



AIR CONDITIONER

Wall Mounted type

DESIGN & TECHNICAL MANUAL

INDOOR



AS*G07LUCA
AS*G09LUCA
AS*G12LUCA
AS*G14LUCA

OUTDOOR



AO*G07LUC
AO*G09LUC



AO*G12LUC
AO*G14LUC

FUJITSU GENERAL LIMITED

1. INDOOR UNIT

WALL MOUNTED TYPE :

AS*G07LUCA

AS*G09LUCA

AS*G12LUCA

AS*G14LUCA

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1. FEATURE

MODEL

AS*G07LUCA / AO*G07LUC
 AS*G09LUCA / AO*G09LUC
 AS*G12LUCA / AO*G12LUC
 AS*G14LUCA / AO*G14LUC



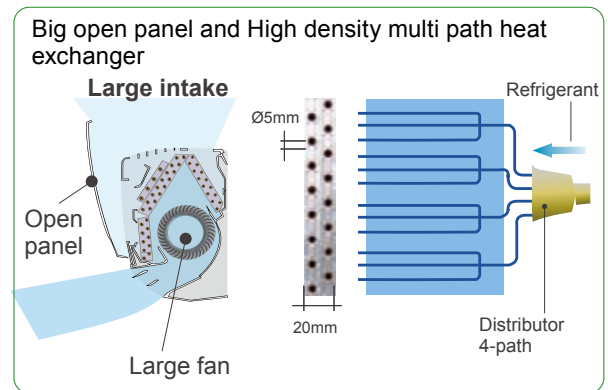
FEATURES

Energy-Efficiency classification A

Europe Energy-Efficiency classification A achieved

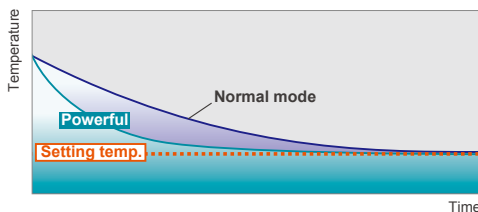
Thin & Slim design

Thin and slim design is realized by $\varnothing 5\text{mm}$ heat exchanger and high efficiency wind blower.



Powerful operation *Only available with Wireless RC.

20 minutes continuous operation by maximum airflow and maximum compressor speed is possible. Rapid cooling and heating makes the room comfortable quickly.

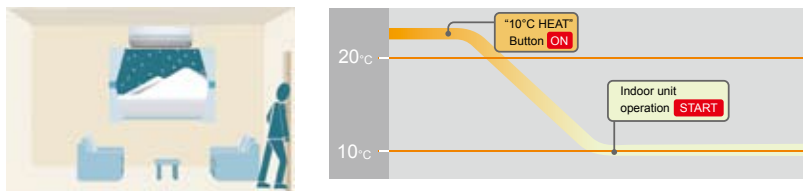


10°C HEAT Operation *Only available with Wireless RC.

The room temperature can be set to go no lower than 10°C, thus ensuring that the room does not get too cold when not occupied

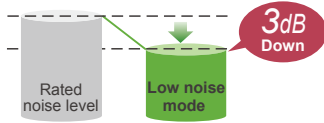
Caution)

- When the room temperature is higher than 10°C, "10°C HEAT" operation does not start. Operation starts and maintains the room temperature at 10°C when the temperature drops below 10°C.
- When "10°C HEAT" operation stops, the room set temperature quickly returns to the preset temperature.



● **Outdoor unit low noise** *Only available with Wireless RC.

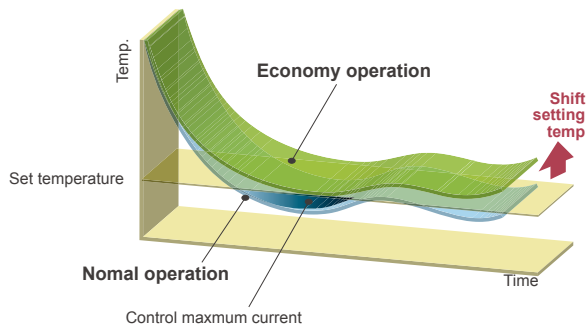
When air-conditioner operates in large capacity, operation noise of outdoor unit will be suppressed. In case of room temperature being close to setting temperature, operation noise might not decrease.



● **Economy operation**

Example : Cooling operation

- Economy operation is energy saving, as the set temperature of indoor unit is shifted by 1°C and the maximum electric value of the outdoor unit is suppressed.

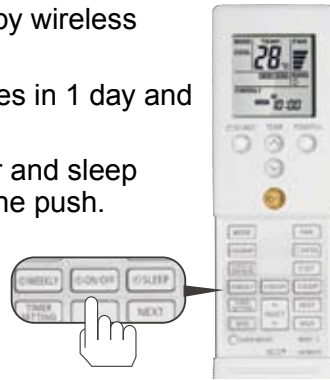


● **3 Mode timer (Weekly/Program/Sleep)** *Only available with Wireless RC.

Weekly timer can be easily set by wireless remote controller.

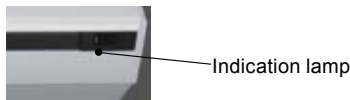
ON, OFF can be set up to 4 times in 1 day and up to 28 times in 1 week.

For other modes, program timer and sleep timer can be also selected by one push.

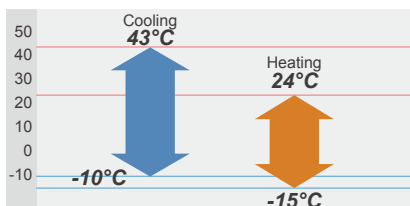


● **Filter sign display**

Indicates the filter cleaning period by lamp.



● **Low outdoor air temperature correspondence**



2. WIRELESS REMOTE CONTROLLER

■ FEATURES



- * 3 Mode timer setup (Weekly / Program / Sleep) are possible.
- * Easy operation.
- * Easy to change signal code (4 patterns) by button operation.

● Simple function setting

Setting of the air conditioner selection function is performed by remote controller.

● Built-in timers

Select from three different timer programs (Weekly / Program / Sleep).

● Weekly timer

Weekly timer can be easily set by wireless remote controller. ON, OFF can be set up to 4 times in 1 day and up to 28 times in 1 week.

● Program timer

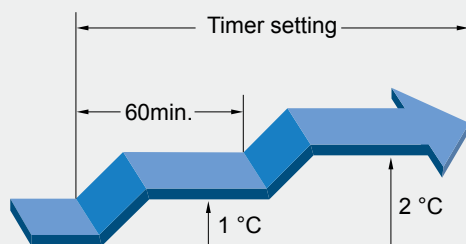
The program timer operates the on and off timer once within a 24 hour period.

● Sleep timer

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

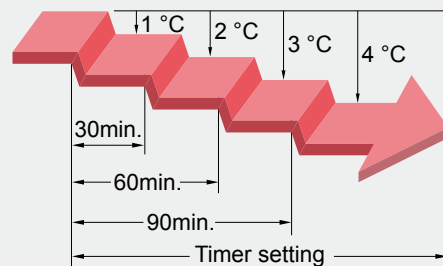
Cooling operation/dry operation

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.

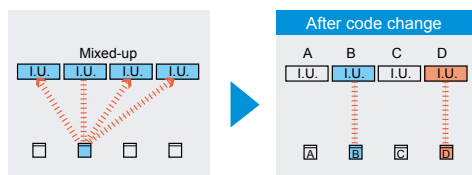


Heating operation

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.



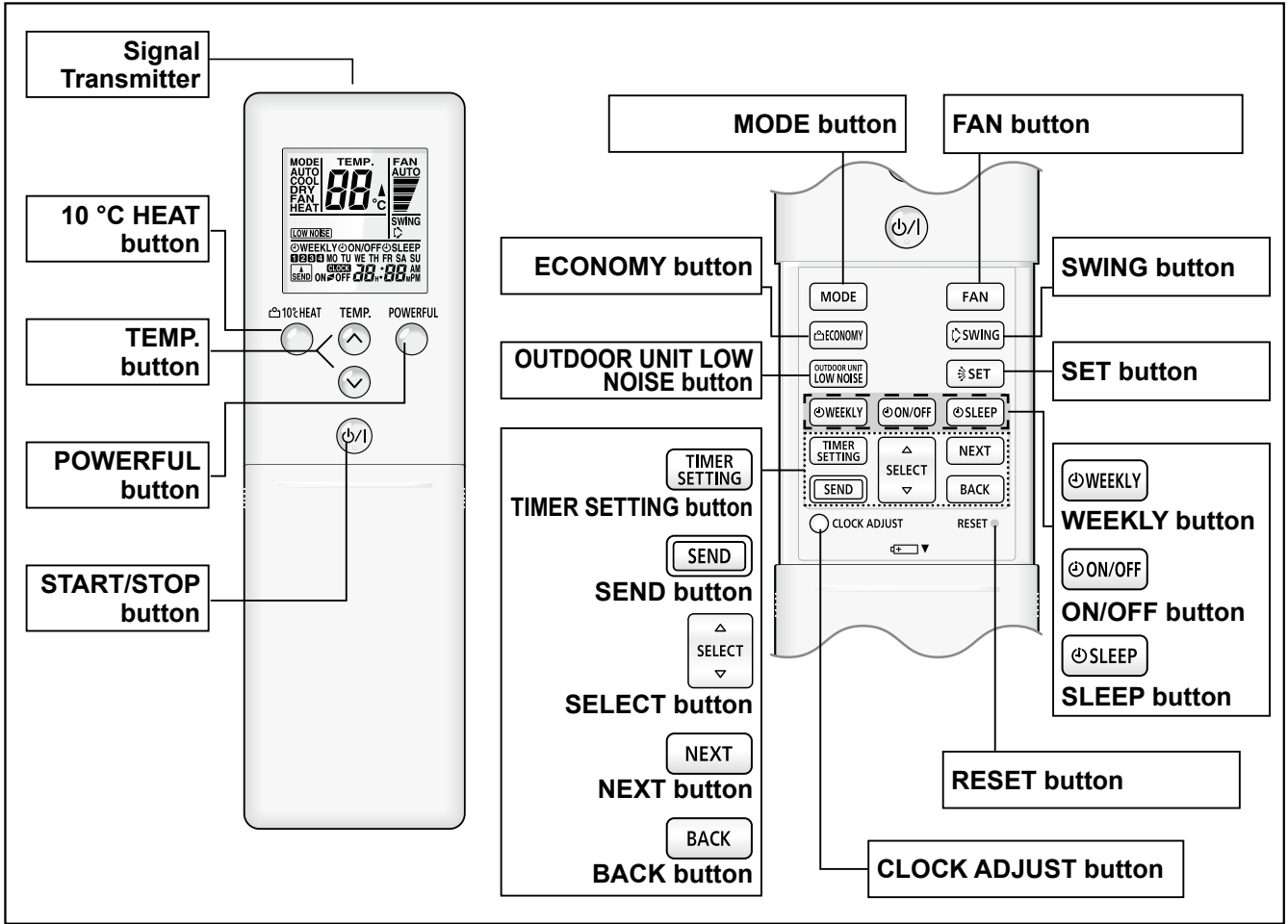
● Switching remote controller signal code



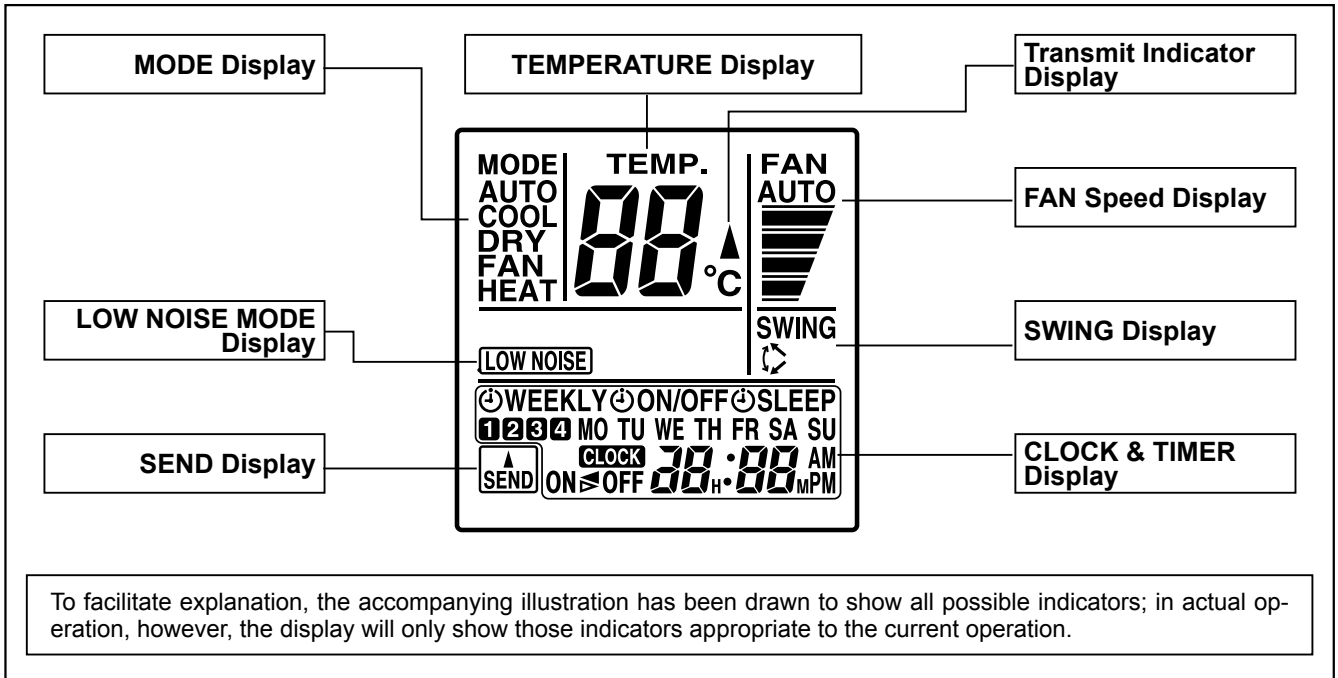
- Code selector switch eliminates unit being wrongly switched. (Up to 4 codes can be set.)

*I.U.=Indoor unit

FUNCTIONS



Display panel



SPECIFICATION

SIZE	(H x W x D mm)	205 x 61 x 17
WEIGHT	(g)	122
ACCESSORY		Holder

3. SPECIFICATIONS

Type				WALL MOUNTED				
				INVERTER HEAT PUMP				
Model name				AS*G07LUCA	AS*G09LUCA	AS*G12LUCA	AS*G014LUCA	
Power source				230V~ 50Hz				
Available voltage range				198-264V~ 50Hz				
European energy label				Cooling	A	A	A	A
				Heating	A	A	A	A
Capacity	Cooling	Rated	kW	2.00	2.50	3.50	4.20	
			BTU/h	6,800	8,500	11,900	14,300	
		Min-Max	kW	0.5-3.0	0.5-3.2	0.9-4.0	0.9-5.0	
			BTU/h	1,700-10,200	1,700-10,900	3,100-13,600	3,100-17,100	
	Heating	Rated	kW	3.00	3.20	4.00	5.40	
			BTU/h	10,200	10,900	13,600	18,400	
		Min-Max	kW	0.5-4.0	0.5-4.2	0.9-5.6	0.9-6.0	
			BTU/h	1,700-13,600	1,700-14,300	3,100-19,100	3,100-20,500	
Input power	Cooling	Rated	kW	0.46	0.555	0.905	1.235	
				Min-Max	0.25-1.19	0.25-1.27	0.25-1.40	0.25-2.03
	Heating	Rated		0.660	0.680	0.930	1.380	
				Min-Max	0.25-1.60	0.25-1.60	0.25-1.99	0.25-2.40
Current	Cooling	Rated	A	2.6	3.1	4.6	5.8	
				Max	6.0	6.0	6.5	9.0
	Heating	Rated		3.4	3.4	4.7	6.3	
				Max	7.5	7.5	9.0	10.5
EER	Cooling		kW/kW	4.35	4.50	3.87	3.40	
COP	Heating		kW/kW	4.55	4.71	4.30	3.91	
SENSIBLE CAPACITY	Cooling		kW	1.33	1.62	2.28	2.78	
POWER FACTOR	Cooling		%	77	78	86	93	
	Heating		%	84	87	86	95	
Moisture removal				l/h(pints/h)	1.0(1.8)	1.3(2.3)	1.8(3.2)	2.1(3.7)
FAN	Airflow rate	Cooling	High	m³/h	680	800	850	900
			Med		620	640	670	740
			Low		530	550	550	570
			Quiet		330	330	330	390
		Heating	High		710	800	850	950
			Med		620	670	710	740
			Low		530	550	550	600
			Quiet		330	330	330	430
	Type× Q'ty				Cross flow fanx1			
	Motor output				W	29		
Sound pressure level	Cooling	High	dB(A)	38	42	43	45	
				Med	35	36	37	40
				Low	31	32	32	33
				Quiet	21	21	21	25
	Heating	High		38	42	43	45	
				Med	35	37	38	40
				Low	31	32	32	34
				Quiet	21	21	21	27
Heat exchanger type	Dimensions (H×W×D)		mm	320x690x20 Sub 84x690x13.3				
	Fin pitch			1.1 Sub 1.4				
	Rows Stages		2x20 Sub 1x4					
	Pipe type		Copper					
	Fin type		Aluminium					
	Material		Polystyrene					
Enclosure		Colour		White Approximate colour of MUNSSELL N9.3/				
Dimensions (H×W×D)	Net		mm	282x870x185				
	Gross			247x920x373				
Weight	Net		kg(lbs)	9.5(21)				
	Gross			12(27)				
Connection pipe	Size	Liquid	mm	Ø6.35(Ø1/4in)				
		Gas		Ø9.52(Ø3/8in)		Ø12.7(Ø1/2in)		
	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		PP+LLDPE					
	Size		mm	Outer diameter:15.8 to 16.7 Inner diameter:13.8				

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:5m,Height difference:0m(Outdoor unit-Indoor unit)

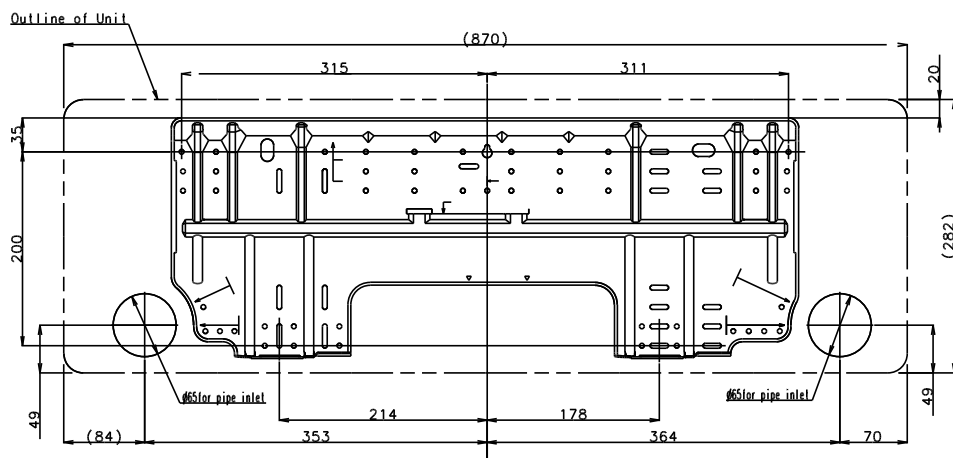
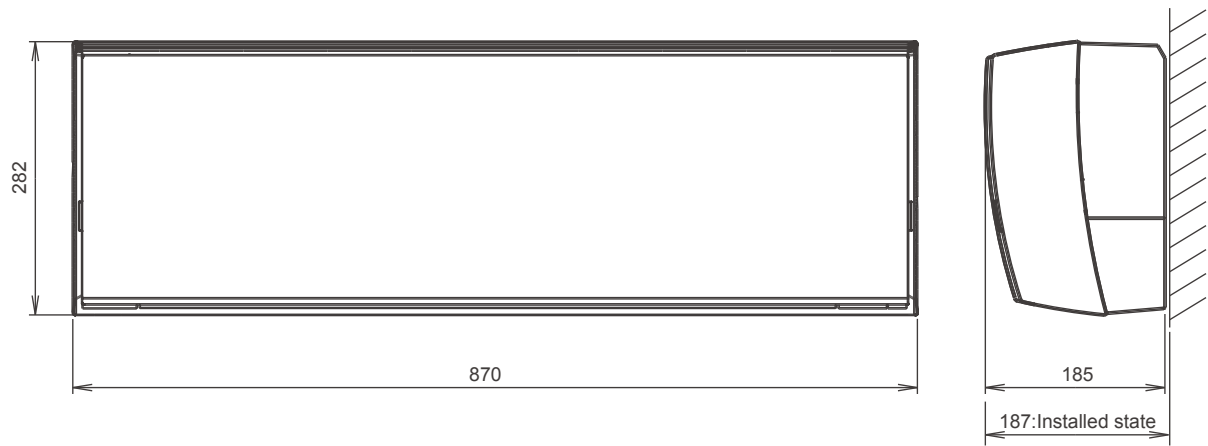
The maximum current is the maximum value when the operated within the operation range(temperature).

The protective function might work when using it outside the operation range.

4. DIMENSIONS

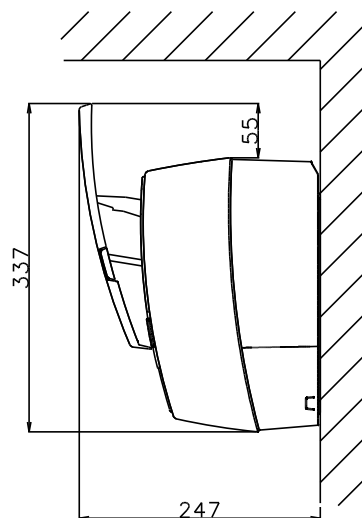
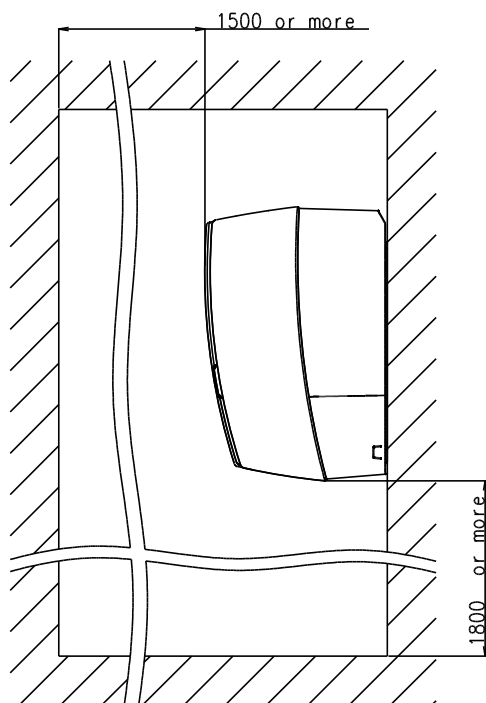
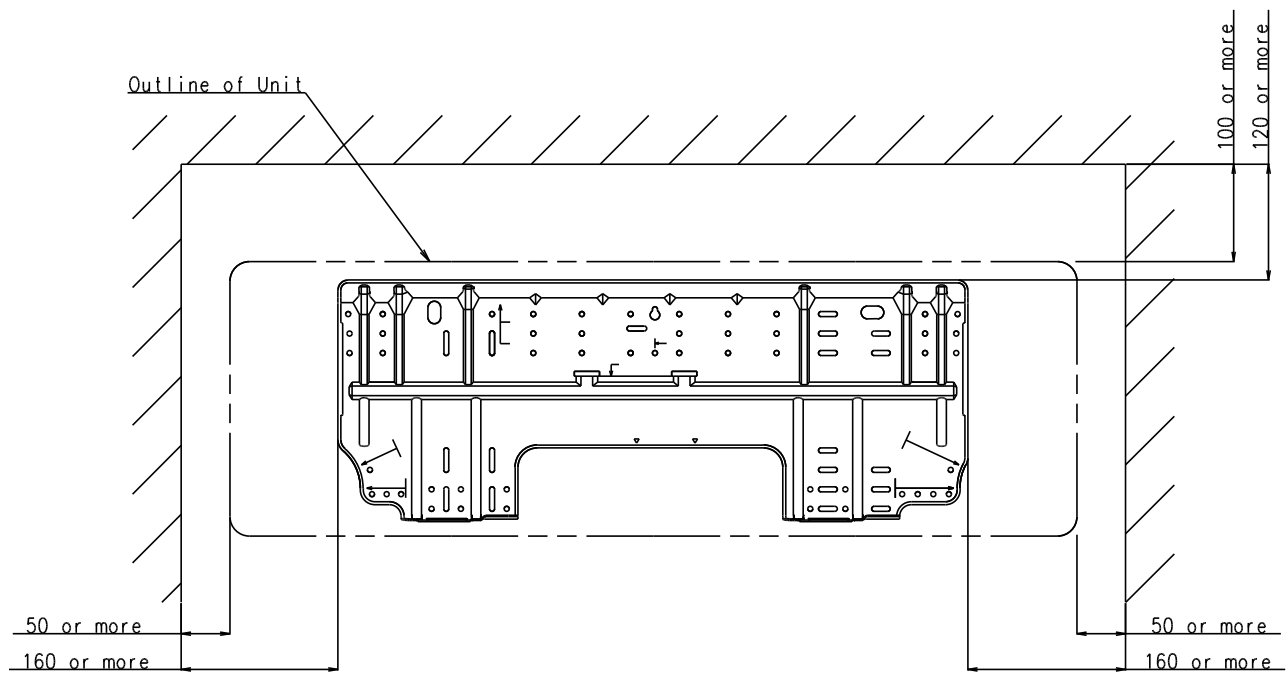
■ MODEL: AS*G07LU, AS*G09LU, AS*G12LU, AS*G14LU

(Unit : mm)



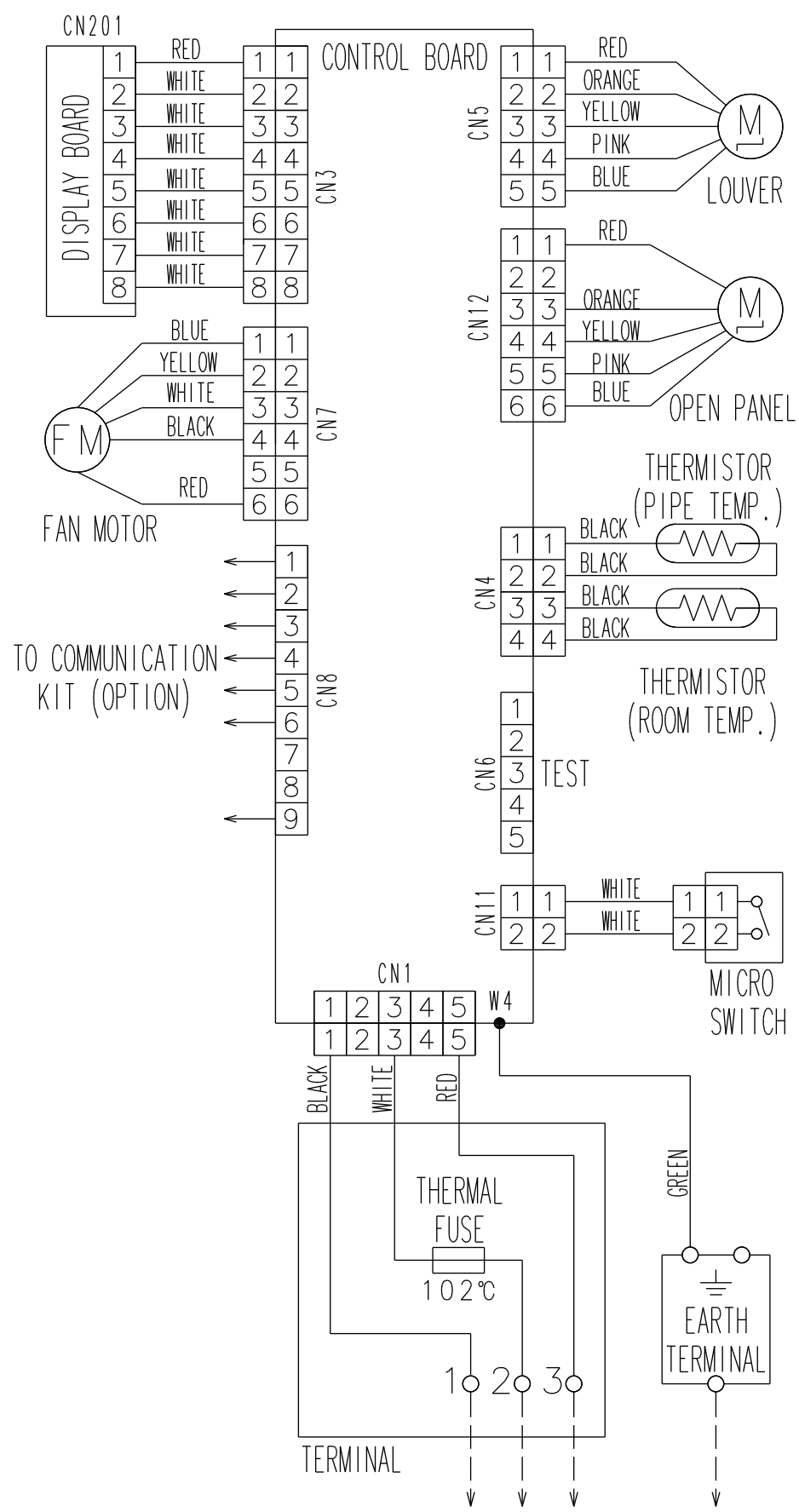
■ INSTALLATION PLACE

(Unit : mm)



5. WIRING DIAGRAMS

■ MODEL: AS *G07LU, AS *G09LU, AS *G12LU, AS *G14LU



6. CAPACITY TABLE

6-1. COOLING CAPACITY

MODEL: AS*G07LU

AFR	11.3
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		Indoor temperature																							
		°CDB			18			21			23			25			27			29			32		
		°CWB			12			15			16			18			19			21			23		
Outdoor temperature	°CDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP			
	20	1.87	1.32	0.32	2.09	1.33	0.33	2.16	1.45	0.33	2.30	1.45	0.33	2.37	1.57	0.33	2.51	1.56	0.34	2.65	1.66	0.34			
	25	1.78	1.26	0.36	1.98	1.26	0.37	2.05	1.37	0.37	2.18	1.38	0.37	2.25	1.49	0.38	2.39	1.48	0.38	2.52	1.58	0.38			
	30	1.68	1.19	0.40	1.87	1.19	0.41	1.94	1.30	0.41	2.06	1.30	0.42	2.13	1.41	0.42	2.25	1.40	0.42	2.38	1.49	0.43			
	35	1.58	1.12	0.44	1.76	1.12	0.45	1.82	1.22	0.45	1.94	1.23	0.46	2.00	1.32	0.46	2.12	1.32	0.46	2.24	1.40	0.47			
	40	1.41	1.00	0.44	1.57	1.00	0.45	1.62	1.09	0.45	1.73	1.09	0.46	1.78	1.18	0.46	1.89	1.17	0.46	2.00	1.25	0.47			
	43	1.31	0.92	0.44	1.45	0.93	0.45	1.50	1.01	0.45	1.60	1.01	0.46	1.65	1.09	0.46	1.75	1.09	0.46	1.85	1.16	0.47			

MODEL: AS*G09LU

AFR	13.3
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		Indoor temperature																							
		°CDB			18			21			23			25			27			29			32		
		°CWB			12			15			16			18			19			21			23		
Outdoor temperature	°CDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP			
	20	2.34	1.62	0.39	2.61	1.63	0.39	2.70	1.77	0.39	2.87	1.78	0.40	2.96	1.92	0.40	3.14	1.91	0.40	3.32	2.04	0.41			
	25	2.22	1.54	0.43	2.48	1.55	0.44	2.56	1.68	0.44	2.73	1.69	0.45	2.81	1.82	0.45	2.98	1.82	0.45	3.15	1.93	0.46			
	30	2.10	1.45	0.48	2.34	1.46	0.49	2.42	1.59	0.49	2.58	1.60	0.50	2.66	1.72	0.50	2.82	1.72	0.50	2.98	1.83	0.51			
	35	1.98	1.37	0.53	2.20	1.38	0.54	2.28	1.50	0.54	2.43	1.50	0.55	2.50	1.62	0.55	2.65	1.61	0.56	2.80	1.72	0.56			
	40	1.76	1.22	0.53	1.96	1.23	0.54	2.03	1.33	0.54	2.16	1.34	0.55	2.23	1.44	0.55	2.36	1.44	0.56	2.50	1.53	0.56			
	43	1.63	1.13	0.53	1.82	1.14	0.54	1.88	1.24	0.54	2.00	1.24	0.55	2.07	1.34	0.55	2.19	1.33	0.55	2.31	1.42	0.56			

MODEL: AS*G12LU

AFR	14.2
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		Indoor temperature																							
		°CDB			18			21			23			25			27			29			32		
		°CWB			12			15			16			18			19			21			23		
Outdoor temperature	°CDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP			
	20	3.28	2.28	0.62	3.65	2.30	0.63	3.77	2.50	0.63	4.02	2.50	0.64	4.15	2.70	0.64	4.40	2.69	0.65	4.64	2.87	0.66			
	25	3.12	2.17	0.70	3.47	2.18	0.71	3.59	2.37	0.72	3.83	2.38	0.73	3.95	2.57	0.73	4.18	2.56	0.74	4.42	2.72	0.74			
	30	2.95	2.05	0.79	3.28	2.06	0.80	3.40	2.24	0.80	3.62	2.25	0.81	3.73	2.43	0.82	3.96	2.42	0.82	4.18	2.57	0.83			
	35	2.77	1.93	0.87	3.08	1.94	0.89	3.19	2.11	0.89	3.40	2.11	0.90	3.50	2.28	0.91	3.71	2.27	0.91	3.92	2.42	0.92			
	40	2.34	1.72	0.81	2.60	1.73	0.82	2.69	1.88	0.83	2.87	1.88	0.84	2.96	2.03	0.84	3.14	2.02	0.85	3.31	2.16	0.86			
	43	2.15	1.59	0.81	2.40	1.60	0.83	2.48	1.74	0.83	2.64	1.75	0.84	2.72	1.89	0.84	2.89	1.88	0.85	3.05	2.00	0.86			

MODEL: AS*G14LU

AFR	15.0
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		Indoor temperature																							
		°CDB			18			21			23			25			27			29			32		
		°CWB			12			15			16			18			19			21			23		
Outdoor temperature	°CDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP			
	20	3.91	2.76	0.86	4.35	2.78	0.87	4.50	3.02	0.88	4.80	3.03	0.89	4.95	3.27	0.89	5.24	3.26	0.90	5.54	3.47	0.91			
	25	3.72	2.63	0.97	4.15	2.65	0.98	4.29	2.88	0.99	4.57	2.89	1.00	4.71	3.12	1.00	5.00	3.11	1.01	5.28	3.31	1.03			
	30	3.53	2.50	1.08	3.93	2.51	1.10	4.07	2.73	1.10	4.34	2.74	1.11	4.47	2.96	1.12	4.74	2.95	1.13	5.01	3.14	1.14			
	35	3.32	2.35	1.19	3.70	2.36	1.21	3.82	2.56	1.22	4.07	2.57	1.23	4.20	2.78	1.24	4.45	2.77	1.25	4.70	2.95	1.26			
	40	2.92	2.06	1.17	3.25	2.07	1.19	3.36	2.25	1.20	3.58	2.26	1.21	3.69	2.44	1.22	3.91	2.43	1.23	4.13	2.59	1.24			
	43	2.66	1.88	1.16	2.96	1.89	1.17	3.06	2.05	1.18	3.26	2.06	1.19	3.36	2.22	1.20	3.56	2.22	1.21	3.77	2.36	1.22			

AFR : Air flow rate (m³/min)
 TC : Total capacity (kW)
 SHC : Sensible Heat capacity (kW)
 IP : Input Power (kW)

6-2. HEATING CAPACITY

■ MODEL: AS*G07LU

AFR	12.2
-----	------

Outdoor temperature		Indoor temperature											
		°CDB)		16		18		20		22		24	
		(°CDB)	(°CWB)	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
-15	-16	2.15	0.83	2.10	0.85	2.05	0.87	2.00	0.88	1.95	0.90		
-10	-11	2.52	0.88	2.46	0.90	2.40	0.92	2.34	0.94	2.28	0.96		
-5	-7	2.77	0.91	2.70	0.93	2.63	0.95	2.57	0.97	2.50	0.98		
0	-2	2.83	0.89	2.76	0.91	2.70	0.93	2.63	0.95	2.56	0.97		
5	3	3.66	0.99	3.58	1.01	3.49	1.03	3.40	1.05	3.31	1.07		
7	6	4.20	1.06	4.10	1.08	4.00	1.10	3.90	1.12	3.80	1.14		
10	8	4.64	1.19	4.53	1.21	4.42	1.24	4.31	1.26	4.20	1.29		
15	10	4.81	1.18	4.70	1.20	4.58	1.23	4.47	1.25	4.35	1.27		

■ MODEL: AS*G09LU

AFR	13.3
-----	------

Outdoor temperature		Indoor temperature											
		°CDB)		16		18		20		22		24	
		(°CDB)	(°CWB)	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
-15	-16	2.31	0.86	2.26	0.88	2.20	0.89	2.15	0.91	2.09	0.93		
-10	-11	2.61	0.91	2.55	0.93	2.49	0.95	2.43	0.97	2.36	0.99		
-5	-7	2.84	0.93	2.77	0.95	2.70	0.96	2.63	0.98	2.57	1.00		
0	-2	2.95	0.89	2.88	0.91	2.81	0.93	2.74	0.95	2.67	0.97		
5	3	3.84	1.00	3.75	1.02	3.66	1.04	3.57	1.06	3.48	1.08		
7	6	4.41	1.07	4.31	1.10	4.20	1.12	4.10	1.14	3.99	1.16		
10	8	4.87	1.19	4.76	1.21	4.64	1.24	4.53	1.26	4.41	1.29		
15	10	5.05	1.18	4.93	1.20	4.81	1.23	4.69	1.25	4.57	1.27		

■ MODEL: AS*G12LU

AFR	14.2
-----	------

Outdoor temperature		Indoor temperature											
		°CDB)		16		18		20		22		24	
		(°CDB)	(°CWB)	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
-15	-16	3.36	1.31	3.28	1.34	3.20	1.37	3.12	1.39	3.04	1.42		
-10	-11	3.89	1.40	3.79	1.43	3.70	1.46	3.61	1.49	3.52	1.51		
-5	-7	4.25	1.45	4.15	1.48	4.04	1.51	3.94	1.54	3.84	1.57		
0	-2	4.36	1.44	4.26	1.47	4.16	1.50	4.05	1.53	3.95	1.56		
5	3	5.29	1.50	5.17	1.53	5.04	1.56	4.91	1.59	4.79	1.62		
7	6	5.88	1.54	5.74	1.57	5.60	1.61	5.46	1.64	5.32	1.67		
10	8	6.50	1.51	6.34	1.54	6.19	1.57	6.03	1.60	5.88	1.63		
15	10	6.73	1.41	6.57	1.44	6.41	1.47	6.25	1.50	6.09	1.53		

■ MODEL: AS*G14LU

AFR	15.8
-----	------

Outdoor temperature		Indoor temperature											
		°CDB)		16		18		20		22		24	
		(°CDB)	(°CWB)	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
-15	-16	3.47	1.31	3.38	1.34	3.30	1.37	3.22	1.39	3.14	1.42		
-10	-11	4.06	1.40	3.96	1.43	3.86	1.46	3.77	1.49	3.67	1.51		
-5	-7	4.43	1.45	4.33	1.48	4.22	1.51	4.12	1.54	4.01	1.57		
0	-2	4.49	1.44	4.38	1.47	4.28	1.50	4.17	1.53	4.06	1.56		
5	3	5.59	1.65	5.45	1.68	5.32	1.71	5.19	1.75	5.05	1.78		
7	6	6.30	1.79	6.15	1.82	6.00	1.86	5.85	1.90	5.70	1.93		
10	8	6.96	1.80	6.80	1.84	6.63	1.88	6.47	1.92	6.30	1.96		
15	10	7.22	1.81	7.04	1.85	6.87	1.89	6.70	1.93	6.53	1.97		

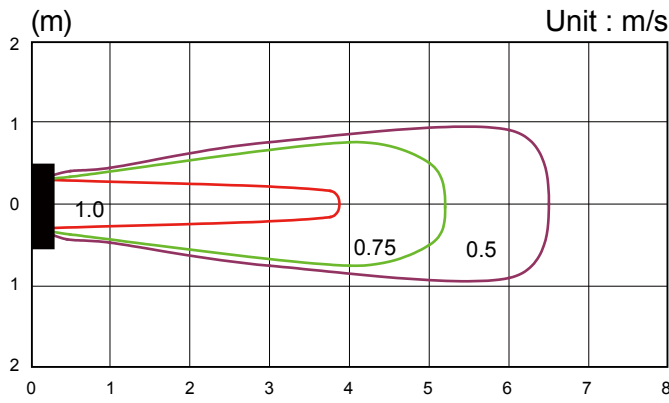
AFR : Air flow rate (m³/min)
TC : Total capacity (kW)
IP : Input Power (kW)

7. FAN PERFORMANCE

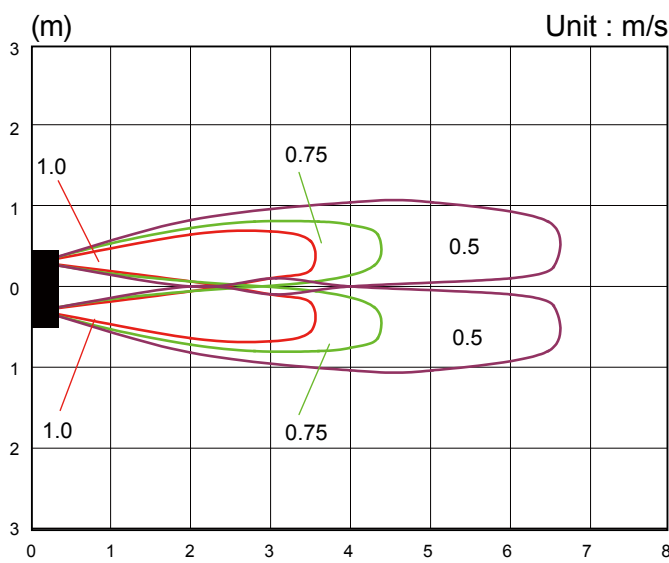
7-1. AIR VELOCITY DISTRIBUTION

Note:
Fan speed : High
Operation mode : FAN

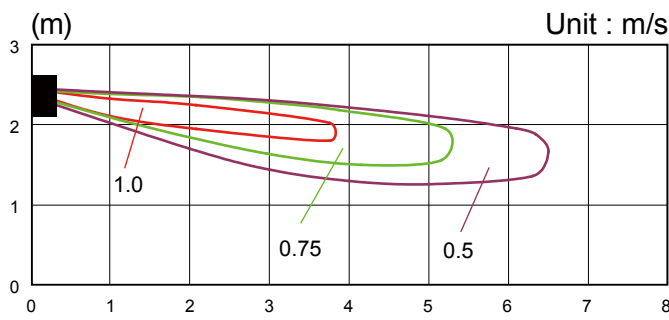
■ MODEL : AS*G07LU



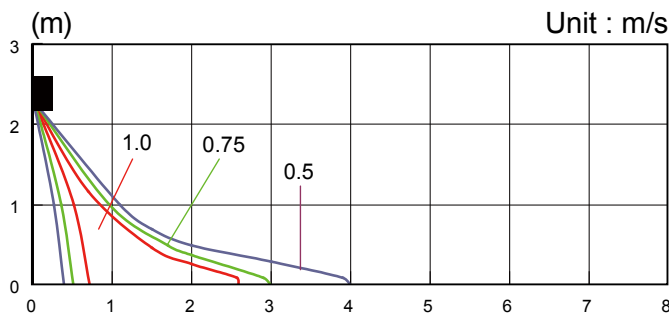
TOP VIEW
Vertical flap : Up
Horizontal flap : Center



TOP VIEW
Vertical flap : Up
Horizontal flap : Right & Left



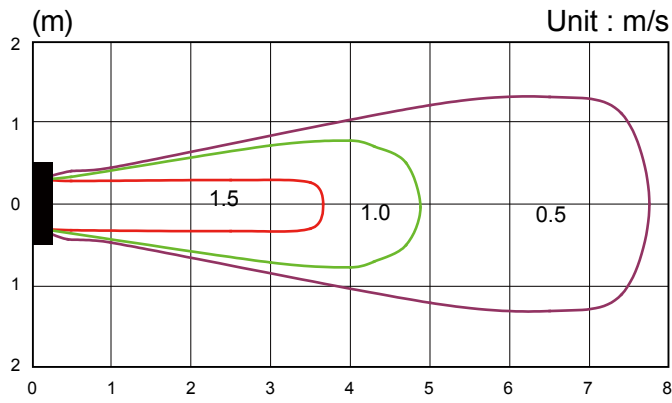
SIDE VIEW
Vertical flap : Up
Horizontal flap : Center



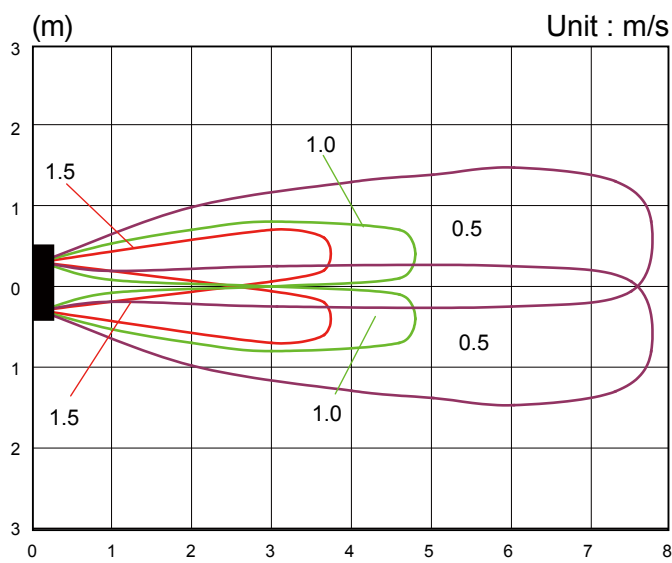
SIDE VIEW
Vertical flap : Down
Horizontal flap : Center

Note:
Fan speed : High
Operation mode : FAN

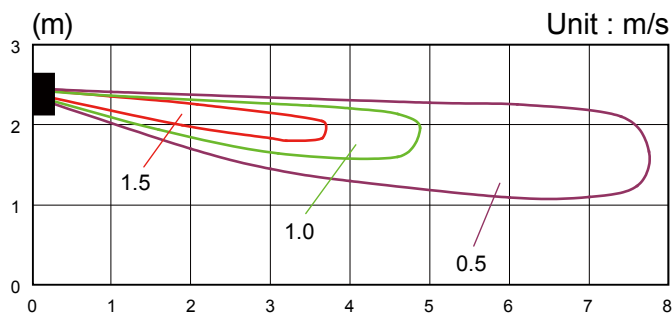
■ MODEL : AS*G09LU



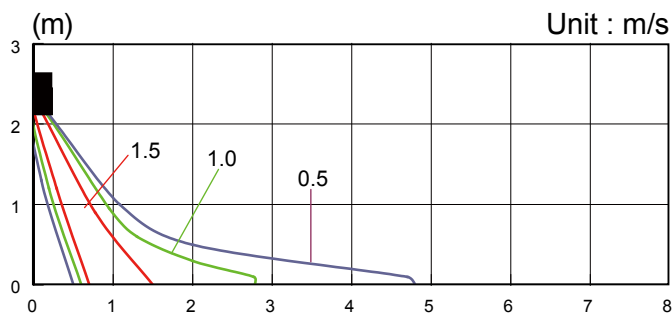
TOP VIEW
Vertical flap : Up
Horizontal flap : Center



TOP VIEW
Vertical flap : Up
Horizontal flap : Right & Left



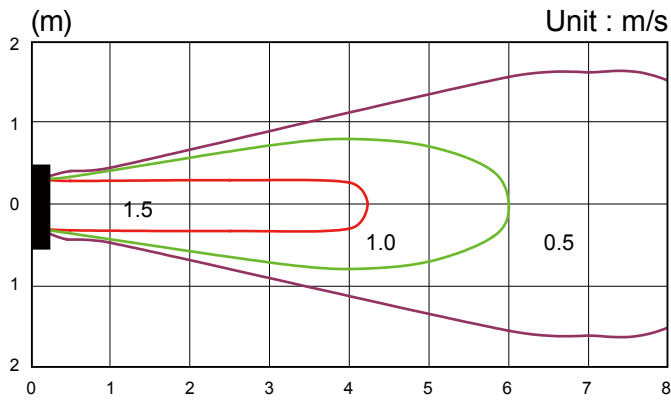
SIDE VIEW
Vertical flap : Up
Horizontal flap : Center



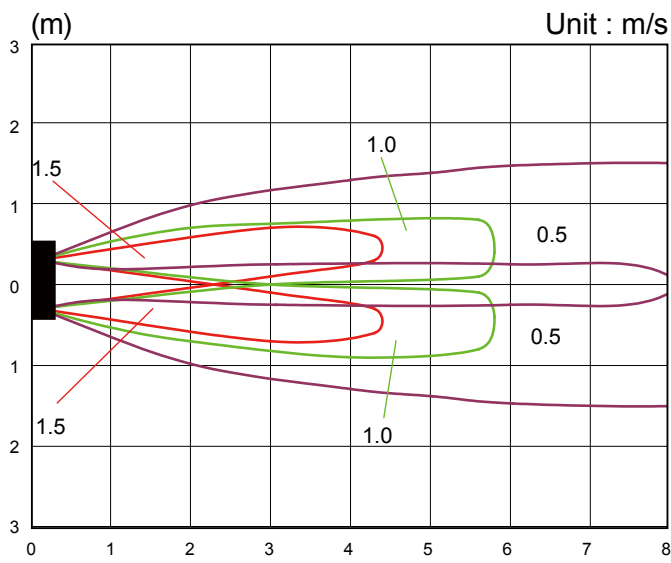
SIDE VIEW
Vertical flap : Down
Horizontal flap : Center

Note:
Fan speed : High
Operation mode : FAN

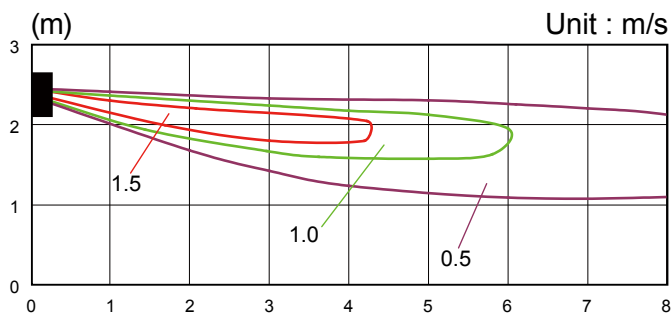
■ MODEL : AS*G12LU, AS*G14LU



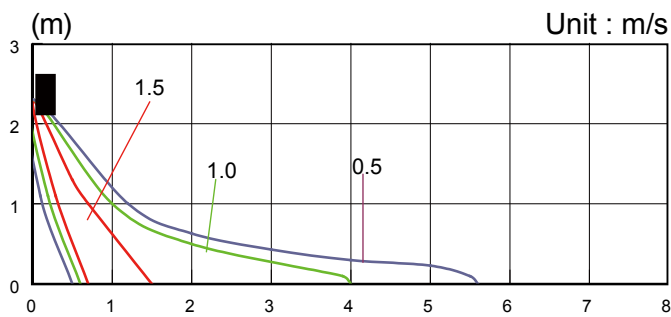
TOP VIEW
Vertical flap : Up
Horizontal flap : Center



TOP VIEW
Vertical flap : Up
Horizontal flap : Right & Left



SIDE VIEW
Vertical flap : Up
Horizontal flap : Center



SIDE VIEW
Vertical flap : Down
Horizontal flap : Center

7-2. AIR FLOW

■ MODEL: AS*G07LU

● Cooling

Fan speed	Number of rotations (r.p.m.)	Air flow	
HIGH	1140	680	m ³ /h
		189	l/s
		400	CFM
MED	1050	620	m ³ /h
		172	l/s
		365	CFM
LOW	930	530	m ³ /h
		147	l/s
		312	CFM
QUIET	650	330	m ³ /h
		92	l/s
		194	CFM

● Heating

Fan speed	Number of rotations (r.p.m.)	Air flow	
HIGH	1180	710	m ³ /h
		197	l/s
		418	CFM
MED	1050	620	m ³ /h
		172	l/s
		365	CFM
LOW	930	530	m ³ /h
		147	l/s
		312	CFM
QUIET	650	330	m ³ /h
		92	l/s
		194	CFM

■ **MODEL: AS*G09LU**

● **Cooling**

Fan speed	Number of rotations (r.p.m.)	Air flow	
HIGH	1300	800	m ³ /h
		222	l/s
		471	CFM
MED	1080	640	m ³ /h
		178	l/s
		376	CFM
LOW	960	550	m ³ /h
		153	l/s
		324	CFM
QUIET	650	330	m ³ /h
		92	l/s
		194	CFM

● **Heating**

Fan speed	Number of rotations (r.p.m.)	Air flow	
HIGH	1300	800	m ³ /h
		222	l/s
		471	CFM
MED	1120	670	m ³ /h
		186	l/s
		394	CFM
LOW	960	550	m ³ /h
		153	l/s
		324	CFM
QUIET	650	330	m ³ /h
		92	l/s
		194	CFM

■ MODEL: AS*G12LU

● Cooling

Fan speed	Number of rotations (r.p.m.)	Air flow	
HIGH	1370	850	m ³ /h
		236	l/s
		500	CFM
MED	1120	670	m ³ /h
		186	l/s
		394	CFM
LOW	960	550	m ³ /h
		153	l/s
		324	CFM
QUIET	650	330	m ³ /h
		92	l/s
		194	CFM

● Heating

Fan speed	Number of rotations (r.p.m.)	Air flow	
HIGH	1370	850	m ³ /h
		236	l/s
		500	CFM
MED	1180	710	m ³ /h
		197	l/s
		418	CFM
LOW	960	550	m ³ /h
		153	l/s
		324	CFM
QUIET	650	330	m ³ /h
		92	l/s
		194	CFM

■ **MODEL: AS*G14LU**

● **Cooling**

Fan speed	Number of rotations (r.p.m.)	Air flow	
HIGH	1440	900	m ³ /h
		250	l/s
		529	CFM
MED	1220	740	m ³ /h
		206	l/s
		435	CFM
LOW	980	570	m ³ /h
		158	l/s
		335	CFM
QUIET	740	390	m ³ /h
		108	l/s
		229	CFM

● **Heating**

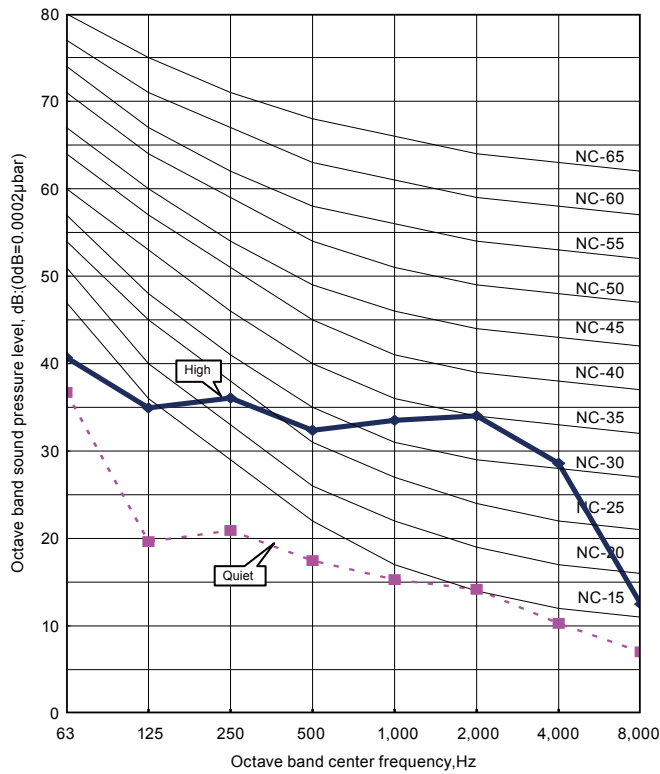
Fan speed	Number of rotations (r.p.m.)	Air flow	
HIGH	1510	950	m ³ /h
		264	l/s
		559	CFM
MED	1220	740	m ³ /h
		206	l/s
		435	CFM
LOW	1030	600	m ³ /h
		167	l/s
		353	CFM
QUIET	790	430	m ³ /h
		119	l/s
		253	CFM

8. OPERATION NOISE

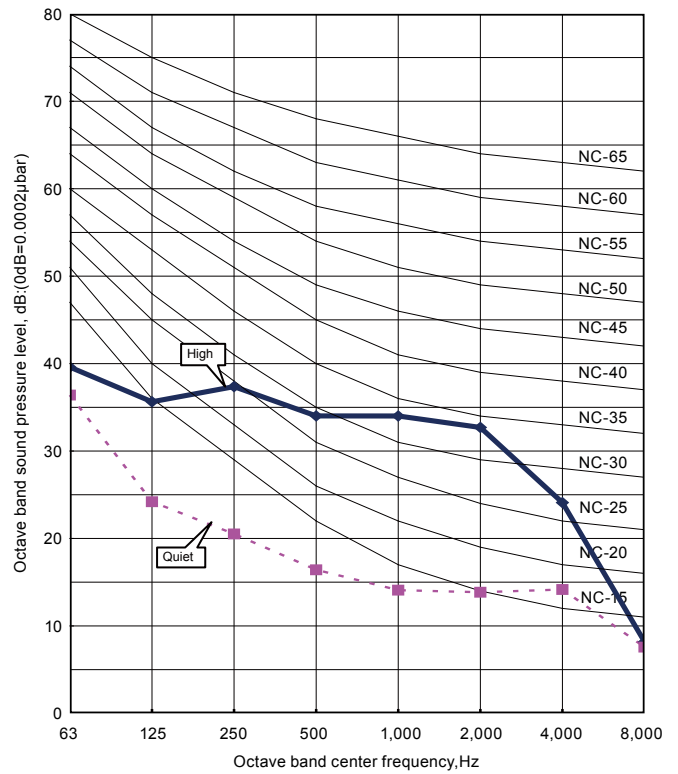
8-1. NOISE LEVEL CURVE

MODEL: AS*G07LU

● Cooling

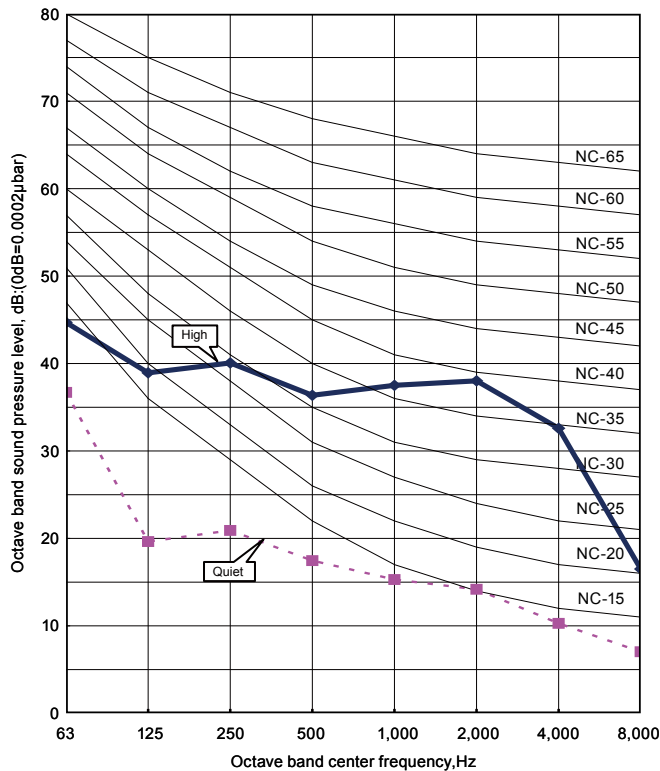


● Heating

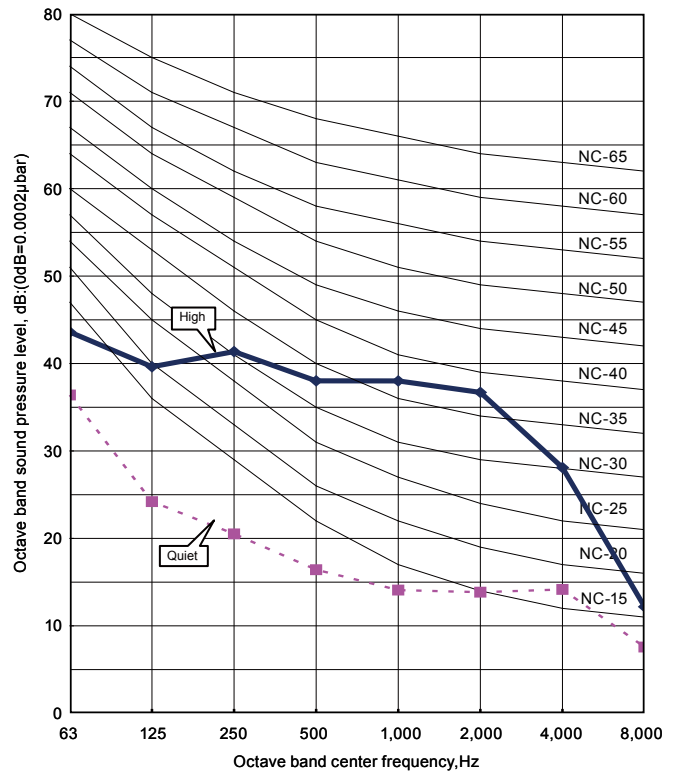


MODEL: AS*G09LU

● Cooling

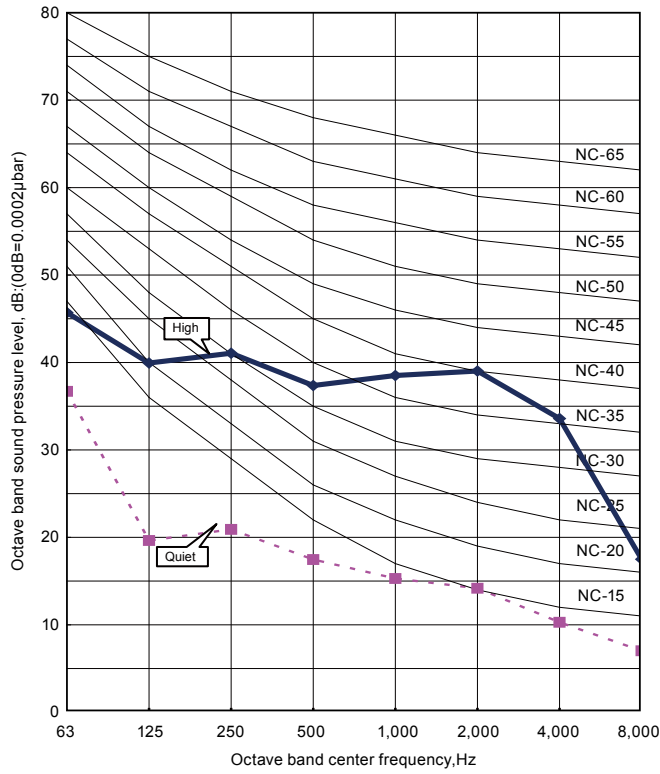


● Heating

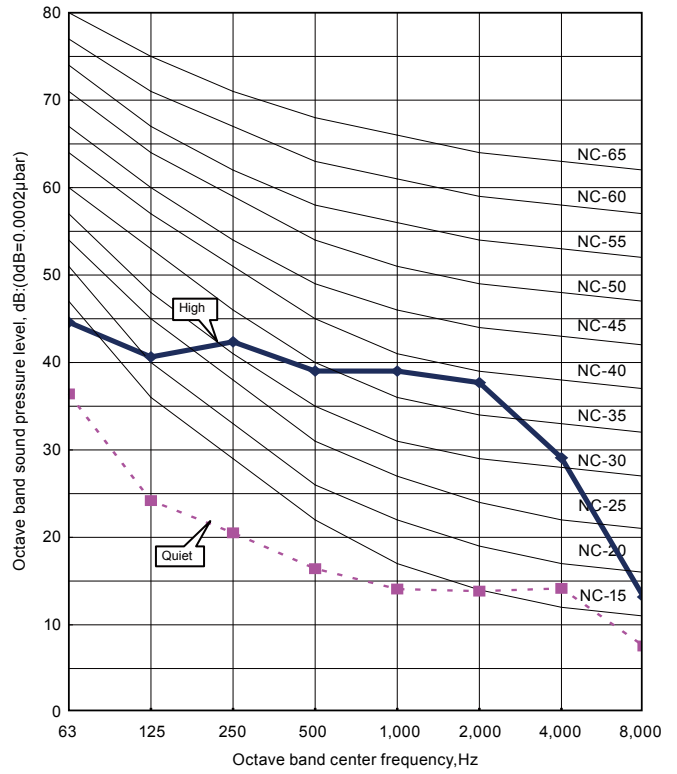


MODEL: AS*G12LU

● Cooling

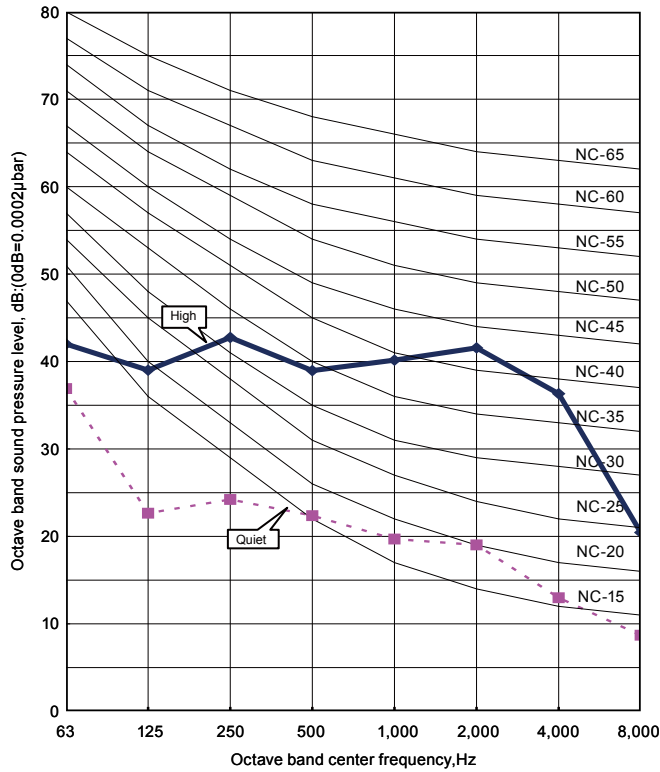


● Heating

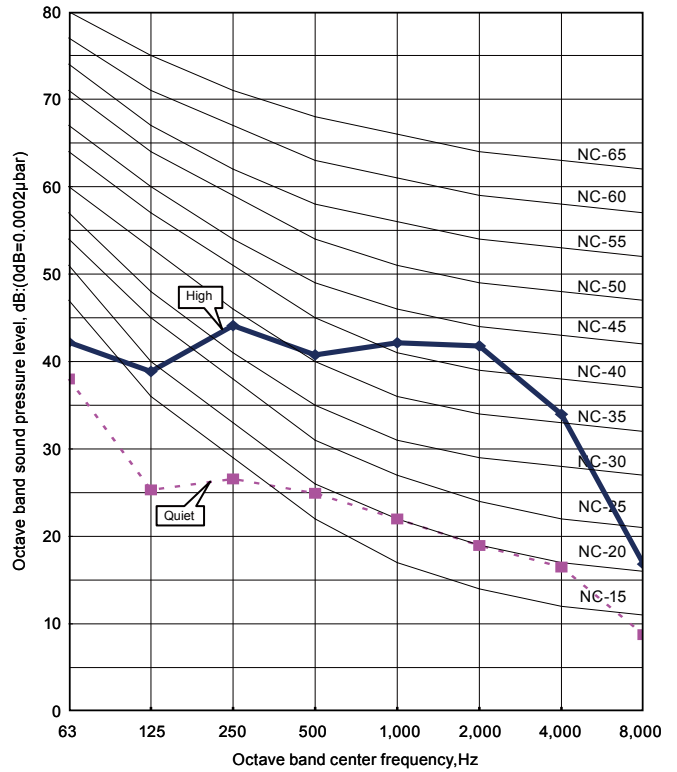


MODEL: AS*G14LU

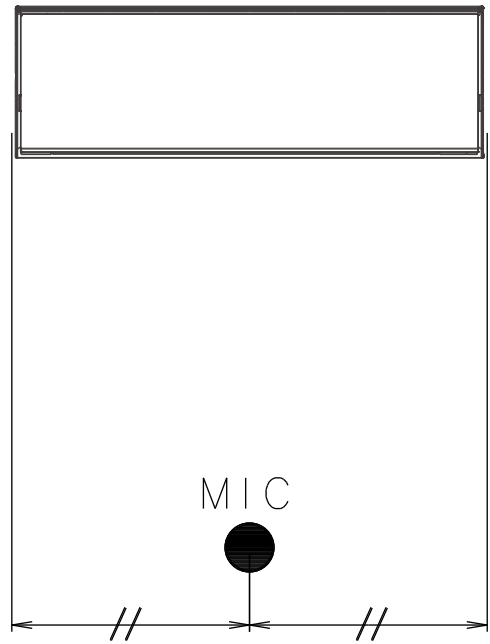
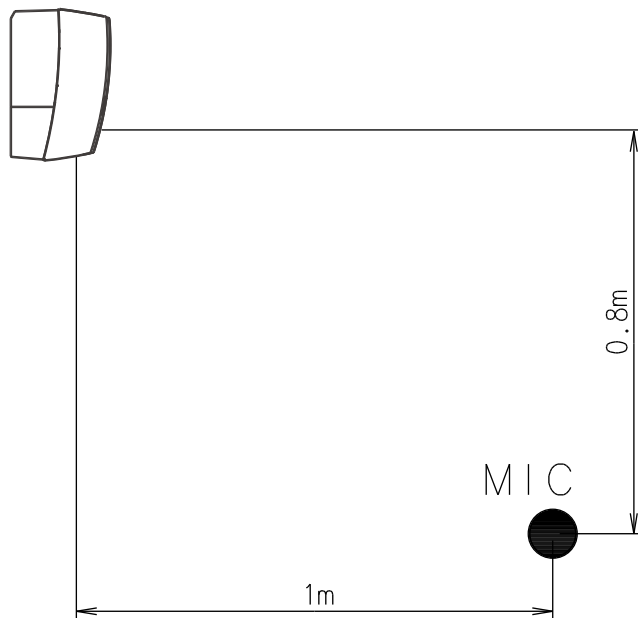
● Cooling



● Heating



8-2. SOUND LEVEL CHECK POINT



9. ELECTRIC CHARACTERISTICS

Model name			AS*G07LU	AS*G09LU	AS*G12LU	AS*G14LU
Power supply	Voltage	V	230~			
	Frequency	Hz	50			
Max. operating current		A	0.4			
*1)Wiring Spec.	Connection cable	mm ²	1.0-1.5		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

	Protection form	Model
		AS*G07LU AS*G09LU AS*G12LU AS*G14LU
Circuit protection	Current fuse (PCB)	3.15A 250V
Terminal protection	Current (thermal) fuse	3A 250V
Fan motor protection	Thermal protector program	100 ⁺¹⁵ ₋₁₀ °C OFF 95 ⁺⁵ ₋₁₀ °C ON

11. EXTERNAL INPUT & OUTPUT

Connector	INPUT	OUTPUT	REMARKS
CNA01	Control input	-	See external input/output settings for details.
CNB01	-	Operation status output	
CNB02	-	Error status output	

11-1. EXTERNAL INPUT

■ CONTROL INPUT (Operation/Stop or Forced stop)

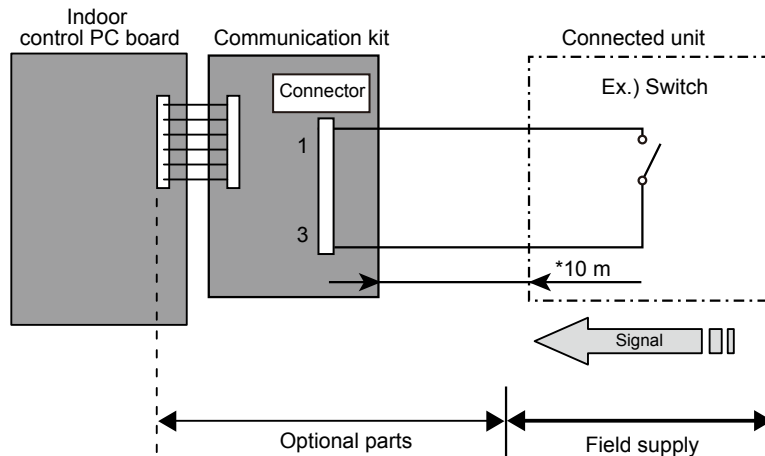
The air conditioner can be remotely operated by means of the following on-site work.

"Operation/Stop" mode or "Forced stop" mode can be selected with function setting of indoor unit.

Operation is started at the following contents by adding the contact input of a commercial ON/OFF switch to a connector on the external control PC board and turning it ON.

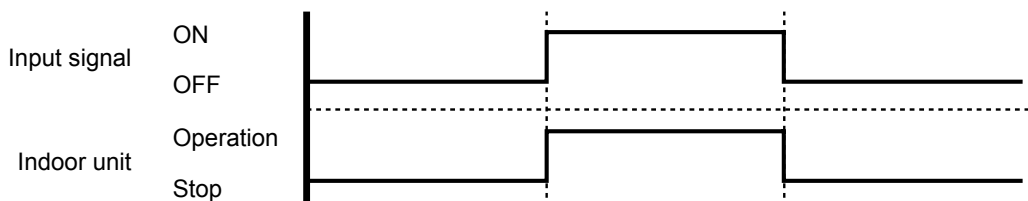
	Initial starting after power turned on	Starting other than at the left
Operation mode	Auto changeover	Mode at previous operation
Set temperature	24°C	Temperature at previous operation
Air flow mode	AUTO	Mode at previous operation
Up-down air direction (swing)	Standard air direction (swing OFF)	Air direction at previous operation
Left-right air direction (swing)	Standard air direction (swing OFF)	Air direction at previous operation

● Circuit diagram example

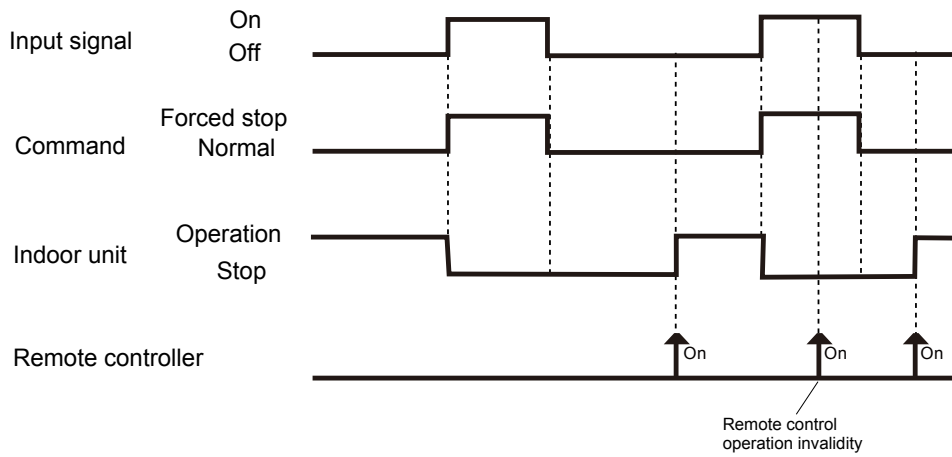


* Make the distance from the PC board to the connected unit within 10m.
Contact capacity : 24VDC or more, 10mA or more.
Please use the non-polar relays and switches.

● When function setting is "Operation/Stop" mode



● When function setting is "Forced stop" mode

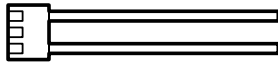


● Parts (Optional)

Parts name	Model name
External connect kit	UTY-XWZXZ5
Communication kit	UTY-TWBXF

*For operating the EXTERNAL function, the Compact wall mounted type requires the communication kit in addition to the wire (UTY-XWZXZ5).

Wire (External input) : UTY-XWZXZ5

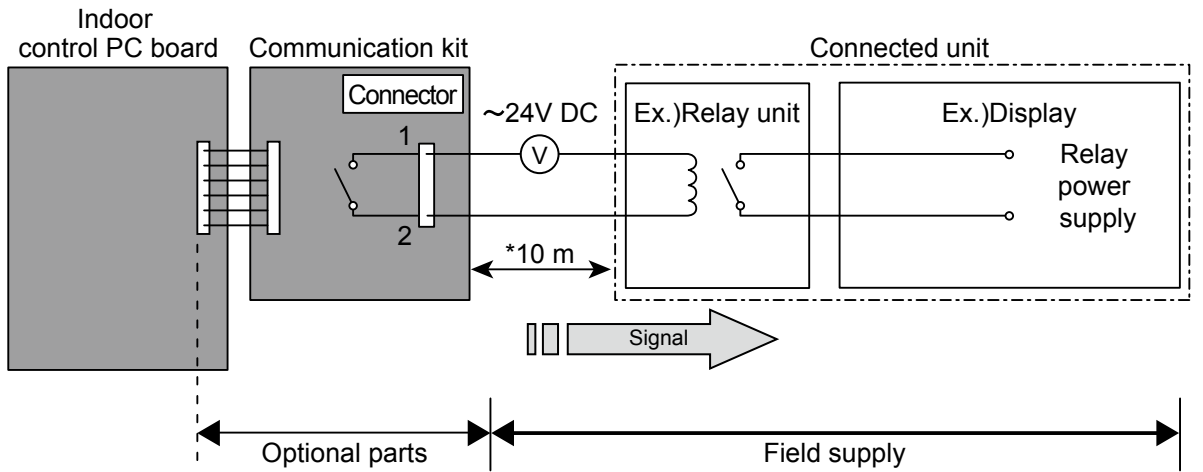


11-2. EXTERNAL OUTPUT

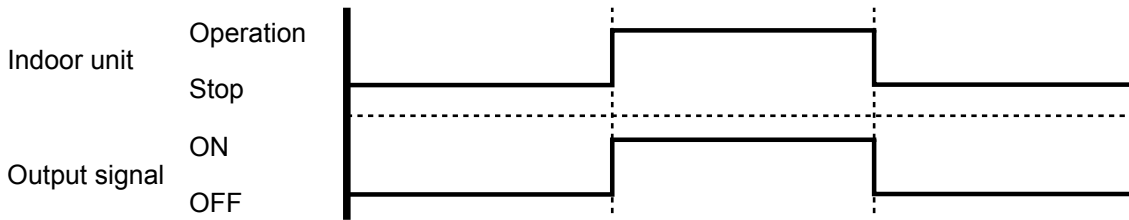
■ OPERATION STATUS OUTPUT

An air conditioner operation status signal can be output.

● Circuit diagram example



* Make the distance from the PC board to the connected unit within 10m.
Relay spec. : Max.24VDC, 10mA to less than 500mA.

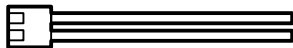


● Parts (Optional)

Parts name	Model name
External connect kit	UTY-XWZXZ5
Communication kit	UTY-TWBXF

*For operating the EXTERNAL function, the wall mounted type requires the communication kit in addition to the wire (UTY-XWZXZ5).

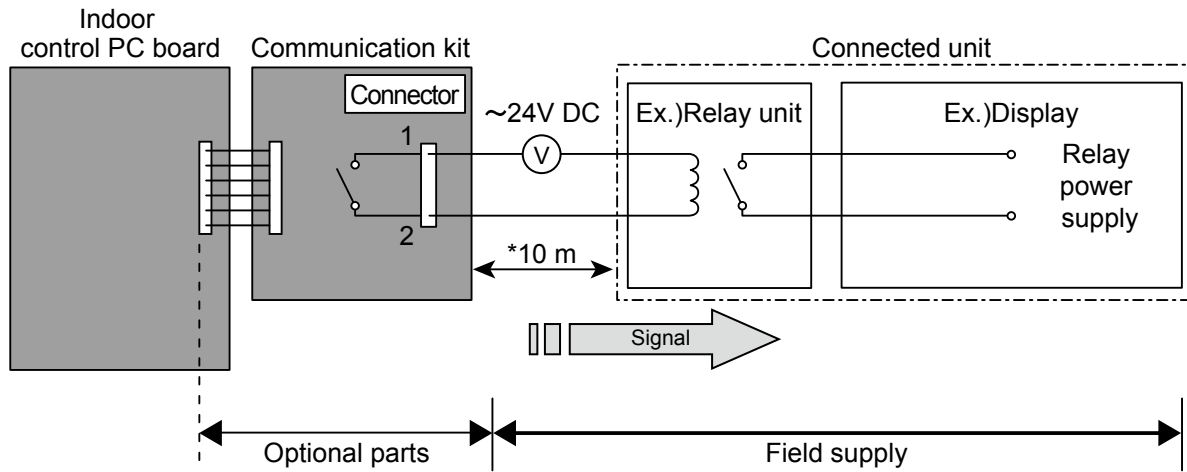
Wire (External output) : UTY-XWZXZ5



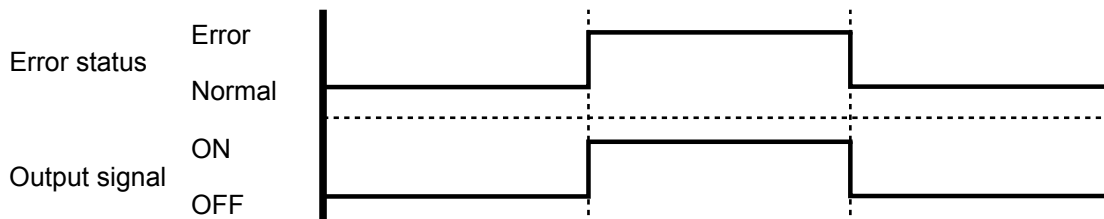
■ ERROR STATUS OUTPUT

An air conditioner error status signal can be output.

● Circuit diagram example



* Make the distance from the PC board to the connected unit within 10m.
Relay spec. : Max.24VDC, 10mA to less than 500mA.



● Parts (Optional)

Parts name	Model name
External connect kit	UTY-XWZXZ5
Communication kit	UTY-TWBXF

*For operating the EXTERNAL function, the wall mounted type requires the communication kit in addition to the wire (UTY-XWZXZ5).

Wire (External output) : UTY-XWZXZ5



12. FUNCTION SETTING

12-1. INDOOR UNIT (Setting by remote controller)

- The function settings of the control of the indoor unit can be changed by this procedure according to the installation conditions. Incorrect settings can cause the indoor unit malfunction.
- After the power is turned on, perform the "FUNCTION SETTING" according to the installation conditions using the remote controller.
- The settings may be selected between the following two: Function Number or Setting Value.
- Settings will not be changed if invalid numbers or setting values are selected.

■ PREPARATION

- Turn on the power
- * By turning on the power indoor units, so make sure the piping air-tight test and vacuuming have been conducted before turning on the power.
- * Also check again to make sure no wiring mistakes were made before turning on the power.

■ FUNCTION SETTING METHOD (for Wireless remote controller)

Perform the "FUNCTION SETTING" according to the installation conditions using the remote controller.

⚠CAUTION
Confirm whether the wiring work for Outdoor unit has been finished.
Confirm that the cover for the electrical enclosure on the outdoor unit is in place.

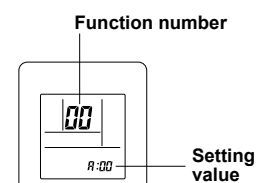
- This procedure changes to the function settings used to control the indoor unit according to the installation conditions. Incorrect settings can cause the indoor unit to malfunction.
- After the power is turned on, perform the "FUNCTION SETTING" according to the installation conditions using the remote controller.
- The settings may be selected between the following two: Function Number or Setting Value.
- Settings will not be changed if invalid numbers or setting values are selected.
- Refer to the installation manual enclosed with the remote control unit when the wired remote control unit (option) is used.
- Adjust the signal code of the indoor unit and the signal code of the remote controller.

Entering the Function Setting Mode

While pressing the POWERFUL button and SET TEMP. (∧) simultaneously, press the RESET button to enter the function setting mode.

Selecting the Function Number and Setting Value

1. Press the SET TEMP. (∧ / ∨) buttons to select the function number. (Press the 10°C HEAT button to switch between the left and right digits.)
2. Press the POWERFUL button to proceed to setting the value. (Press the POWERFUL button again to return to the function number selection.)
3. Press the SET TEMP. (∧ / ∨) buttons to select the setting value. (Press the 10°C HEAT button to switch between the left and right digits.)
4. Press the MODE button, in the order listed to confirm the settings. Please confirm that the beep sounds.
5. Next, please press START/STOP (⏻ / ⏹) button. Please confirm that the beep sounds.
6. Press the RESET button to cancel the function setting mode.
7. After completing the FUNCTION SETTING, be sure to turn off the power and turn it on again.



⚠CAUTION
After turning off the power, wait 10 seconds or more before turning on it again. The Function Setting does not become active unless the power is turned off then on again.

FUNCTION DETAILS

	Functions	Compact wall mounted
1)	Filter sign	●
2)	Cooler room temperature correction	●
3)	Heater room temperature correction	●
4)	Auto restart	●
5)	Indoor room temperature sensor switching function	●
6)	Remote controller signal code	●
7)	External input control	●

1) Filter sign

The indoor unit has a sign to inform the user that it is time to clean the filter. Select the time setting for the filter sign display interval in the table below according to the amount of dust or debris in the room. If you do not wish the filter sign to be displayed, select the setting value for "No indication".

(◆... Factory setting)

Setting description	Function number	Setting value
Standard	11	00
Long interval		01
Short interval		02
No indication		03

The filter sign interval time is different according to Indoor unit type as follows.

Setting description	Compact Wall Mounted
Standard	400 hours
Long interval	1000 hours
Short interval	200 hours

2) Cooler room temperature correction

Depending on the installed environment, the room temperature sensor may require a correction.

The settings may be selected as shown in the table below.

(◆... Factory setting)

Setting description	Function number	Setting value
Standard	30	00
Slightly lower control		01
Lower control		02
Warmer control		03

3) Heater room temperature correction

Depending on the installed environment, the room temperature sensor may require a correction.

The settings may be changed as shown in the table below.

(◆... Factory setting)

Setting description	Function number	Setting value
Standard	31	00
Lower control		01
Slightly warmer control		02
Warmer control		03

4) Auto restart

Enable or disable automatic system restart after a power outage.

(◆... Factory setting)

Setting description	Function number	Setting value
◆ Yes	40	00
No		01

*Auto restart is an emergency function such as for power failure etc.
Do not start and stop the indoor unit by this function in normal operation.
Be sure to operate by the control unit, or external input device.

5) Indoor room temperature sensor switching function

(Only for Wired remote controller)

The following settings are needed when use the control by Wired remote controller temperature sensor.

(◆... Factory setting)

Setting description	Function number	Setting value
◆ No	42	00
Yes		01

*If setting value is "00" :
Room temperature is controlled by the indoor unit temperature sensor.

*If setting value is "01" :
Room temperature is controlled by either indoor unit temperature sensor or remote controller unit sensor.

6) Remote controller signal code

Change the indoor unit Signal Code, depending on the remote controllers.

(◆... Factory setting)

Setting description	Function number	Setting value
◆ A	44	00
B		01
C		02
D		03

7) External input control

"Operation/Stop" mode or "Forced stop" mode can be selected.

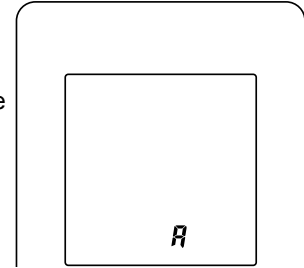
(◆... Factory setting)

Setting description	Function number	Setting value
◆ Operation/Stop mode	46	00
(Setting forbidden)		01
Forced stop mode		02

■ REMOTE CONTROLLER SIGNAL CODE SETTING

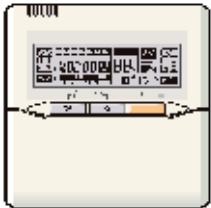


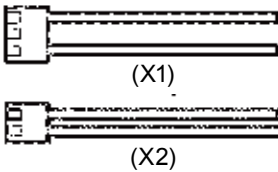


Use the following steps to select the signal code of the remote controller. (Note that the air conditioner cannot receive a signal code if the air conditioner has not been set for the signal code.)

1. Press the START/STOP (⏻ / ⏩) button until only the clock is displayed on the remote controller display.
2. Press the MODE button for at least 5 seconds to display the current signal code (initially set to **A**).
3. Press the SET TEMP. (∧ / ∨) buttons to change the signal code between **A** → **b** → **c** → **d**.
Match the code on the display to the air conditioner signal code.
4. Press the MODE button again to return to the clock display. The signal code will be changed.



- If no buttons are pressed within 30 seconds after the signal code is displayed, the system returns to the original clock display. In this case, start again from step 1.
- The air conditioner signal code is set to A prior to shipment.

13. OPTIONAL PARTS

Exterior	Parts name	Model No.	Summary
	Wired remote controller	UTY-RNNYM	Unit control is performed by wired remote controller. *Optional communication kit is necessary for the installation.
	Simple remote controller	UTY-RSNYM	Unit control is performed by simple remote controller. *Optional communication kit is necessary for the installation.
	Communication kit	UTY-TWBXF	Use to connect with optional devices and air conditioner PC board.
 <p>(X1)</p> <p>(X2)</p>	External connect kit	UTY-XWZXZ5	Required when external device is connected. *Optional communication kit is necessary for the installation.
	Apple-catechin filter	UTR-FA16	Fine dust, invisible mold spores, and harmful microorganisms are absorbed onto the filter by static electricity, and further growth is inhibited and deactivated by the polyphenol ingredient extracted from apples.
	Ion deodorisation filter	UTR-FA16-2	The filter deodorizes by powerfully decomposing absorbed odors using the oxidizing and reducing effects of ions generated by the ultra fine-particle ceramic.

2. OUTDOOR UNIT

SINGLE TYPE :

AO*G07LUC

AO*G09LUC

AO*G12LUC

AO*G14LUC

CONTENTS

2. OUTDOOR UNIT

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1. SPECIFICATIONS

OUTDOOR UNIT
AO*G07-14LU

OUTDOOR UNIT
AO*G07-14LU

Type			INVERTER COOLING & HEATING					
Model name			AO*G07LUC	AO*G09LUC	AO*G12LUC	AO*G14LUC		
Power source			230V~ 50Hz					
Available voltage range			198-264V ~ 50Hz					
Starting current			A	3.4	3.4	4.7	6.3	
Fan	Airflow rate	Cooling	m ³ /h	1,720	1,720	1,940	1,940	
		Heating		1,510	1,510	1,700	1,700	
	Type × Q'ty		Propeller fan×1					
	Motor output		W	23		50		
Sound pressure level		Cooling	dB(A)	46	48	50	50	
		Heating		46	48	50	50	
Heat exchanger type		Dimensions (H × W × D)	mm	504 × 642 × 18.2	504 × 642 × 36.4	504 × 896 × 36.4		
		Fin pitch		1.3	1.4	1.3		
		Rows x Stages	1 × 24	2 × 24				
		Pipe type	Copper					
		Fin type	Aluminium					
Compressor	Type × Q'ty		Rotary ×1					
	Motor output		W	500		750		
Refrigerant		Type	R410A					
		Charge	g	700	850	1,050	1,050	
Refrigerant oil		Type	POE(VG74)					
Enclosure		Material	Steel					
		Colour	Beige Approximate colour of MUNSELL 10YR7.5/1.0					
Dimensions (H×W×D)		Net	mm	540 × 660 × 290		540 × 790 × 290		
		Gross		610 × 807 × 395		633 × 945 × 395		
Weight		Net	kg(lbs.)	23(51)	25(55)	33(73)	34(75)	
		Gross		27(60)	28(62)	37(82)	38(84)	
Connection pipe		Size	Liquid	Ø6.35 (Ø1/4 in.)			Ø6.35 (Ø1/4 in.)	
			Gas	Ø9.52 (Ø3/8 in.)			Ø12.7 (Ø1/2 in.)	
		Method		Flare				
		Pre-charge length		m	15			
		Max. length			20			
Max. height difference		15						
Operation range		Cooling	°C	-10 to 43				
		Heating		-15 to 24				

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 : 5 m, Height difference : 0 m.(Outdoor unit - Indoor unit)

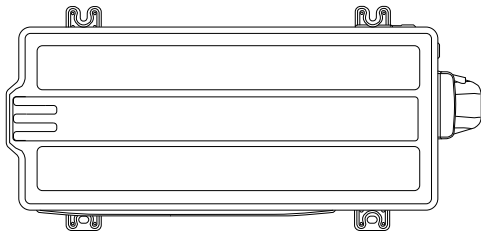
The maximum current is the maximum value when the operated within the operation range (temperature).

The protective function might work when using it outside the operation range.

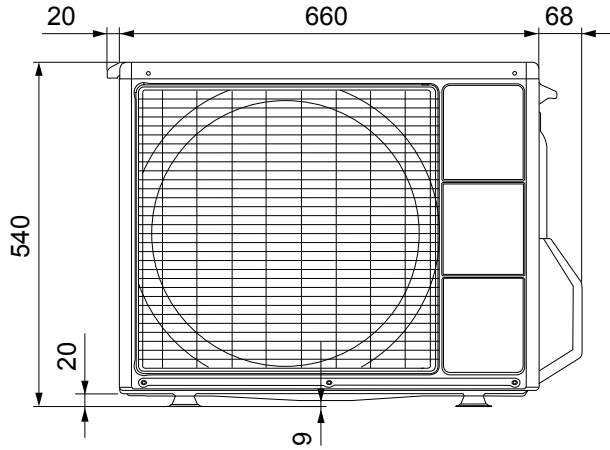
2. DIMENSIONS

■ MODEL: AO*G07LU, AO*G09LU

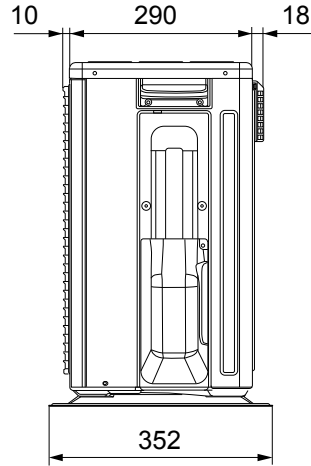
(Unit : mm)



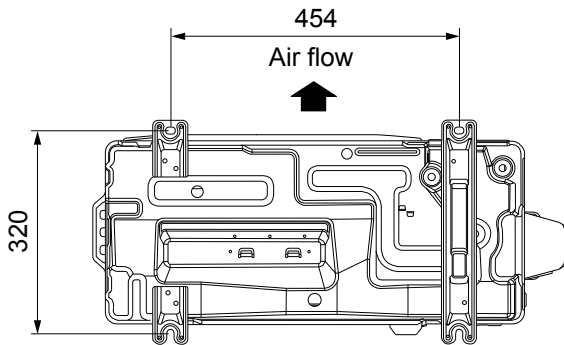
Top view



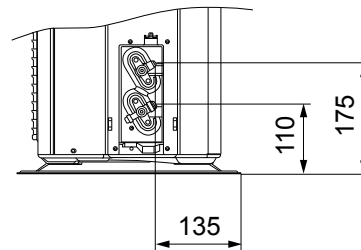
Front view



Side view

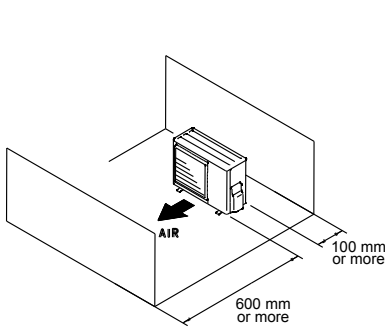


Bottom view

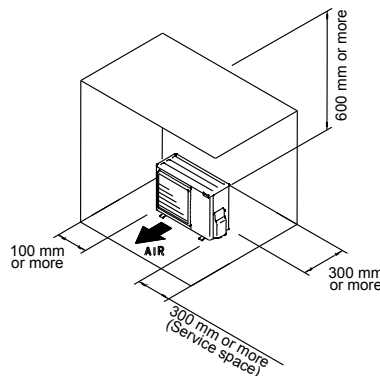


■ INSTALLATION PLACE

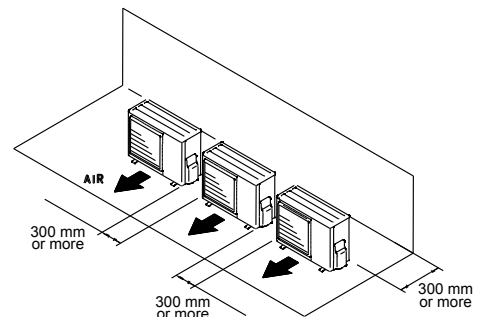
When there are obstacles at the back or front sides.



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.

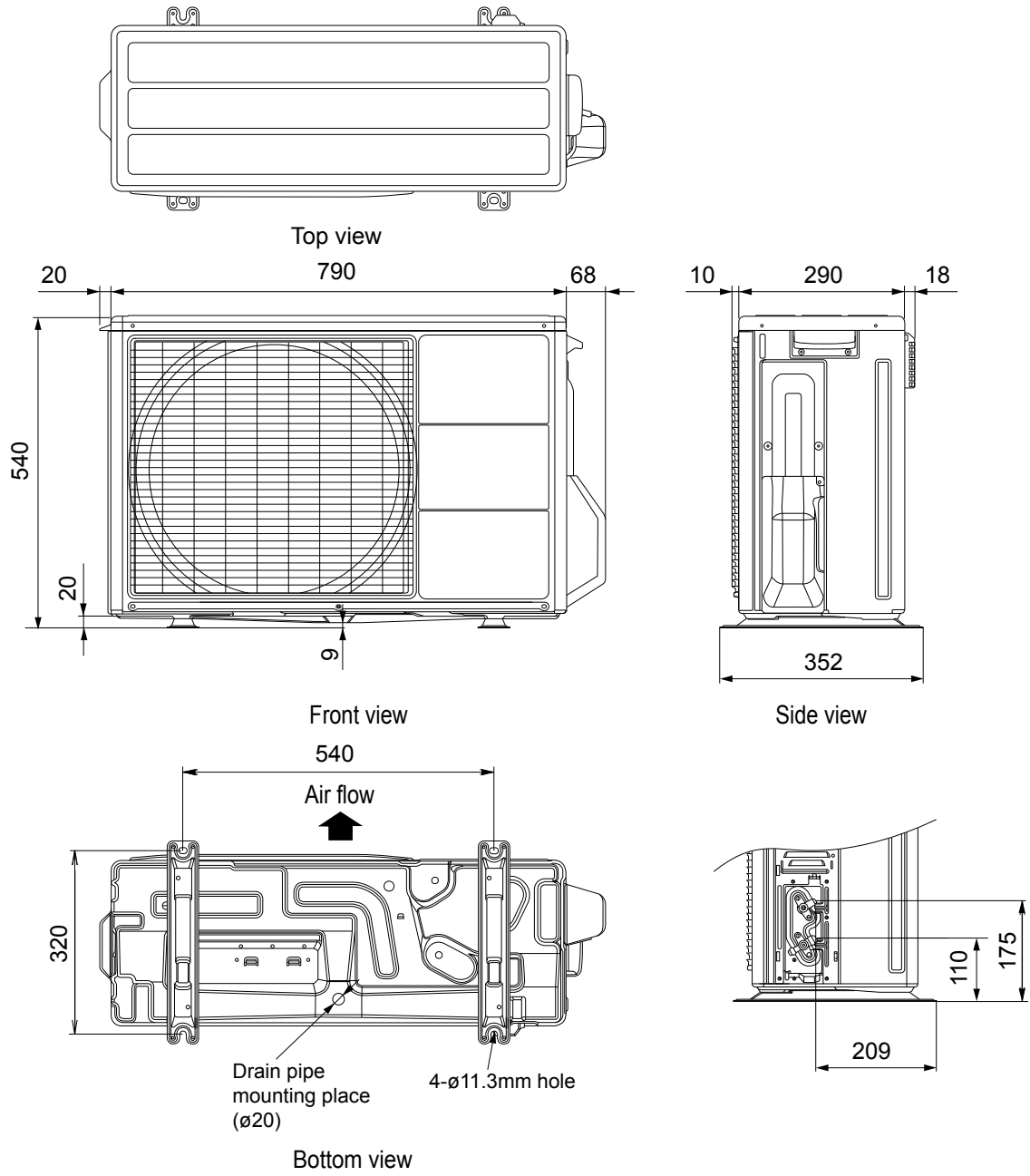


MODEL: AO*G12LU, AO*G14LU

(Unit : mm)

OUTDOOR UNIT
AO*G07-14LU

OUTDOOR UNIT
AO*G07-14LU

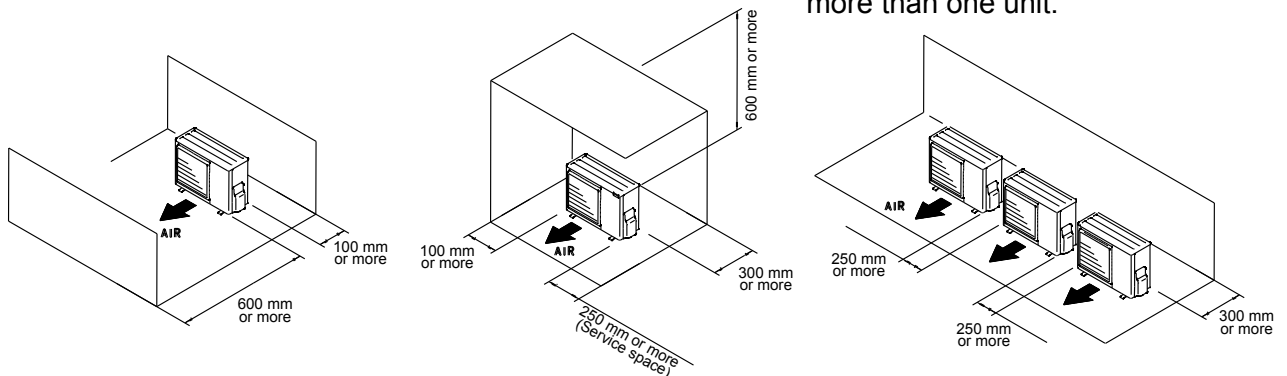


INSTALLATION PLACE

When there are obstacles at the back or front sides.

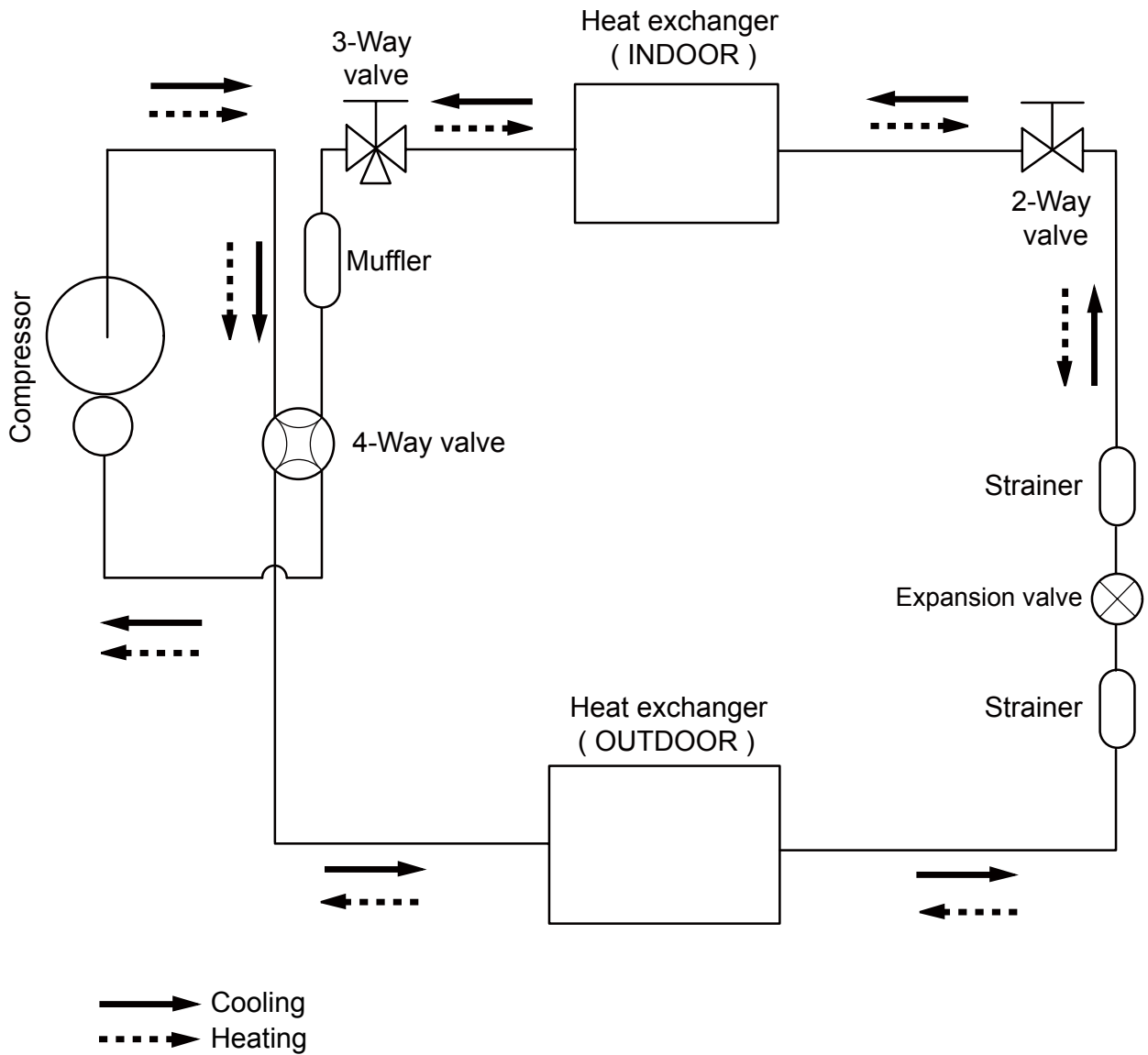
When there are obstacles at the back, side(s), and top.

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



3. REFRIGERANT CIRCUIT

■ MODEL: AO*G07LU, AO*G09LU, AO*G12LU, AO*G14LU



Refrigerant pipe diameter
 Liquid : 1/4" (6.35 mm)
 Gas : 3/8" (9.52 mm) : 07/09/12LU
 1/2" (12.70mm) : 14LU

OUTDOOR UNIT
AO*G07-14LU

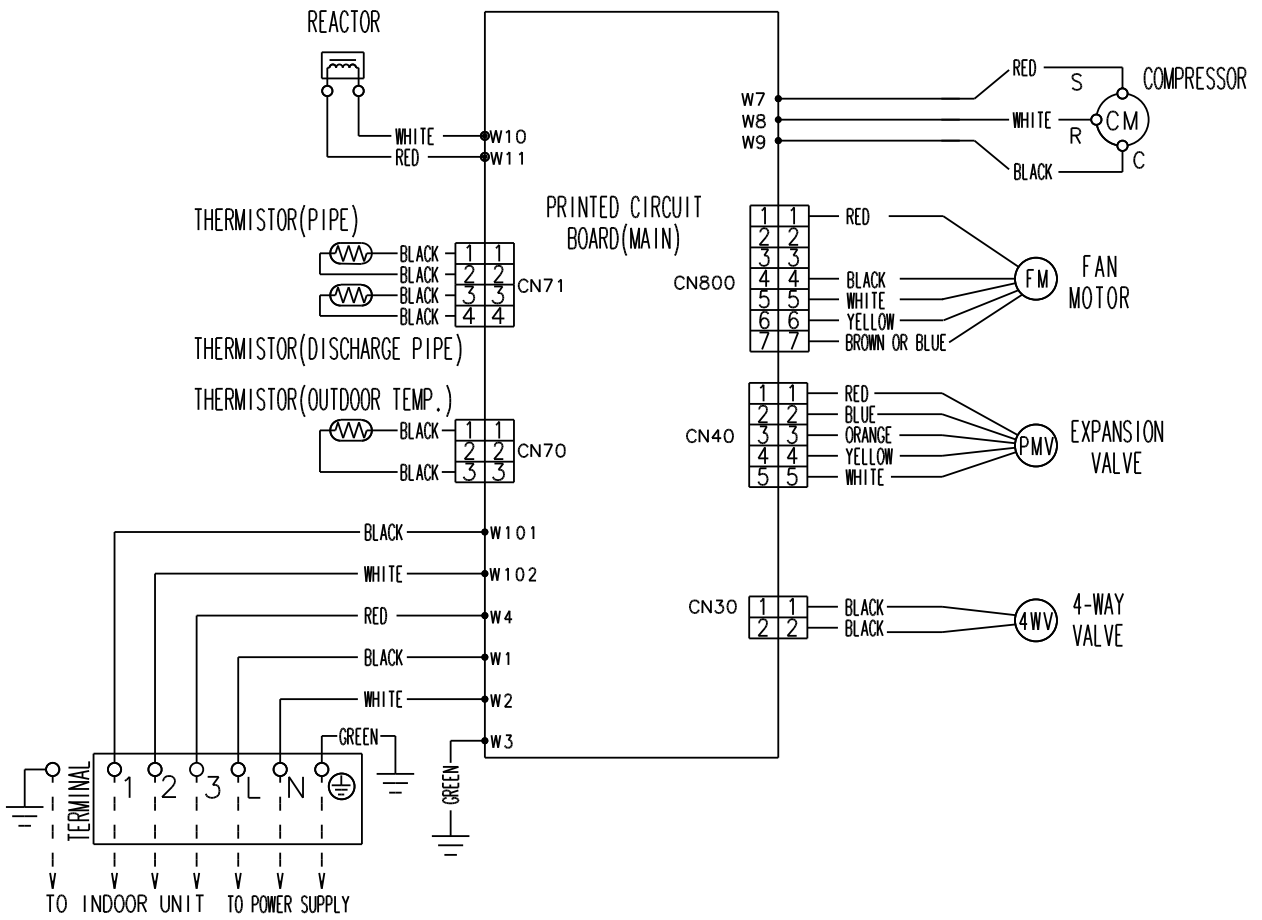
OUTDOOR UNIT
AO*G07-14LU

4. WIRING DIAGRAMS

■ MODEL: AO*G07LU, AO*G09LU

OUTDOOR UNIT
AO*G07-14LU

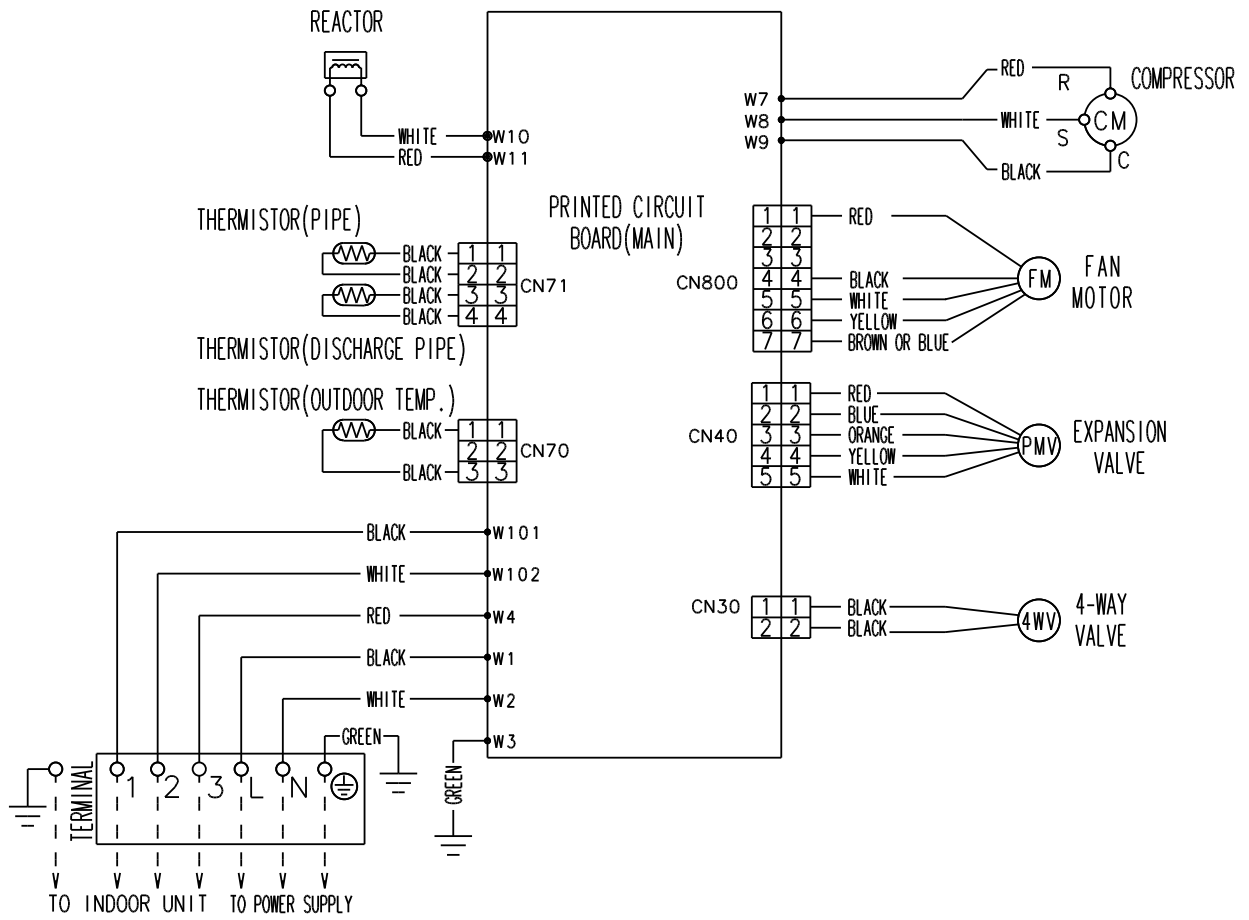
OUTDOOR UNIT
AO*G07-14LU



MODEL: AO*G12LU, AO*G14LU

OUTDOOR UNIT
AO*G07-14LU

OUTDOOR UNIT
AO*G07-14LU



5. CAPACITY COMPENSATION RATE FOR PIPE LENGTH AND HEIGHT DIFFERENCE

MODEL: AO*G07LU

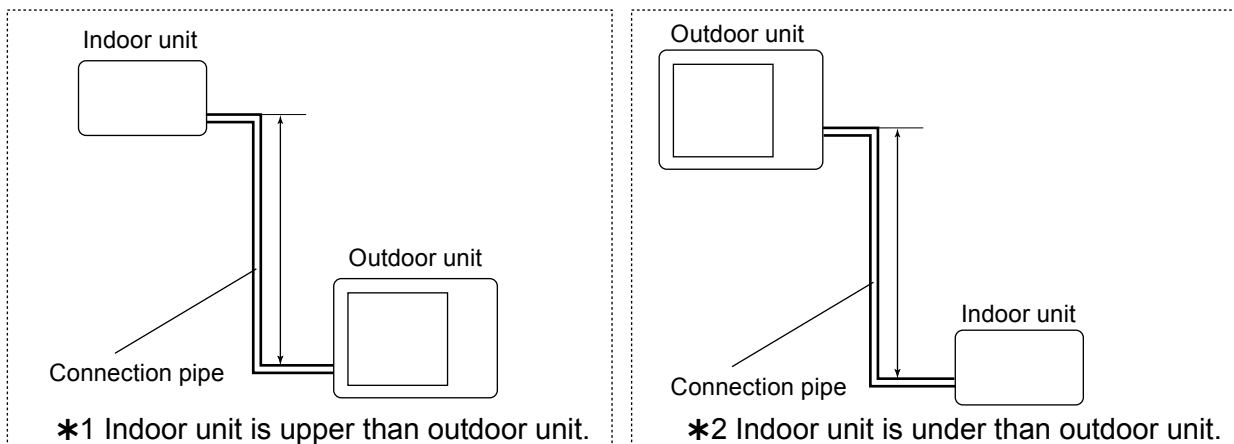
OUTDOOR UNIT
AO*G07-14LU

OUTDOOR UNIT
AO*G07-14LU

COOLING			Pipe length (m)				
			5	7.5	10	15	20
Height difference H (m)	*1 Indoor unit is upper than outdoor unit.	15	-	-	-	0.872	0.910
		10	-	-	0.961	0.886	0.925
		7.5	-	0.979	0.965	0.890	0.929
		5	0.992	0.983	0.969	0.893	0.933
	0	1.000	0.991	0.976	0.901	0.940	
	*2 Indoor unit is under than outdoor unit	-5	1.000	0.991	0.976	0.901	0.940
		-7.5	-	0.991	0.976	0.901	0.940
		-10	-	-	0.976	0.901	0.940
		-15	-	-	-	0.901	0.940

HEATING			Pipe length (m)				
			5	7.5	10	15	20
Height difference H (m)	*1 Indoor unit is upper than outdoor unit.	15	-	-	-	0.832	0.822
		10	-	-	0.917	0.832	0.822
		7.5	-	0.961	0.917	0.832	0.822
		5	1.000	0.961	0.917	0.832	0.822
	0	1.000	0.961	0.917	0.832	0.822	
	*2 Indoor unit is under than outdoor unit	-5	0.995	0.956	0.912	0.828	0.818
		-7.5	-	0.954	0.910	0.826	0.816
		-10	-	-	0.908	0.824	0.814
		-15	-	-	-	0.815	0.805

Height difference H



MODEL: AO*G09LU, AO*G12LU

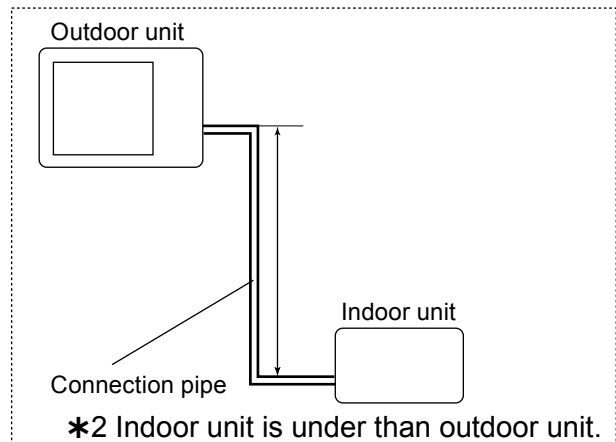
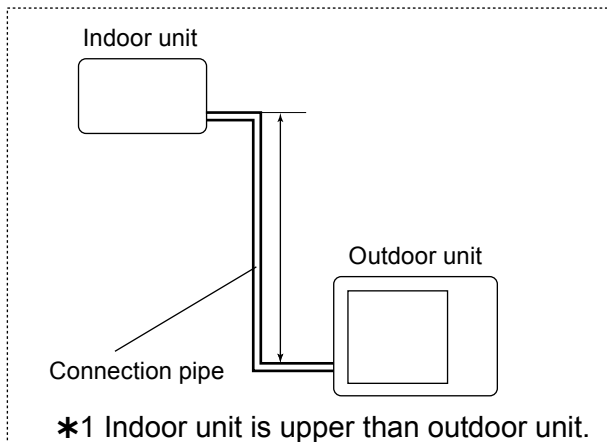
OUTDOOR UNIT
AO*G07-14LU

OUTDOOR UNIT
AO*G07-14LU

COOLING			Pipe length (m)				
			5	7.5	10	15	20
Height difference H (m)	*1 Indoor unit is upper than outdoor unit.	15	-	-	-	0.858	0.868
		10	-	-	0.929	0.872	0.882
		7.5	-	0.960	0.933	0.876	0.885
		5	0.992	0.964	0.937	0.879	0.889
	0	1.000	0.972	0.944	0.887	0.896	
	*2 Indoor unit is under than outdoor unit	-5	1.000	0.972	0.944	0.887	0.896
		-7.5	-	0.972	0.944	0.887	0.896
		-10	-	-	0.944	0.887	0.896
		-15	-	-	-	0.887	0.896

HEATING			Pipe length (m)				
			5	7.5	10	15	20
Height difference H (m)	*1 Indoor unit is upper than outdoor unit.	15	-	-	-	0.896	0.879
		10	-	-	0.968	0.890	0.879
		7.5	-	0.994	0.968	0.896	0.879
		5	1.000	0.994	0.968	0.896	0.879
	0	1.000	0.994	0.968	0.896	0.879	
	*2 Indoor unit is under than outdoor unit	-5	0.995	0.989	0.963	0.891	0.875
		-7.5	-	0.987	0.961	0.889	0.873
		-10	-	-	0.959	0.887	0.871
		-15	-	-	-	0.878	0.862

Height difference H



MODEL: AO*G14LU

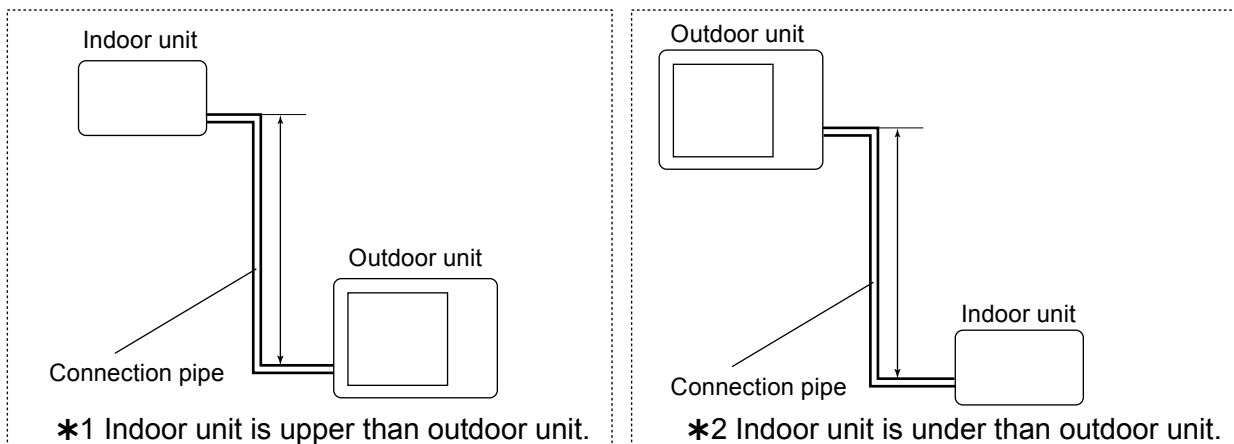
OUTDOOR UNIT
AO*G07-14LU

OUTDOOR UNIT
AO*G07-14LU

COOLING			Pipe length (m)				
			5	7.5	10	15	20
Height difference H (m)	*1 Indoor unit is upper than outdoor unit.	15	-	-	-	0.893	0.909
		10	-	-	0.955	0.908	0.924
		7.5	-	0.975	0.959	0.912	0.928
		5	0.992	0.979	0.963	0.916	0.931
		0	1.000	0.987	0.970	0.923	0.939
	*2 Indoor unit is under than outdoor unit	-5	1.000	0.987	0.970	0.923	0.939
		-7.5	-	0.987	0.970	0.923	0.939
		-10	-	-	0.970	0.923	0.939
		-15	-	-	-	0.923	0.939

HEATING			Pipe length (m)				
			5	7.5	10	15	20
Height difference H (m)	*1 Indoor unit is upper than outdoor unit.	15	-	-	-	0.956	0.938
		10	-	-	1.004	0.956	0.938
		7.5	-	1.013	1.004	0.956	0.938
		5	1.000	1.013	1.004	0.956	0.938
		0	1.000	1.013	1.004	0.956	0.938
	*2 Indoor unit is under than outdoor unit	-5	0.995	1.008	0.999	0.951	0.933
		-7.5	-	1.005	0.997	0.948	0.931
		-10	-	-	0.994	0.946	0.929
		-15	-	-	-	0.937	0.919

Height difference H



6. ADDITIONAL CHARGE CALCULATION

■ MODEL: AO*G07LU

Refrigerant type		R410A
Refrigerant amount	g	700

● Refrigerant charge

Total pipe length	m	15 or less	20 (MAX)	20g/m
Additional charge	g	0	100	

■ MODEL: AO*G09LU

Refrigerant type		R410A
Refrigerant amount	g	850

● Refrigerant charge

Total pipe length	m	15 or less	20 (MAX)	20g/m
Additional charge	g	0	100	

■ MODEL: AO*G12LU, AO*G14LU

Refrigerant type		R410A
Refrigerant amount	g	1050

● Refrigerant charge

Total pipe length	m	15 or less	20 (MAX)	20g/m
Additional charge	g	0	100	

7. AIR FLOW

■ MODEL: AO*G07LU

● Cooling

Number of rotations (r.p.m.)	Air flow	
730	1720	m ³ /h
	478	l/s
	1012	CFM

● Heating

Number of rotations (r.p.m.)	Air flow	
650	1510	m ³ /h
	419	l/s
	888	CFM

■ MODEL: AO*G09LU

● Cooling

Number of rotations (r.p.m.)	Air flow	
780	1720	m ³ /h
	478	l/s
	1012	CFM

● Heating

Number of rotations (r.p.m.)	Air flow	
720	1510	m ³ /h
	419	l/s
	888	CFM

■ MODEL: AO*G12LU

● Cooling

Number of rotations (r.p.m.)	Air flow	
850	1940	m ³ /h
	539	l/s
	1141	CFM

● Heating

Number of rotations (r.p.m.)	Air flow	
750	1700	m ³ /h
	472	l/s
	1000	CFM

■ MODEL: AO*G14LU

● Cooling

Number of rotations (r.p.m.)	Air flow	
850	1940	m ³ /h
	539	l/s
	1141	CFM

● Heating

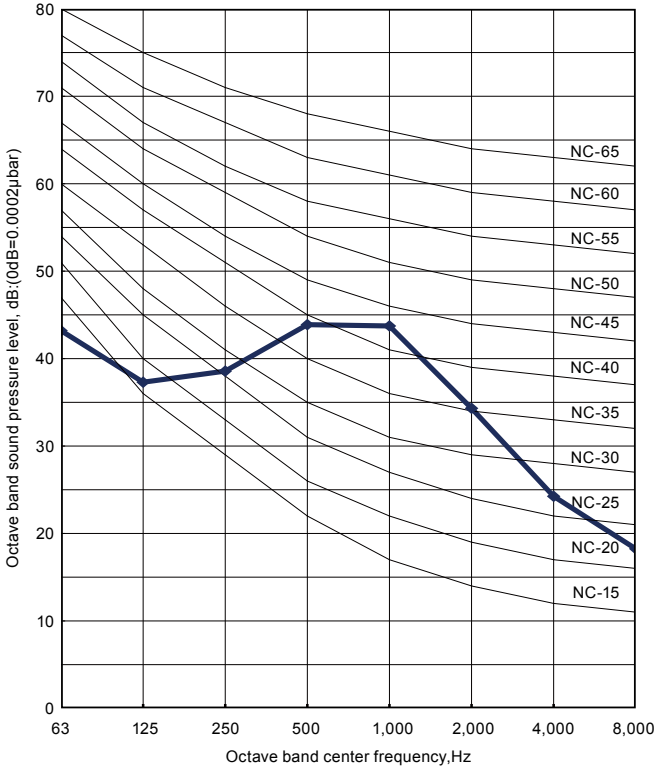
Number of rotations (r.p.m.)	Air flow	
750	1700	m ³ /h
	472	l/s
	1000	CFM

8. OPERATION NOISE

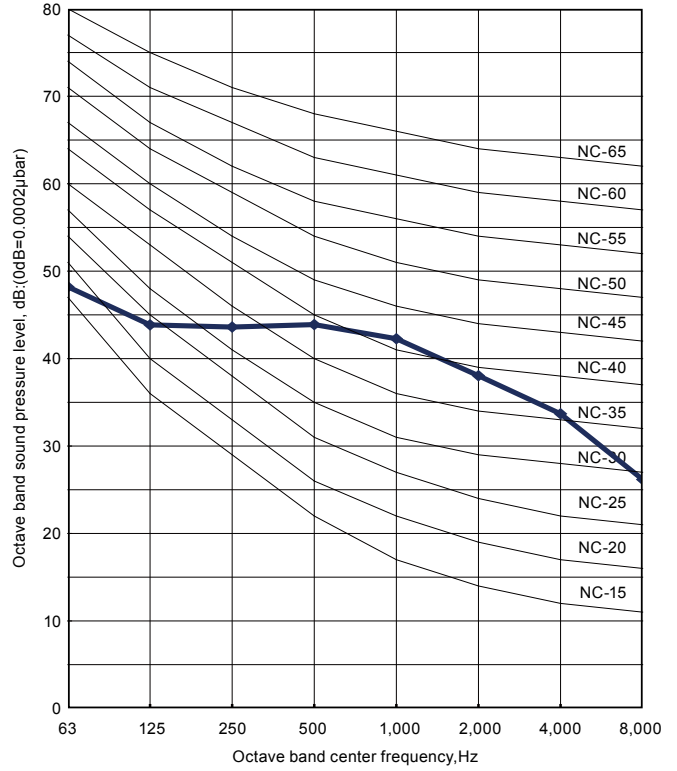
8-1. NOISE LEVEL CURVE

MODEL: AO*G07LU

● Cooling

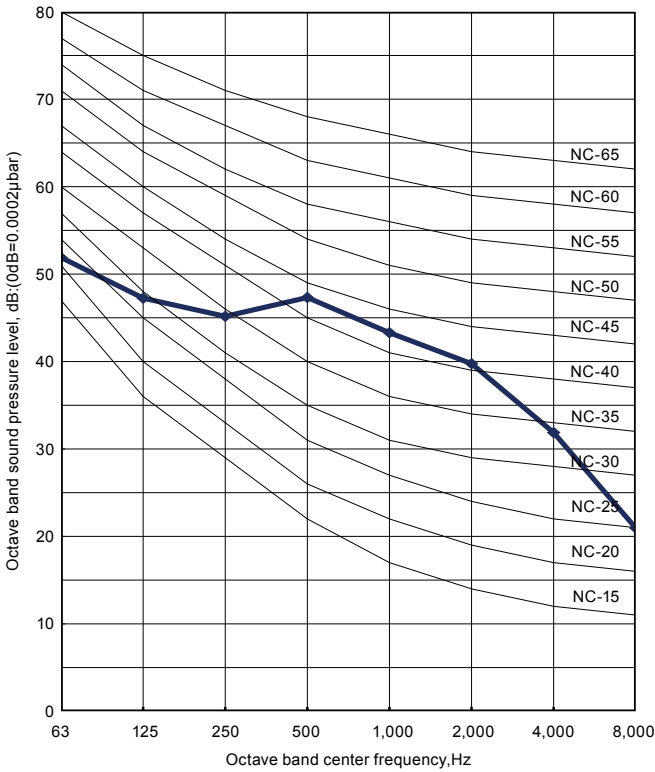


● Heating

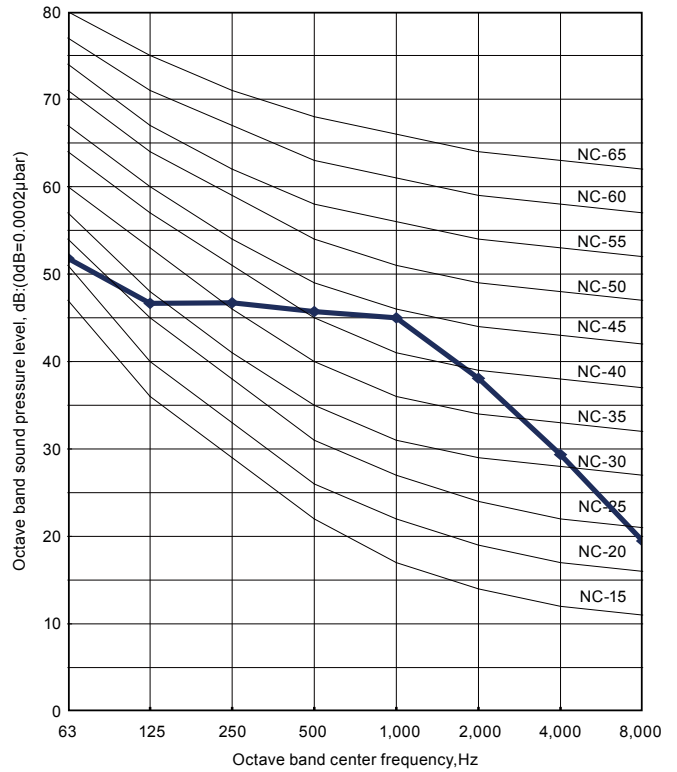


MODEL: AO*G09LU

● Cooling



● Heating

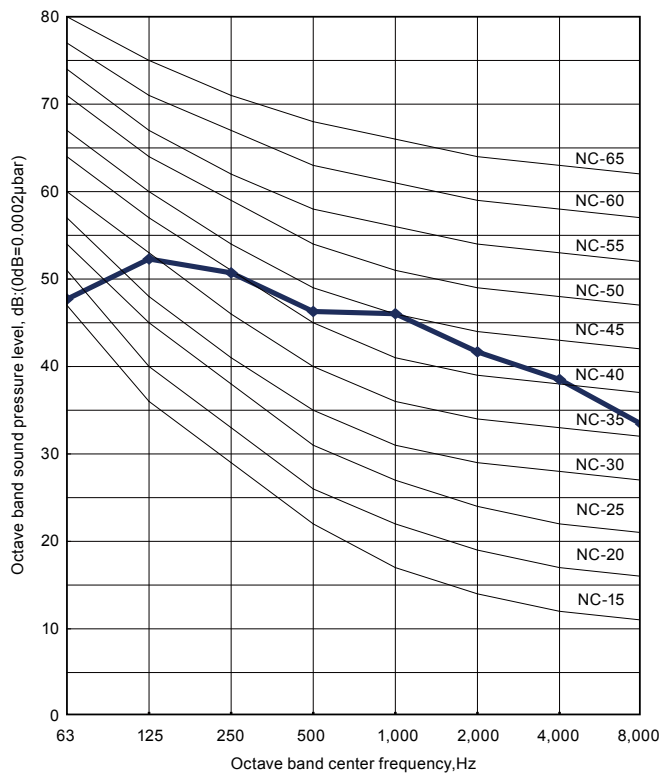


OUTDOOR UNIT
AO*G07-14LU

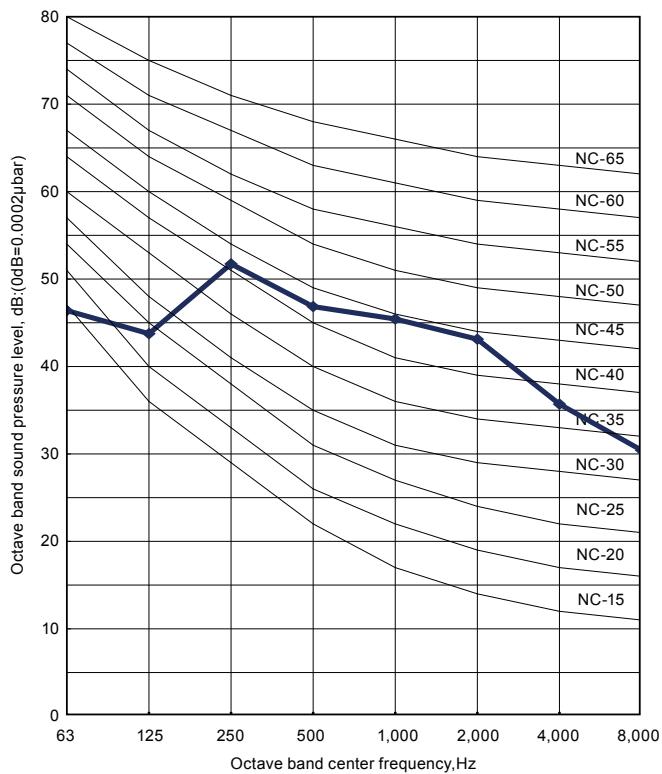
OUTDOOR UNIT
AO*G07-14LU

MODEL: AO*G12LU

● Cooling

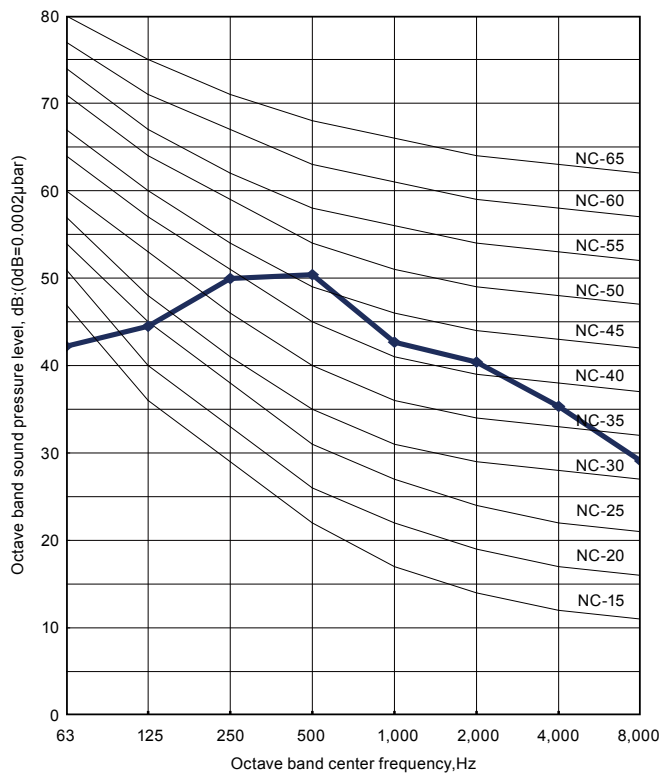


● Heating

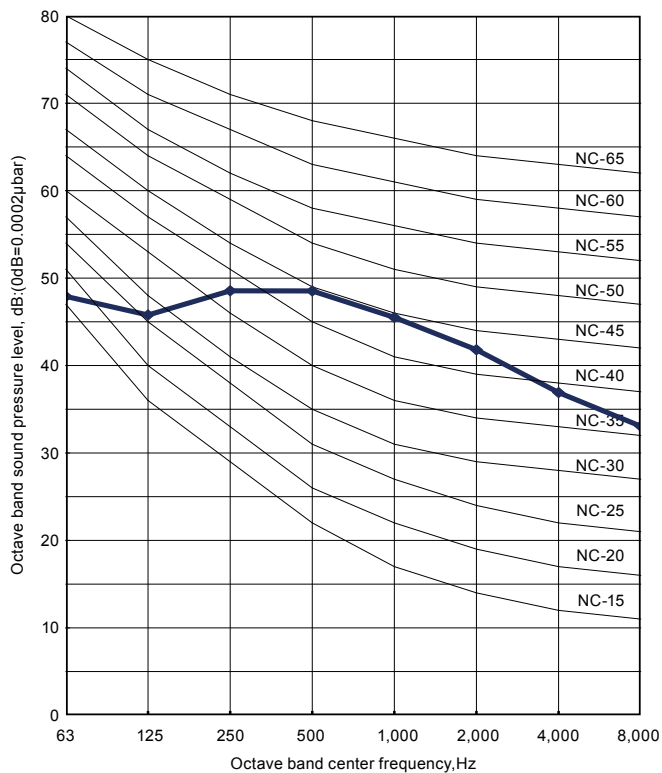


MODEL: AO*G14LU

● Cooling

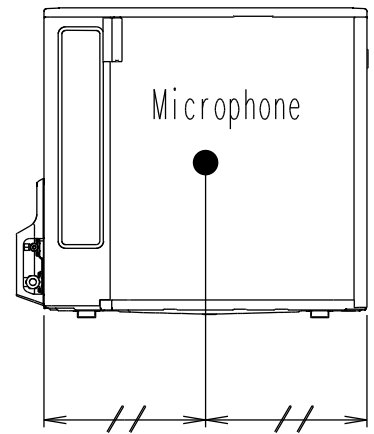
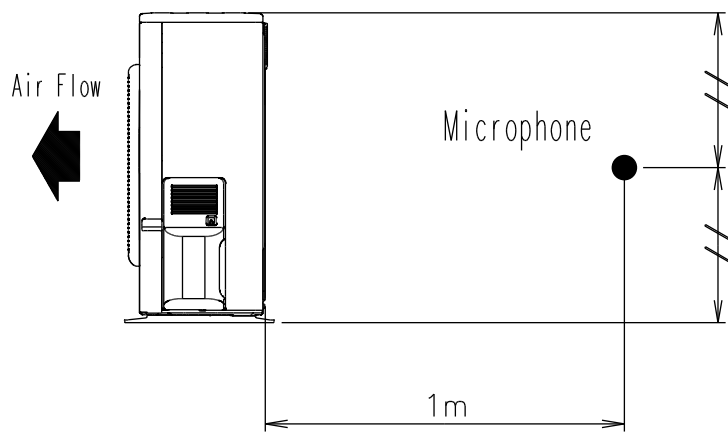


● Heating



8-2. SOUND LEVEL CHECK POINT

OUTDOOR UNIT
AO*G07-14LU



OUTDOOR UNIT
AO*G07-14LU

9. ELECTRIC CHARACTERISTICS

Model name			AO*G07LU	AO*G09LU	AO*G12LU	AO*G14LU
Power supply	Voltage	V	230 ~			
	Frequency	Hz	50			
*1) Max operating current		A	7.5	7.5	9.0	10.5
Starting Current		A	3.4		4.7	6.3
*2) Wiring Spec.:	Main Fuse (Circuit breaker) Current	A	20			
	Power Cable	mm ²	1.5			
	*3) Limited wiring length :	m	21			

*1) The maximum current is the total current of indoor unit and outdoor unit.

*2) Wiring Spec.:

Selected Sample

(Selected based on Japan Electrotechnical Standard and Codes Committee E0005)

*3) 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 DEVICES

	Protection form	Model			
		AO*G07LU	AO*G09LU	AO*G12LU	AO*G14LU
Circuit protection	Current fuse (MAIN PRINTED CIRCUIT BOARD)	20A/250V 5A/250V			
Fan motor protection	Thermal protection program	OFF : 100 ⁺¹⁰ ₋₁₀ °C ON : 95 ⁺¹⁰ ₋₁₀ °C			
High Pressure Protection	Terminal protection program COMPRESSOR TEMP.	OFF:110°C ON:After 7 minutes			

OUTDOOR UNIT
AO*G07-14LU

OUTDOOR UNIT
AO*G07-14LU