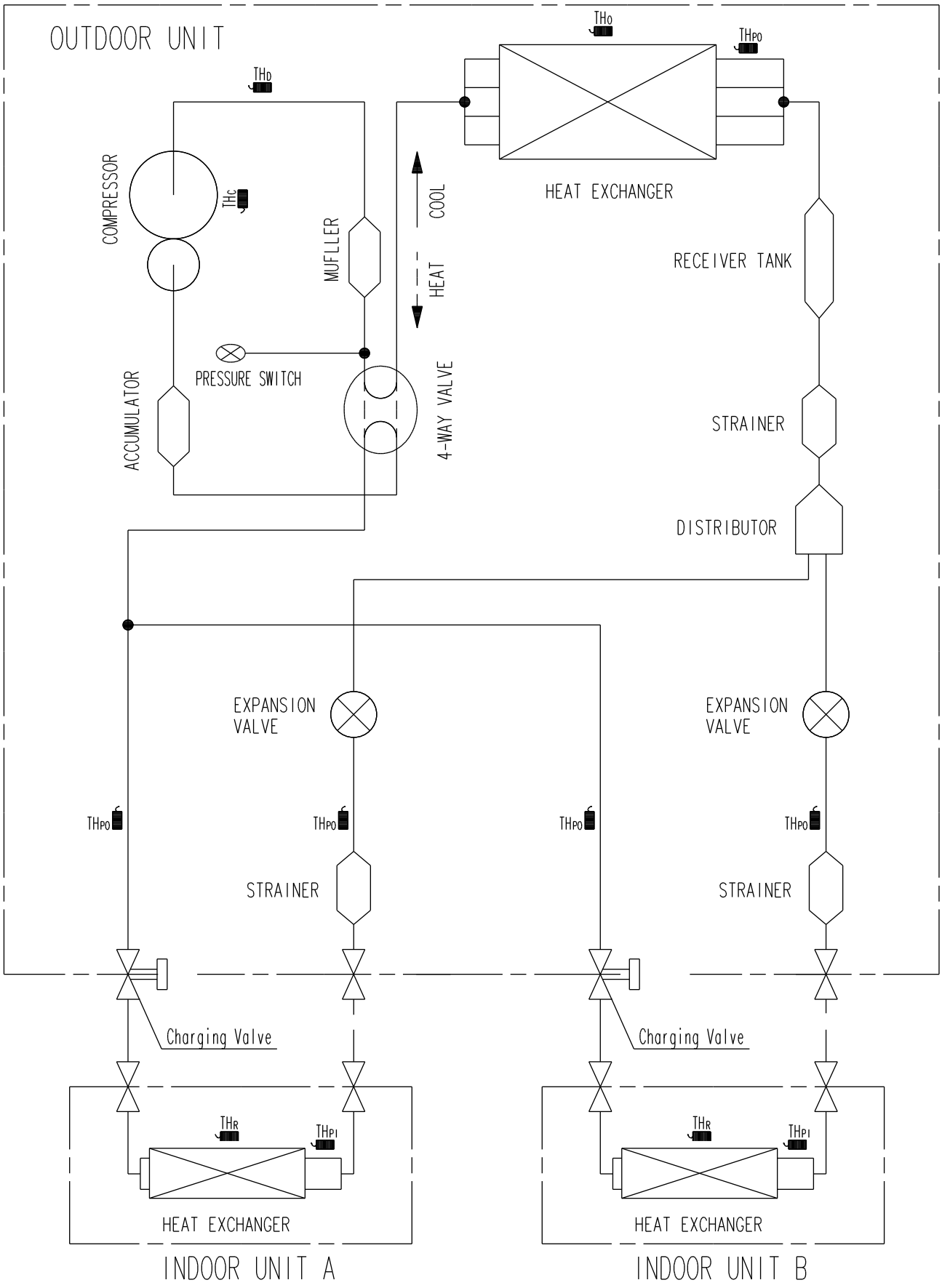


∗If the space is larger that is stated, the condition will be the same as that are no obstacles.

OUTDOOR UNIT
AO∗18-24L2

3. REFRIGERANT CIRCUIT

■MODELS : AO*18L2, AO*24L2

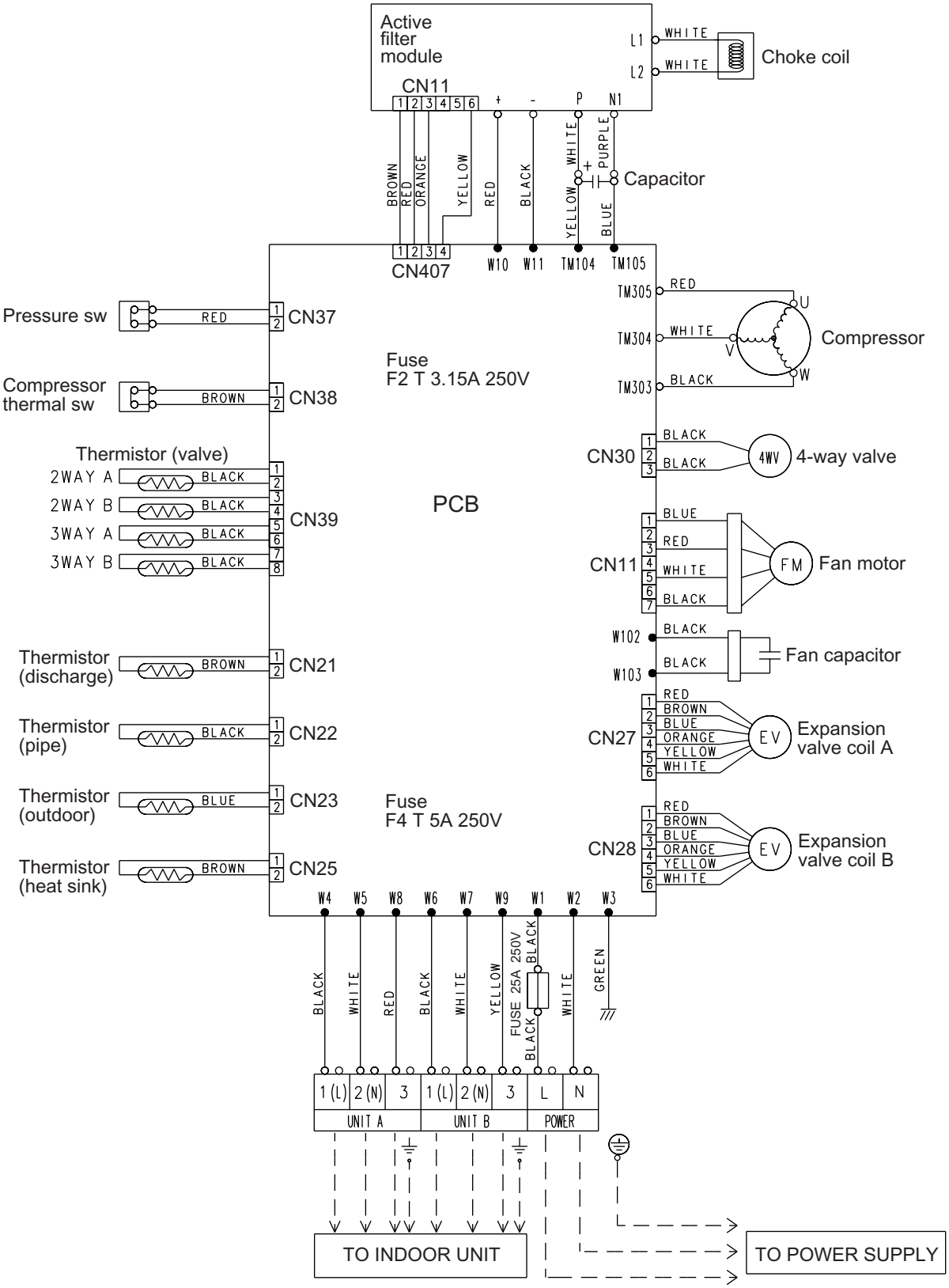


THD : THERMISTOR(DISCHARGE TEMP.)
THO : THERMISTOR(OUTDOOR TEMP.)
THPO : THERMISTOR(PIPE TEMP.)
THC : THERMOSTAT(COMPRESSOR TEMP.)

THR : THERMISTOR(ROOM TEMP.)
THPI : THERMISTOR(PIPE TEMP.)

4. WIRING DIAGRAMS

■MODELS : AO∗18L2, AO∗24L2



OUTDOOR UNIT
AO∗18-24L2

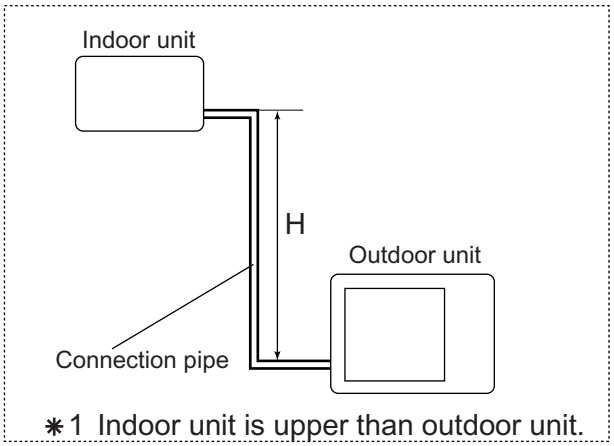
5. COEFFICIENT OF COMPENSATION FOR PIPE LENGTH AND HEIGHT DIFFERENCE

■MODELS : INDOOR UNIT 7000BTU (AO∗18L2, AO∗24L2)

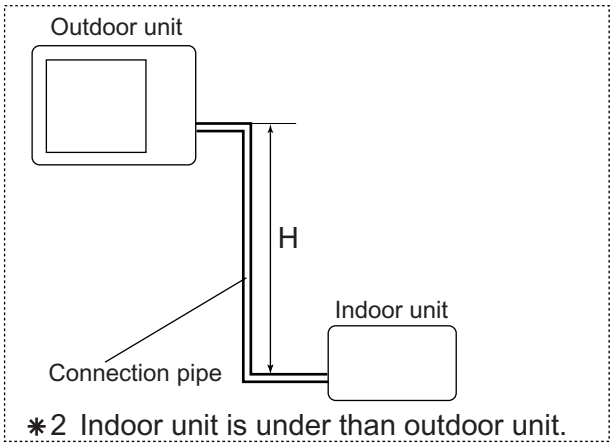
COOLING			Pipe length (m)				
			5	7.5	10	15	20
Height difference H (m)	*1 Indoor unit is upper than outdoor unit	10	-	-	0.996	0.990	0.984
		7.5	-	1.000	0.996	0.990	0.984
		5	1.002	1.000	0.996	0.990	0.984
		0	1.002	1.000	0.996	0.990	0.984
	*2 Indoor unit is under than outdoor unit	-5	0.994	0.992	0.988	0.982	0.976
		-7.5	-	0.988	0.984	0.978	0.972
		-10	-	-	0.980	0.974	0.968

HEATING			Pipe length (m)				
			5	7.5	10	15	20
Height difference H (m)	*1 Indoor unit is upper than outdoor unit	10	-	-	0.983	0.957	0.914
		7.5	-	0.993	0.985	0.960	0.916
		5	1.000	0.995	0.988	0.962	0.919
		0	1.005	1.000	0.993	0.967	0.923
	*2 Indoor unit is under than outdoor unit	-5	1.005	1.000	0.993	0.967	0.923
		-7.5	-	1.000	0.993	0.967	0.923
		-10	-	-	0.993	0.967	0.923

Height difference H



∗1 Indoor unit is upper than outdoor unit.



∗2 Indoor unit is under than outdoor unit.

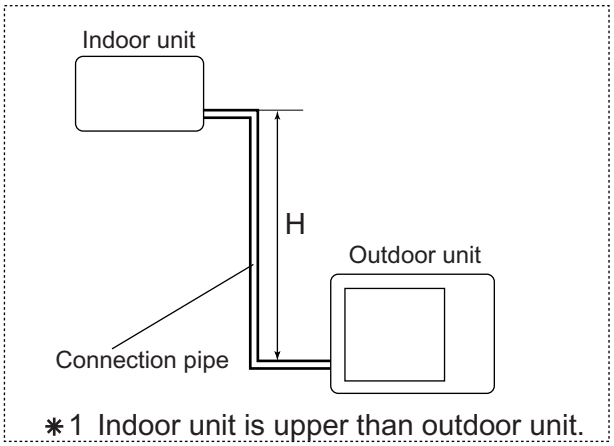
OUTDOOR UNIT
AO∗18-24L2

■MODELS : INDOOR UNIT 9000BTU (AO∗18L2, AO∗24L2)

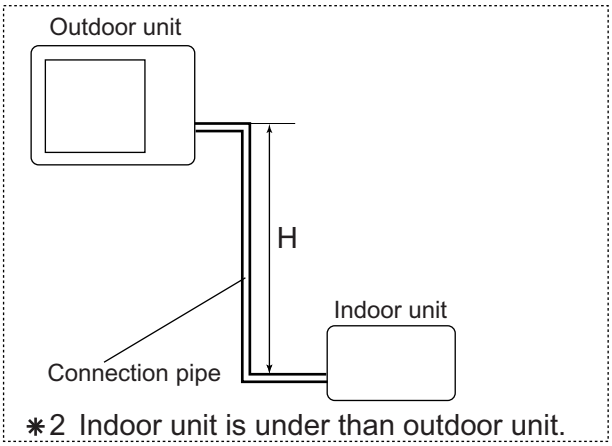
COOLING			Pipe length (m)				
			5	7.5	10	15	20
Height difference H (m)	*1 Indoor unit is upper than outdoor unit	10	-	-	0.995	0.983	0.972
		7.5	-	1.000	0.995	0.983	0.972
		5	1.006	1.000	0.995	0.983	0.972
		0	1.006	1.000	0.995	0.983	0.972
	*2 Indoor unit is under than outdoor unit	-5	0.998	0.992	0.987	0.976	0.964
		-7.5	-	0.988	0.983	0.972	0.960
		-10	-	-	0.979	0.968	0.956

HEATING			Pipe length (m)				
			5	7.5	10	15	20
Height difference H (m)	*1 Indoor unit is upper than outdoor unit	10	-	-	0.983	0.957	0.914
		7.5	-	0.993	0.985	0.960	0.916
		5	1.000	0.995	0.988	0.962	0.919
		0	1.005	1.000	0.993	0.967	0.923
	*2 Indoor unit is under than outdoor unit	-5	1.005	1.000	0.993	0.967	0.923
		-7.5	-	1.000	0.993	0.967	0.923
		-10	-	-	0.993	0.967	0.923

Height difference H



∗1 Indoor unit is upper than outdoor unit.



∗2 Indoor unit is under than outdoor unit.

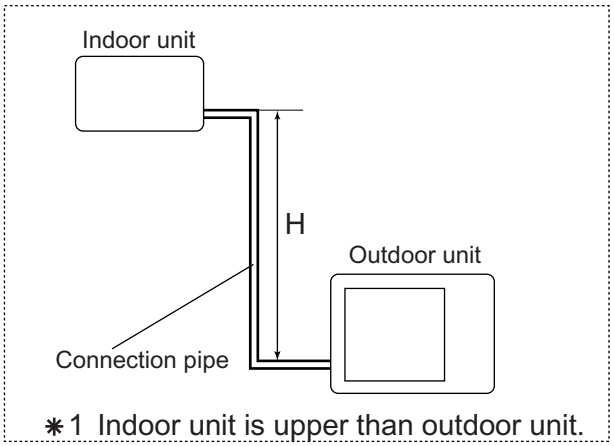
OUTDOOR UNIT
AO∗18-24L2

■MODELS : INDOOR UNIT 12000BTU (AO∗18L2, AO∗24L2)

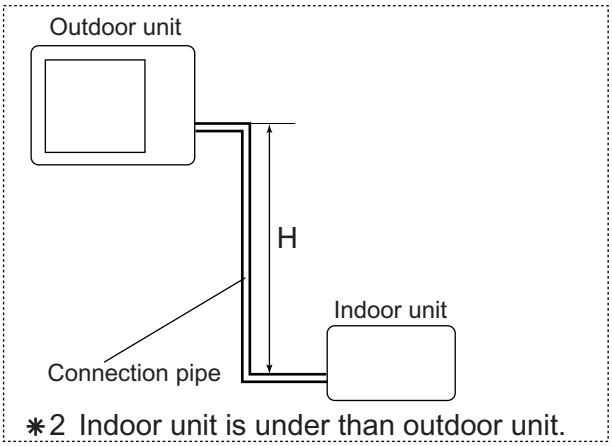
COOLING			Pipe length (m)				
			5	7.5	10	15	20
Height difference H (m)	*1 Indoor unit is upper than outdoor unit	10	-	-	0.991	0.974	0.955
		7.5	-	1.000	0.991	0.974	0.955
		5	1.008	1.000	0.991	0.974	0.955
		0	1.008	1.000	0.991	0.974	0.955
	*2 Indoor unit is under than outdoor unit	-5	1.000	0.992	0.983	0.966	0.948
		-7.5	-	0.988	0.979	0.962	0.944
		-10	-	-	0.975	0.958	0.940

HEATING			Pipe length (m)				
			5	7.5	10	15	20
Height difference H (m)	*1 Indoor unit is upper than outdoor unit	10	-	-	0.979	0.951	0.913
		7.5	-	0.993	0.982	0.953	0.915
		5	1.004	0.995	0.984	0.956	0.918
		0	1.009	1.000	0.989	0.960	0.922
	*2 Indoor unit is under than outdoor unit	-5	1.009	1.000	0.989	0.960	0.922
		-7.5	-	1.000	0.989	0.960	0.922
		-10	-	-	0.989	0.960	0.922

Height difference H



∗1 Indoor unit is upper than outdoor unit.



∗2 Indoor unit is under than outdoor unit.

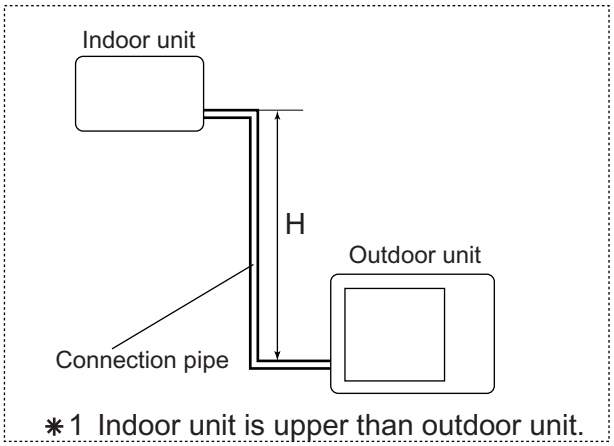
OUTDOOR UNIT
AO∗18-24L2

■MODELS : INDOOR UNIT 14000BTU (AO∗18L2, AO∗24L2)

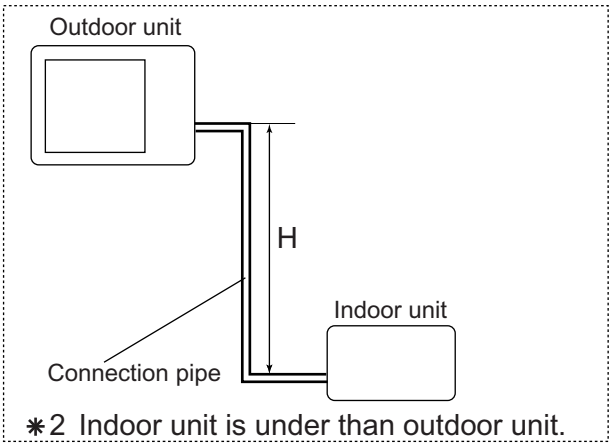
COOLING			Pipe length (m)				
			5	7.5	10	15	20
Height difference H (m)	*1 Indoor unit is upper than outdoor unit	10	-	-	1.000	0.997	0.989
		7.5	-	1.000	1.000	0.997	0.989
		5	1.000	1.000	1.000	0.997	0.989
		0	1.000	1.000	1.000	0.997	0.989
	*2 Indoor unit is under than outdoor unit	-5	0.992	0.992	0.992	0.989	0.981
		-7.5	-	0.988	0.988	0.985	0.977
		-10	-	-	0.984	0.981	0.973

HEATING			Pipe length (m)				
			5	7.5	10	15	20
Height difference H (m)	*1 Indoor unit is upper than outdoor unit	10	-	-	0.982	0.960	0.915
		7.5	-	0.993	0.984	0.962	0.918
		5	1.001	0.995	0.987	0.965	0.920
		0	1.006	1.000	0.992	0.969	0.925
	*2 Indoor unit is under than outdoor unit	-5	1.006	1.000	0.992	0.969	0.925
		-7.5	-	1.000	0.992	0.969	0.925
		-10	-	-	0.992	0.969	0.925

Height difference H



∗1 Indoor unit is upper than outdoor unit.



∗2 Indoor unit is under than outdoor unit.

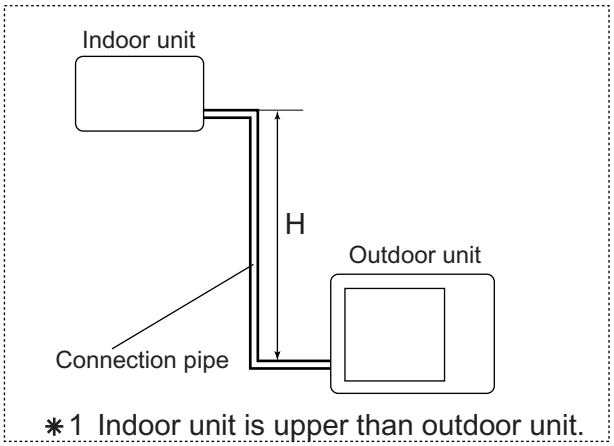
OUTDOOR UNIT
AO∗18-24L2

■MODEL : INDOOR UNIT 18000BTU (AO∗24L2)

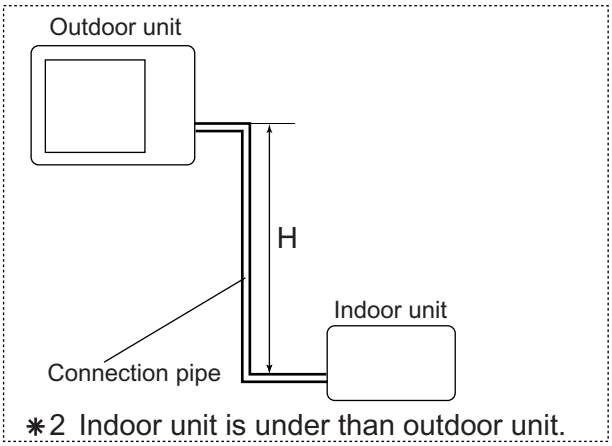
COOLING			Pipe length (m)				
			5	7.5	10	15	20
Height difference H (m)	*1 Indoor unit is upper than outdoor unit	10	-	-	0.996	0.985	0.970
		7.5	-	1.000	0.996	0.985	0.970
		5	1.004	1.000	0.996	0.985	0.970
		0	1.004	1.000	0.996	0.985	0.970
	*2 Indoor unit is under than outdoor unit	-5	0.996	0.992	0.988	0.977	0.962
		-7.5	-	0.988	0.984	0.973	0.958
		-10	-	-	0.980	0.969	0.955

HEATING			Pipe length (m)				
			5	7.5	10	15	20
Height difference H (m)	*1 Indoor unit is upper than outdoor unit	10	-	-	0.973	0.935	0.900
		7.5	-	0.993	0.976	0.938	0.902
		5	1.010	0.995	0.978	0.940	0.905
		0	1.015	1.000	0.983	0.945	0.909
	*2 Indoor unit is under than outdoor unit	-5	1.015	1.000	0.983	0.945	0.909
		-7.5	-	1.000	0.983	0.945	0.909
		-10	-	-	0.983	0.945	0.909

Height difference H



∗1 Indoor unit is upper than outdoor unit.



∗2 Indoor unit is under than outdoor unit.

6. ADDITIONAL CHARGE CALCULATION

■MODELS : AO∗18L2, AO∗24L2

Refrigerant type		R410A
Refrigerant amount	g	1900

●REFRIGERANT CHARGE

Pipe length (Total)	m	～ 30
Additional charge	g	0 (Charge less)

OUTDOOR UNIT
AO∗18-24L2

7. AIR FLOW

■MODEL : AO∗18L2

●COOLING

NUMBER OF ROTATIONS (r.p.m)	AIR FLOW	
780	m^3/h	2800
	l/s	778
	CFM	1648

●HEATING

NUMBER OF ROTATIONS (r.p.m)	AIR FLOW	
780	m^3/h	2800
	l/s	778
	CFM	1648

■MODEL : AO∗24L2

●COOLING

NUMBER OF ROTATIONS (r.p.m)	AIR FLOW	
780	m^3/h	2800
	l/s	778
	CFM	1648

●HEATING

NUMBER OF ROTATIONS (r.p.m)	AIR FLOW	
780	m^3/h	2800
	l/s	778
	CFM	1648

OUTDOOR UNIT
AO∗18-24L2

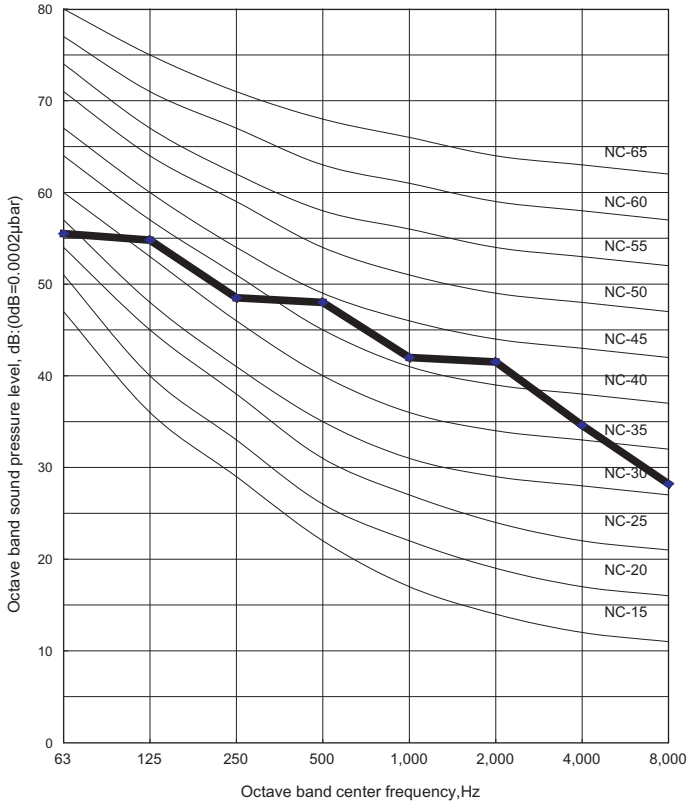
OUTDOOR UNIT
AO∗18-24L2

8. OPERATION NOISE

8-1. NOISE LEVEL CURVE

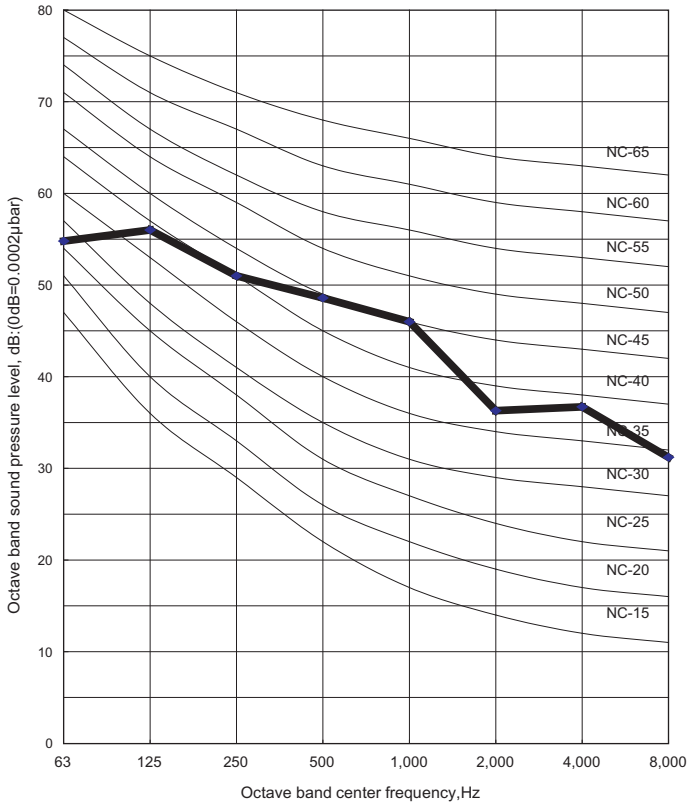
■COOLING

●MODELS : AO∗18L2, AO∗24L2

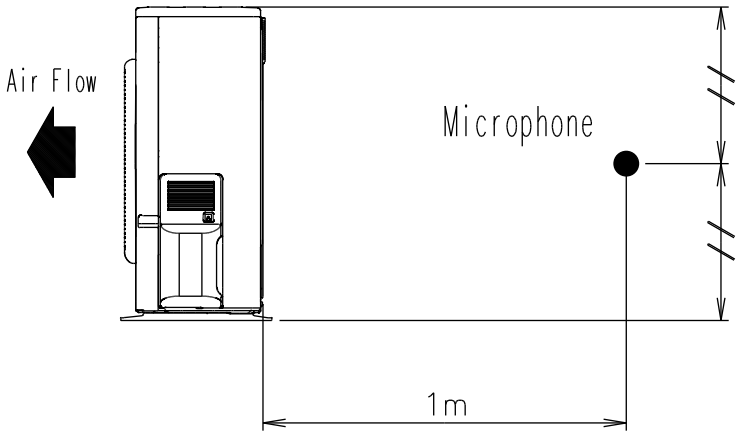


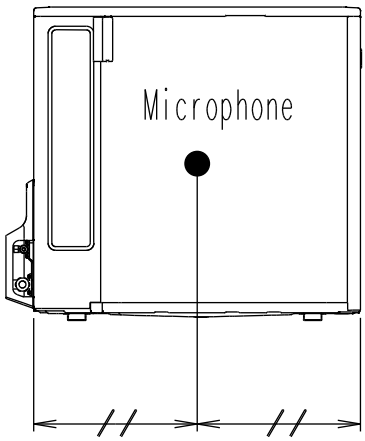
■HEATING

●MODELS : AO∗18L2, AO∗24L2



8-2. SOUND LEVEL CHECK POINT





OUTDOOR UNIT
AO*18-24L2

9. ELECTRIC CHARACTERISTICS

Model Name			AO ∗ 18L2	AO ∗ 24L2
Power Supply	Voltage	V	230～	
	Frequency	Hz	50	
Max Operating Current		A	9.7	12.2
Starting Current		A	10	
*1) Wiring Spec.	Main Fuse (Circuit breaker) Current	A	25	
	Power Cable	mm^2	3.5	
	*2)Limited wiring length	m	37	29

*1) Wiring Spec.
Selected Sample
(Selected based on Japan Electrotechnical Standard and Codes Committee E0005)

*2) Limited Wiring length :
This is the wiring length in case voltage descent is less than 2%.
When the wiring length becomes long, please select the wiring of a more larger diameter.

10. SAFETY DEVICE

	Protection form	Model	
		AO ∗ 18L2	AO ∗ 24L2
Circuit protection	Current fuse (MAIN PCB)	5A 250V	
		3.15A 250V	
	Current fuse (NEAR THE TERMINAL TO POWER SUPPLY)	25A 250V	
Fan motor protection	Thermal protector	OFF : 150°C	
Compressor protection	Thermal protector	OFF : 120°C ON : 85°C	
Refrigerrant circuit protection	Pressure switch	OFF : 4.2±0.10MPa ON : 3.2±0.15MPa	

OUTDOOR UNIT
AO∗18-24L2