

AIR CONDITIONER

Wall mounted type

DESIGN & TECHNICAL MANUAL

INDOOR



ASYG07LMCE
ASYG09LMCE
ASYG12LMCE
ASYG14LMCE

OUTDOOR



AOYG07LMCE
AOYG09LMCE
AOYG12LMCE



AOYG14LMCE

FUJITSU GENERAL LIMITED

Notices:

- Product specifications and design are subject to change without notice for future improvement.
- For further details, please check with our authorized dealer.

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Part 1. INDOOR UNIT

WALL MOUNTED TYPE:

ASYG07LMCE

ASYG09LMCE

ASYG12LMCE

ASYG14LMCE

1. Specifications

Type				Wall mounted				
				Inverter heat pump				
Model name				ASYG07LMCE	ASYG09LMCE	ASYG12LMCE	ASYG14LMCE	
Power supply				230 V ~ 50 Hz				
Available voltage range				198—264 V				
Capacity	Cooling	Rated	kW	2.00	2.50	3.40	4.00	
			Btu/h	6,800	8,500	11,600	13,600	
		Min.—Max.	kW	0.5—3.0	0.5—3.2	0.9—3.9	0.9—4.4	
			Btu/h	1,700—10,200	1,700—10,900	3,100—13,300	3,100—15,000	
	Heating	Rated	kW	3.00	3.20	4.00	5.00	
			Btu/h	10,200	10,900	13,600	17,000	
		Min.—Max.	kW	0.5—3.4	0.5—4.0	0.9—5.3	0.9—6.0	
			Btu/h	1,700—11,600	1,700—13,600	3,100—18,000	3,100—20,400	
Input power	Cooling	Rated	kW	0.465	0.65	0.97	1.135	
				Min.—Max.	0.25—1.29	0.25—1.29	0.25—1.40	0.25—1.98
		Heating		Rated	0.685	0.730	1.02	1.365
					Min.—Max.	0.25—1.63	0.25—1.63	0.25—1.98
	Fan	HIGH	W	30			32	
		MED		20			23	
		LOW		10			12	
		QUIET		4			6	
Current	Cooling	Rated	A	2.5	3.2	4.6	5.3	
	Heating			3.3	3.5	4.8	6.3	
EER	Cooling		kW/kW	4.30	3.85	3.50	3.52	
COP	Heating			4.38	4.38	3.92	3.66	
Sensible capacity	Cooling		kW	1.2	1.6	2.2	3.2	
Power factor	Cooling		%	81	88	91	93	
	Heating			90	90	92	94	
Moisture removal			L/h (pints/h)	1.0 (1.8)	1.3 (2.3)	1.8 (3.2)	2.1 (3.7)	
Maximum operating current *1	Cooling		A	6.0	6.0	6.5	9.0	
	Heating			7.5	7.5	9.0	10.5	
Fan	Airflow rate	Cooling	m³/h	750			770	
				640			680	
				480			530	
				310			360	
		Heating		750			770	
				640			680	
				520			560	
				330			380	
	Type × Q'ty		Cross flow fan × 1					
	Motor output		W	30				
Sound pressure level *2	Cooling	dB (A)	43			44		
			40			40		
			32			33		
			21			25		
	Heating		43			44		
			38			40		
			33			35		
			22			27		
Heat exchanger type	Dimensions (H × W × D)		mm	Main: 320 × 630 × 20 Sub: 84 × 630 × 13.3				
	Fin pitch			Man: 1.1, Sub: 1.4				
	Rows × Stages			Main: 2 × 20, Sub: 1 × 4				
	Pipe type			Copper tube				
	Fin type			Aluminum				
Enclosure	Material		Polystyrene					
	Color		White + Pearl white (painted) Approximate color of Munsell N 9.25/					
Dimensions (H × W × D)	Net		mm	270 × 870 × 204				
	Gross			270 × 925 × 336				
Weight	Net		kg	8.5				
	Gross			11				
Connection pipe	Size	Liquid	mm (in)	Ø 6.35 (Ø 1/4)			Ø 12.7 (Ø 1/2)	
		Gas		Ø 9.52 (Ø 3/8)				
Drain hose	Method			Flare				
	Material			PP+LLDPE				
Operation range	Size		mm	Ø 13.8 (I.D.), Ø 15.8 to Ø 16.7 (O.D.)				
	Cooling	°C		18 to 32				
		%RH		80 or less				
Remote controller type	Heating		°C	16 to 30				
				Wireless (Wired [option])				

NOTES:

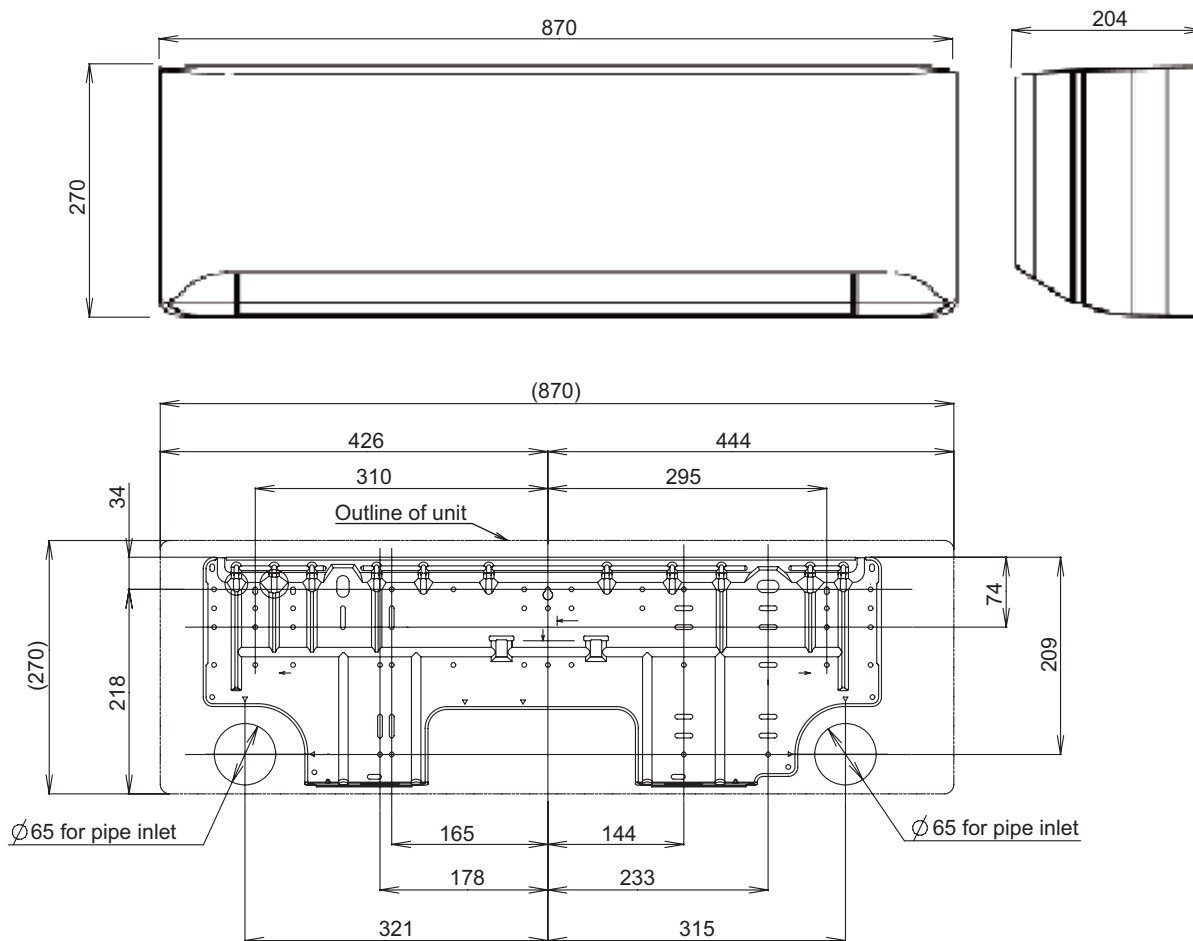
- Specifications are based on the following conditions:
 - Cooling: Indoor temperature of 27 °CDB/19 °CWB, and outdoor temperature of 35 °CDB/24 °CWB.
 - Heating: Indoor temperature of 20 °CDB/15 °CWB, and outdoor temperature of 7 °CDB/6 °CWB.
 - Pipe length: 5 m, Height difference: 0 m. (Between outdoor unit and indoor unit.)
- Protective function might work when using it outside the operation range.
- *1: Maximum current is maximum value when operated within the operation range.
- *2: Sound pressure level:
 - Measured values in manufacturer's anechoic chamber.
 - Because of the surrounding sound environment, the sound levels measured in actual installation conditions might be higher than the specified values here.

Model name				ASYG07LMCE	ASYG09LMCE	ASYG12LMCE	ASYG14LMCE
Energy efficiency class	Cooling			A ⁺⁺	A ⁺⁺	A ⁺⁺	A ⁺⁺
	Heating (Average)			A ⁺	A ⁺	A ⁺	A ⁺
Pdesign	Cooling	kW	2.0 (35 °C)	2.5 (35 °C)	3.4 (35 °C)	4.0 (35 °C)	
	Heating (Average)		2.3 (-10 °C)	2.4 (-10 °C)	3.5 (-10 °C)	3.9 (-10 °C)	
SEER	Cooling		6.80	7.00	7.00	6.90	
SCOP	Heating (Average)		4.10	4.10	4.00	4.00	
Annual energy consumption	QCE		103	125	170	203	
	QHE (Average)		786	820	1,225	1,365	
Sound power level	Cooling	HIGH	dB (A)	59	59	59	60
	Heating			59	59	59	60

2. Dimensions

2-1. Models: ASYG07LMCE, ASYG09LMCE, ASYG12LMCE, and ASYG14LMCE

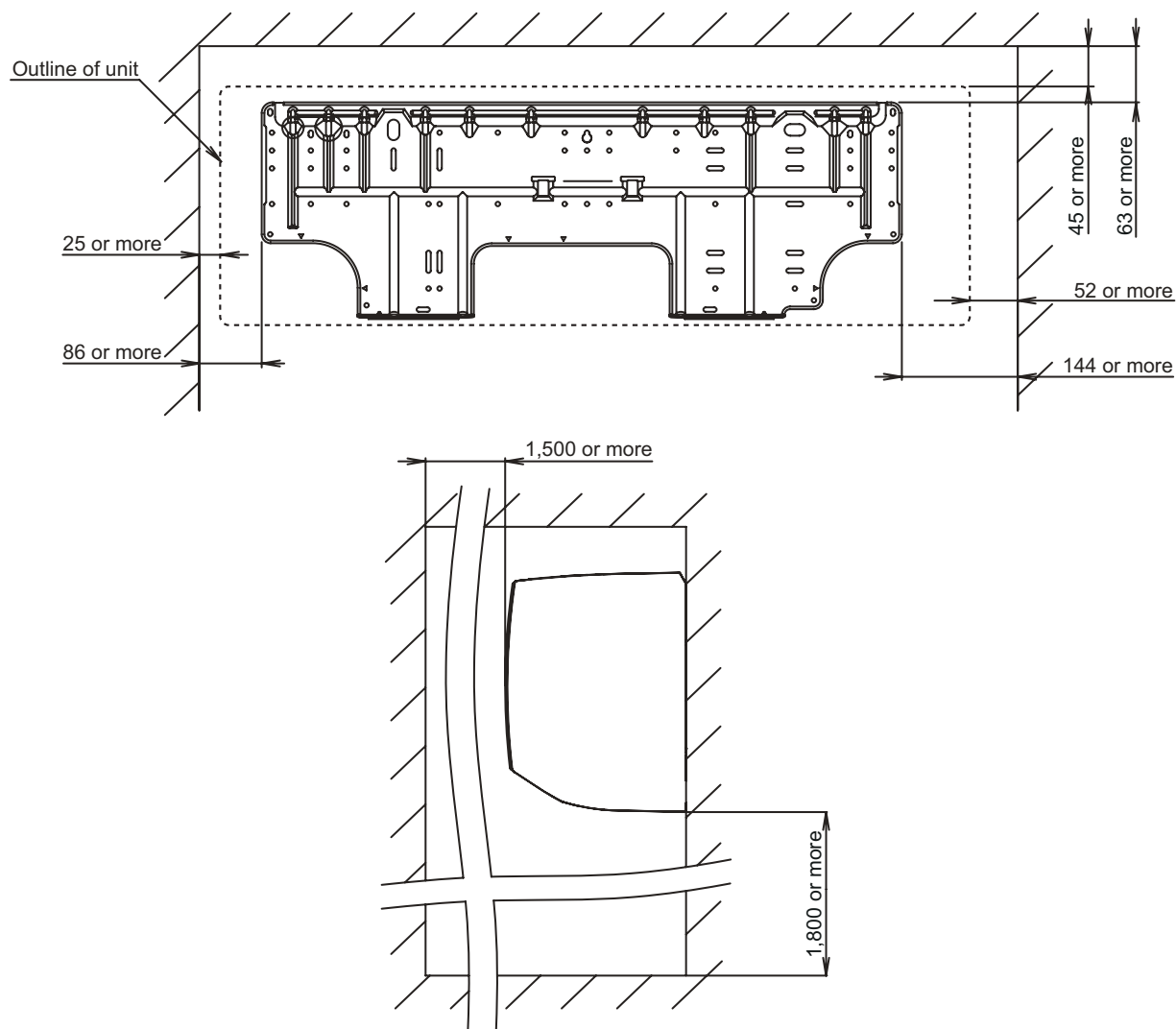
Unit: mm



■ Installation space requirement

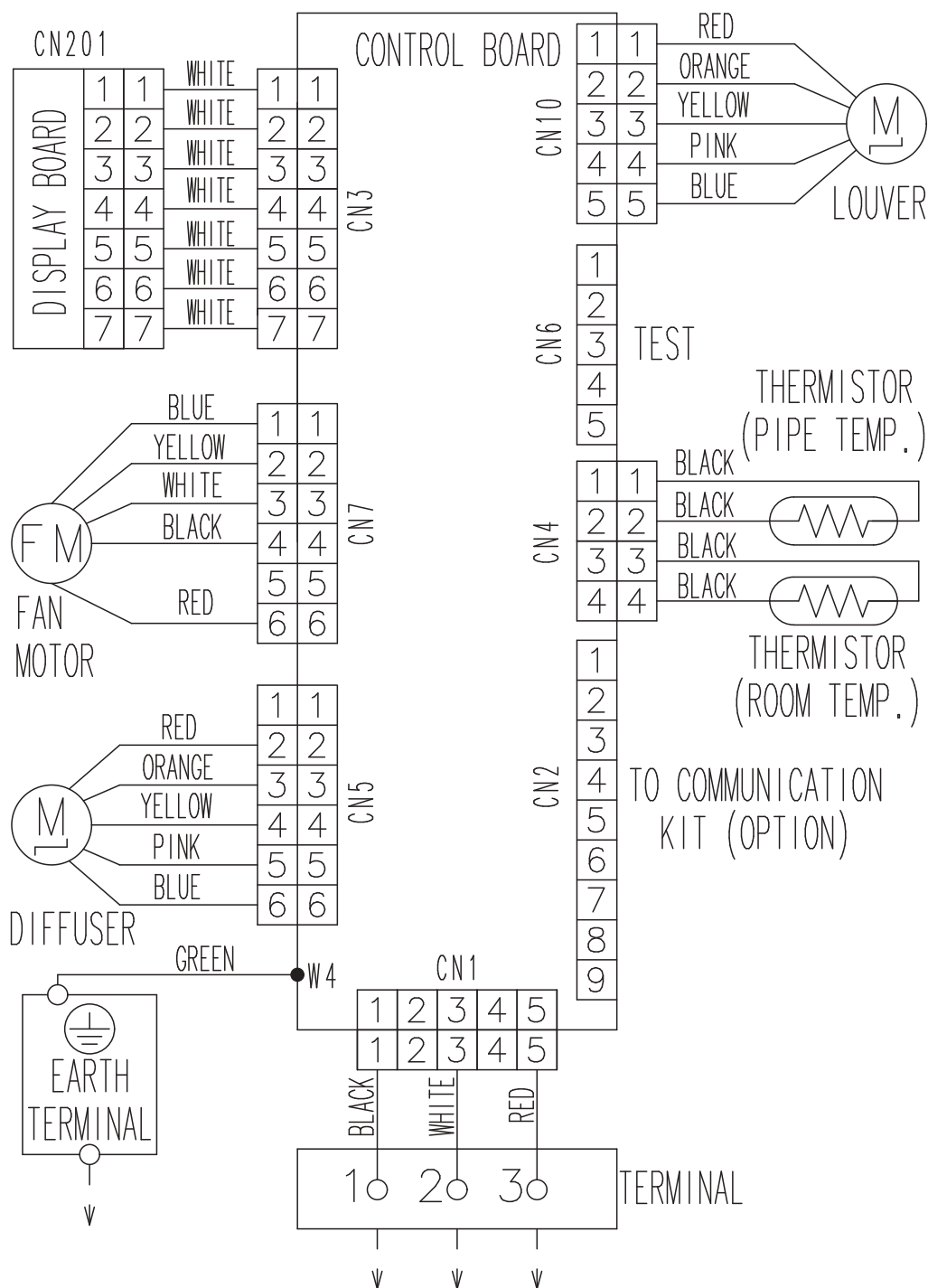
Provide sufficient installation space for product safety.

Unit: mm



3. Wiring diagrams

3-1. Models: ASYG07LMCE, ASYG09LMCE, ASYG12LMCE, and ASYG14LMCE



4. Capacity table

Capacity tables show each of following values calculated based on the outdoor temperature and the indoor temperature, under given Airflow Rate (AFR):

For cooling capacity: Total Capacity (TC), Sensible Heat Capacity (SHC), and Input Power (IP)

For heating capacity: Total Capacity (TC) and Input Power (IP)

4-1. Cooling capacity

■ Model:ASYG07LMCE

AFR				m³/h												750											
				Indoor temperature																							
				18			21			23			25			27			29			32					
				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					
	°CWB	kW			kW			kW			kW			kW			kW			kW							
	20	1.87	1.32	0.33	2.09	1.33	0.33	2.16	1.45	0.33	2.30	1.45	0.34	2.37	1.57	0.34	2.51	1.56	0.34	2.65	1.66	0.35					
	25	1.78	1.26	0.37	1.98	1.26	0.37	2.05	1.37	0.37	2.18	1.38	0.38	2.25	1.49	0.38	2.39	1.48	0.38	2.52	1.58	0.39					
	30	1.68	1.19	0.41	1.87	1.19	0.41	1.94	1.30	0.42	2.06	1.30	0.42	2.13	1.41	0.42	2.25	1.40	0.43	2.38	1.49	0.43					
	35	1.58	1.12	0.45	1.76	1.12	0.46	1.82	1.22	0.46	1.94	1.23	0.46	2.00	1.32	0.47	2.12	1.32	0.47	2.24	1.40	0.47					
	40	1.41	1.00	0.45	1.57	1.00	0.46	1.62	1.09	0.46	1.73	1.09	0.46	1.78	1.18	0.46	1.89	1.17	0.47	2.00	1.25	0.47					
43	1.31	0.92	0.45	1.45	0.93	0.45	1.50	1.01	0.46	1.60	1.01	0.46	1.65	1.09	0.46	1.75	1.09	0.47	1.85	1.16	0.47						

■ Model:ASYG09LMCE

AFR				m³/h										750															
				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							
					kW			kW			kW			kW			kW			kW			kW						
	20				2.34	1.62	0.46	2.61	1.63	0.46	2.70	1.77	0.47	2.87	1.78	0.47	2.96	1.92	0.47	3.14	1.91	0.48	3.32	2.04	0.48				
	25				2.22	1.54	0.51	2.48	1.55	0.52	2.56	1.68	0.52	2.73	1.69	0.53	2.81	1.82	0.53	2.98	1.82	0.54	3.15	1.93	0.54				
	30				2.10	1.45	0.57	2.34	1.46	0.58	2.42	1.59	0.58	2.58	1.60	0.59	2.66	1.72	0.59	2.82	1.72	0.60	2.98	1.83	0.60				
	35				1.98	1.37	0.63	2.20	1.38	0.64	2.28	1.50	0.64	2.43	1.50	0.65	2.50	1.62	0.65	2.65	1.61	0.66	2.80	1.72	0.66				
	40				1.76	1.22	0.63	1.96	1.23	0.64	2.03	1.33	0.64	2.16	1.34	0.65	2.23	1.44	0.65	2.36	1.44	0.66	2.50	1.53	0.66				
43				1.63	1.13	0.62	1.82	1.14	0.63	1.88	1.24	0.64	2.00	1.24	0.64	2.07	1.34	0.65	2.19	1.33	0.65	2.31	1.42	0.66					

■ Model:ASYG12LMCE

AFR				m³/h												750											
				Indoor temperature																							
				18			21			23			25			27			29			32					
				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					
	°CWB																										
		kW			kW			kW			kW			kW			kW			kW							
	20	3.18	2.18	0.66	3.55	2.19	0.67	3.67	2.39	0.68	3.91	2.39	0.68	4.03	2.59	0.69	4.27	2.57	0.70	4.51	2.74	0.70					
	25	3.03	2.07	0.75	3.37	2.08	0.77	3.49	2.27	0.77	3.72	2.27	0.78	3.83	2.45	0.78	4.06	2.44	0.79	4.29	2.60	0.80					
	30	2.86	1.96	0.84	3.19	1.97	0.86	3.30	2.14	0.86	3.52	2.15	0.87	3.63	2.32	0.87	3.84	2.31	0.88	4.06	2.46	0.89					
	35	2.69	1.84	0.94	2.99	1.85	0.95	3.09	2.01	0.96	3.30	2.02	0.97	3.40	2.18	0.97	3.60	2.17	0.98	3.81	2.31	0.99					
40	2.27	1.64	0.87	2.53	1.65	0.88	2.62	1.79	0.89	2.79	1.80	0.90	2.87	1.94	0.90	3.05	1.94	0.91	3.22	2.06	0.92						
43	2.09	1.52	0.87	2.33	1.53	0.89	2.41	1.66	0.89	2.57	1.67	0.90	2.65	1.80	0.90	2.81	1.80	0.91	2.96	1.91	0.92						

■ Model:ASYG14LMCE

AFR		m³/h									770											
		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
		kW			kW			kW			kW			kW			kW			kW		
	20	3.72	2.44	0.77	4.15	2.46	0.78	4.29	2.67	0.79	4.57	2.68	0.80	4.71	2.90	0.80	4.99	2.89	0.81	5.28	3.07	0.82
	25	3.54	2.34	0.88	3.94	2.36	0.89	4.08	2.56	0.90	4.34	2.57	0.91	4.48	2.78	0.91	4.75	2.77	0.92	5.02	2.95	0.93
	30	3.36	2.31	0.99	3.74	2.32	1.00	3.87	2.52	1.01	4.12	2.53	1.02	4.25	2.73	1.02	4.50	2.72	1.03	4.76	2.90	1.04
	35	3.16	2.19	1.10	3.52	2.21	1.11	3.64	2.40	1.12	3.88	2.41	1.13	4.00	2.60	1.14	4.24	2.59	1.15	4.48	2.76	1.16
	40	2.30	1.87	0.75	2.56	1.88	0.76	2.65	2.04	0.77	2.83	2.05	0.78	2.91	2.21	0.78	3.09	2.20	0.79	3.26	2.35	0.80
43	2.20	1.84	0.80	2.45	1.85	0.81	2.53	2.01	0.81	2.70	2.02	0.82	2.78	2.18	0.83	2.95	2.17	0.83	3.12	2.31	0.84	

4-2. Heating capacity

NOTE: Values mentioned in the table are calculated based on the maximum capacity.

■ Model:ASYG07LMCE

AFR			m³/h				750							
					Indoor temperature									
					16		18		20		22		24	
					TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
					kW		kW		kW		kW		kW	
Outdoor temperature	°CDB	°CWB	1.72	0.71	1.68	0.73	1.64	0.74	1.60	0.75	1.56	0.77		
	-15	-16	2.38	0.86	2.33	0.88	2.27	0.90	2.21	0.92	2.16	0.94		
	-10	-11	2.90	0.97	2.83	0.99	2.76	1.01	2.69	1.03	2.62	1.05		
	-5	-7	3.18	1.02	3.10	1.04	3.03	1.06	2.95	1.08	2.87	1.10		
	0	-2	3.46	1.06	3.38	1.09	3.29	1.11	3.21	1.13	3.13	1.15		
	5	3	3.57	1.08	3.49	1.10	3.40	1.13	3.32	1.15	3.23	1.17		
	7	6	3.98	1.19	3.88	1.21	3.79	1.24	3.69	1.26	3.60	1.29		
	10	8	3.72	1.09	3.63	1.12	3.54	1.14	3.45	1.16	3.36	1.18		
15	10													

■ Model:ASYG09LMCE

AFR			m³/h				750							
Outdoor temperature					Indoor temperature									
					16		18		20		22		24	
					TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
					kW		kW		kW		kW		kW	
					-15	-16	1.72	0.71	1.68	0.73	1.64	0.74	1.60	0.75
-10	-11	2.38	0.86	2.33	0.88	2.27	0.90	2.21	0.92	2.16	0.94			
-5	-7	2.99	0.97	2.91	0.99	2.84	1.01	2.77	1.03	2.70	1.05			
0	-2	3.49	1.02	3.41	1.04	3.33	1.06	3.24	1.08	3.16	1.10			
5	3	4.00	1.06	3.90	1.09	3.81	1.11	3.71	1.13	3.62	1.15			
7	6	4.20	1.08	4.10	1.10	4.00	1.13	3.90	1.15	3.80	1.17			
10	8	4.76	1.19	4.65	1.21	4.53	1.24	4.42	1.26	4.31	1.29			
15	10	4.53	1.09	4.42	1.12	4.31	1.14	4.20	1.16	4.10	1.18			

■ Model:ASYG12LMCE

AFR			m³/h				750							
					Indoor temperature									
					16		18		20		22		24	
					TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
					kW		kW		kW		kW		kW	
Outdoor temperature	°CDB	°CWB	2.94	1.54	2.87	1.57	2.80	1.60	2.73	1.63	2.66	1.66		
	-15	-16	3.73	1.60	3.64	1.63	3.55	1.67	3.46	1.70	3.37	1.73		
	-10	-11	4.40	1.62	4.29	1.65	4.19	1.69	4.08	1.72	3.98	1.75		
	-5	-7	4.88	1.57	4.77	1.60	4.65	1.64	4.53	1.67	4.42	1.70		
	0	-2	5.37	1.52	5.24	1.56	5.11	1.59	4.99	1.62	4.86	1.65		
	5	3	5.57	1.51	5.43	1.54	5.30	1.57	5.17	1.60	5.04	1.63		
	7	6	5.85	1.51	5.71	1.54	5.57	1.57	5.43	1.60	5.29	1.63		
	10	8	5.66	1.39	5.52	1.42	5.39	1.45	5.25	1.48	5.12	1.51		

■ Model:ASYG14LMCE

AFR			m³/h				770							
			Indoor temperature											
			16		18		20		22		24			
			TC	IP	TC	IP	TC	IP	TC	IP	TC	IP		
			kW		kW		kW		kW		kW			
Outdoor temperature	°CDB	°CWB	3.65	1.43	3.57	1.46	3.48	1.49	3.39	1.52	3.31	1.55		
	-15	-16	4.29	1.51	4.19	1.54	4.09	1.57	3.99	1.60	3.89	1.63		
	-10	-11	4.68	1.58	4.57	1.61	4.46	1.64	4.34	1.68	4.23	1.71		
	-5	-7	5.31	1.69	5.19	1.72	5.06	1.76	4.93	1.79	4.81	1.83		
	0	-2	5.73	1.79	5.59	1.83	5.46	1.86	5.32	1.90	5.18	1.94		
	5	3	6.30	1.86	6.15	1.89	6.00	1.93	5.85	1.97	5.70	2.01		
	7	6	6.64	1.90	6.49	1.94	6.33	1.98	6.17	2.02	6.01	2.06		
	10	8	6.44	1.65	6.28	1.69	6.13	1.72	5.98	1.76	5.82	1.79		

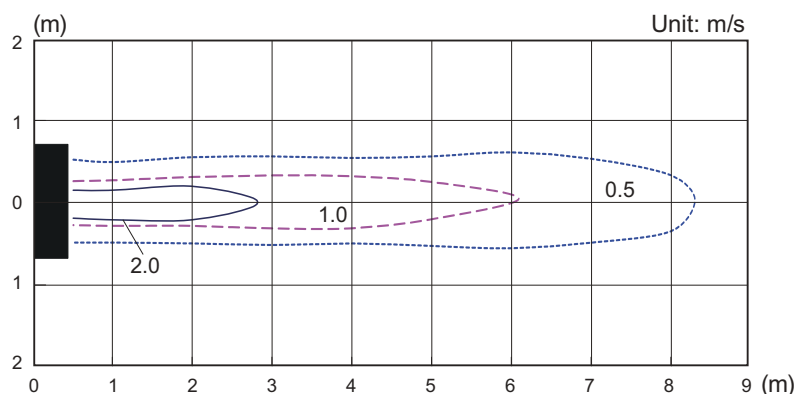
5. Fan performance

5-1. Air velocity distributions

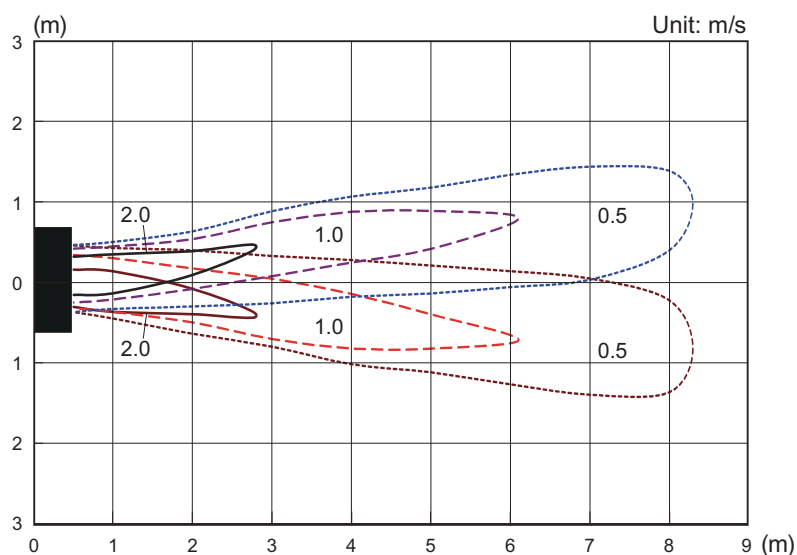
■ Models: ASYG07LMCE, ASYG09LMCE, and ASYG12LMCE

Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

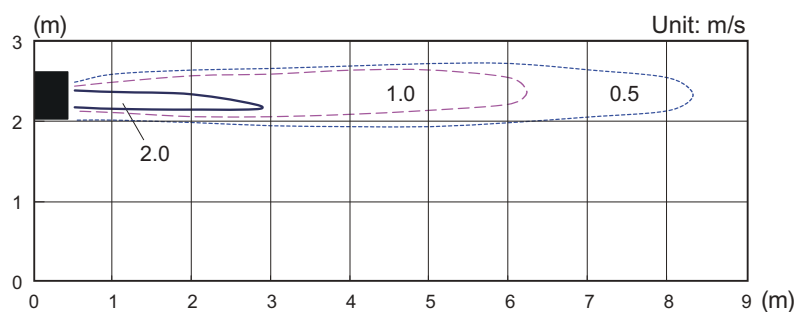
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Center



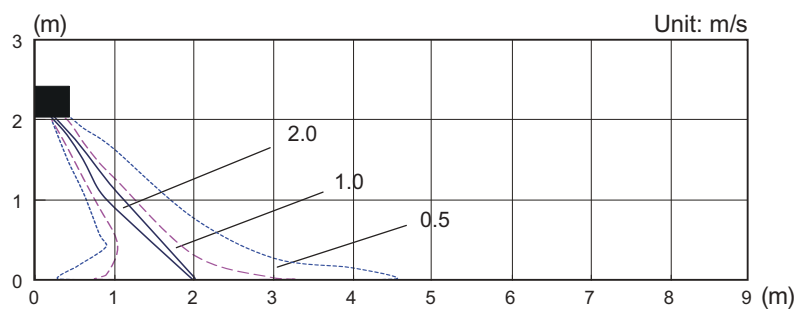
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Left & Right



Side view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Center



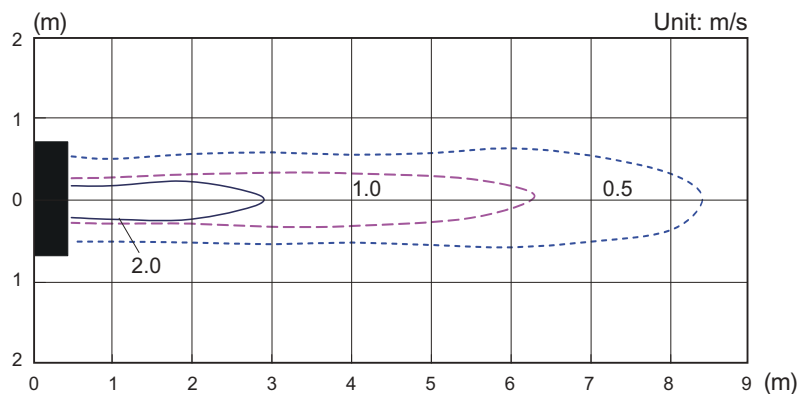
Side view
Vertical airflow direction louver: Down
Horizontal airflow direction louver: Center



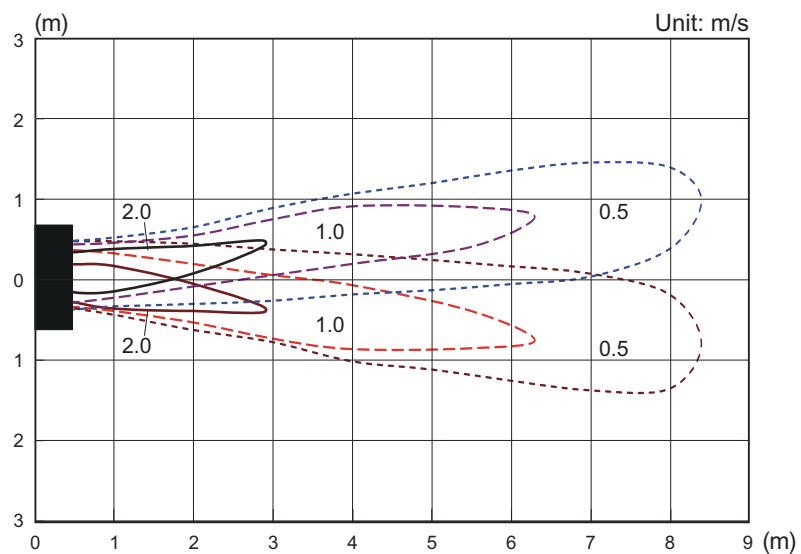
Model:ASYG14LMCE

Measuring conditions	Fan speed HIGH	Operation mode FAN
----------------------	-------------------	-----------------------

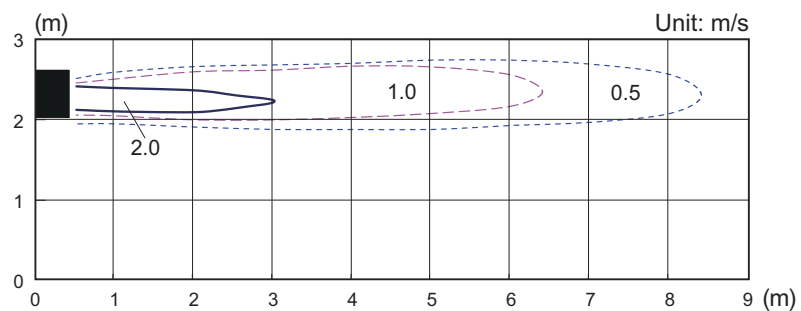
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Center



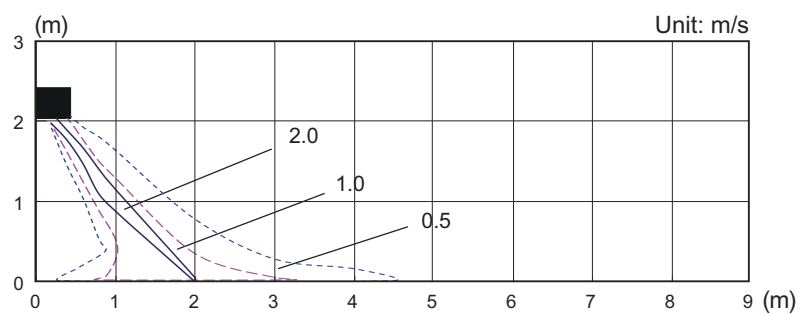
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Left & Right



Side view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Center



Side view
Vertical airflow direction louver: Down
Horizontal airflow direction louver: Center



5-2. Airflow

■ Models: ASYG07LMCE, ASYG09LMCE, and ASYG12LMCE

● Cooling

Fan speed	Airflow	
HIGH	m ³ /h	750
	l/s	208
	CFM	441
MED	m ³ /h	640
	l/s	178
	CFM	377
LOW	m ³ /h	480
	l/s	133
	CFM	283
QUIET	m ³ /h	310
	l/s	86
	CFM	182

● Heating

Fan speed	Airflow	
HIGH	m ³ /h	750
	l/s	208
	CFM	441
MED	m ³ /h	640
	l/s	178
	CFM	377
LOW	m ³ /h	520
	l/s	144
	CFM	306
QUIET	m ³ /h	330
	l/s	92
	CFM	194

■ Model:ASYG14LMCE

● Cooling

Fan speed	Airflow	
HIGH	m ³ /h	770
	l/s	214
	CFM	453
MED	m ³ /h	680
	l/s	189
	CFM	400
LOW	m ³ /h	530
	l/s	147
	CFM	312
QUIET	m ³ /h	360
	l/s	100
	CFM	212

● Heating

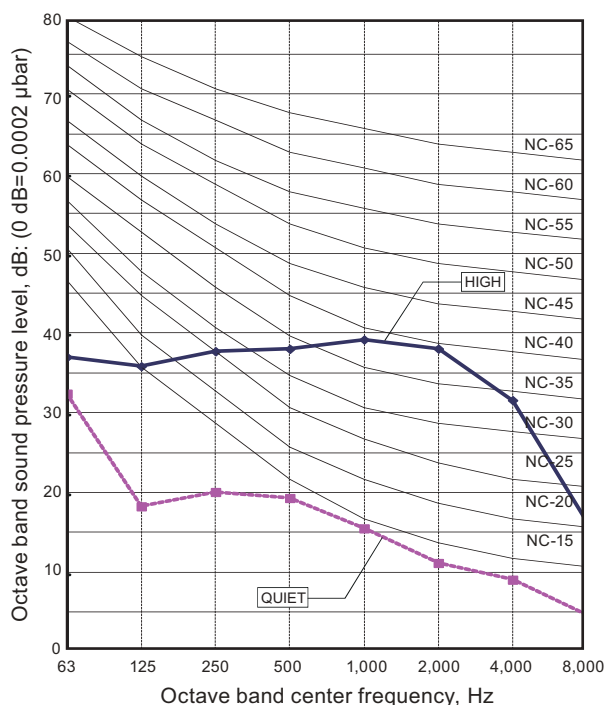
Fan speed	Airflow	
HIGH	m ³ /h	770
	l/s	214
	CFM	453
MED	m ³ /h	680
	l/s	189
	CFM	400
LOW	m ³ /h	560
	l/s	156
	CFM	330
QUIET	m ³ /h	380
	l/s	106
	CFM	224

6. Operation noise (sound pressure)

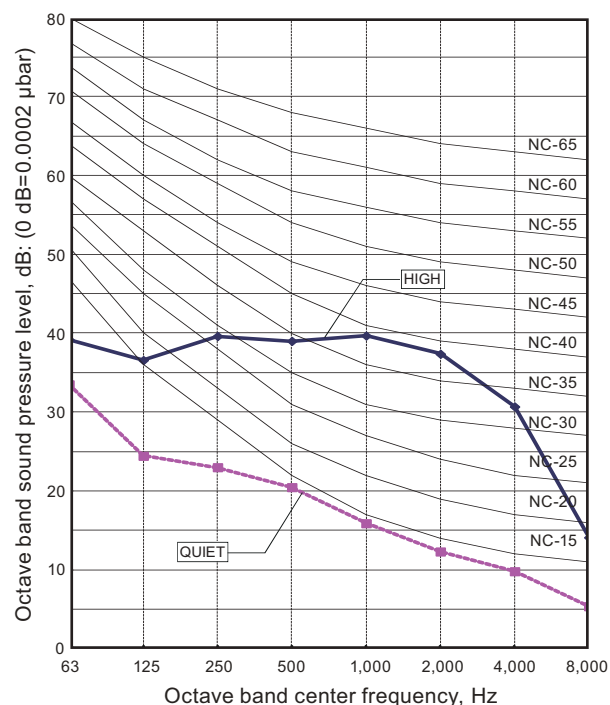
6-1. Noise level curve

■ Model:ASYG07LMCE

● Cooling

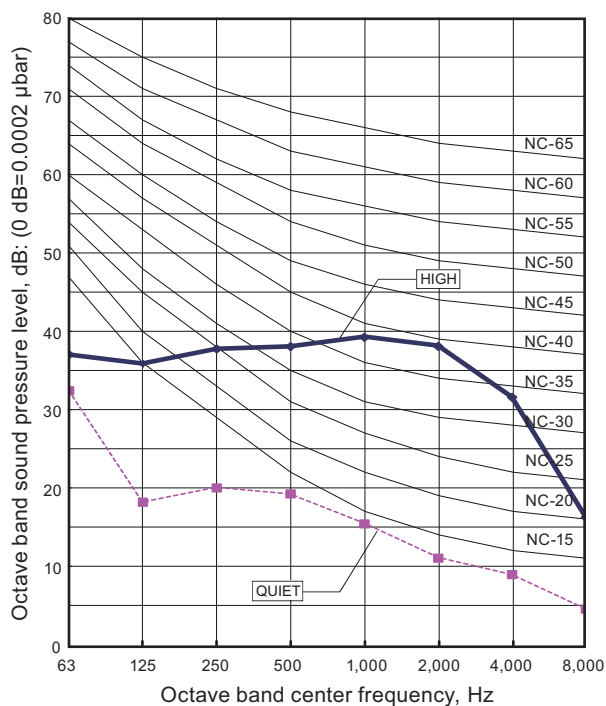


● Heating

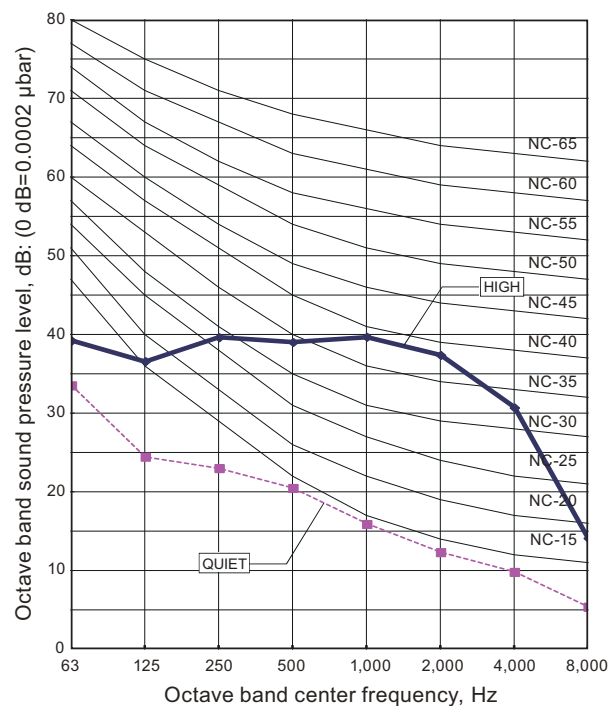


■ Model:ASYG09LMCE

● Cooling

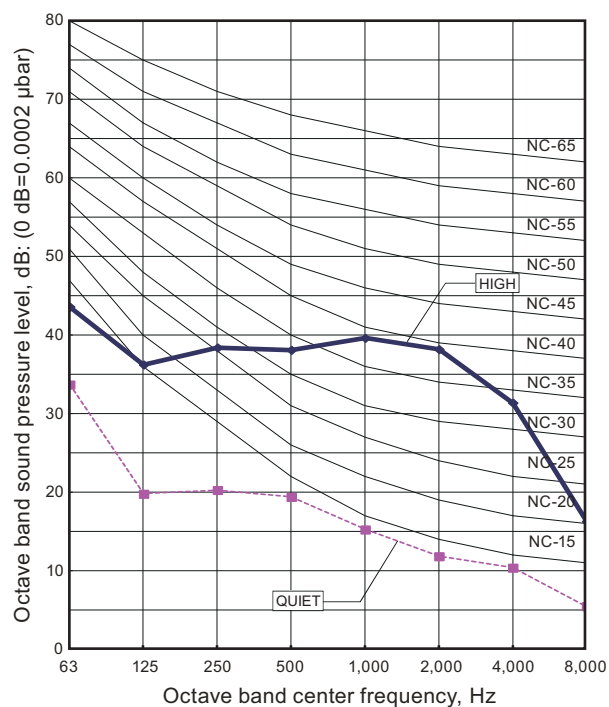


● Heating

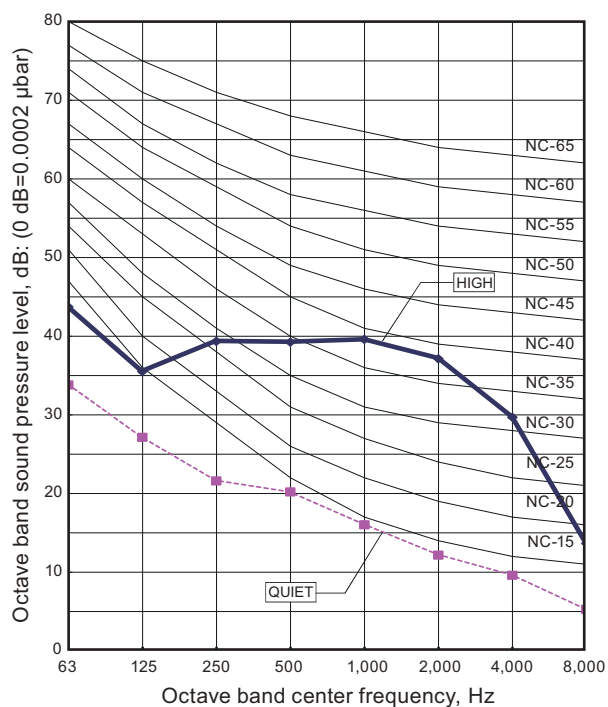


Model:ASYG12LMCE

Cooling

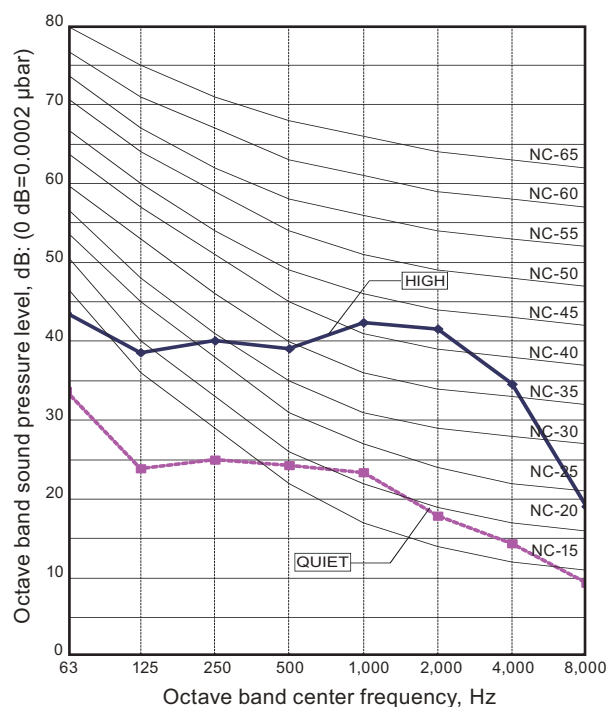


Heating

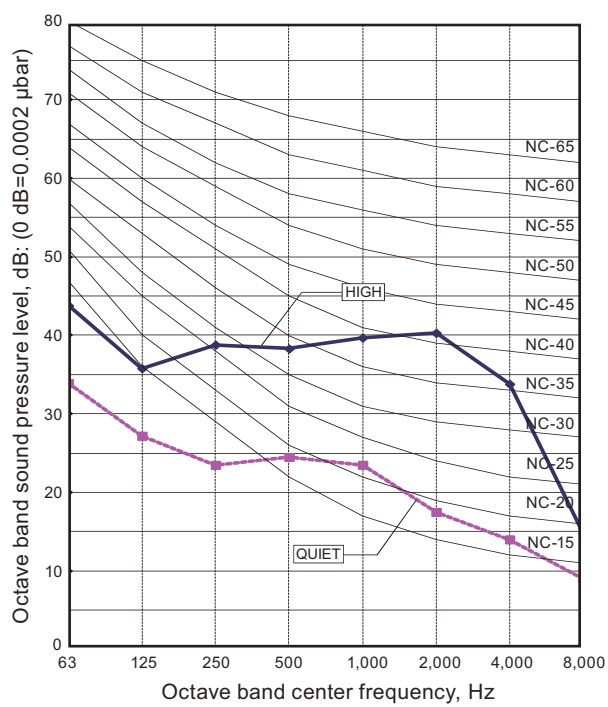


Model:ASYG14LMCE

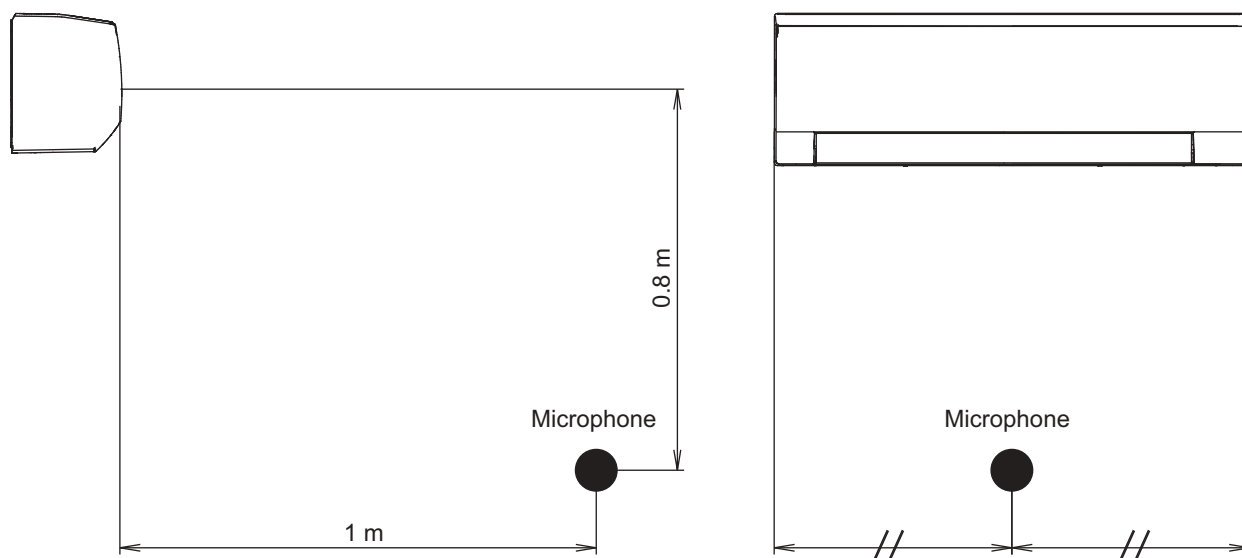
Cooling



Heating



6-2. Sound level check point



7. Safety devices

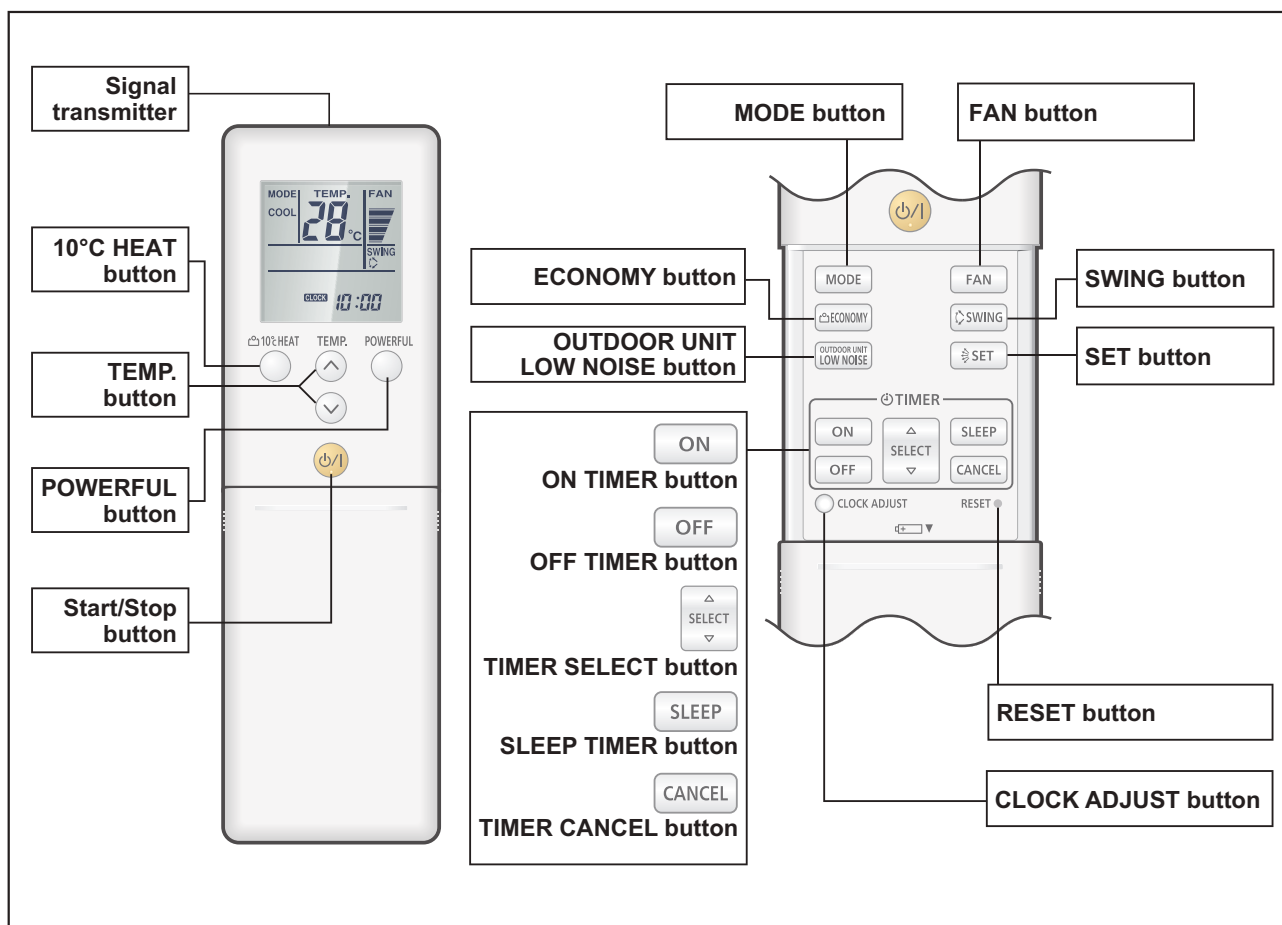
Type of protection	Protection form		Model			
			ASYG07LMCE	ASYG09LMCE	ASYG12LMCE	ASYG14LMCE
Circuit protection	Current fuse (PCB*)		250 V, 3.15 A			
Fan motor protection	Thermal protector program	Activate	105±10°C Fan motor stop			
		Reset	90±10°C Fan motor restart			

*PCB: Printed Circuit Board

8. Remote controller

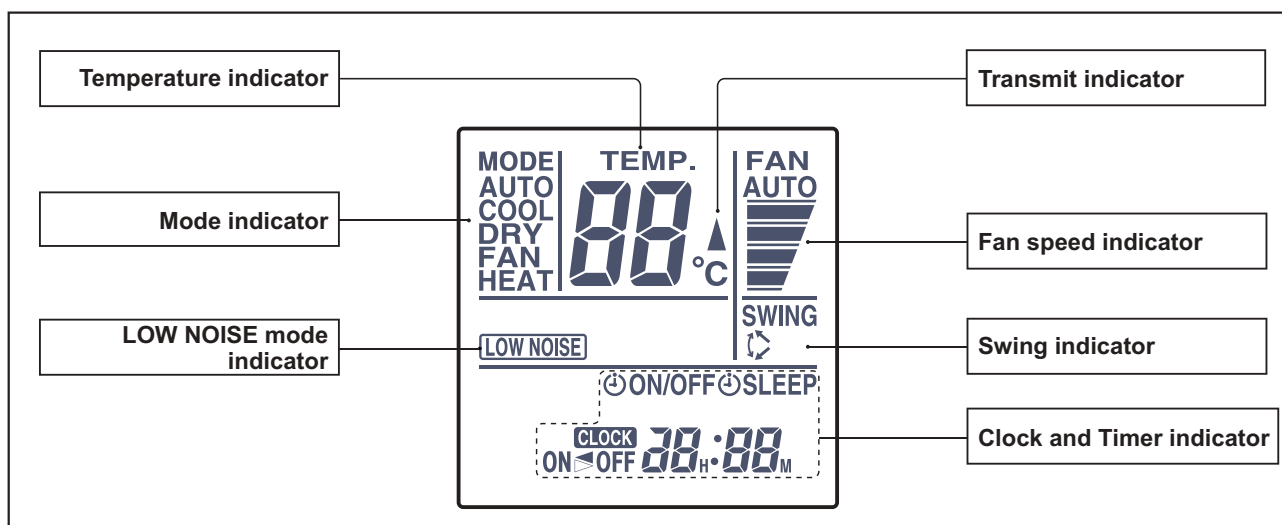
8-1. Wireless remote controller

■ Overview



NOTE: Functions may differ by type of the indoor unit. For details, refer to the operation manual.

Display panel

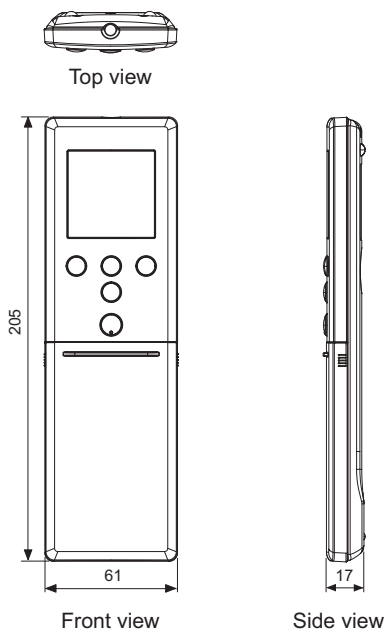


To facilitate explanation, the accompanying illustration has been drawn to show all possible indicators; in actual operation, however, the display will only show those indicators appropriate to the current operation.

Specifications

Controller

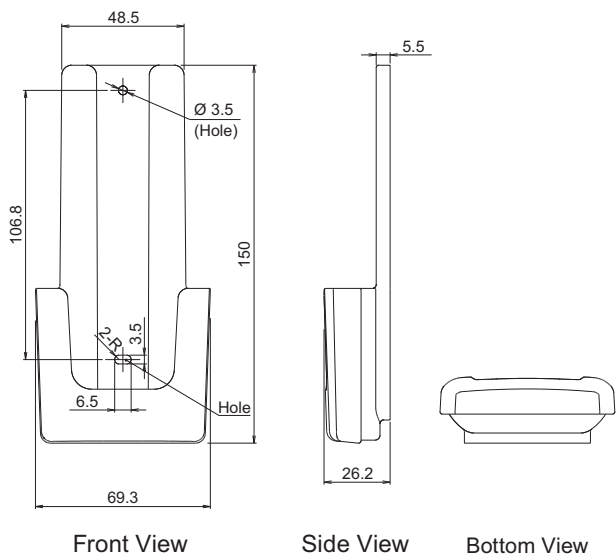
Unit: mm



Size (H × W × D)	mm	205 × 61 × 17
Weight	g	122 (without batteries)

Holder

Unit: mm



Size (H × W × D)	mm	150 × 69.3 × 26.2
Weight	g	27

9. External input and output

With using external input and output functions, this product can be operated inter-connectedly with an external device.

Connector	Input	Output	Remarks
CNA01	Control input	—	See external input/output settings for details.
CNB01	—	Operation status output	
CNB02	—	Error status output	

9-1. External input

With using external input function, some functions on this product can be controlled from an external device.

- "Operation/Stop" mode or "Forced stop" mode can be selected with function setting of indoor unit.
- A twisted pair cable (22AWG) should be used. Maximum length of cable is 150 m.
- The wire connection should be separate from the power cable line.

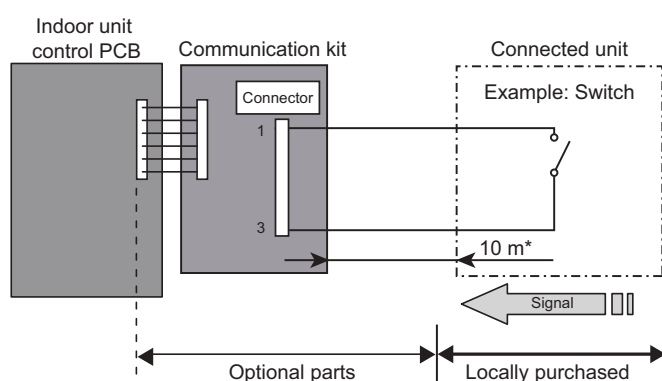
■ Control input (Operation/Stop or Forced stop)

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

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 PCB and turning it on.

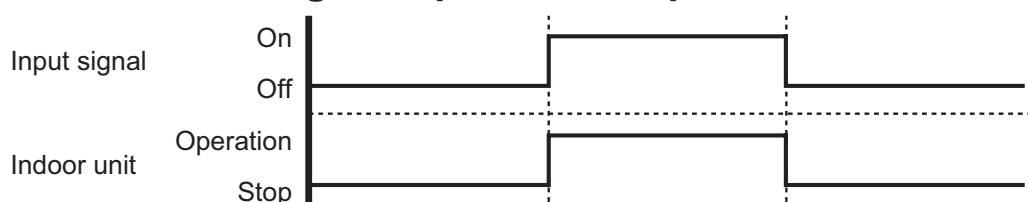
Unit operation	Initial setting after power is on	Starting mode other than initial setting
Operation mode	Auto changeover	Mode at previous operation
Set temperature	24 °C	Temperature at previous operation
Airflow mode	AUTO	Mode at previous operation
Air direction (swing)	Standard air direction (swing OFF)	Air direction at previous operation

● Circuit diagram example

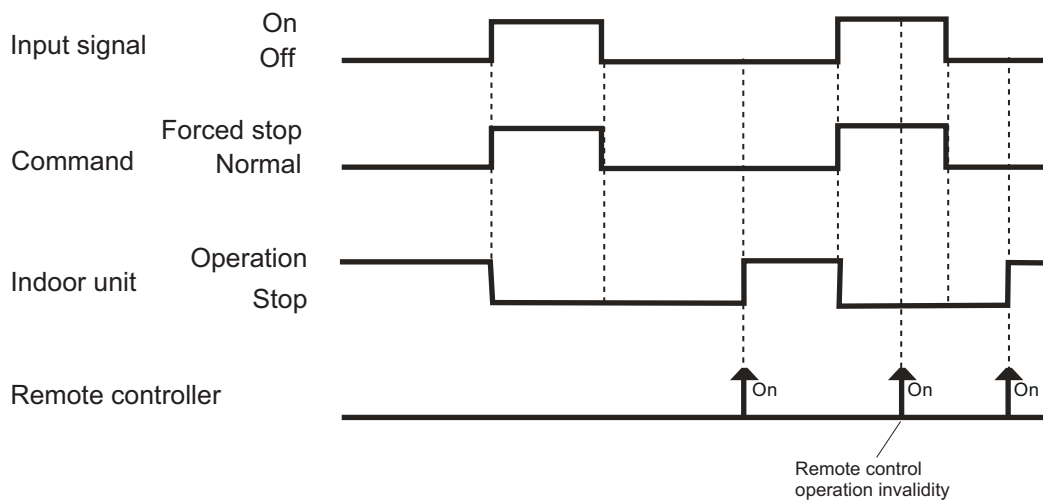


- Contact capacity: DC 24 V or more, 10 mA or more.
- *: Make the distance from the PCB to the connected unit within 10 m.
- Use non-polar relays and switches.

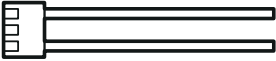
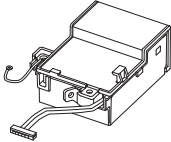
● When function setting is "Operation/Stop" mode



● When function setting is "Forced stop" mode



● Optional part

Part name	Model name	Exterior
External connect kit	UTY-XWZXZ5	External input wire 
Communication kit	UTY-XCBXZ2	

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

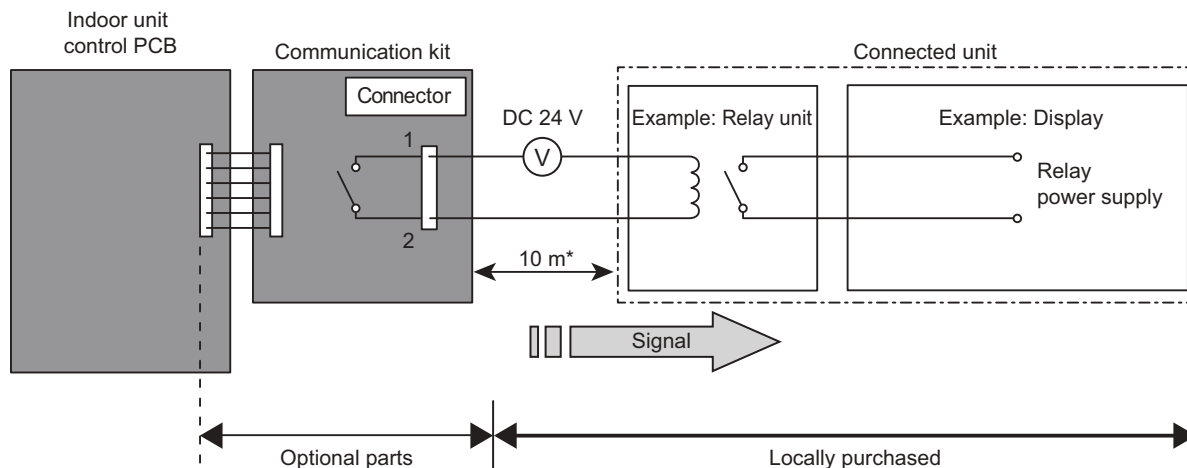
9-2. External output

With using external output function, operating status of this product can be transmitted to the external device, and also, this product can be inter-connected with the external device.

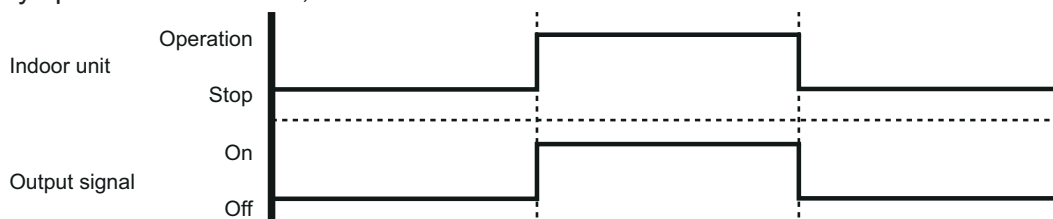
■ Operation status output

Air conditioner operation status signal can be output.

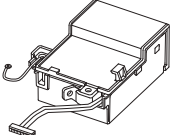
● Circuit diagram example



- *: Make the distance from the PCB to the connected unit within 10 m.
- Relay spec: Max. DC 24 V, 10 mA to less than 500 mA.



● Optional part

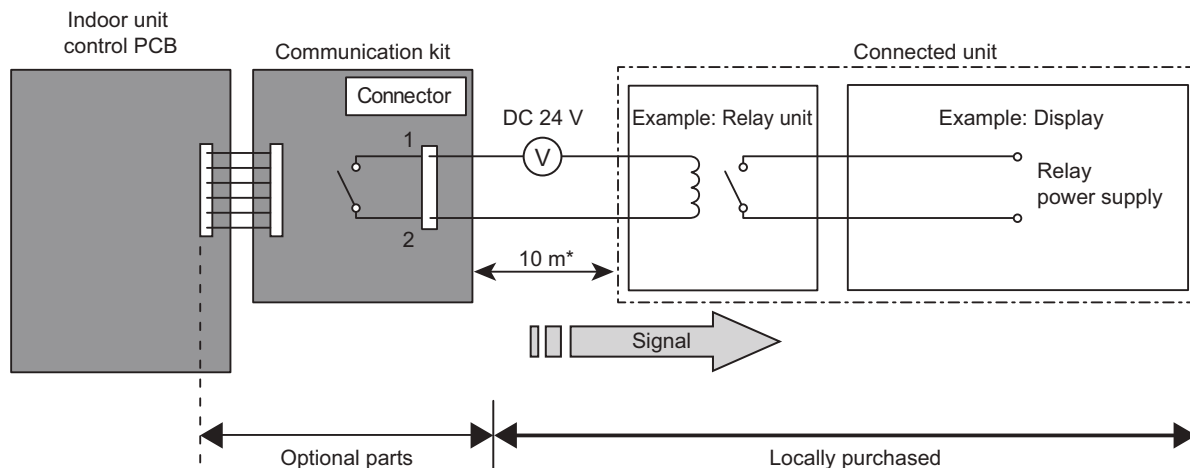
Part name	Model name	Exterior
External connect kit	UTY-XWZXZ5	External output wire 
Communication kit	UTY-XCBXZ2	

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

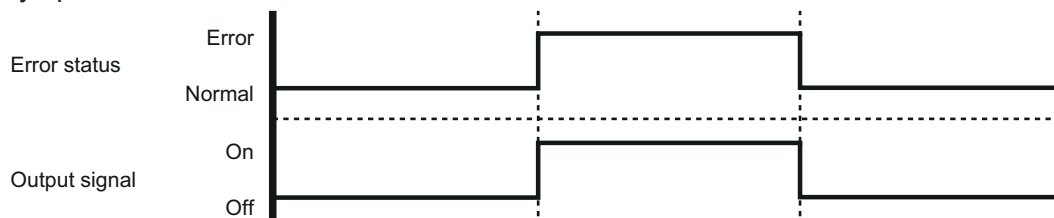
■ Error status output

Air conditioner error status signal can be output.

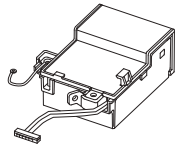
● Circuit diagram example



- *: Make the distance from the PCB to the connected unit within 10 m.
- Relay spec: Max. DC 24 V, 10 mA to less than 500 mA.



● Optional part

Part name	Model name	Exterior
External connect kit	UTY-XWZXZ5	External output wire 
Communication kit	UTY-XCBXZ2	

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

10. Function settings

To adjust the functions of this product according to the installation environment, various types of function settings are available.

NOTE: Incorrect settings can cause a product malfunction.

10-1. Function settings by using remote controller

Some function settings can be changed on the remote controller. After confirming the setting procedure and the content of each function setting, select appropriate functions for your installation environment.

NOTE: Incorrect settings can cause a product malfunction.

■ Setting procedure by using wireless remote controller

The function number and the associated setting value are displayed on the LCD of the remote controller. Follow the instructions written in the local setup procedure supplied with the remote controller, and select appropriate setting according to the installation environment.

Before connecting the power supply of the indoor unit, reconfirm following items:

- Piping air tight test and vacuuming have been performed firmly.
- There is no wiring mistake.

Then, connect the power supply of the indoor unit.

Entering function setting mode:

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

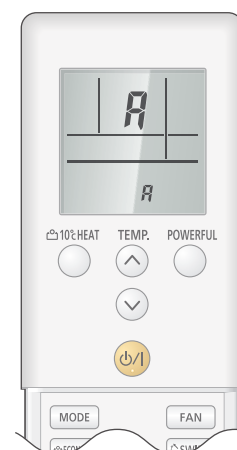
STEP 1: Setting the remote controller custom code

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

The custom codes that are set through this process are applicable only to the signal in the function setting.

For details on how to set the custom codes through the normal process, refer to ["Custom code setting for wireless remote controller"](#) on page 28.

1. Press the TEMP. (▲) (▼) buttons to change the custom code between **A** → **b** → **c** → **d**. Match the code on the display to the air conditioner custom code. (Initially set to **A**.) If the custom code does not need to be selected, press the 10 °C HEAT button, and proceed to **STEP 2**.
2. Press the MODE button and check that the indoor unit can receive signals at the displayed custom code.
3. Press the 10 °C HEAT button to accept the custom code, and proceed to **STEP 2**.
4. After completing the function setting, be sure to disconnect the power supply and then reconnect it.

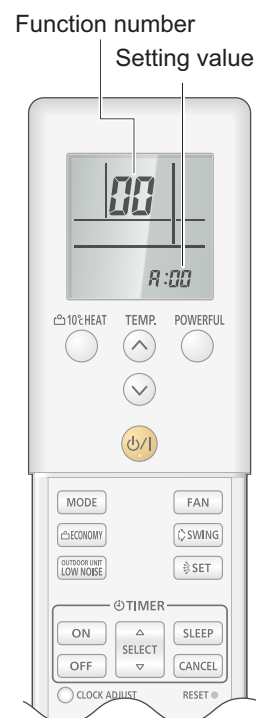


NOTES:

- The air conditioner custom code is set to $\overline{A}$ prior to shipment.
- The remote controller resets to custom code $\overline{A}$ when the batteries on the remote controller are replaced. If you use a custom code other than code $\overline{A}$, reset the custom code after replacing the batteries.
- If you do not know the air conditioner custom code setting, try each of the custom codes ($\overline{A} \rightarrow \overline{B} \rightarrow \overline{C} \rightarrow \overline{D}$) until you find the code that operates the air conditioner.

STEP 2: Selecting the function number and setting value

1. Press the TEMP. ($\wedge$) ($\vee$) buttons to select the function number. To switch between the left and right digits, press the 10 °C HEAT button.
2. Press the POWERFUL button to proceed the setting value. To return the function number selection, press the POWERFUL button again.
3. Press the TEMP. ($\wedge$) ($\vee$) buttons to select the setting value. To switch between the left and right digits, press the 10 °C HEAT button.
4. Press the MODE button, and START/STOP button, in the order listed to confirm the settings.
5. Press the RESET button to cancel the function setting mode.
6. After completing the function setting, be sure to disconnect the power supply and then reconnect it.

**⚠ CAUTION**

After disconnecting the power supply, wait 30 seconds or more before reconnecting it. The function setting will not become active unless the power supply is disconnected and then reconnected.

■ Contents of function setting

Each function setting listed in this section is adjustable in accordance with the installation environment.

NOTE: Setting will not be changed if invalid numbers or setting values are selected.

● Function setting list

	Function no.	Functions
1)	11	Filter sign
2)	30	Room temperature sensor control for cooling
3)	31	Room temperature sensor control for heating
4)	40	Auto restart
5)	42	Room temperature sensor switching
6)	44	Remote controller custom code
7)	46	External input control
8)	48	Room temperature sensor switching (Aux.)
9)	49	Indoor unit fan control for energy saving for cooling

1) Filter sign

Select appropriate intervals for displaying the filter sign on the indoor unit according to the estimated amount of dust in the air of the room.

If the indication is not required, select "No indication" (03).

Function number	Setting value	Setting description	Factory setting
11	00	Standard (400 hours)	
	01	Long interval (1,000 hours)	
	02	Short interval (200 hours)	
	03	No indication	◆

2) Room temperature sensor control for cooling

Depending on the installed environment, correction of the room temperature sensor may be required. Select the appropriate control setting according to the installed environment.

Function number	Setting value	Setting description	Factory setting
30	00	Standard	◆
	01	Slightly lower control	
	02	Lower control	
	03	Higher control	

3) Room temperature sensor control for heating

Depending on the installed environment, correction of the room temperature sensor may be required. Select the appropriate control setting according to the installed environment.

Function number	Setting value	Setting description	Factory setting
31	00	Standard	◆
	01	Lower control	
	02	Slightly higher control	
	03	Higher control	

4) Auto restart

Enables or disables automatic restart after a power interruption.

Function number	Setting value	Setting description	Factory setting
40	00	Enable	◆
	01	Disable	

NOTE: Auto restart is an emergency function such as for power outage etc. Do not attempt to use this function in normal operation. Be sure to operate the unit by remote controller or external device.

5) Room temperature sensor switching

(Only for wired remote controller)

When using the wired remote controller temperature sensor, change the setting to "Both" (01).

Function number	Setting value	Setting description	Factory setting
42	00	Indoor unit	◆
	01	Both	

00: Sensor on the indoor unit is active.

01: Sensors on both indoor unit and wired remote controller are active.

NOTE: Remote controller sensor must be turned on by using the remote controller.

6) Remote controller custom code

(Only for wireless remote controller)

The indoor unit custom code can be changed. Select the appropriate custom code.

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

7) External input control

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

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

8) Room temperature sensor switching (Aux.)

To use the temperature sensor on the wired remote controller only, change the setting to "Wired remote controller" (01).

This function will only work if the function setting 42 is set at "Both" (01).

When the setting value is set to "Both" (00), more suitable control of the room temperature is possible by setting function setting 30 and 31 too.

Function number	Setting value	Setting description	Factory setting
48	00	Both	◆
	01	Wired remote controller	

9) Indoor unit fan control for energy saving for cooling

Enables or disables the power-saving function by controlling the indoor unit fan rotation when the outdoor unit is stopped during cooling operation.

Function number	Setting value	Setting description	Factory setting
49	00	Disable	
	01	Enable	◆

00: When the outdoor unit is stopped, the indoor unit fan operates continuously following the setting on the remote controller.

01: When the outdoor unit is stopped, the indoor unit fan operates intermittently at a very low speed.

10-2. Custom code setting for wireless remote controller

To interconnect the air conditioner and the wireless remote controller, assignment of the custom code for the wireless remote controller is required.

NOTE: Air conditioner cannot receive a signal if the air conditioner has not been set for the custom code.

When 2 or more air conditioners are installed in a room, and the remote controller is operating an air conditioner other than the one you wish to set, change the custom code of the remote controller to operate only the air conditioner you wish to set. (4 selections possible.)

Confirm the setting of the remote controller custom code and the function setting. If these do not match, the remote controller cannot be used to operate for the air conditioner.

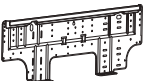
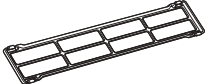
1. Press the START/STOP button until only the clock is displayed on the remote controller display.
2. Press the MODE button for at least 5 seconds to display the current custom code. (Initially set to $\overline{A}$.)
3. Press the TEMP. ($\wedge$) ($\vee$) buttons to change the custom code between $\overline{A} \rightarrow \overline{B} \rightarrow \overline{C} \rightarrow \overline{D}$. Match the code on the display to the air conditioner custom code. (Initially set to $\overline{A}$.)
4. Press the MODE button again to return to the clock display. The custom code will be changed.



NOTES:

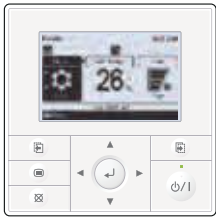
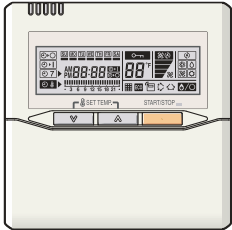
- If no button is pressed within 30 seconds after the custom code is displayed, the system returns to the original clock indicator. In this case, start again from step 1.
- The air conditioner custom code is set to $\overline{A}$ prior to shipment. To change the custom code, contact your retailer.
- If you do not know the assigned code for the air conditioner, try each of the custom code ($\overline{A} \rightarrow \overline{B} \rightarrow \overline{C} \rightarrow \overline{D}$) until you find the code which operates the air conditioner.

11. Accessories

Part name	Exterior	Q'ty	Part name	Exterior	Q'ty
Operating manual		1	Cloth tape		1
Installation manual		1	Tapping screw (large), M4 × 25 mm		5
Wall hook bracket		1	Tapping screw (small), M3 × 12 mm		2
Remote controller		1	Air cleaning filter		2
Battery		2	Filter holder		2
Remote controller holder		1	Seal A (for 15 model)		1

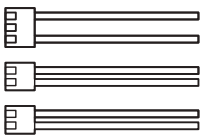
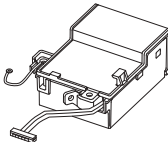
12. Optional parts

12-1. Controllers

Exterior	Part name	Model name	Summary
	Wired remote controller	UTY-RVNYM	Large and full-dot liquid crystal screen, wide and large keys easy to press, user-intuitive arrow key. Wire type: Polar 3-wire
	Wired remote controller	UTY-RNNYM	Room temperature can be controlled by detecting the temperature accurately with built-in thermo sensor. Wire type: Polar 3-wire
	Simple remote controller	UTY-RSNYM	Compact remote controller concentrates on the basic functions such as Start/Stop, fan control, temperature setting, and operation mode. Wire type: Polar 3-wire

NOTE: Available functions may differ by the remote controller. For details, refer to the operation manual.

12-2. Others

Exterior	Part name	Model name	Summary
	External connect kit	UTY-XWZXZ5	Required when external device is connected.
	Communication kit	UTY-XCBXZ2	Use to connect with optional devices and air conditioner PCB.

Part 2. OUTDOOR UNIT

SINGLE TYPE:

AOYG07LMCE

AOYG09LMCE

AOYG12LMCE

AOYG14LMCE

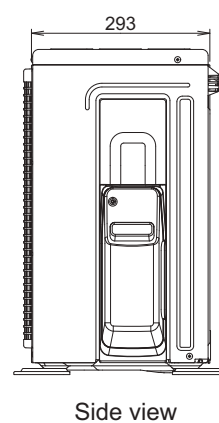
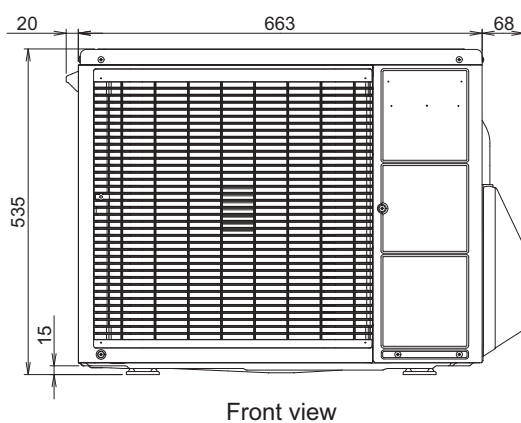
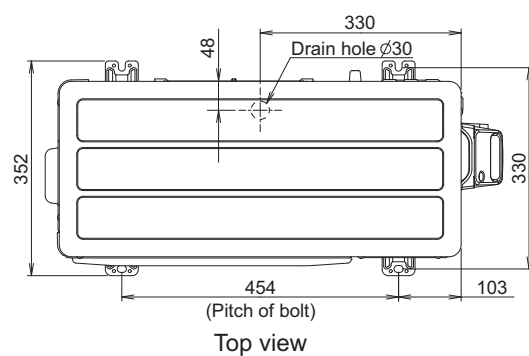
1. Specifications

Type				Inverter heat pump					
Model name				AOYG07LMCE	AOYG09LMCE	AOYG12LMCE	AOYG14LMCE		
Power supply				230 V ~ 50 Hz					
Available voltage range				198—264 V					
Starting current				3.3	3.5	4.8	6.3		
Fan	Airflow rate	Cooling	m³/h	1,670		1,830	1,940		
		Heating		1,470		1,600	1,700		
		Type × Q'ty	Propeller fan × 1						
Motor output		W	23				37		
Sound pressure level *1		Cooling	dB (A)	45		50			
		Heating		45		50			
Sound power level		Cooling	dB (A)	58		61	65		
		Heating		56		61	65		
Heat exchanger type		Dimensions (H × W × D)	mm	650 × 504 × 18.2		642 × 504 × 36.4	896 × 504 × 36.4		
		Fin pitch		1.3		1.4	1.3		
		Rows × Stages		1 × 24		2 × 24			
		Pipe type		Copper					
		Fin type		Type (Material)	Corrugate (Aluminum)				
		Surface treatment	Corrosion resistance (Blue fin)						
Compressor	Type × Q'ty			Rotary × 1					
	Motor output	W	500		610	750			
Refrigerant		Type (Global warming potential)	R410A (1975)						
		Charge	g	700	850	1,050			
Refrigerant oil		Type	POE (VG74)						
		Amount	cm³	280					
Enclosure		Material	Steel sheet						
		Color	Beige						
			Approximate color of MUNSELL 10YR7.5/1.0						
Dimensions (H × W × D)	Net	mm	535 × 663 × 293				540 × 790 × 290		
	Gross		595 × 790 × 395				648 × 938 × 400		
Weight	Net	kg	21		26	34			
	Gross		25		30	37			
Connection pipe	Size	Liquid	mm (in)	Ø 6.35 (Ø 1/4)					
		Gas		Ø 9.52 (Ø 3/8)		Ø 12.7 (Ø 1/2)			
	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						
Drain hose		Material		PP+LLDPE			LDPE		
		Size	mm	Ø 13.0 (I. D.), Ø 16.0 to Ø 16.8 (O. D.)			Ø 13.0 (I. D.), Ø 16.0 to Ø 16.7 (O. D.)		
NOTES:									
- 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. - Protective function might work when using it outside the operation range. *1: Sound pressure level - Measured values in manufacturer's anechoic chamber. - Because of the surrounding sound environment, the sound levels measured in actual installation conditions might be higher than the specified values here.									

2. Dimensions

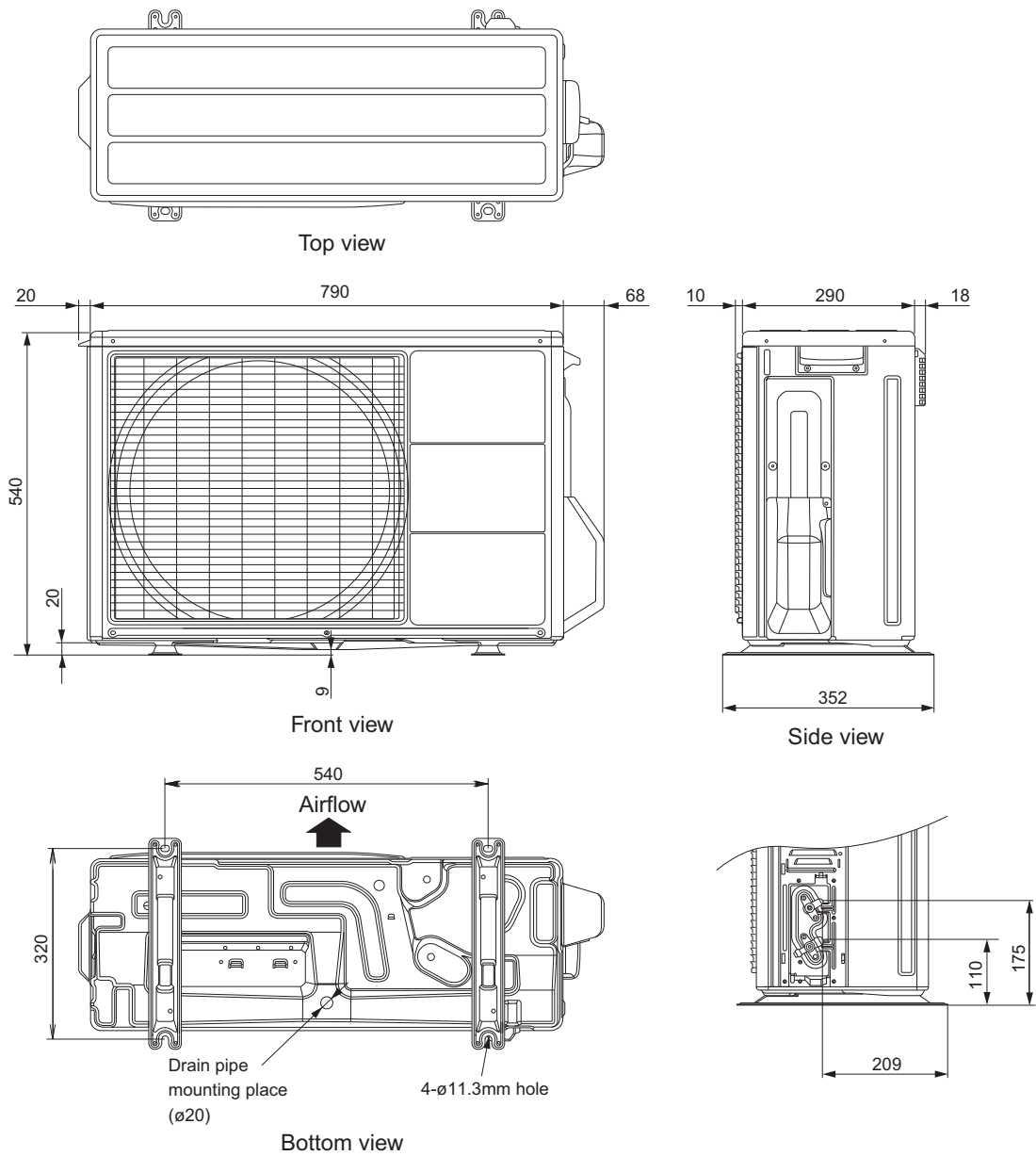
2-1. Models: AOYG07LMCE, AOYG09LMCE, and AOYG12LMCE

Unit: mm



2-2. Model:AOYG14LMCE

Unit: mm



3. Installation space

3-1. Models:AOYG07LMCE, AOYG09LMCE, AOYG12LMCE, and AOYG14LMCE

■ Space requirement

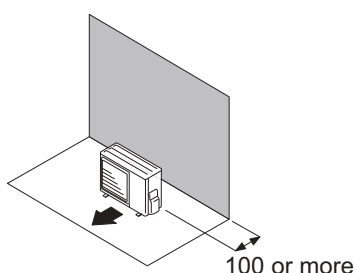
Provide sufficient installation space for product safety.

● Single outdoor unit installation

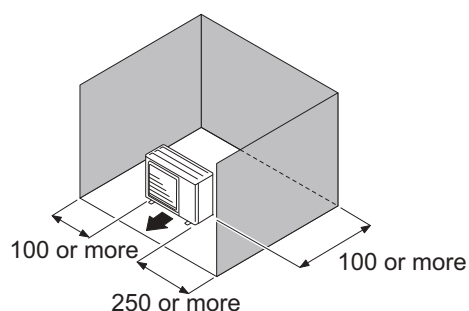
- When the upper space is open:

Unit: mm

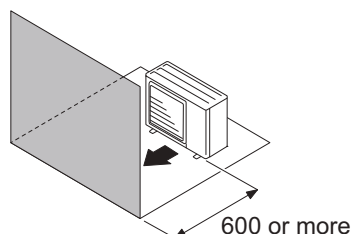
When there are obstacles at the rear only.



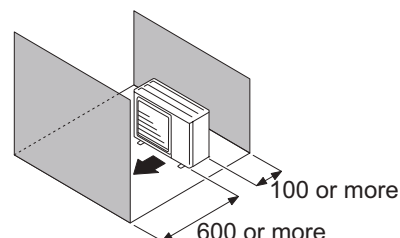
When there are obstacles at the rear and sides.



When there are obstacles at the front only.



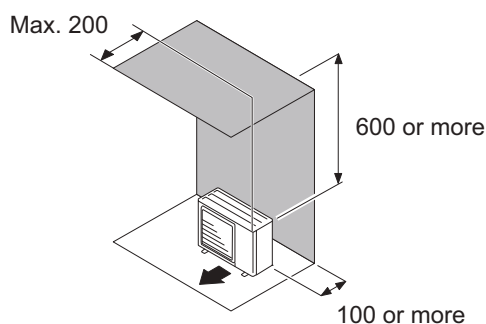
When there are obstacles at the front and rear.



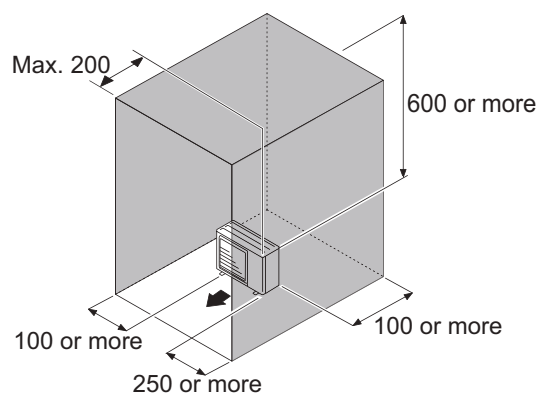
- When there is an obstruction in the upper space:

Unit: mm

When there are obstacles at the rear and above.



When there are obstacles at the rear, sides, and above.

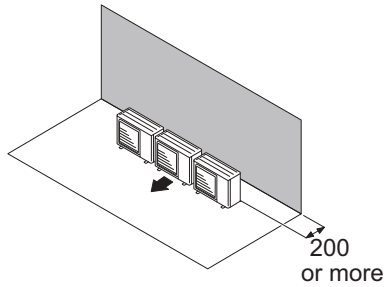


● Multiple outdoor unit installation

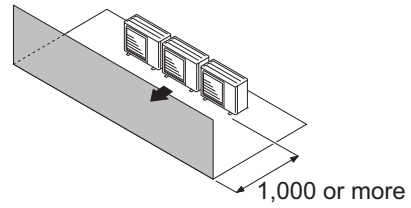
- When the upper space is open:

Unit: mm

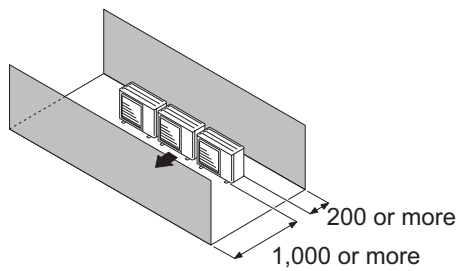
When there are obstacles at the rear only.



When there are obstacles at the front only.



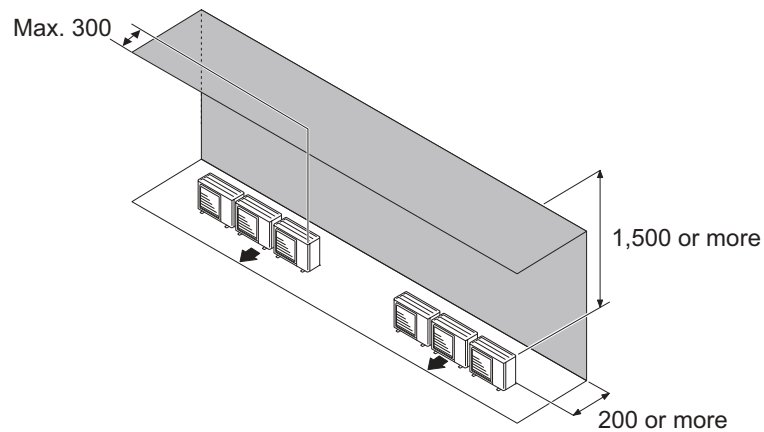
When there are obstacles at the front and rear.



- When there is an obstruction in the upper space:

Unit: mm

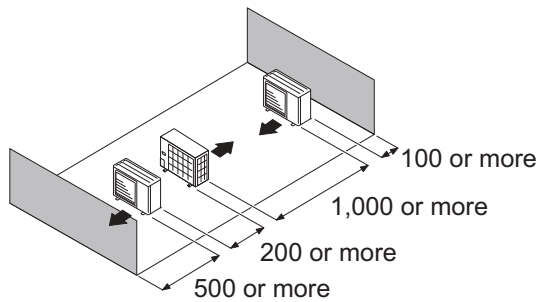
When there are obstacles at the rear and above.



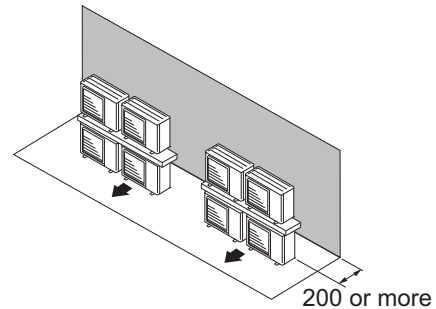
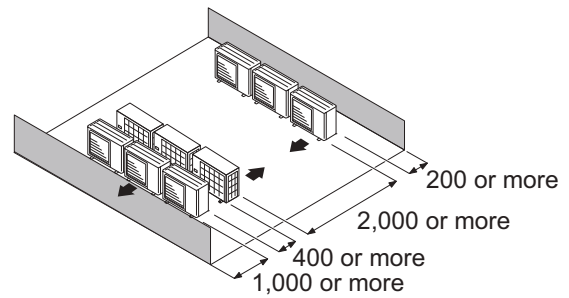
● Outdoor unit installation in multi-row

Unit: mm

Single parallel unit arrangement



Multiple parallel unit arrangement

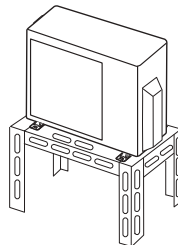


NOTES:

- If the space is larger than stated above, the condition will be the same as when there is no obstacle.
- Height above the floor level should be 50 mm or more.
- When installing the outdoor unit, be sure to open the front and left side to obtain better operation efficiency.

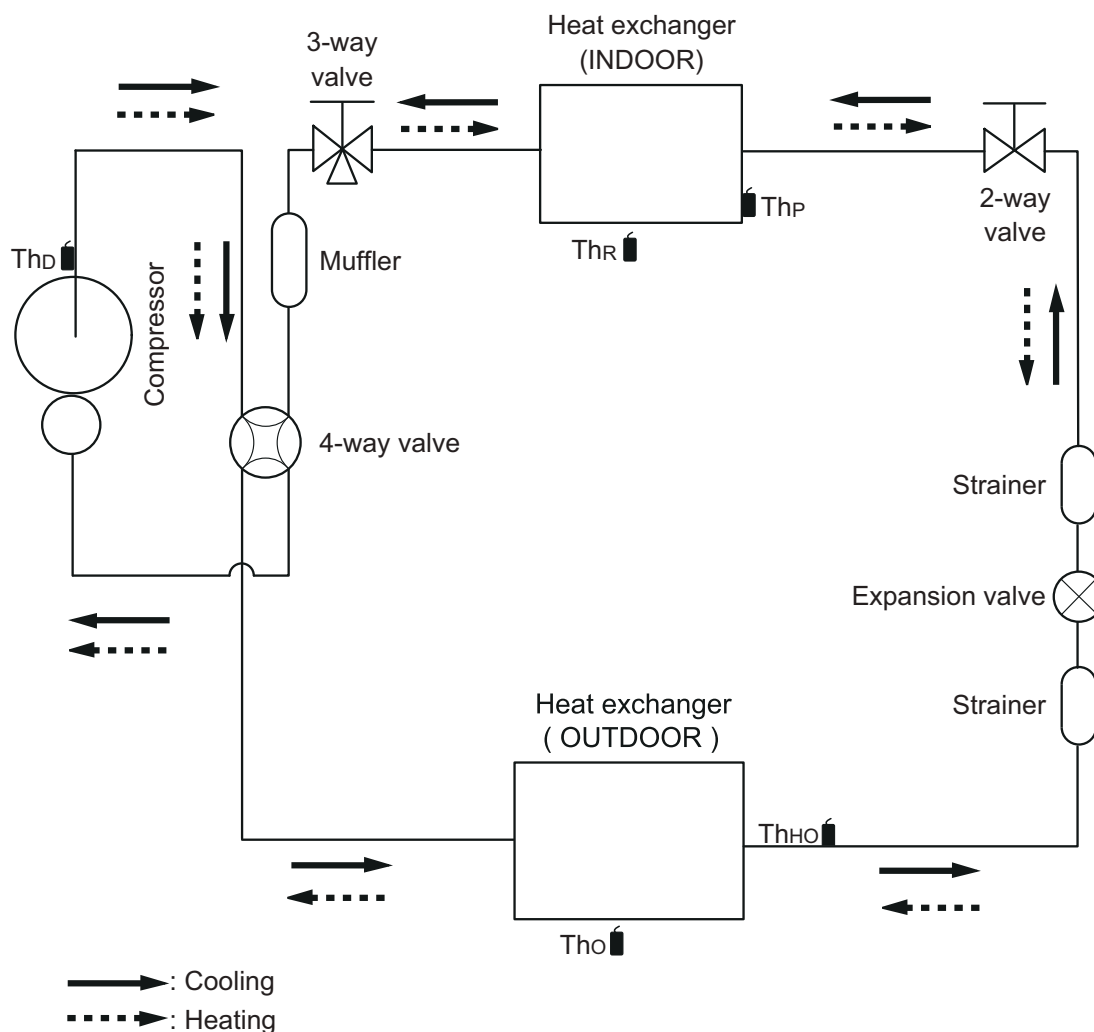
⚠ CAUTION

- Do not install the outdoor unit in two-stage where the drain water could freeze. Otherwise the drainage from the upper unit may form ice and cause a malfunction of the lower unit.
- When the outdoor temperature is 0 °C or less, do not use the accessory drain pipe and drain cap. If the drain pipe and drain cap are used, the drain water in the pipe may freeze in extremely cold climate. (For reverse cycle model only.)
- In area with heavy snowfall, if the inlet and outlet of the outdoor unit is blocked with snow, it might become difficult to get warm, and it is likely to cause product malfunction. Construct a canopy and a pedestal, or place the unit on a high stand that is locally installed.



4. Refrigerant circuit

4-1. Models: AOYG07LMCE, AOYG09LMCE, AOYG12LMCE, and AOYG14LMCE



ThD : Thermistor (Discharge temperature)

Tho : Thermistor (Outdoor temperature)

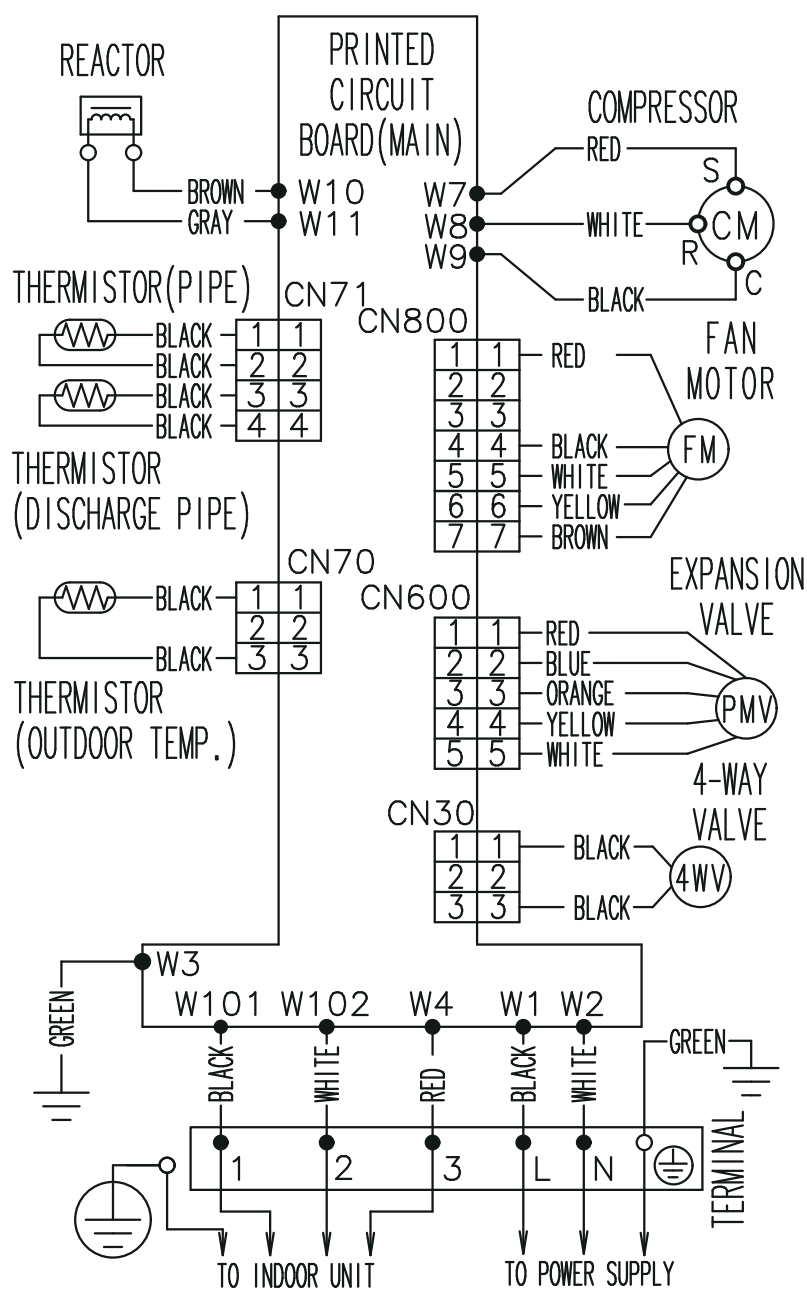
$ThHo$: Thermistor (Heat exchanger out temperature)

ThR : Thermistor (Room temperature)

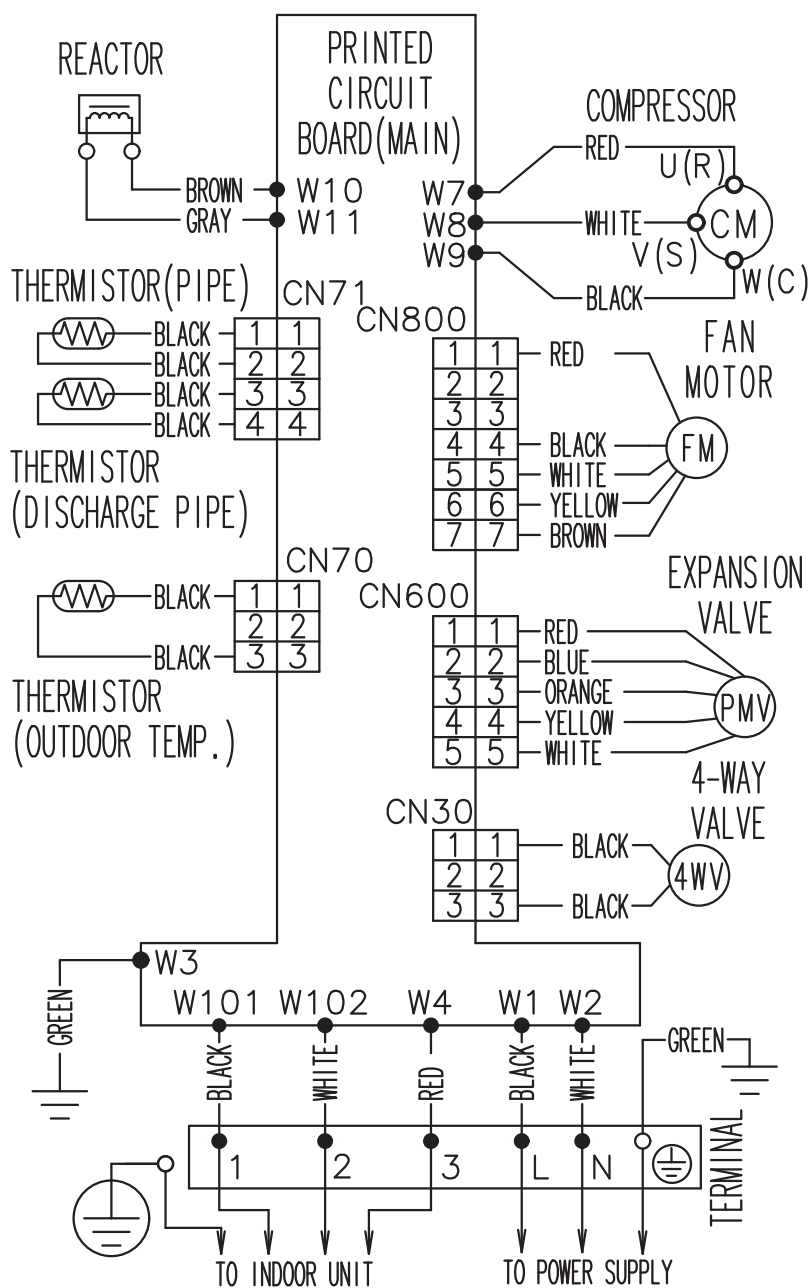
ThP : Thermistor (Pipe temperature)

5. Wiring diagrams

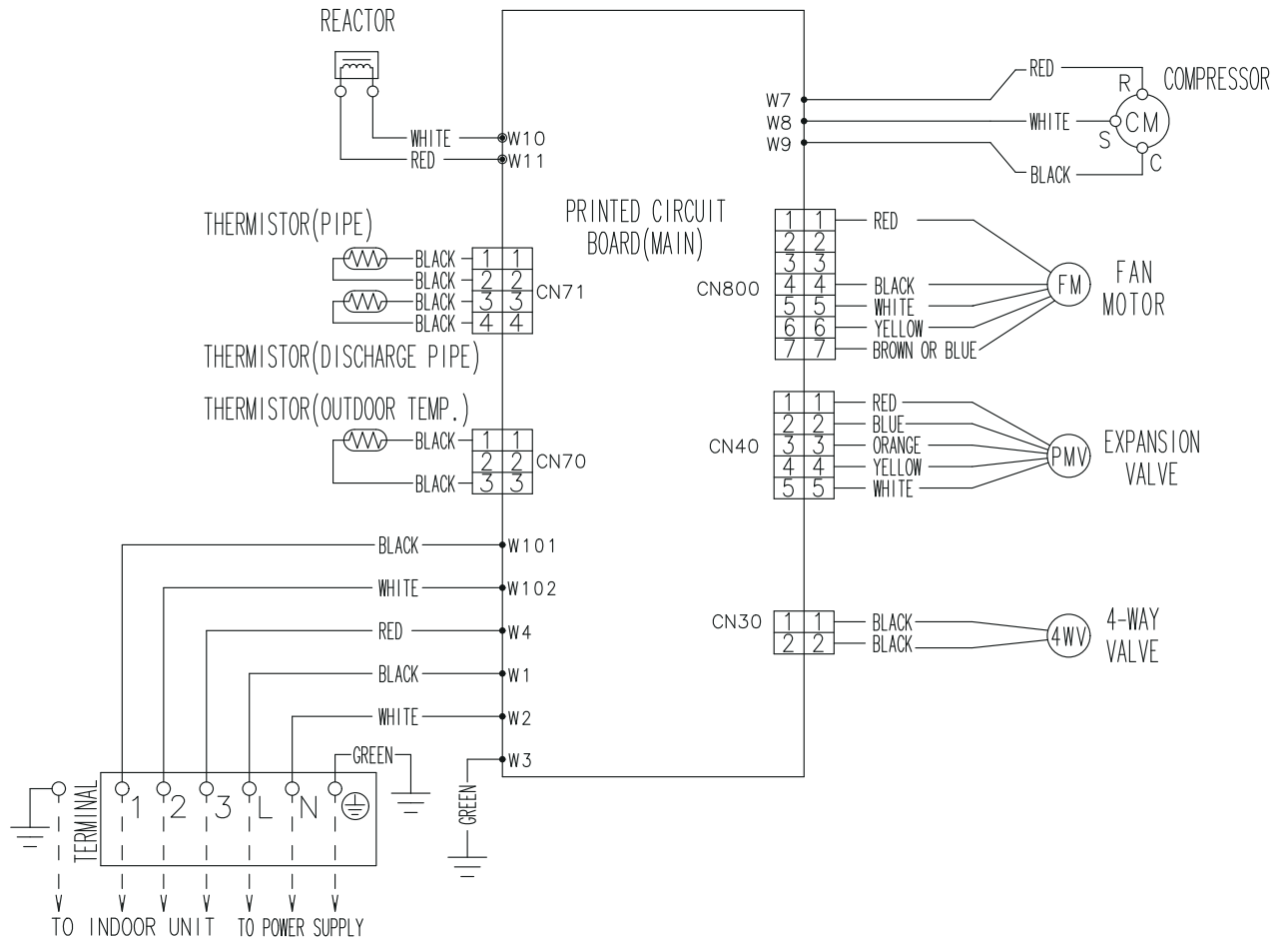
5-1. Models:AOYG07LMCE and AOYG09LMCE



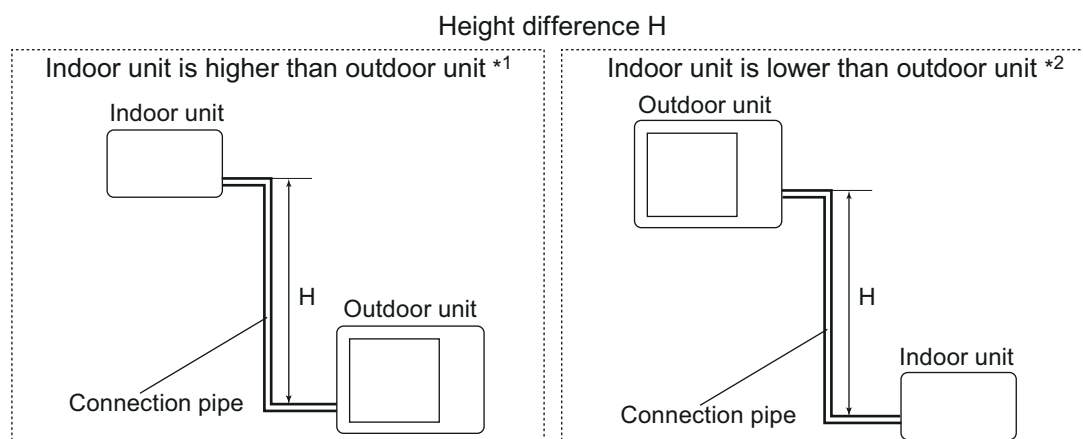
5-2. Model:AOYG12LMCE



5-3. Model:AOYG14LMCE



6. Capacity compensation rate for pipe length and height difference



6-1. Models:AOYG07LMCE and AOYG09LMCE

NOTE: Values mentioned in the table are calculated based on the maximum capacity.

COOLING			Pipe length (m)				
			5	7.5	10	15	20
Height difference H (m)	Indoor unit is higher than outdoor unit *1	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
	Indoor unit is lower than outdoor unit *2	-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)	Indoor unit is higher than outdoor unit *1	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
	Indoor unit is lower than outdoor unit *2	-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

6-2. Model:AOYG12LMCE

NOTE: Values mentioned in the table are calculated based on the maximum capacity.

COOLING			Pipe length (m)				
			5	7.5	10	15	20
Height difference H (m)	Indoor unit is higher than outdoor unit *1	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
	Indoor unit is lower than outdoor unit *2	0	1.000	0.972	0.944	0.887	0.896
		-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)	Indoor unit is higher than outdoor unit *1	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
	Indoor unit is lower than outdoor unit *2	0	1.000	0.994	0.968	0.896	0.879
		-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

6-3. Model:AOYG14LMCE

NOTE: Values mentioned in the table are calculated based on the maximum capacity.

COOLING			Pipe length (m)				
			5	7.5	10	15	20
Height difference H (m)	Indoor unit is higher than outdoor unit *1	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
	Indoor unit is lower than outdoor unit *2	0	1.000	0.987	0.970	0.923	0.939
		-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)	Indoor unit is higher than outdoor unit *1	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
	Indoor unit is lower than outdoor unit *2	0	1.000	1.013	1.004	0.956	0.938
		-5	0.995	1.008	0.999	0.951	0.938
		-7.5	-	1.005	0.997	0.948	0.931
		-10	-	-	0.994	0.946	0.929
		-15	-	-	-	0.937	0.919

7. Additional charge calculation

7-1. Models:AOYG07LMCE and AOYG09LMCE

Refrigerant type		R410A
Refrigerant amount	g	700

■ Refrigerant charge

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

7-2. Model:AOYG12LMCE

Refrigerant type		R410A
Refrigerant amount	g	850

■ Refrigerant charge

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

7-3. Model:AOYG14LMCE

Refrigerant type		R410A
Refrigerant amount	g	1,050

■ Refrigerant charge

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

8. Airflow

8-1. Models:AOYG07LMCE and AOYG09LMCE

● Cooling

m ³ /h	1,670
l/s	464
CFM	983

● Heating

m ³ /h	1,470
l/s	408
CFM	865

8-2. Model:AOYG12LMCE

● Cooling

m ³ /h	1,830
l/s	508
CFM	1,077

● Heating

m ³ /h	1,600
l/s	444
CFM	942

8-3. Model:AOYG14LMCE

● Cooling

m ³ /h	1,940
l/s	539
CFM	1,142

● Heating

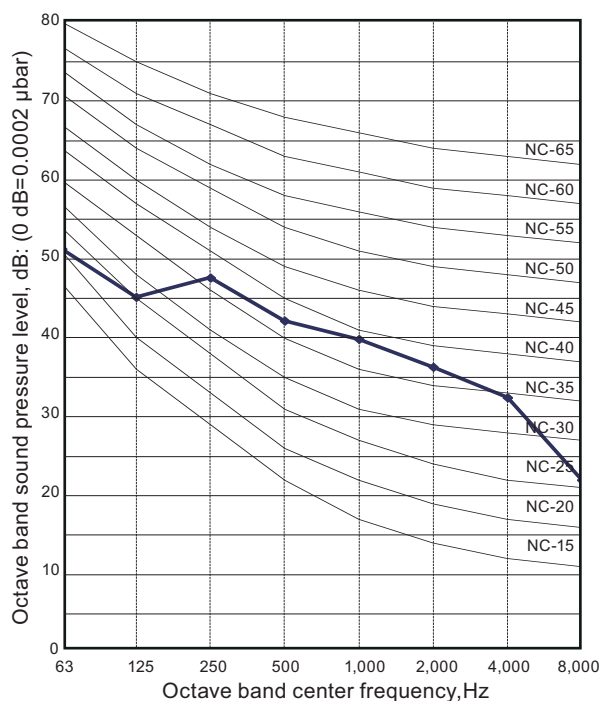
m ³ /h	1,700
l/s	472
CFM	1,001

9. Operation noise (sound pressure)

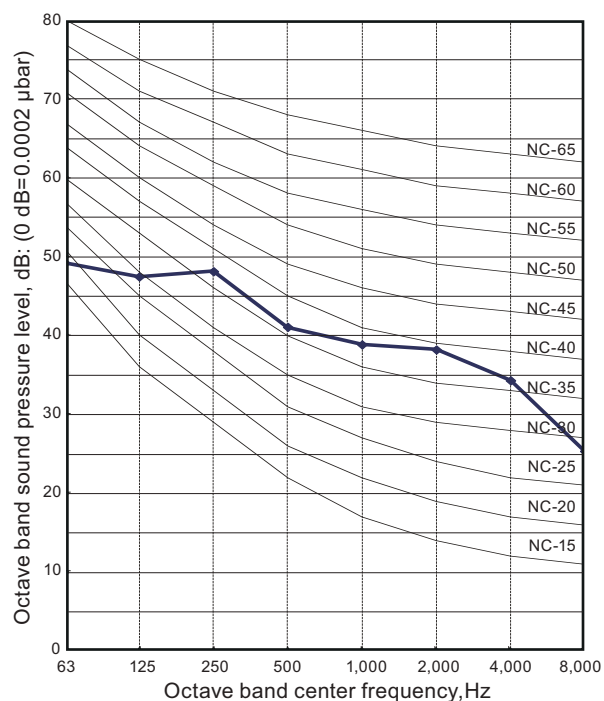
9-1. Noise level curve

■ Model:AOYG07LMCE

● Cooling

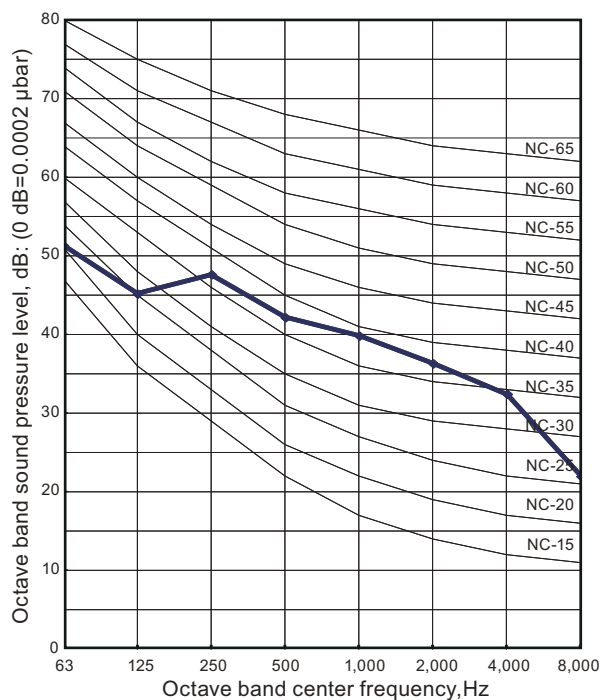


● Heating

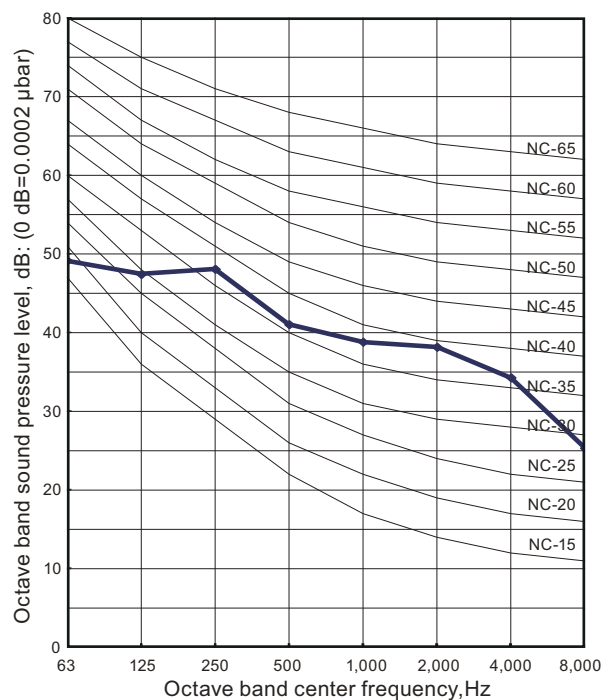


■ Model:AOYG09LMCE

● Cooling

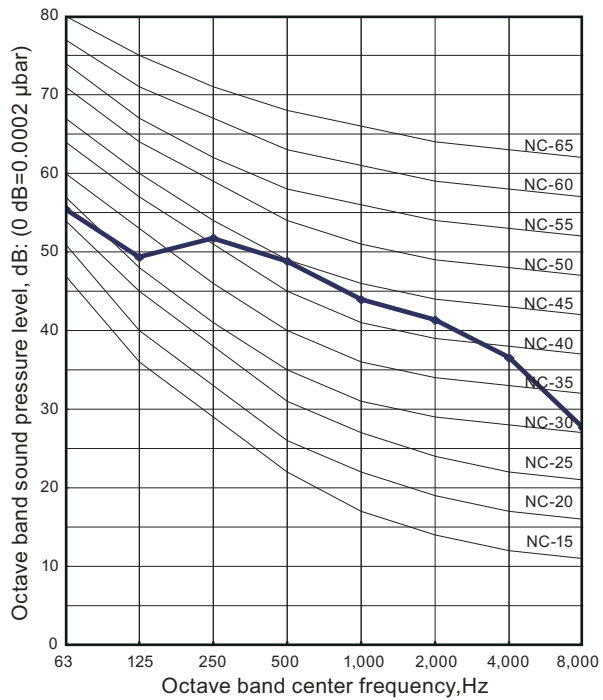


● Heating

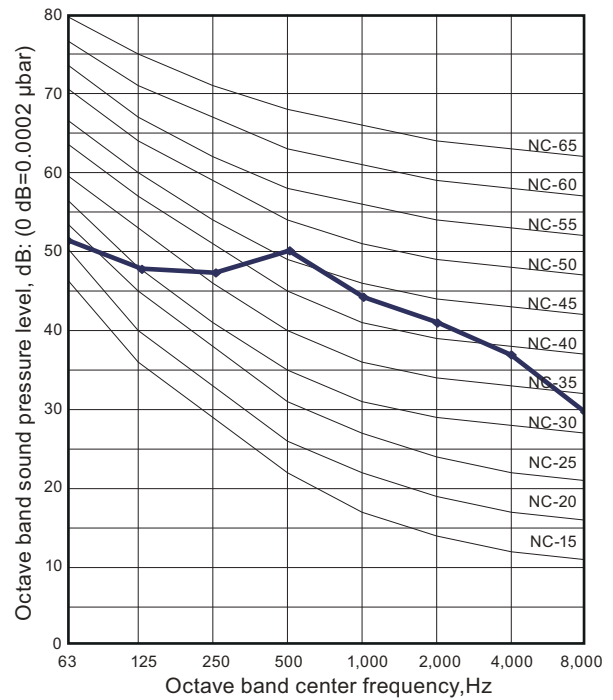


Model:AOYG12LMCE

Cooling

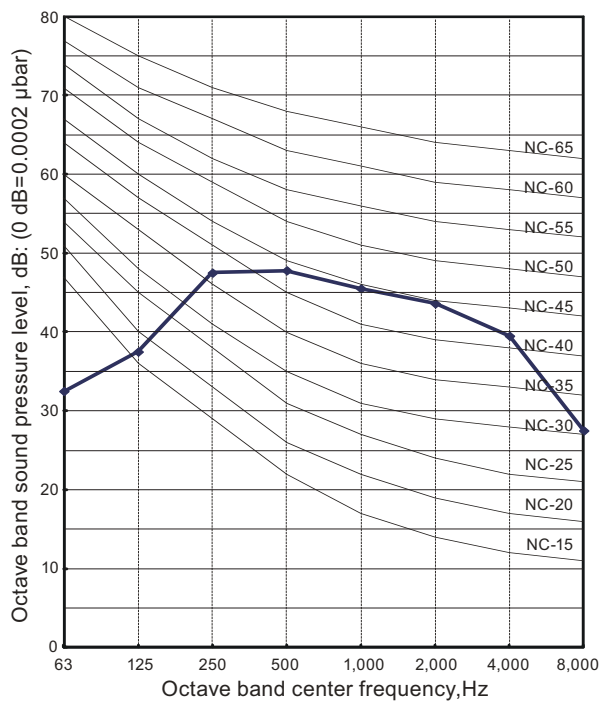


Heating

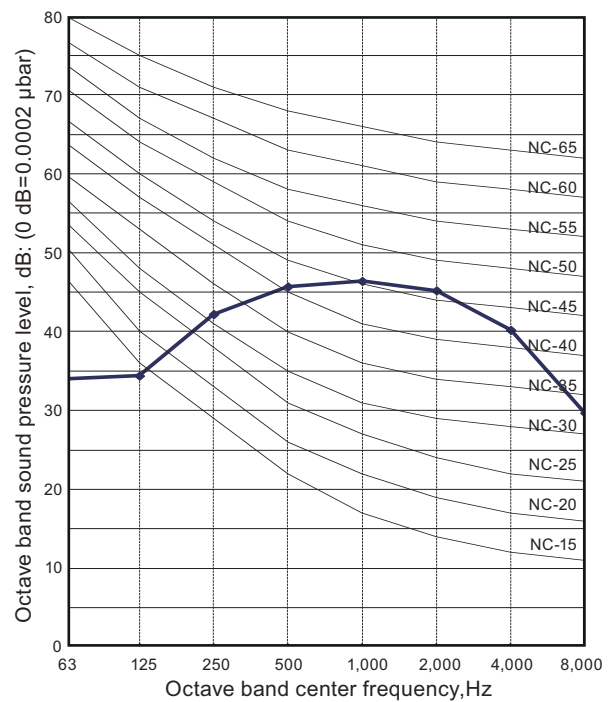


Model:AOYG14LMCE

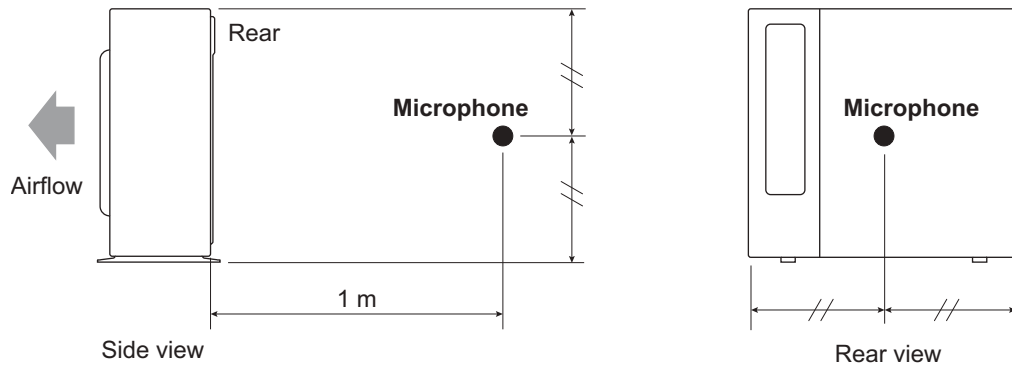
Cooling



Heating



9-2. Sound level check point



NOTE: Detailed shape of the actual outdoor unit might be slightly different from the one illustrated above.

10. Electrical characteristics

Model name			AOYG07LMCE	AOYG09LMCE	AOYG12LMCE	AOYG14LMCE
Power supply	Voltage	V	230 ~			
	Frequency	Hz	50			
Max operating current *1		A	7.5	7.5	9.0	10.5
Starting current		A	3.3	3.5	4.8	6.3
Wiring spec. *2	Circuit breaker current	A	15			
	Power cable	mm ²	1.5			
	Connection cable *3	mm ²	1.5			
	Limited wiring length	m	21			

*1: Maximum current is the total current of the indoor unit and the outdoor unit.

*2: Selected sample based on Japan Electrotechnical Standards and Codes Committee E0005.
As the regulations of wire size and circuit breaker differ in each country or region, select appropriate devices complied to the regional standard.

*3: Limit voltage drop to less than 2%. If voltage drop is 2% or more, increase cable conductor size.

11. Safety devices

Type of protection	Protection form		Model			
			AOYG07LMCE	AOYG09LMCE	AOYG12LMCE	AOYG14LMCE
Circuit protection	Current fuse (PCB*)		250 V, 20 A			
			250 V, 3.15 A			250 V, 5 A
Fan motor protection	Terminal protection program	Activate	100±15°C Fan motor stop			150±15°C Fan motor stop
		Reset	95±10°C Fan motor restart			120±15°C Fan motor restart
Compressor protection	Terminal protection program (Discharge temp.)	Activate	110°C Compressor stop			
		Reset	After 7 minutes Compressor restart			

12. Accessories

Part name	Exterior	Q'ty	Part name	Exterior	Q'ty
Installation manual		1	Drain pipe		1