

REFRIGERANT R32
INVERTER

AIR CONDITIONER

Multi: 2 units type

DESIGN & TECHNICAL MANUAL

INDOOR



AUXG07KVLA
AUXG09KVLA
AUXG12KVLA
AUXG14KVLA



ARXG07KSLAP
ARXG09KSLAP
ARXG12KSLAP
ARXG14KSLAP



ARXG07KLLAP
ARXG09KLLAP
ARXG12KLLAP
ARXG14KLLAP



ASYG07KGTB
ASYG09KGTB
ASYG12KGTB
ASYG14KGTB



ASYG07KMTB
ASYG09KMTB
ASYG12KMTB
ASYG14KMTB



ASYG07KETA
ASYG09KETA
ASYG12KETA
ASYG14KETA



ASYG07KETA-B
ASYG09KETA-B
ASYG12KETA-B
ASYG14KETA-B

OUTDOOR



AOYG14KBTA2



AOYG18KBTA2

FUJITSU GENERAL LIMITED

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Part 1. INDOOR UNIT

COMPACT CASSETTE TYPE: WALL MOUNTED TYPE:

AUXG07KVLA	ASYG07KGTB
AUXG09KVLA	ASYG09KGTB
AUXG12KVLA	ASYG12KGTB
AUXG14KVLA	ASYG14KGTB

SLIM DUCT TYPE:

ARXG07KLLAP	ASYG07KMTB
ARXG09KLLAP	ASYG09KMTB
ARXG12KLLAP	ASYG12KMTB
ARXG14KLLAP	ASYG14KMTB

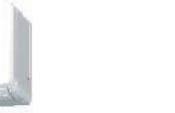
MINI DUCT TYPE:

ARXG07KSLAP	ASYG07KMCC
ARXG09KSLAP	ASYG09KMCC
ARXG12KSLAP	ASYG12KMCC
ARXG14KSLAP	ASYG14KMCC

ASYG07KETA
ASYG09KETA
ASYG12KETA
ASYG14KETA

ASYG07KETA-B
ASYG09KETA-B
ASYG12KETA-B
ASYG14KETA-B

1. Model lineup

Indoor unit			
			
AUXG07KVLA AUXG09KVLA AUXG12KVLA AUXG14KVLA	ARXG07KSLAP ARXG09KSLAP ARXG12KSLAP ARXG14KSLAP	ARXG07KLLAP ARXG09KLLAP ARXG12KLLAP ARXG14KLLAP	ASYG07KGTB ASYG09KGTB ASYG12KGTB ASYG14KGTB
			
ASYG07KMTB ASYG09KMTB ASYG12KMTB ASYG14KMTB	ASYG07KMCC ASYG09KMCC ASYG12KMCC ASYG14KMCC	ASYG07KETA ASYG09KETA ASYG12KETA ASYG14KETA	ASYG07KETA-B ASYG09KETA-B ASYG12KETA-B ASYG14KETA-B
Outdoor unit			
			
AOYG14KBTA2		AOYG18KBTA2	

1-1. Indoor unit connection patterns

■ 2 rooms

AOYG14KBTA2			
Combination no.	Room 1	Room 2	Total
1	7	7	14
2	7	9	16
3	7	12	19
4	9	9	18
5	9	12	21

AOYG18KBTA2			
Combination no.	Room 1	Room 2	Total
1	7	7	14
2	7	9	16
3	7	12	19
4	7	14	21
5	9	9	18
6	9	12	21
7	9	14	23
8	12	12	24
9	12	14	26

Numbers in column Room 1, 2, and Total indicate the indoor unit capacities as follows:

7: 7,000 Btu/h, 9: 9,000 Btu/h, 12: 12,000 Btu/h, 14: 14,000 Btu/h

2. Specifications

2-1. Compact cassette type

Model name				AUXG07KVLA	AUXG09KVLA	AUXG12KVLA	AUXG14KVLA		
Power supply				1Ø 230 V ~50 Hz					
Available voltage range				198—264 V					
Capacity		kW class		2.0	2.5	3.5	4.0		
Input power		W		18		23	28		
Running current		A		0.15		0.19	0.22		
Fan	Airflow rate	Cooling	HIGH	m³/h	540	610	680		
			MED		490	530	580		
			LOW		440	470	490		
			QUIET		390	410	410		
		Heating	HIGH		540	610	790		
			MED		490	530	680		
			LOW		440	470	580		
			QUIET		390	410	450		
Type x Q'ty				Turbo fan × 1					
Motor output				W 54					
Sound pressure level *	Cooling	HIGH		dB (A)	33	37	38		
			MED		31	34	35		
			LOW		29	31	32		
			QUIET		27	28	29		
		Heating	HIGH		34	37	43		
			MED		32	34	38		
			LOW		29	31	34		
			QUIET		27	29	30		
Sound power level	Cooling	dB (A)		46					
	Heating			47					
Heat exchanger type	Dimensions (H × W × D)		mm	210 × 1,310 × 13.3 210 × 1,250 × 13.3					
	Fin pitch		mm	1.2					
	Rows × Stages			2 × 10					
	Pipe type			Copper tube					
Dimensions (H × W × D)	Fin type			Aluminum					
	Net	mm		245 × 570 × 570					
	Gross			265 × 730 × 625					
Weight	Net	kg		15					
	Gross			19					
Connection pipe	Size	Liquid	mm (in)	Ø6.35 (Ø1/4")					
		Gas		Ø9.52 (Ø3/8")					
	Method			Flare					
Operation range	Cooling	°C		18 to 32					
		%RH		80 or less					
	Heating	°C		16 to 30					
Drain hose	Material			PVC					
	Size	mm		VP25 (Ø 25 [I.D.], Ø 32 [O.D.])					
Cassette grille (Grid type: Option)	Model name			UTG-UFYF-W					
	Material			Polystyrene					
	Color			White					
				Approximate color of Munsell 9PB 9.1/0.2					
	Dimensions (H × W × D)	Net	mm	49 × 620 × 620					
		Gross		120 × 765 × 755					
Weight	Net	kg		2.3					
	Gross			4.5					

NOTES:

- The protective function might work when using it outside the operation range.
- *: Sound pressure level:
 - These are the measured values in the 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.

2-2. Mini duct type

Model name			ARXG07KSLAP	ARXG09KSLAP	ARXG12KSLAP	ARXG14KSLAP		
Power supply			1Ø 230 V ~50 Hz					
Available voltage range			198–264 V					
Capacity		kW class	2.0	2.5	3.5	4.0		
Input power	Fan	W	33	40	47	72		
			23	23	26	44		
			20	20	22	30		
			18	18	18	18		
			A	0.29	0.33	0.38		
Running current						0.58		
Fan	Airflow rate	Cooling	550	600	650	800		
			440	450	490	640		
			390	400	430	530		
			360	360	360	360		
		Heating	550	600	650	800		
			440	450	490	640		
			390	400	430	530		
			360	360	360	360		
Type × Q'ty			Sirocco fan × 2					
Motor output			W	75				
Recommended static pressure			Pa	0 to 30		0 to 50		
Sound pressure level *	Cooling	dB (A)	HIGH	29	29	31		
			MED	26	26	27		
			LOW	24	24	25		
			QUIET	23	23	23		
	Heating		HIGH	29	29	31		
			MED	26	26	27		
			LOW	24	24	25		
			QUIET	23	23	23		
Sound power level		Cooling	dB (A)	52	54	55		
		Heating		53	56	57		
Heat exchanger type			Dimensions (H × W × D)	mm				
			Fin pitch	mm				
Enclosure			Rows × Stages	2 × 16				
			Pipe type	Copper tube				
			Fin type	Aluminum				
Dimensions (H × W × D)			Material	Steel sheet				
			Color	—				
Weight		Net	mm	198 × 700 × 450				
		Gross		250 × 930 × 580				
Connection pipe		Net	kg	15.5				
		Gross		19.0				
Operation range		Size	Liquid	Ø6.35 (Ø1/4)				
			Gas	Ø9.52 (Ø3/8)				
Drain hose		Method		Flare				
		Cooling	°C	18 to 32				
			%RH	80 or less				
		Heating	°C	16 to 30				
NOTES:		Material		Hard PVC				
		Size	mm	Ø 25 (I.D.), Ø 32 (O.D.)				

2-3. Slim duct type

Model name				ARXG07KLLAP	ARXG09KLLAP	ARXG12KLLAP	ARXG14KLLAP			
Power supply				1Ø 230 V ~50 Hz						
Available voltage range				198–264 V						
Capacity		kW class	2.0	2.5	3.5	4.0				
Input power		W	33	49	58	76				
Running current		A	0.33	0.30	0.35	0.51				
Fan	Airflow rate	Cooling	HIGH	550	600	650	800			
			MED	490	550	600	700			
			LOW	470	500	550	600			
			QUIET	440	450	480	480			
		Heating	HIGH	550	600	650	800			
			MED	490	550	600	700			
			LOW	470	500	550	600			
			QUIET	440	450	480	480			
Type × Q'ty				Sirocco fan × 2						
Motor output		W	80	81						
Recommended static pressure		Pa	0 to 90							
Sound pressure level *	Cooling	HIGH	28	28	29	32				
			26	27	28	30				
			25	26	27	28				
			24	25	26	26				
		Heating	28	28	29	32				
			26	26	28	30				
			25	25	27	28				
			24	24	24	25				
Sound power level		Cooling	dB (A)	57	58	60				
		Heating		57	58	60				
Heat exchanger type	Dimensions (H × W × D)		mm	294 × 500 × 26.6	294 × 500 × 39.9					
	Fin pitch		mm	1.3						
	Rows × Stages		2 × 14		3 × 14					
	Pipe type		Copper tube							
	Fin type		Aluminum							
Enclosure	Material			Steel sheet						
	Color			—						
Dimensions (H × W × D)	Net		mm	198 × 700 × 620						
	Gross			276 × 968 × 772						
Weight	Net		kg	16	17					
	Gross			21	22					
Connection pipe	Size	Liquid	mm (in)	Ø6.35 (Ø1/4")						
		Gas		Ø9.52 (Ø3/8")						
	Method			Flare						
Operation range		Cooling	°C	18 to 32						
			%RH	80 or less						
Drain hose		Heating	°C	16 to 30						
			mm	PVC						
		Material		Ø 25 (I.D.), Ø 32 (O.D.)						
		Size	mm							

NOTES:

- Values mentioned in the table are based on the following conditions:
 - Static pressure: 25 Pa
 - The protective function might work when using it outside the operation range.
 - *: Sound pressure level:
 - These are the measured values in the 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.

2-4. Wall mounted type

Model name				ASYG07KGTB	ASYG09KGTB	ASYG12KGTB	ASYG14KGTB				
Power supply				1Ø 230 V ~50 Hz							
Available voltage range				198–264 V							
Capacity		kW class	2.0	2.5	3.5	4.0					
Input power		W	23	27	27	33					
Running current		A	0.20	0.24	0.24	0.29					
Fan	Airflow rate	Cooling	HIGH	650	700	700	770				
			MED	540	560	560	600				
			LOW	430	430	430	450				
			QUIET	270	270	270	280				
		Heating	HIGH	720	750	770	800				
			MED	580	610	640	660				
			LOW	460	470	520	520				
			QUIET	330	330	330	340				
	Type × Q'ty			Crossflow fan × 1							
Motor output		W	30		49						
Sound pressure level *1	Cooling	HIGH	38	40	40	43					
			33	34	35	36					
			29	29	30	30					
			21	21	21	21					
		Heating	HIGH	41	42	42	44				
			MED	35	36	38	39				
			LOW	31	31	33	33				
			QUIET	22	22	22	24				
			Cooling	54	55	56	57				
			Heating	56	57	58	59				
Heat exchanger type	Dimensions (H × W × D)		mm	Main1: 210 × 670 × 26.6 Main2: 112 × 670 × 20.0		Main1: 210 × 670 × 26.6, Main2: 112 × 670 × 20.0 Sub: 84 × 670 × 13.3					
	Fin pitch		mm	Main1: 1.2, Main2: 1.1		Main1: 1.2, Main2: 1.1, Sub: 1.4					
	Rows × Stages			Main1: 2 × 10, Main2: 2 × 7		Main1: 2 × 10, Main2: 2 × 7, 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 × 834 × 215							
	Gross			270 × 914 × 332							
Weight	Net		kg	10.0							
	Gross			12.5		13.0					
Connection pipe	Size	Liquid	mm (in)	Ø6.35 (Ø1/4)							
		Gas		Ø9.52 (Ø3/8)							
Method				Flare							
Drain hose	Material			PP + HDPE							
	Size		mm	Ø11.8 (I.D.), Ø15.0 to Ø16.7 (O.D.)							
Operation range	Cooling		°C	18 to 32							
	Heating		%RH	80 or less							
				16 to 30							
Remote controller type				Wireless (Option: Wired, Mobile app*2 [FGLair™])							

NOTES:

- The protective function might work when using it outside the operation range.
- *1: Sound pressure level:
 - These are the measured values in the 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: Available on Google Play™ store or on App Store®. Optional WLAN adapter is also required. For details, refer to the setting manual.

Model name				ASYG07KMTB	ASYG09KMTB	ASYG12KMTB	ASYG14KMTB				
Power supply				10 230 V ~50 Hz							
Available voltage range				198—264 V							
Capacity		kW class	2.0	2.5	3.5	4.0					
Input power		W	23	27	27	33					
Running current		A	0.20	0.24	0.24	0.30					
Fan	Airflow rate	Cooling	HIGH	m³/h	650	700	770				
			MED		540	560	600				
			LOW		430	430	450				
			QUIET		270	270	280				
	Heating	HIGH	HIGH		720	750	800				
			MED		580	610	660				
			LOW		460	470	520				
			QUIET		330	330	340				
Type × Q'ty				Crossflow fan × 1							
Motor output				W							
Sound pressure level *1	Cooling	HIGH	HIGH	dB (A)	38	40	43				
			MED		33	34	36				
			LOW		29	29	30				
			QUIET		21	21	21				
	Heating	HIGH	HIGH		41	42	44				
			MED		35	36	39				
			LOW		31	31	33				
			QUIET		22	22	24				
		Cooling			55	55	57				
Sound power level					56	57	59				
Heat exchanger type	Dimensions (H × W × D)			mm							
				Main1: 210 × 670 × 26.6 Main2: 112 × 670 × 20.0							
	Fin pitch			mm							
				Main1: 1.2, Main2: 1.1							
	Rows × Stages			Main1: 2 × 10, Main2: 2 × 7							
	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 × 834 × 222							
	Gross			277 × 914 × 332							
Weight	Net		kg	10.0							
	Gross			12.5							
Connection pipe	Size	Liquid	mm (in)	Ø6.35 (Ø1/4)							
		Gas		Ø9.52 (Ø3/8)							
Method				Flare							
Drain hose				PP + HDPE							
Operation range	Size		mm	Ø13.8 (I.D.), Ø15.8 to Ø16.7 (O.D.)							
	Cooling			18 to 32 °C							
	Heating			80 or less %RH							
Remote controller type				16 to 30 °C							
				Wireless (Option: Wired, Mobile app*2 [FGLair™])							

NOTES:

- The protective function might work when using it outside the operation range.
- *1: Sound pressure level:
 - These are the measured values in the 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: Available on Google Play™ store or on App Store®. Optional WLAN adapter is also required. For details, refer to the setting manual.

Model name				ASYG07KMCC	ASYG09KMCC	ASYG12KMCC	ASYG14KMCC			
Power supply				10 230 V ~50 Hz						
Available voltage range				198—264 V						
Capacity		kW class	2.0	2.5	3.5	4.0				
Input power		W	23	27	27	33				
Running current		A	0.20	0.24	0.24	0.30				
Fan	Airflow rate	Cooling	HIGH	m³/h	650	700	770			
			MED		540	560	600			
			LOW		430	430	450			
			QUIET		320	320	310			
		Heating	HIGH		720	750	820			
			MED		580	610	660			
			LOW		460	470	520			
			QUIET		330	330	340			
Type × Q'ty				Crossflow fan × 1						
Motor output				W	30	30	49			
Sound pressure level *1	Cooling	HIGH	HIGH	dB (A)	38	40	43			
			MED		33	34	36			
			LOW		29	29	30			
			QUIET		21	21	21			
		Heating	HIGH		41	42	44			
			MED		35	36	39			
			LOW		31	31	33			
			QUIET		22	22	24			
Heat exchanger type	Dimensions (H × W × D)			mm	Main1: 210 × 670 × 26.6 Main2: 112 × 670 × 20		Main1: 210 × 670 × 26.6			
	Fin pitch				Main1: 1.2, Main2: 1.1		Main2: 112 × 670 × 20 Sub: 84 × 670 × 13.3			
	Rows × Stages			Main1: 2 × 10, Main2: 2 × 7		Main1: 1.2, Main2: 1.1, Sub: 1.4				
	Pipe type			Copper tube						
	Fin type			Aluminum						
	Material			Polystyrene						
	Color			White + Pearl white (painted) Approximate color of Munsell N 9.25/						
	Dimensions (H × W × D)	Net	mm	270 × 834 × 222		Main1: 210 × 670 × 26.6				
		Gross		277 × 914 × 332		Main2: 112 × 670 × 20 Sub: 84 × 670 × 13.3				
Weight	Net	kg	10.0							
	Gross		12.5		13.0					
Connection pipe	Size	Liquid	mm (in)	Ø 6.35 (Ø 1/4)		Main1: 210 × 670 × 26.6				
		Gas		Ø 9.52 (Ø 3/8)		Main2: 112 × 670 × 20 Sub: 84 × 670 × 13.3				
Drain hose	Method			Flare						
	Material			PP+HDPE						
	Tip diameter		mm	Ø 11.8 (I.D.), Ø 15.0 to Ø 16.8 (O.D.)		Main1: 210 × 670 × 26.6				
Operation range	Cooling		°C	18 to 32		Main2: 112 × 670 × 20 Sub: 84 × 670 × 13.3				
			%RH	80 or less		Main1: 210 × 670 × 26.6				
Heating				16 to 30		Main2: 112 × 670 × 20 Sub: 84 × 670 × 13.3				
Remote controller type				Wireless (Wired, Mobile app*2 [FGLair™] [option])						

NOTES:

- The protective function might work when using it outside the operation range.
- *1: Sound pressure level:
 - These are the measured values in the 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: Available on Google Play™ store or on App Store®. Optional WLAN adapter is also required. For details, refer to the setting manual.

Model name				ASYG07KETA ASYG07KETA-B	ASYG09KETA ASYG09KETA-B	ASYG12KETA ASYG12KETA-B	ASYG14KETA ASYG14KETA-B				
Power supply				10 230 V ~50 Hz							
Available voltage range				198–264 V							
Capacity		kW class		2.0	2.5	3.5	4.0				
Input power		W		23	27	27	33				
Running current		A		0.20	0.24	0.24	0.30				
Fan	Airflow rate	Cooling	HIGH	m³/h	650	700	700				
			MED		540	560	560				
			LOW		430	430	430				
			QUIET		270	270	270				
		Heating	HIGH		720	750	770				
			MED		580	610	640				
			LOW		460	470	520				
			QUIET		330	330	340				
Type × Q'ty				Crossflow fan × 1							
Motor output		W		30		49					
Sound pressure level *1	Cooling	HIGH		dB (A)	38	40	40				
			MED		33	34	35				
			LOW		29	29	30				
			QUIET		21	21	21				
		Heating	HIGH		41	42	42				
			MED		35	36	38				
			LOW		31	31	33				
			QUIET		22	22	24				
Sound power level		Cooling		55		55					
		Heating		56		57					
Heat exchanger type	Dimensions (H × W × D)		mm	Main1: 210 × 670 × 26.6 Main2: 112 × 670 × 20.0 Sub: 84 × 670 × 13.3							
	Fin pitch		mm	Main1: 1.2, Main2: 1.1							
	Rows × Stages			Main1: 2 × 10, Main2: 2 × 7							
	Pipe type			Copper tube							
	Fin type			Aluminum							
Enclosure	Material			Polystyrene							
	Color			KETA; White + Pearl white (painted) Approximate color of Munsell N 9.25/							
				KETA-B; Dark Gray + Silver (painted) Approximate color of Munsell 0.5P 3.5/0.2							
Dimensions (H × W × D)	Net		mm	295 × 950 × 230							
	Gross			284 × 1,027 × 357							
Weight	Net		kg	11.0		11.5					
	Gross			14.5		15.0					
Connection pipe	Size	Liquid	mm (in)	Ø 6.35 (Ø 1/4)							
		Gas		Ø 9.52 (Ø 3/8)							
Method				Flare							
Drain hose				PP + HDPE							
Operation range	Size		mm	Ø 13.8 (I.D.), Ø 15.0 to Ø 16.8 (O.D.)							
	Cooling		°C	18 to 32							
			%RH	80 or less							
Heating				16 to 30							
Remote controller type				Wireless (Option: Wired, Mobile app*2 [FGLair™])							

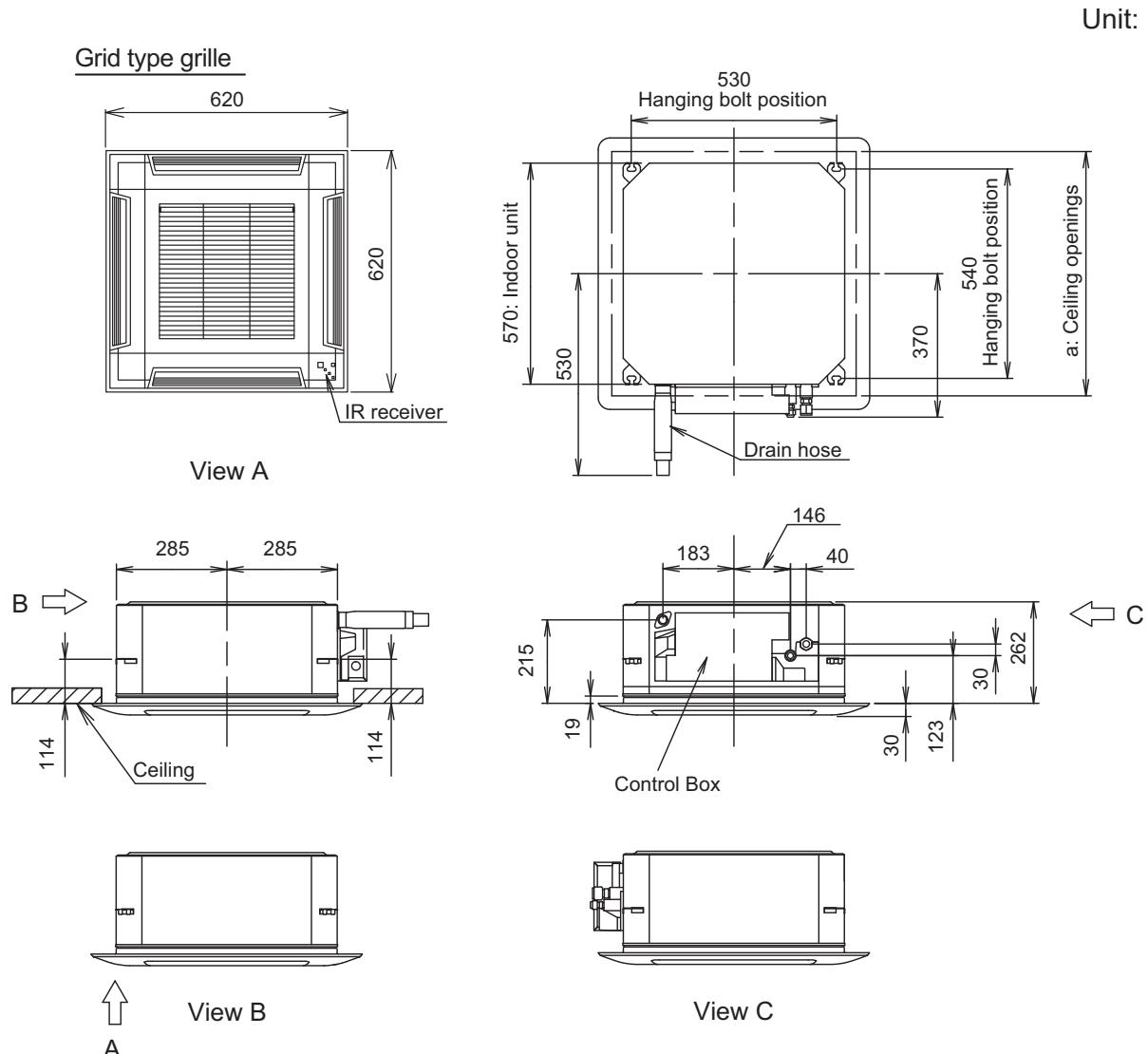
NOTES:

- The protective function might work when using it outside the operation range.
- *1: Sound pressure level:
– These are the measured values in the 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: Available on Google Play™ store or on App Store®. Optional WLAN adapter is also required. For details, refer to the setting manual.

3. Dimensions

3-1. Compact cassette type

■ Models: AUXG07KVLA, AUXG09KVLA, AUXG12KVLA, and AUXG14KVLA

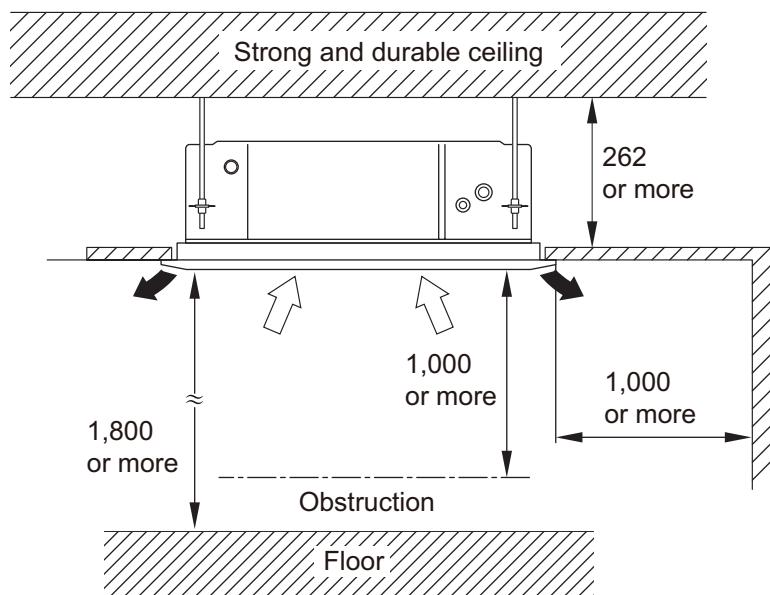


a: Ceiling openings

Cassette grille (Option [Grid type])	mm	580 to 610
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● Installation space requirement

Unit: mm

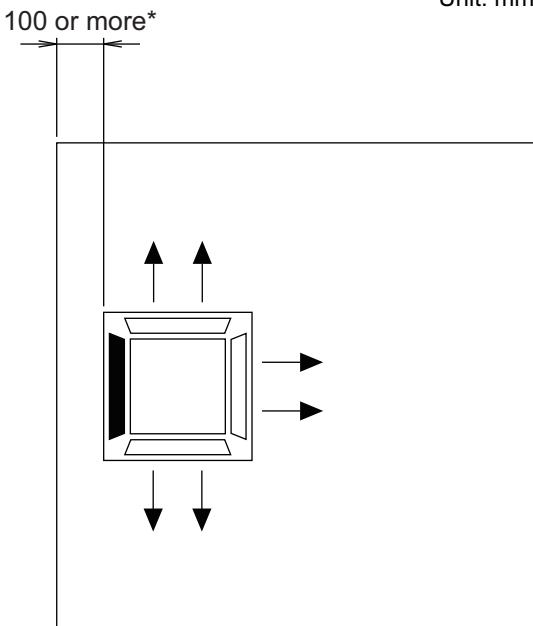


Maximum height from floor to ceiling (Unit: mm)

	07 and 09 models	12 and 14 models
Standard		2,700
High ceiling	—	3,000

3-way direction setting:

Unit: mm



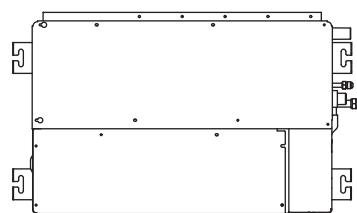
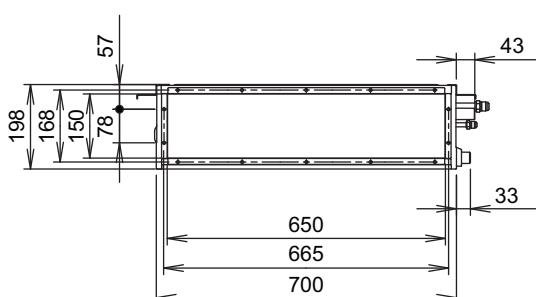
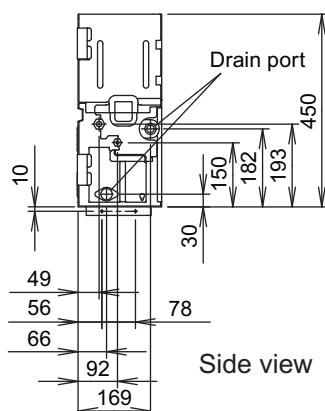
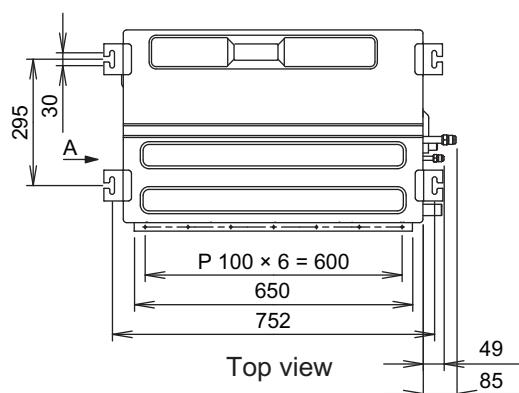
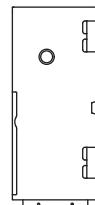
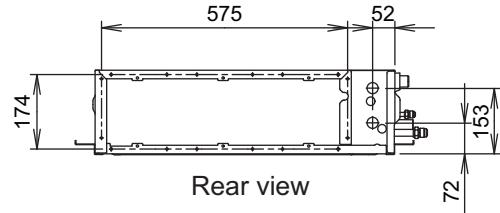
NOTES:

- To set “3-direction”, optional Air outlet shutter plate (UTR-YDZB) must be installed, and the “outlet-direction” need to be switched to “3-way” by remote controller.
- *When installing the indoor unit, be careful about the maintenance space.
- In 3-way outlet mode, changing of ceiling height setting by function setting 20 is prohibited. (Ceiling height setting [function setting 20] is allowed to be changed only in 4-way outlet mode.)

3-2. Mini duct type

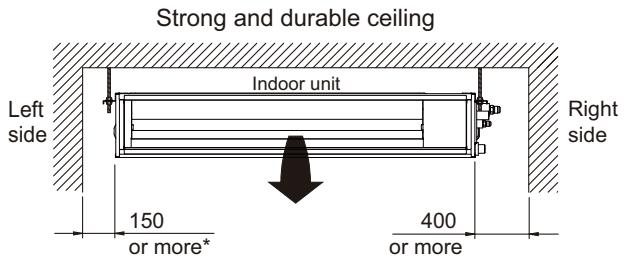
■ Models: ARXG07KSLAP, ARXG09KSLAP, ARXG12KSLAP, and ARXG14KSLAP

Unit: mm



● Installation space requirement

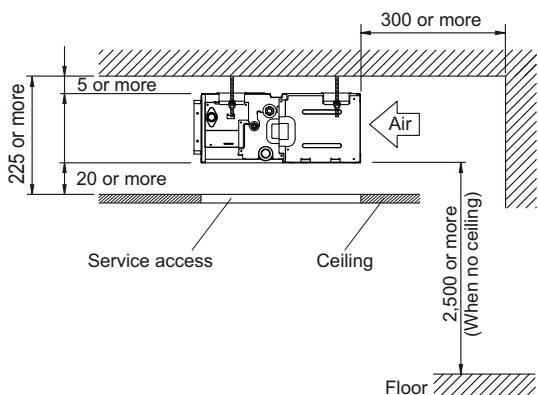
Provide sufficient installation space for product safety.



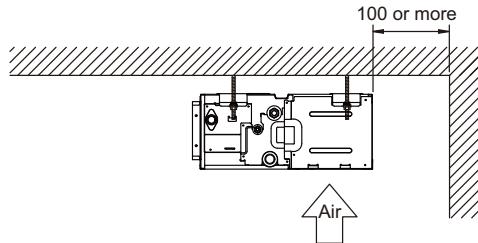
Unit: mm

*: 400 or more when drain from drain pipe

- When intaking air from back:



- When intaking air from bottom:

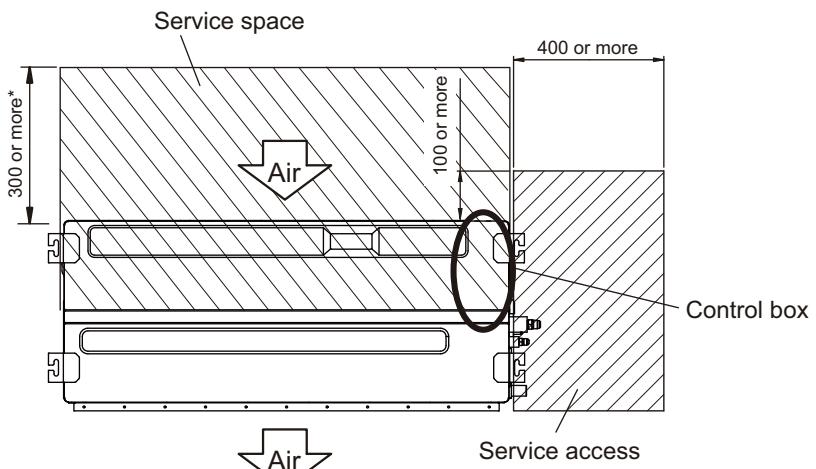


● Maintenance space requirement

For future maintenance and service access, provide sufficient maintenance space.

NOTE: Do not place any wiring or illumination in the maintenance space, as they will impede service.

Unit: mm



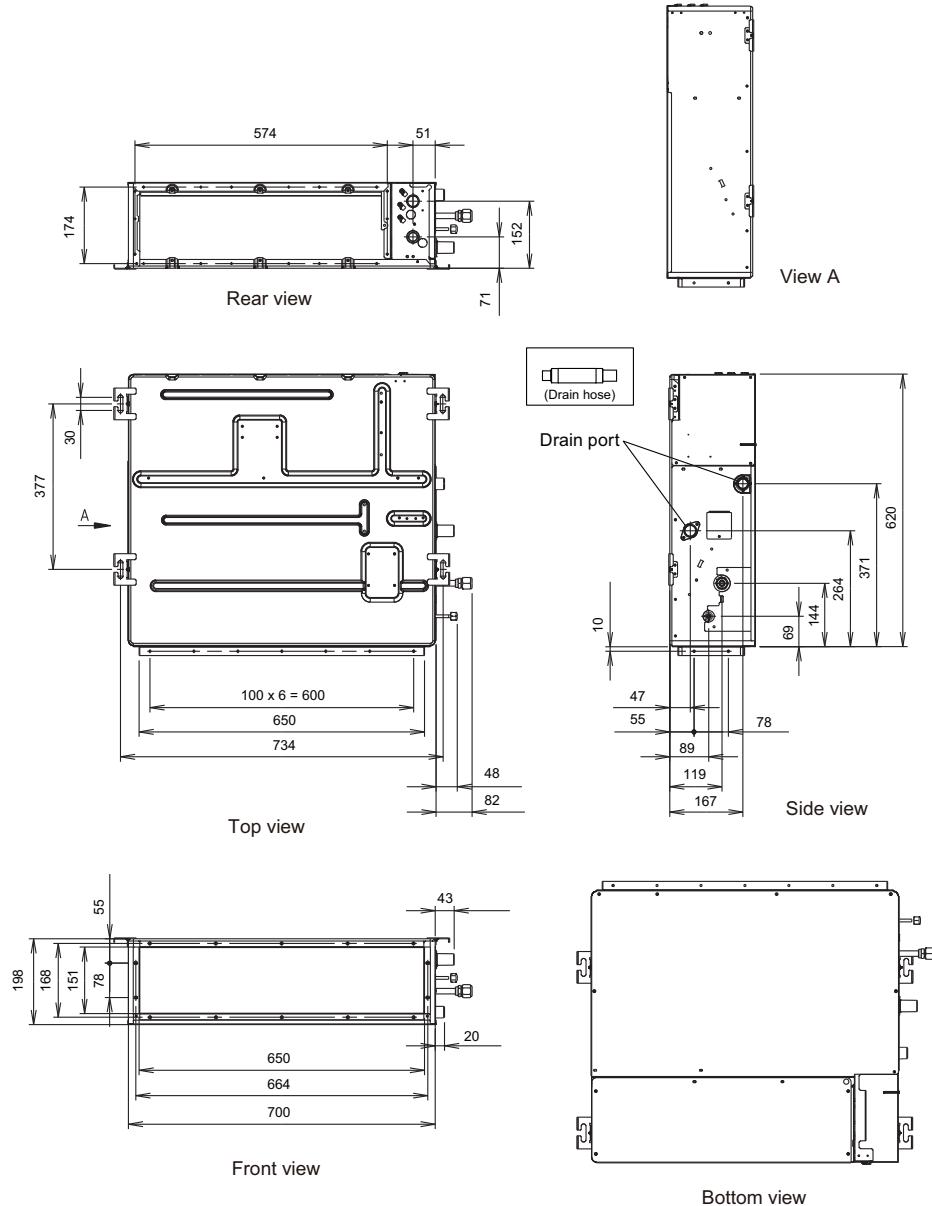
*: More than 100 when intaking air from bottom

Top view

3-3. Slim duct type

■ Models: ARXG07KLLAP, ARXG09KLLAP, ARXG12KLLAP, and ARXG14KLLAP

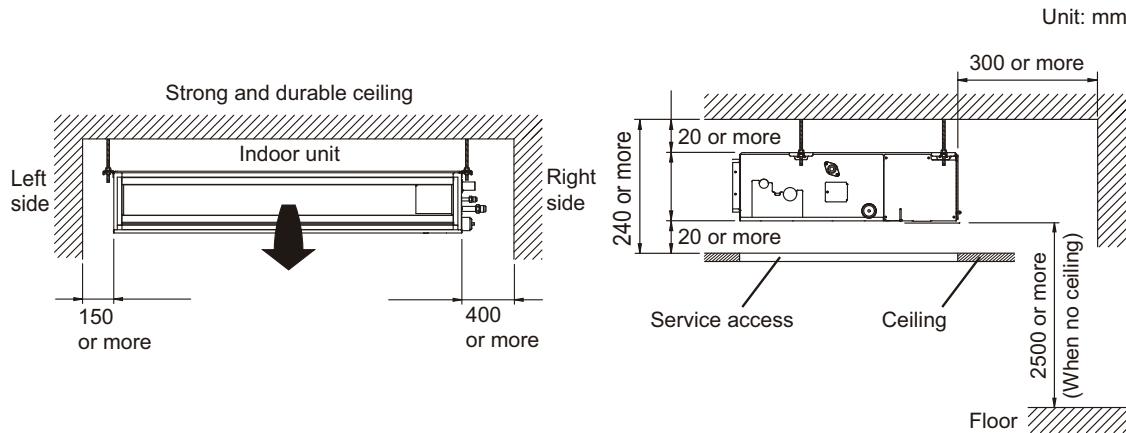
Unit: mm



● Installation space requirement

Provide sufficient installation space for product safety.

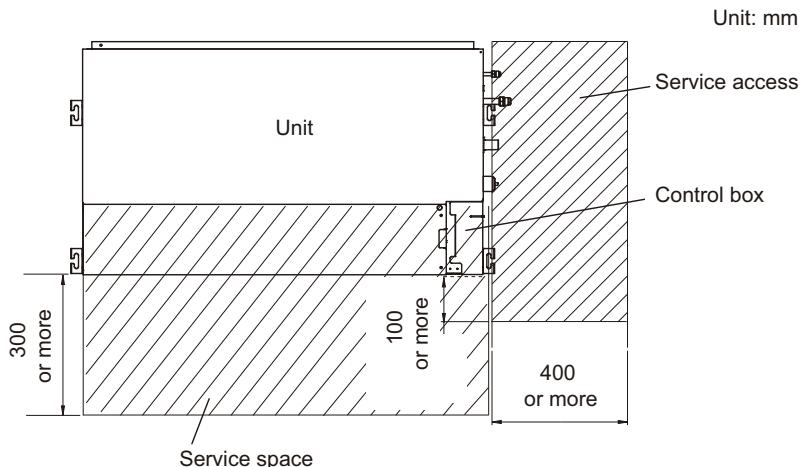
In ceiling-concealed installations:



● Maintenance space requirement

For future maintenance and service access, provide sufficient maintenance space.

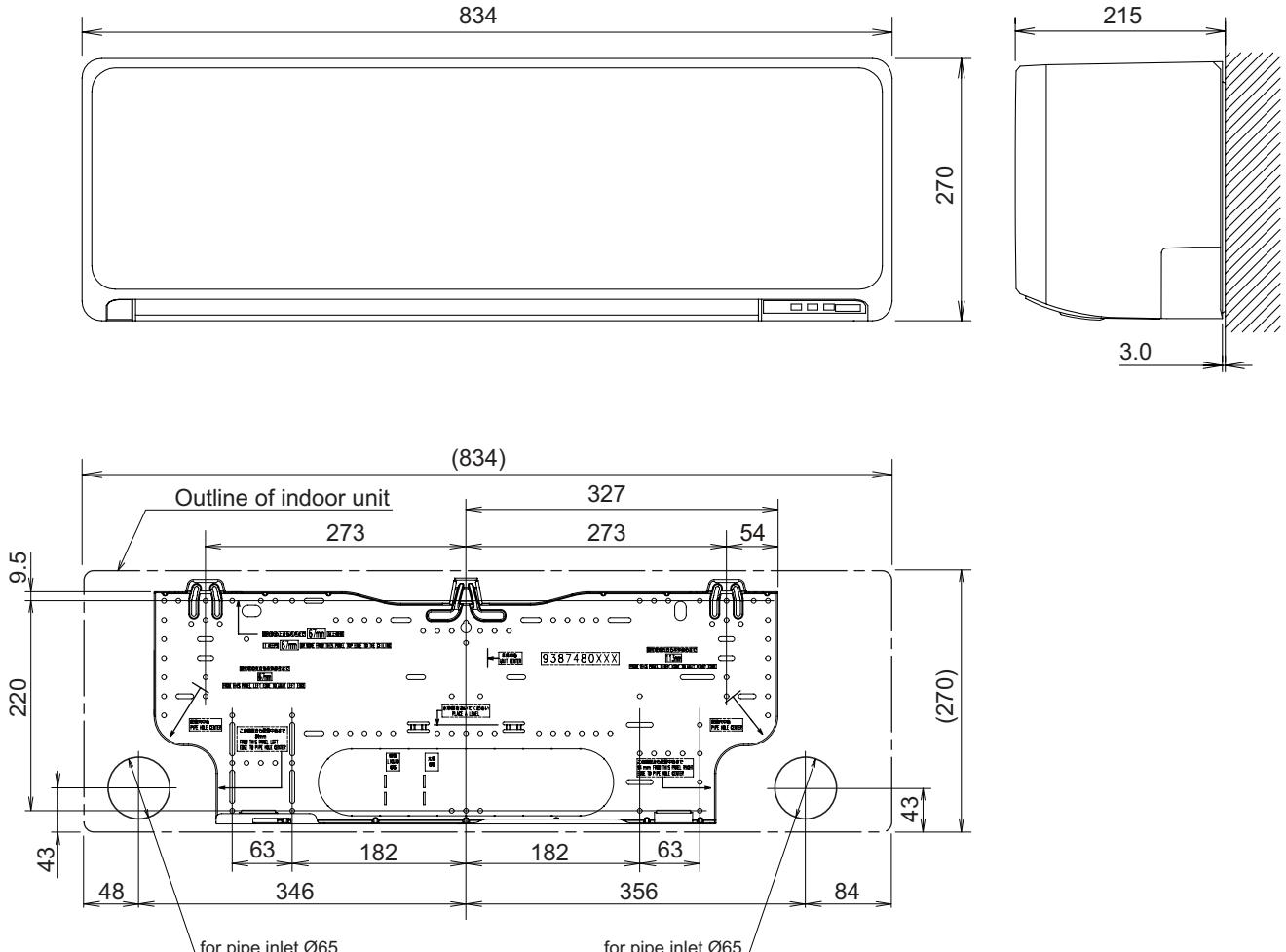
NOTE: Do not place any wiring or illumination in the maintenance space, as they will impede service.



3-4. Wall mounted type

■ Models: ASYG07KGTB, ASYG09KGTB, ASYG12KGTB, and ASYG14KGTB

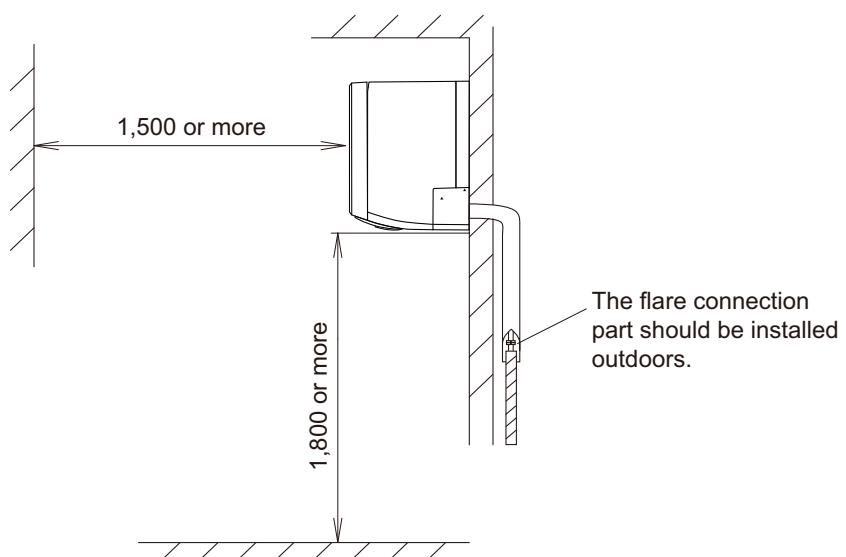
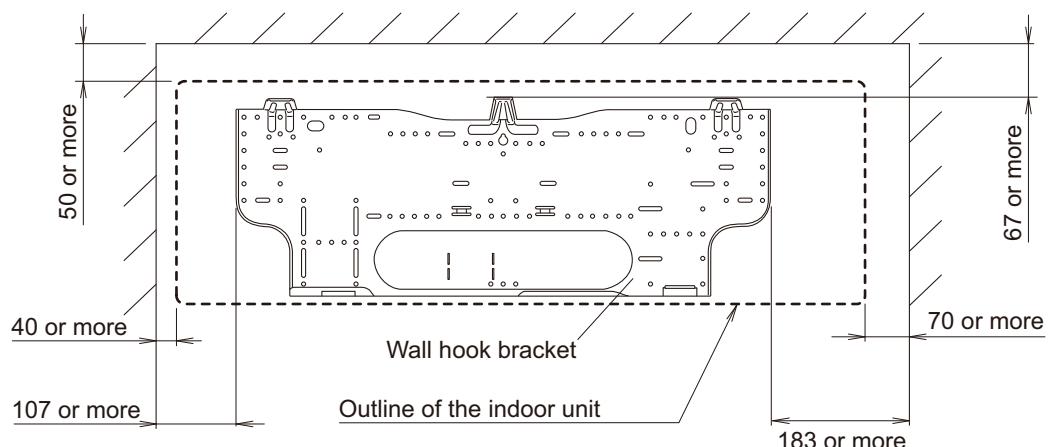
Unit: mm



● Installation space requirement

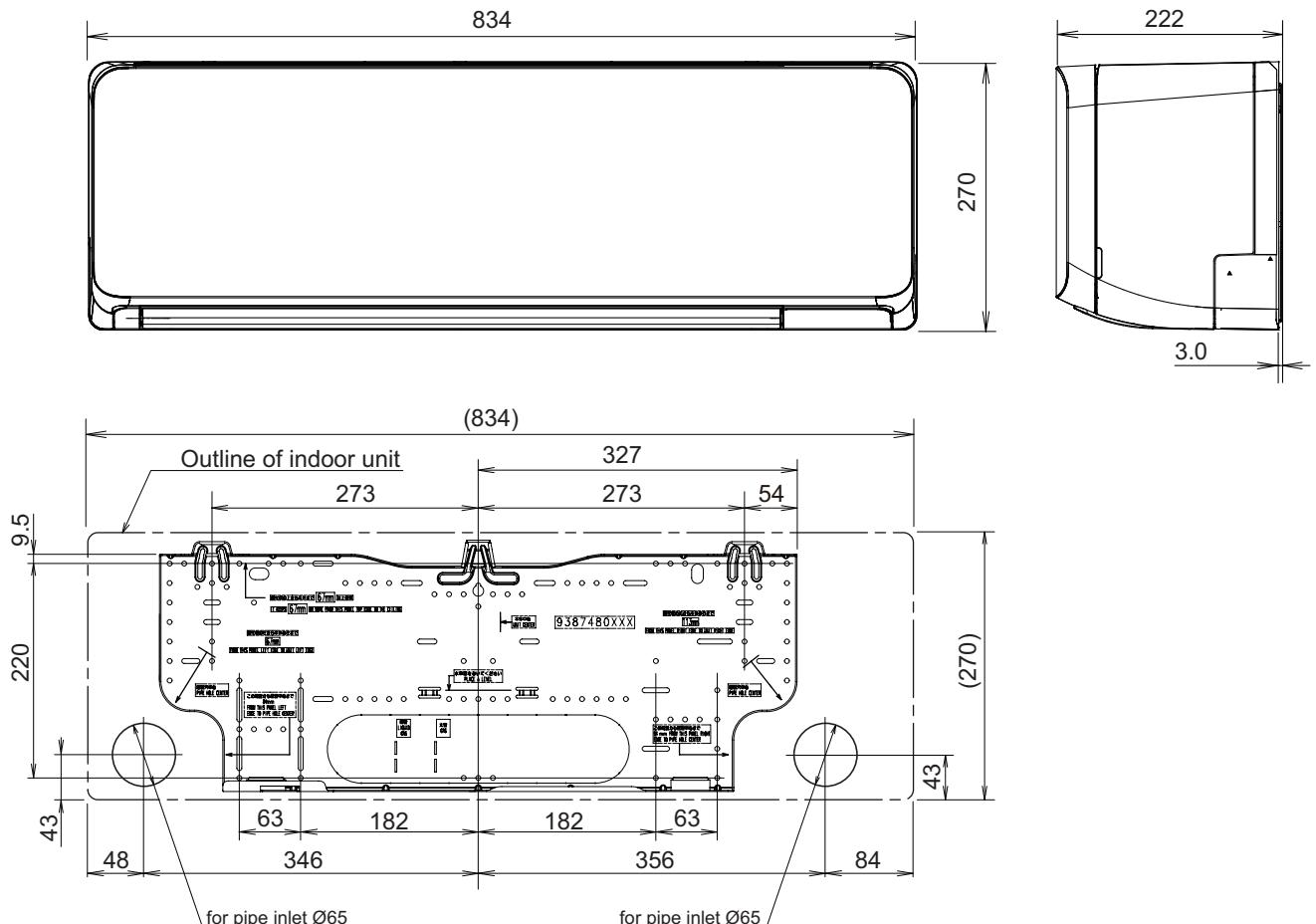
Provide sufficient installation space for product safety.

Unit: mm



**■ Models: ASYG07KMTB, ASYG09KMTB, ASYG12KMTB,
ASYG14KMTB, ASYG07KMCC, ASYG09KMCC, ASYG12KMCC,
and ASYG14KMCC**

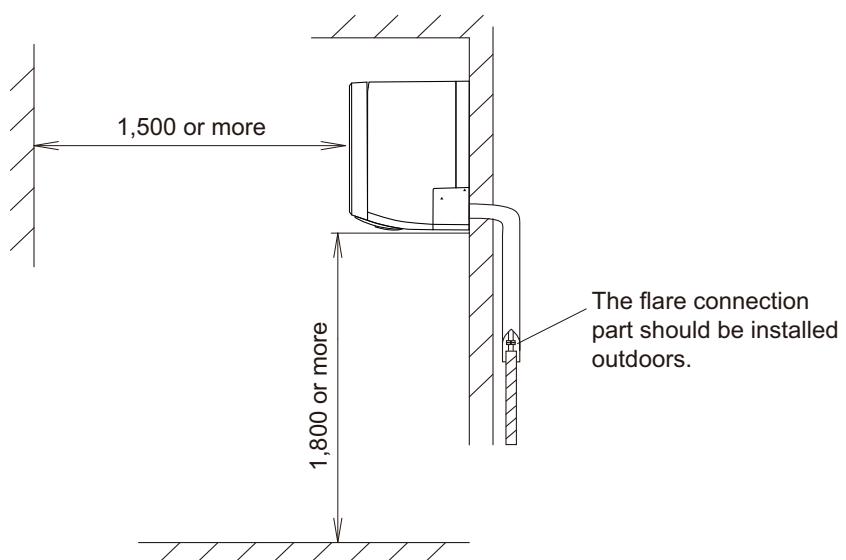
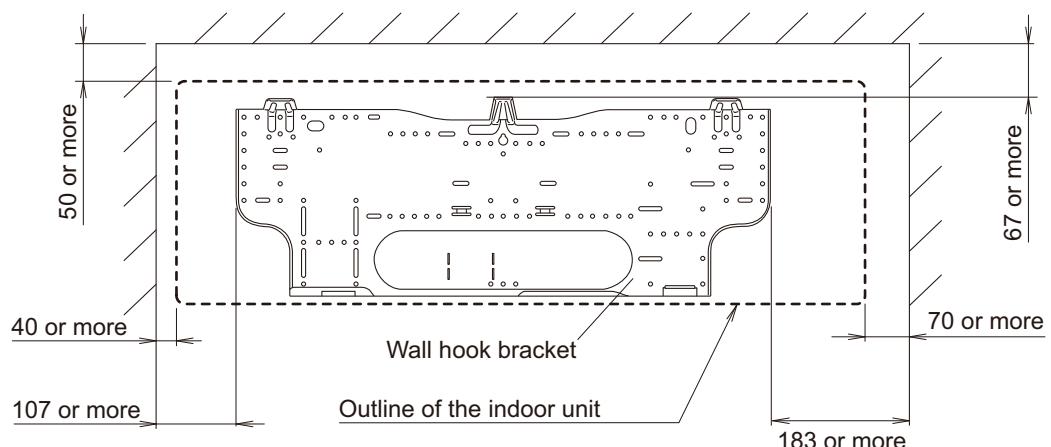
Unit: mm



● Installation space requirement

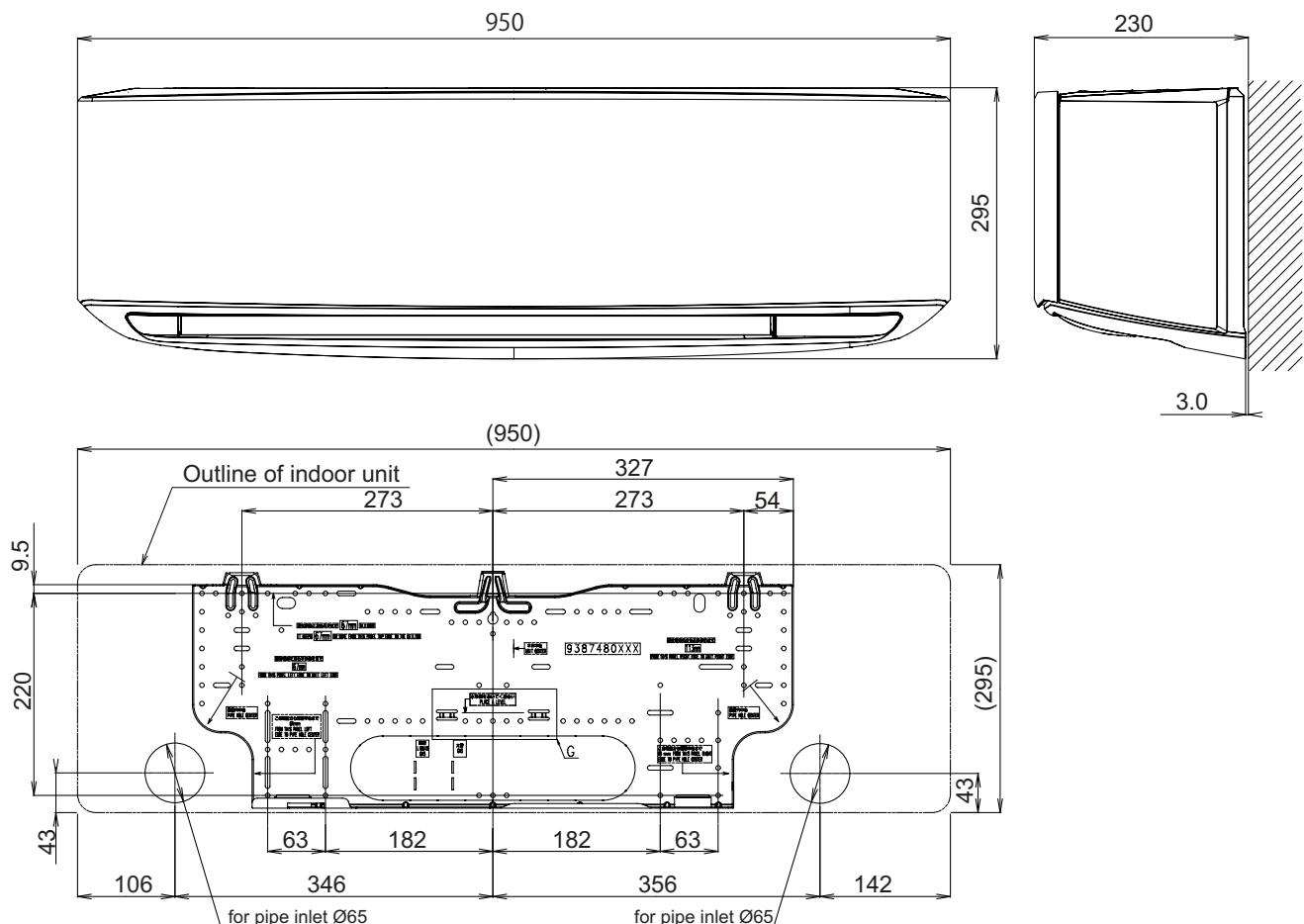
Provide sufficient installation space for product safety.

Unit: mm



- Models: ASYG07KETA, ASYG09KETA, ASYG12KETA, ASYG14KETA, ASYG07KETA-B, ASYG09KETA-B, ASYG12KETA-B, and ASYG14KETA-B

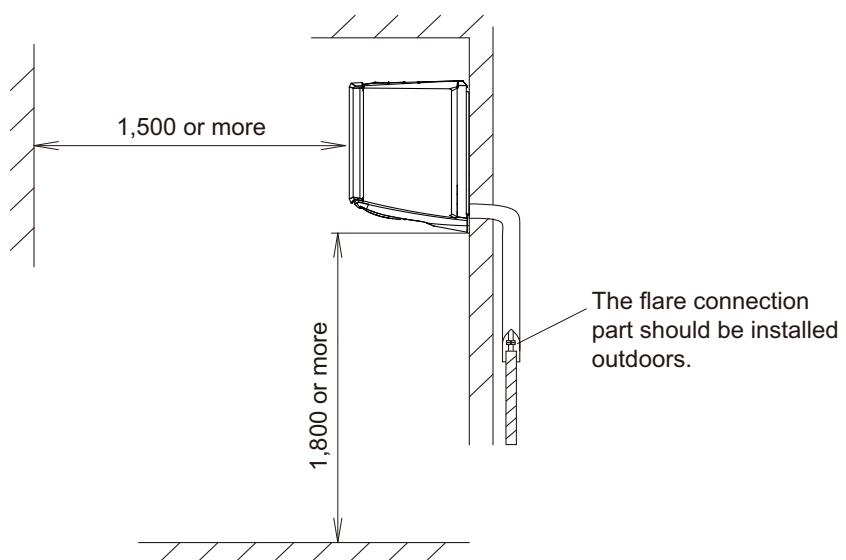
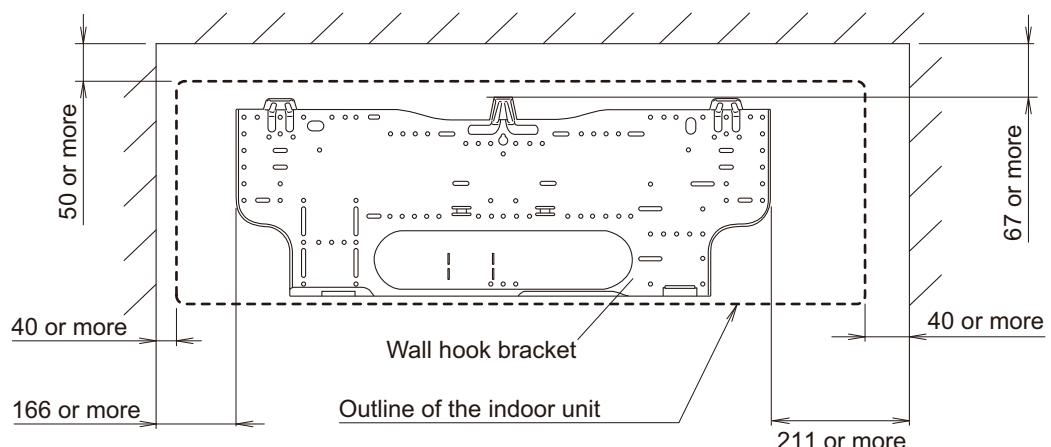
Unit: mm



● Installation space requirement

Provide sufficient installation space for product safety.

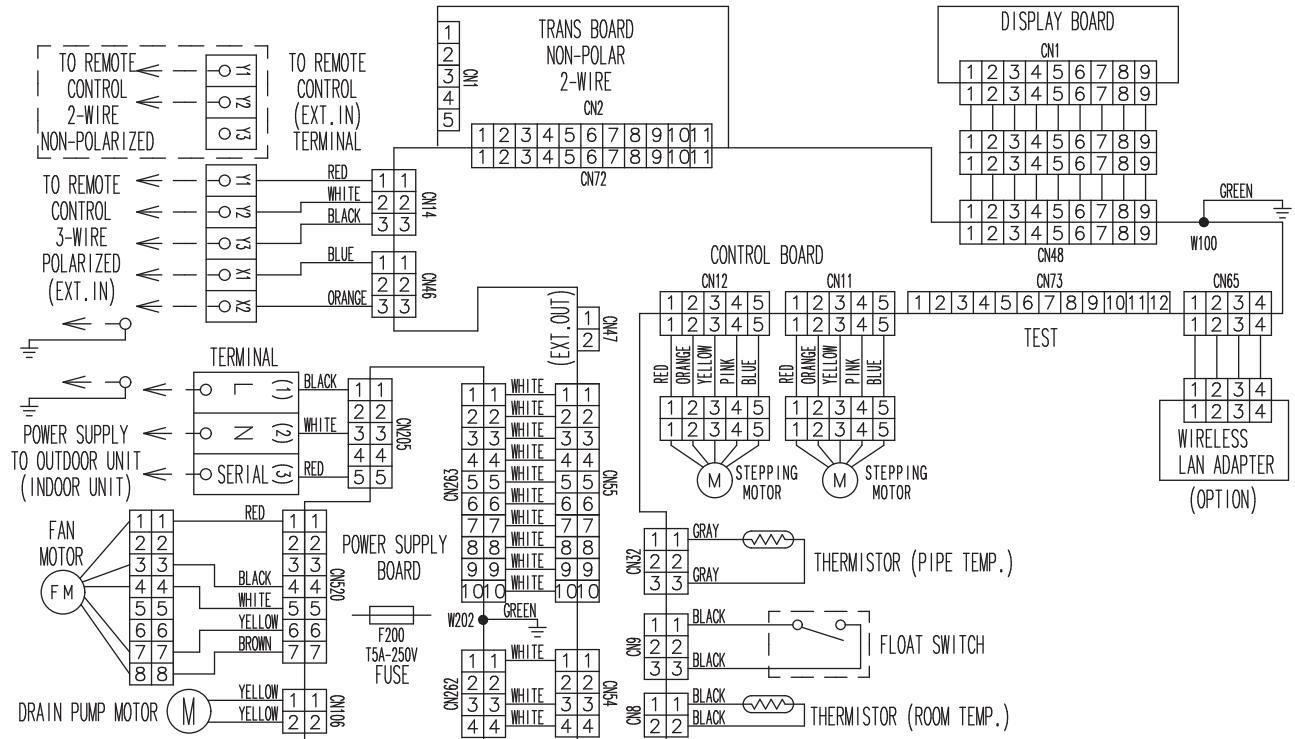
Unit: mm



4. Wiring diagrams

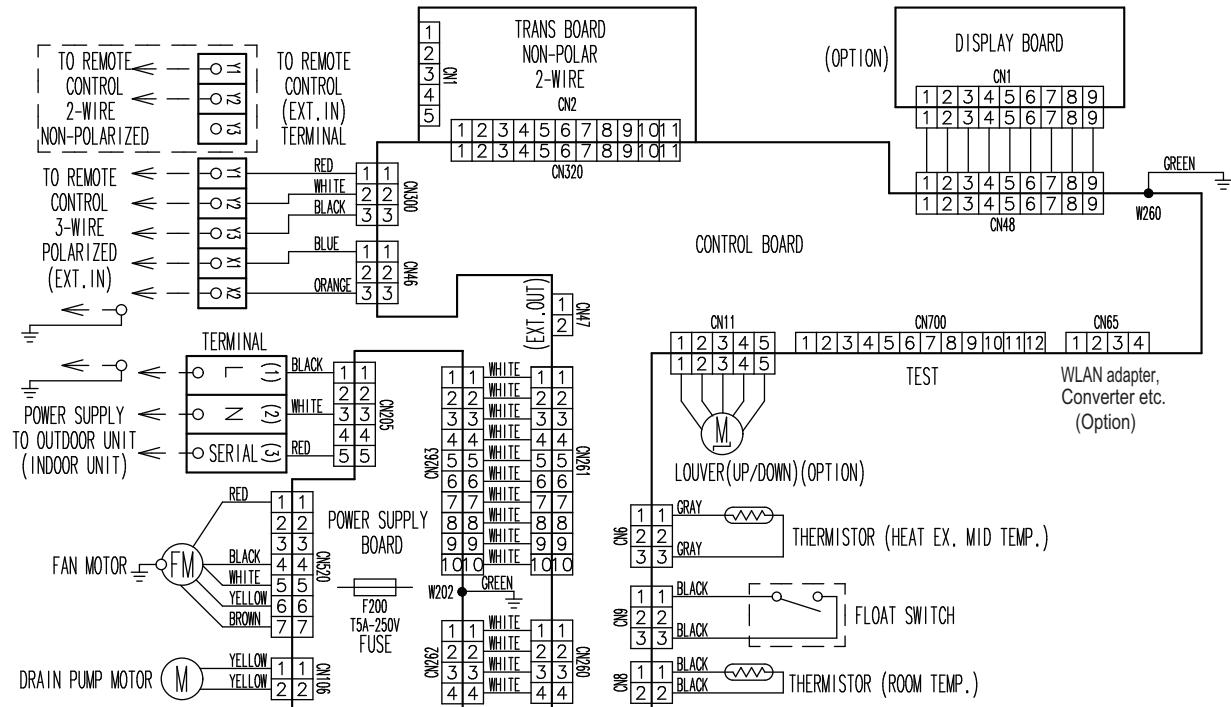
4-1. Compact cassette type

■ Models: AUXG07KVLA, AUXG09KVLA, AUXG12KVLA, and AUXG14KVLA



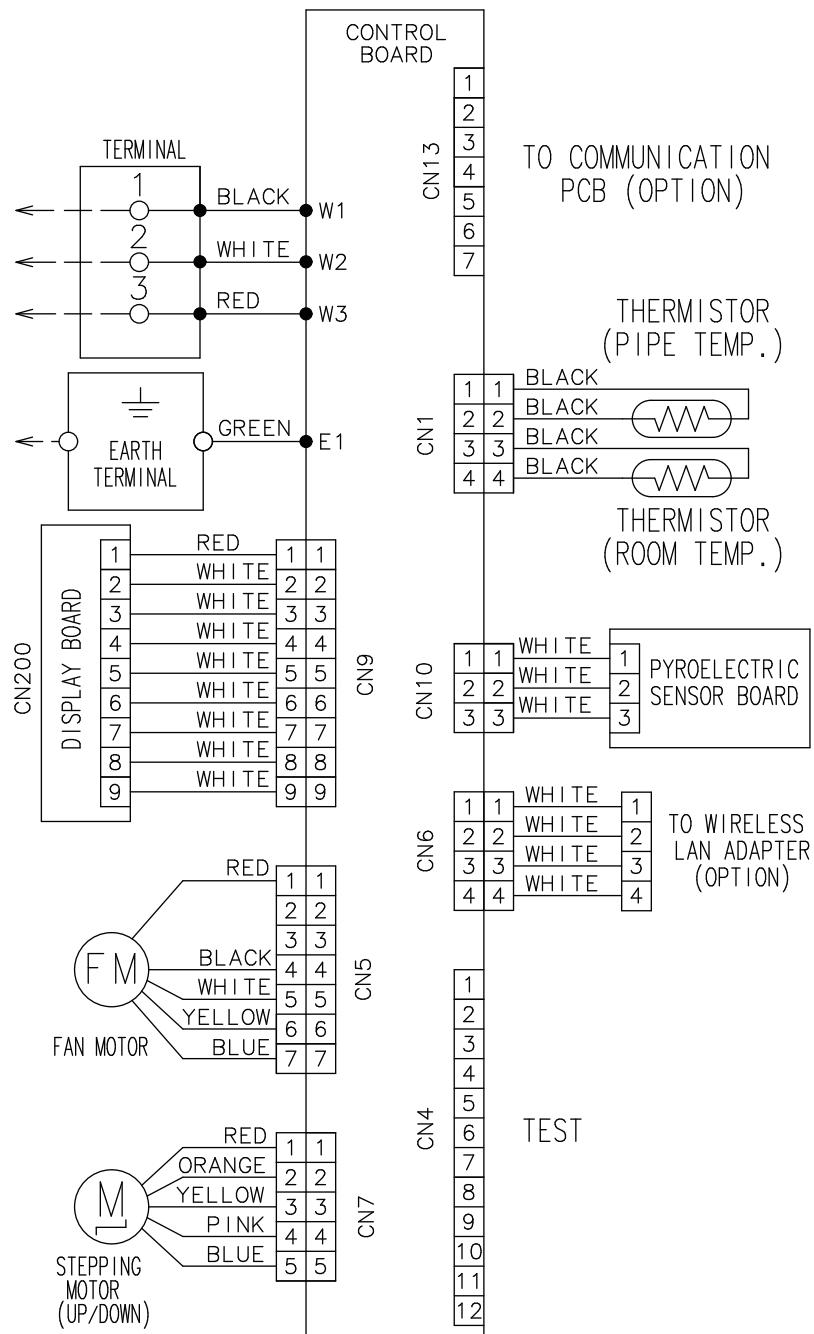
4-2. Mini duct type and Slim duct type

■ Models: ARXG07KSLAP, ARXG09KSLAP, ARXG12KSLAP, ARXG14KSLAP, ARXG07KLLAP, ARXG09KLLAP, ARXG12KLLAP, and ARXG14KLLAP

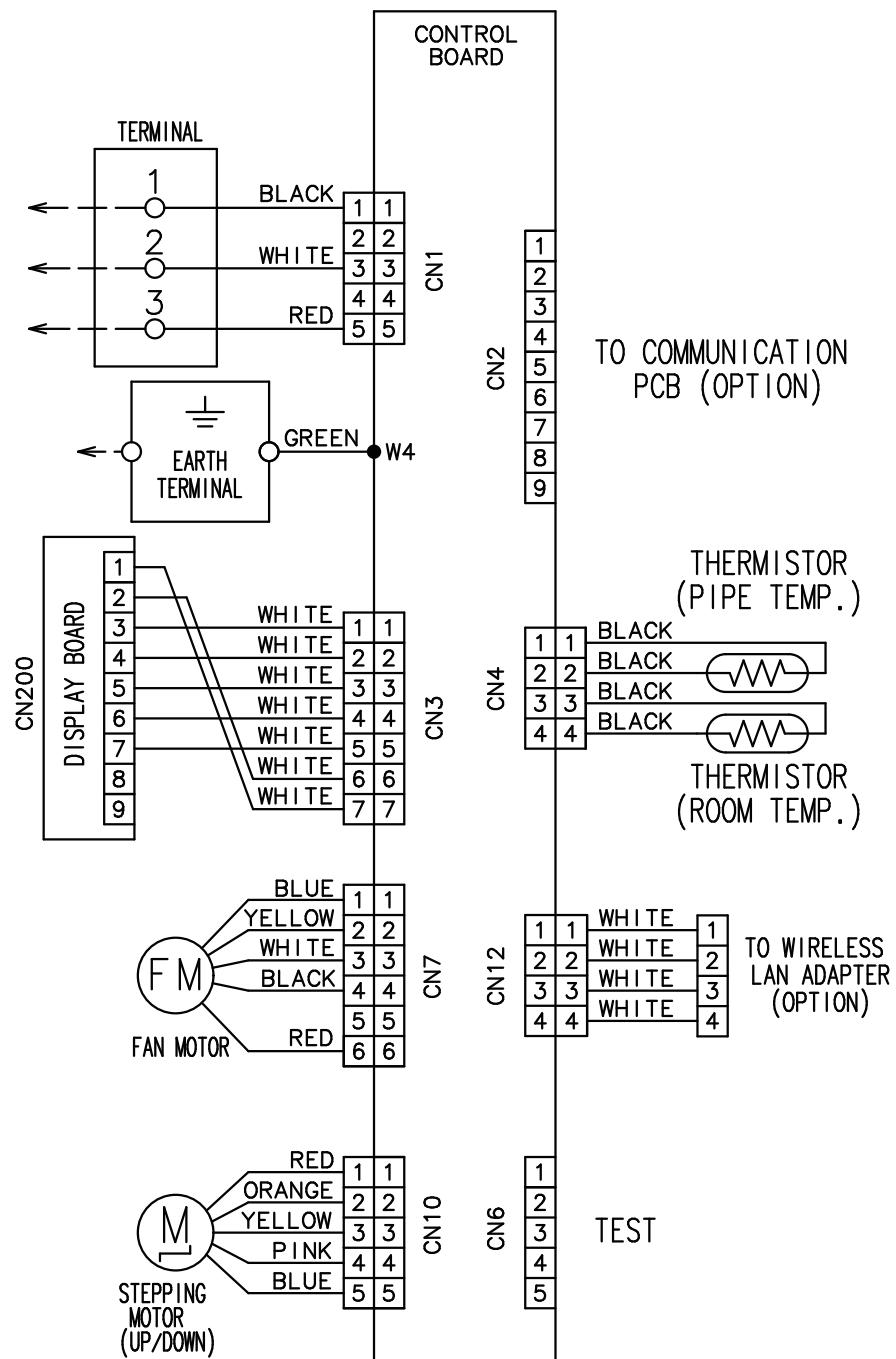


4-3. Wall mounted type

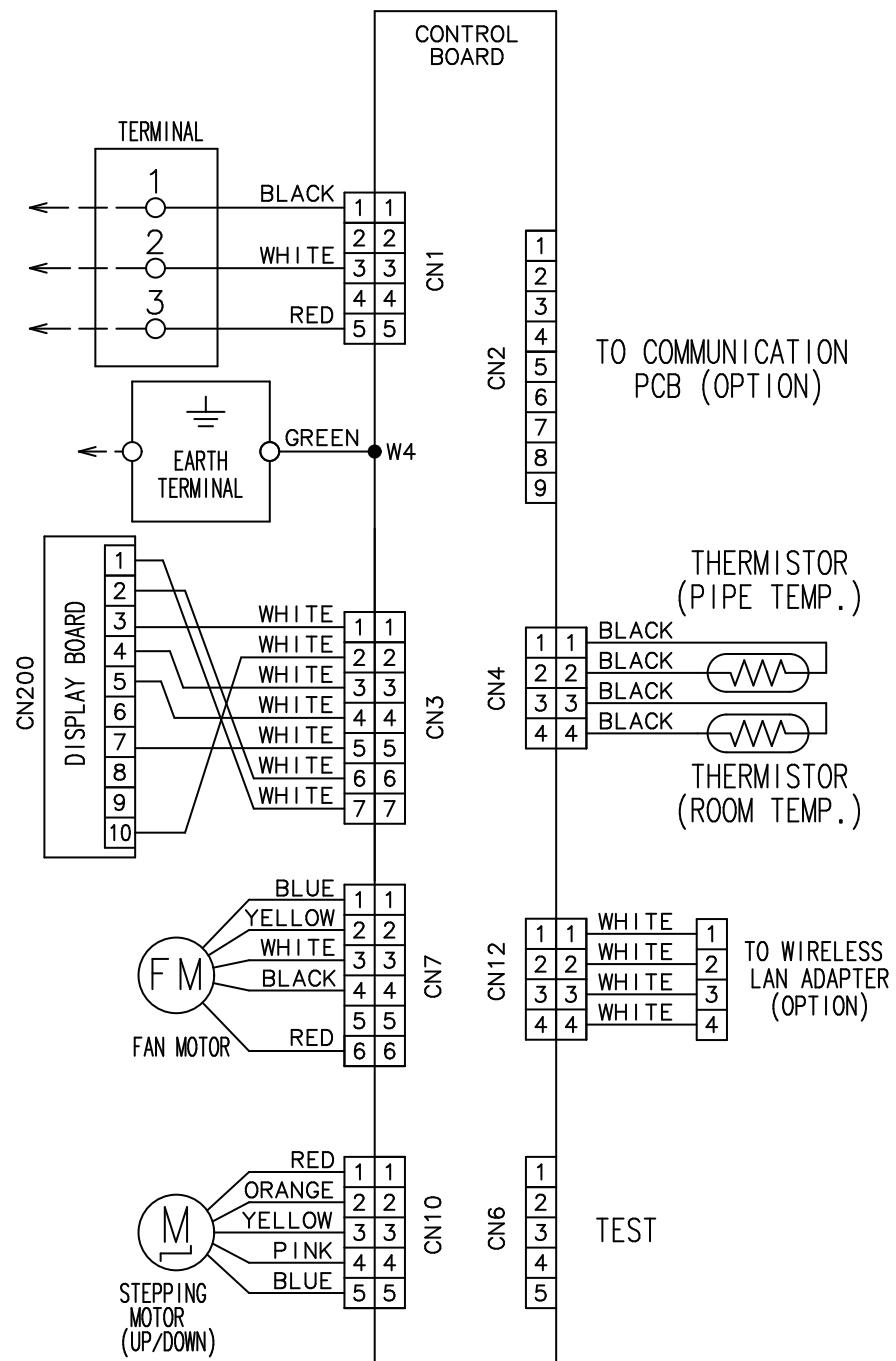
■ Models: ASYG07KGTB, ASYG09KGTB, ASYG12KGTB, and ASYG14KGTB



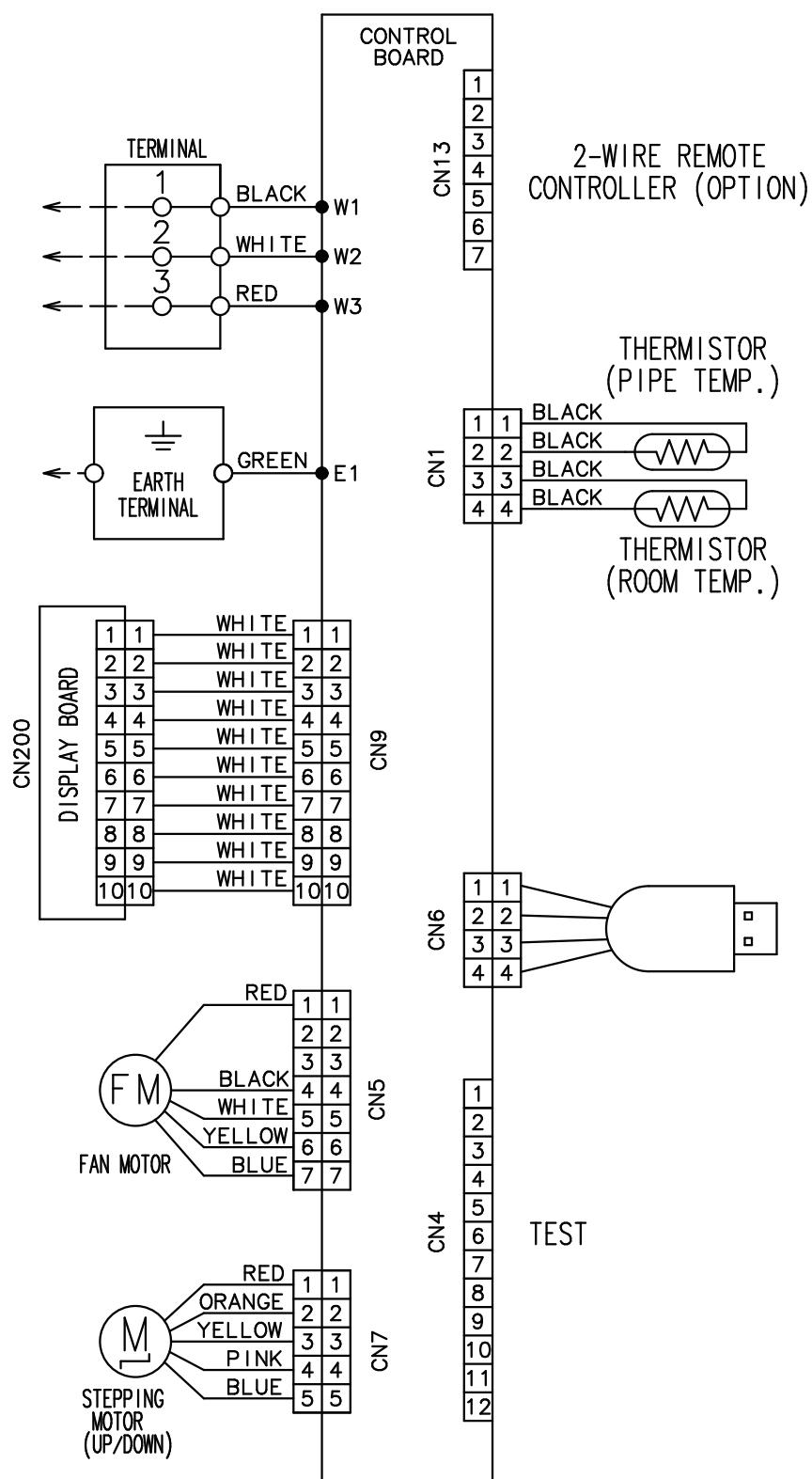
■ Models: ASYG07KMTB, ASYG09KMTB, ASYG12KMTB, and ASYG14KMTB



■ Models: ASYG07KMCC, ASYG09KMCC, ASYG12KMCC, and ASYG14KMCC



■ Models: ASYG07KETA, ASYG09KETA, ASYG12KETA,
ASYG14KETA, ASYG07KETA-B, ASYG09KETA-B,
ASYG12KETA-B, and ASYG14KETA-B



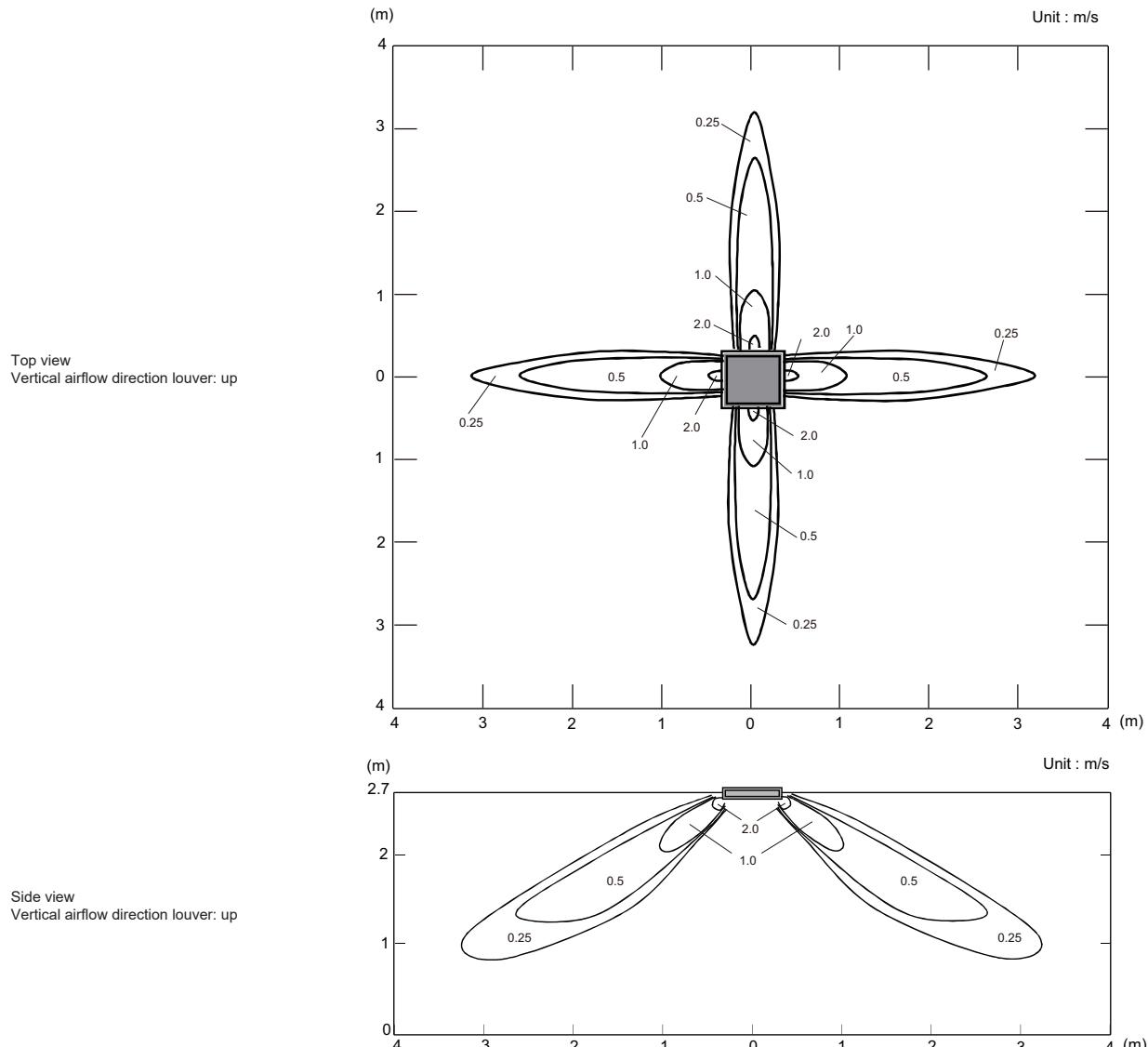
5. Air velocity and temperature distributions

5-1. Compact cassette type

■ Models: AUXG07KVLA and AUXG09KVLA

- Air velocity distribution

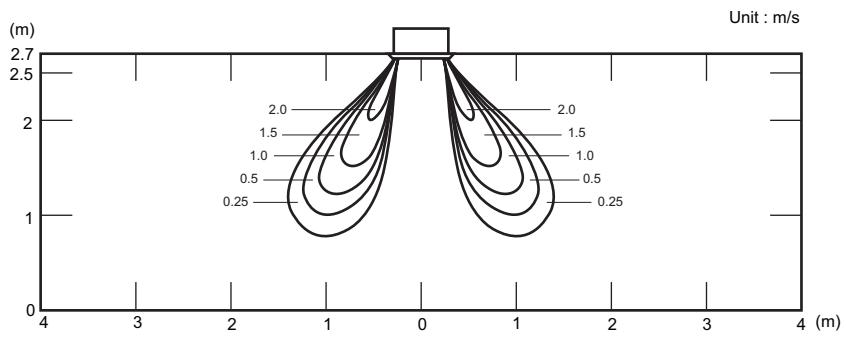
Measuring conditions	Fan speed	Operation mode
	HIGH	FAN



- Air velocity distribution

Measuring conditions NOTE: Reference data	Fan speed HIGH	Operation mode HEAT	Outlet directions 4-way air outlet
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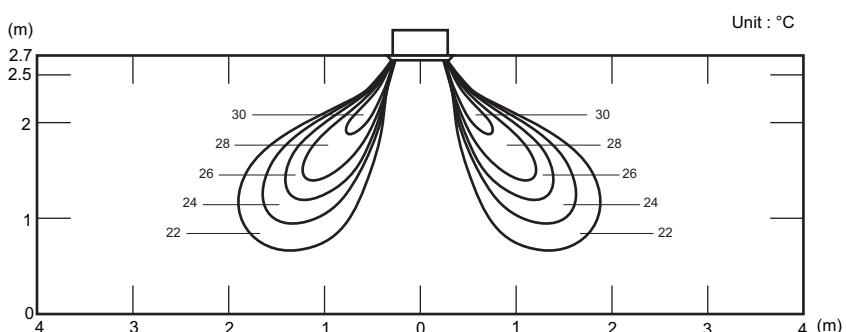
Side view
Vertical airflow direction louver: down



- Air temperature distribution

Measuring conditions NOTE: Reference data	Fan speed HIGH	Operation mode HEAT	Outlet directions 4-way air outlet
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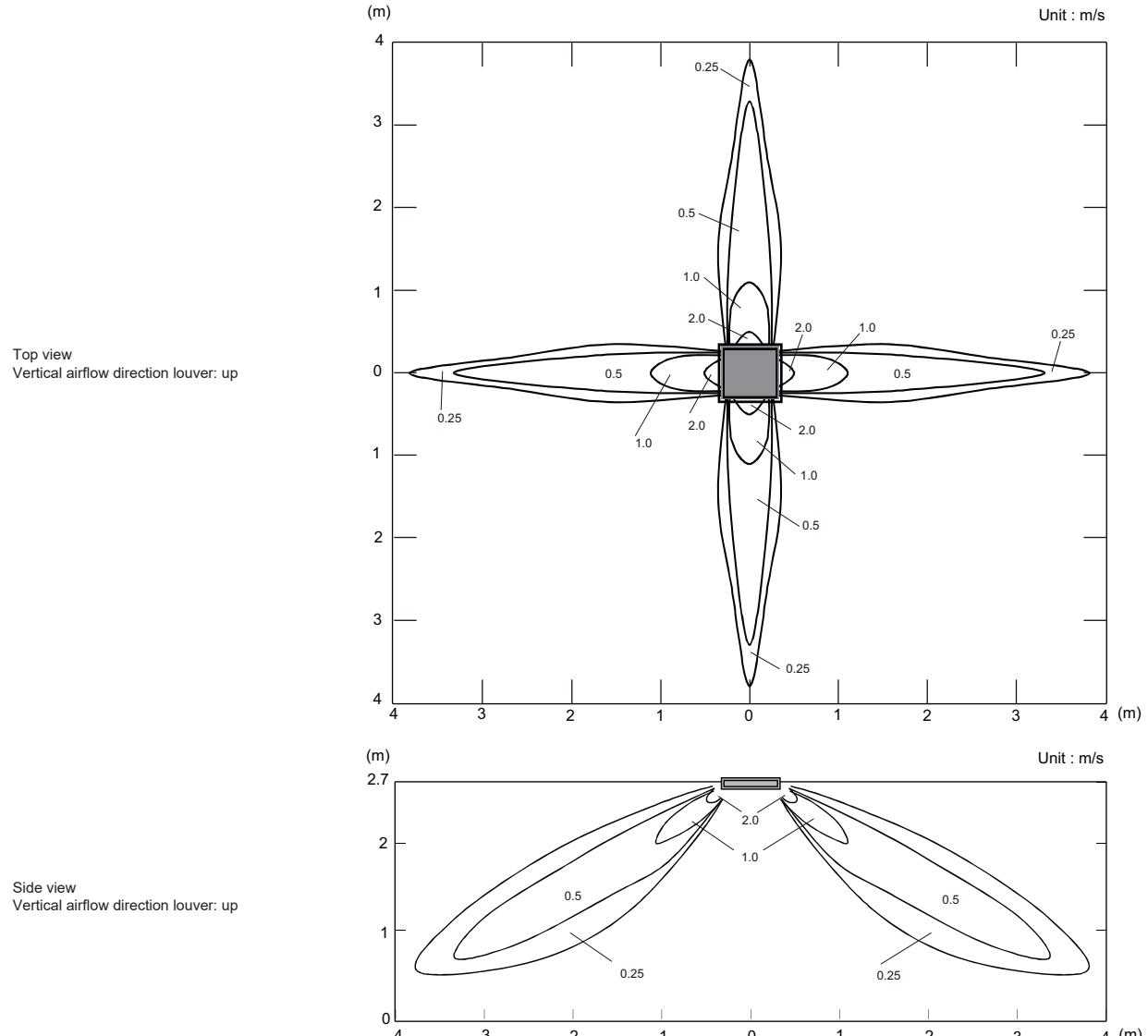
Side view
Vertical airflow direction louver: down



■ Model: AUXG12KVLA

- Air velocity distribution

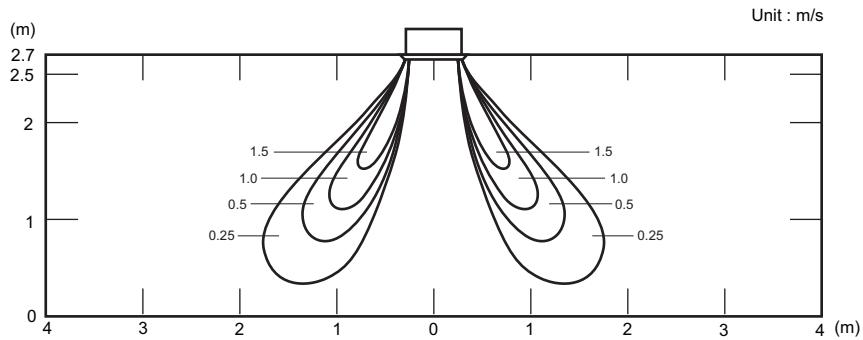
Measuring conditions	Fan speed	Operation mode
	HIGH	FAN



- Air velocity distribution

Measuring conditions NOTE: Reference data	Fan speed HIGH	Operation mode HEAT	Outlet directions 4-way air outlet
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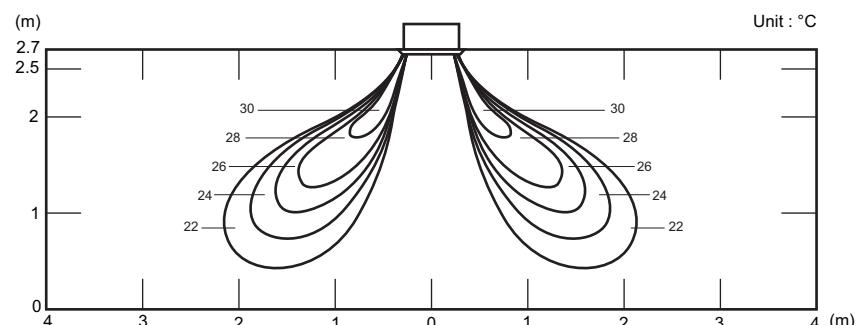
Side view
Vertical airflow direction louver: down



- Air temperature distribution

Measuring conditions NOTE: Reference data	Fan speed HIGH	Operation mode HEAT	Outlet directions 4-way air outlet
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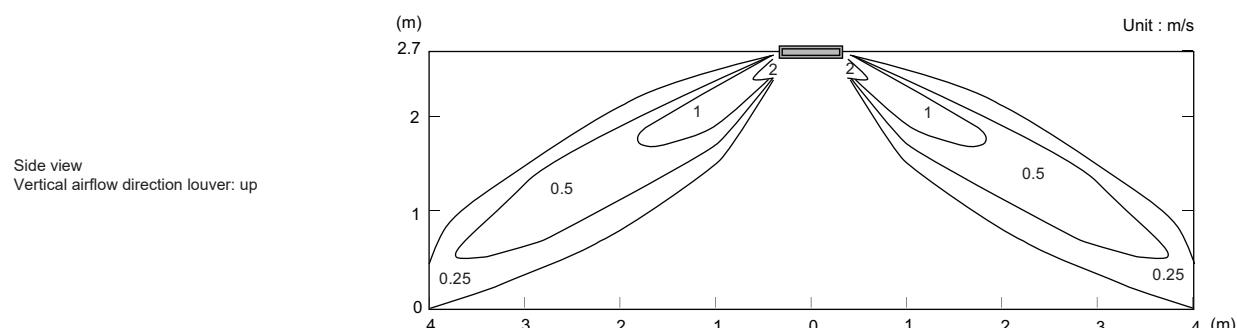
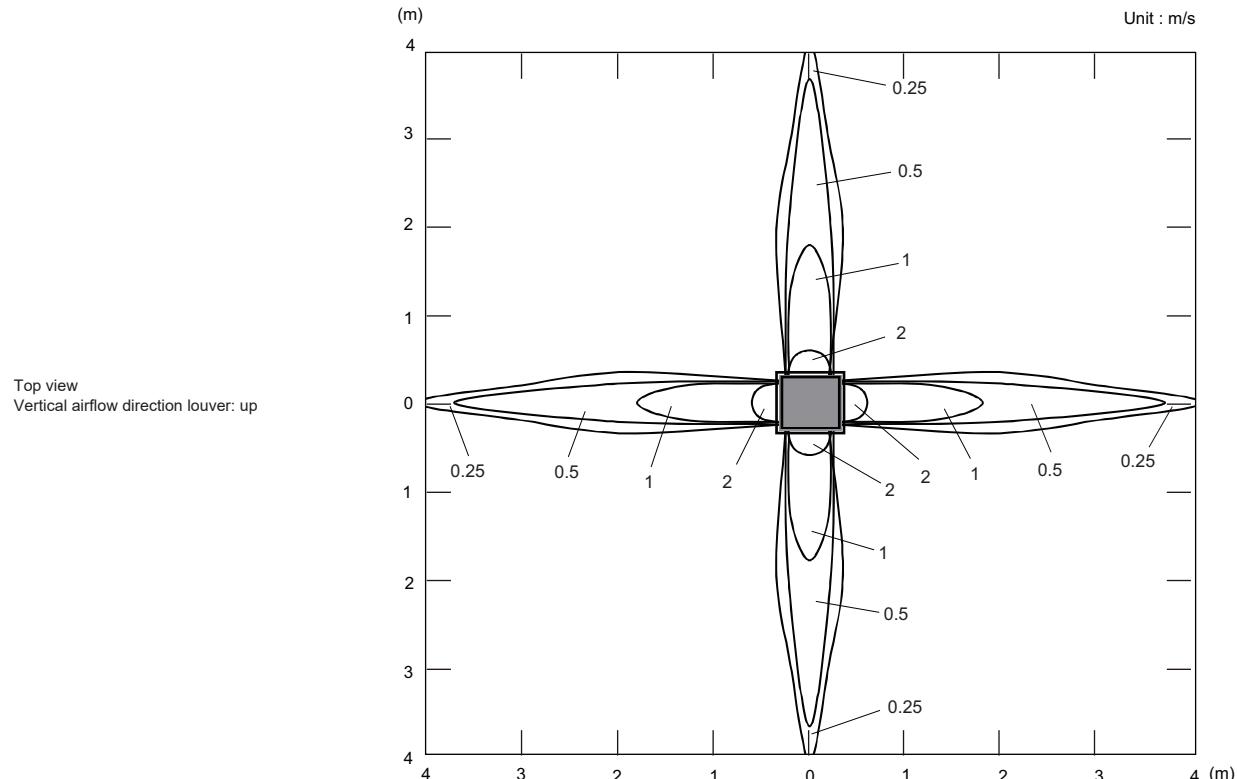
Side view
Vertical airflow direction louver: down



■ Model: AUXG14KVLA

- Air velocity distribution

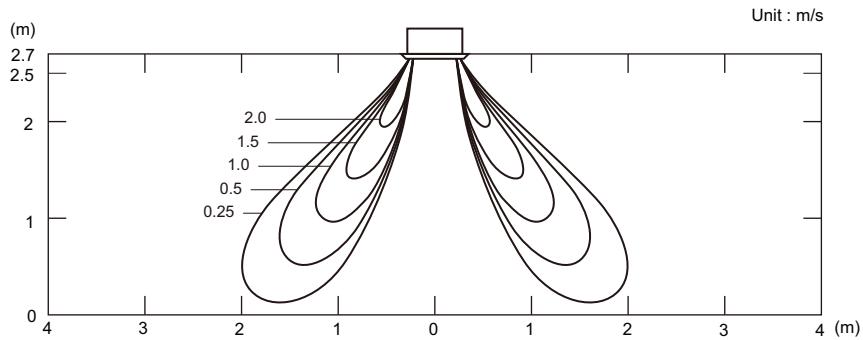
Measuring conditions	Fan speed	Operation mode
	HIGH	FAN



- Air velocity distribution

Measuring conditions NOTE: Reference data	Fan speed HIGH	Operation mode HEAT	Outlet directions 4-way air outlet
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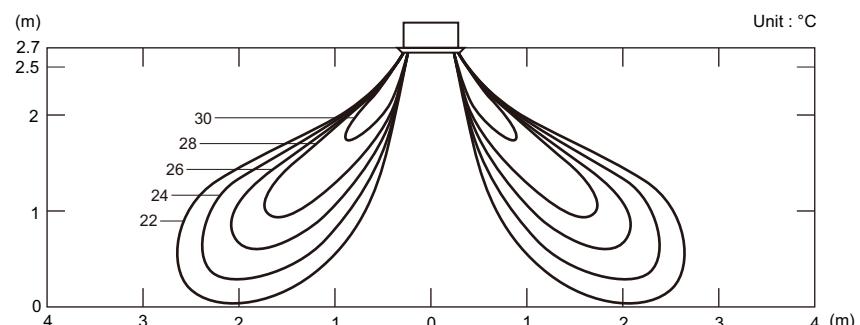
Side view
Vertical airflow direction louver: down



- Air temperature distribution

Measuring conditions NOTE: Reference data	Fan speed HIGH	Operation mode HEAT	Outlet directions 4-way air outlet
---	-------------------	------------------------	---------------------------------------

Side view
Vertical airflow direction louver: down



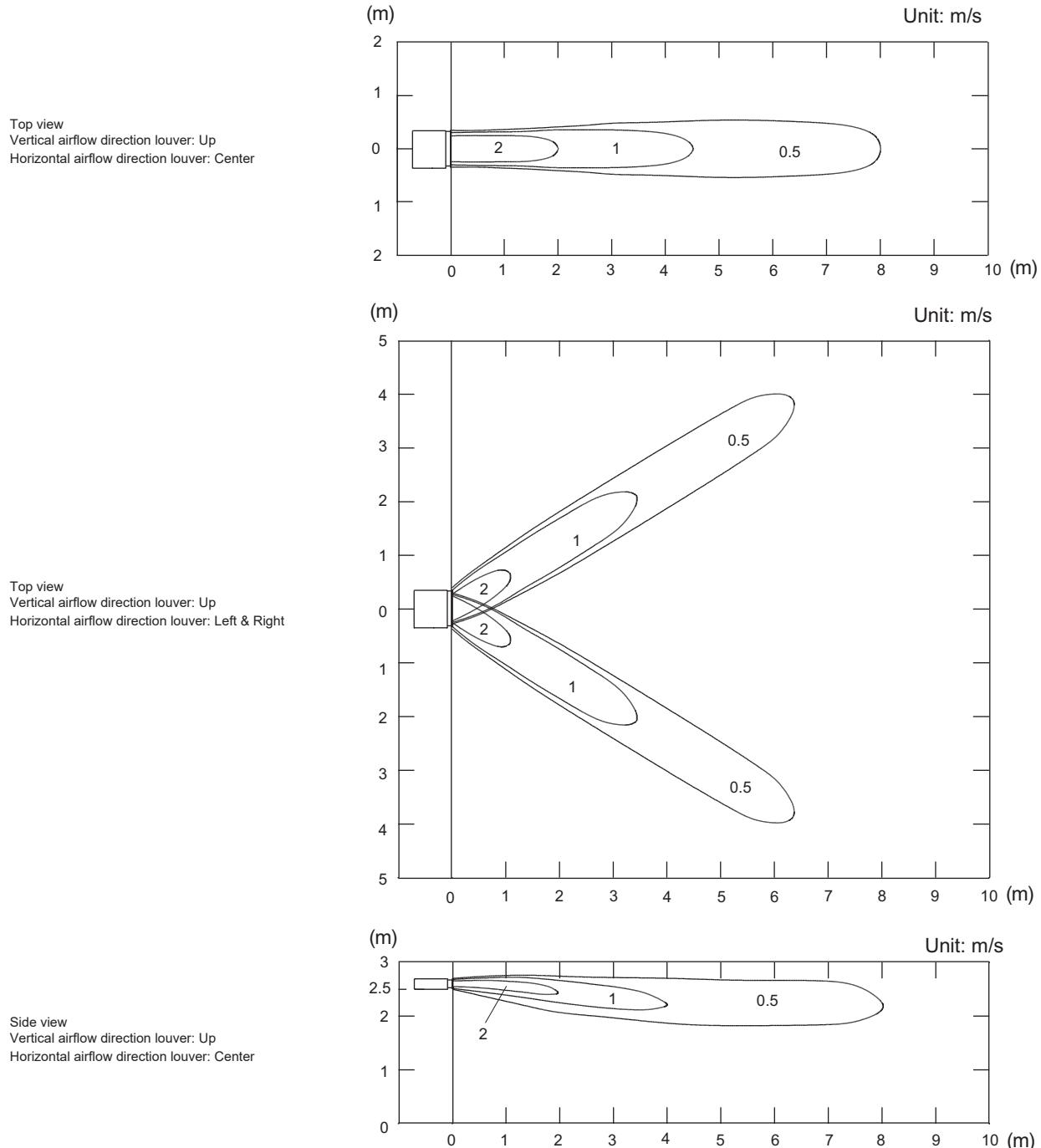
5-2. Mini duct type

■ Model: ARXG07KSLAP

NOTE: This data is measured after installing optional Auto louver grille kit.

- Air velocity distribution

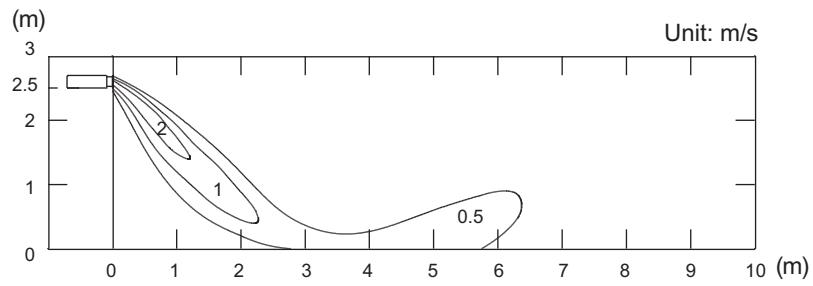
Measuring conditions	Fan speed	Operation mode
	HIGH	FAN



- Air velocity distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT

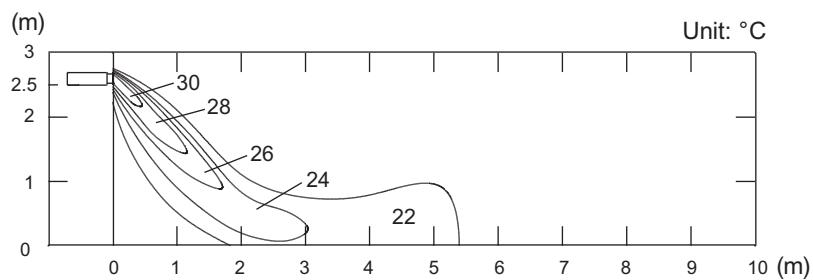
Side view
Vertical airflow direction louver: Down
Horizontal airflow direction louver: Center



- Air temperature distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT

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

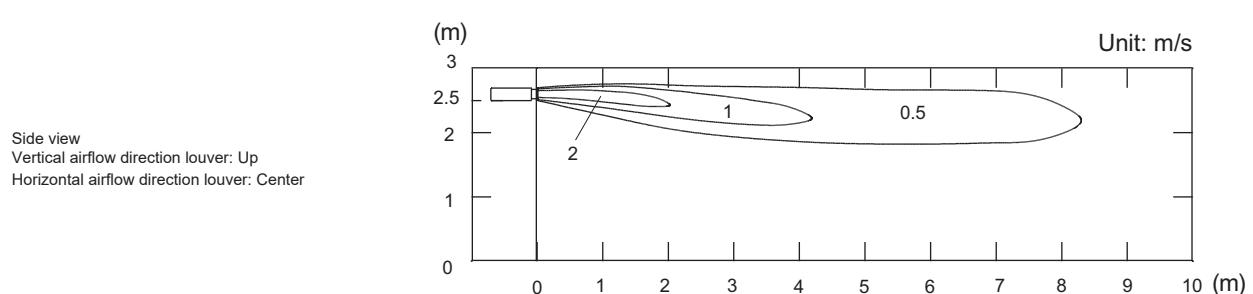
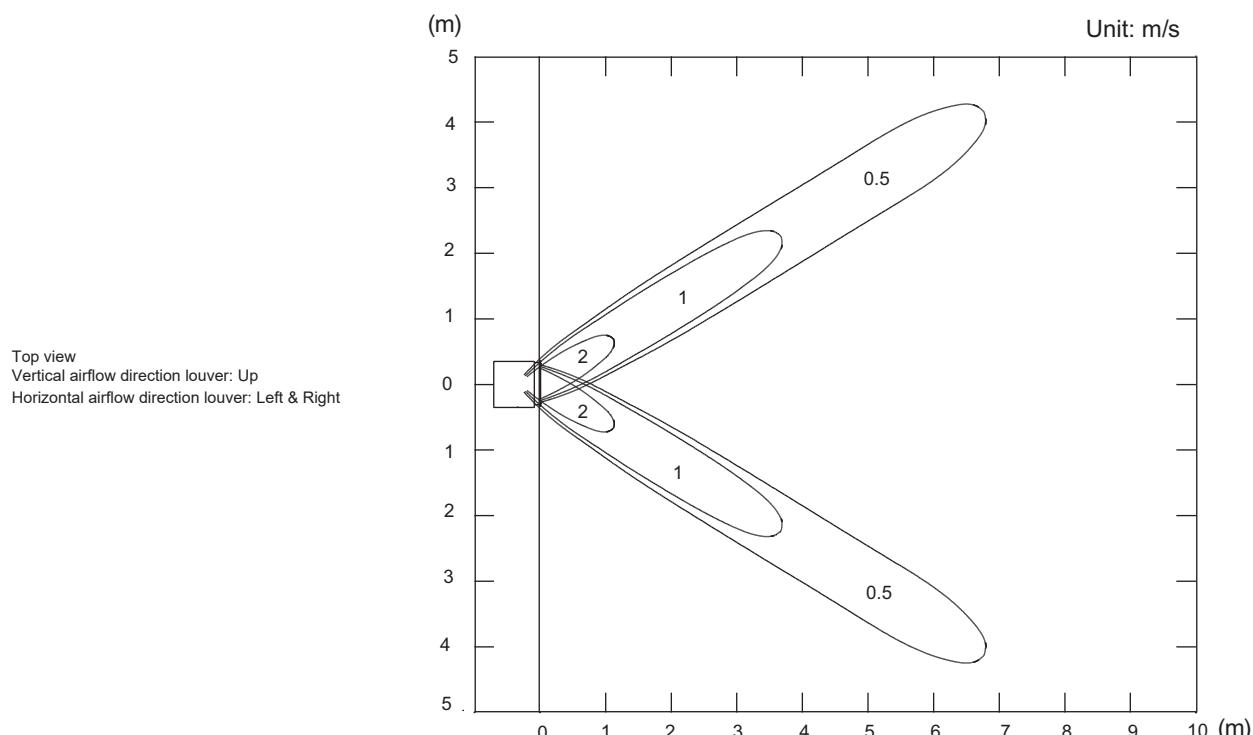
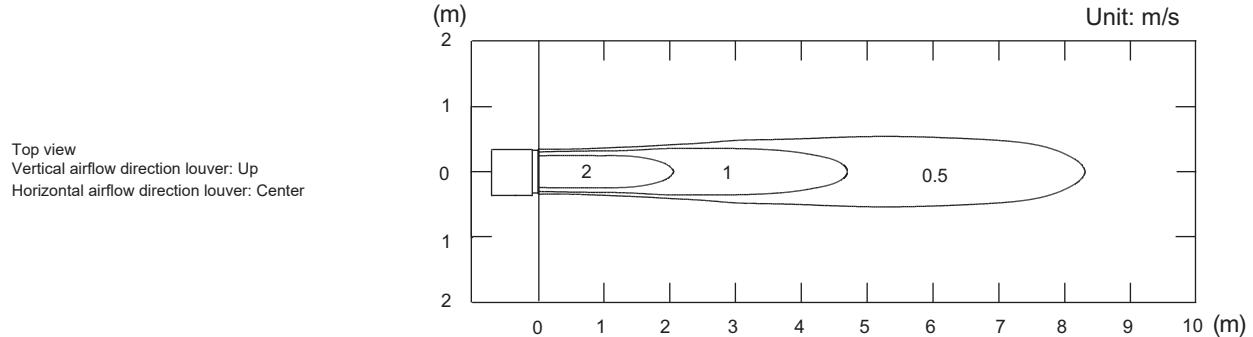


■ Model: ARXG09KSLAP

NOTE: This data is measured after installing optional Auto louver grille kit.

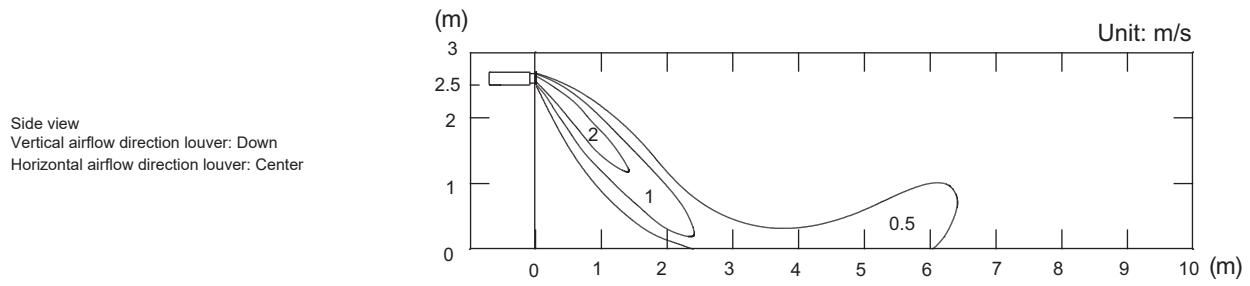
- Air velocity distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	FAN



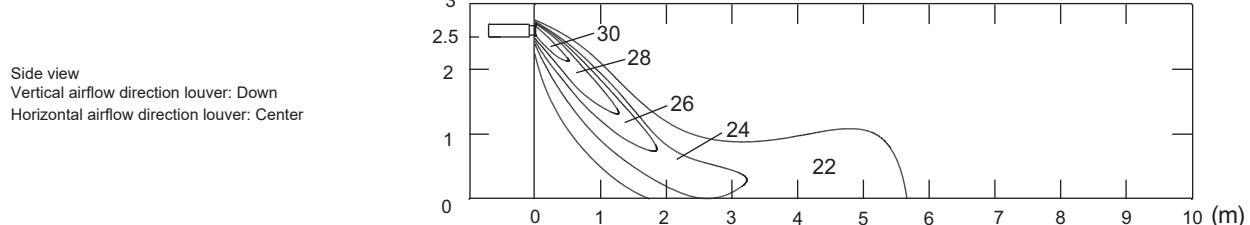
- Air velocity distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT



- Air temperature distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT

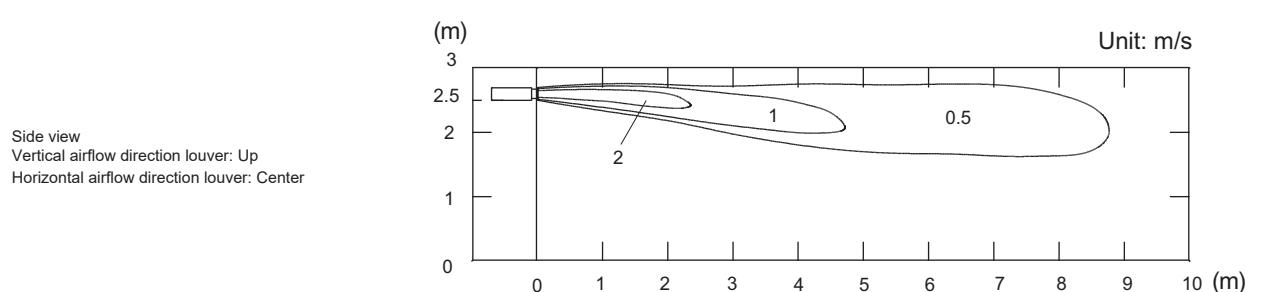
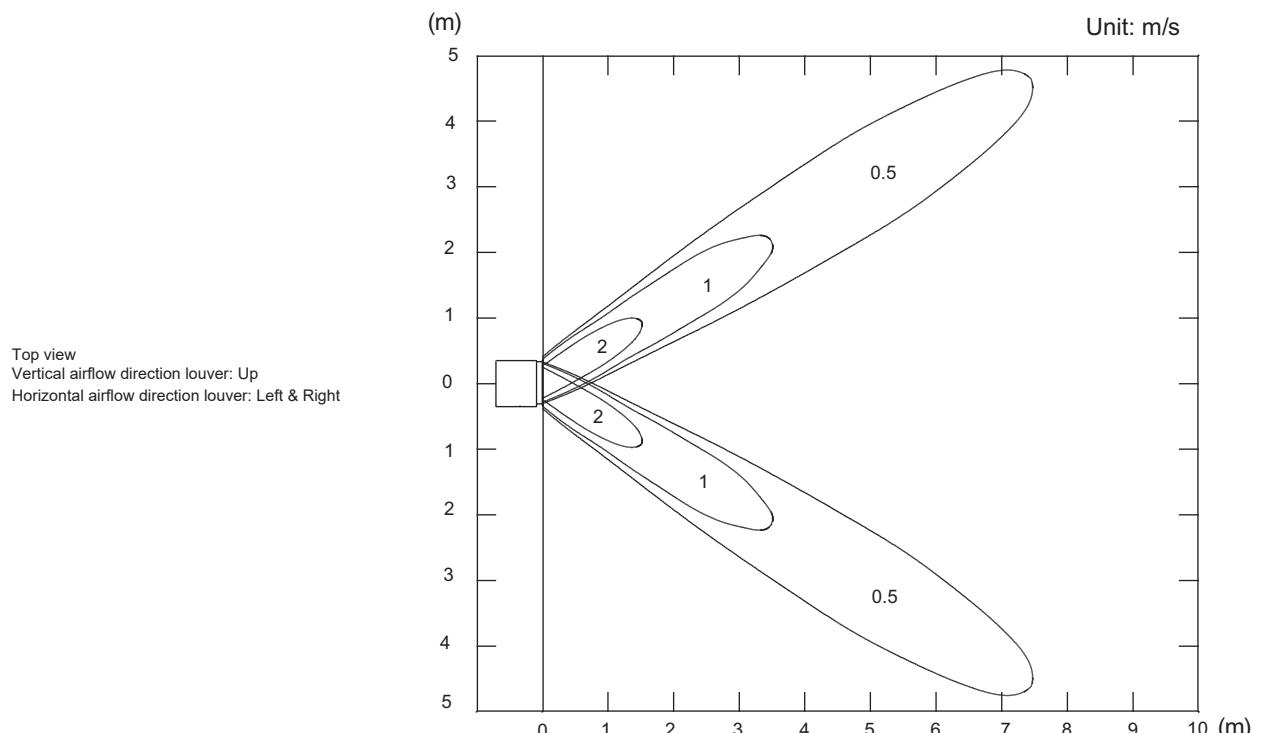
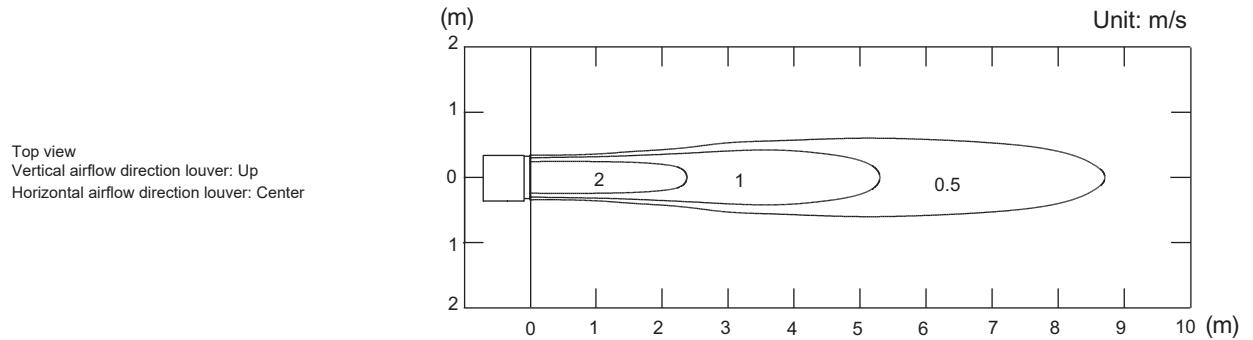


■ Model: ARXG12KSLAP

NOTE: This data is measured after installing optional Auto louver grille kit.

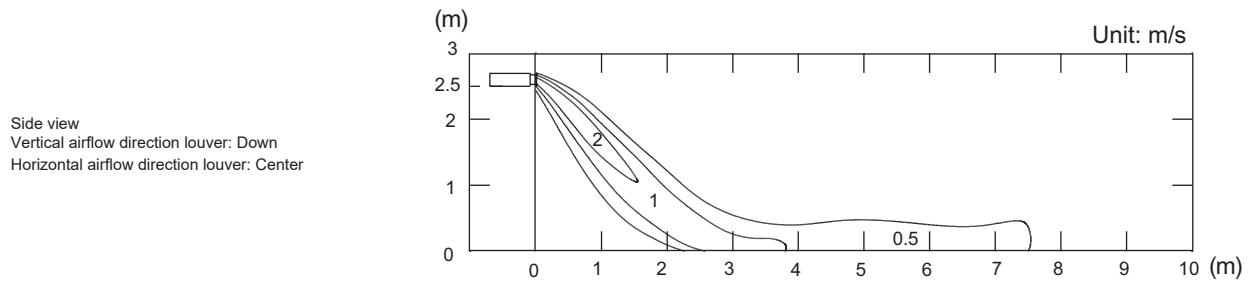
- Air velocity distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	FAN



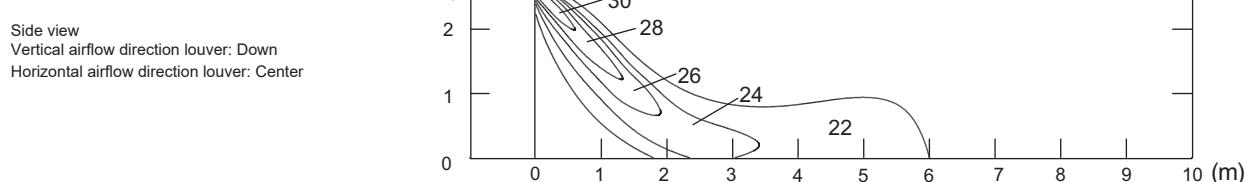
- Air velocity distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT



- Air temperature distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT

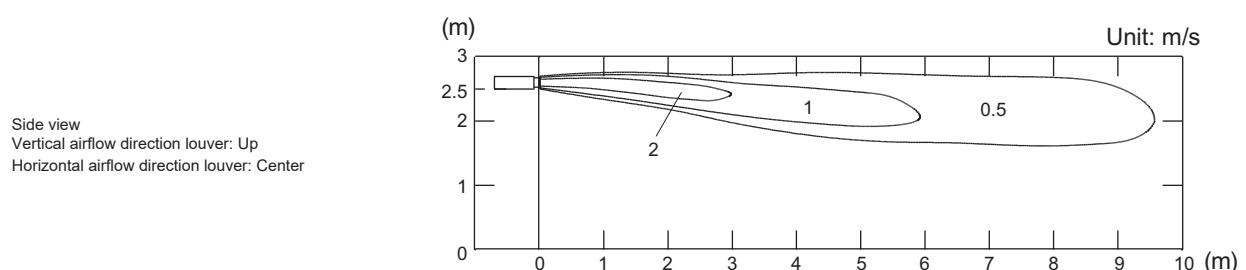
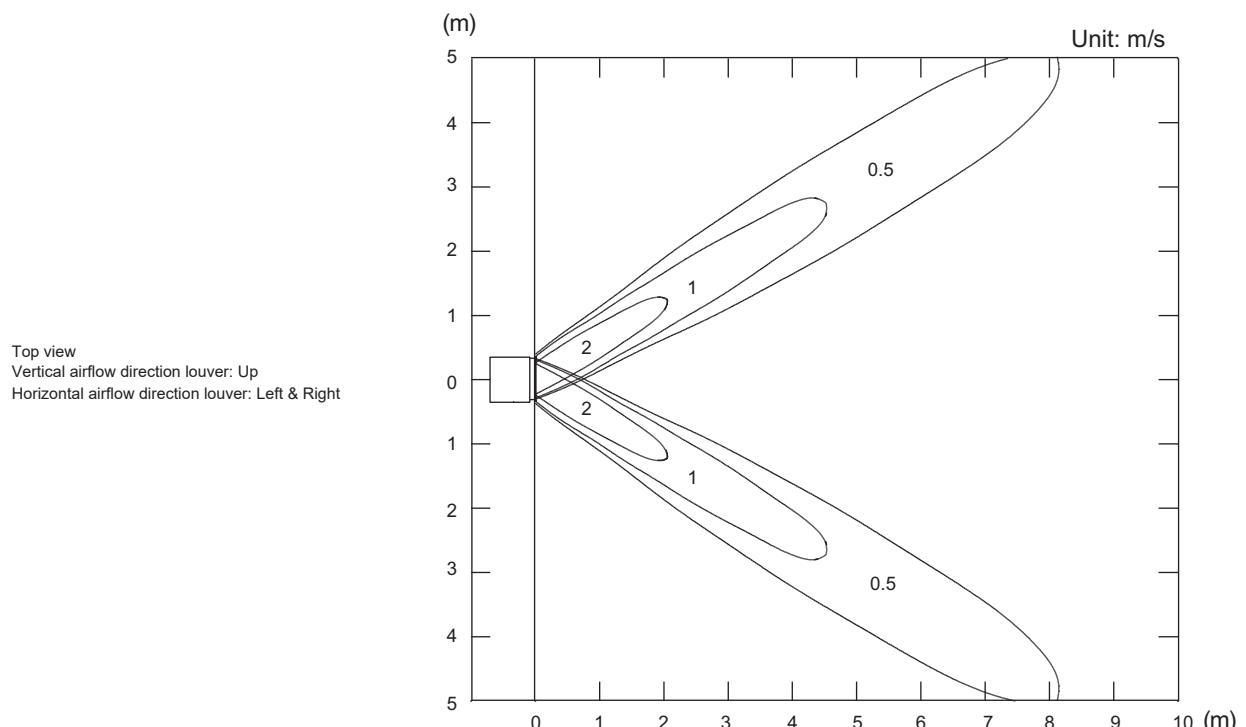
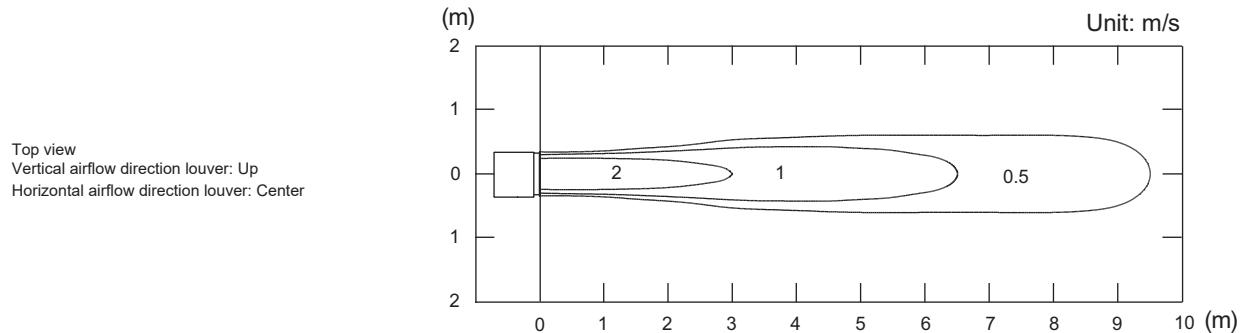


■ Model: ARXG14KSLAP

NOTE: This data is measured after installing optional Auto louver grille kit.

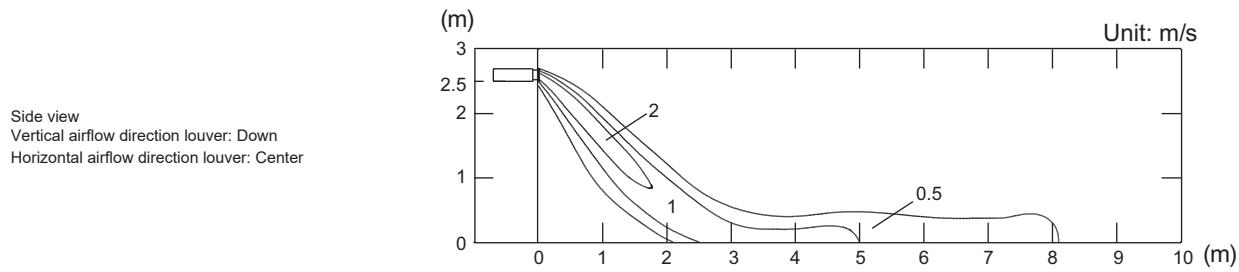
- Air velocity distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	



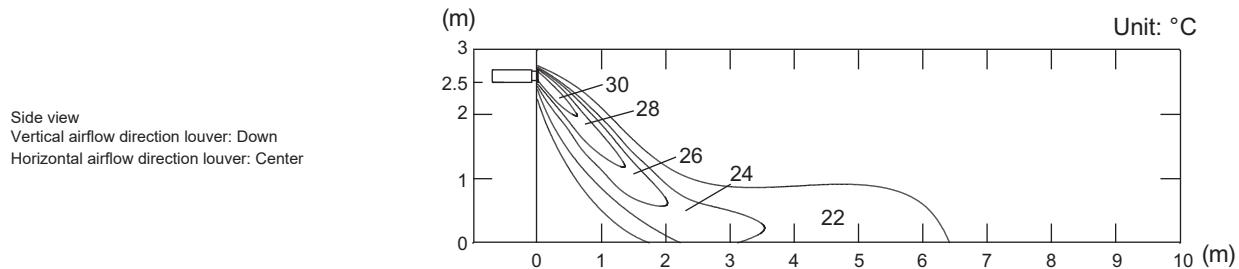
- Air velocity distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT



- Air temperature distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT



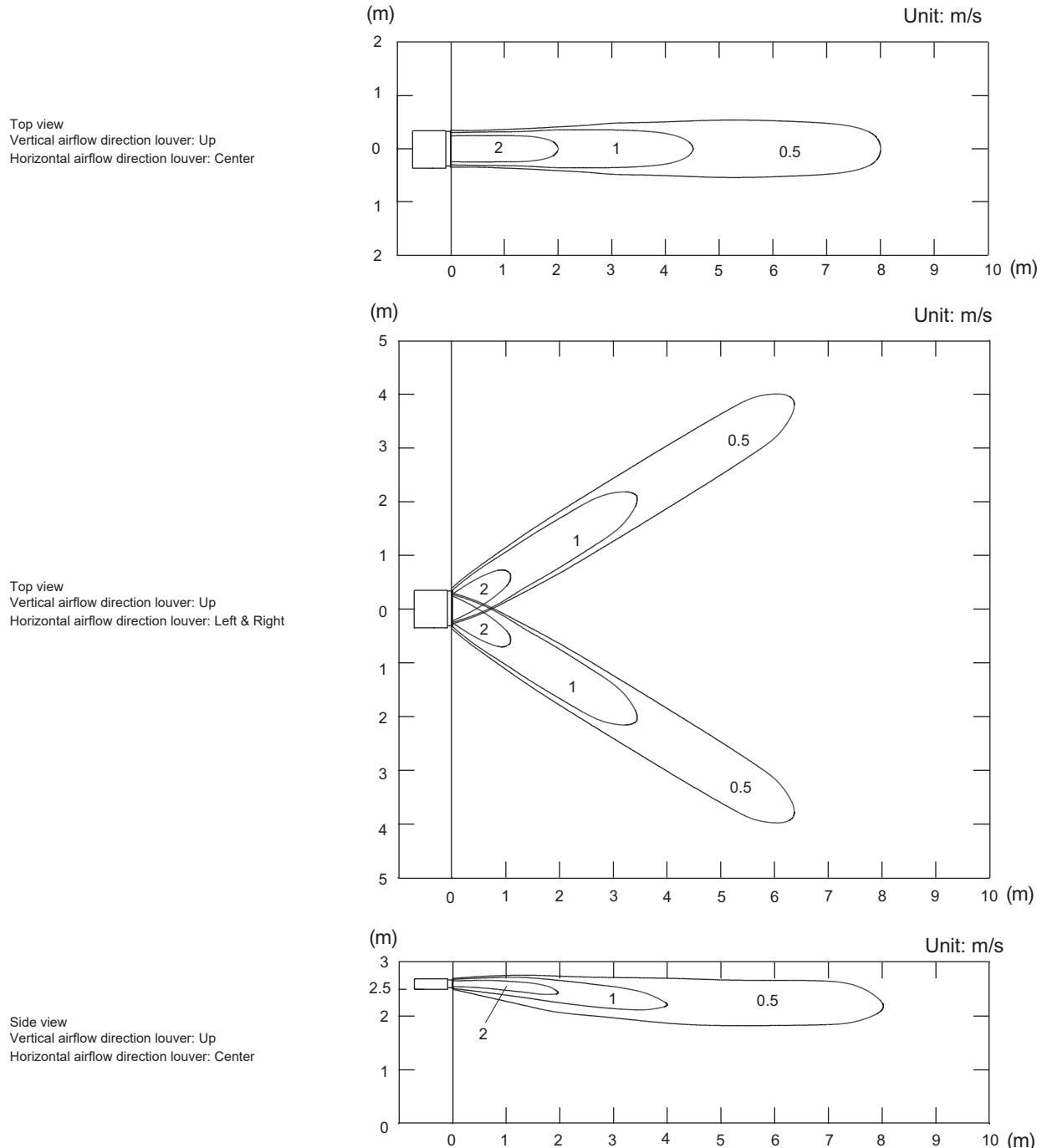
5-3. Slim duct type

■ Model: ARXG07KLLAP

NOTE: This data is measured after installing optional Auto louver grille kit.

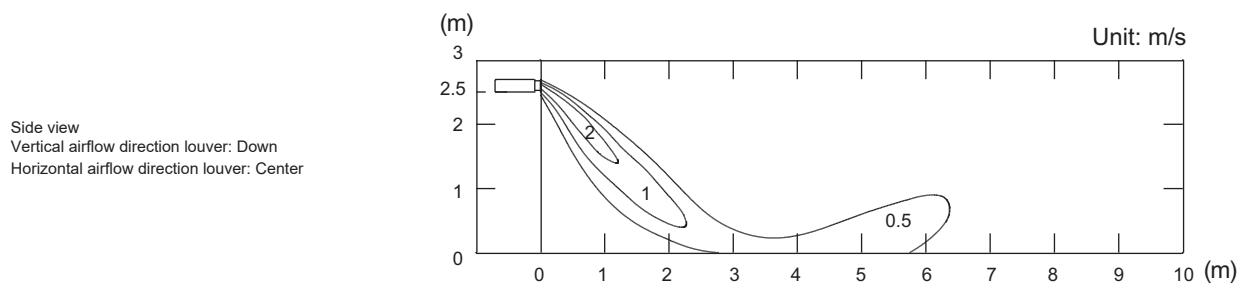
- Air velocity distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	FAN



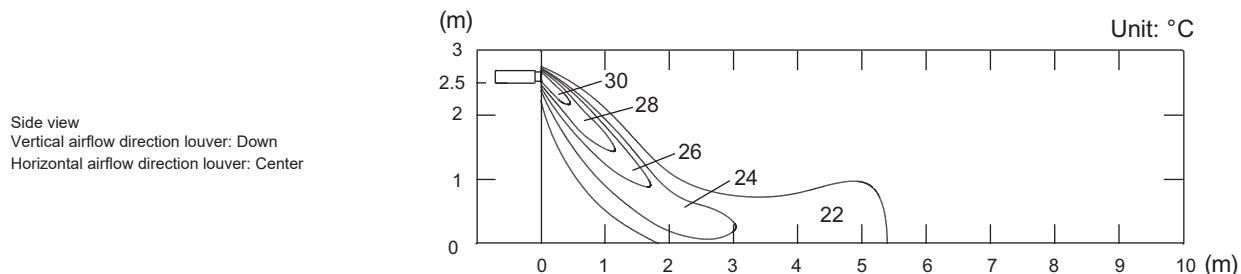
- Air velocity distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT



- Air temperature distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT

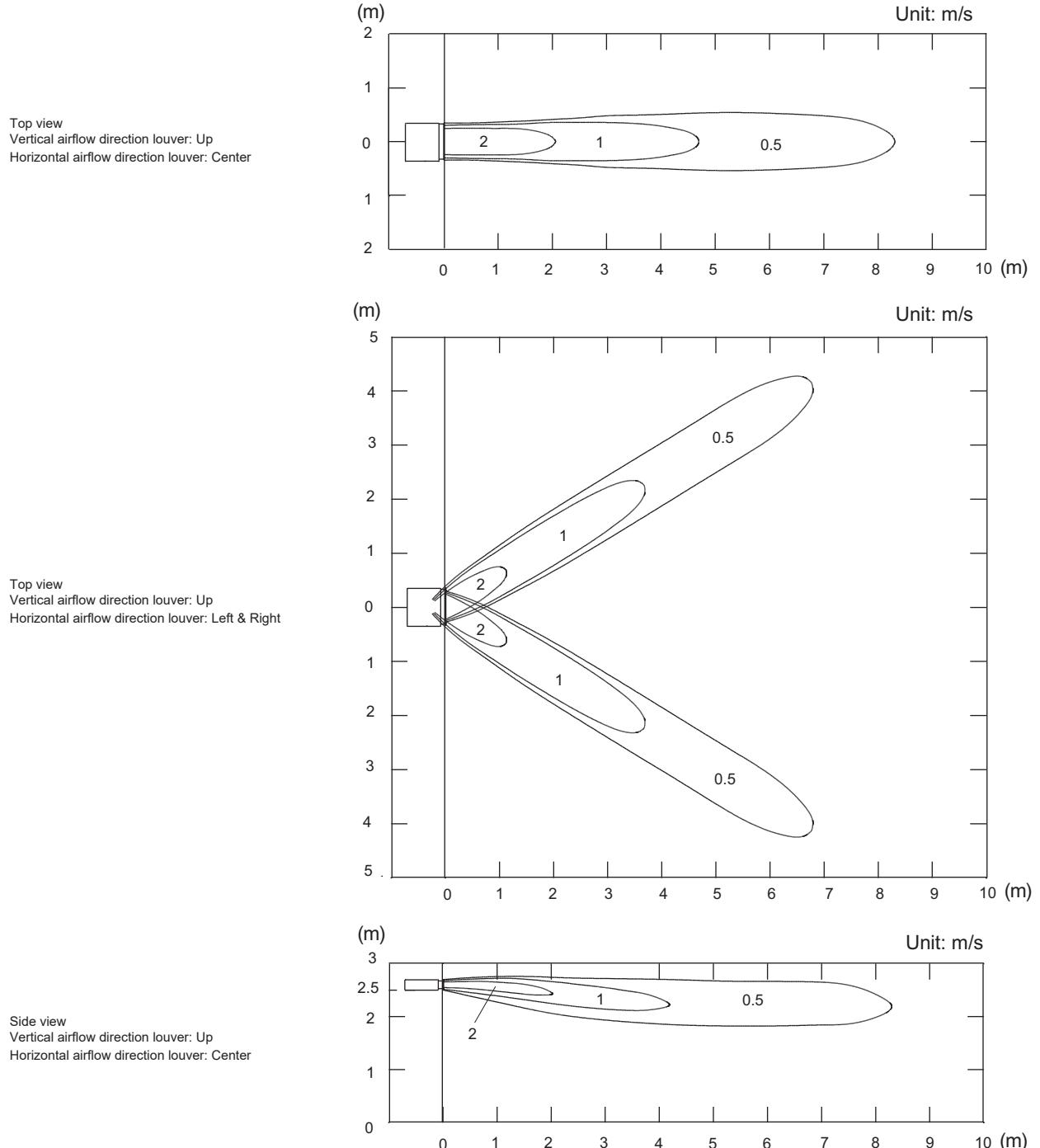


■ Model: ARXG09KLLAP

NOTE: This data is measured after installing optional Auto louver grille kit.

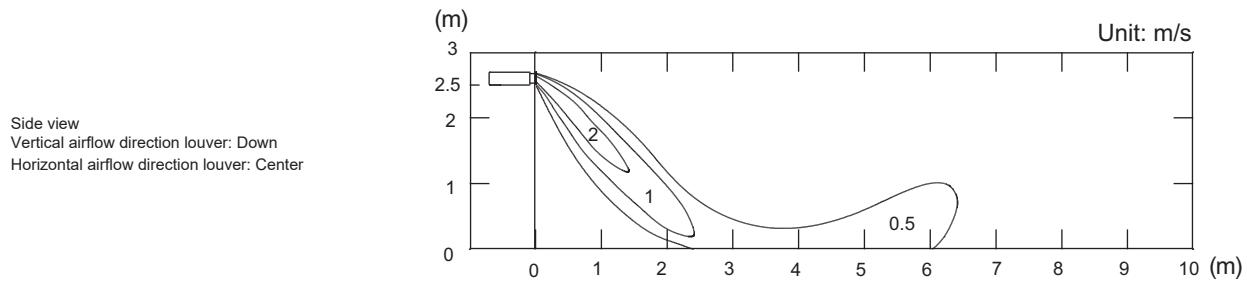
- Air velocity distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	FAN



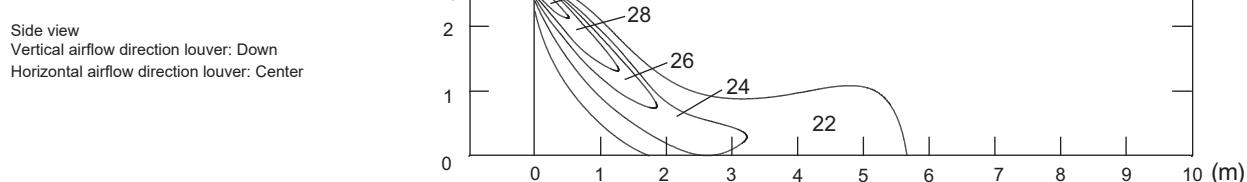
- Air velocity distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT



- Air temperature distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT

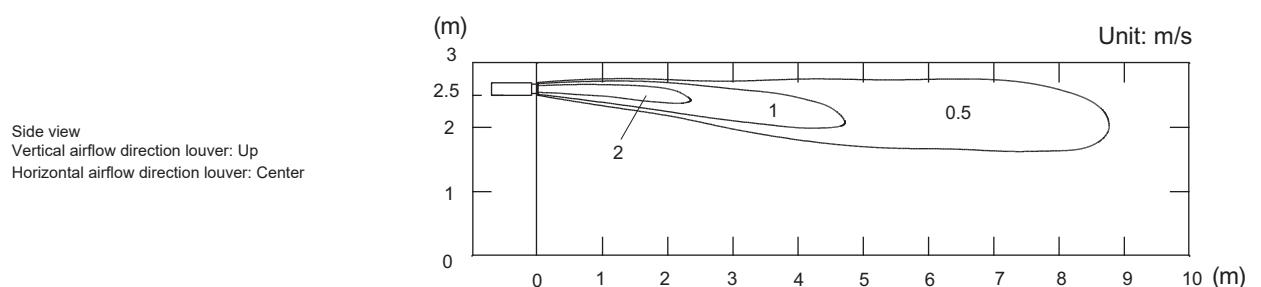
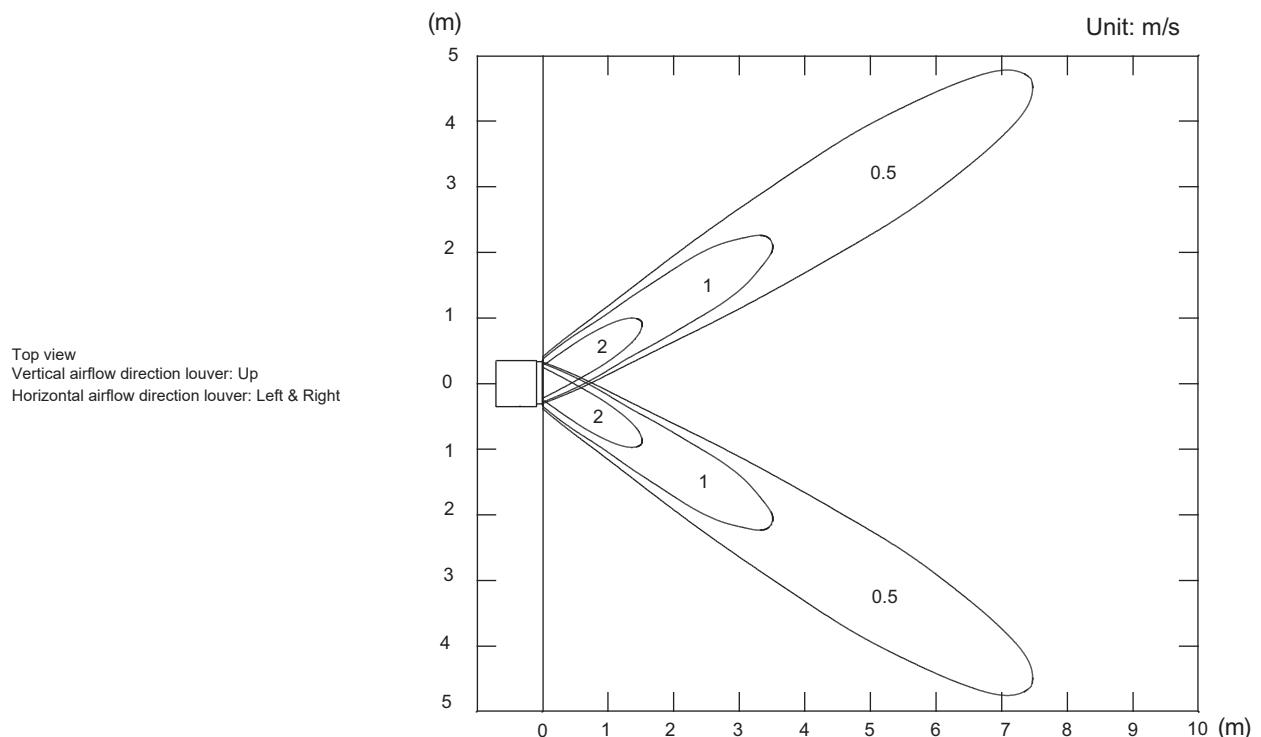
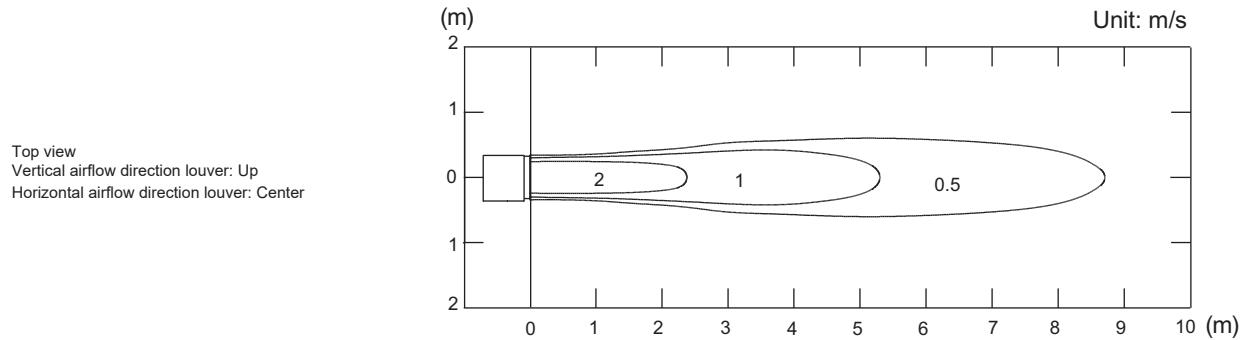


■ Model: ARXG12KLLAP

NOTE: This data is measured after installing optional Auto louver grille kit.

- Air velocity distribution

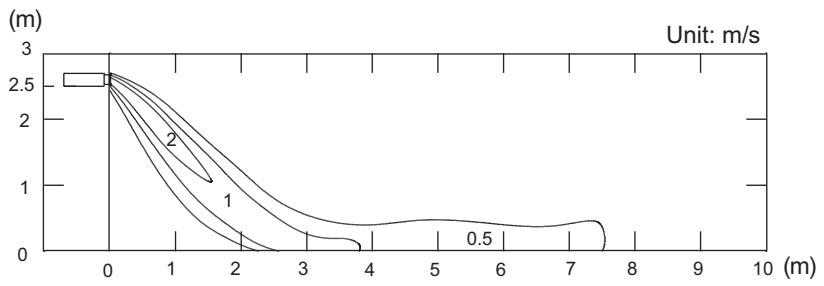
Measuring conditions	Fan speed	Operation mode
	HIGH	



- Air velocity distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT

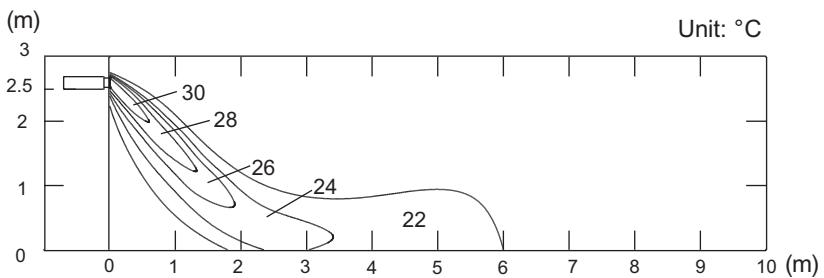
Side view
Vertical airflow direction louver: Down
Horizontal airflow direction louver: Center



- Air temperature distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT

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

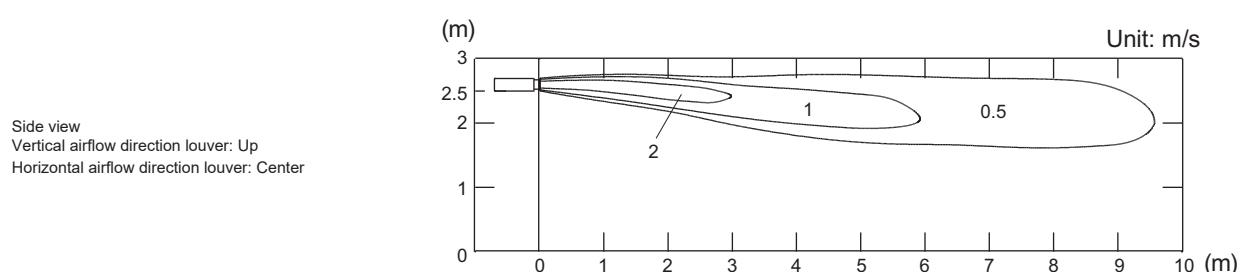
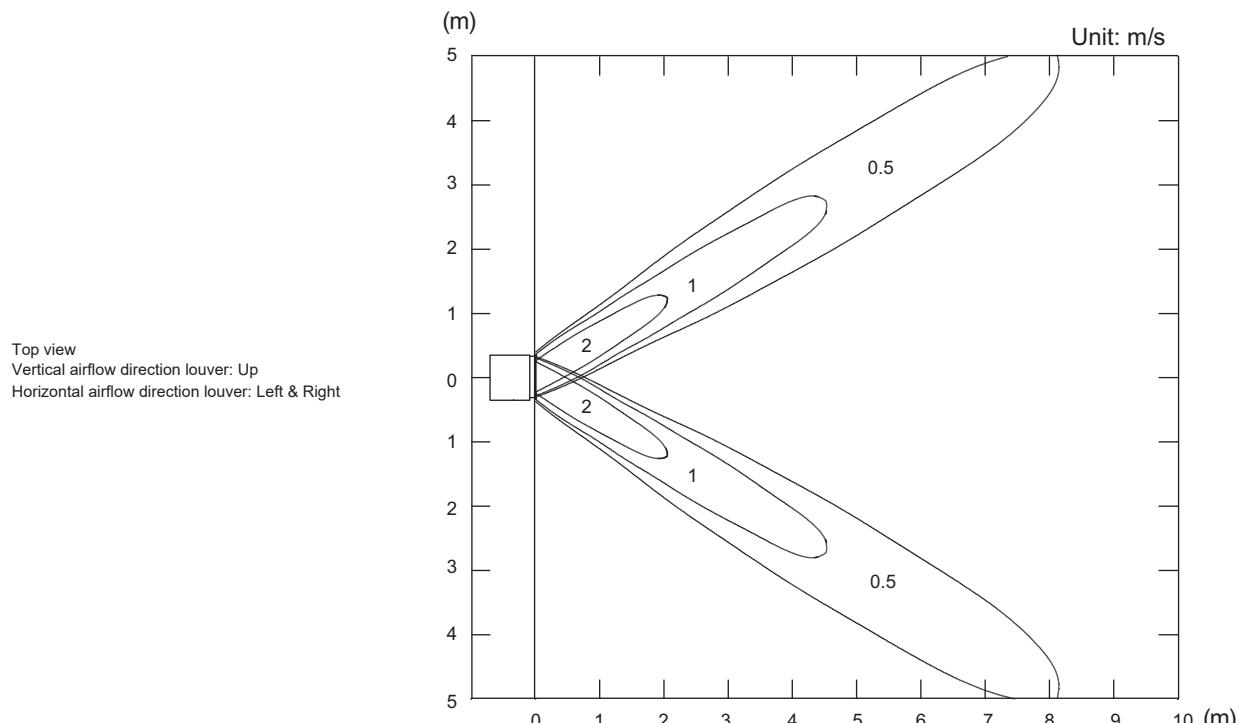
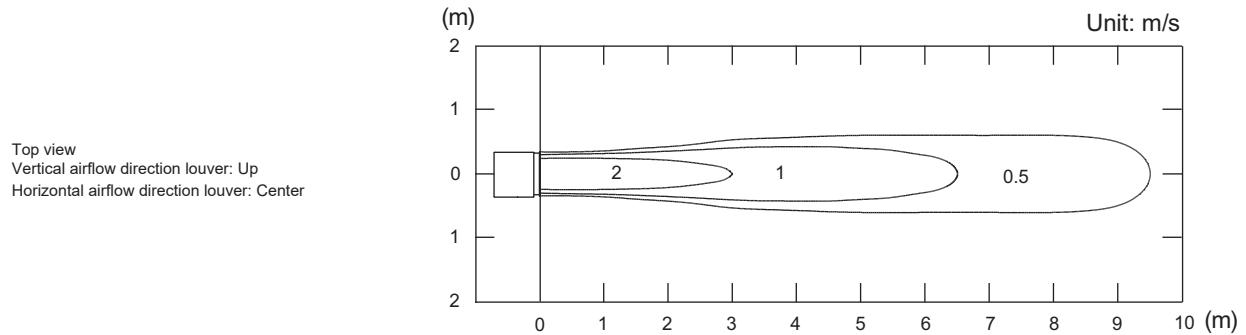


■ Model: ARXG14KLLAP

NOTE: This data is measured after installing optional Auto louver grille kit.

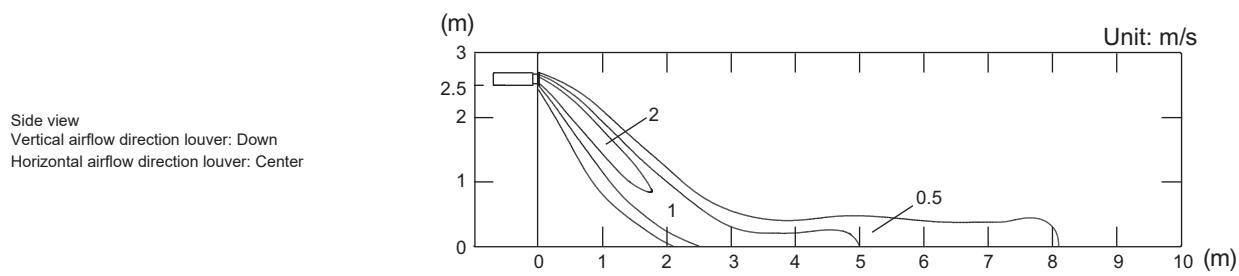
- Air velocity distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	



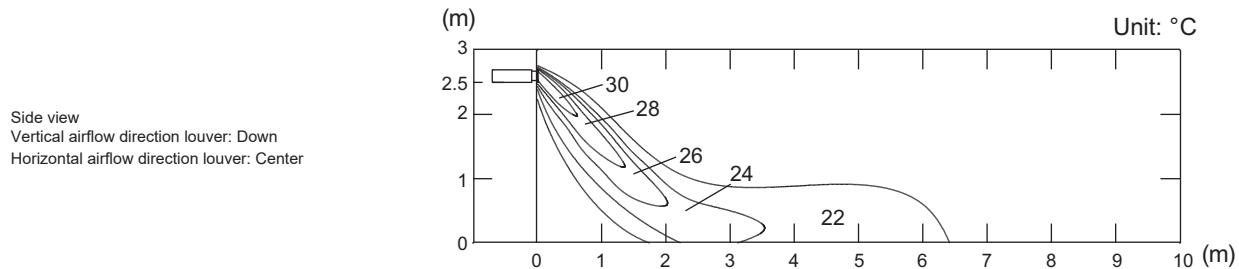
- Air velocity distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT



- Air temperature distribution

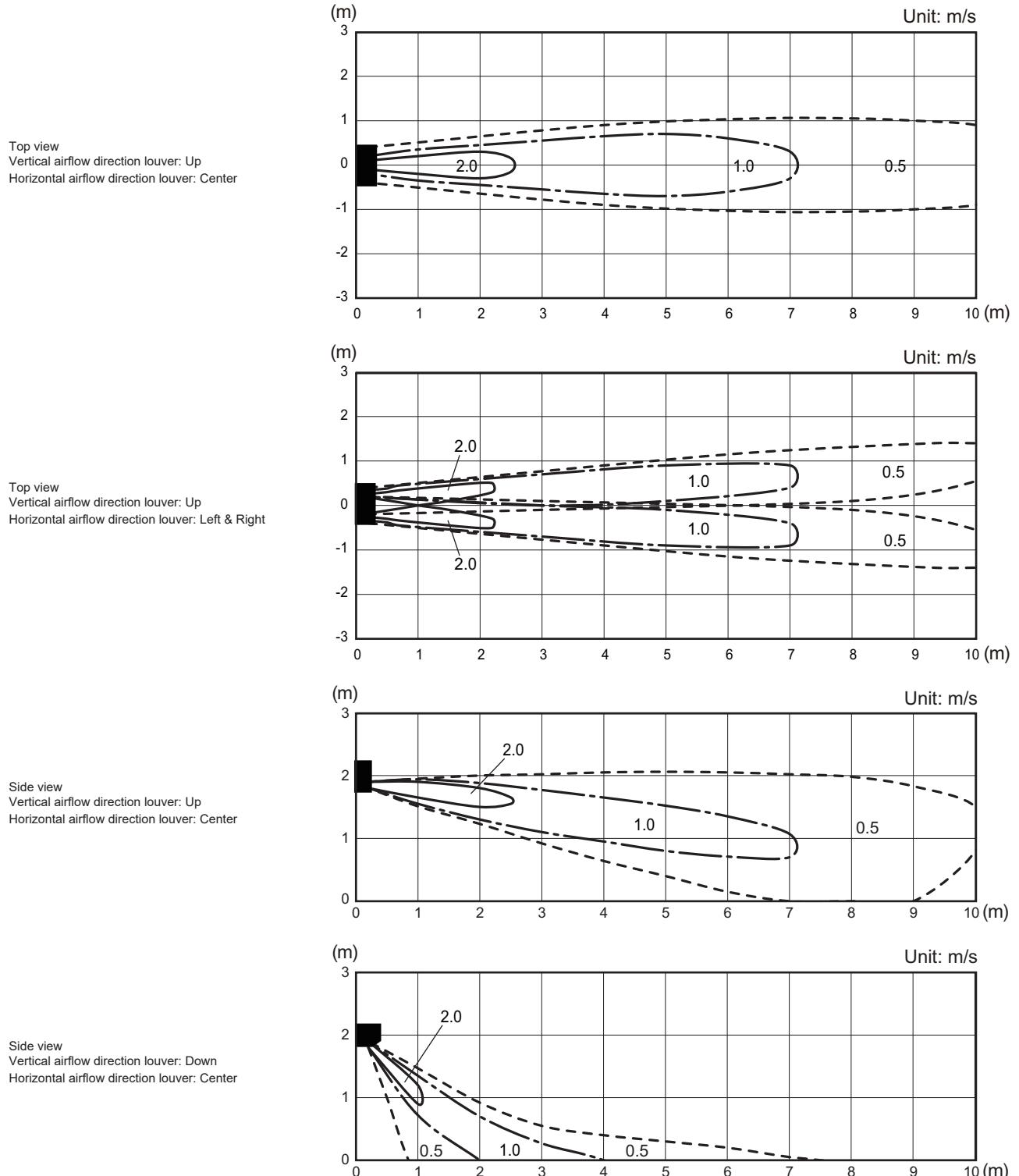
Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT



5-4. Wall mounted type

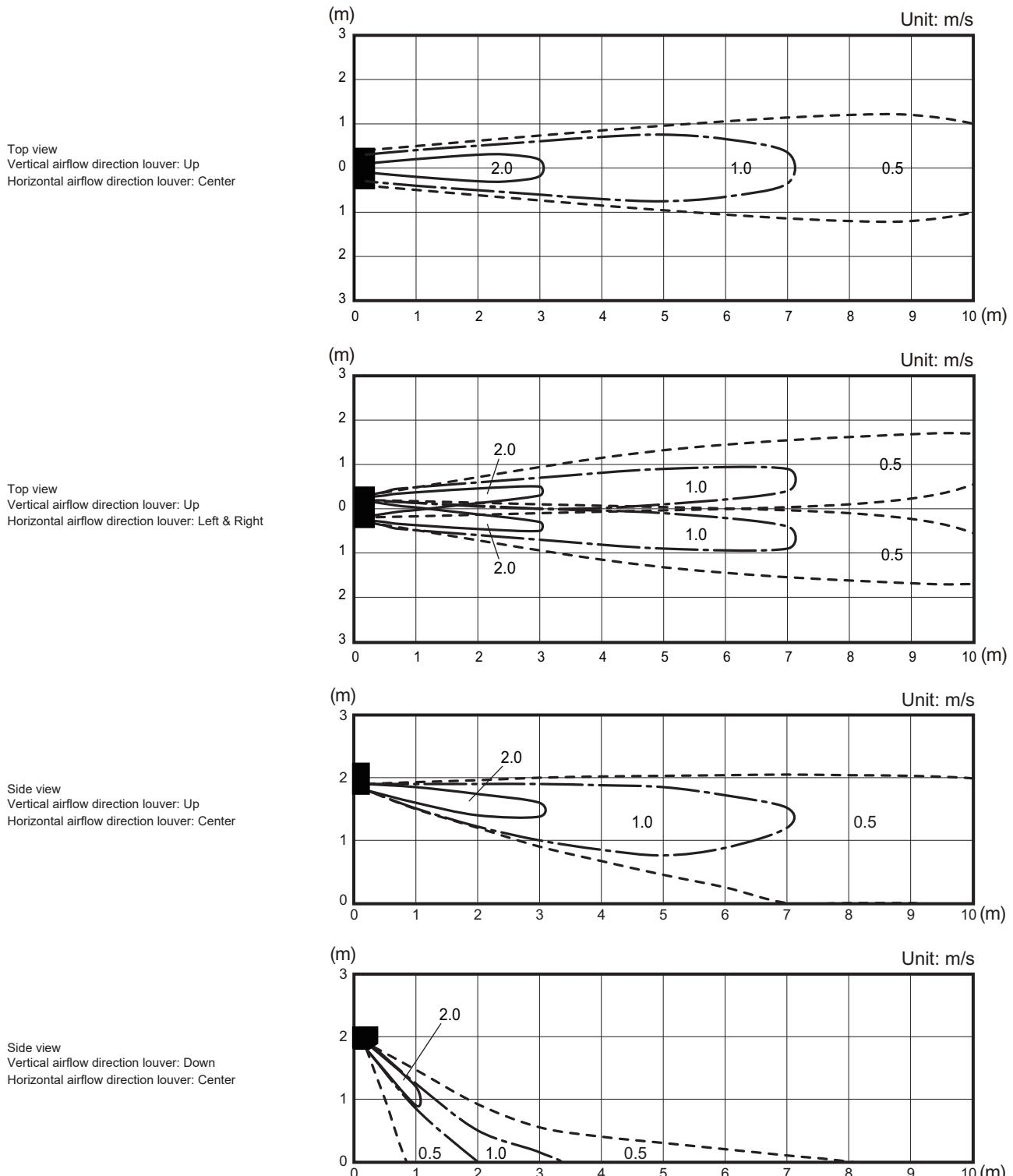
■ Models: **ASYG07KGTB, ASYG09KGTB, ASYG07KMTB, ASYG09KMTB, ASYG12KMTB, ASYG07KMCC, ASYG09KMCC, ASYG12KMCC, ASYG07KETA, ASYG09KETA, ASYG12KETA, ASYG07KETA-B, ASYG09KETA-B, and ASYG12KETA-B**

Measuring conditions	Fan speed	Operation mode
	HIGH	FAN



■ Models: ASYG12KGTB, ASYG14KGTB, ASYG14KMTB, ASYG14KMCC, ASYG14KETA, and ASYG14KETA-B

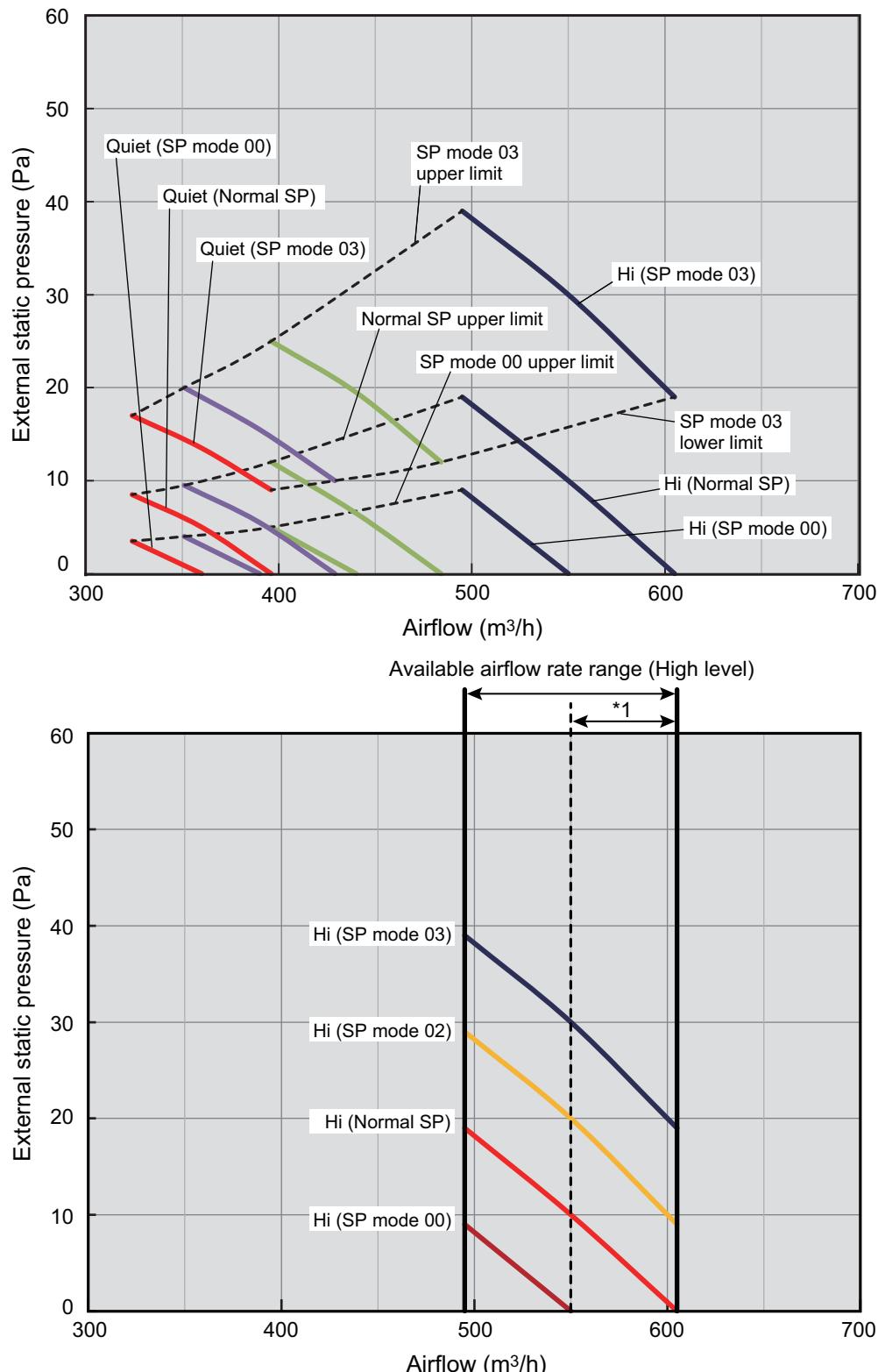
Measuring conditions	Fan speed HIGH	Operation mode FAN
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6. Fan performance

6-1. Mini duct type

■ Model: ARXG07KSLAP



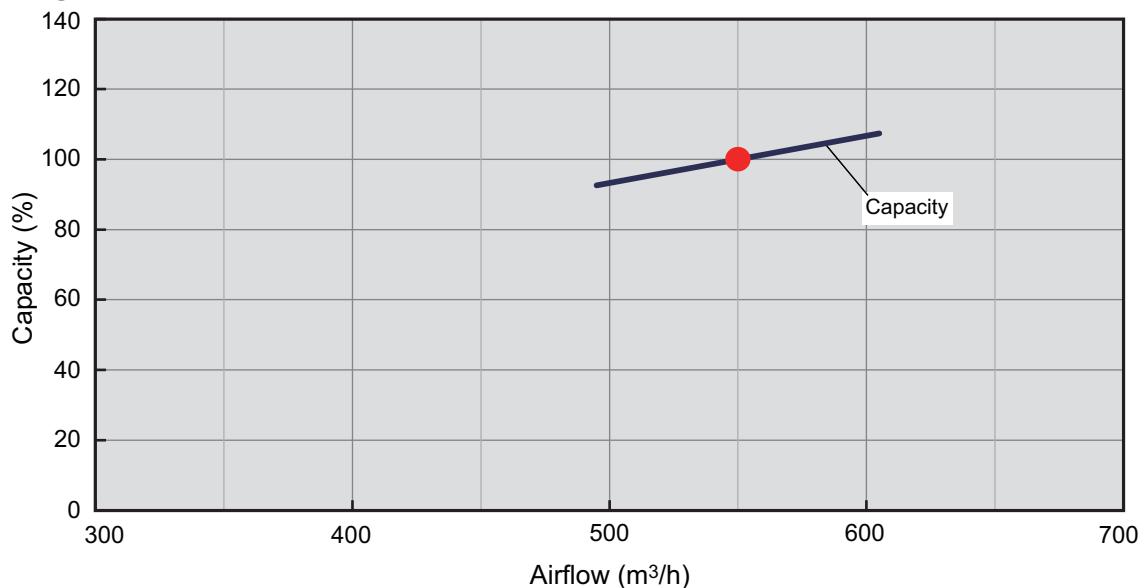
*1: Available airflow rate range when Auto louver grille (option) is installed.

Fan speed: HIGH

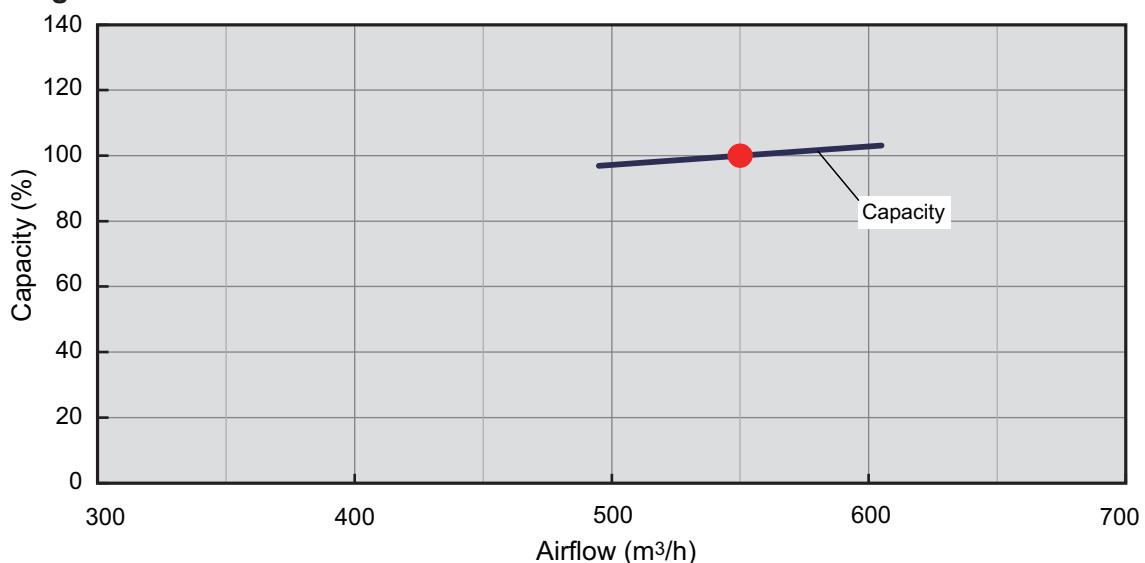
Vertical airflow direction louver: Up

● Characteristics of air volume and capacity

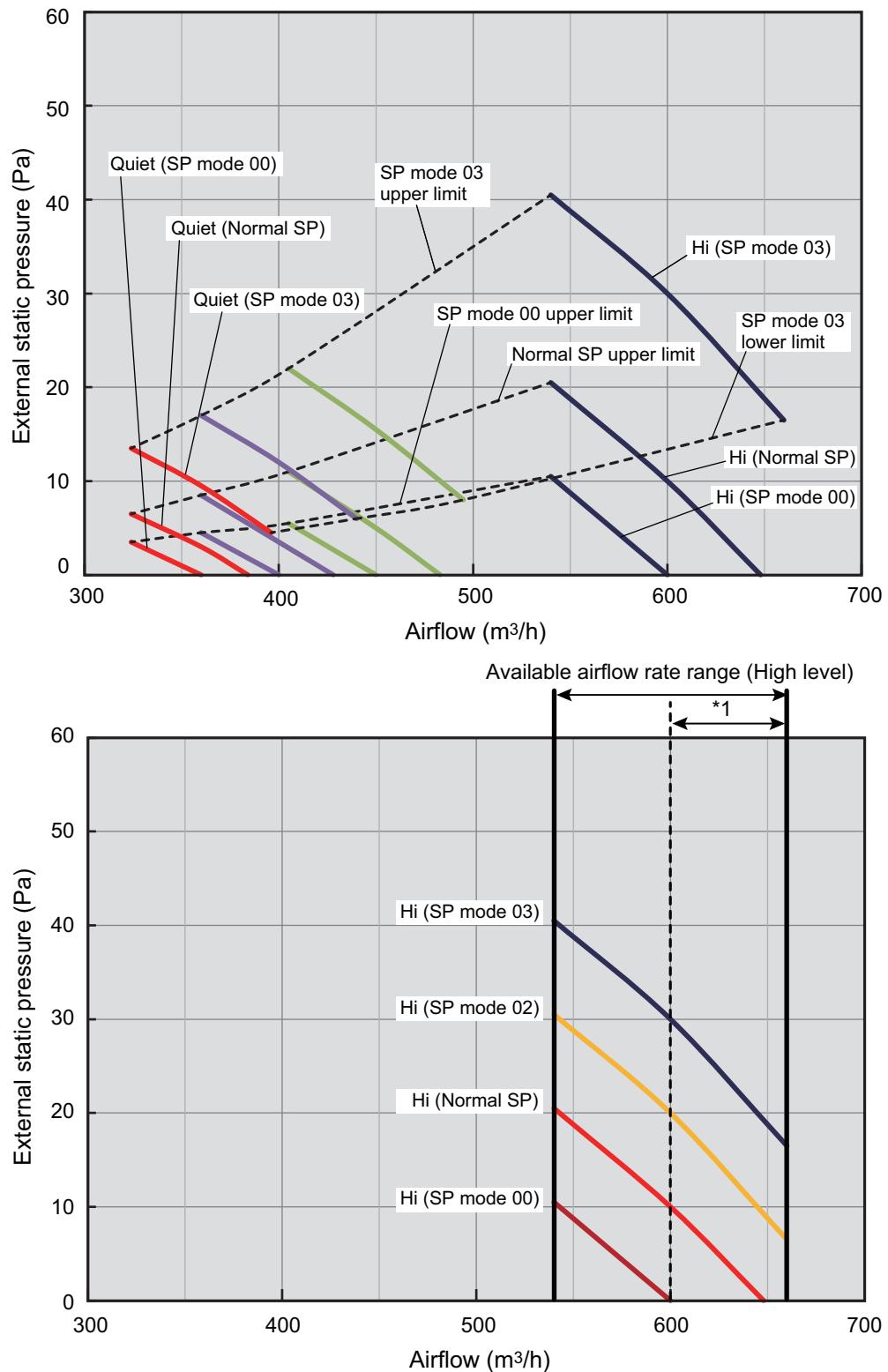
- Cooling



- Heating



■ Model: ARXG09KSLAP



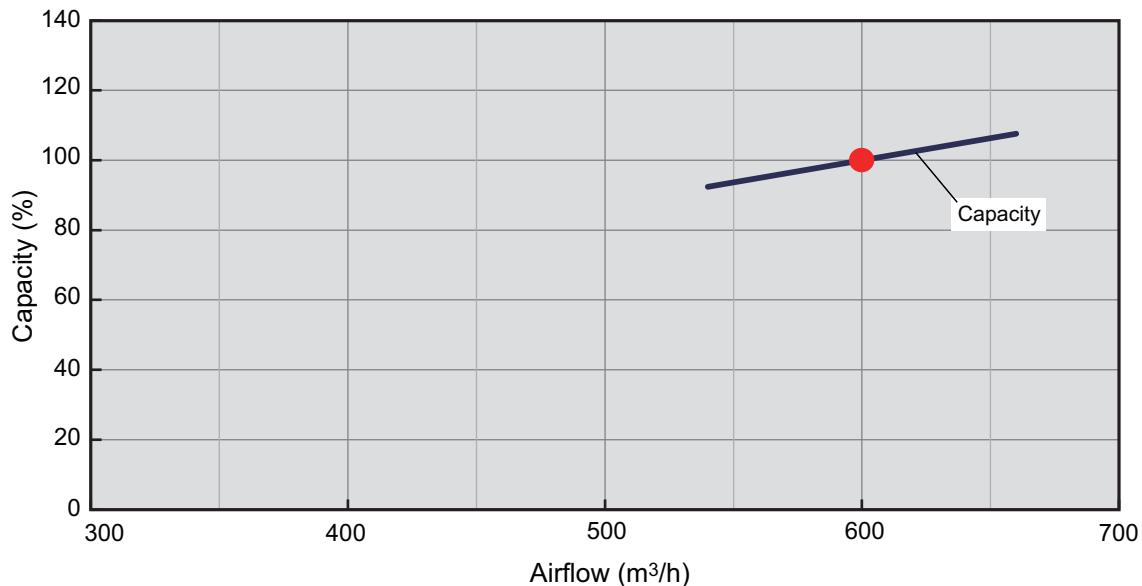
*1: Available airflow rate range when Auto louver grille (option) is installed.

Fan speed: HIGH

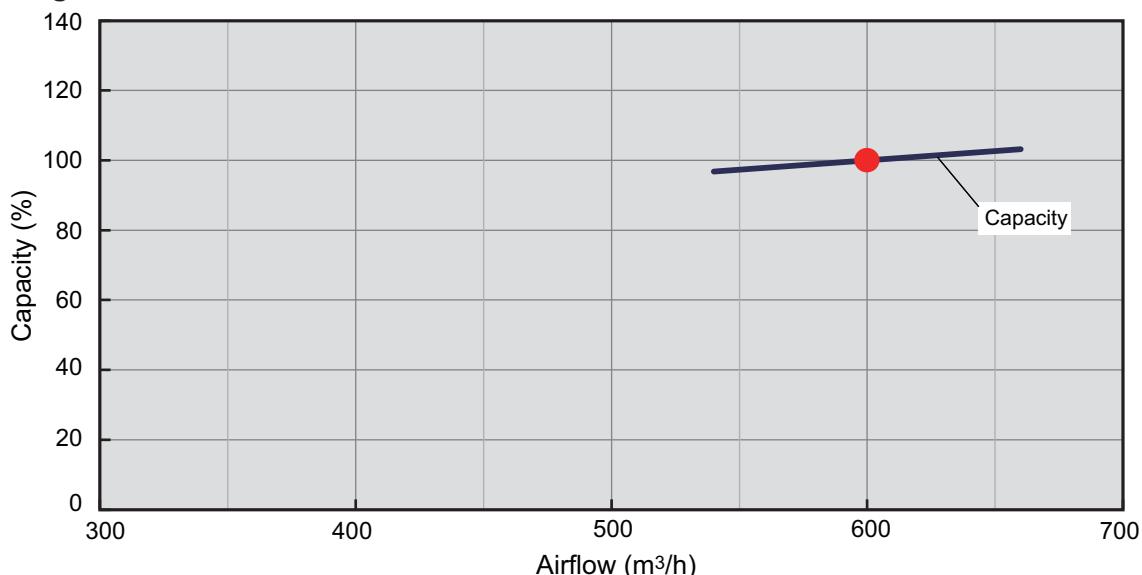
Vertical airflow direction louver: Up

● Characteristics of air volume and capacity

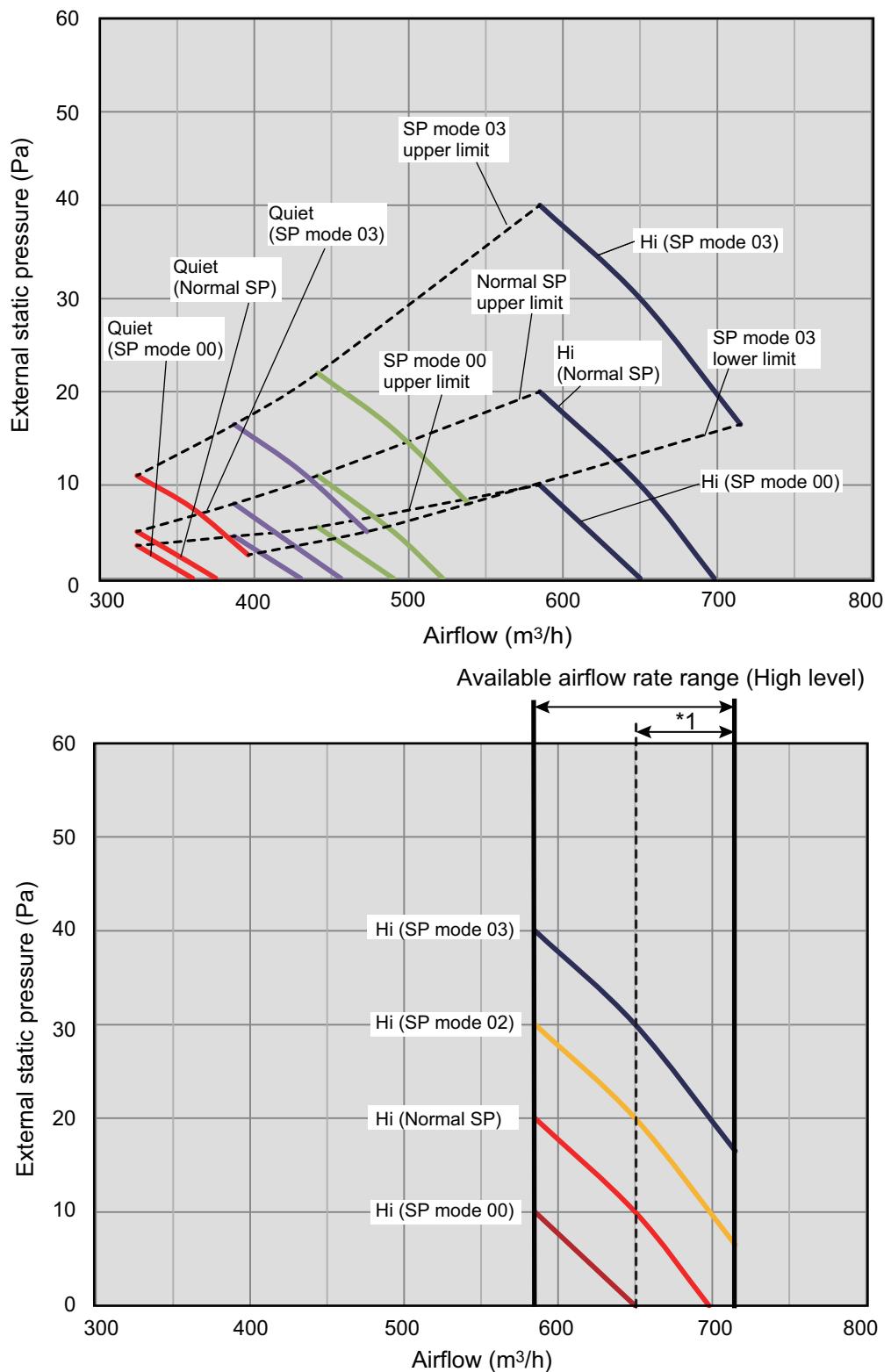
- Cooling



- Heating



■ Model: ARXG12KSLAP



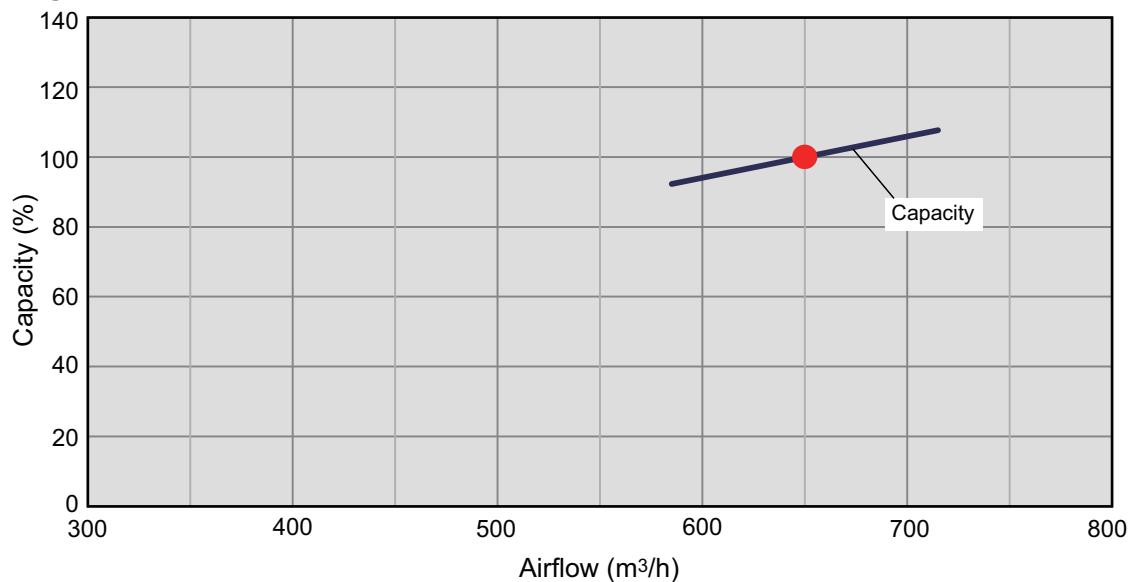
*1: Available airflow rate range when Auto louver grille (option) is installed.

Fan speed: HIGH

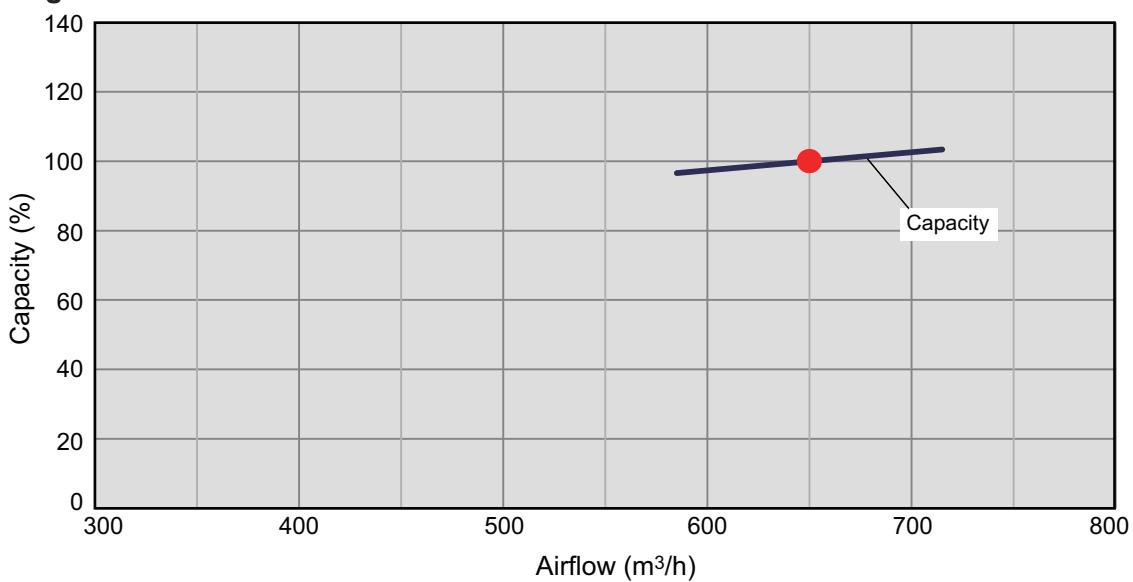
Vertical airflow direction louver: Up

● Characteristics of air volume and capacity

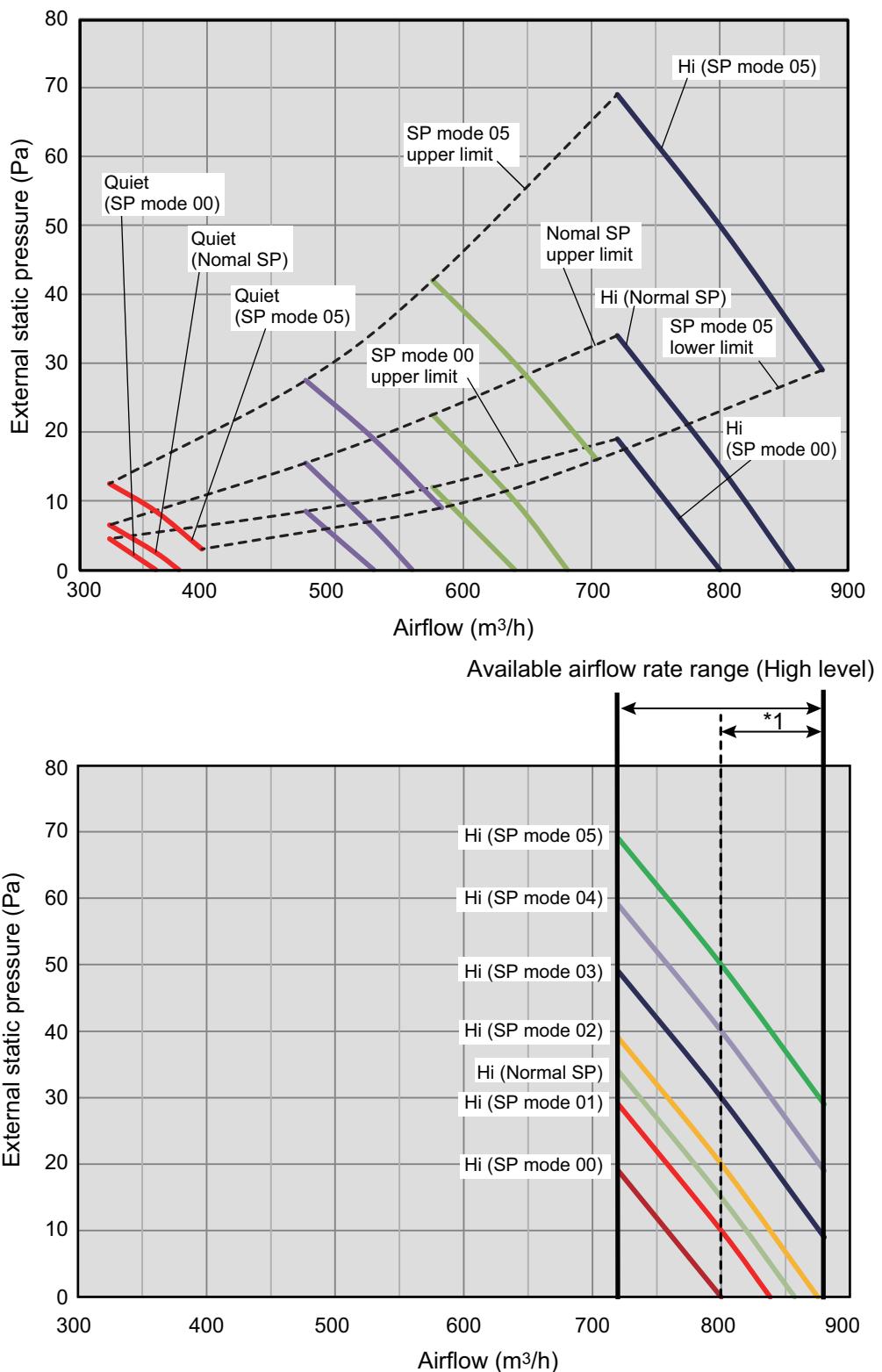
- Cooling



- Heating

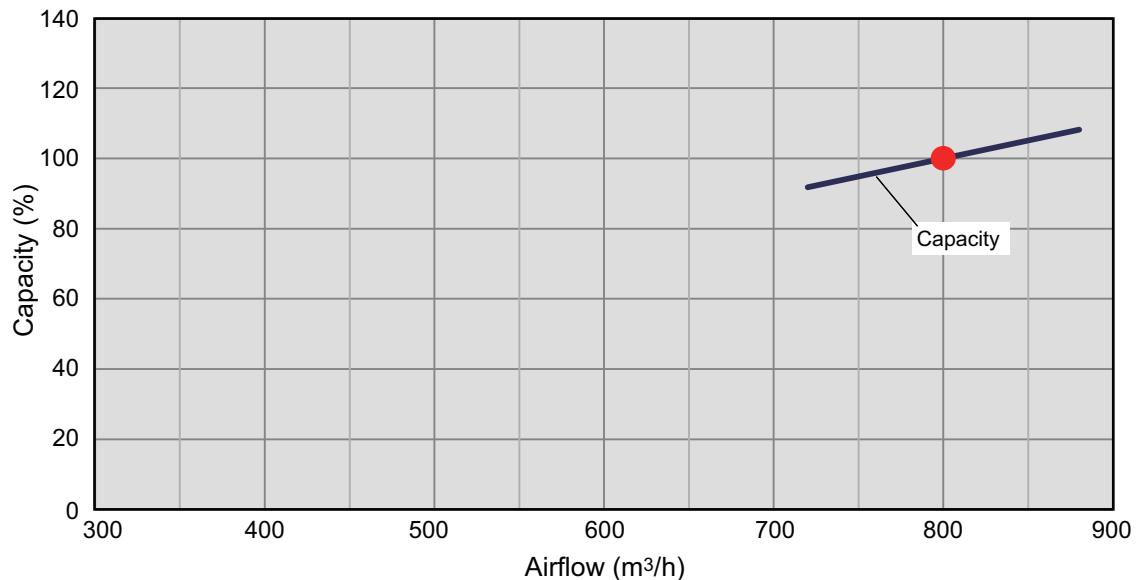


■ Model: ARXG14KSLAP

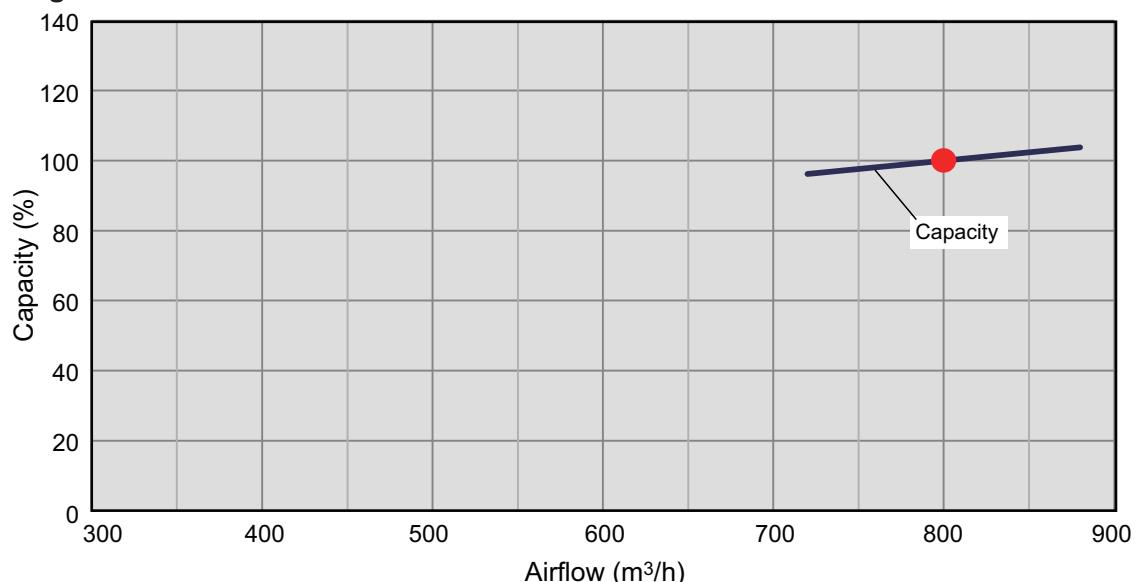


● Characteristics of air volume and capacity

- Cooling

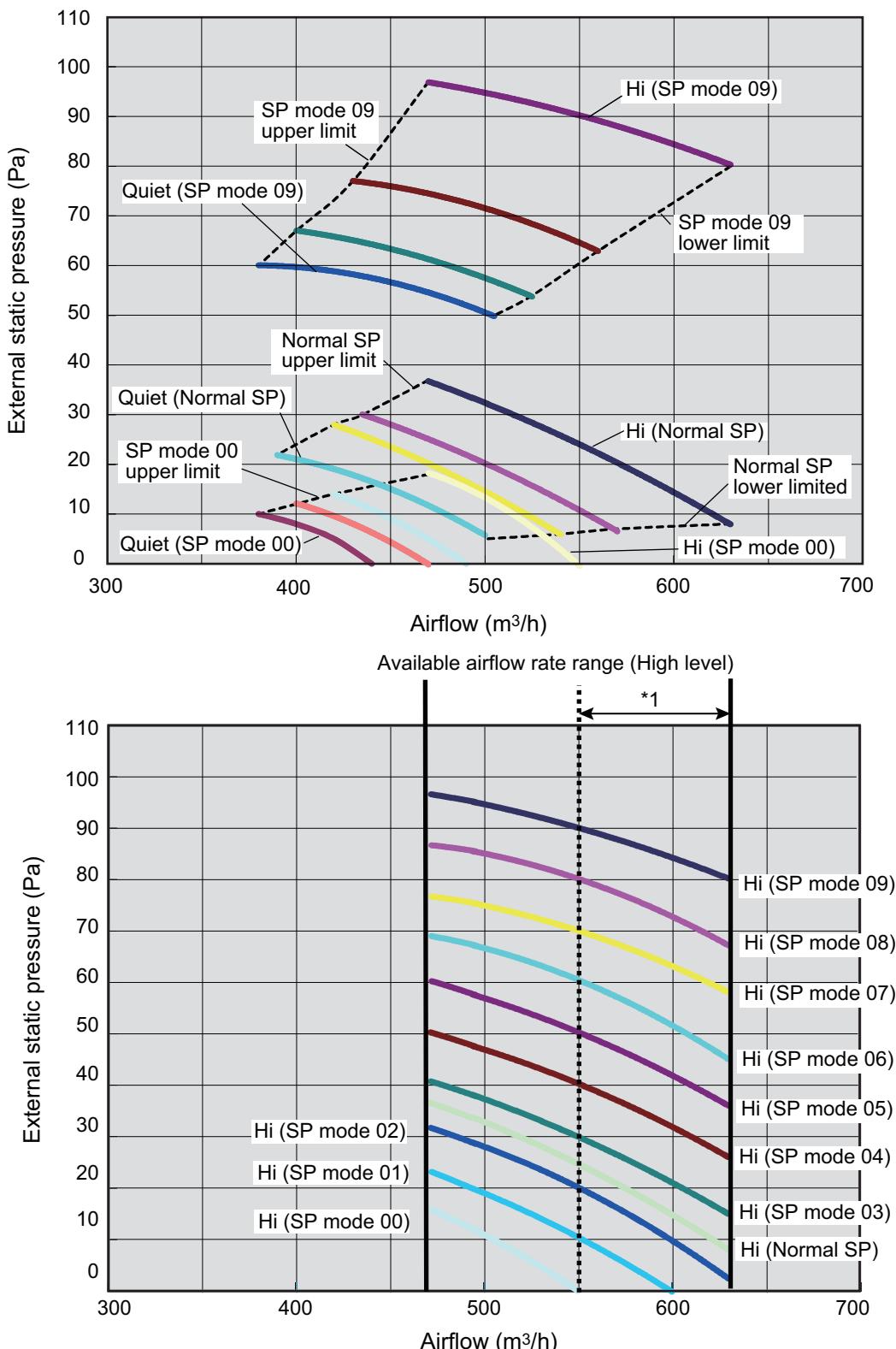


- Heating



6-2. Slim duct type

■ Model: ARXG07KLLAP



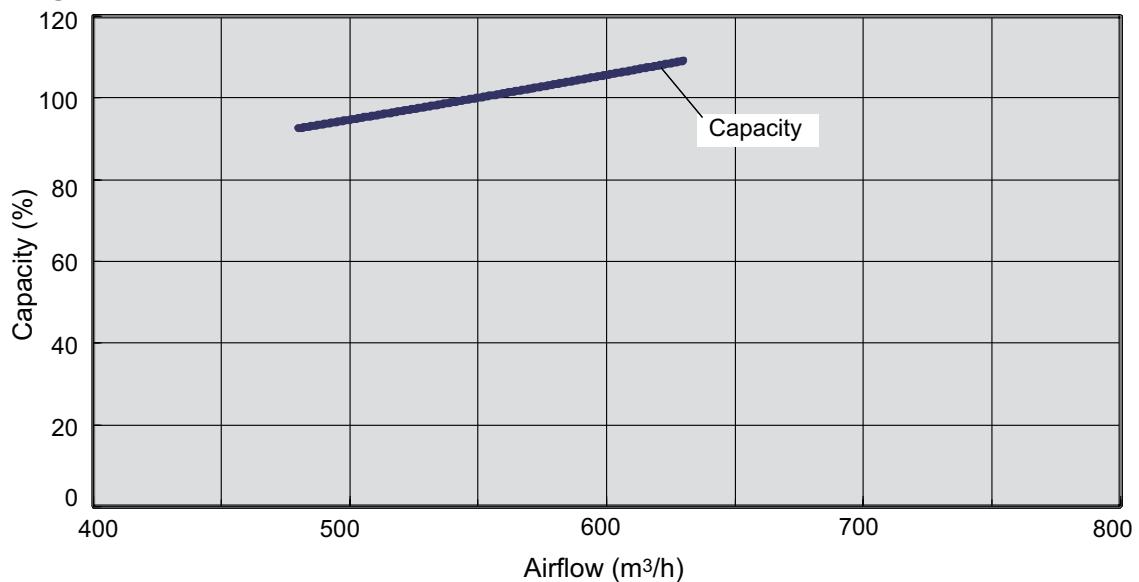
*1: Available airflow rate range when Auto louver grille (option) is installed.

Fan speed: HIGH

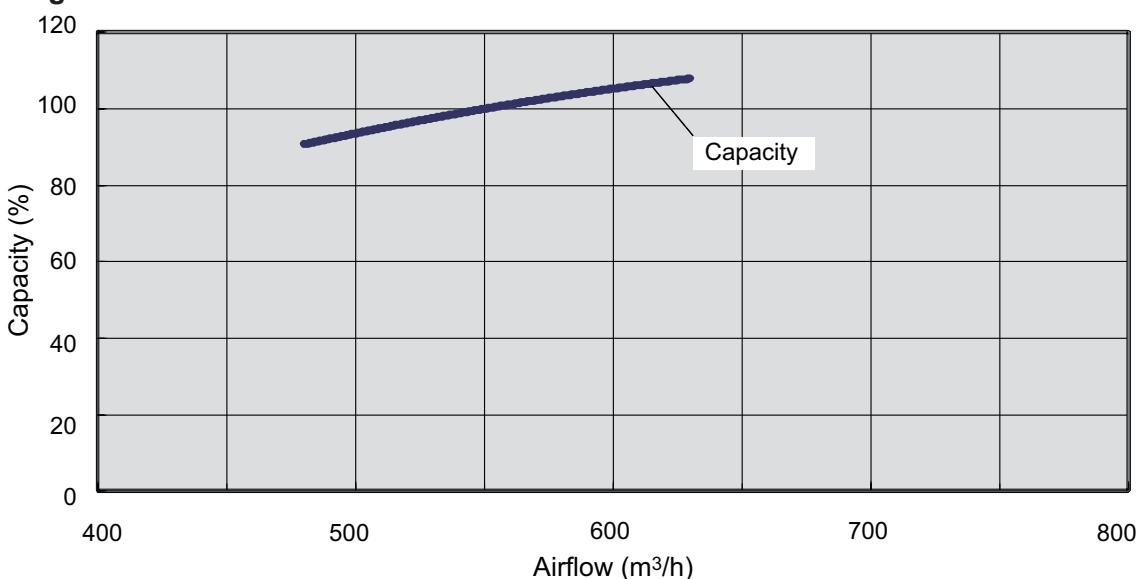
Vertical airflow direction louver: Up

● Characteristics of air volume and capacity

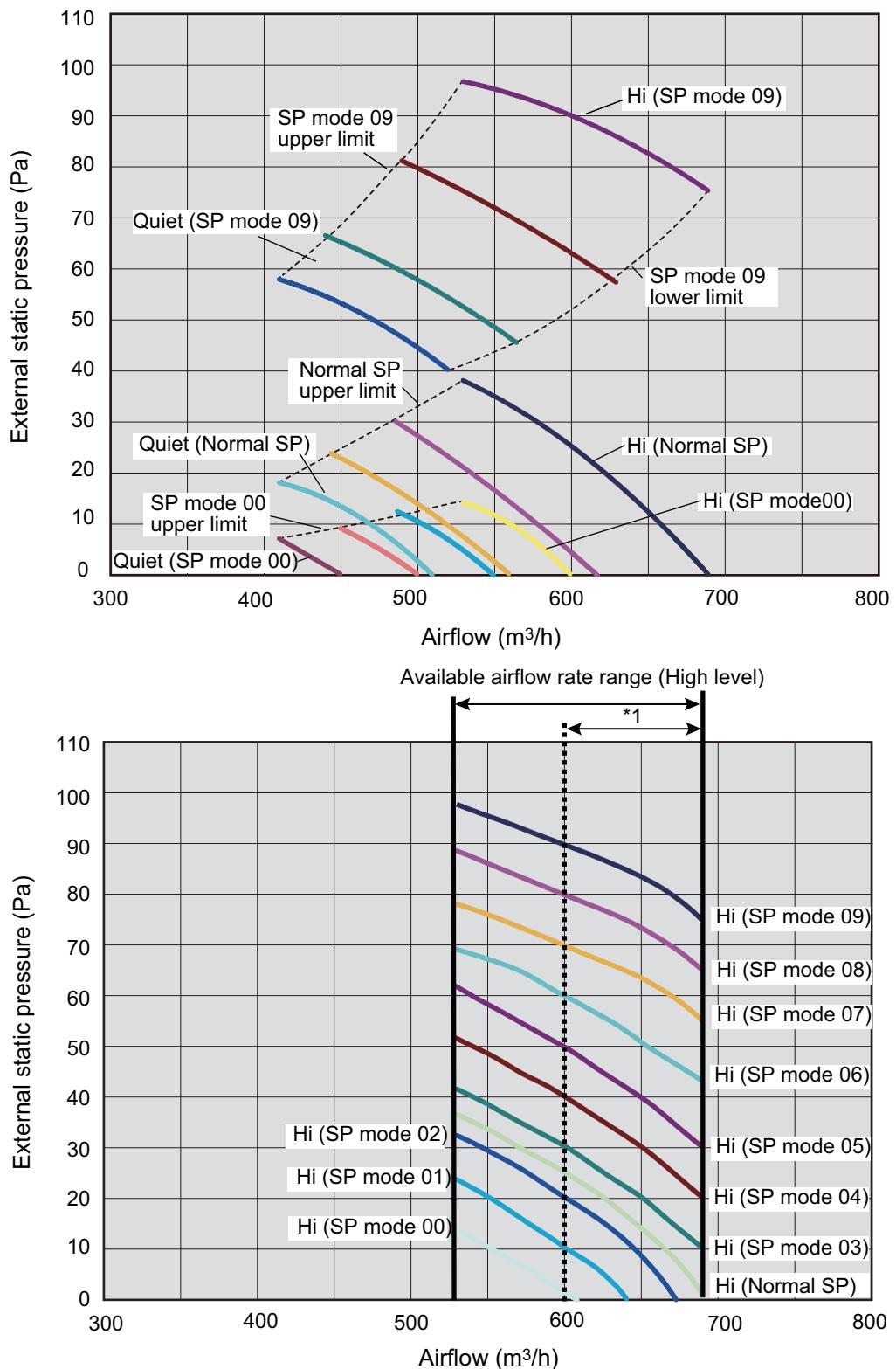
- Cooling



- Heating



■ Model: ARXG09KLLAP



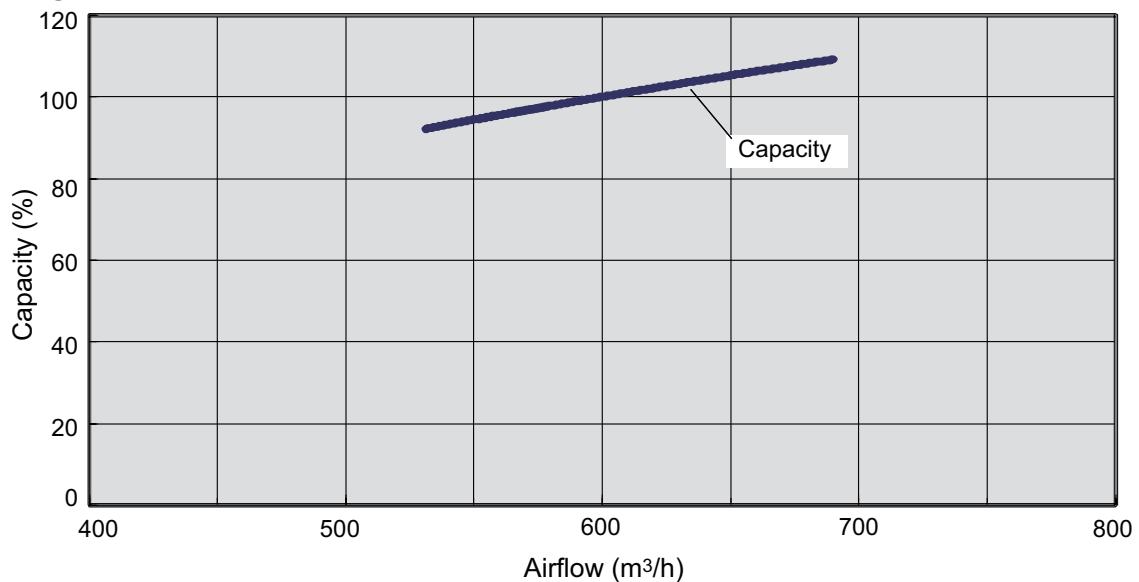
*1: Available airflow rate range when Auto louver grille (option) is installed.

Fan speed: HIGH

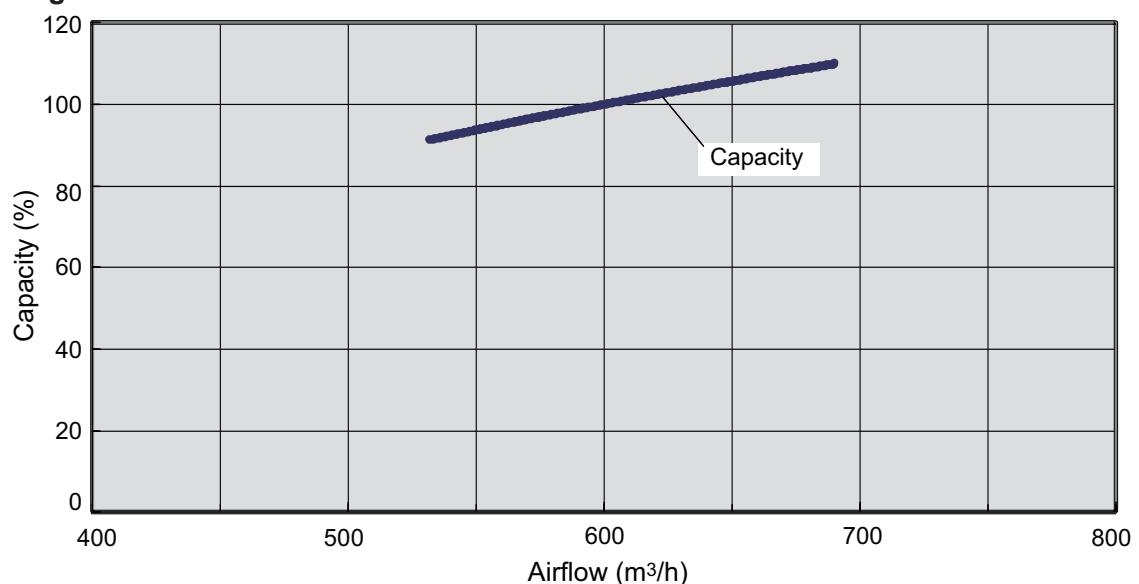
Vertical airflow direction louver: Up

● Characteristics of air volume and capacity

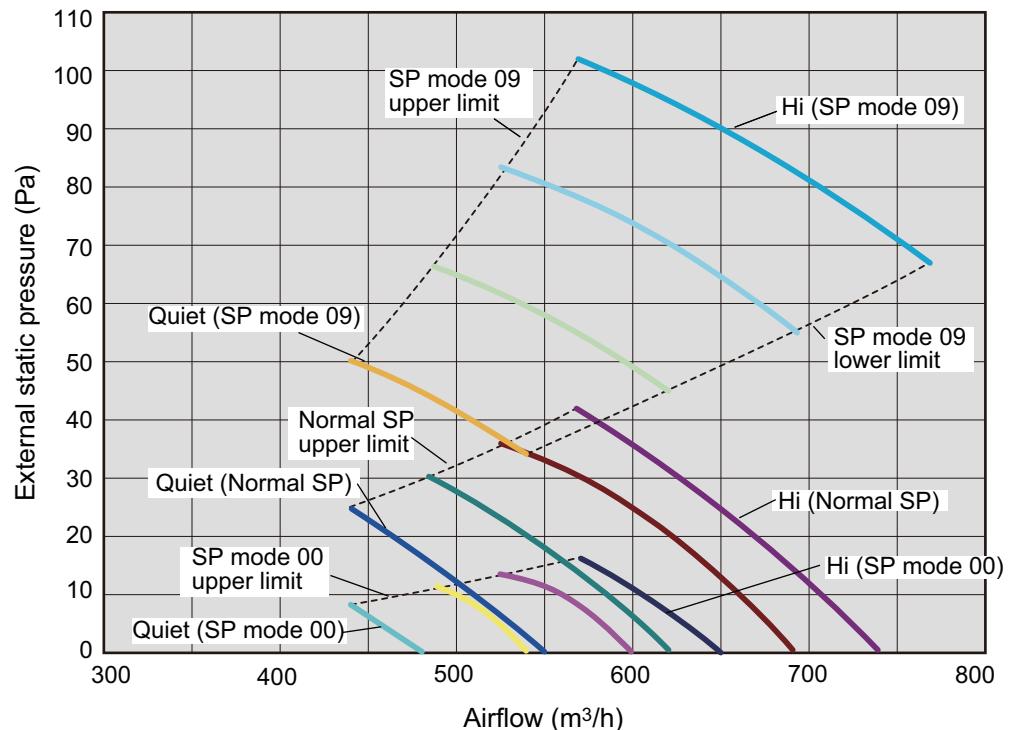
- Cooling



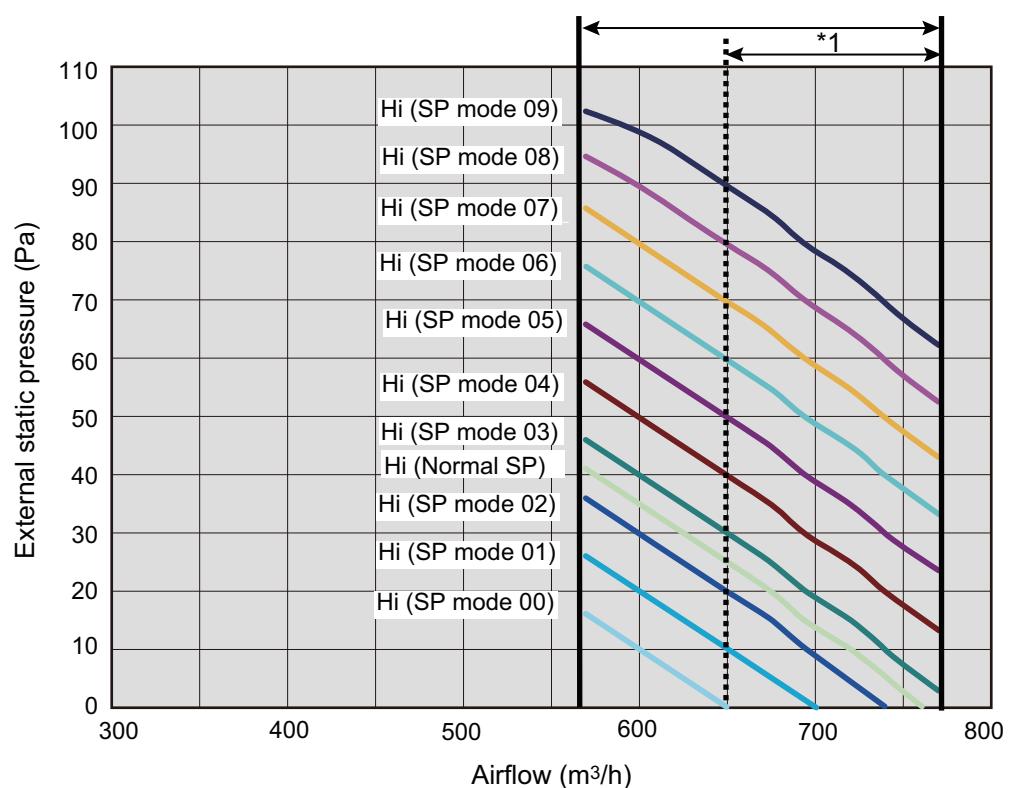
- Heating



■ Model: ARXG12KLLAP



Available airflow rate range (High level)



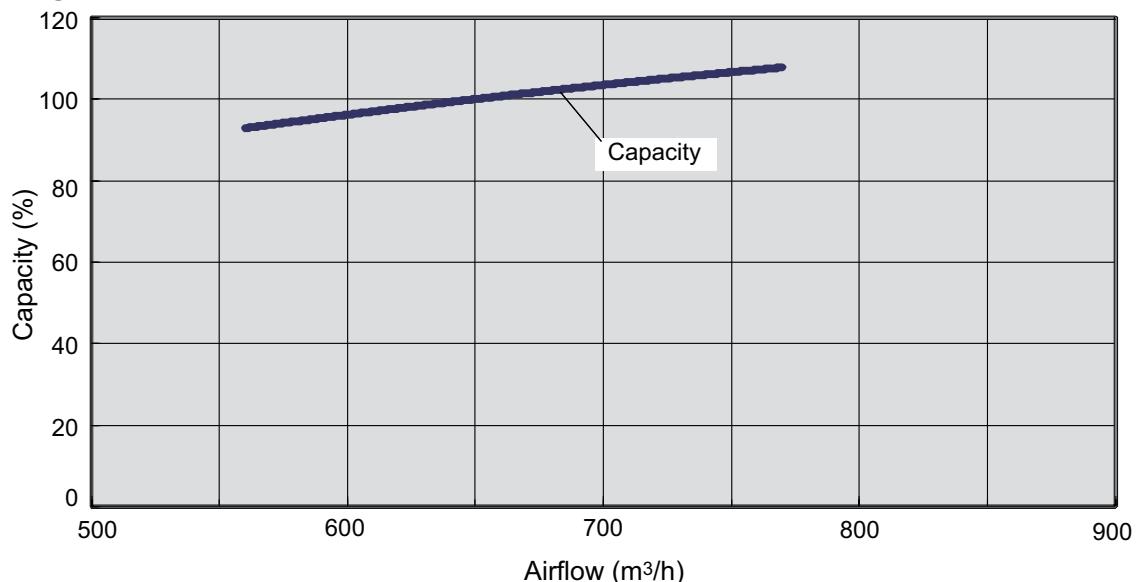
*1: Available airflow rate range when Auto louver grille (option) is installed.

Fan speed: HIGH

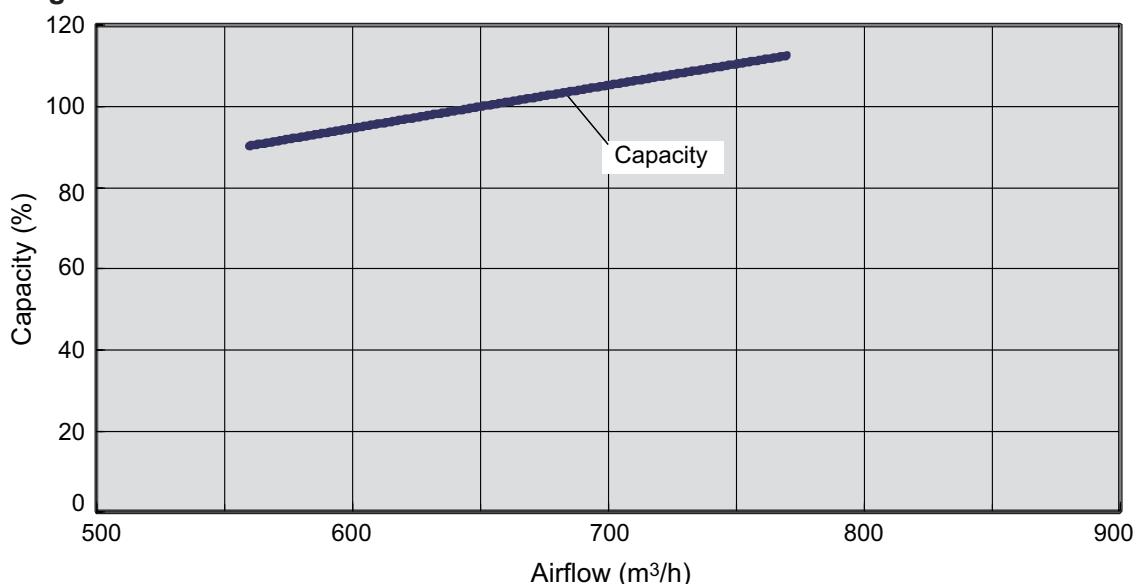
Vertical airflow direction louver: Up

● Characteristics of air volume and capacity

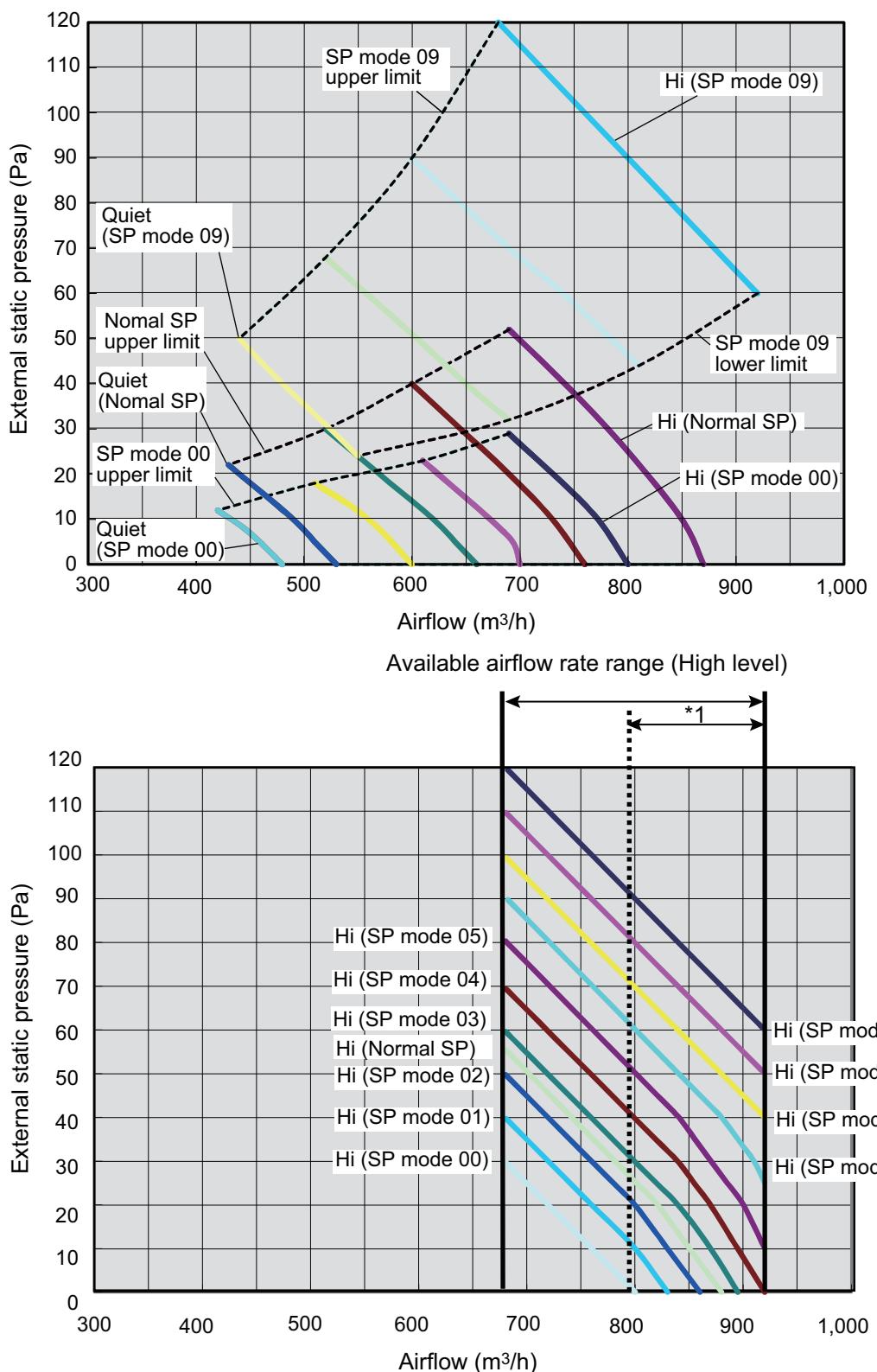
- Cooling



- Heating

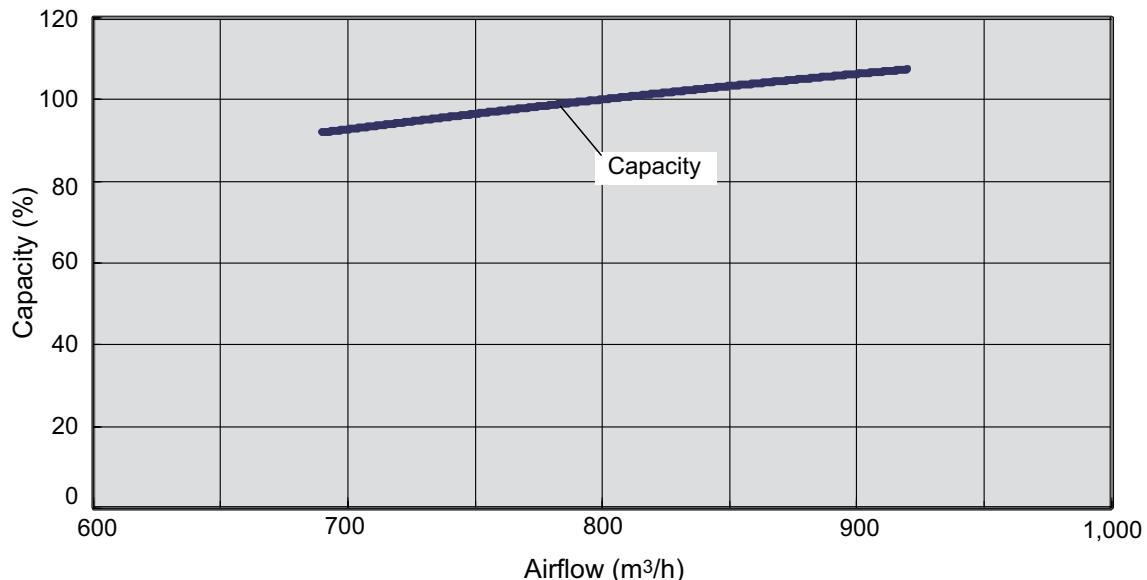


■ Model: ARXG14KLLAP

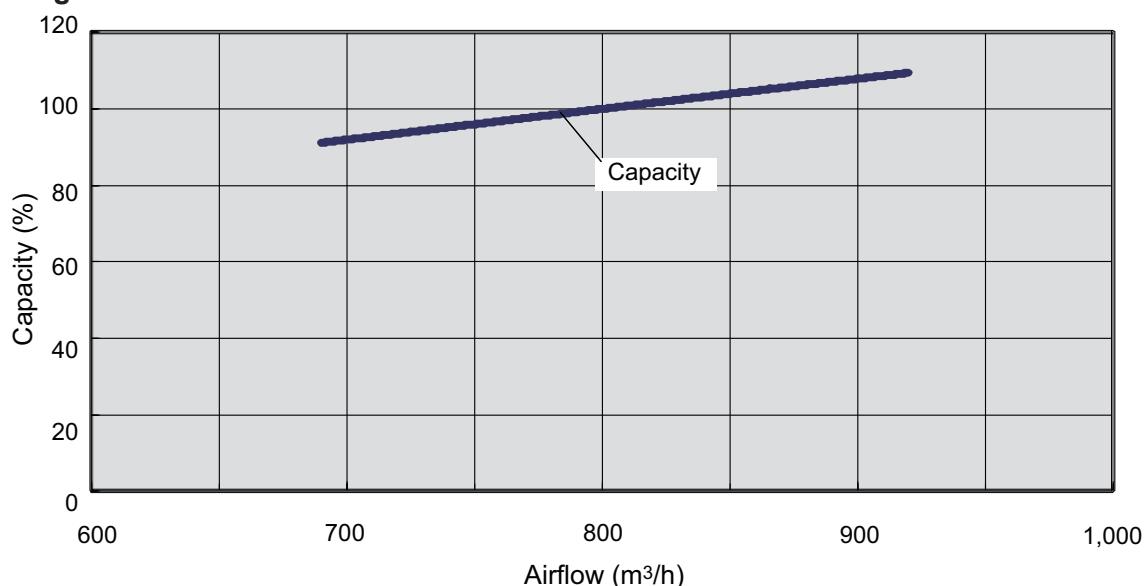


● Characteristics of air volume and capacity

- Cooling



- Heating



7. Airflow

Conversion factor:

- $1 \text{ m}^3/\text{h} = 0.2778 \text{ l/s} = 0.5886 \text{ CFM}$
- $3.6 \text{ m}^3/\text{h} = 1 \text{ l/s}$
- $1.699 \text{ m}^3/\text{h} = 1 \text{ CFM}$

7-1. Compact cassette type

Model	Operation mode	Fan speed	Airflow		
			m^3/h	l/s	CFM
AUXG07KVLA AUXG09KVLA	Cooling	High	540	150	318
		Med	490	136	288
		Low	440	122	259
		Quiet	390	108	230
	Heating	High	540	150	318
		Med	490	136	288
		Low	440	122	259
		Quiet	390	108	230
AUXG12KVLA	Cooling	High	610	169	359
		Med	530	147	312
		Low	470	131	277
		Quiet	410	114	241
	Heating	High	610	169	359
		Med	530	147	312
		Low	470	131	277
		Quiet	410	114	241
AUXG14KVLA	Cooling	High	680	189	400
		Med	580	161	341
		Low	490	136	288
		Quiet	410	114	241
	Heating	High	790	219	465
		Med	680	189	400
		Low	580	161	341
		Quiet	450	125	265

7-2. Mini duct type

Model	Operation mode	Fan speed	Airflow		
			m ³ /h	l/s	CFM
ARXG07KSLAP	Cooling	High	550	153	324
		Med	440	122	259
		Low	390	108	230
		Quiet	360	100	212
	Heating	High	550	153	324
		Med	440	122	259
		Low	390	108	230
		Quiet	360	100	212
ARXG09KSLAP	Cooling	High	600	167	353
		Med	450	125	265
		Low	400	111	235
		Quiet	360	100	212
	Heating	High	600	167	353
		Med	450	125	265
		Low	400	111	235
		Quiet	360	100	212
ARXG12KSLAP	Cooling	High	650	181	383
		Med	490	136	288
		Low	430	119	253
		Quiet	360	100	212
	Heating	High	650	181	383
		Med	490	136	288
		Low	430	119	253
		Quiet	360	100	212
ARXG14KSLAP	Cooling	High	800	222	471
		Med	640	178	377
		Low	530	147	312
		Quiet	360	100	212
	Heating	High	800	222	471
		Med	640	178	377
		Low	530	147	312
		Quiet	360	100	212

7-3. Slim duct type

Model	Operation mode	Fan speed	Airflow		
			m ³ /h	l/s	CFM
ARXG07KLLAP	Cooling	High	550	153	324
		Med	490	136	288
		Low	470	131	277
		Quiet	440	122	259
	Heating	High	550	153	324
		Med	490	136	288
		Low	470	131	277
		Quiet	440	122	259
ARXG09KLLAP	Cooling	High	600	167	353
		Med	550	153	324
		Low	500	139	294
		Quiet	450	125	265
	Heating	High	600	167	353
		Med	550	153	324
		Low	500	139	294
		Quiet	450	125	265
ARXG12KLLAP	Cooling	High	650	181	383
		Med	600	167	353
		Low	550	153	324
		Quiet	480	133	283
	Heating	High	650	181	383
		Med	600	167	353
		Low	550	153	324
		Quiet	480	133	283
ARXG14KLLAP	Cooling	High	800	222	471
		Med	700	194	412
		Low	600	167	353
		Quiet	480	133	283
	Heating	High	800	222	471
		Med	700	194	412
		Low	600	167	353
		Quiet	480	133	283

7-4. Wall mounted type

Model	Operation mode	Fan speed	Airflow		
			m ³ /h	l/s	CFM
ASYG07KGTB	Cooling	High	650	181	383
		Med	540	150	318
		Low	430	119	253
		Quiet	270	75	159
	Heating	High	720	200	424
		Med	580	161	341
		Low	460	128	271
		Quiet	330	92	194
ASYG09KGTB	Cooling	High	700	194	412
		Med	560	156	330
		Low	430	119	253
		Quiet	270	75	159
	Heating	High	750	208	441
		Med	610	169	359
		Low	470	131	277
		Quiet	330	92	194
ASYG12KGTB	Cooling	High	700	194	412
		Med	560	156	330
		Low	430	119	253
		Quiet	270	75	159
	Heating	High	770	214	453
		Med	640	178	377
		Low	520	144	306
		Quiet	330	92	194
ASYG14KGTB	Cooling	High	770	214	453
		Med	600	167	353
		Low	450	125	265
		Quiet	280	78	165
	Heating	High	800	222	471
		Med	660	183	388
		Low	520	144	306
		Quiet	340	94	200
ASYG07KMTB	Cooling	High	650	181	383
		Med	540	150	318
		Low	430	119	253
		Quiet	270	75	159
	Heating	High	720	200	424
		Med	580	161	341
		Low	460	128	271
		Quiet	330	92	194
ASYG09KMTB	Cooling	High	700	194	412
		Med	560	156	330
		Low	430	119	253
		Quiet	270	75	159
	Heating	High	750	208	441
		Med	610	169	359
		Low	470	131	277
		Quiet	330	92	194

Model	Operation mode	Fan speed	Airflow		
			m ³ /h	l/s	CFM
ASYG12KMTB	Cooling	High	700	194	412
		Med	560	156	330
		Low	430	119	253
		Quiet	270	75	159
	Heating	High	770	214	453
		Med	640	178	377
		Low	520	144	306
		Quiet	330	92	194
ASYG14KMTB	Cooling	High	770	214	453
		Med	600	167	353
		Low	450	125	265
		Quiet	280	78	165
	Heating	High	800	222	471
		Med	660	183	388
		Low	520	144	306
		Quiet	340	94	200
ASYG07KMCC	Cooling	High	650	181	383
		Med	540	150	318
		Low	430	119	253
		Quiet	320	89	188
	Heating	High	720	200	424
		Med	580	161	341
		Low	460	128	271
		Quiet	330	92	194
ASYG09KMCC	Cooling	High	700	194	412
		Med	560	156	330
		Low	430	119	253
		Quiet	320	89	188
	Heating	High	750	208	441
		Med	610	169	359
		Low	470	131	277
		Quiet	330	92	194
ASYG12KMCC	Cooling	High	700	194	412
		Med	560	156	330
		Low	430	119	253
		Quiet	320	89	188
	Heating	High	780	217	459
		Med	640	178	377
		Low	520	144	306
		Quiet	330	92	194
ASYG14KMCC	Cooling	High	770	214	453
		Med	600	167	353
		Low	450	125	265
		Quiet	310	86	182
	Heating	High	820	228	483
		Med	660	183	388
		Low	520	144	306
		Quiet	340	94	200

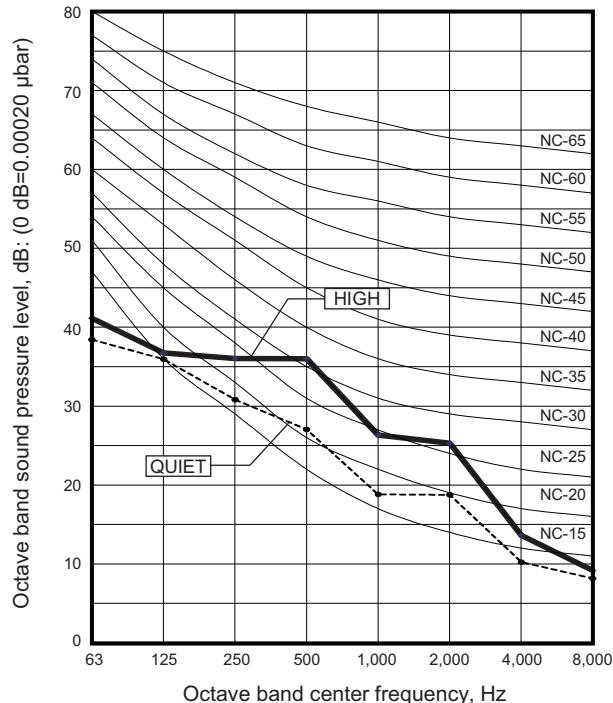
Model	Operation mode	Fan speed	Airflow		
			m ³ /h	l/s	CFM
ASYG07KETA ASYG07KETA-B	Cooling	High	650	181	383
		Med	540	150	318
		Low	430	119	253
		Quiet	270	75	159
	Heating	High	720	200	424
		Med	580	161	341
		Low	460	128	271
		Quiet	330	92	194
ASYG09KETA ASYG09KETA-B	Cooling	High	700	194	412
		Med	560	156	330
		Low	430	119	253
		Quiet	270	75	159
	Heating	High	750	208	441
		Med	610	169	359
		Low	470	131	277
		Quiet	330	92	194
ASYG12KETA ASYG12KETA-B	Cooling	High	700	194	412
		Med	560	156	330
		Low	430	119	253
		Quiet	270	75	159
	Heating	High	770	214	453
		Med	640	178	377
		Low	520	144	306
		Quiet	330	92	194
ASYG14KETA ASYG14KETA-B	Cooling	High	770	214	453
		Med	600	167	353
		Low	450	125	265
		Quiet	280	78	165
	Heating	High	800	222	471
		Med	660	183	388
		Low	520	144	306
		Quiet	340	94	200

8. Noise level curve

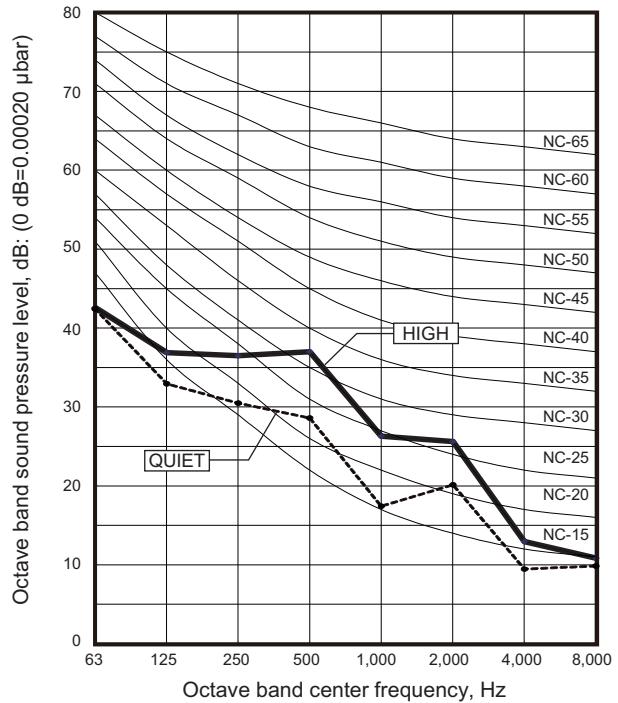
8-1. Compact cassette type

■ Model: AUXG07KVLA

● Cooling

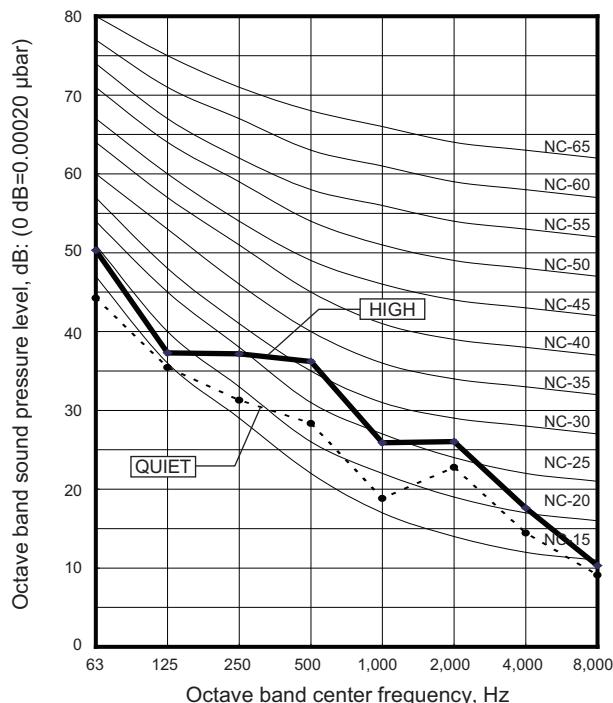


● Heating

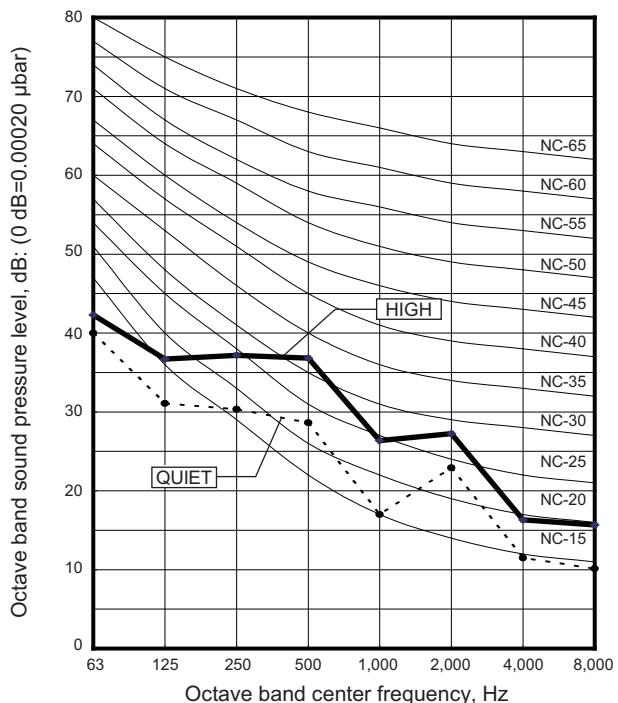


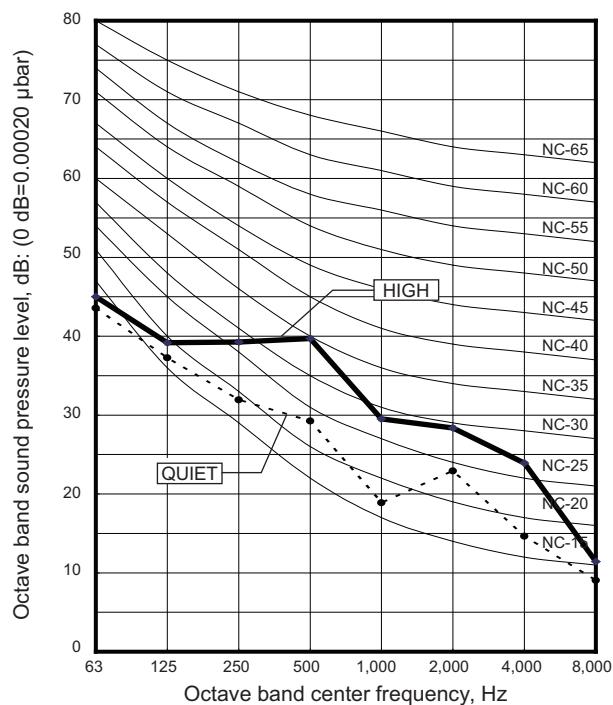
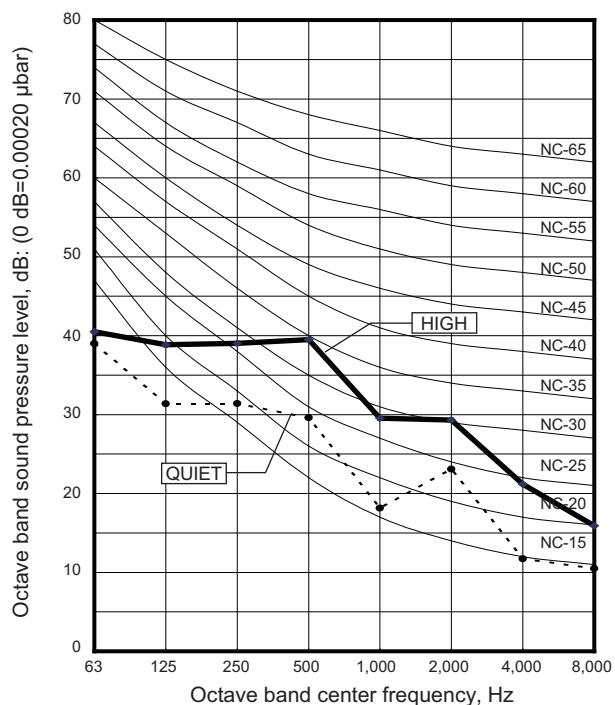
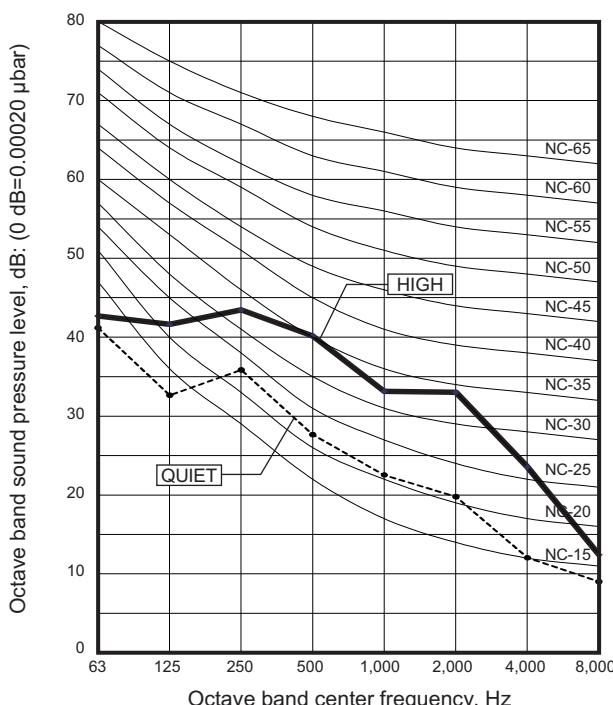
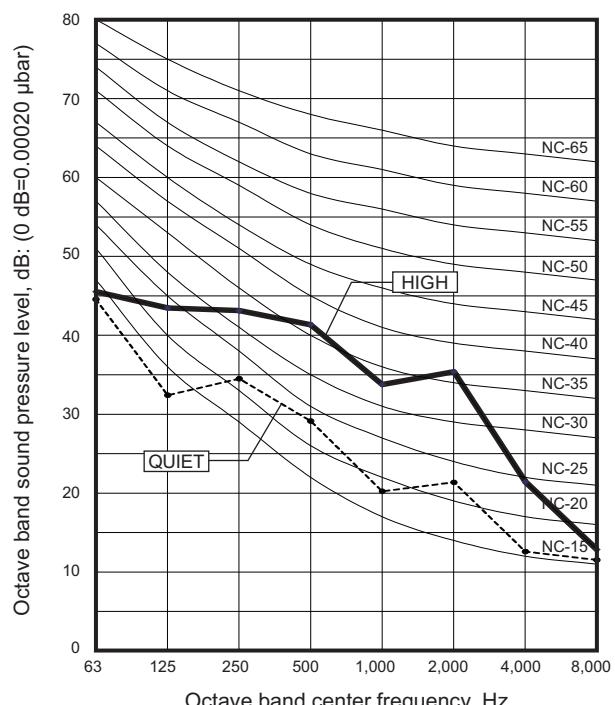
■ Model: AUXG09KVLA

● Cooling



● Heating

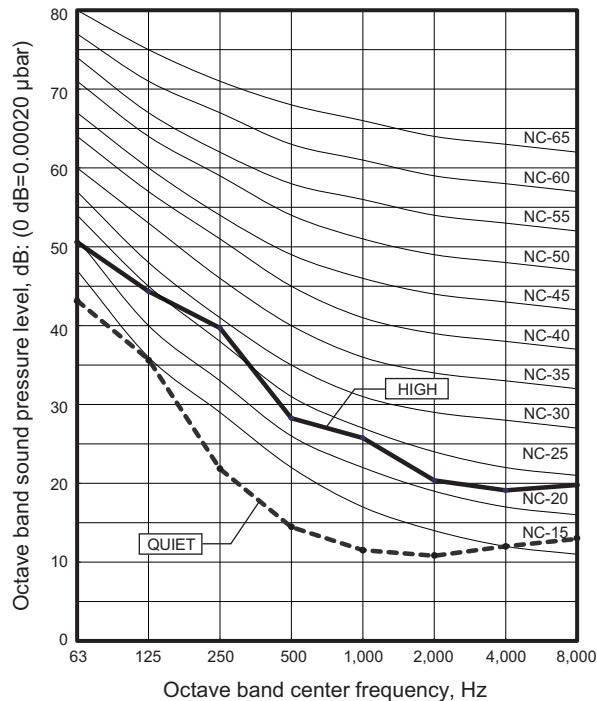


■ Model: AUXG12KVLA**● Cooling****● Heating****■ Model: AUXG14KVLA****● Cooling****● Heating**

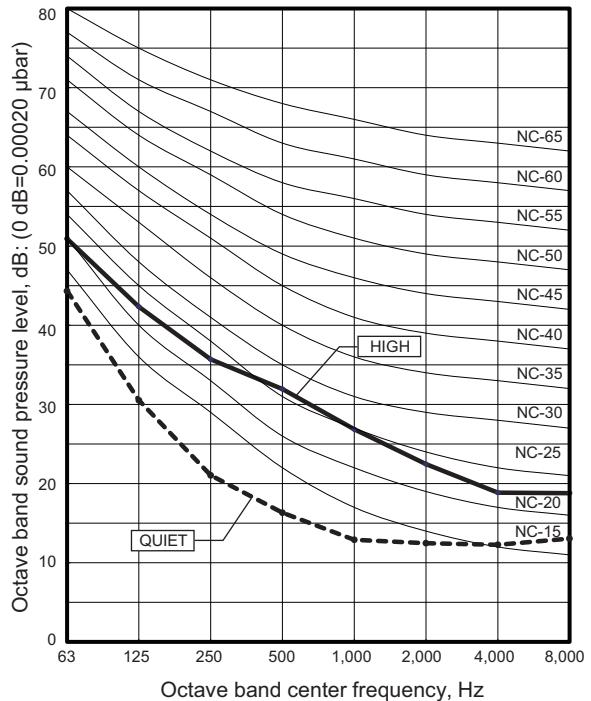
8-2. Mini duct type

■ Model: ARXG07KSLAP

● Cooling

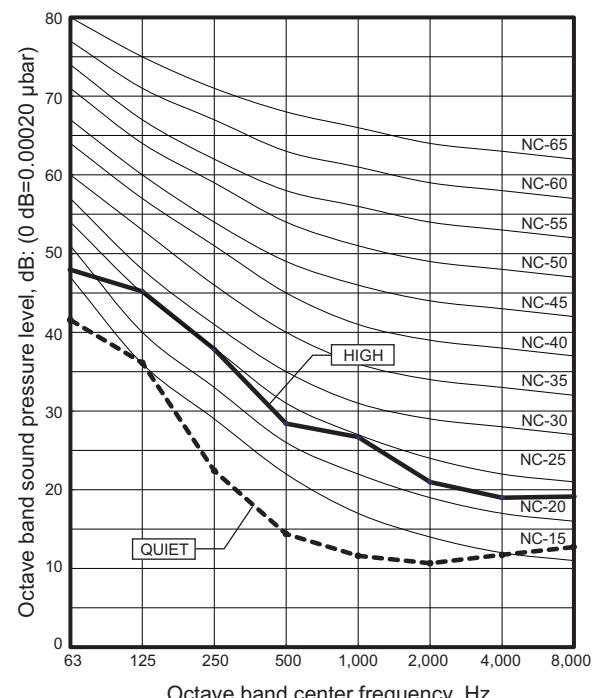


● Heating

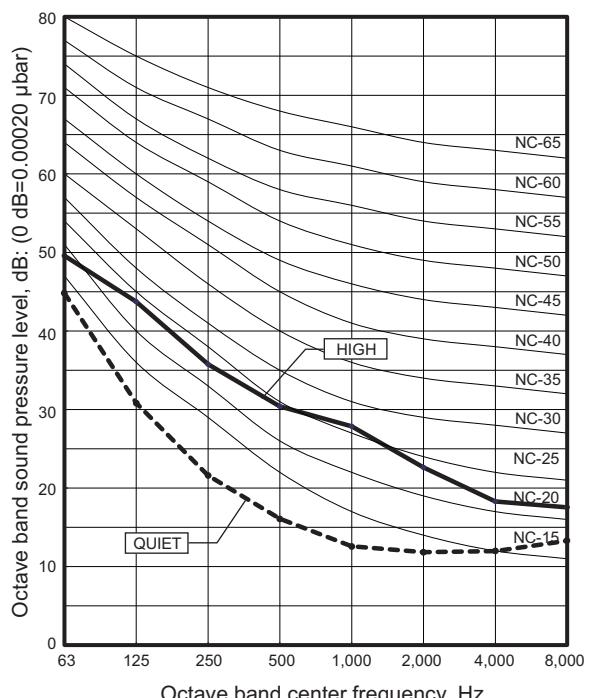


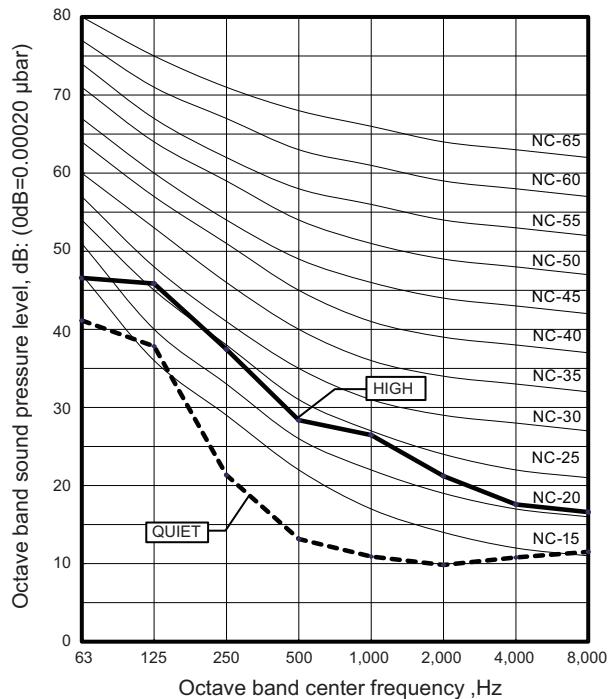
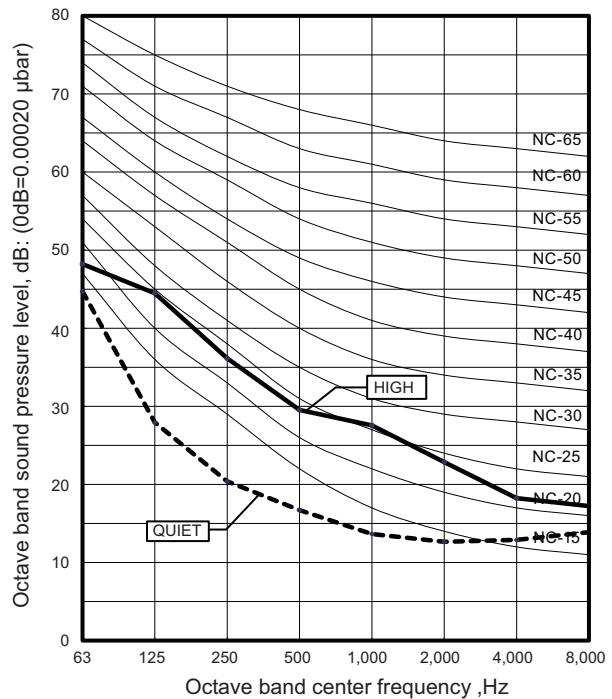
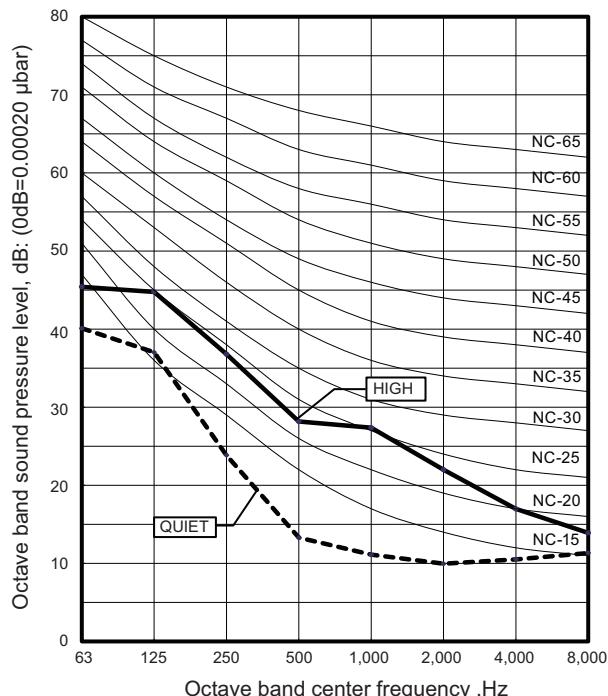
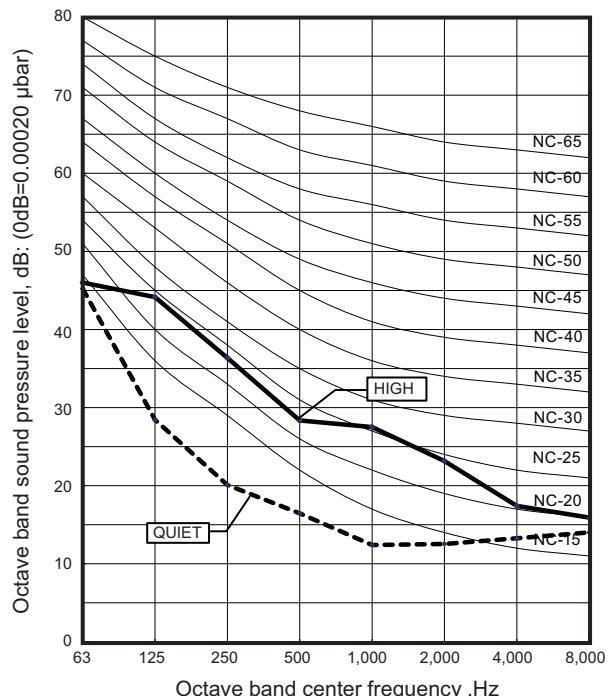
■ Model: ARXG09KSLAP

● Cooling



● Heating

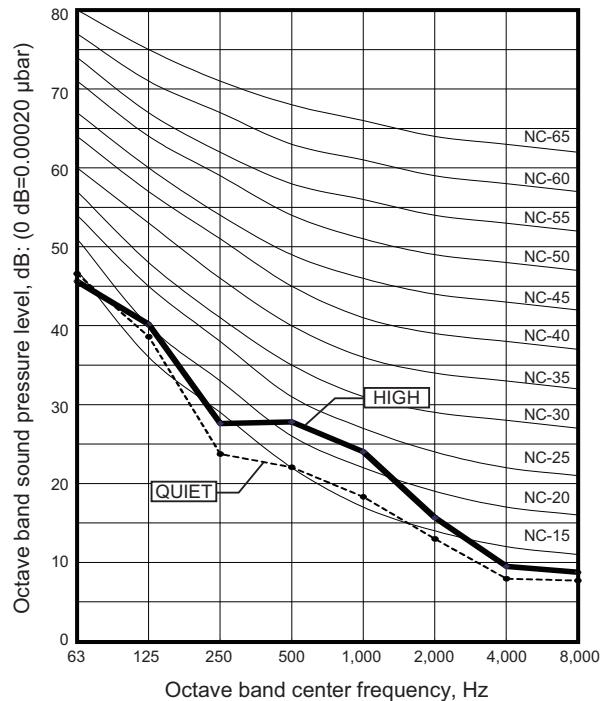


■ Model: ARXG12KSLAP**● Cooling****● Heating****■ Model: ARXG14KSLAP****● Cooling****● Heating**

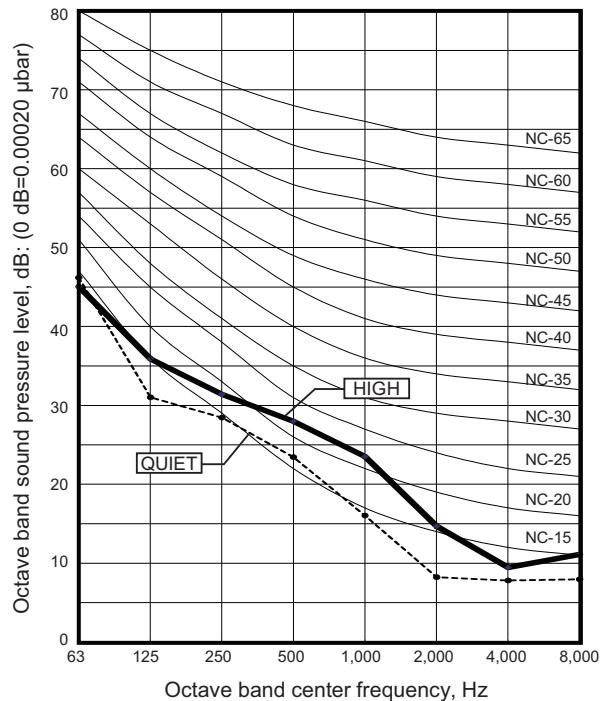
8-3. Slim duct type

■ Model: ARXG07KLLAP

● Cooling

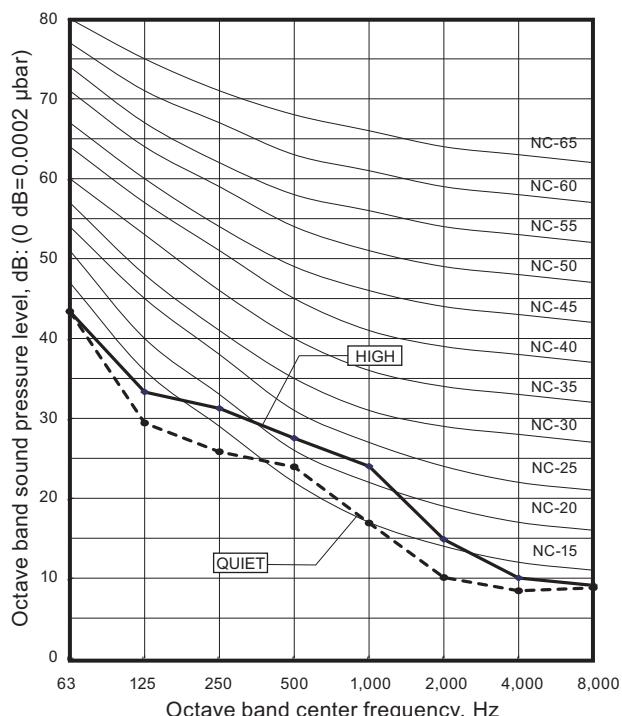


● Heating

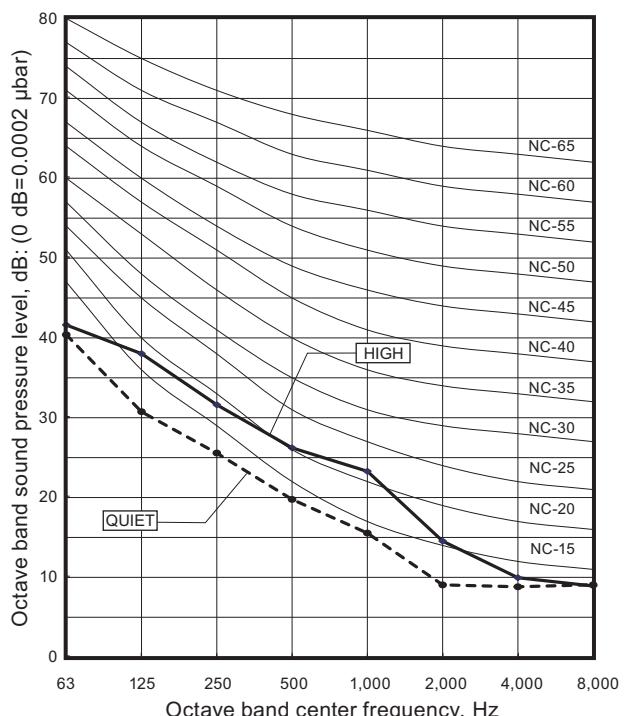


■ Model: ARXG09KLLAP

● Cooling

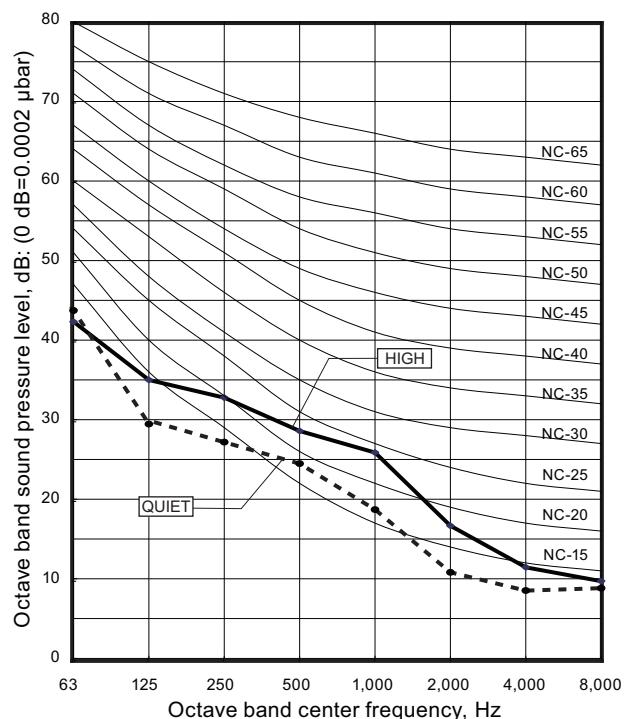


● Heating

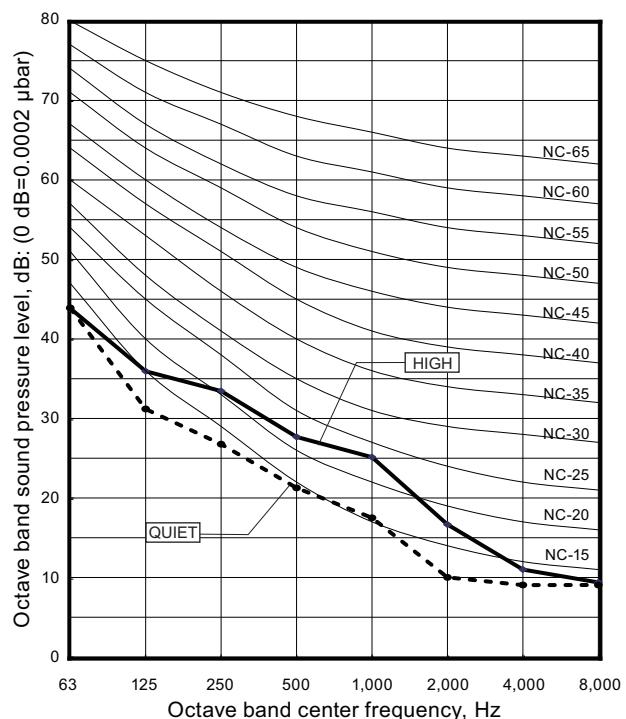


■ Model: ARXG12KLLAP

● Cooling

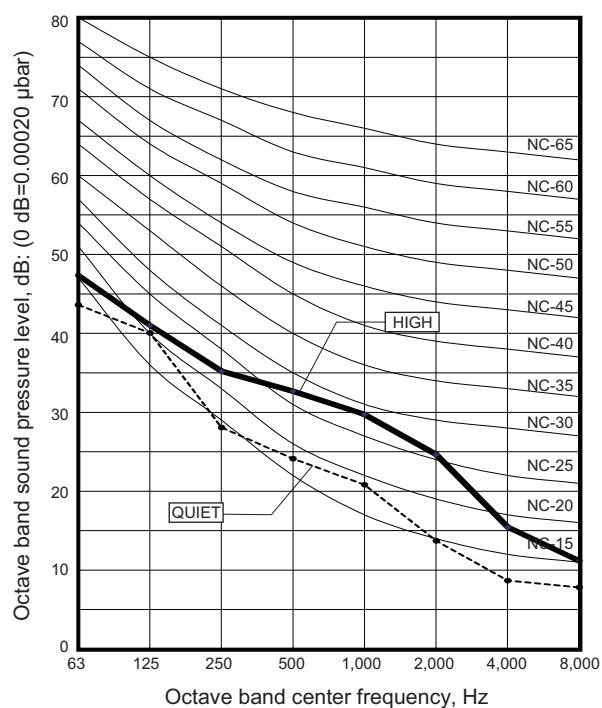


● Heating

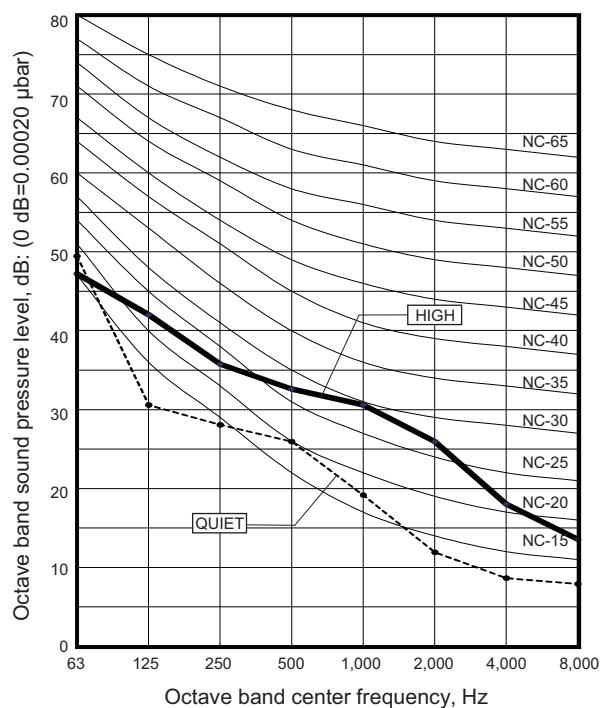


■ Model: ARXG14KLLAP

● Cooling



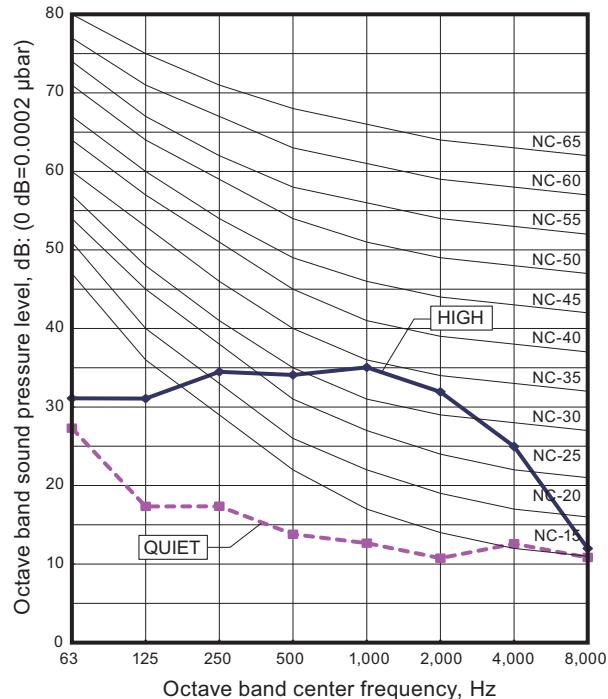
● Heating



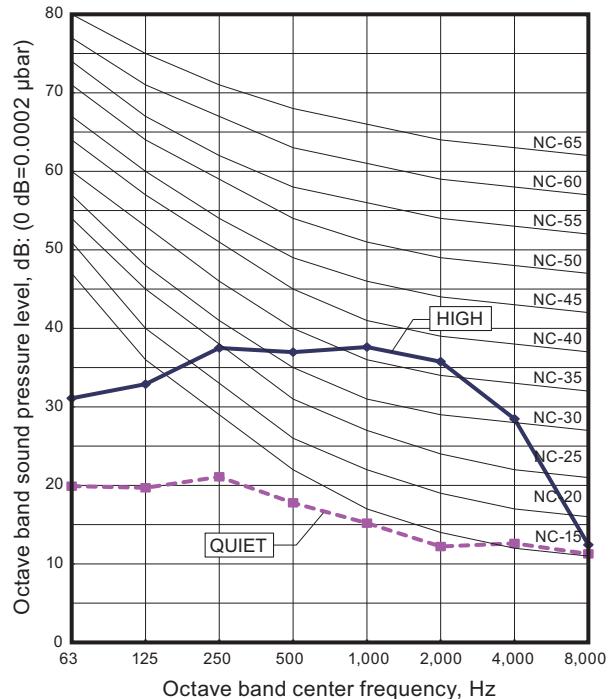
8-4. Wall mounted type

■ Model: ASYG07KGTB

● Cooling

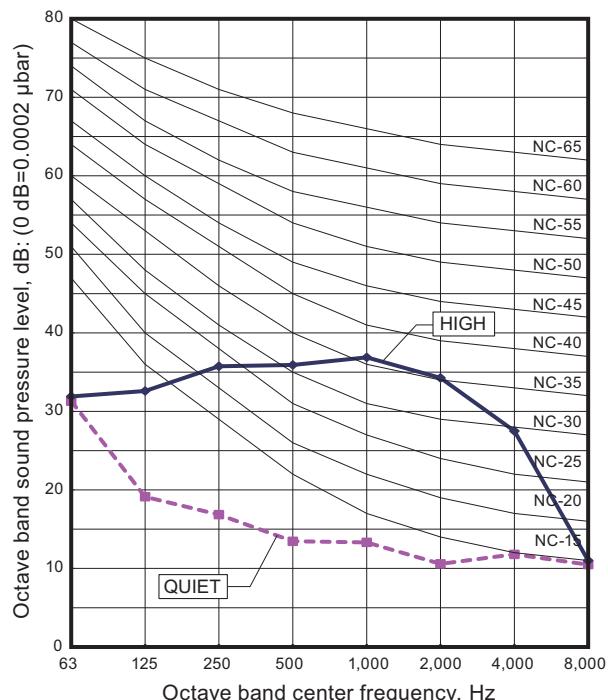


● Heating

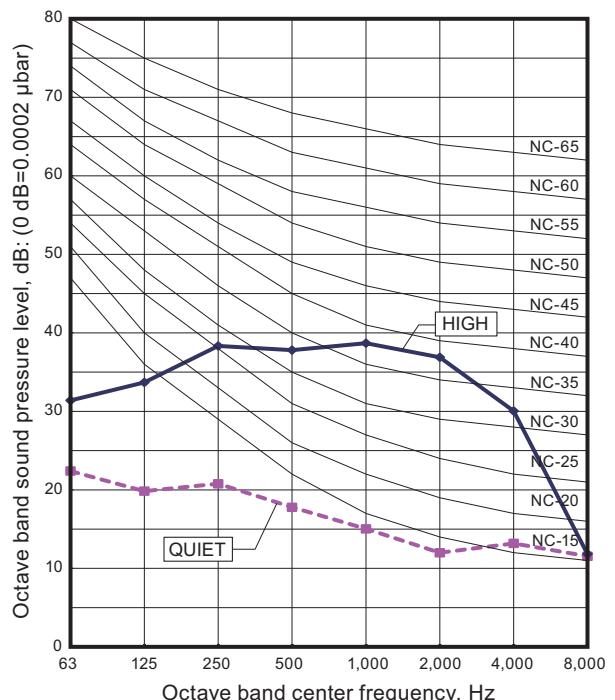


■ Model: ASYG09KGTB

● Cooling

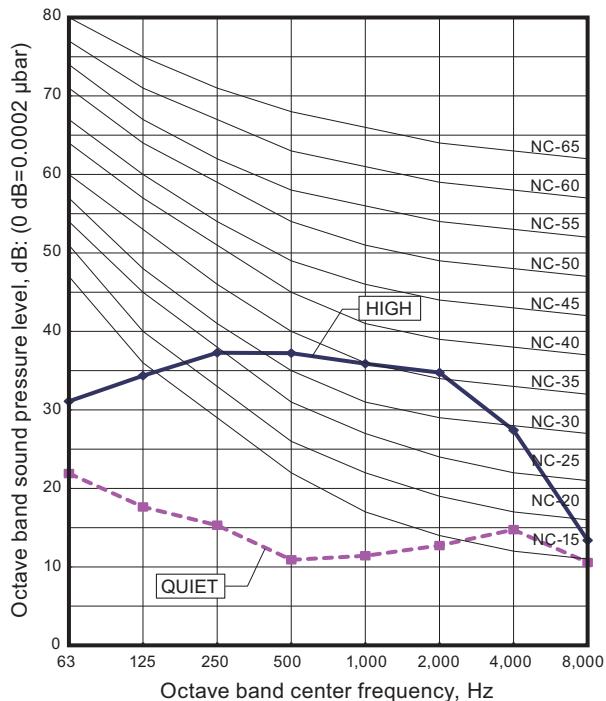


● Heating

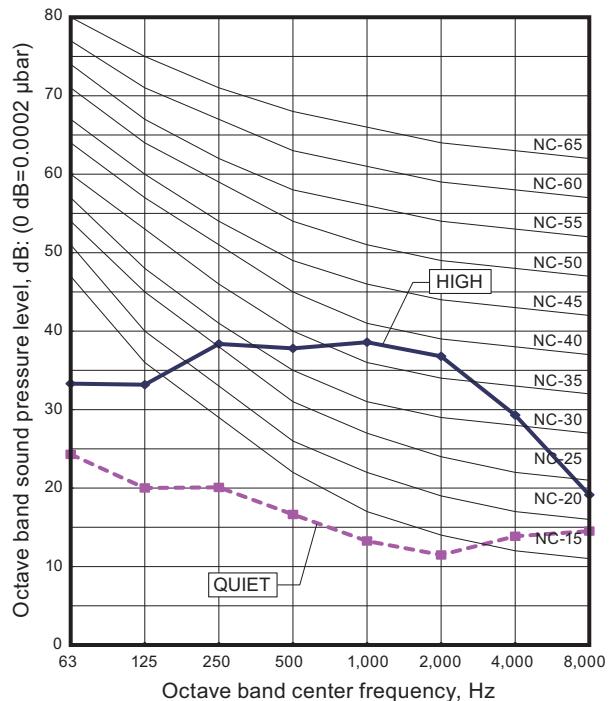


■ Model: ASYG12KGTB

● Cooling

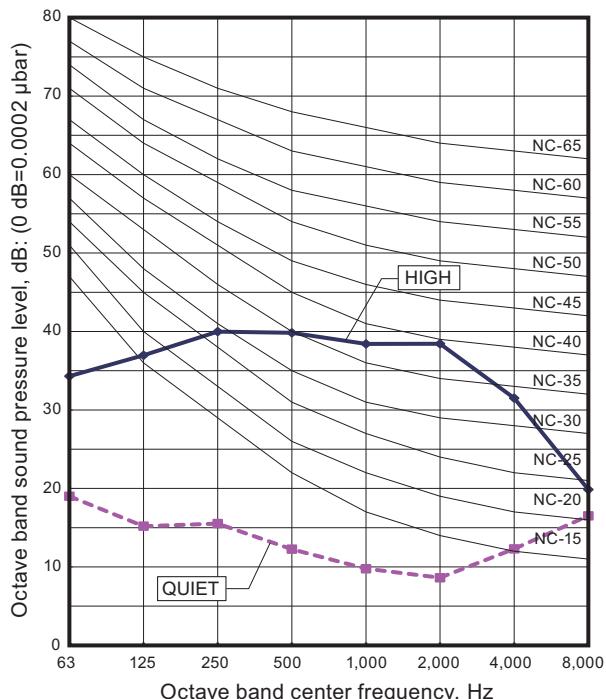


● Heating

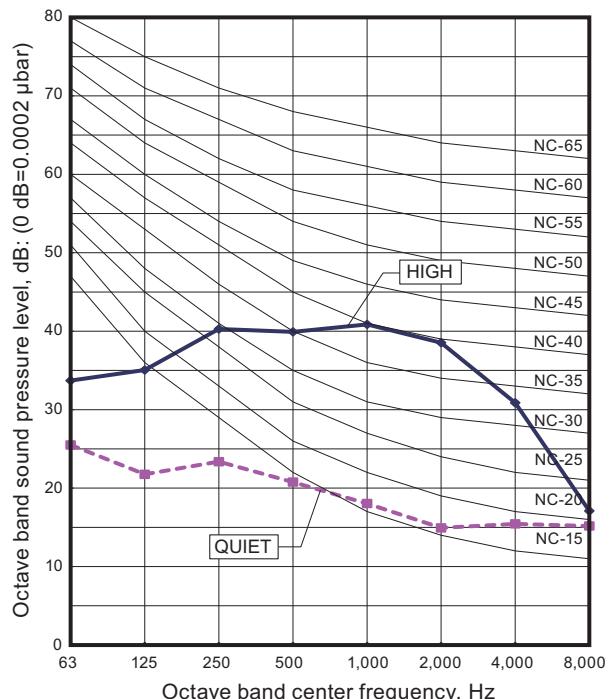


■ Model: ASYG14KGTB

● Cooling

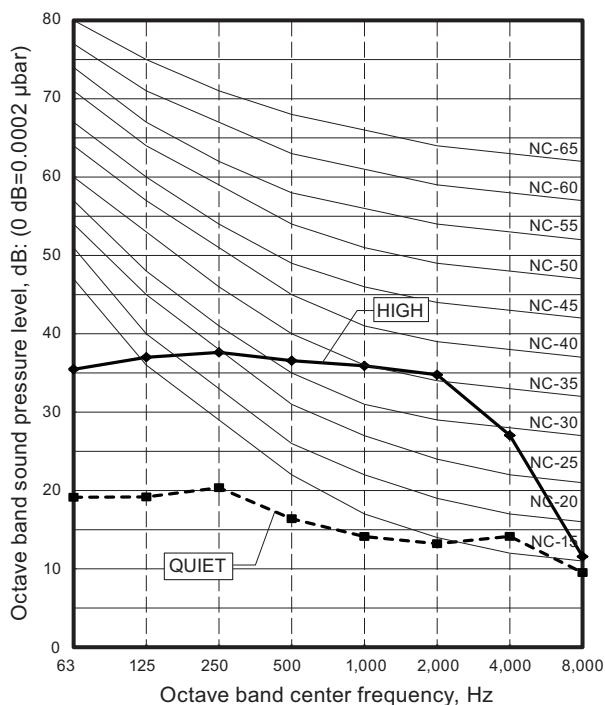


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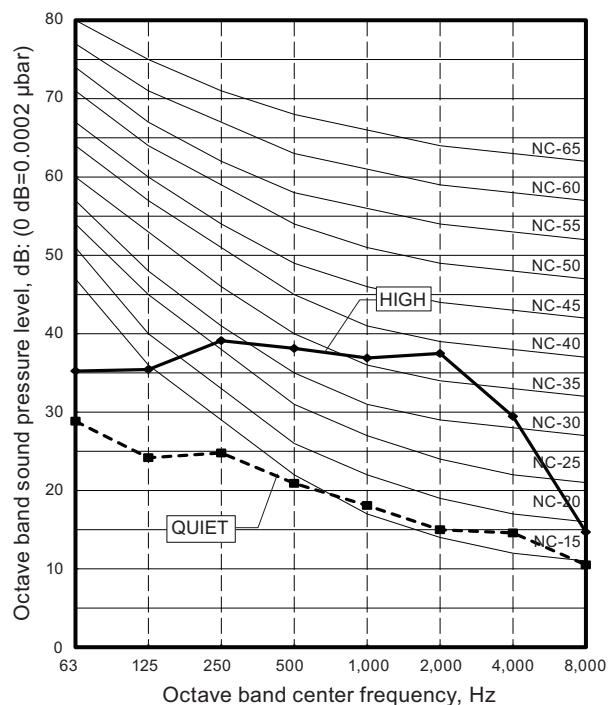


■ Models: ASYG07KMTB, ASYG07KMCC, ASYG07KETA, and ASYG07KETA-B

● Cooling

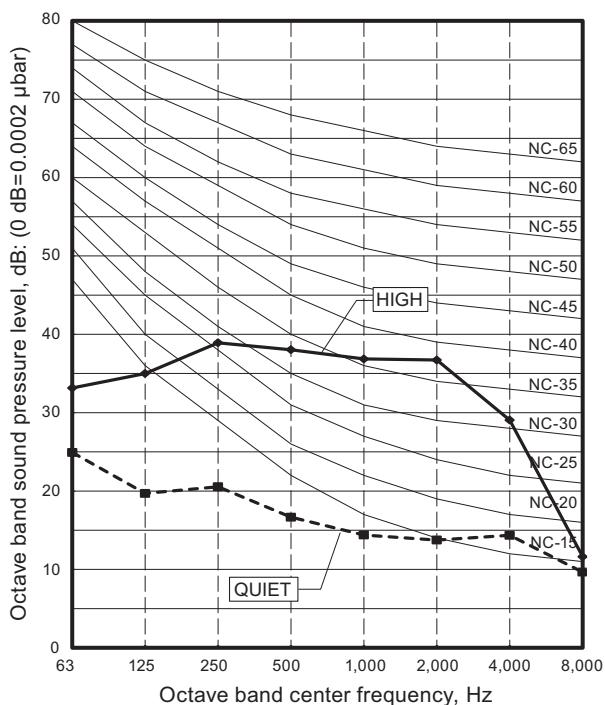


● Heating

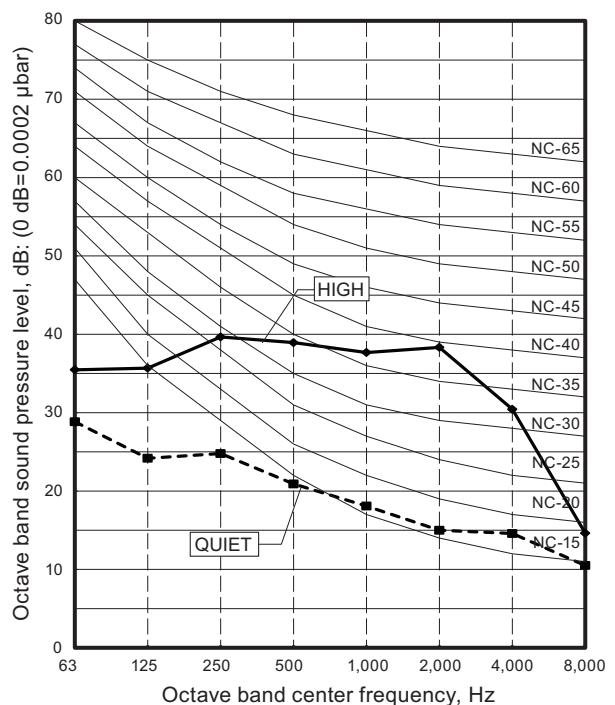


■ Models: ASYG09KMTB, ASYG09KMCC, ASYG09KETA, and ASYG09KETA-B

● Cooling

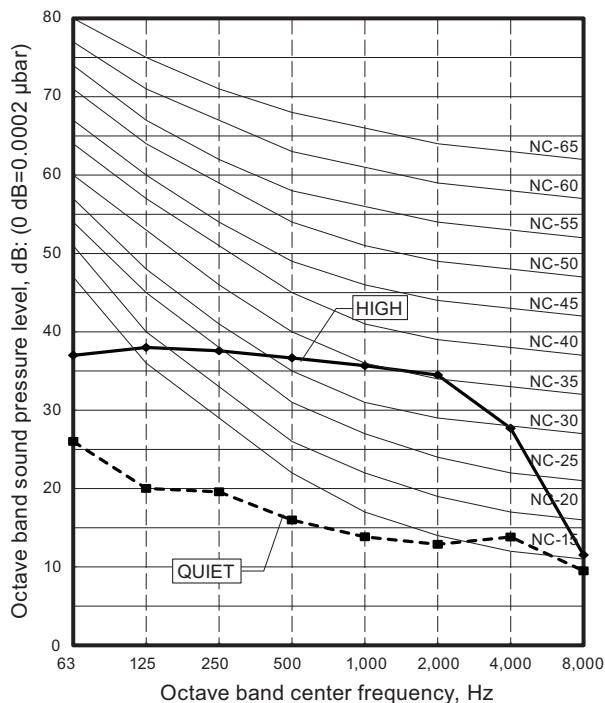


● Heating

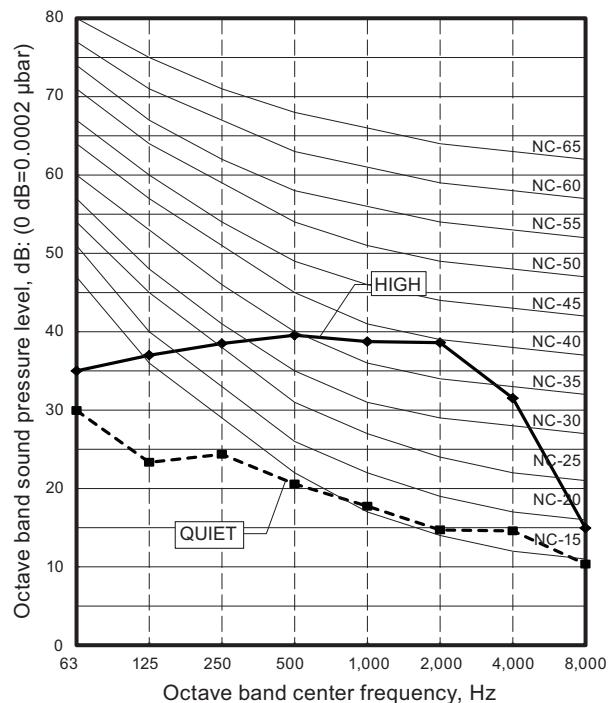


■ Models: ASYG12KMTB, ASYG12KMCC, ASYG12KETA, and ASYG12KETA-B

● Cooling

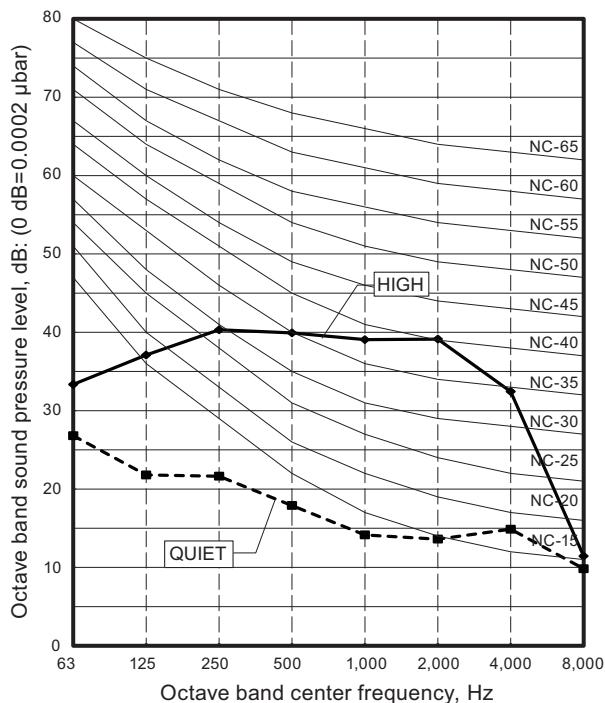


● Heating

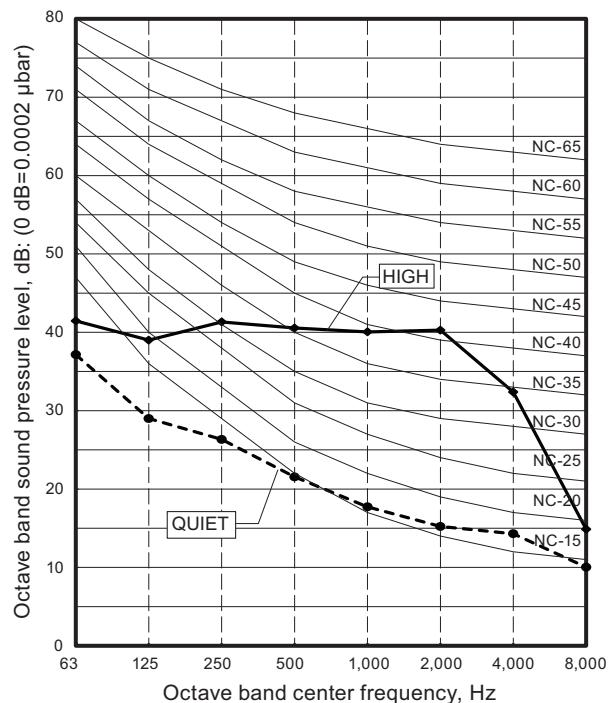


■ Models: ASYG14KMTB, ASYG14KMCC, ASYG14KETA, and ASYG14KETA-B

● Cooling

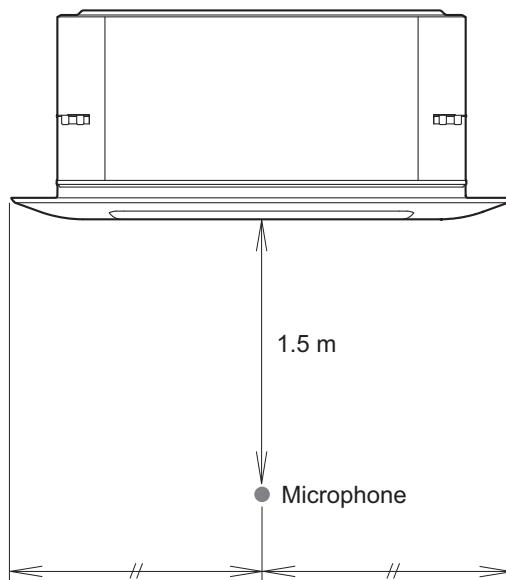
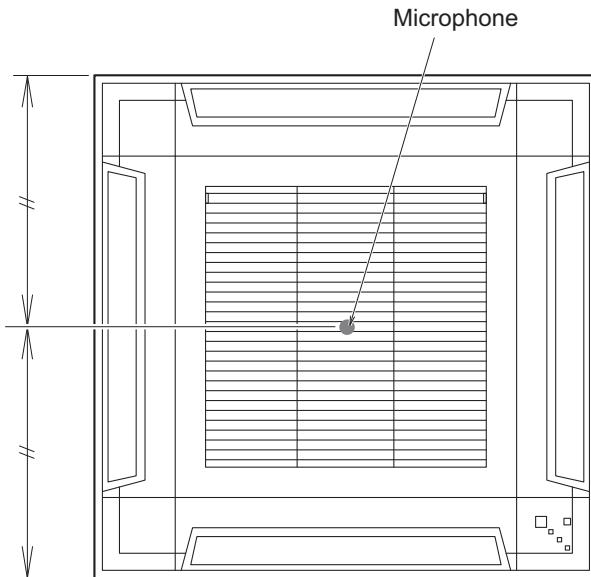


● Heating

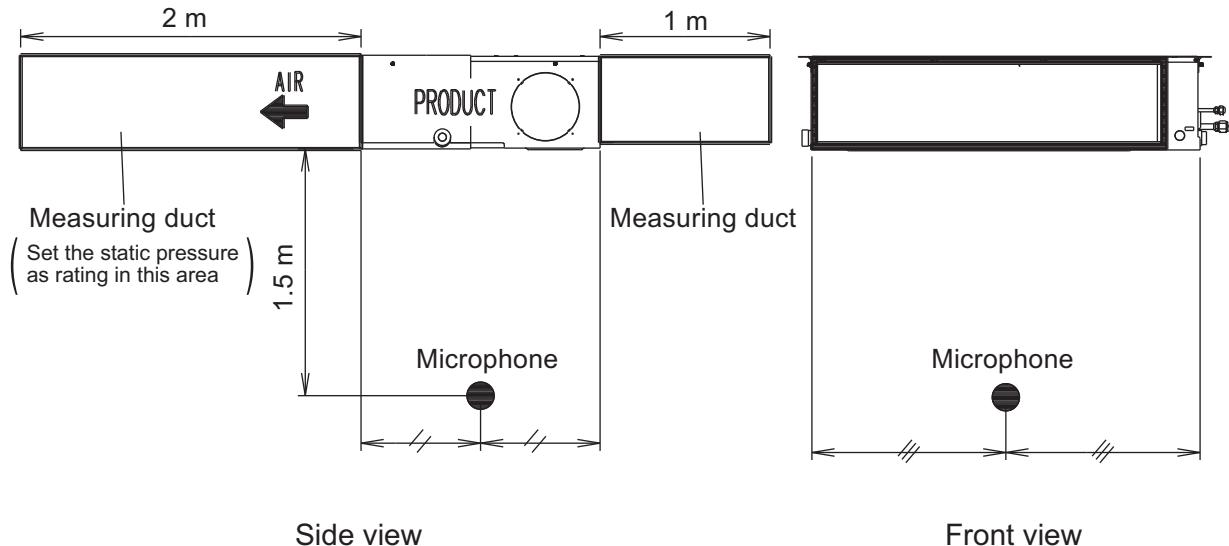


8-5. Sound level check point

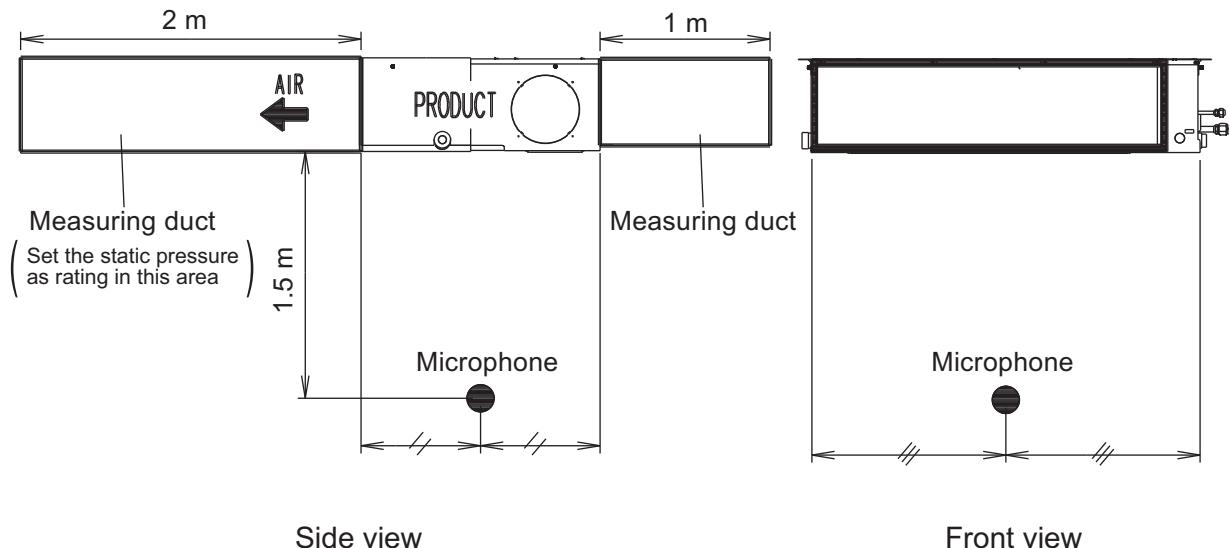
■ Compact cassette type



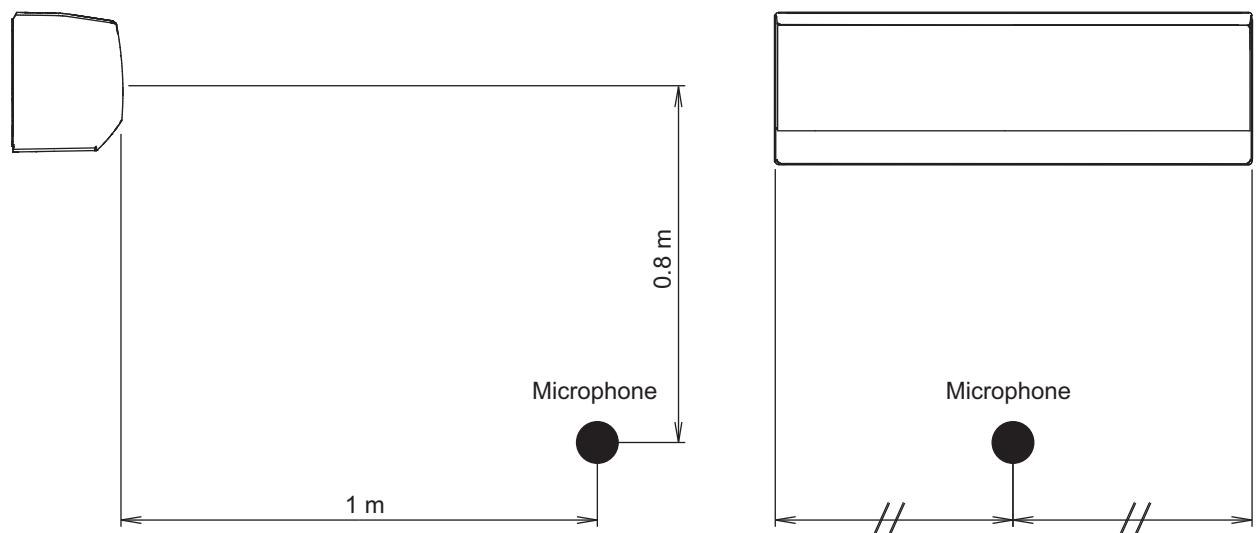
■ Mini duct type



■ Slim duct type



■ Wall mounted type



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

9. Electrical characteristics

		Power supply (50 Hz, 230 V)	Indoor rated		Wiring spec. of connection cable (Indoor unit to outdoor unit)			
Type	Model name	MCA	Input power	FLA	Cross-sectional area	Limited wiring length		
		(A)	(W)	(A)	(mm ²)	(m)		
Compact cassette	AUXG07KVLA	0.19	18	0.15	1.5	21		
	AUXG09KVLA	0.19	18	0.15				
	AUXG12KVLA	0.24	23	0.19				
	AUXG14KVLA	0.28	28	0.22				
Mini duct	ARXG07KSLAP	0.33	33	0.29				
	ARXG09KSLAP	0.38	40	0.33				
	ARXG12KSLAP	0.42	47	0.38				
	ARXG14KSLAP	0.67	72	0.58				
Slim duct	ARXG07KLLAP	0.41	33	0.33				
	ARXG09KLLAP	0.38	49	0.30				
	ARXG12KLLAP	0.44	58	0.35				
	ARXG14KLLAP	0.64	76	0.51				
Wall mounted	ASYG07KGTB	0.25	23	0.20				
	ASYG09KGTB	0.30	27	0.24				
	ASYG12KGTB	0.30	27	0.24				
	ASYG14KGTB	0.37	33	0.29				
	ASYG07KMTB	0.25	23	0.20				
	ASYG09KMTB	0.30	27	0.24				
	ASYG12KMTB	0.30	27	0.24				
	ASYG14KMTB	0.38	33	0.30				
	ASYG07KMCC	0.25	23	0.20				
	ASYG09KMCC	0.30	27	0.24				
	ASYG12KMCC	0.30	27	0.24				
	ASYG14KMCC	0.38	33	0.30				
	ASYG07KETA	0.25	23	0.20				
	ASYG07KETA-B							
	ASYG09KETA	0.30	27	0.24				
	ASYG09KETA-B							
	ASYG12KETA	0.30	27	0.24				
	ASYG12KETA-B							
	ASYG14KETA	0.38	33	0.30				
	ASYG14KETA-B							

MCA: Minimum Circuit Ampacity = Maximum operating current (Full load)

FLA: Full Load Amperes (Fan motor)

10. Safety devices

Indoor unit type	Model name	PCB* fuse	Fan motor thermal protector	Terminal thermal fuse	Float switch
Compact cassette	AUXG07KVLA	250 V, 5 A	Activate: 100 ± 10 °C Fan motor stop Reset: 95 ± 10 °C Fan motor restart	—	○
	AUXG09KVLA		Activate: 135 ± 15 °C Fan motor stop Reset: 115 ± 15 °C Fan motor restart		
	AUXG12KVLA		Activate: 135 ± 15 °C Fan motor stop Reset: 105 ± 15 °C Fan motor restart		
	AUXG14KVLA		Activate: 135 ± 15 °C Fan motor stop Reset: 115 ± 15 °C Fan motor restart		
Mini duct	ARXG07KSLAP	250 V, 5 A	Activate: 135 ± 15 °C Fan motor stop Reset: 105 ± 15 °C Fan motor restart	—	○
	ARXG09KSLAP		Activate: 135 ± 15 °C Fan motor stop Reset: 115 ± 15 °C Fan motor restart		
	ARXG12KSLAP		Activate: 135 ± 15 °C Fan motor stop Reset: 105 ± 15 °C Fan motor restart		
	ARXG14KSLAP		Activate: 135 ± 15 °C Fan motor stop Reset: 115 ± 15 °C Fan motor restart		
Slim duct	ARXG07KLLAP	250 V, 5 A	Activate: 135 ± 15 °C Fan motor stop Reset: 105 ± 15 °C Fan motor restart	—	○
	ARXG09KLLAP		Activate: 135 ± 15 °C Fan motor stop Reset: 115 ± 15 °C Fan motor restart		
	ARXG12KLLAP		Activate: 135 ± 15 °C Fan motor stop Reset: 105 ± 15 °C Fan motor restart		
	ARXG14KLLAP		Activate: 135 ± 15 °C Fan motor stop Reset: 115 ± 15 °C Fan motor restart		
Wall mounted	ASYG07KGTB	250 V, 3.15 A	Activate: More than 95 °C Fan motor speed down Reset: 95 °C or less Fan motor speed recover	102 °C Off	—
	ASYG09KGTB		Activate: 125 ± 10 °C Fan motor stop Reset: 100 ± 10 °C Fan motor restart		
	ASYG12KGTB		Activate: More than 95 °C Fan motor speed down Reset: 95 °C or less Fan motor speed recover		
	ASYG14KGTB		Activate: 125 ± 10 °C Fan motor stop Reset: 100 ± 10 °C Fan motor restart		
	ASYG07KMTB		Activate: More than 95 °C Fan motor speed down Reset: 95 °C or less Fan motor speed recover		
	ASYG09KMTB		Activate: 125 ± 10 °C Fan motor stop Reset: 100 ± 10 °C Fan motor restart		
	ASYG12KMTB		Activate: 125 ± 10 °C Fan motor stop Reset: 100 ± 10 °C Fan motor restart		
	ASYG14KMTB		Activate: 170^{+25}_{-30} °C Fan motor stop Reset: 145^{+25}_{-30} °C Fan motor restart	—	—
	ASYG07KMCC		Activate: More than 85 °C Fan motor speed down Reset: 85 °C or less Fan motor speed recover	102 °C Off	—
	ASYG09KMCC		Activate: More than 85 °C Fan motor speed down Reset: 85 °C or less Fan motor speed recover		
	ASYG12KMCC		Activate: More than 85 °C Fan motor speed down Reset: 85 °C or less Fan motor speed recover		
	ASYG14KMCC		Activate: More than 85 °C Fan motor speed down Reset: 85 °C or less Fan motor speed recover		
	ASYG07KETA		Activate: 125 ± 25 °C Fan motor stop Reset: 110^{+25}_{-20} °C Fan motor restart	102 °C Off	—
	ASYG07KETA-B		Activate: 125 ± 25 °C Fan motor stop Reset: 110^{+25}_{-20} °C Fan motor restart		
	ASYG09KETA		Activate: 125 ± 25 °C Fan motor stop Reset: 110^{+25}_{-20} °C Fan motor restart		
	ASYG09KETA-B		Activate: 125 ± 25 °C Fan motor stop Reset: 110^{+25}_{-20} °C Fan motor restart		
	ASYG12KETA		Activate: 125 ± 25 °C Fan motor stop Reset: 110^{+25}_{-20} °C Fan motor restart		
	ASYG12KETA-B		Activate: 125 ± 25 °C Fan motor stop Reset: 110^{+25}_{-20} °C Fan motor restart		
	ASYG14KETA		Activate: 125 ± 25 °C Fan motor stop Reset: 110^{+25}_{-20} °C Fan motor restart		
	ASYG14KETA-B		Activate: 125 ± 25 °C Fan motor stop Reset: 110^{+25}_{-20} °C Fan motor restart		

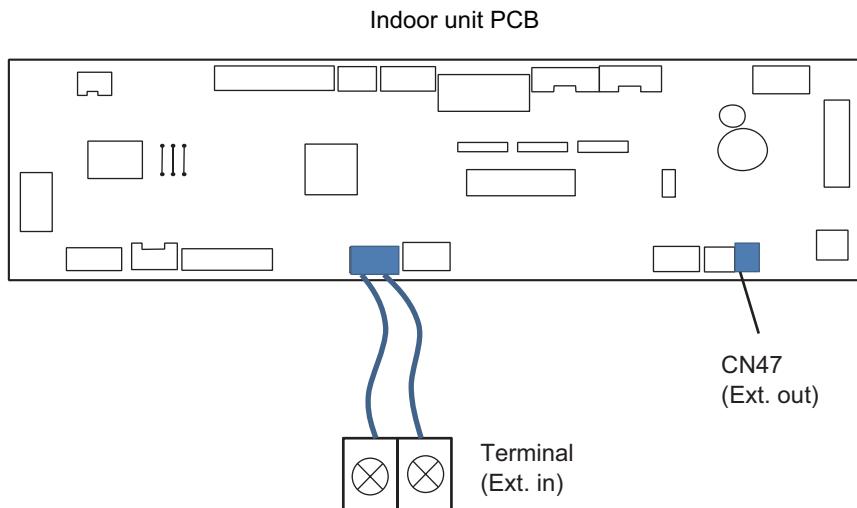
*: Printed Circuit Board

11. External input and output

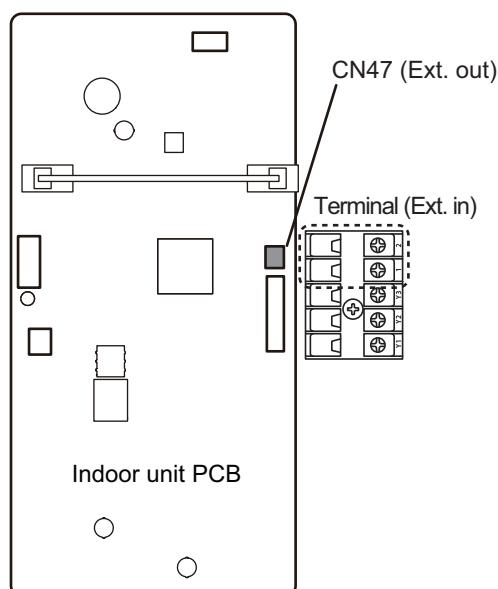
11-1. Compact cassette, Mini duct, and Slim duct types

Exterior of the indoor unit PCB and the component location differ by the type of the indoor unit as follows.

- **Compact cassette type:**



- **Mini duct and Slim duct types:**



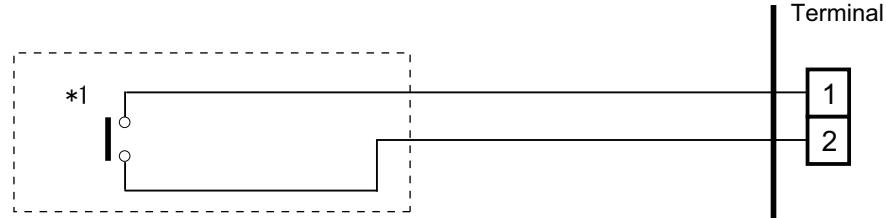
External input and output		Connector	Input select	Input signal	External connect kit (Optional parts)
External input	Operation/Stop Forced stop	Terminal	Dry contact	Edge	—
External output	Operation status	CN47	—	—	UTY-XWZXZG
	Error status				
	Indoor unit fan operation status				
	External heater output				

■ 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.

Indoor unit functions such as Operation/Stop can be done by using indoor unit terminals.



*1: The switch can be used on the following condition: DC 12 V to 24 V, 1 mA to 15 mA.

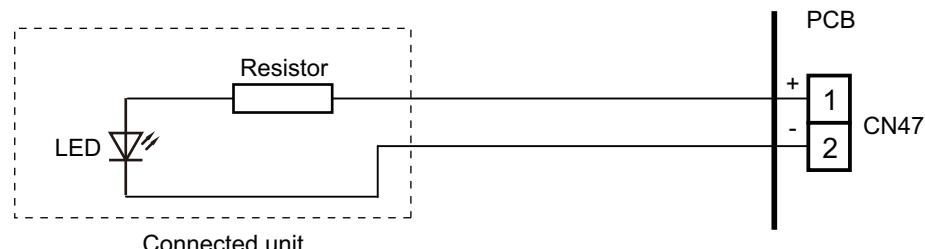
■ External output

Use an external output cable with appropriate external dimension, depending on the number of cables to be installed.

- A twisted pair cable (22AWG) should be used. Maximum length of cable is 25 m.
- Output voltage: High DC 12 V ± 2 V, Low 0 V.
- Permissible current: 50 mA
- For details, refer to "[Combination of external input and output](#)" on page 91.

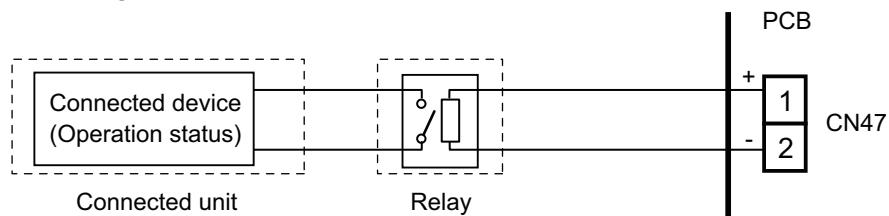
● When indicator, etc. are connected directly

Example: Function setting 60 is set to "00"



● When connecting with a device equipped with a power supply

Example: Function setting 60 is set to "00"



■ Combination of external input and output

By combining the function setting of the indoor unit, you can select various combinations of functions.

Combination examples of external input and output are as follows:

Mode	Function setting	External input	External output
		Terminal	CN47
0	60—00	Operation/Stop	
1—8	60—01 to 60—08	(Setting prohibited)	
9	60—09	Operation/Stop	Error status
10	60—10	Operation/Stop	Indoor unit fan operation status
11	60—11	Operation/Stop	External heater output

NOTE: Input of Operation/Stop depends on the setting of function setting 46.

- 00: Operation/Stop mode 1 (R.C. enabled)
- 01: (Setting prohibited)
- 02: Forced stop
- 03: Operation/Stop mode 2 (R.C. disabled)

● Input signal type

- Indoor unit

Input signal type is only "Edge".

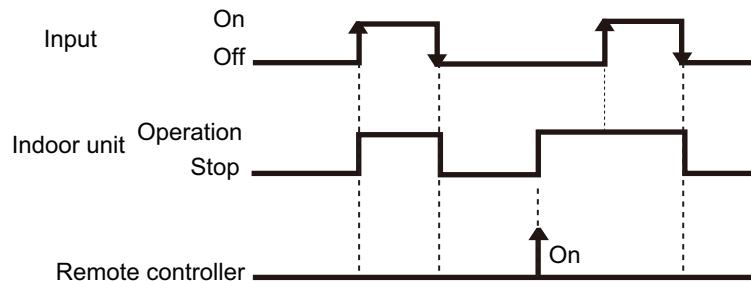


■ Details of function

● Control input function

- When function setting is "Operation/Stop" mode 1

Function setting	External input	Input signal	Command
46—00	Terminal	Off → On	Operation
		On → Off	Stop

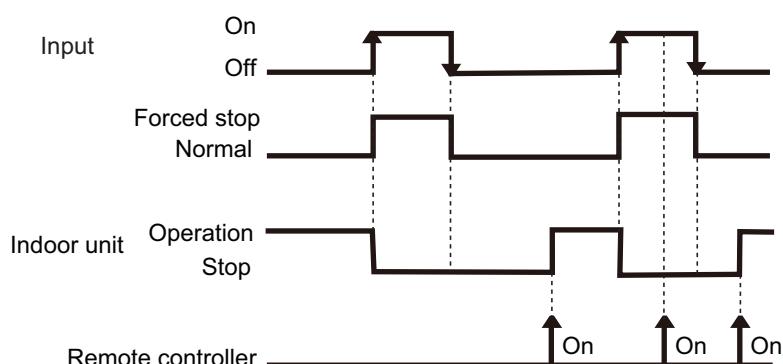


NOTES:

- The last command has priority.
- The indoor units within the same remote controller group operates in the same mode.

- When function setting is "Forced stop" mode

Function setting	External input	Input signal	Command
46—02	Terminal	Off → On	Forced stop
		On → Off	Normal

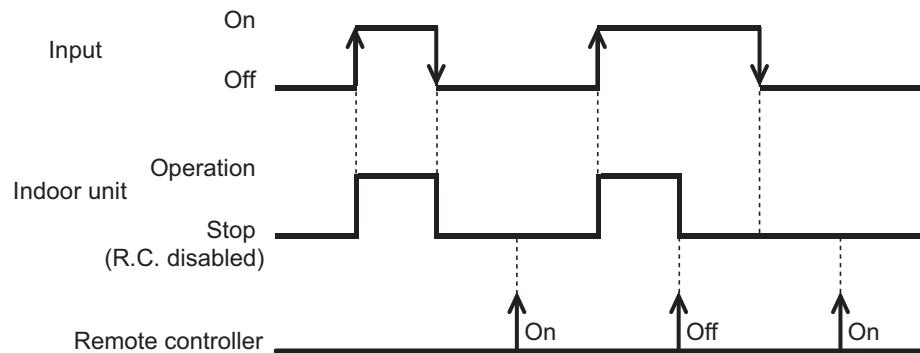


NOTES:

- When the forced stop is triggered, indoor unit stops and Operation/Stop operation by the remote controller is restricted.
- When forced stop function is used with forming a remote controller group, connect the same equipment to each indoor unit within the group.

- When function setting is "Operation/Stop" mode 2

Function setting	External input	Input signal	Command
46—03	Terminal	Off → On	Operation
		On → Off	Stop (R.C. disabled)

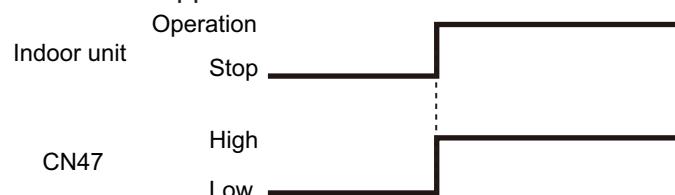


NOTE: When "Operation/Stop" mode 2 function is used with forming a remote controller group, connect the same equipment to each indoor unit within the group.

● Control output function

Function setting	External output	Output signal	Command
60—00	CN47	Low → High	Operation
		High → Low	Stop

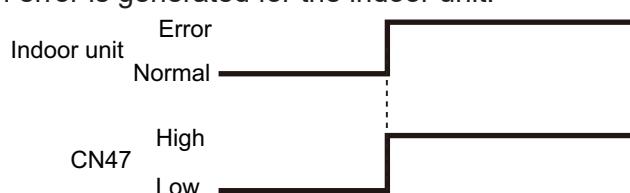
The output is low when the unit is stopped.



● Error status

Function setting	External output	Output signal	Command
60—09	CN47	Low → High	Error
		High → Low	Normal

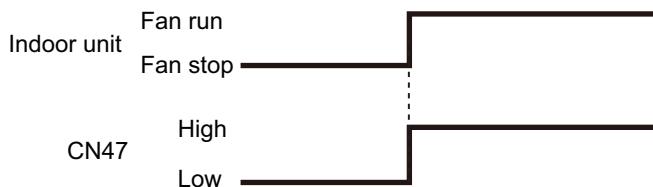
The output is ON when an error is generated for the indoor unit.



● Indoor unit fan operation status

Function setting	External output	Output signal	Command
60—10	CN47	Low → High	Fan run
		High → Low	Fan stop

Output signal	Condition
On	The indoor unit fan is operating.
Low → High	
Off	The fan is stopped or during cold air prevention.
High → Low	During thermostat off when in dry mode operation.



● External heater output

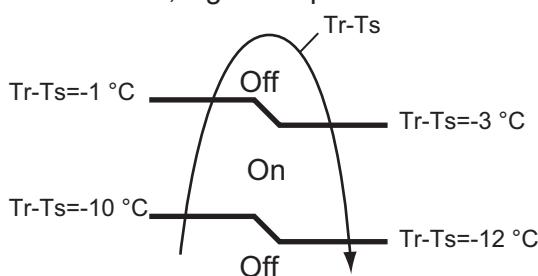
Function setting	External output	Output signal	Command
60—11	CN47	Low → High	Heater on
		High → Low	Heater off

Output signal	Condition
Low → High	Heater turns on as shown in diagram of heating temperature
Off → On	
High → Low	Heater turns off as shown in diagram of heating temperature <ul style="list-style-type: none"> • Other than Heating mode • Error occurred • Forced thermo off • Fan stop protection
On → Off	

Specifications of the signal output performance are as shown as follows:

Example When set temperature (Ts) is set at 22 °C;

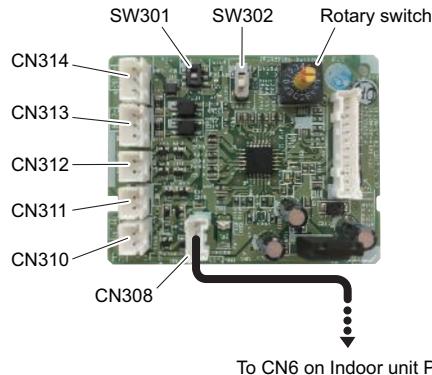
- And room temperature (Tr) increase above 12 °C, signal output is on.
- And Tr increase above 21 °C, signal output is off.
- And Tr decrease below 19 °C, signal output is on.
- And Tr decrease below 10 °C, signal output is off.



The output also turns off in defrost operation.

11-2. Wall mounted type (Models: ASYG07KGTB, ASYG09KGTB, ASYG12KGTB, ASYG14KGTB, ASYG07KETA, ASYG09KETA, ASYG12KETA, ASYG14KETA, ASYG07KETA-B, ASYG09KETA-B, ASYG12KETA-B, and ASYG14KETA-B)

External input and output PCB



PCB	External input	External output	Connector	Input select	Input signal
External input and output (UTY-XCSXZ2)	Operation/Stop	-	CN313/ CN314	Dry contact/ Apply voltage	Edge/Pulse
	Forced stop		CN313		Edge
	Forced thermostat off		CN312	-	-
	-	Operation status	CN310		-
		Error status	CN311		-
		Indoor unit fan operation status	CN312		-

NOTE: KETA, KETA-B: External input and output PCB cannot be used with Wireless LAN adapter simultaneously.

■ 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 should be used. Maximum length of cable is 150 m.
- The wire connection should be separate from the power cable line.

● External input and output PCB

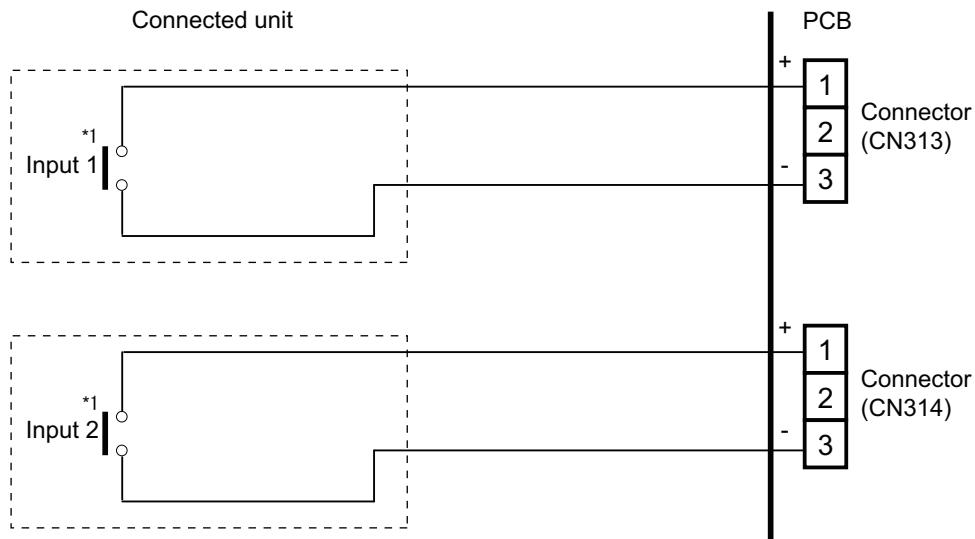
The indoor unit Operation/Stop can be set by using the input connector on the PCB.

• Input select:

Use either one of these types of connectors according to the application. (Both types of connectors cannot be used simultaneously.)

– Dry contact

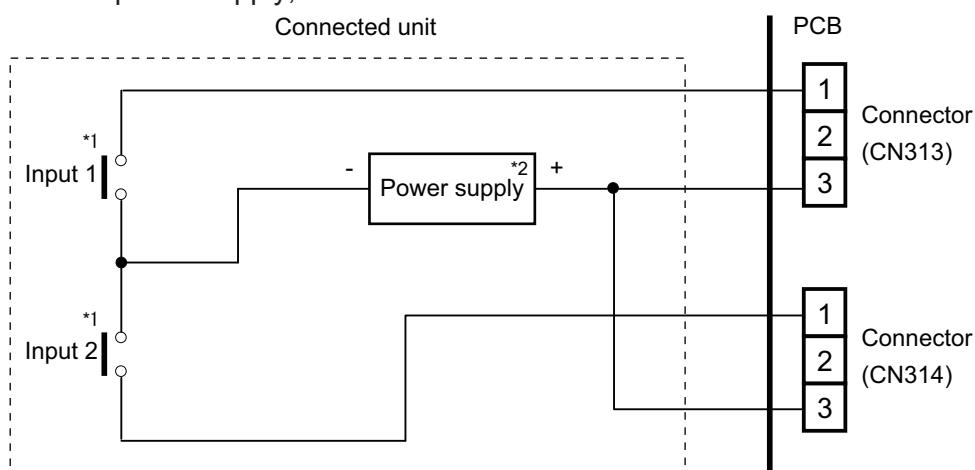
In case of internal power supply, set the slide switch of SW301 to "NON VOL" side.



*1: The switches can be used on the following condition: DC 12 V to 24 V, 1 mA to 15 mA.

– Apply voltage

In case of external power supply, set the slide switch of SW301 to "VOL" side.



*1: The switches can be used on the following condition: DC 12 V to 24 V, 1 mA to 15 mA.

*2: Make the power supply DC 12 to 24 V, 10 mA or more.

■ External output

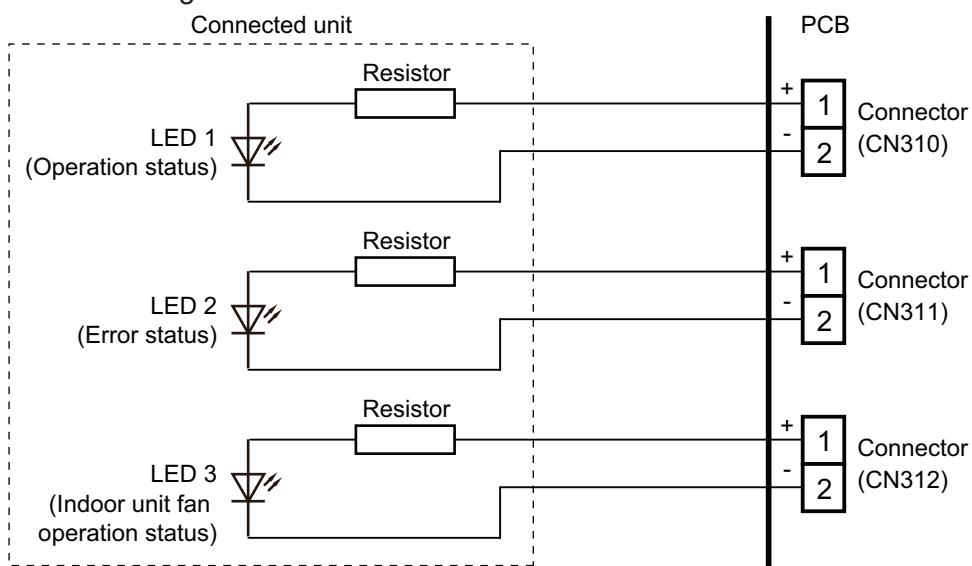
Use an external output cable with appropriate external dimension, depending on the number of cables to be installed.

● External input and output PCB

- A twisted pair cable (22AWG) should be used. Maximum length of cable is 25 m.
- Output voltage: High DC 12 V±2 V, Low 0 V.
- Permissible current: 50 mA
- For details, refer to "Combination of external input and output" on page 98.

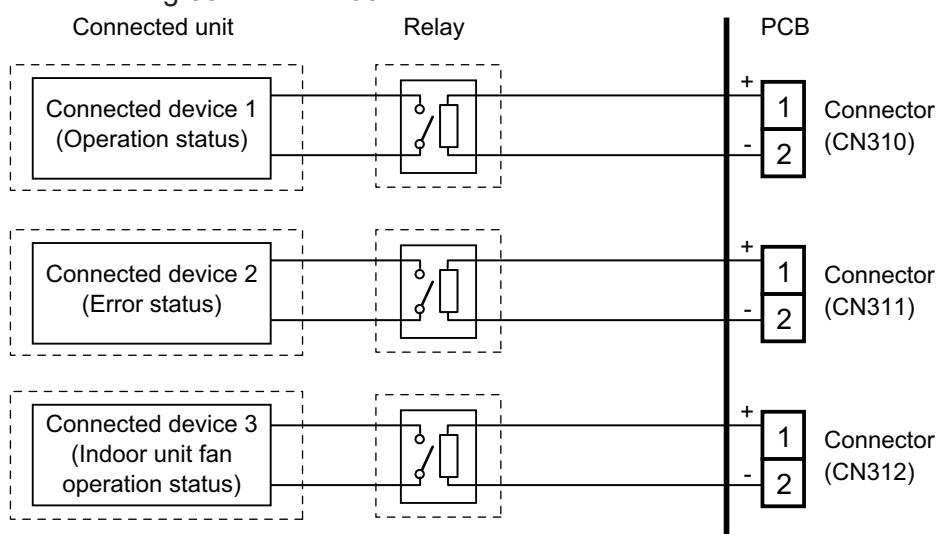
- When indicator or other components are connected directly:

Example: Function setting 60 is set to "00".



- When connecting with a device equipped with a power supply:

Example: Function setting 60 is set to "00".



■ Combination of external input and output

By combining the function setting of the indoor unit and rotary switch setting of the External input and output PCB, you can select various combinations of functions.

Combination examples of external input and output are as follows:

Mode	Function setting	External input and output PCB (Rotary SW)	External input		
			External input and output PCB		
			CN313	CN314	Signal type
0-1	60-00	1	Operation/Stop	Not available	Edge
			Operation	Stop	Pulse
0-2	60-00	2	Forced Thermostat OFF	Not available	Edge
1—8	60-01 to 60-08	3 - 9, A	(Setting prohibited)		
9	60-09	B	Forced Thermostat OFF	Not available	Edge
10	60-10	C	Forced Thermostat OFF	Not available	Edge
11	60-11	D	Forced Thermostat OFF	Not available	Edge

Mode	Function setting	External input and output PCB (Rotary SW)	External output		
			External input and output PCB		
			CN310	CN311	CN312
0-1	60-00	1	Operation/Stop	Error status	Indoor unit fan operation status
0-2	60-00	2	Error status	Indoor unit fan operation status	Not available
1—8	60-01 to 60-08	3 - 9, A	(Setting prohibited)		
9	60-09	B	Operation/Stop	Indoor unit fan operation status	Not available
10	60-10	C	Operation/Stop	Error status	Not available
11	60-11	D	Operation/Stop	Indoor unit fan operation status	Error status

NOTE: Input of Operation/Stop depends on the setting of function setting 46.

00: Operation/Stop mode 1 (R.C. enabled)

01: (Setting prohibited)

02: Forced stop

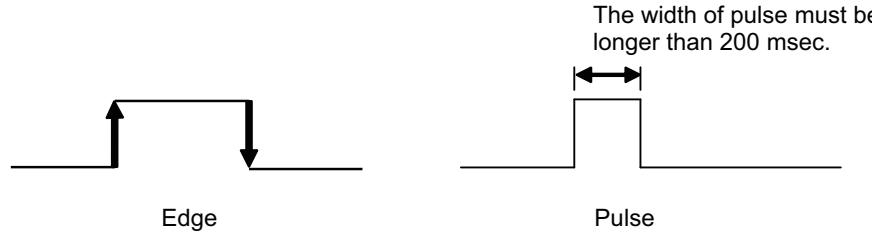
03: Operation/Stop mode 2 (R.C. disabled)

● Input signal type

External input and output PCB:

The input signal type can be selected.

Signal type (edge or pulse) can be switched by the DIP switch SW302 on the External input and output PCB.

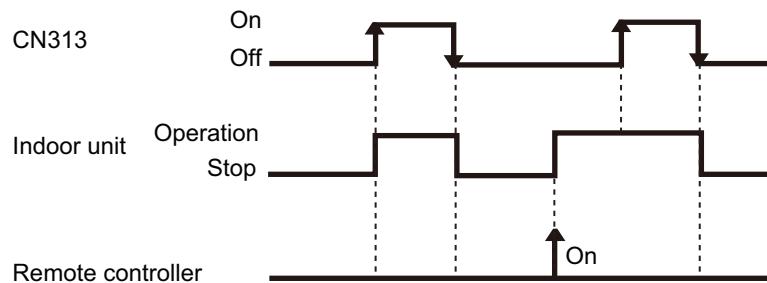


■ Details of function

● Control input function

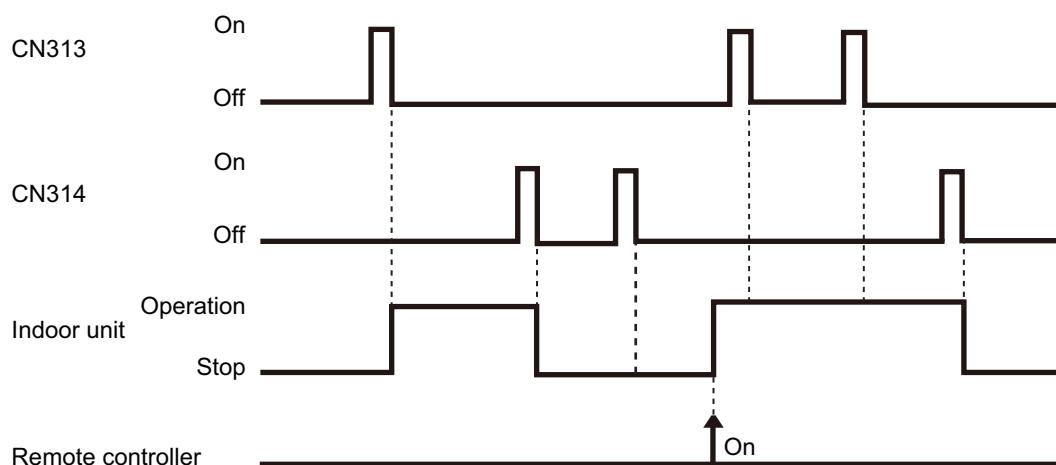
- When function setting is "Operation/Stop" mode 1
 - In the case of "Edge" input:

Function setting /	Rotary SW on External input and output PCB	External input		Input signal	Command
46-00	60-00 / 1	External input and output PCB	CN313	Off → On	Operation
				On → Off	Stop



- In the case of "Pulse" input:

Function setting /	Rotary SW on External input and output PCB	External input		Input signal	Command
46-00	60-00 / 1	External input and output PCB	CN313	Pulse	Operation
				CN314	Stop



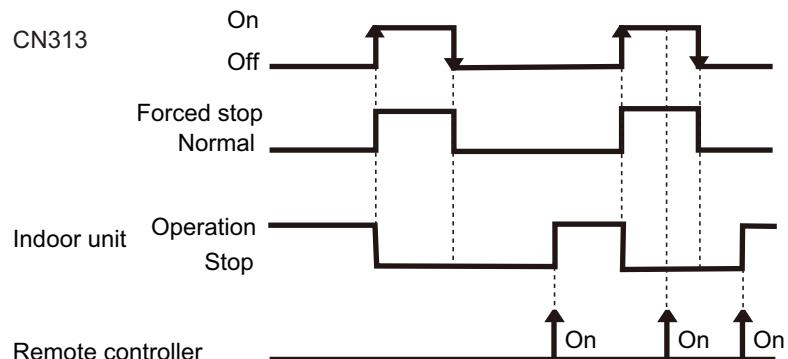
NOTES:

- The last command has priority.
- The indoor units within the same remote controller group operate in the same mode.

- When function setting is "Forced stop" mode

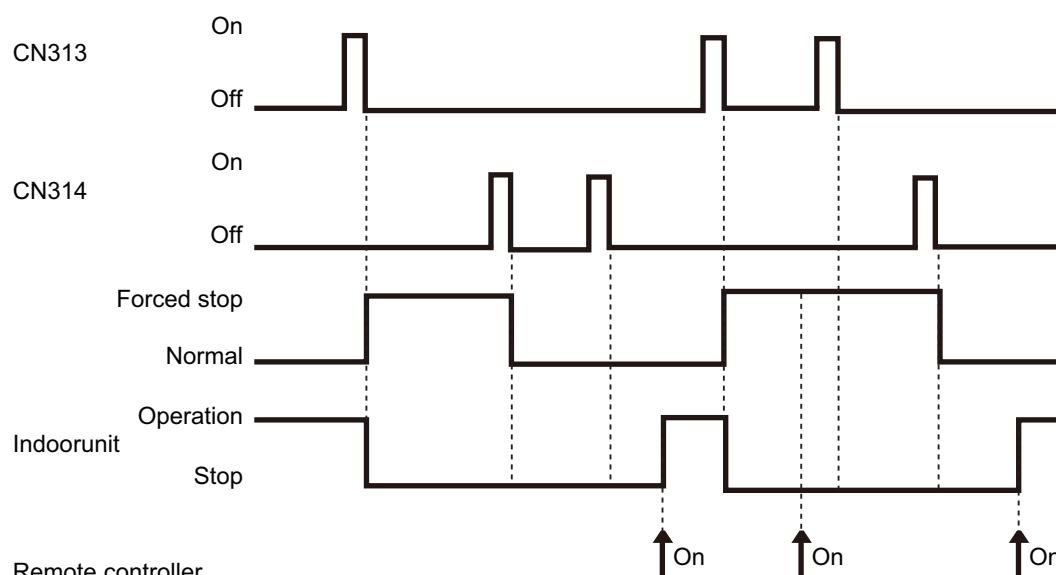
- In the case of "Edge" input:

Function setting /	Rotary SW on External input and output PCB	External input		Input signal	Command
46-02	60-00 / 1	External input and output PCB	CN313	Off → On	Forced stop
				On → Off	Normal



- In the case of "Pulse" input:

Function setting /	Rotary SW on External input and output PCB	External input		Input signal	Command
46-02	60-00 / 1	External input and output PCB	CN313	Pulse	Forced stop
			CN314	Pulse	Normal



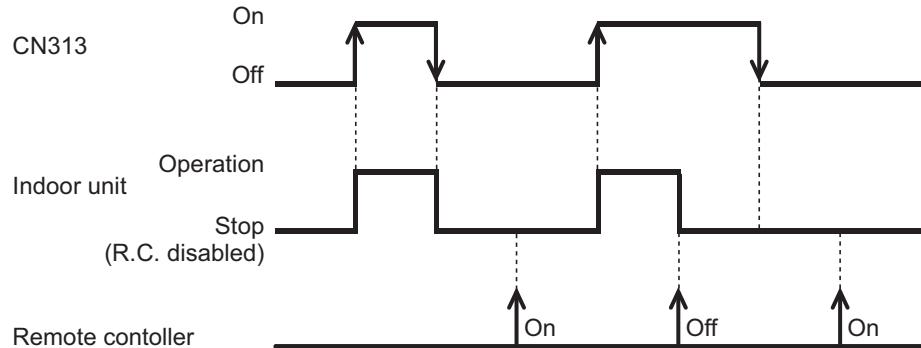
NOTES:

- When the forced stop is triggered, indoor unit stops and Operation/Stop operation by the remote controller is restricted.
- When forced stop function is used with forming a remote controller group, connect the same equipment to each indoor unit within the group.

- When function setting is "Operation/Stop" mode 2

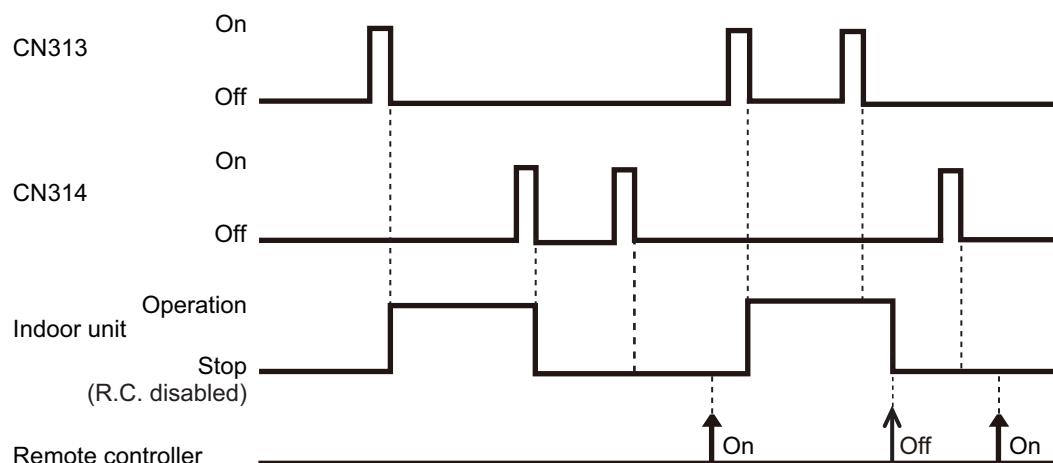
- In the case of "Edge" input:

Function setting /	Rotary SW on External input and output PCB	External input		Input signal	Command
46-03	60-00 / 1	External input and output PCB	CN313	Off → On	Operation
				On → Off	Stop (R.C. disabled)



- In the case of "Pulse" input:

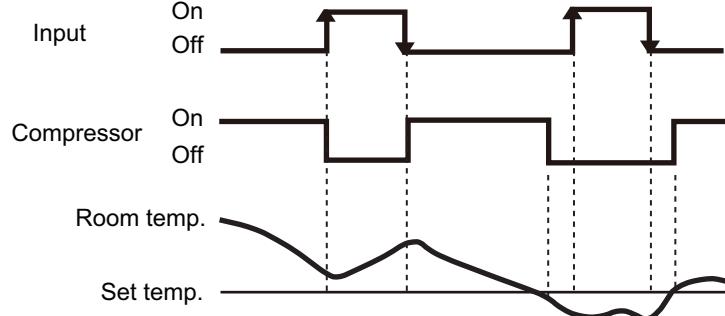
Function setting /	Rotary SW on External input and output PCB	External input		Input signal	Command
46-03	60-00 / 1	External input and output PCB	CN313	Pulse	Operation
			CN314	Pulse	Stop (R.C. disabled)



NOTE: When "Operation/Stop" mode 2 function is used with forming a remote controller group, connect the same equipment to each indoor unit within the group.

- Forced thermostat off function

Function setting /	Rotary SW on External input and output PCB	External input		Input signal	Command
60-00 / 2 60-09 / B 60-10 / C	External input and output PCB	CN313	Off → On	Thermostat off	
			On → Off	Normal operation	



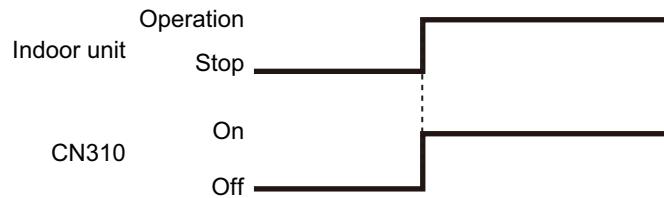
NOTE: When the signal is received from another unit on the refrigerant circuit, there may be a delay in thermostat off function at the unit.

● Control output function

- Operation/Stop status

Function setting /	Rotary SW on External input and output PCB	External output		Output signal	Command
60-00 / 1	External input and output PCB		CN310	Off → On	Operation
				On → Off	Stop

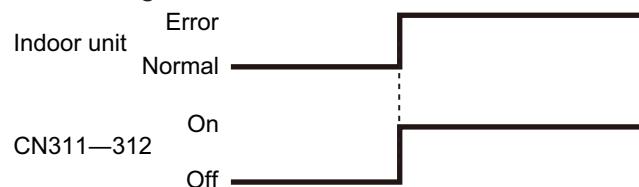
The output is low when the unit is stopped.



- Error status

Function setting /	Rotary SW on External input and output PCB	External output		Output signal	Command
60-00 / 1	External input and output PCB		CN311	Off → On	Error
				On → Off	Normal

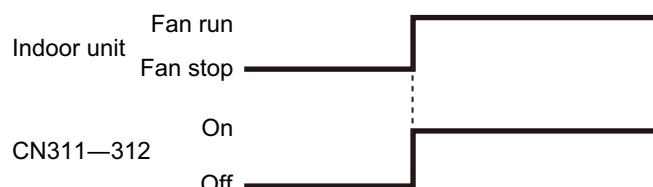
The output is ON when an error is generated for the indoor unit.



- Indoor unit fan operation status

Function setting /	Rotary SW on External input and output PCB	External output		Output signal	Command
60-00 / 1	External input and output PCB		CN312	Off → On	Fan run
				On → Off	Fan stop

Output signal	Condition
On Low → High	The indoor unit fan is operating.
Off High → Low	The fan is stopped or during cold air prevention. During thermostat off when in dry mode operation.



11-3. Wall mounted type (Models: ASYG07KMTB, ASYG09KMTB, ASYG12KMTB, ASYG14KMTB, ASYG07KMCC, ASYG09KMCC, ASYG12KMCC, and ASYG14KMCC)

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	

■ External input

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

- “Operation/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.

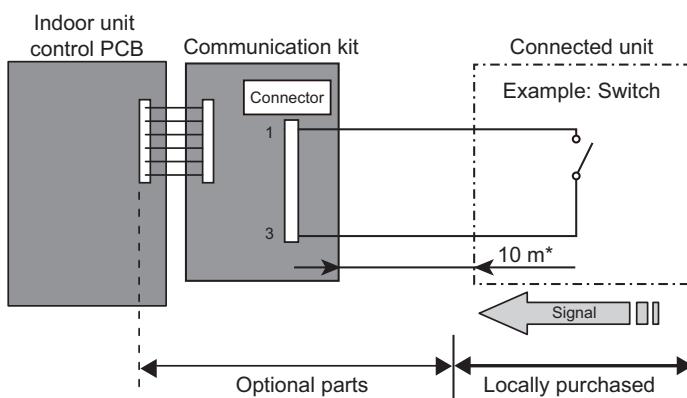
● Control input (Operation/Stop or Forced stop)

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.

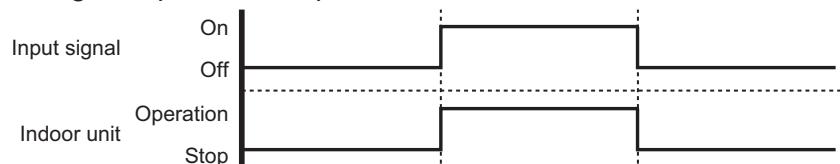
Unit operation	Initial setting after power is on	Starting mode other than initial setting
Operation mode	Auto changeover	Mode at previous operation
Set temperature	24 °C	Temperature at previous operation
Airflow mode	AUTO	Mode at previous operation
Air direction (swing)	Standard air direction (swing: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

- Circuit diagram example

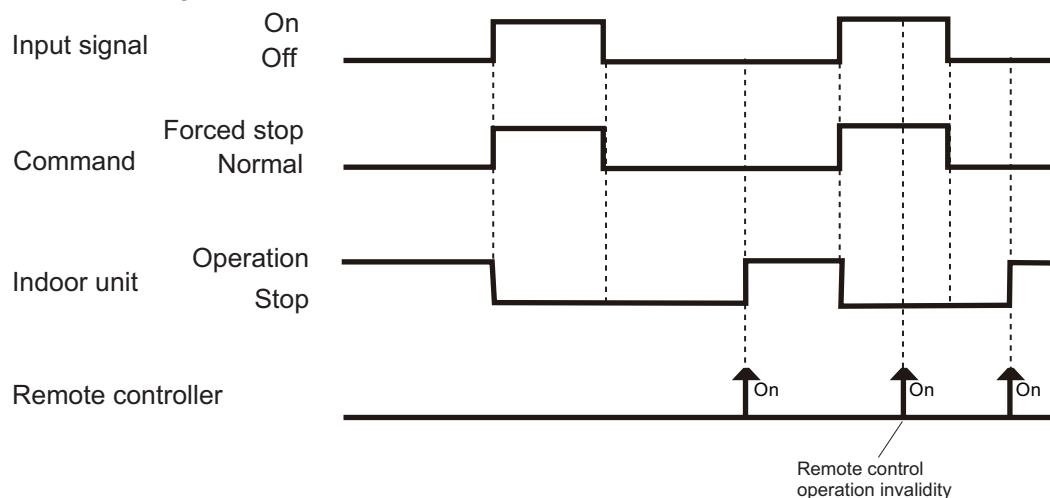


- Contact capacity: DC 24 V or more, 10 mA or more.
- *: Make the distance from the PCB to the connected unit within 10 m.
- Use non-polar relays and switches.

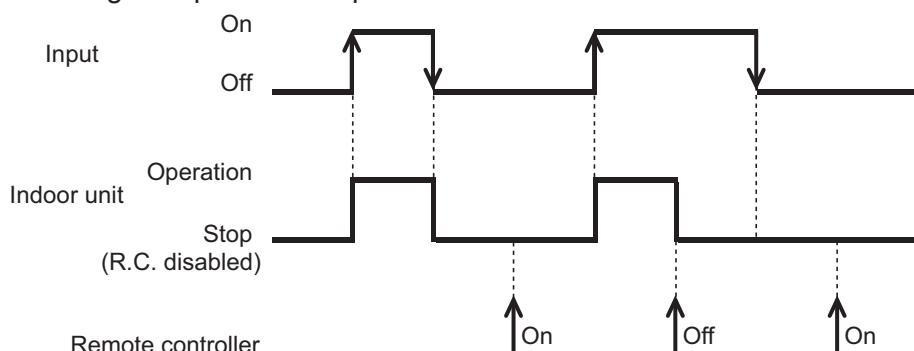
- When function setting is "Operation/Stop" mode



- When function setting is "Forced stop" mode



- When function setting is "Operation/Stop" mode 2



NOTE: When "Operation/Stop" mode 2 function is used with forming a remote controller group, connect the same equipment to each indoor unit within the group.

- Optional part

Part name	Model name	Exterior
External connect kit	UTY-XWZXZ5	External input wire
Communication kit	UTY-TWBXF2	

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

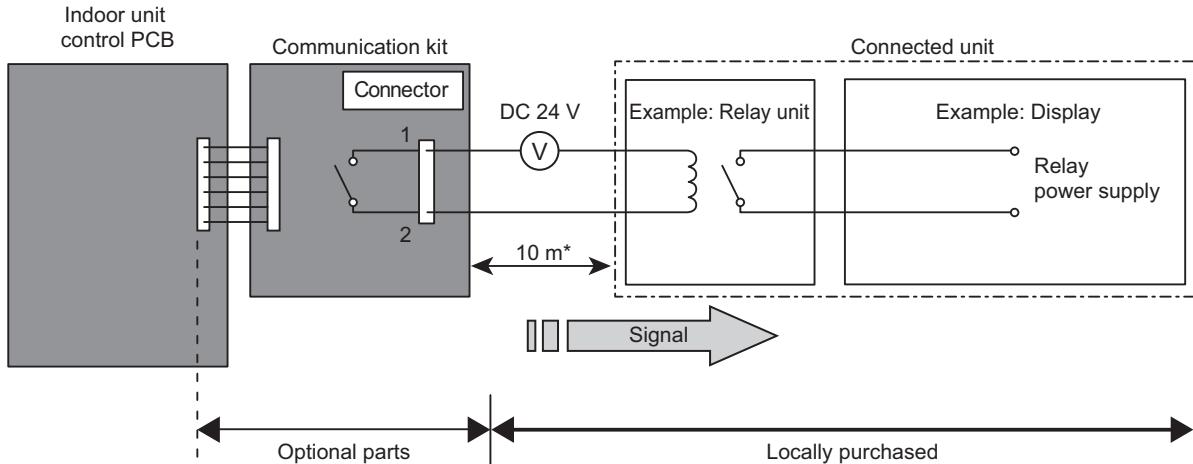
■ External output

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.

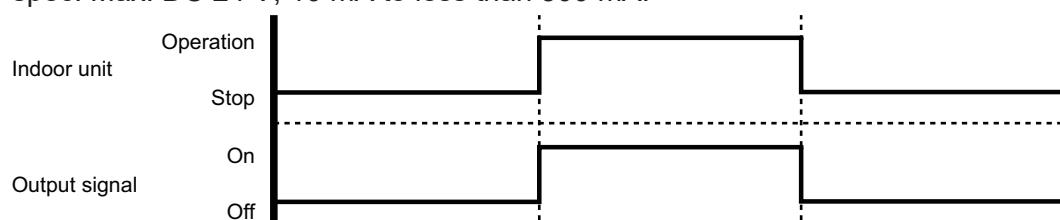
● Operation status output

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:**

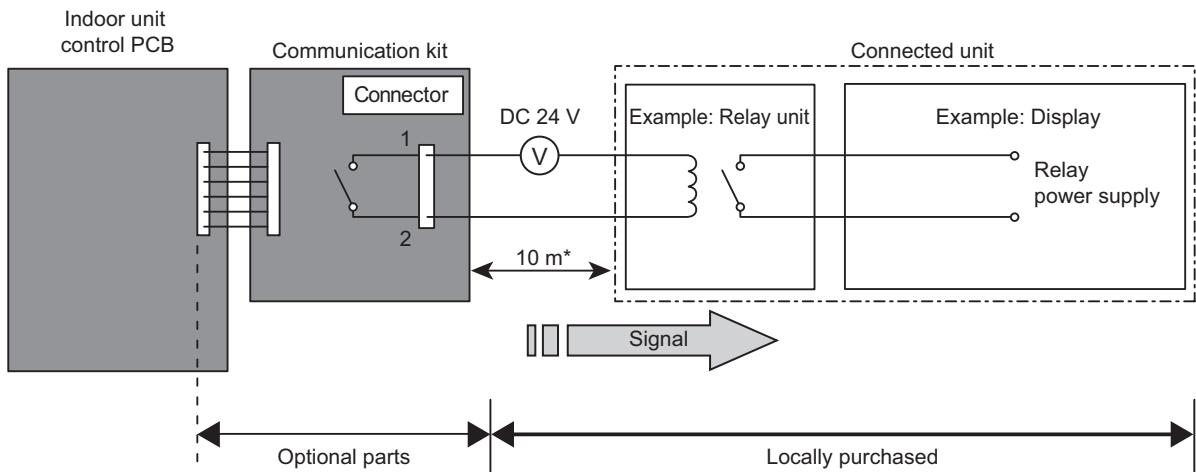
Part name	Model name	Exterior
External connect kit	UTY-XWZXZ5	External output wire
Communication kit	UTY-TWBXF2	

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

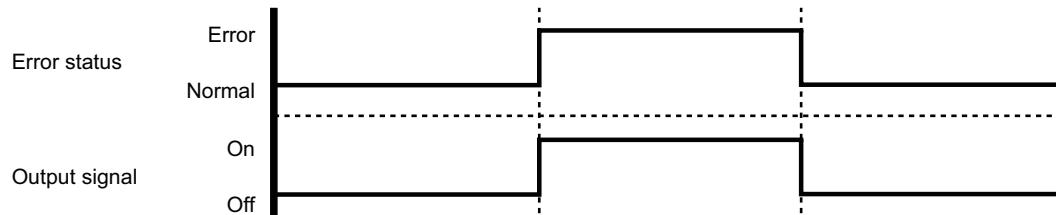
● Error status output

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-TWBXF2	

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

12. Group connection

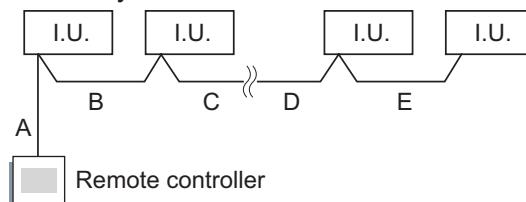
NOTE: Group control cannot be used together with Wireless LAN adapter.

Installation procedure for group control system:

A number of indoor units can be operated at the same time using a single remote controller.

NOTE: When different type of indoor units (such as wall mounted type and cassette type, cassette type and duct type, or other combinations) are connected using group control system, some functions may no longer be available.

1. Connect up to 16 indoor units in a system.

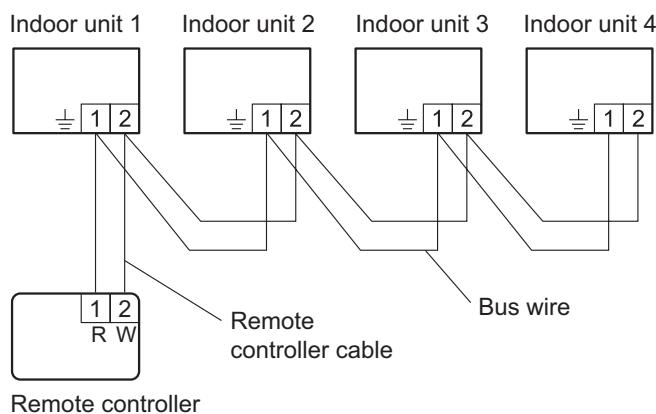


A, B, C, D, E: Remote controller cable

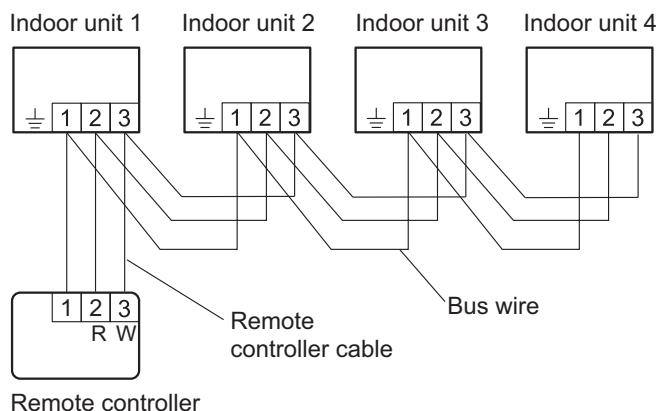
Wiring length limitation

$A + B + C + D + E \leq 500 \text{ m}$

Example of wiring method



Example of wiring method



2. Set the R.C. address. (Function setting)

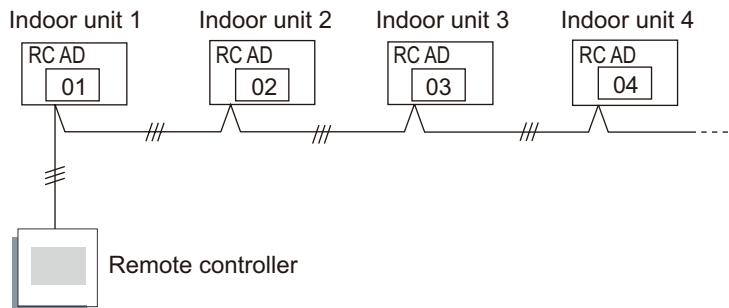
- Addresses will be automatically set when initially starting up this unit. In such a case, do not change the remote controller address for the indoor unit, and keep it at the initial setting of "00".
- Only set addresses manually when using different numbers for addresses.
Set the R.C. address of each indoor unit using the function setting. (Refer to "Remote controller address setting" in "[Contents of function setting](#)" on page 182.)

NOTES:

- Do not use the same setting value.
- Setting is reflected after the power is turned on again.
Also set the R.C. address for the remote controller. For details, refer to the remote controller installation manual.

NOTE: In manual setting, connect up to 15 indoor units in a system.

Example of wiring method

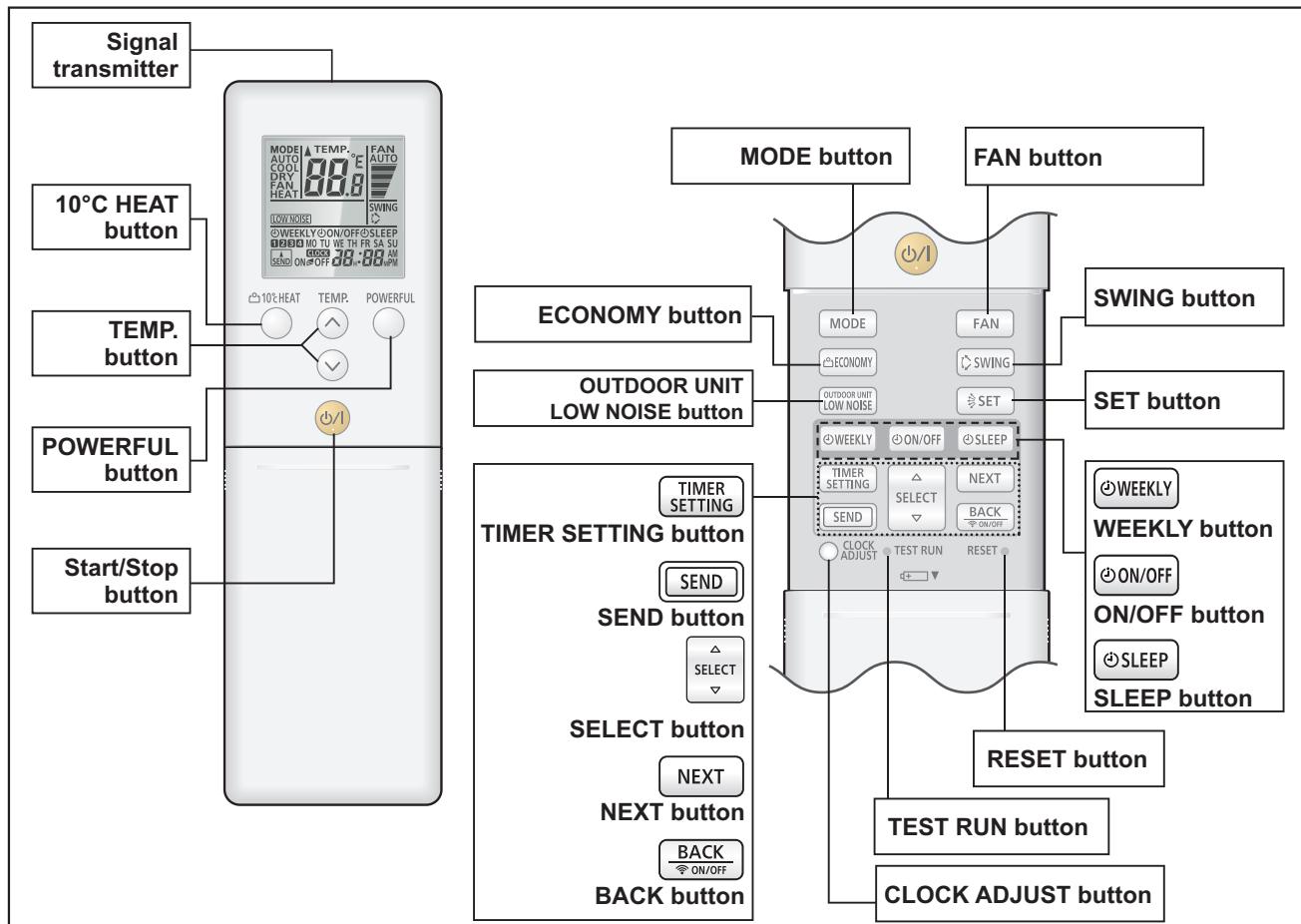


13. Remote controller

13-1. Wireless remote controller (AR-REW4E, AR-REM4E, and AR-REB1E)

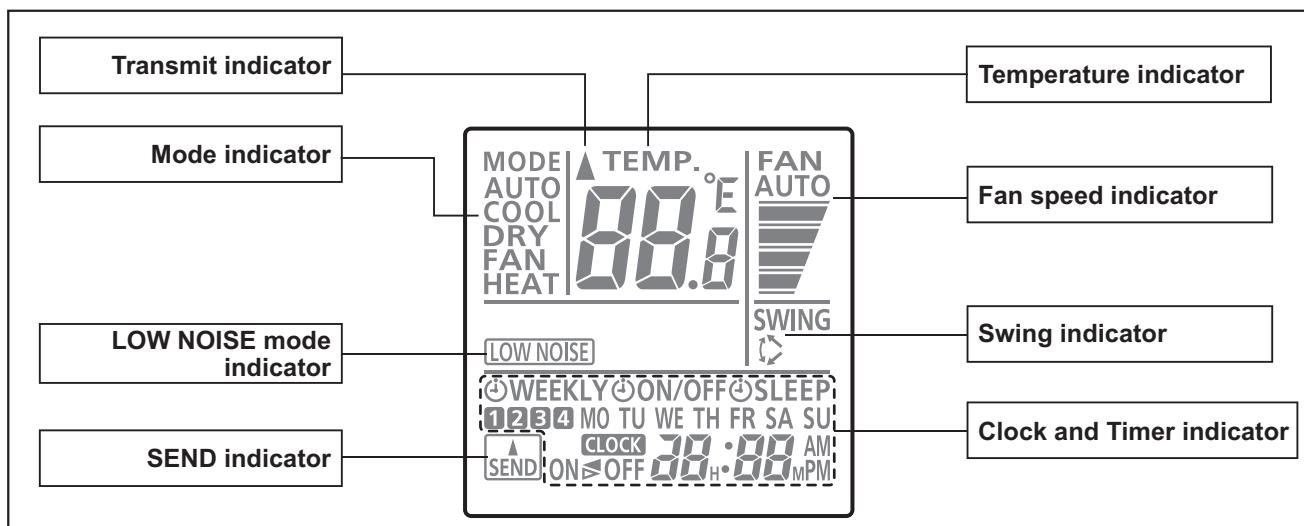
■ Overview

- AR-REW4E



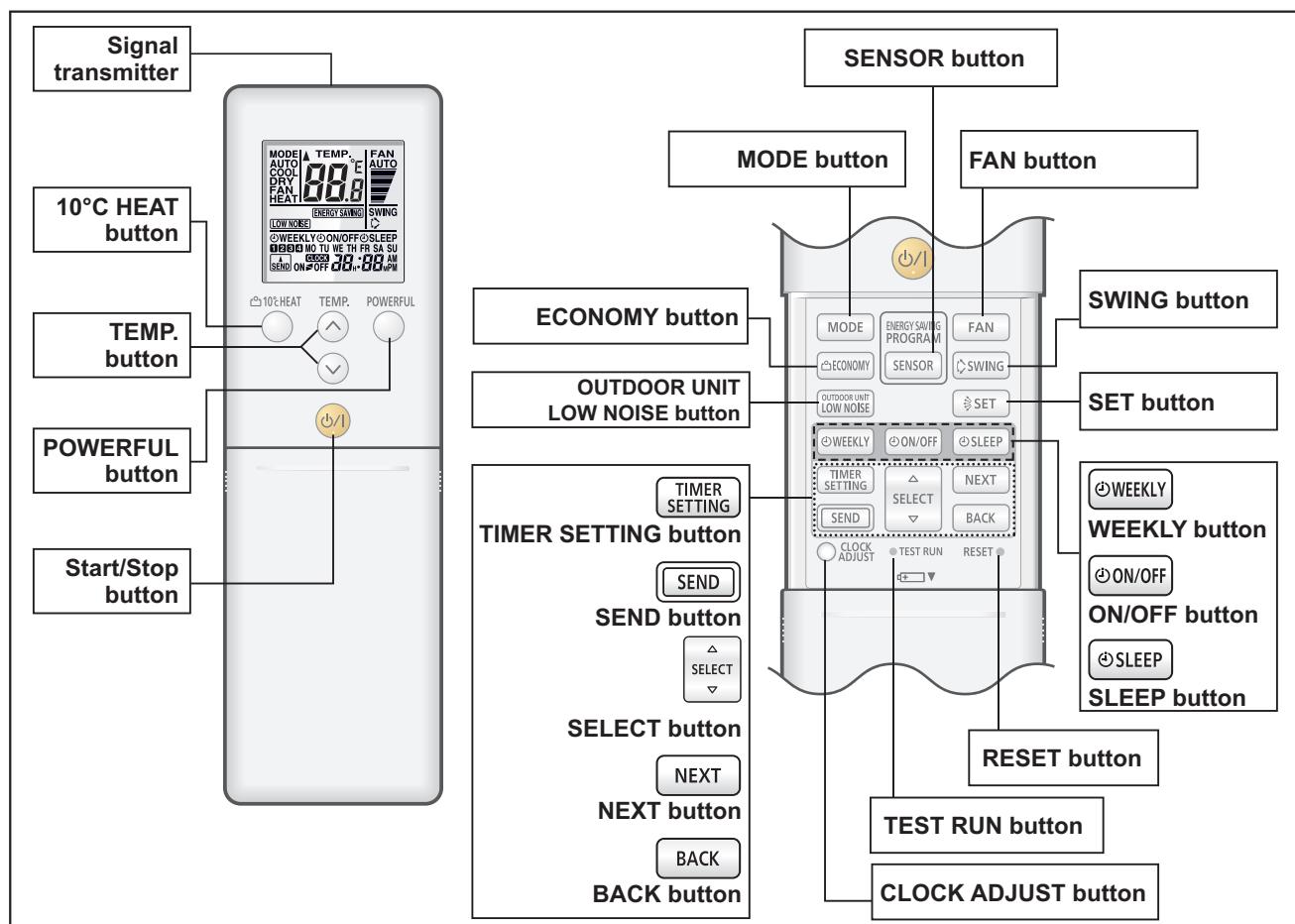
NOTE: Functions may differ by type of the indoor unit. For details, refer to the operation manual.

Display panel



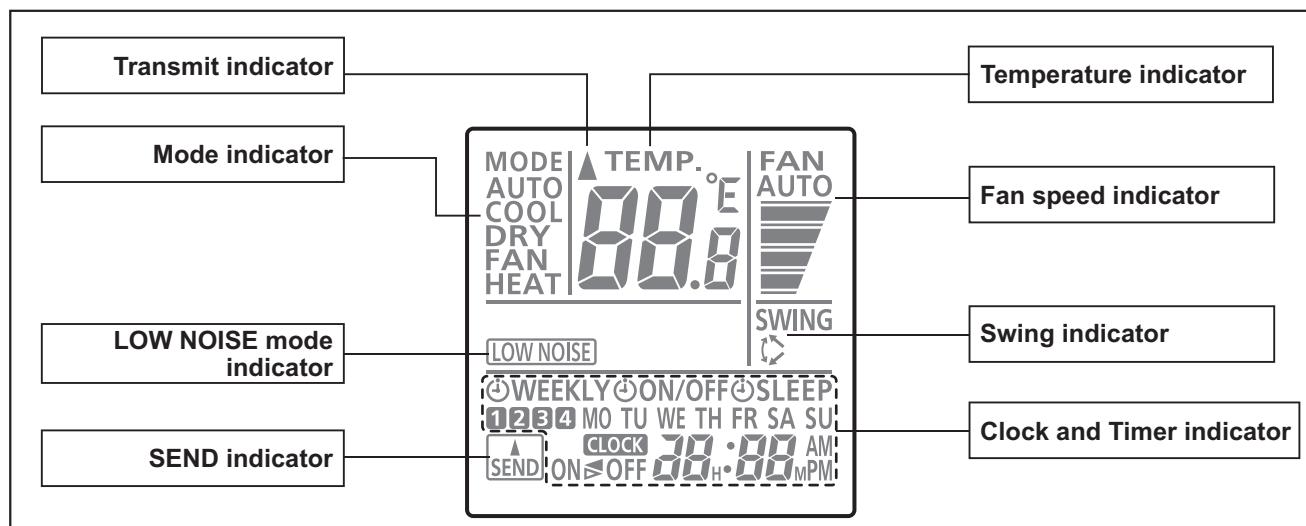
To facilitate explanation, the accompanying illustration has been drawn to show all possible indicators; in actual operation, however, the display will only show those indicators appropriate to the current operation.

- AR-REM4E



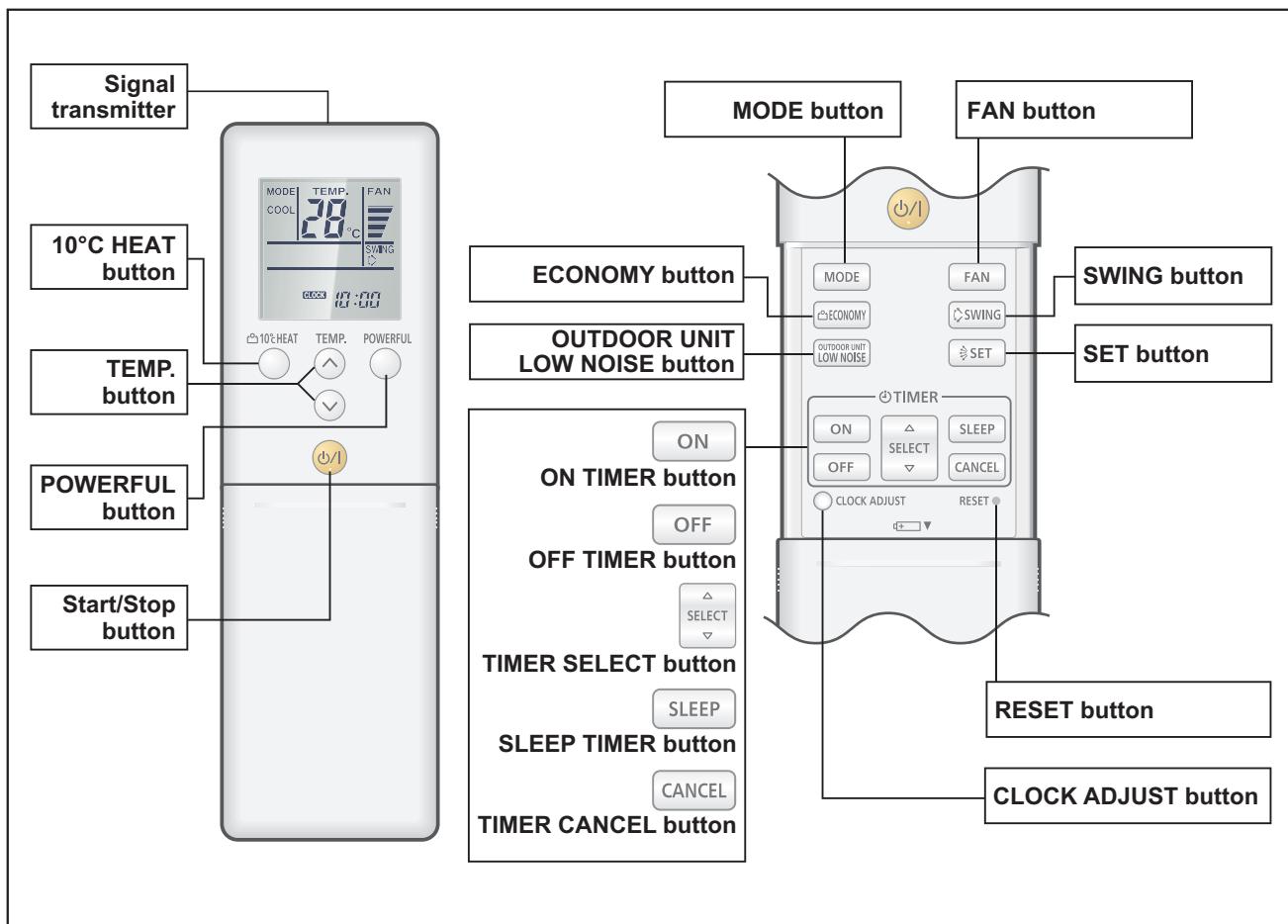
NOTE: Functions may differ by type of the indoor unit. For details, refer to the operation manual.

Display panel



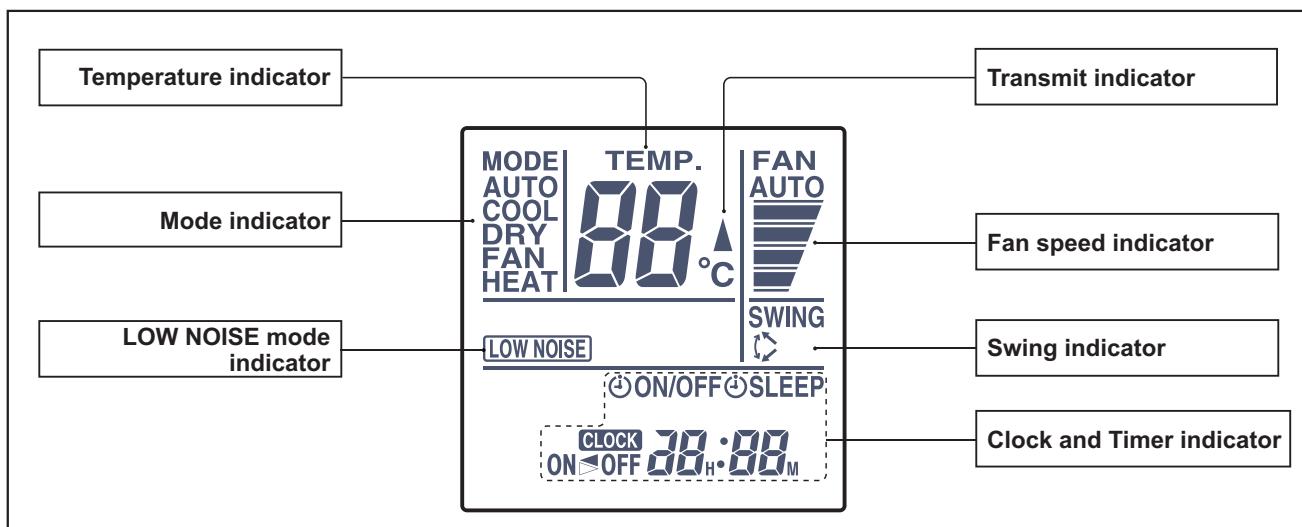
To facilitate explanation, the accompanying illustration has been drawn to show all possible indicators; in actual operation, however, the display will only show those indicators appropriate to the current operation.

• AR-REB1E



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

Display panel

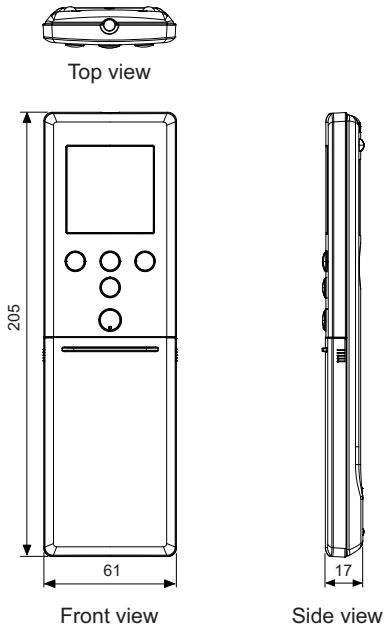


To facilitate explanation, the accompanying illustration has been drawn to show all possible indicators; in actual operation, however, the display will only show those indicators appropriate to the current operation.

■ Specifications

● Controller

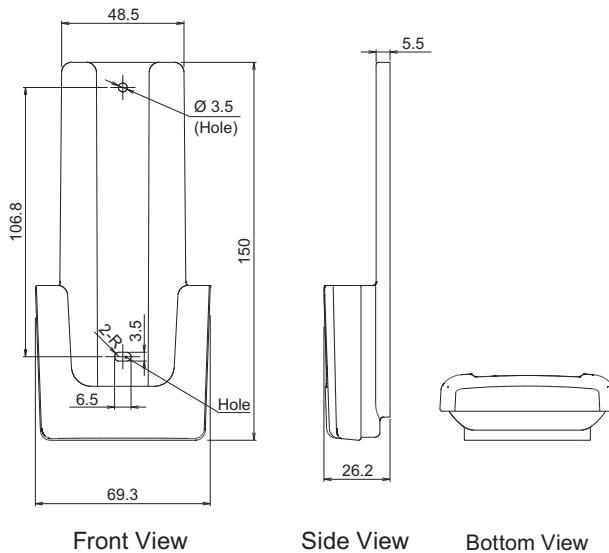
Unit: mm



Size (H × W × D)	mm	205 × 61 × 17
Weight	g	124 (without batteries)

● Holder

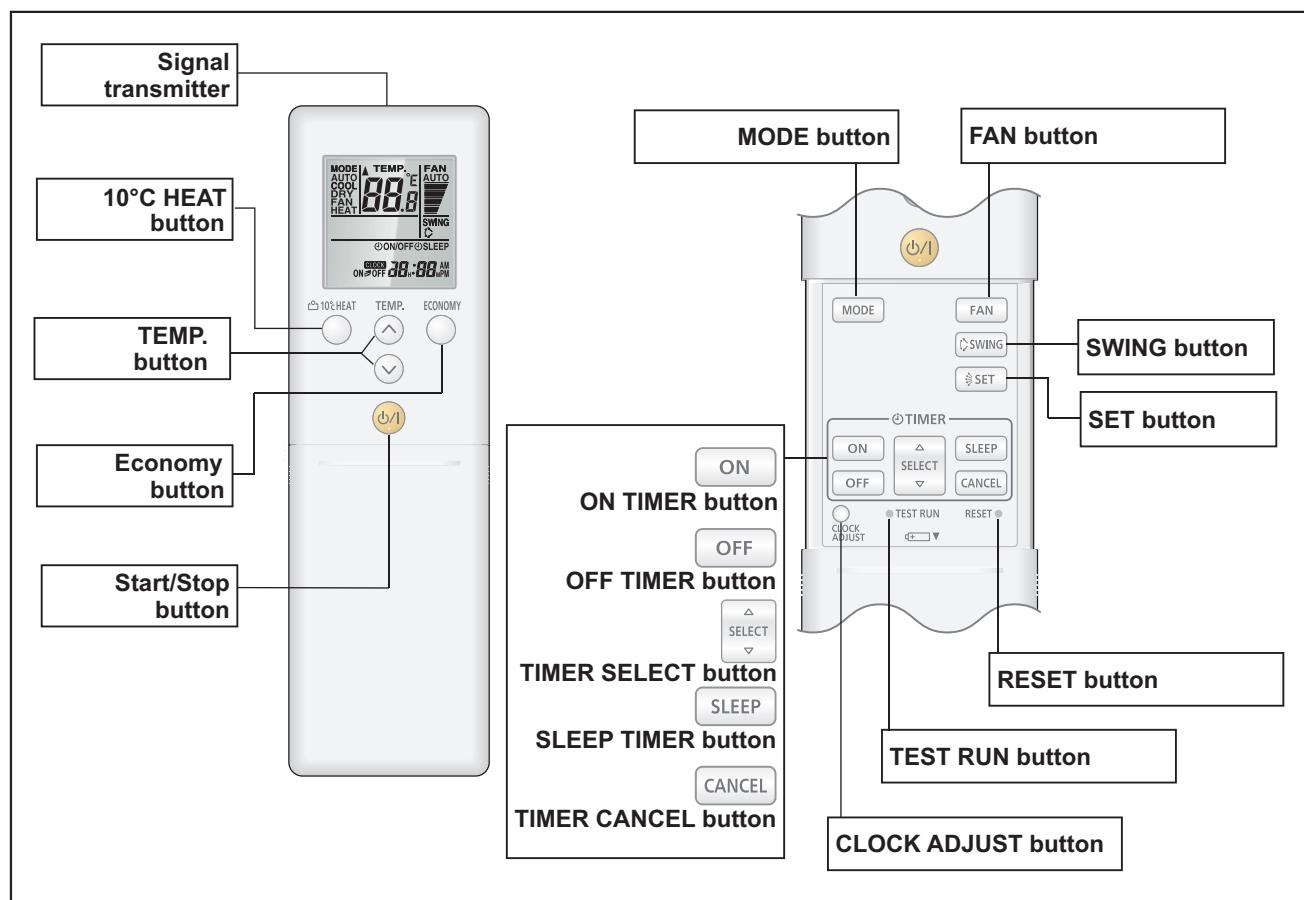
Unit: mm



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

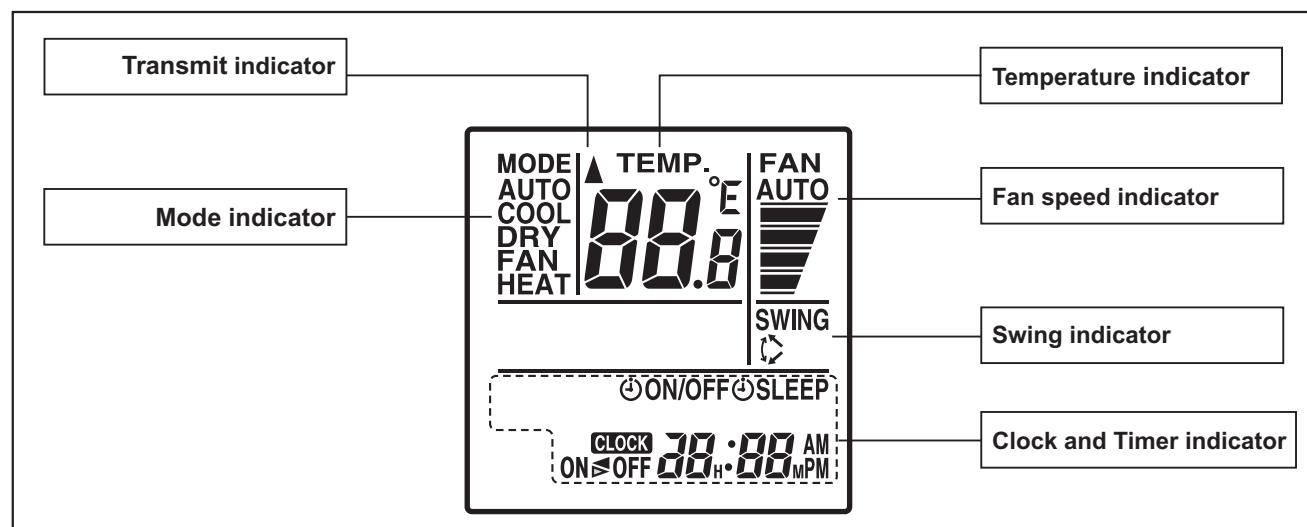
13-2. Wireless remote controller (UTY-LNTY: Optional part)

■ Overview



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

Display panel

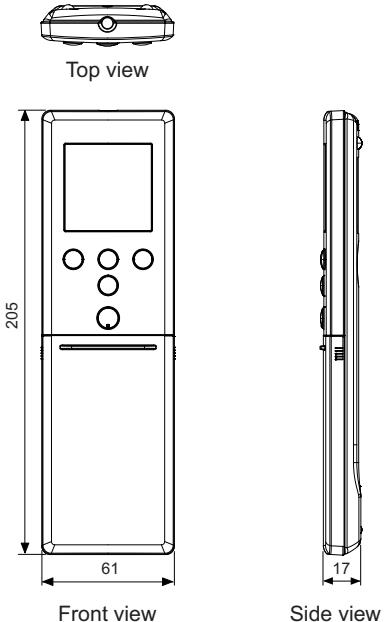


To facilitate explanation, the accompanying illustration has been drawn to show all possible indicators; in actual operation, however, the display will only show those indicators appropriate to the current operation.

■ Specifications

● Controller

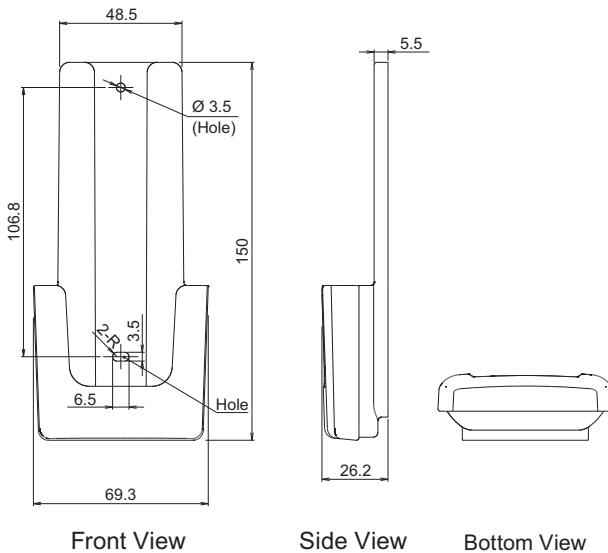
Unit: mm



Size (H × W × D)	mm	205 × 61 × 17
Weight	g	124 (without batteries)

● Holder

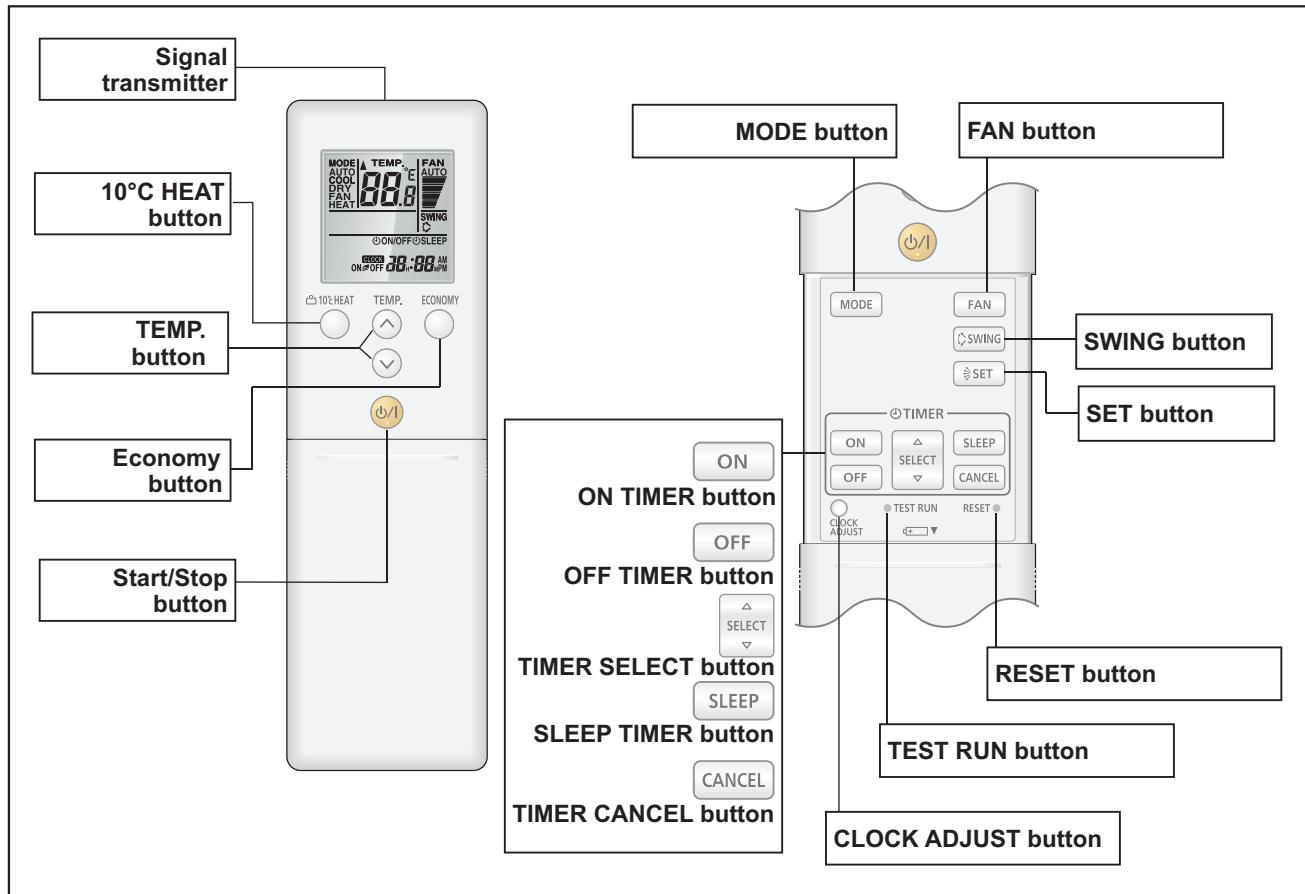
Unit: mm



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

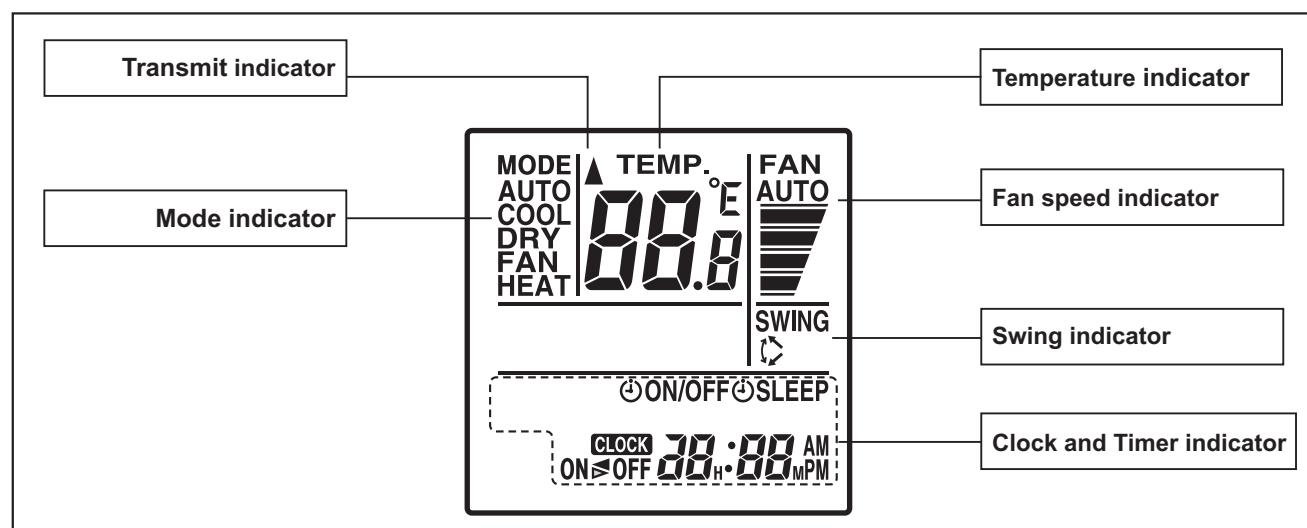
13-3. IR receiver kit with Wireless remote controller (UTY-LBTYM: Optional part)

■ Overview



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

Display panel

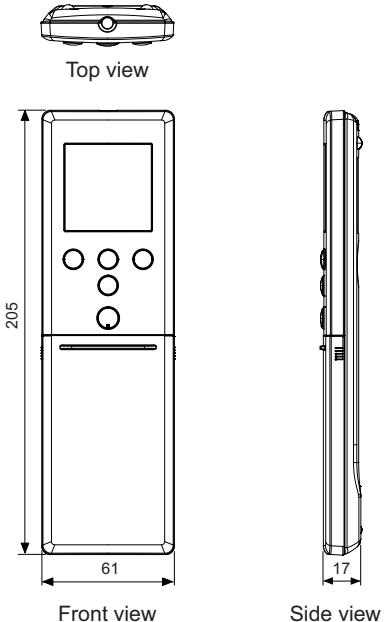


To facilitate explanation, the accompanying illustration has been drawn to show all possible indicators; in actual operation, however, the display will only show those indicators appropriate to the current operation.

■ Specifications

● Controller

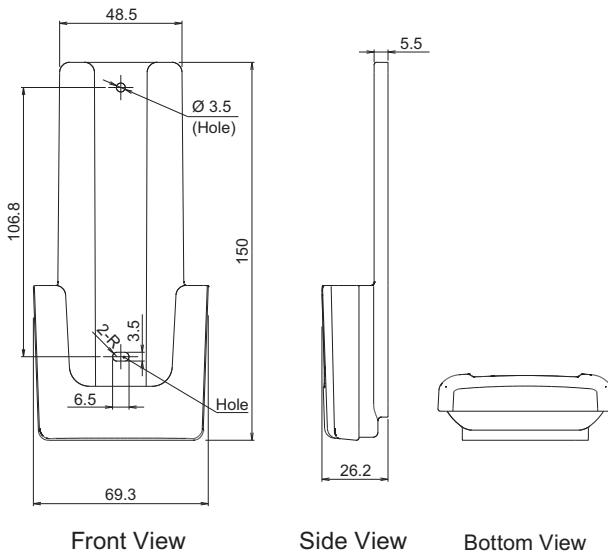
Unit: mm



Size (H × W × D)	mm	205 × 61 × 17
Weight	g	124 (without batteries)

● Holder

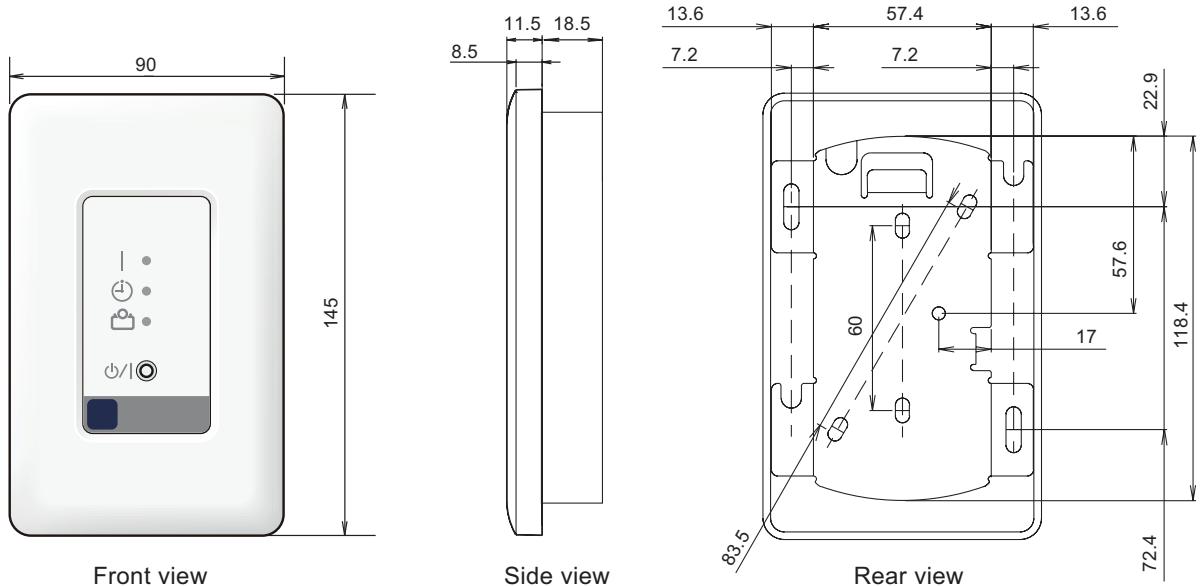
Unit: mm



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

● IR receiver

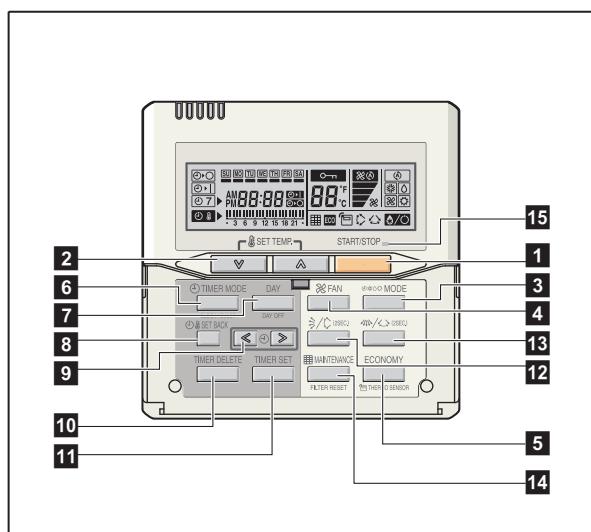
Unit: mm



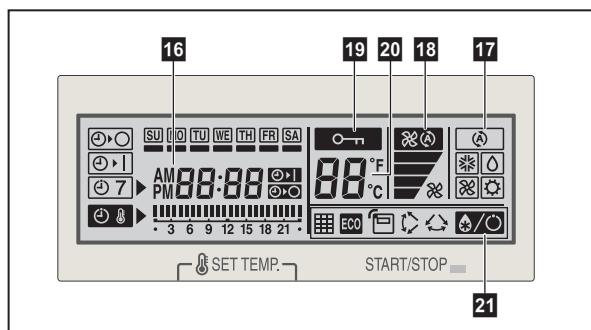
Size (H × W × D)	mm	145 × 90 × 30
Weight	g	150

13-4. Wired remote controller (UTY-RNNYM: Optional part)

■ Overview



Display panel



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

1 START/STOP button

Starts and stops operation.

2 SET TEMP. button

Selects the setting temperature.

3 MODE button

Selects the operating mode (AUTO , HEAT , FAN , COOL , and DRY).

4 FAN button

Selects the fan speed AUTO , QUIET , LOW , MED , and HIGH .

5 ECONOMY (THERMO SENSOR) button

Turns the economy-efficient mode on and off.

6 TIMER MODE (CLOCK ADJUST) button

Selects the timer mode (off timer, on timer, and weekly timer). Sets the current time.

7 DAY (DAY OFF) button

Temporarily cancels one day timer.

8 SET BACK button

Selects the set back timer.

9 Set time button

Pressed to set time.

10 TIMER DELETE button

Deletes the weekly timer schedule.

11 TIMER SET button

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

12 Vertical airflow direction and swing button

Push for 2 seconds to change the swing mode.

13 Horizontal airflow direction and swing button

Push for 2 seconds to change the swing mode.

14 FILTER RESET button

15 Operation lamp

Lights during operation and when the timer is on.

16 Timer and clock indicator

17 Operation mode indicator

18 Fan speed indicator

19 Operation lock indicator

20 Temperature indicator

21 Function indicators

Defrost indicator

Thermo sensor indicator

Economy indicator

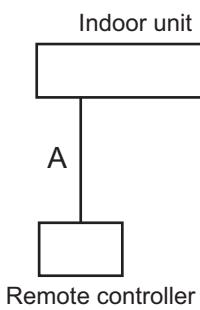
Vertical swing indicator

Horizontal swing indicator

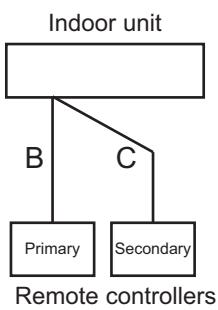
Filter indicator

■ System diagram

1 remote controller:



2 remote controllers:

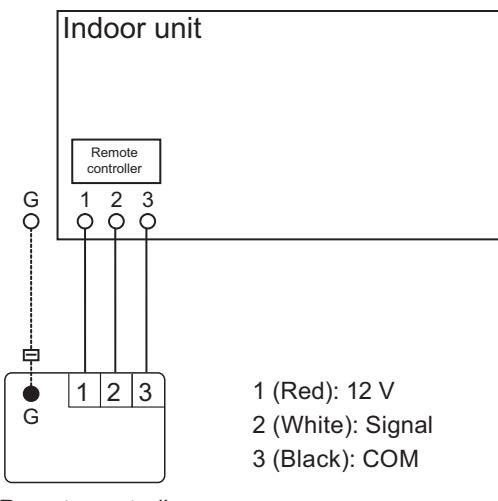


A, B, C: Remote controller cable

$A \leq 500\text{ m}; B + C \leq 500\text{ m}$

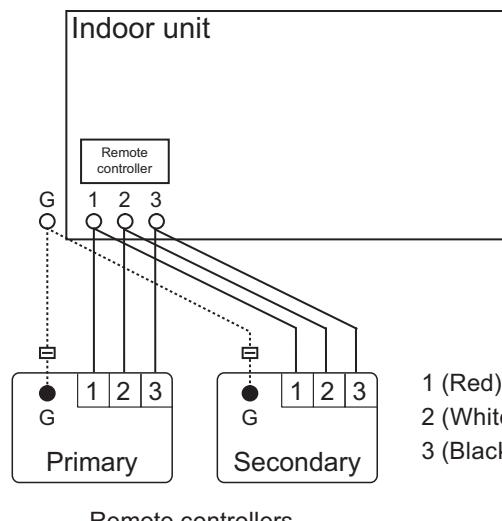
■ Electrical wiring

1 remote controller:



Remote controller

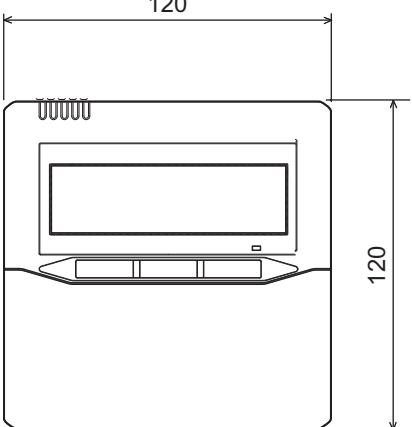
2 remote controllers:



Remote controllers

■ Specifications

Dimensions and other specifications on the wired remote controller are as follows.

			Unit: mm
	Front view		Side view
Size (H × W × D)	mm		120 × 120 × 18
Weight	g		160
Cable length (accessory)	m		10
Power	V		12

● Wiring specifications

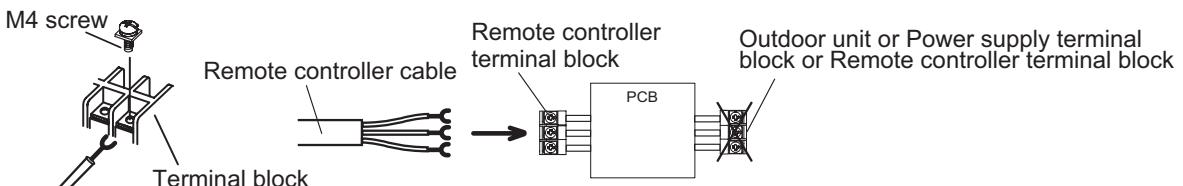
Use	Cable size	Wire type	Remarks
Remote controller cable	0.33 mm ² (22 AWG)	Polar 3-core	Use sheathed PVC cable.

■ Installation

Connection pattern of wired remote controller varies by the type of the connected indoor unit.

● When connecting to terminal block (for Compact cassette, Slim duct, and Mini duct types)

Connect the end of remote controller cable directly to the exclusive terminal block.



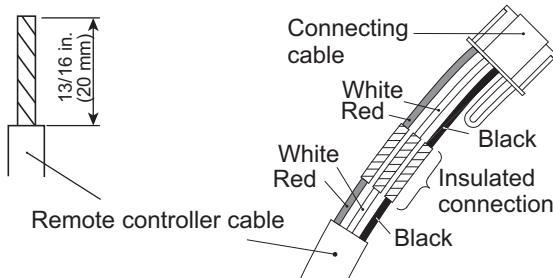
NOTE: It may be failed if it is connected to the outdoor unit or the terminal block for power supply.

● When connecting to Communication kit (for KM models in Wall mounted type)

When connecting the remote controller to optional Communication kit, follow the procedures mentioned below.

1. Modify the remote controller cable as follows:

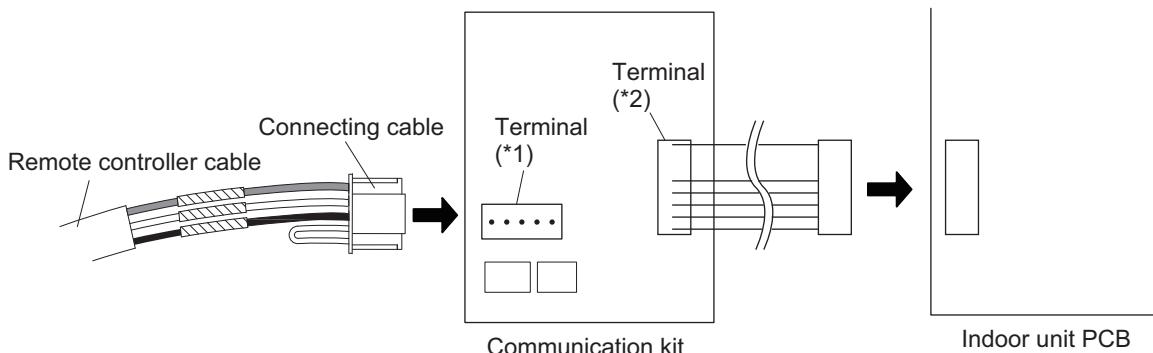
- Use a tool to cut off the terminal on the end of the remote controller cable and then remove the insulation from the cut end of the cable as shown in following figure.
- Connect the remote controller cable and connecting cable as shown in following figure.
- Be sure to insulate the connection between the cables.



2. Connect the remote controller cable.

- Connect the cable made in step 1. to the terminal^{*1} of optional Communication kit.
- Connect the cable from the terminal^{*2} of Communication kit to the indoor unit PCB.

^{*1}: CNC01 on UTY-TWBXF2
^{*2}: CND01 on UTY-TWBXF2



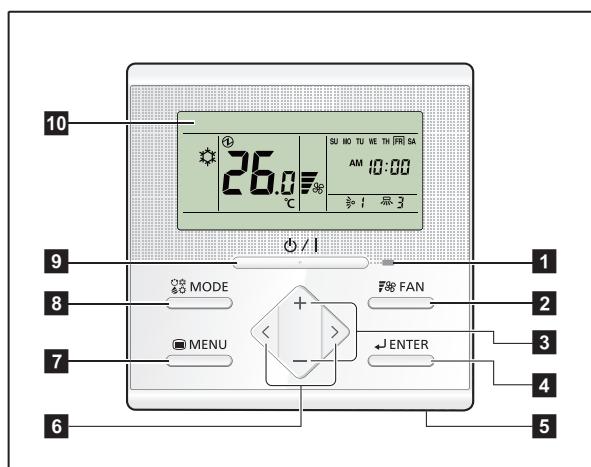
■ Required optional parts

Required optional parts for connecting the wired remote controller to the wall mounted type are as follows.

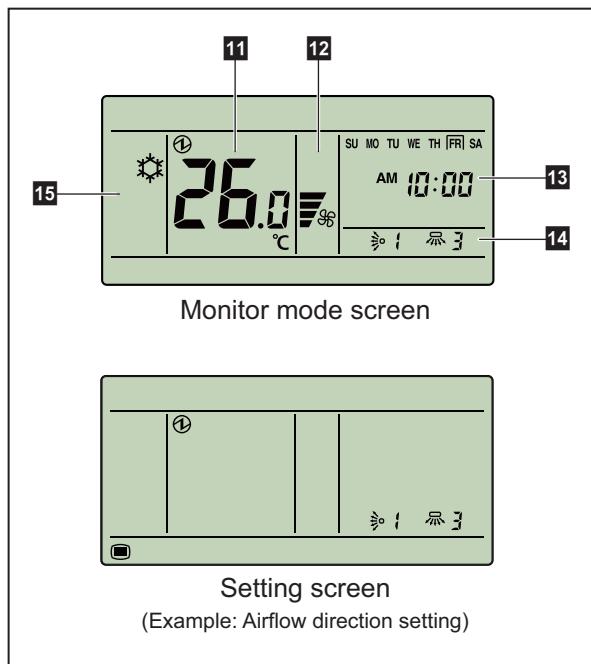
Part name	Model name
External connect kit	UTY-TWBXF2
Communication kit	UTY-XWZXZ5

13-5. Wired remote controller (UTY-RLRY: Optional part)

■ Overview



Display panel



NOTE: For individual icons in Setting screen and related functions, refer to the operation manual.

1 LED lamp (Operation indicator)

Lights while the indoor unit is operating. Blinks when an error occurred.

2 FAN button

Each time the button is pressed, fan speed switches as follows:



3 +, - buttons (Set temperature buttons)

Used to adjust temperature in Monitor mode screen.

+ button: Raise

- button: Lower

In Setting screen, used to select the setting items.

NOTE: When the operation mode is set to FAN, the temperature cannot be adjusted.

4 ENTER button

Used to enter setting items and settings.

5 Room temperature sensor (inside)

Senses ambient temperature of unit.

6 <, > buttons

Used to select setting items during the setting item selection screen is displayed.

7 MENU button

Used to display the setting item selection screen.

8 MODE button

Each time the button is pressed, operation mode switches as follows:



9 On/Off button

Starts or stops the operation.

NOTE: On/Off button cannot be operated at screens other than the Monitor mode screen.

10 Display panel

Displays Monitor mode screen or Setting screen.

Monitor mode screen is home screen of this controller, and the basic operation is performed in this screen.

In Setting screen, several settings are adjustable.

11 Temperature indicator

12 Fan speed indicator

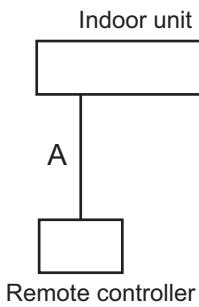
13 Clock indicator

14 Airflow direction indicator

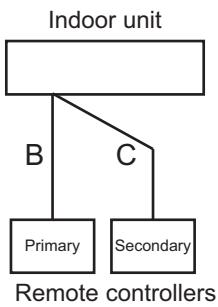
15 Operation mode indicator

■ System diagram

1 remote controller:



2 remote controllers:

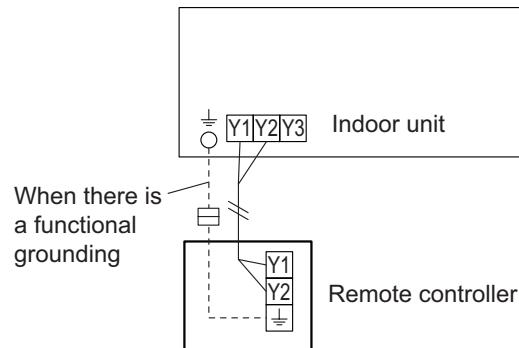


A, B, C: Remote controller cable

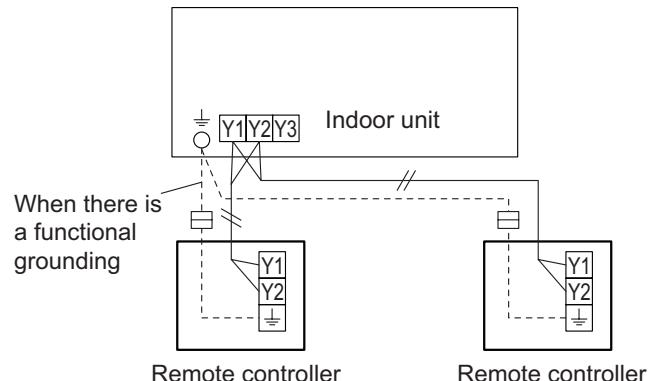
$A \leq 500\text{ m}; B + C \leq 500\text{ m}$

■ Electrical wiring

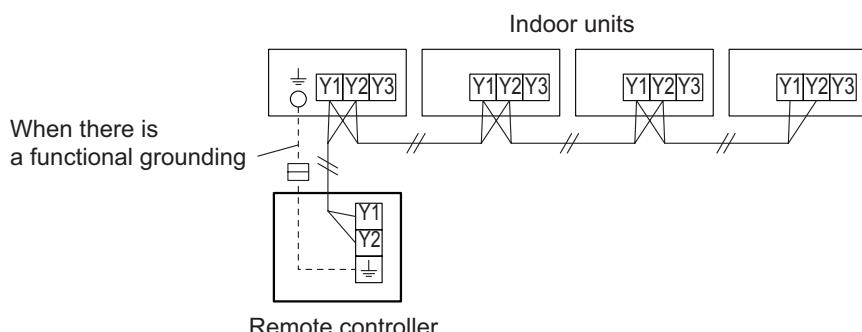
1 remote controller:



2 remote controllers:



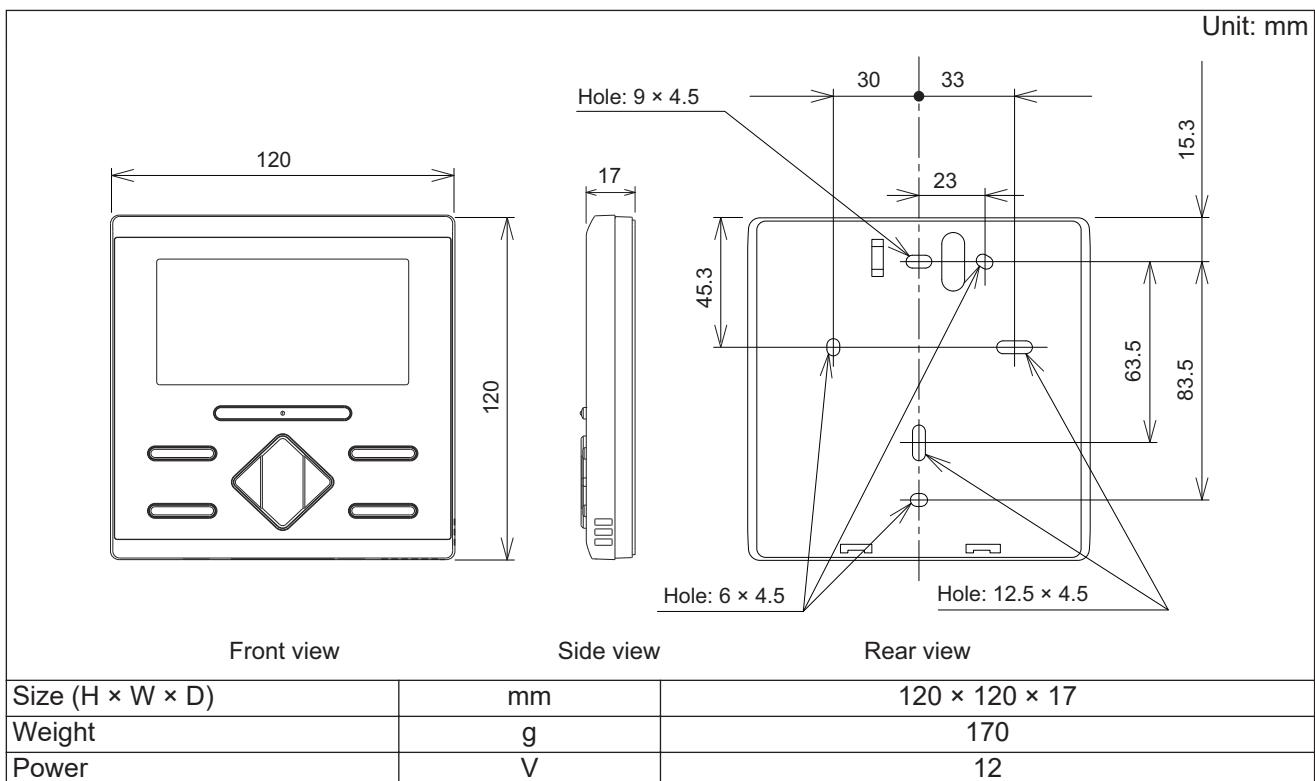
Group control:



NOTE: Group connection with Polar 3-wired remote controller is not allowed.

■ Specifications

Dimensions and other specifications on the wired remote controller are as follows.

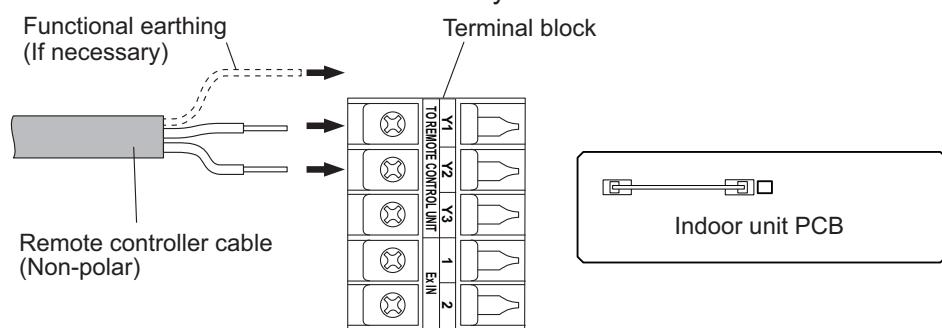


● Wiring specifications

Use	Cable size	Wire type	Remarks
Remote controller cable	0.33 to 1.25 mm ²	Non-polar 2-core, Twisted pair	Use sheathed PVC cable.

■ Installation

Connect the end of remote controller cable directly to the exclusive terminal block.

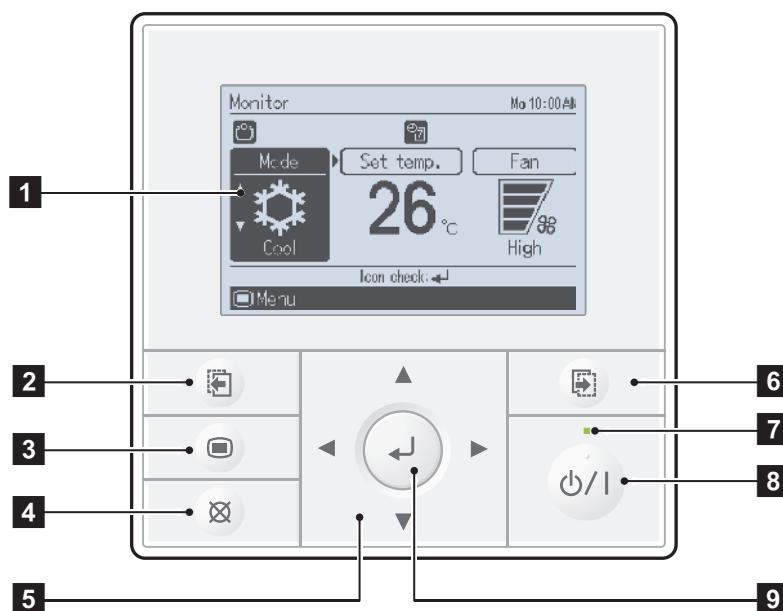


NOTES:

- Layout of terminal block and PCB is varies depending on the type of indoor unit.
- Operation may fail if it is connected to the outdoor unit or the terminal block for power supply.

13-6. Wired remote controller (UTY-RVNYM: Optional part)

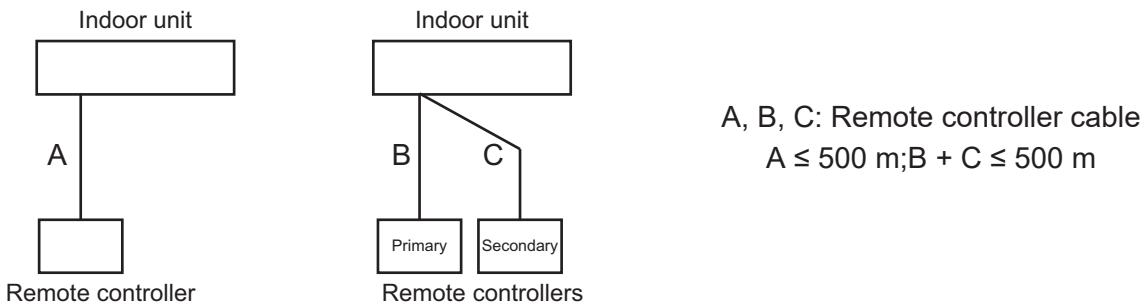
■ Overview



- 1** Display panel (with backlight)
- 2** Screen switch button (Left)
- 3** Menu button
- 4** Cancel button
- 5** Cursor button
- 6** Screen switch button (Right)
- 7** Power indicator
- 8** On/off button
- 9** Enter button

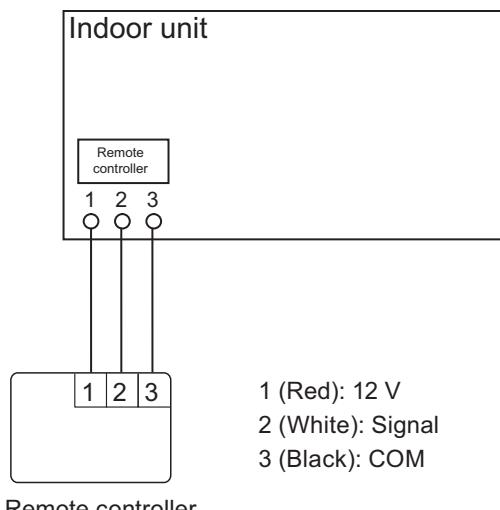
■ System diagram

1 remote controller: **2 remote controllers:**



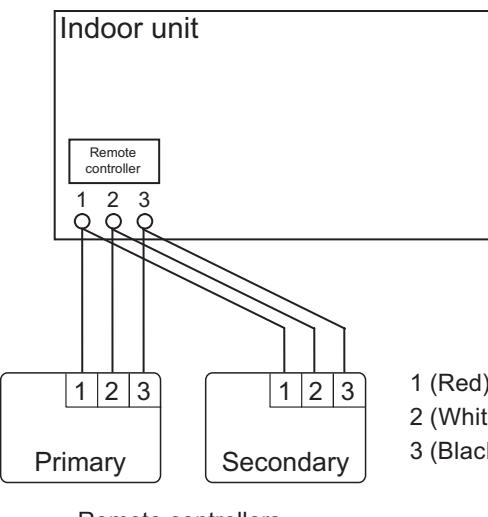
■ Electrical wiring

1 remote controller:



Remote controller

2 remote controllers:

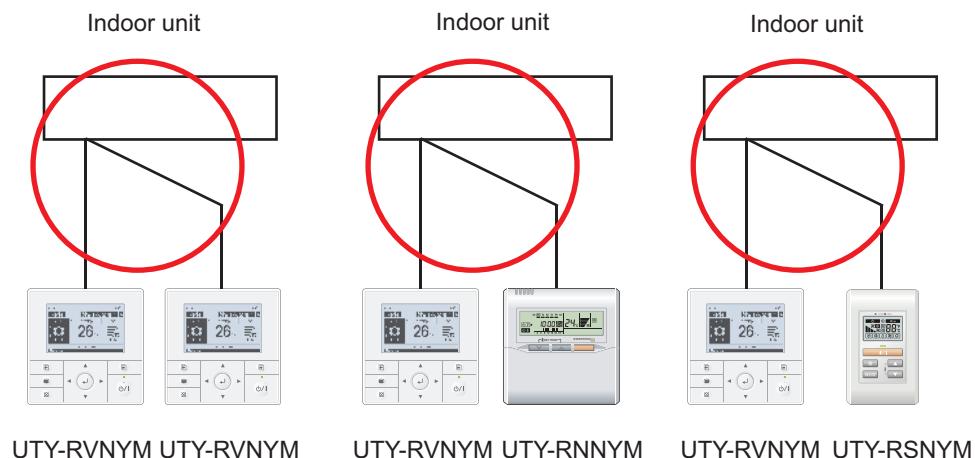


Remote controllers

■ Controller combination

As for the combined usage of the controller, refer to following figures.

● Good



■ Specifications

Unit: mm

Front view

Side view

Size (H × W × D)	mm	120 × 120 × 21.3
Weight	g	220

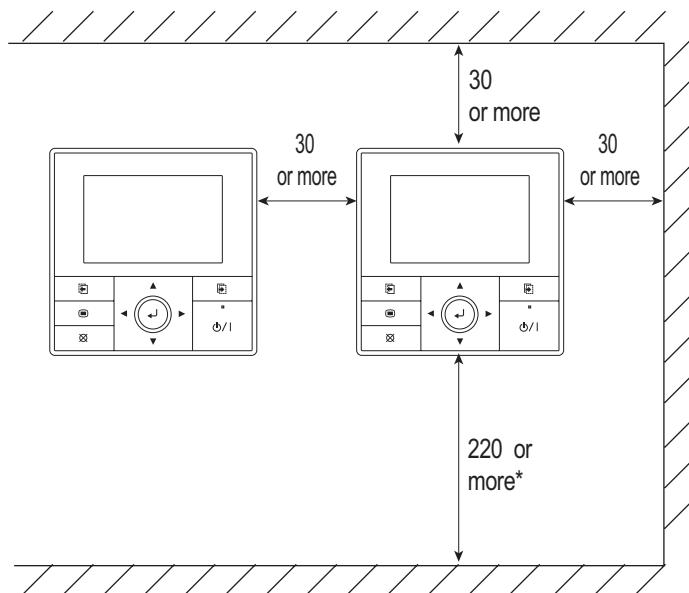
● Wiring specifications

Use	Cable size	Wire type	Remarks
Remote controller cable	0.33 mm ²	Polar 3 core	Use sheathed PVC cable.

■ Installation (Remote control main unit)

Installation space:

Unit : mm

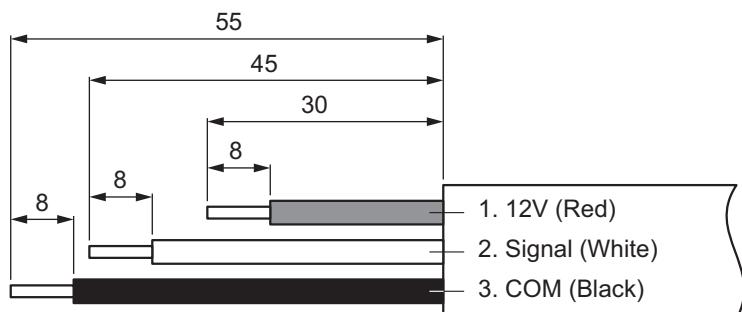


NOTE: Secure enough space where a flat-blade screwdriver to remove the case can be inserted.

Installation procedures:

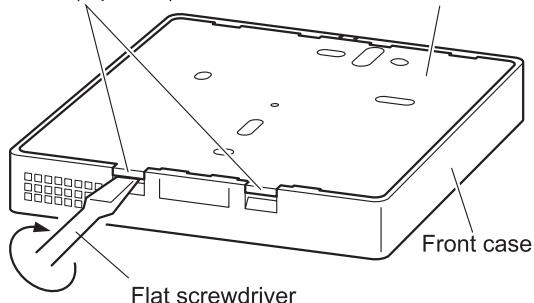
1. Process the remote controller cable.

Unit : mm



2. Insert the flat-blade screwdriver and twist it slightly to separate the front case and rear case.

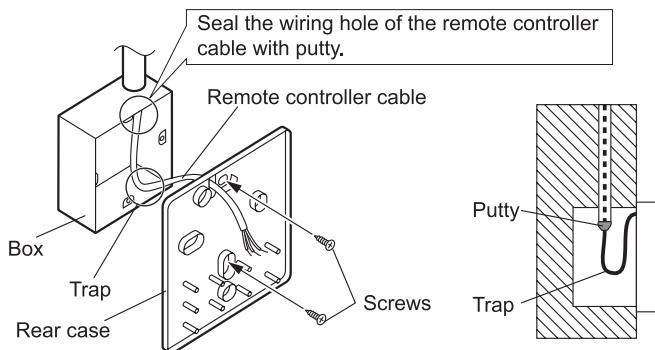
Hooks (2 places) Rear case



3. Attach the remote controller.

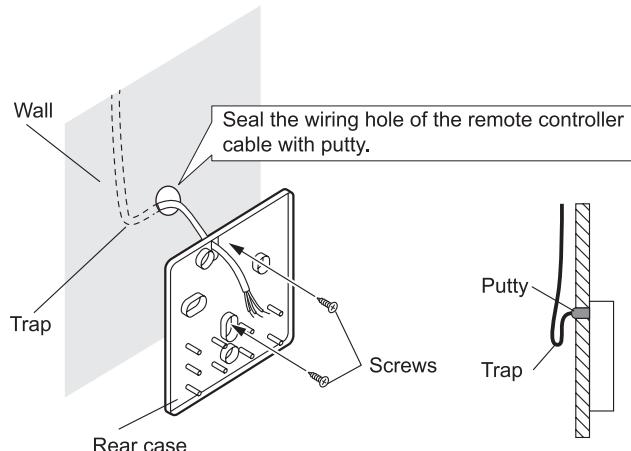
• When attaching to switch box:

- Seal the wiring hole of the remote controller cable.
- Put a remote controller cable through the hole of the rear case.
- Fix the rear case by securing it with attached screws (2 places).



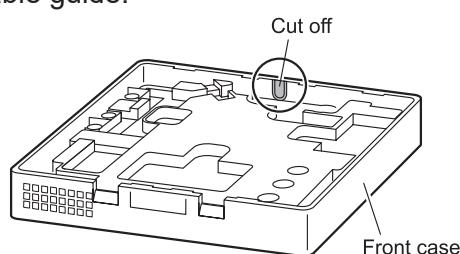
• When attaching to the wall directly:

- Seal the wiring hole of the remote controller cable.
- Put a remote controller cable through the back hole of the rear case of the main body.
- Fix the rear case by securing it with attached screws (2 places).

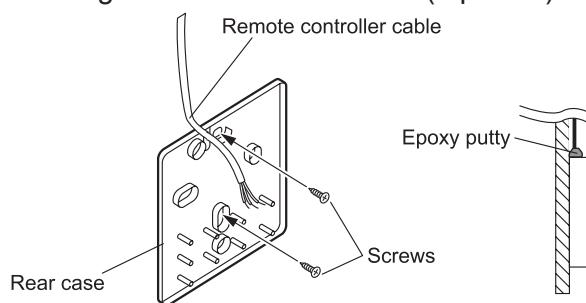


• When routing the cable on-wall:

- Cut off the cable guide of the front case with using a knife or a nipper.
- Deburr the edge of the cable guide.

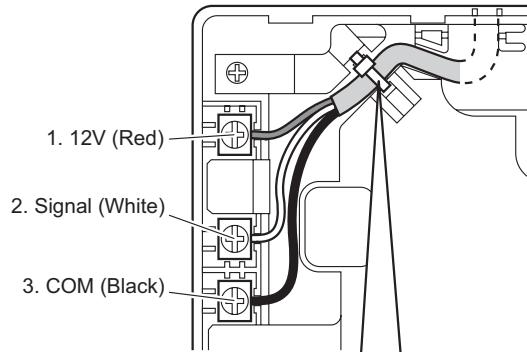


- Fix the rear case by securing it with attached screws (2 places).

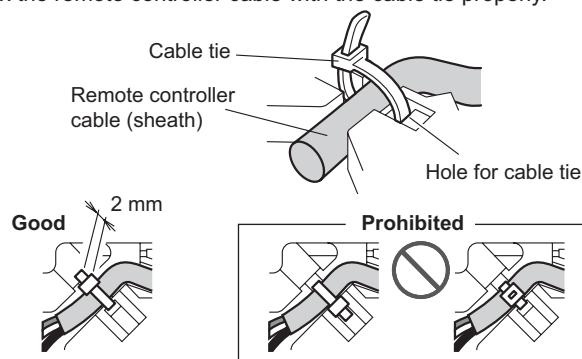


4. Connect the cable to the terminals on the front case.
Fix the cable together with the sheath with the cable tie. Cut off the excess cable tie.

Tightening torque	
Terminal screw	0.8 to 1.2 N·m



To avoid an excessive tension or pressure to the terminal block, fix the remote controller cable with the cable tie properly.

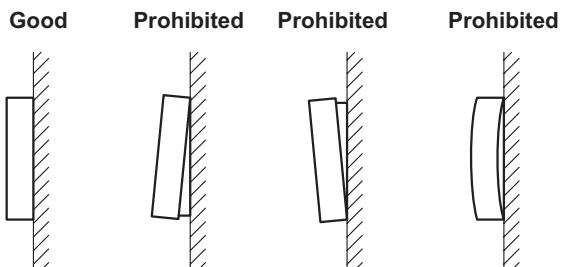
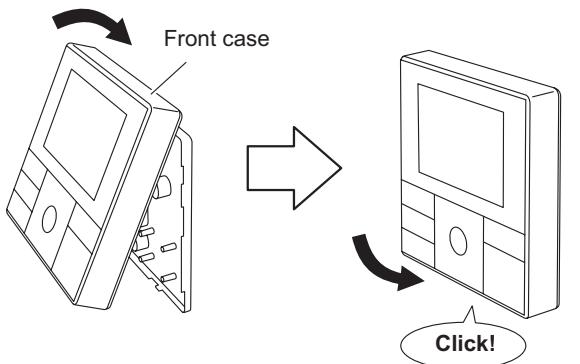


⚠ CAUTION

- Be careful to avoid breaking the cable by over-tightening the cable tie.
- When connecting the remote controller cables, do not over-tighten the screws.

5. Attach the front case.

- Insert after adjusting upper part of front case.
- When insert the front case, do not pinch the cable.



⚠ CAUTION

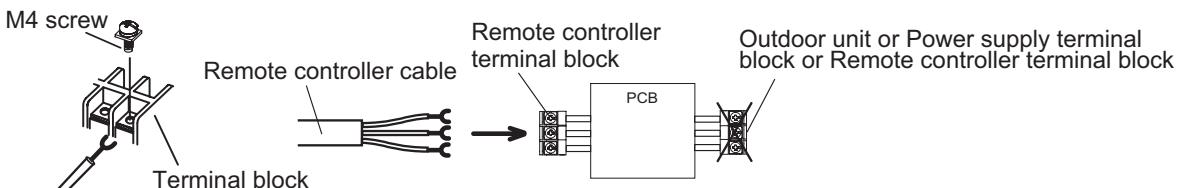
Insert the upper case firmly. If improperly attached, it will cause the upper case to fall off.

■ Installation

Connection pattern of wired remote controller varies by the type of the connected indoor unit.

● When connecting to terminal block (for Compact cassette, Slim duct, and Mini duct types)

Connect the end of remote controller cable directly to the exclusive terminal block.



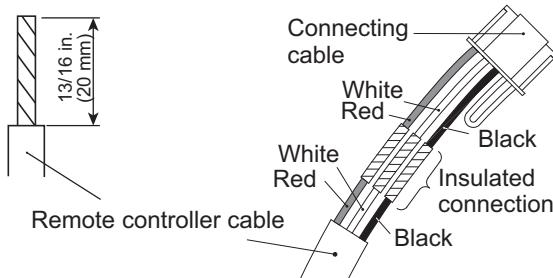
NOTE: It may be failed if it is connected to the outdoor unit or the terminal block for power supply.

● When connecting to Communication kit (for KM models in Wall mounted type)

When connecting the remote controller to optional Communication kit, follow the procedures mentioned below.

1. Modify the remote controller cable as follows:

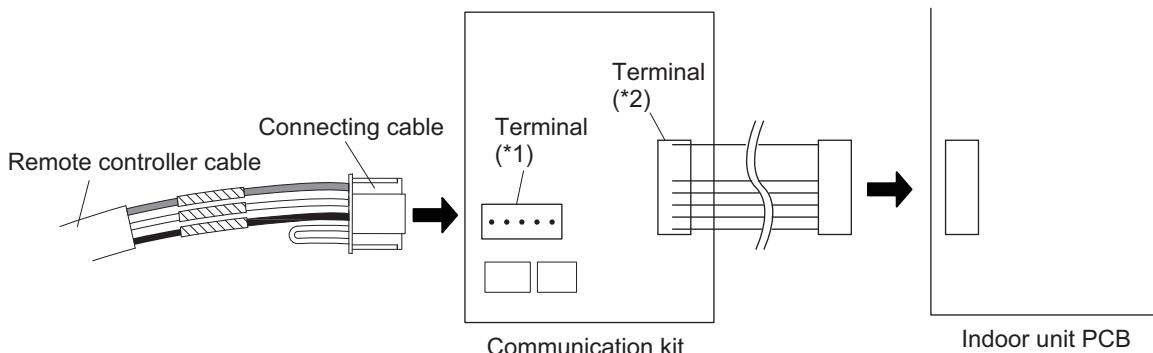
- Use a tool to cut off the terminal on the end of the remote controller cable and then remove the insulation from the cut end of the cable as shown in following figure.
- Connect the remote controller cable and connecting cable as shown in following figure.
- Be sure to insulate the connection between the cables.



2. Connect the remote controller cable.

- Connect the cable made in step 1. to the terminal^{*1} of optional Communication kit.
- Connect the cable from the terminal^{*2} of Communication kit to the indoor unit PCB.

^{*1}: CNC01 on UTY-TWBXF2
^{*2}: CND01 on UTY-TWBXF2



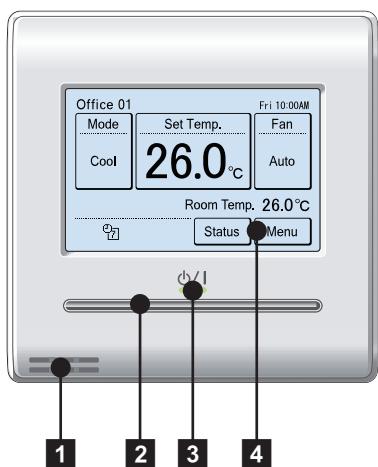
■ Required optional parts

Required optional parts for connecting the wired remote controller to the wall mounted type are as follows.

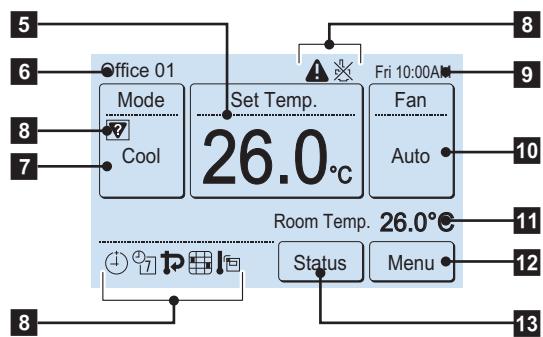
Part name	Model name
External connect kit	UTY-TWBXF2
Communication kit	UTY-XWZXZ5

13-7. Wired remote controller (UTY-RNRYZ*: Optional part)

■ Overview



Display panel



1 Remote temperature sensor (inside)

2 On/off button

Operable only while displaying the "Monitor mode" screen.

3 LED lamp (operation indicator)

4 Touch panel display

5 Set temperature

Operating temperature can be set.

6 Remote controller group name

7 Mode

Operation mode can be set.

8 Status icons

9 Clock

10 Fan

Fan speed can be set.

11 Room temperature

12 Menu

Various settings can be set.

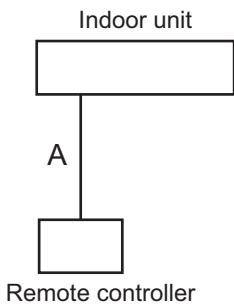
13 Status

Status of the indoor unit and error can be checked.

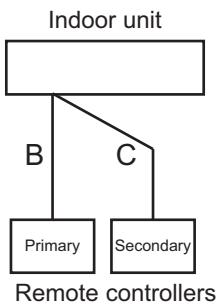
NOTE: Functions may differ by type of the indoor unit. For details, refer to the operation manual.

■ System diagram

1 remote controller:



2 remote controllers:

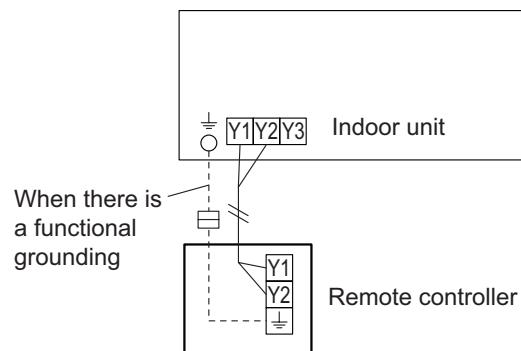


A, B, C: Remote controller cable

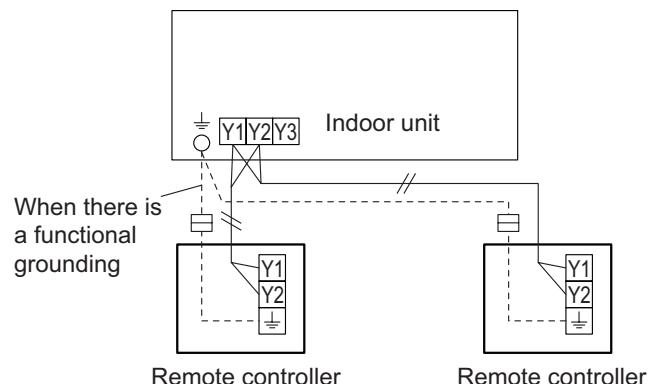
$A \leq 500\text{ m}; B + C \leq 500\text{ m}$

■ Electrical wiring

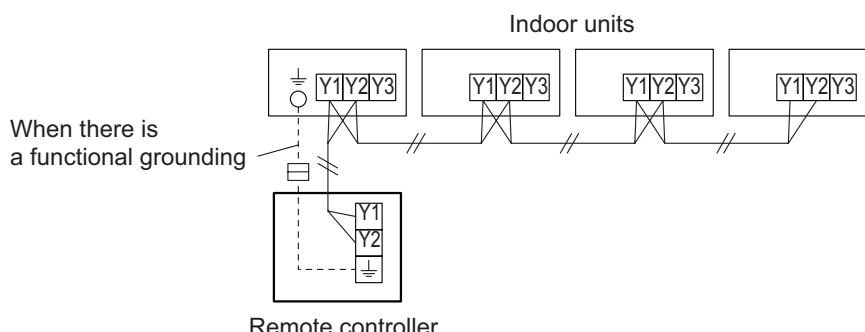
1 remote controller:



2 remote controllers:



Group control:

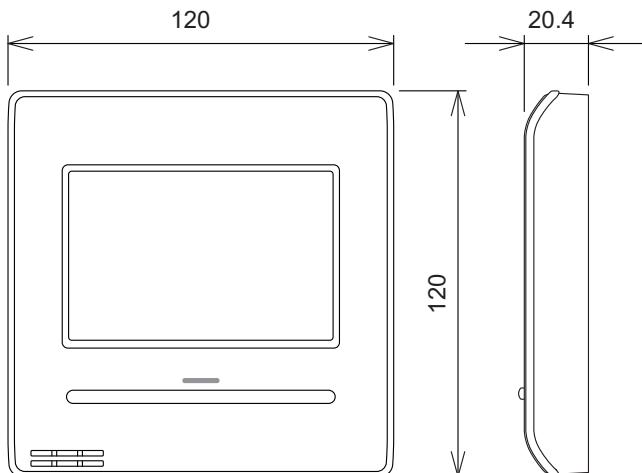


NOTE: Group connection with Polar 3-wired remote controller is not allowed.

■ Specifications

Dimensions and other specifications on the wired remote controller are as follows.

[Unit : mm]



Model name	UTY-RNRYZ*	
------------	------------	--

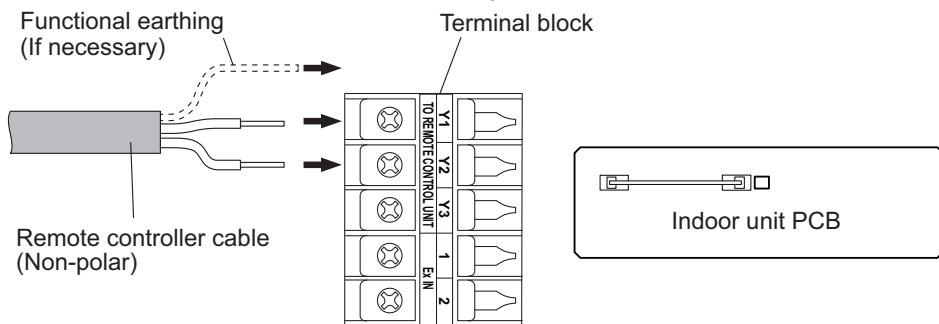
Display	3.8-inch FSTN LCD (255 × 160 dots) with touch panel	
Dimensions (H × W × D)	mm	120 × 120 × 20.4
Weight	g	220
Input voltage	V	DC 12
Power consumption	W	Max. 0.3
Usage temperature range	°C	0 to 40
Usage humidity range	%	20 to 90 (no condensation)
Storage temperature range	°C	-10 to 60
Storage humidity range	%	20 to 90 (no condensation)

● Wiring specifications

Use	Cable size	Wire type	Remarks
Remote controller cable	0.33 to 1.25 mm ²	Non-polar 2-core, Twisted pair	Use sheathed PVC cable.

■ Installation

Connect the end of remote controller cable directly to the exclusive terminal block.

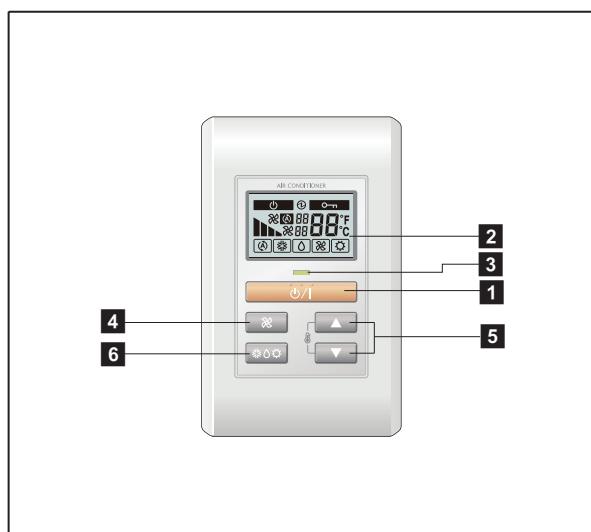


NOTES:

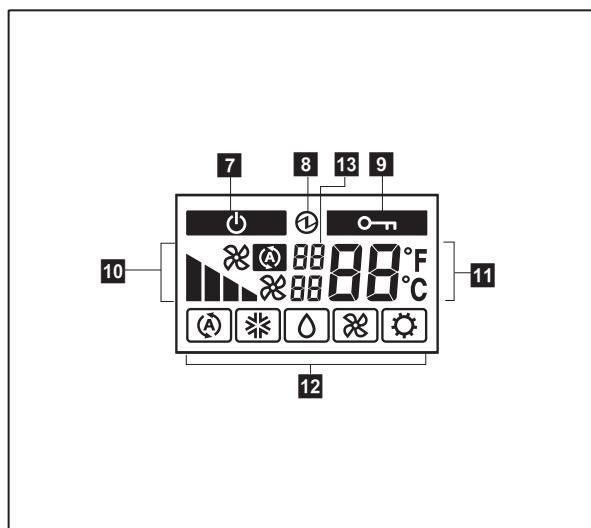
- Layout of terminal block and PCB is varies depending on the type of indoor unit.
- Operation may fail if it is connected to the outdoor unit or the terminal block for power supply.

13-8. Simple remote controller (UTY-RSNYM: Optional part)

■ Overview



Display panel



1 START/STOP button

Starts and stops operation.

2 Display backlight button

Lights during operation.

3 Operation lamp

Lights during operation.

4 FAN button

Selects the fan speed (AUTO \circ , HIGH \blacksquare , MED \blacksquare , LOW \blacksquare , and QUIET \circ).

5 SET TEMP. button

Selects the setting temperature.

6 MODE button

Selects the operating mode (AUTO \wedge , COOL \circ , DRY \wedge , FAN \circ , HEAT \circ).

7 Standby indicator

Indicates during the oil recovery and defrosting operation.

8 Power source indicator

Indicates the main power is on.

9 Central control indicator

Indicates when function is locked.

10 Fan speed indicator

Deletes the weekly timer schedule.

11 Set temperature

- Indicates error history number in error code history display mode.
- Indicates indoor unit address in address display mode.

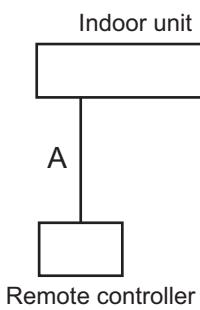
12 Operating mode indicator

13 Indicator

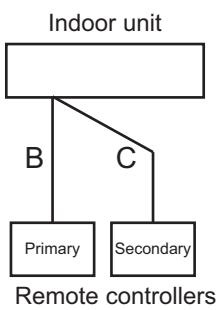
- Upper:
 - Indicates the error code in error code history display mode and in self diagnosis mode.
 - Indicates the refrigerant system address in address display mode.
- Lower: Indicates the remote controller address in error code history display mode, address display mode, and self diagnosis mode.

■ System diagram

1 remote controller:



2 remote controllers:

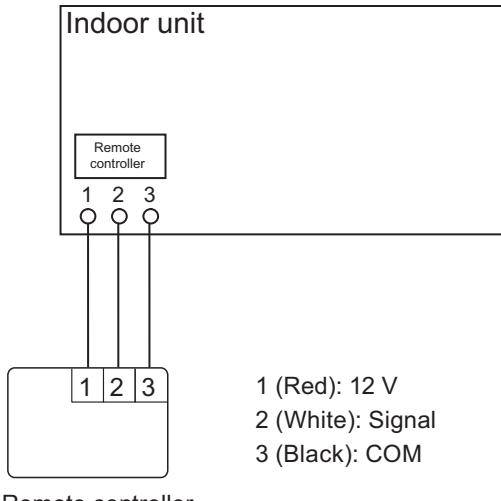


A, B, C: Remote controller cable

$A \leq 500\text{ m}; B + C \leq 500\text{ m}$

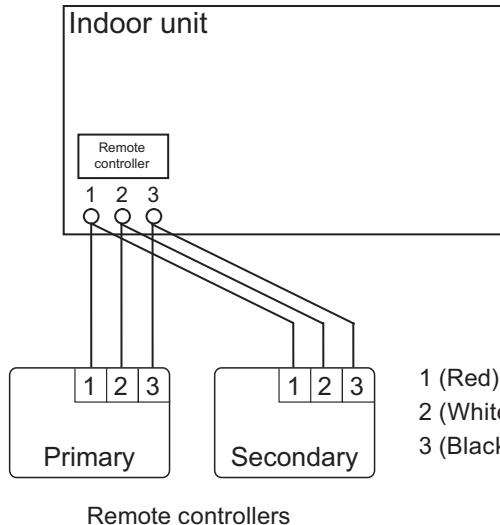
■ Electrical wiring

1 remote controller:



Remote controller

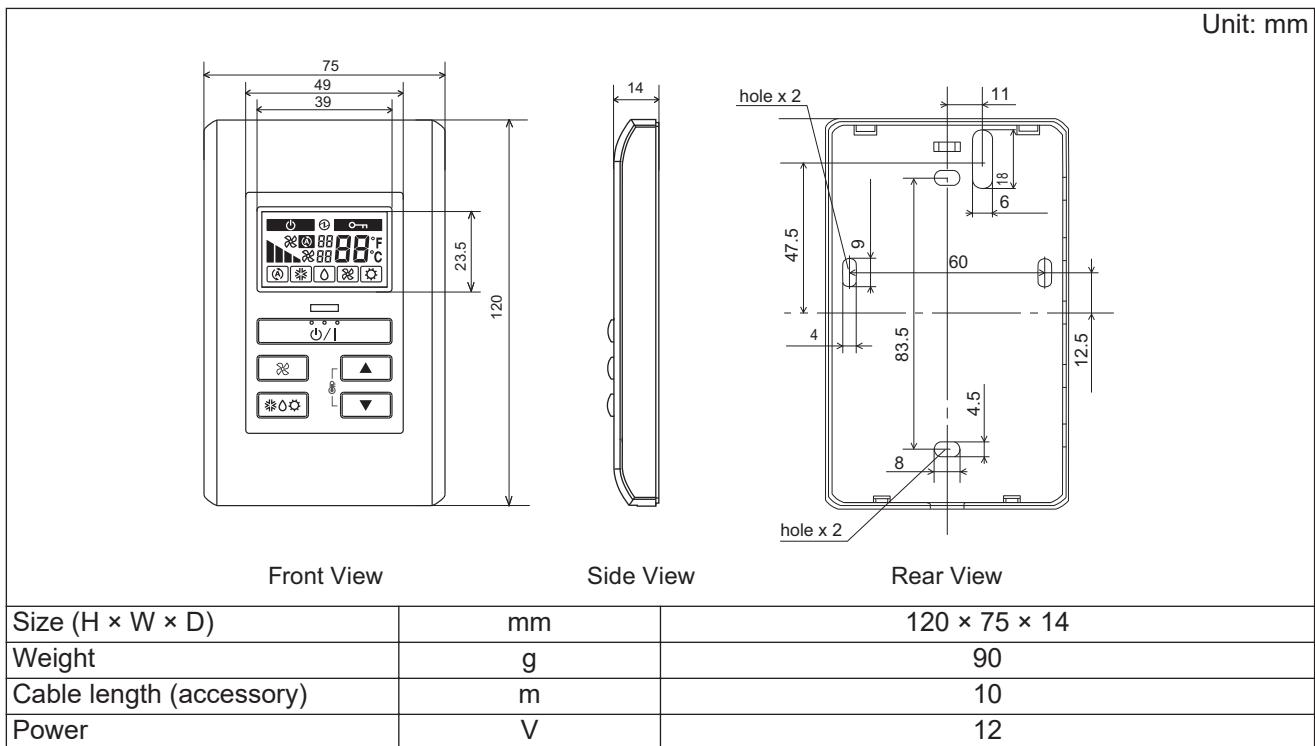
2 remote controllers:



Remote controllers

■ Specifications

Dimensions and other specifications on the wired remote controller are as follows.



● Wiring specifications

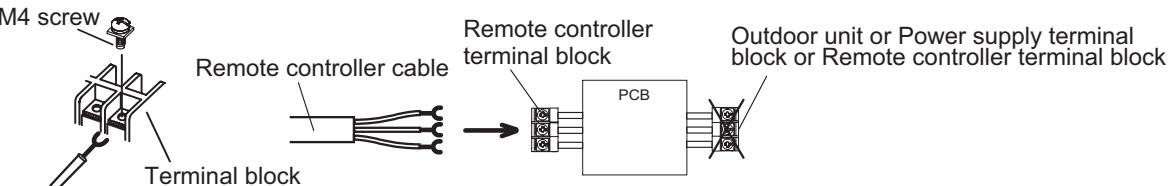
Use	Size	Wire type	Remarks
Remote controller cable	0.33 mm ²	Polar 3 core	Use sheathed PVC cable.

■ Installation

Connection pattern of wired remote controller varies by the type of the connected indoor unit.

● When connecting to terminal block (for Compact cassette, Slim duct, and Mini duct types)

Connect the end of remote controller cable directly to the exclusive terminal block.



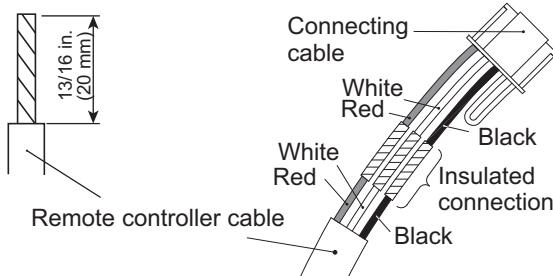
NOTE: It may be failed if it is connected to the outdoor unit or the terminal block for power supply.

● When connecting to Communication kit (for KM models in Wall mounted type)

When connecting the remote controller to optional Communication kit, follow the procedures mentioned below.

1. Modify the remote controller cable as follows:

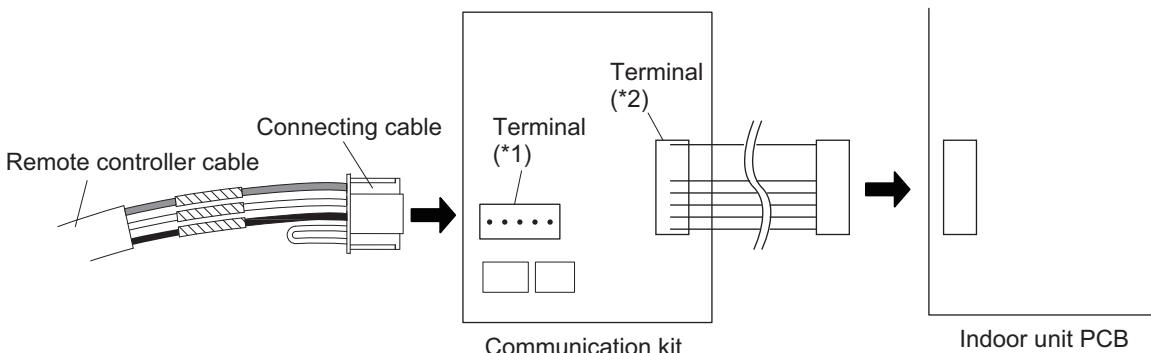
- Use a tool to cut off the terminal on the end of the remote controller cable and then remove the insulation from the cut end of the cable as shown in following figure.
- Connect the remote controller cable and connecting cable as shown in following figure.
- Be sure to insulate the connection between the cables.



2. Connect the remote controller cable.

- Connect the cable made in step 1. to the terminal^{*1} of optional Communication kit.
- Connect the cable from the terminal^{*2} of Communication kit to the indoor unit PCB.

^{*1}: CNC01 on UTY-TWBXF2
^{*2}: CND01 on UTY-TWBXF2



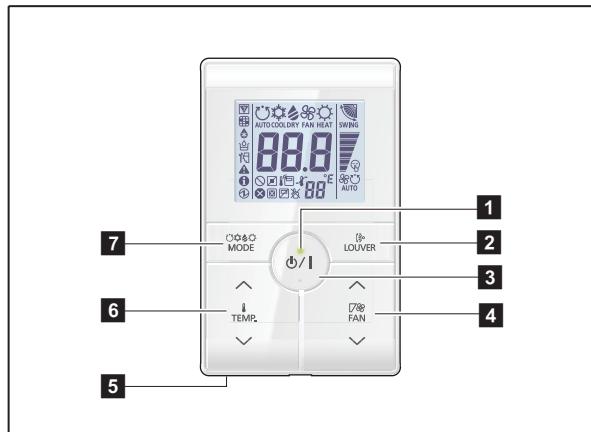
■ Required optional parts

Required optional parts for connecting the wired remote controller to the wall mounted type are as follows.

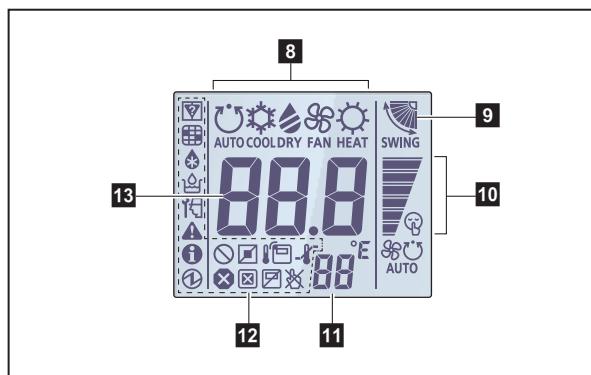
Part name	Model name
External connect kit	UTY-TWBXF2
Communication kit	UTY-XWZXZ5

13-9. Simple remote controller (UTY-RSRY and UTY-RHRY: Optional parts)

■ Overview



Display panel



¹: Available only for UTY-RSRY.

*²: Not available for a heat pump model unless it is set up as an administrative indoor unit.

*³: Not available for a heat pump model.

*⁴: Not available for a cooling-only model.

*⁵: Set the function setting of the indoor unit accordingly.

*⁶: During address display mode.

1 LED lamp

Lights during operation.

2 Louver button

Adjusts the airflow direction.

3 START/STOP button

Starts and stops operation.

4 FAN control button

Switches the fan speed as follows:



5 Room temperature sensor (inside)

Senses ambient temperature of unit.

6 Set temperature button

Selects the setting temperature. (18—30 °C [COOL], 10—30 °C [HEAT])

7 Operation mode button*¹

Switches the operation mode as follows:



8 Operating mode indicator

9 Airflow direction indicator

10 FAN speed indicator

11 Remote controller address indicator

12 Status icons

Mode mismatch

Filter sign *⁵

Defrost operation

Oil recovery operation

Under maintenance

Error

Special state

Conducting electricity

Emergency stop

Operation controlled

Forced stop

Remote controller sensor is enabled *⁵

Central controlled

Setting temperature range is enabled

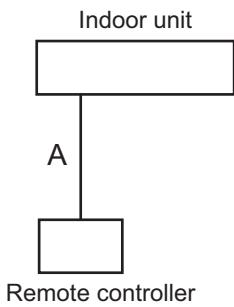
Operation prohibited

13 Set temperature

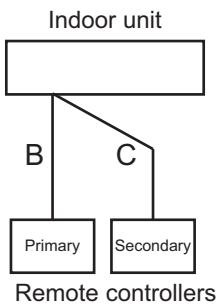
Indicates indoor unit address. *⁶

■ System diagram

1 remote controller:



2 remote controllers:

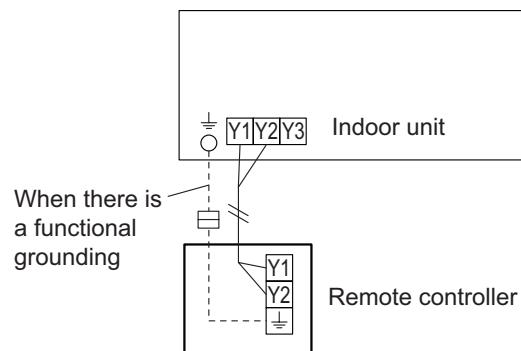


A, B, C: Remote controller cable

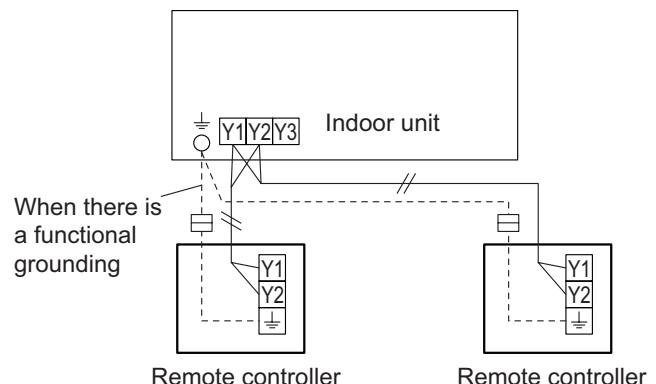
$A \leq 500\text{ m}; B + C \leq 500\text{ m}$

■ Electrical wiring

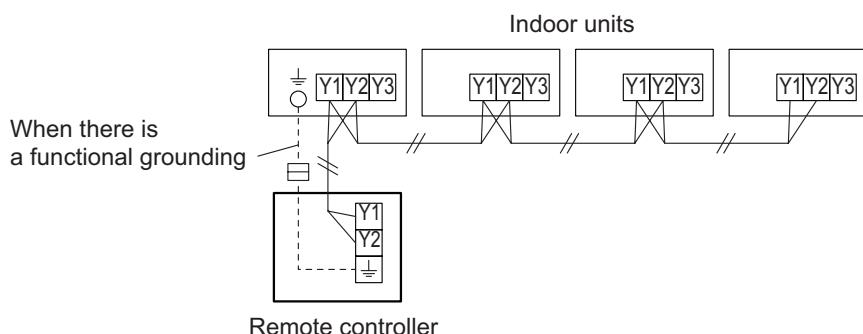
1 remote controller:



2 remote controllers:



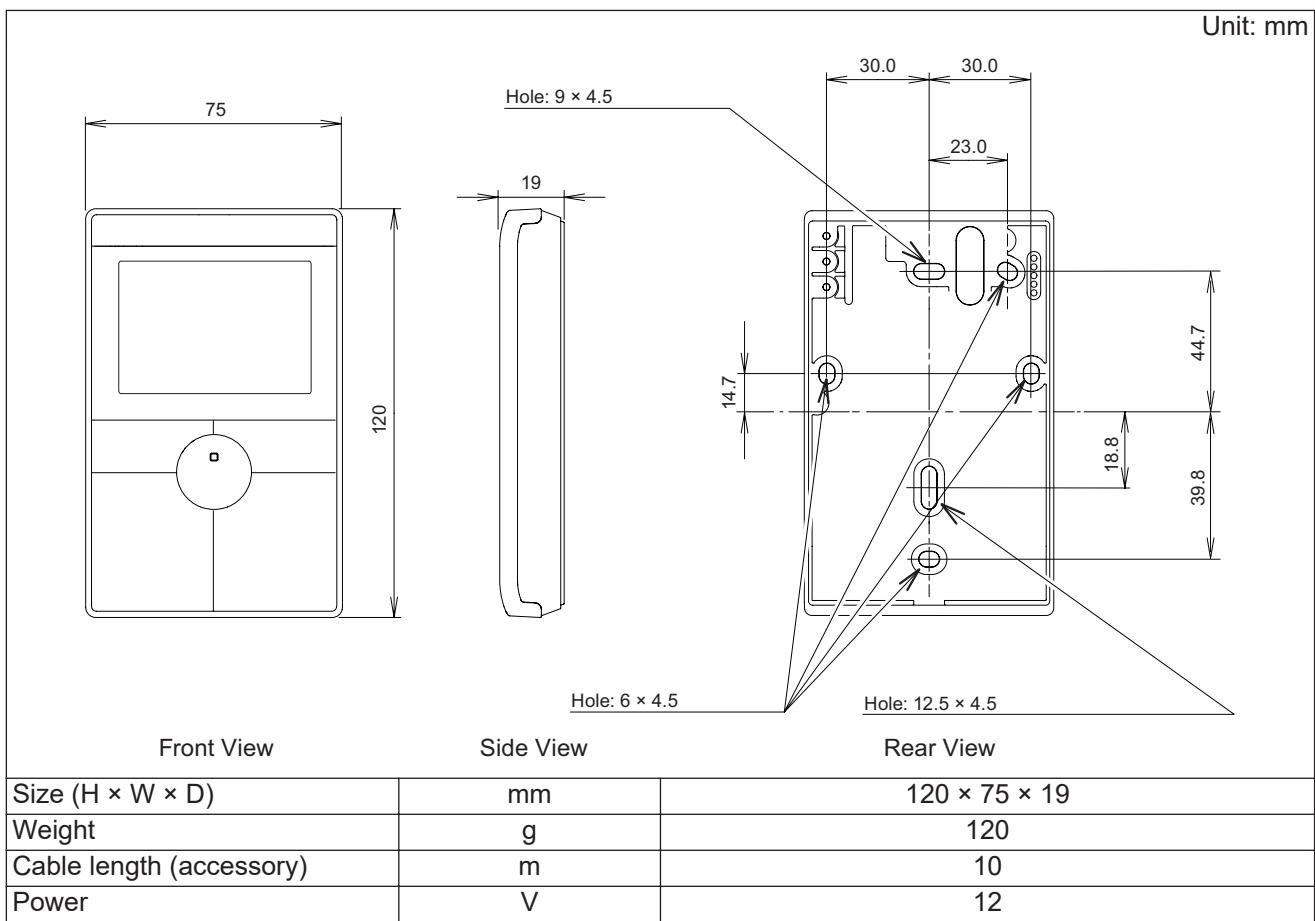
Group control:



NOTE: Group connection with Polar 3-wired remote controller is not allowed.

■ Specifications

Dimensions and other specifications on the wired remote controller are as follows.

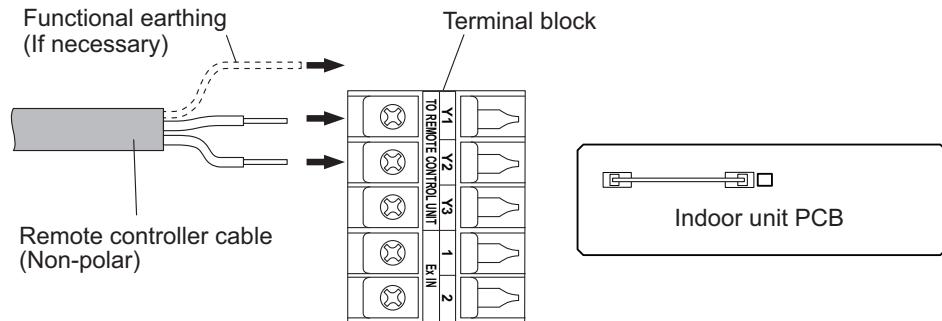


● Wiring specifications

Use	Cable size	Wire type	Remarks
Remote controller cable	0.33 to 1.25 mm ²	Non-polar 2-core, Twisted pair	Use sheathed PVC cable.

■ Installation

Connect the end of remote controller cable directly to the exclusive terminal block.



NOTES:

- Layout of terminal block and PCB is varies depending on the type of indoor unit.
- Operation may fail if it is connected to the outdoor unit or the terminal block for power supply.

14. 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.

14-1. Compact cassette, Mini duct, Slim duct types indoor unit (setting by DIP switch)

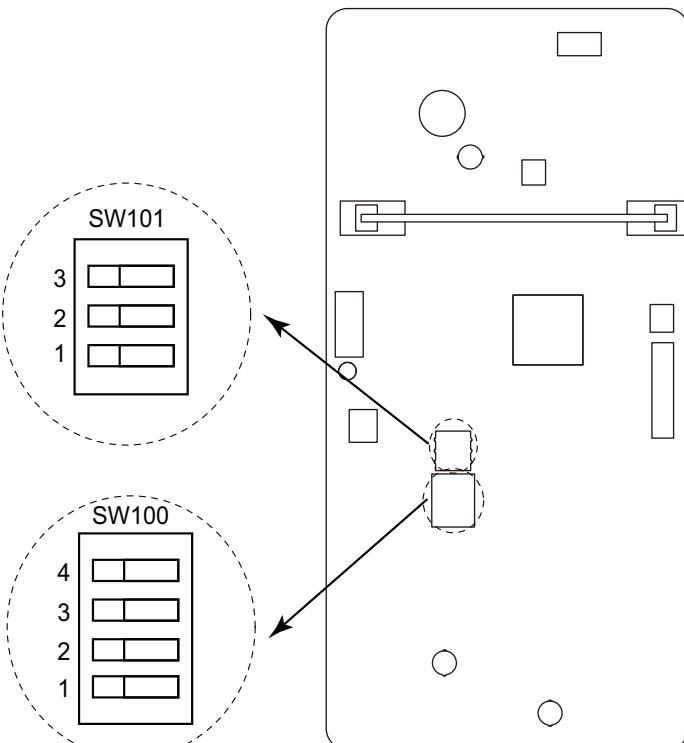
By using some components on the PCB, you can change the function settings.

Related components on the PCB and the applicable settings:

Component			Setting content
DIP switch	SW100	1	Remote controller address setting
		2	
		3	
		4	
	SW101	1	Drainage function setting
		2	Auto louver grille setting
		3	Fan delay setting

■ Component location

Components on the indoor unit main PCB used for the function settings are located as shown in the following figure.



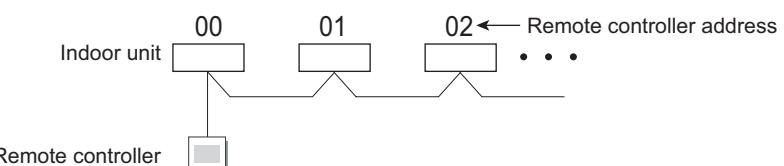
■ DIP switch setting

- SW100: Remote controller address setting**

When operating a number of indoor units by using a wired remote controller, DIP switch setting for assigning unit number to each indoor unit is required.

The slide switches are normally set to make the unit number 00.

Remote controller address	Switch number				Factory setting
	1	2	3	4	
00	OFF	OFF	OFF	OFF	♦
01	ON	OFF	OFF	OFF	
02	OFF	ON	OFF	OFF	
03	ON	ON	OFF	OFF	
04	OFF	OFF	ON	OFF	
05	ON	OFF	ON	OFF	
06	OFF	ON	ON	OFF	
07	ON	ON	ON	OFF	
08	OFF	OFF	OFF	ON	
09	ON	OFF	OFF	ON	
10	OFF	ON	OFF	ON	
11	ON	ON	OFF	ON	
12	OFF	OFF	ON	ON	
13	ON	OFF	ON	ON	
14	OFF	ON	ON	ON	
15	ON	ON	ON	ON	



- SW101-Switch 1: Drainage function setting**

Switch 1	Drainage function	Factory setting
ON	Disabled	
OFF	Enabled	♦

- SW101-Switch 2: Auto louver grille setting**

When Auto louver grille kit (optional parts) is attached, set to "Enabled".

Switch 2	Auto louver grille setting	Factory setting
ON	Enabled	
OFF	Disabled	♦

- SW101-Switch 3: Fan delay setting**

When the indoor unit is stopped while operating in conjunction with auxiliary heater, the indoor unit fan operation will continue for 1 minute.

Switch 3	Fan delay	Factory setting
ON	Enabled	
OFF	Disabled	♦

14-2. Indoor unit (setting by wireless remote controller)

⚠ CAUTION

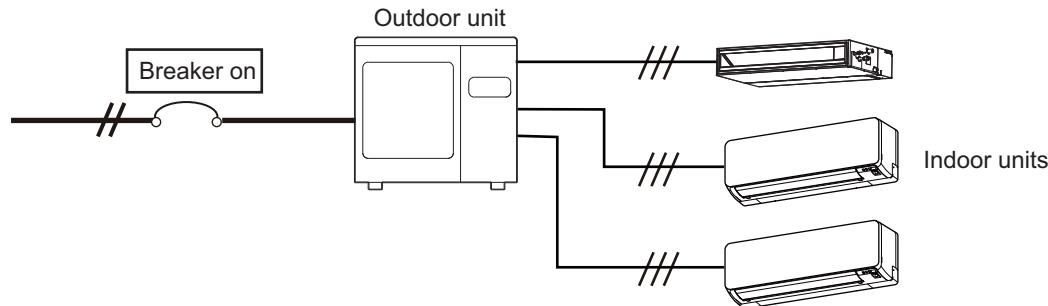
This setting changes the function settings used to control the indoor unit according to the installation conditions. Incorrect settings can cause a product malfunction.

- 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 number.
- Settings will not be changed if invalid numbers or setting numbers are selected.

■ Preparation

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

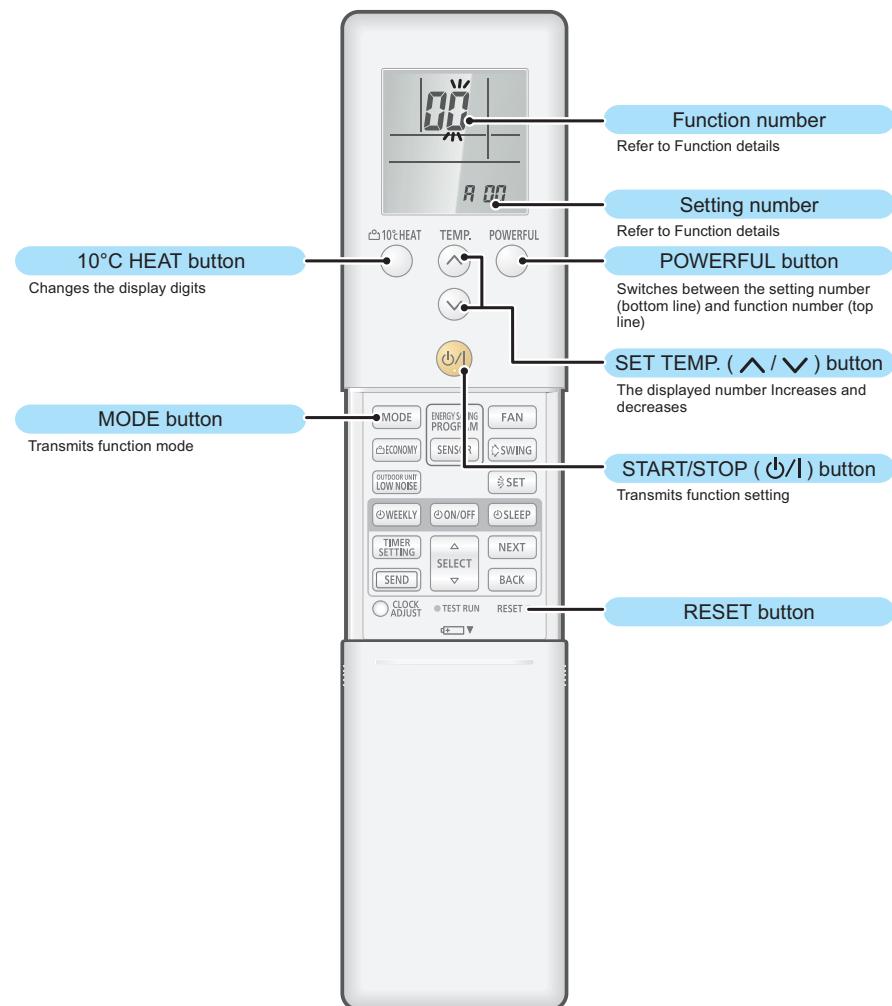
- Piping air tight test and vacuuming have been performed firmly.
- There is no wiring mistake. Then, connect the power supply of the indoor unit.



■ AR-REM4E (for Wall mounted type KGTB), AR-REW4E (for Wall mounted type KETA)

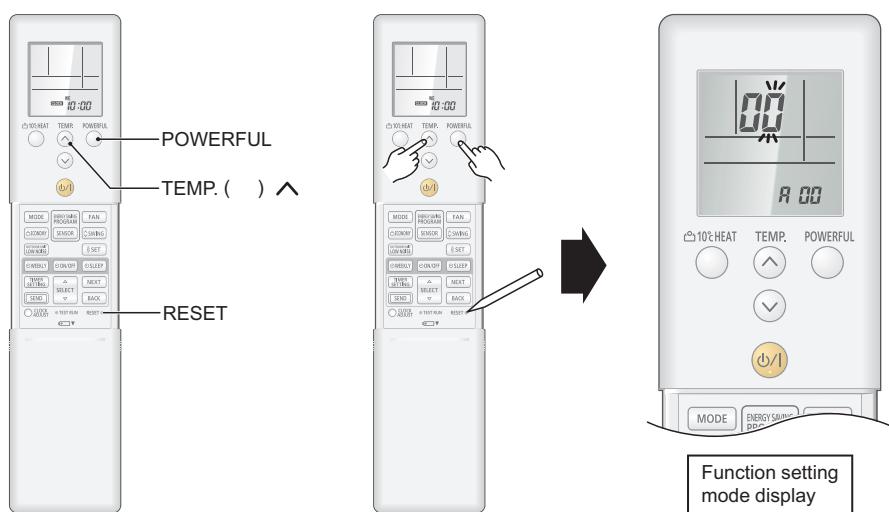
● Button name and function

During address setting mode, indoor unit reject the any operation command from remote controller.



● Function setting procedure

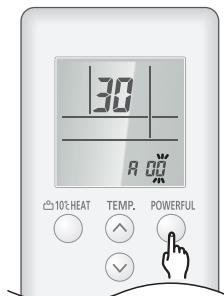
1. Connect the power supply of the outdoor unit.
2. To enter the function setting mode, while holding down the POWERFUL and TEMP. \wedge button, press the RESET button.



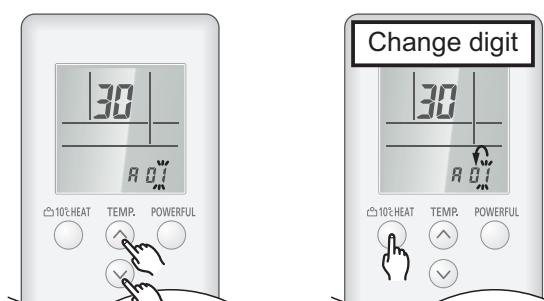
3. Select the function number by pressing the \wedge or the \vee buttons. Each time the 10°C HEAT button is pressed, it switches between the right digit and the left digit.



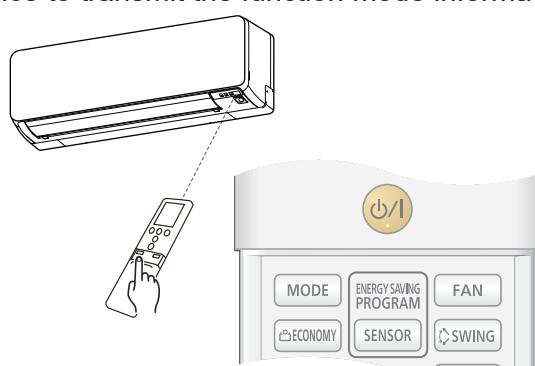
4. Proceed to the setting number by pressing the POWERFUL button. (To return to the function number selection, press the POWERFUL button again.)



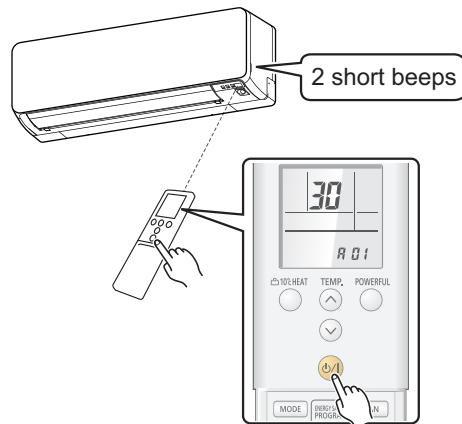
5. Select the function number by pressing the \wedge or the \vee button. Each time the 10°C HEAT button is pressed, it switches between the right digit and the left digit.



6. Press the MODE button once to transmit the function mode information.



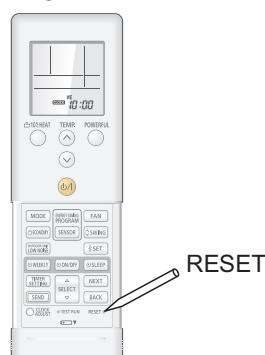
7. Press the \odot/I button once to transmit the function setting information. 2 short beeps will be emitted from the indoor unit when the signal is received correctly. If wrong code is set, no beep sound will be emitted.



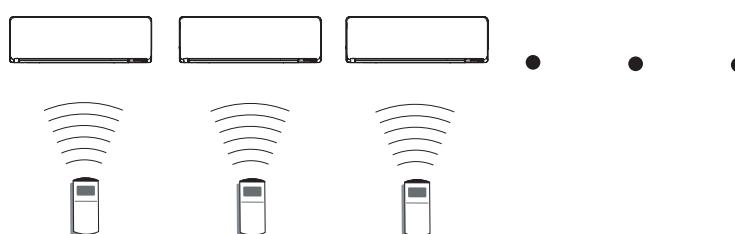
NOTE: Press \odot/I button within 30 seconds after pressing MODE button.

For the function details, refer to Chapter 14-5. "[Function details](#)" on page 182.

8. Exit the function setting mode by pressing the RESET button.



● Setting up each indoor unit



Repeat step from 1. to 8. to set up each indoor unit. If the custom code is other than "R", steps from 1. to 2. and 8. need to be performed.

● Resetting the power after setting up all indoor units

Important:

- If the reset is not performed, function cannot be read correctly.
- After all the functions have been set, the circuit breaker needs to be switched off for at least 2 minutes.
 - After the 2 minutes has passed, power can be restored.
 - The set function is stored in the PCB and will remain in memory even when the power of indoor unit is turned off.
However setting function is effective after disconnecting the power supply and then reconnecting it.
- Record the latest configuration of the indoor unit function setting on a label, and put the label on the unit so it can be used for after-sales service operations.

Once the RESET button is pressed on the remote controller, the operation mode will be set to the AUTO MODE.

Adjust the operation mode to either cooling or heating before starting the operation of the air conditioner.

NOTE: If custom code other than "R" is set, the remote control must be set accordingly to the indoor unit setting.

● Remote controller custom code setting

Custom code setting of wireless remote controller needs to be same as the setting of the indoor unit. When you change the custom code setting of the wireless remote controller, do as follows:

1. Press the START/STOP button until only the clock is displayed on the display.



2. Press the MODE button for at least 5 seconds to display the current custom code (initially set to A).



3. Press the TEMP. " ^ " or the " v " button to change the custom code between A → b → c → d.



4. Press the MODE button again to return to the clock display. The custom code will be changed.

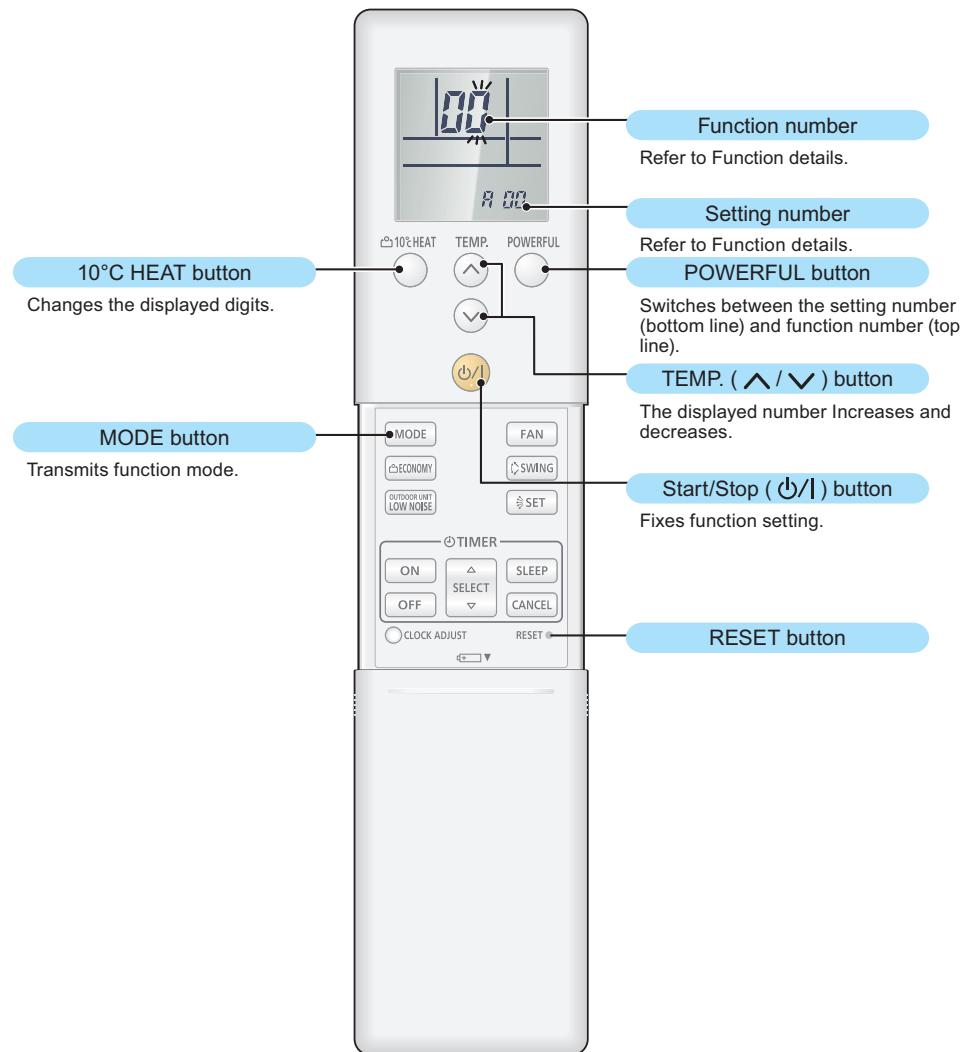


- If no buttons are pressed within 30 seconds after the custom code is displayed, the system returns to the original clock display. In this case, start again from step 1.
- The air conditioner custom code is set to A prior to shipment.
- If you do not know the air conditioner custom code setting, try each of the custom codes (A → b → c → d) until you find the code which operates the air conditioner.

■ AR-REB1E (for Wall mounted type KMTB)

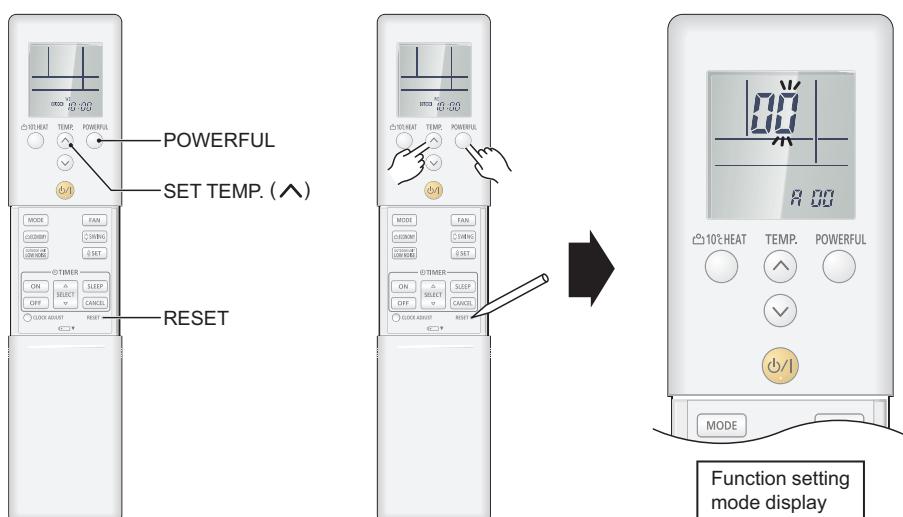
● Button name and function

During address setting mode, indoor unit reject the any operation command from remote controller.



● Function setting procedure

1. Connect the power supply of the outdoor unit.
2. To enter the function setting mode, while holding down the POWERFUL and SET TEMP. ▲ buttons, press the RESET button.



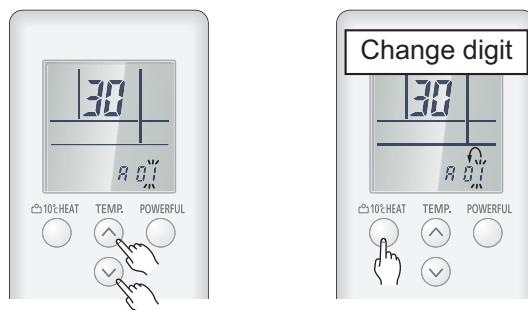
3. Select the function number by pressing the \wedge or the \vee buttons. Each time the 10°C HEAT button is pressed, it switches between the right digit and the left digit.



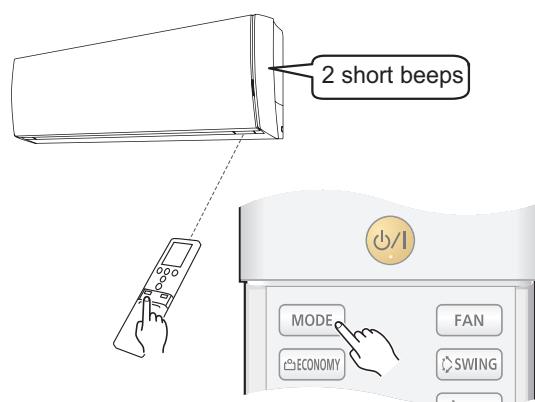
4. Proceed to the setting number by pressing the POWERFUL button. (To return to the function number selection, press the POWERFUL button again.)



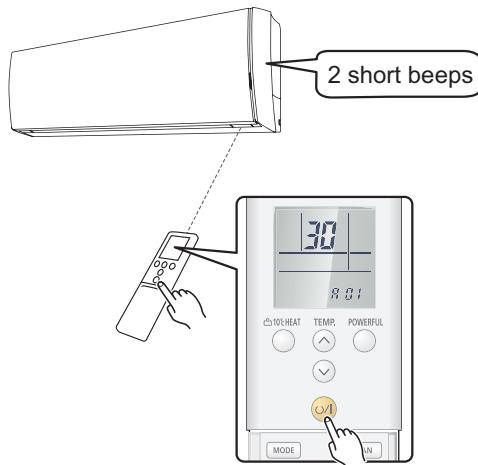
5. Select the function number by pressing the \wedge or the \vee button. Each time the 10°C HEAT button is pressed, it switches between the right digit and the left digit.



6. Press the MODE button once to transmit the function mode information.



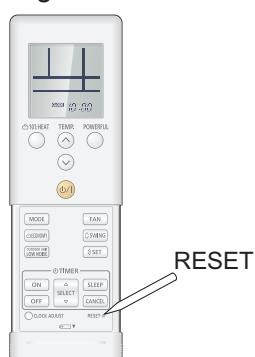
7. Press the \oplus/\ominus button once to transmit the function setting information. 2 short beeps will be emitted from the indoor unit when the signal is received correctly. If wrong code is set, no beep sound will be emitted.



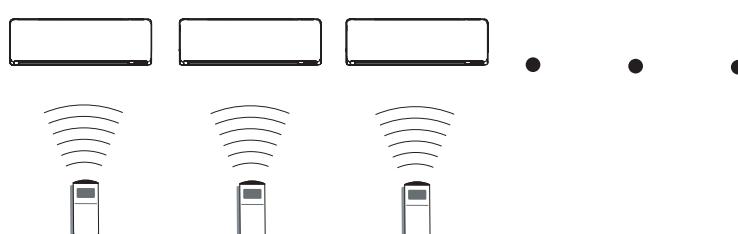
NOTE: Press \oplus/\ominus button within 30 seconds after pressing MODE button.

For the function details, refer to Chapter 14-5. "[Function details](#)" on page 182.

8. Exit the function setting mode by pressing the RESET button.



● Setting up each indoor unit



Repeat step from 1. to 8. to set up each indoor unit. If the custom code is other than "H", steps from 1. to 2. and 8. need to be performed.

● Resetting the power after setting up all indoor units

Important:

- If the reset is not performed, function cannot be read correctly.
- After all the functions have been set, the circuit breaker needs to be switched off for at least 2 minutes.
 - After the 2 minutes has passed, power can be restored.
 - The set function is stored in the PCB and will remain in memory even when the power of indoor unit is turned off.
However setting function is effective after disconnecting the power supply and then reconnecting it.
- Record the latest configuration of the indoor unit function setting on a label, and put the label on the unit so it can be used for after-sales service operations.

Once the RESET button is pressed on the remote controller, the operation mode will be set to the AUTO MODE.

Adjust the operation mode to either cooling or heating before starting the operation of the air conditioner.

NOTE: If custom code other than "R" is set, the remote control must be set accordingly to the indoor unit setting.

● Remote controller custom code setting

Custom code setting of wireless remote controller needs to be same as the setting of the indoor unit. When you change the custom code setting of the wireless remote controller, do as follows:

1. Press the START/STOP button until only the clock is displayed on the display.



2. Press the MODE button for at least 5 seconds to display the current custom code (initially set to A).



3. Press the SET TEMP. "▲" or the "▼" button to change the custom code between $\text{A} \rightarrow \text{B} \rightarrow \text{C} \rightarrow \text{D}$.



4. Press the MODE button again to return to the clock display. The custom code will be changed.

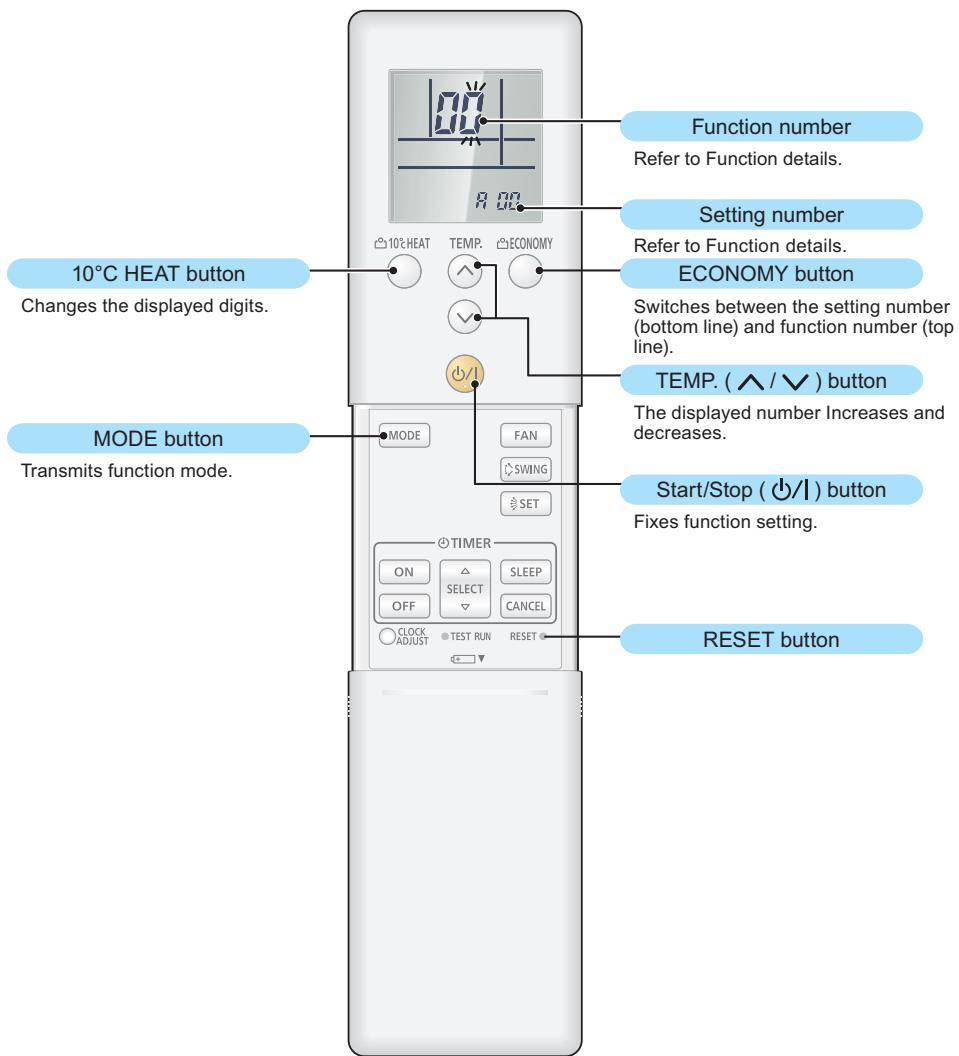


- If no buttons are pressed within 30 seconds after the custom code is displayed, the system returns to the original clock display. In this case, start again from step 1.
- The air conditioner custom code is set to A prior to shipment.
- If you do not know the air conditioner custom code setting, try each of the custom codes ($\text{A} \rightarrow \text{B} \rightarrow \text{C} \rightarrow \text{D}$) until you find the code which operates the air conditioner.

■ UTY-LNTY (for Compact cassette type) or AR-REJ1E (included in UTY-LBTYM for Duct type)

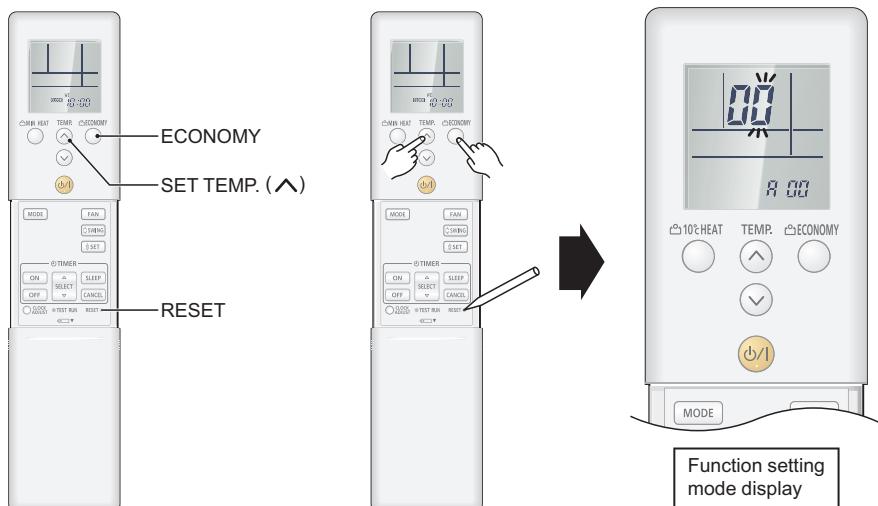
● Button name and function

During address setting mode, indoor unit reject the any operation command from remote controller.



● Function setting procedure

1. Connect the power supply of the outdoor unit.
2. To enter the function setting mode, while holding down the ECONOMY and SET TEMP. \wedge buttons, press the RESET button.



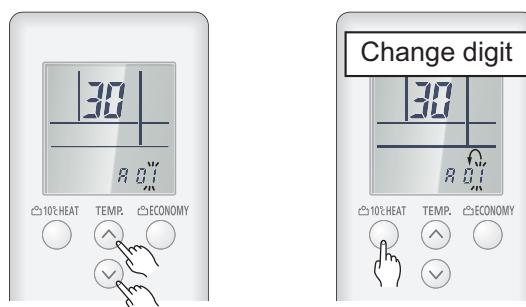
3. Select the function number by pressing the \wedge or the \vee buttons. Each time the 10°C HEAT button is pressed, it switches between the right digit and the left digit.



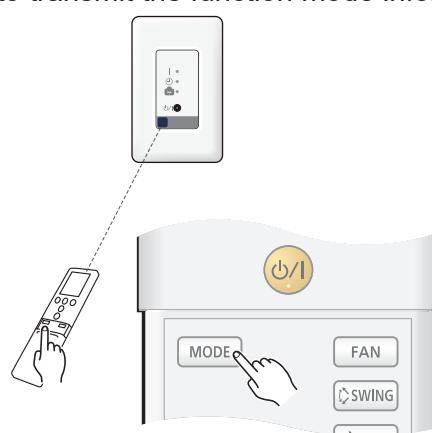
4. Proceed to the setting number by pressing the ECONOMY button. (To return to the function number selection, press the ECONOMY button again.)



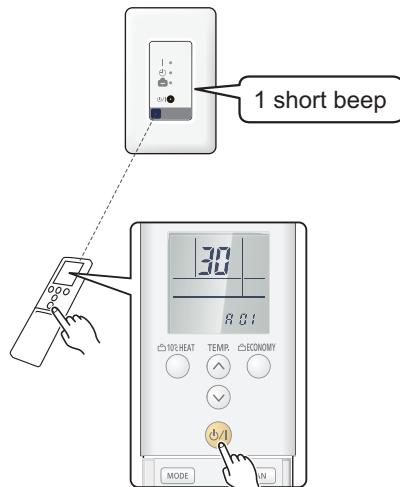
5. Select the function number by pressing the \wedge or the \vee button. Each time the 10°C HEAT button is pressed, it switches between the right digit and the left digit.



6. Press the MODE button once to transmit the function mode information.



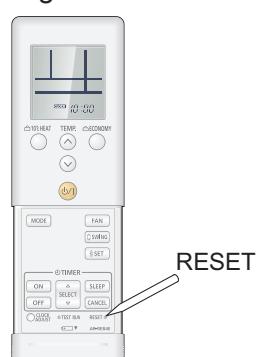
7. Press the \odot/I button once to transmit the function setting information. 1 short beep will be emitted from the indoor unit or the IR receiver when the signal is received correctly. If wrong code is set, no beep sound will be emitted.



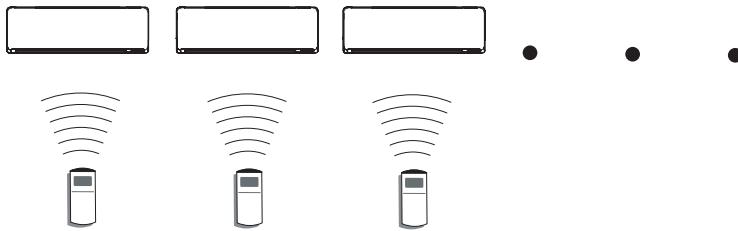
NOTE: Press \odot/I button within 30 seconds after pressing MODE button.

For the function details, refer to Chapter 14-5. "[Function details](#)" on page 182.

8. Exit the function setting mode by pressing the RESET button.



● Setting up each indoor unit



Repeat step from 1. to 8. to set up each indoor unit. If the custom code is other than "H", steps from 1. to 2. and 8. need to be performed.

● Resetting the power after setting up all indoor units

Important:

- If the reset is not performed, function cannot be read correctly.
- After all the functions have been set, the circuit breaker needs to be switched off for at least 2 minutes.
 - After the 2 minutes has passed, power can be restored.
 - The set function is stored in the PCB and will remain in memory even when the power of indoor unit is turned off.
However setting function is effective after disconnecting the power supply and then reconnecting it.
- Record the latest configuration of the indoor unit function setting on a label, and put the label on the unit so it can be used for after-sales service operations.

Once the RESET button is pressed on the remote controller, the operation mode will be set to the AUTO MODE.

Adjust the operation mode to either cooling or heating before starting the operation of the air conditioner.

NOTE: If custom code other than "H" is set, the remote control must be set accordingly to the indoor unit setting.

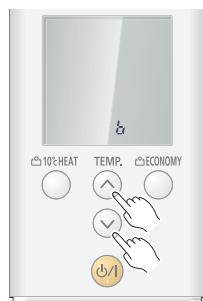
● Remote controller custom code setting

Custom code setting of wireless remote controller needs to be same as the setting of the indoor unit. When you change the custom code setting of the wireless remote controller, do as follows:

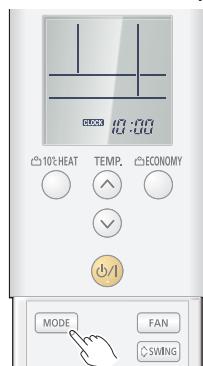
1. Press the START/STOP button until only the clock is displayed on the display.



2. Press the MODE button for at least 5 seconds to display the current custom code (initially set to A).
3. Press the SET TEMP. “ \wedge ” or the “ \vee ” button to change the custom code between $A \rightarrow B \rightarrow C \rightarrow D$.



4. Press the MODE button again to return to the clock display. The custom code will be changed.



- If no buttons are pressed within 30 seconds after the custom code is displayed, the system returns to the original clock display. In this case, start again from step 1.
- The air conditioner custom code is set to A prior to shipment.
- If you do not know the air conditioner custom code setting, try each of the custom codes ($A \rightarrow B \rightarrow C \rightarrow D$) until you find the code which operates the air conditioner.

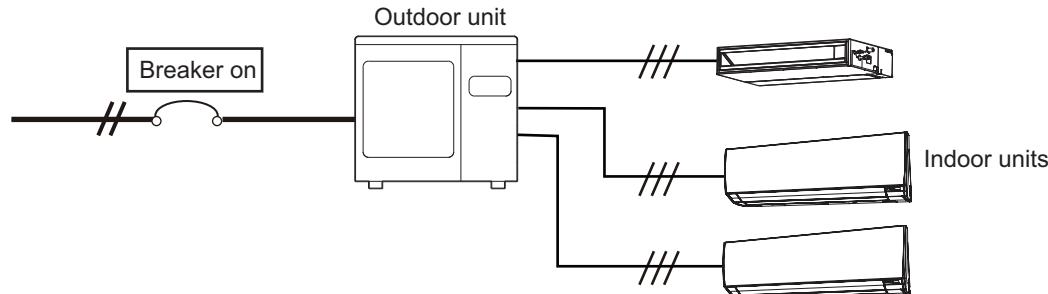
14-3. Indoor unit (setting by wired remote controller)

- 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 number.
- Settings will not be changed if invalid numbers or setting numbers are selected.
- This function cannot be used on the secondary units.

■ Preparation

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

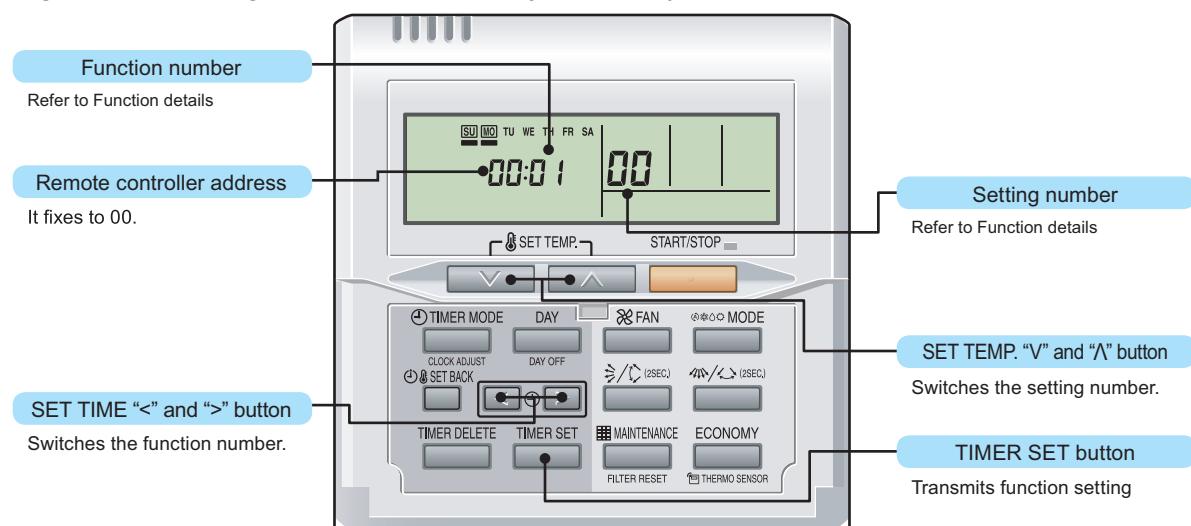
- Piping air tight test and vacuuming have been performed firmly.
- There is no wiring mistake. Then, connect the power supply of the indoor unit.



■ UTY-RNNYM

● Button name and function

During address setting mode, indoor unit reject the any operation command from remote controller.

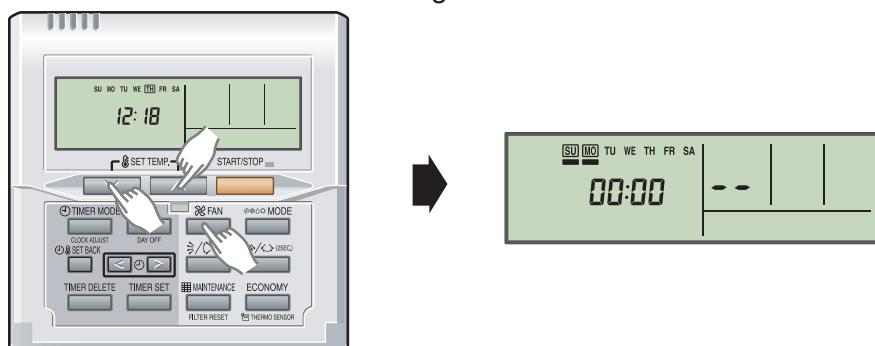


● Function setting procedure

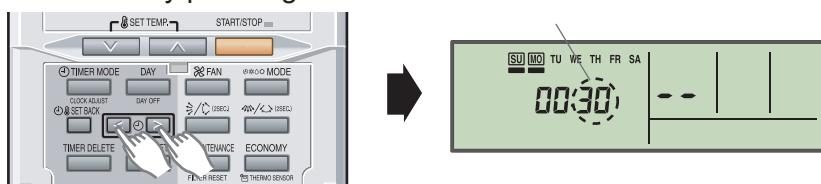
1. Connect the power supply of the outdoor unit.

2. Switch to the function setting mode.

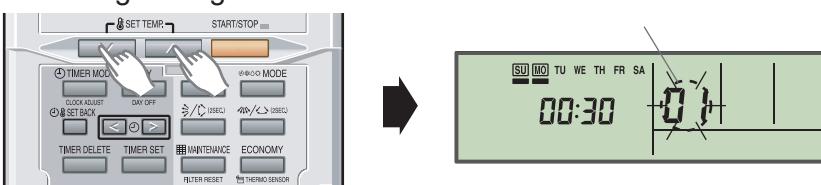
To enter the function setting mode, hold down the 3 buttons of SET TEMP. V, SET TEMP. Λ, and FAN at the same time for 5 seconds or longer.



3. Select the function number by pressing the SET TIME < or the SET TIME > button.

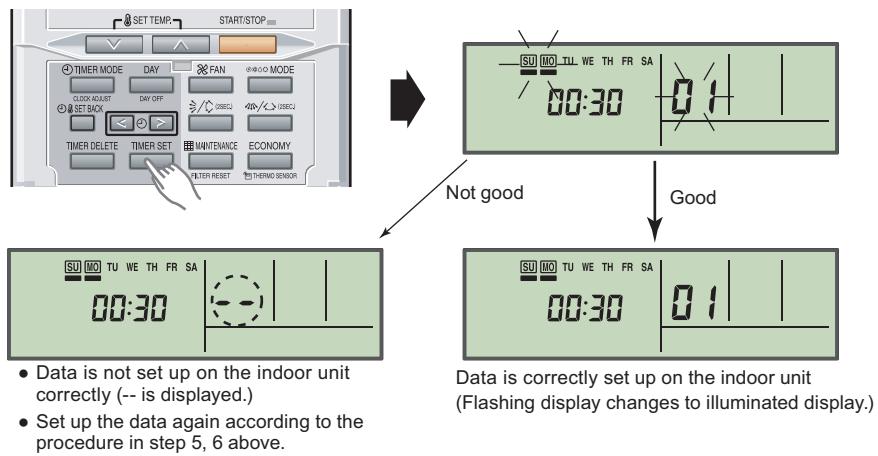


4. Select the setting number by pressing the SET TEMP. Λ or the SET TEMP. V button. The display flashes during setting number selection.



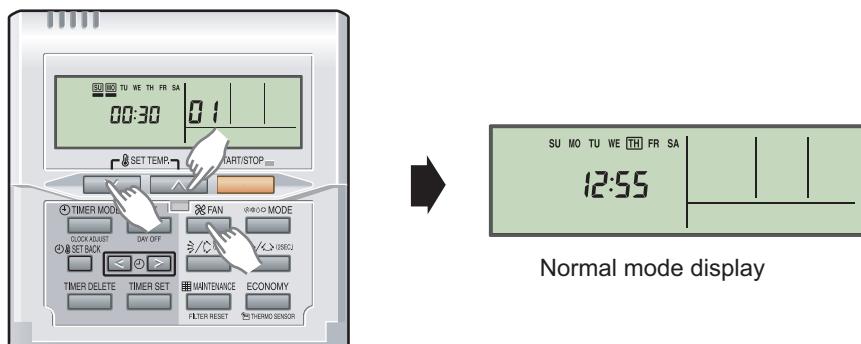
5. Confirm the setting by pressing the TIMER SET button.

The data will be transferred to the indoor unit.



Function details: Refer to Chapter 14-5. "Function details" on page 182.

6. Exit the function setting mode by holding 3 buttons of SET TEMP. ▼, SET TEMP. ▲ and FAN at the same time.



If no button is pressed within 60 seconds after buttons mentioned above are pressed, it will automatically exit the function setting mode.

If you exit the function setting mode unintentionally during setting, enter the mode again according to the procedure in step 2.

● Setting up each indoor unit

Repeat the procedures from step 1 to 6, and set up the indoor units requiring function setting.

● Resetting the power after setting up function of all indoor units

NOTES:

- If the reset is not performed, function cannot be read correctly.
- After all the functions have been set, the circuit breaker needs to be switched off for at least 2 minutes.
 - After the 2 minutes has passed, power can be restored.
 - The set function is stored in the PCB and will remain in memory even when the power of indoor unit is turned off.
However setting function is effective after disconnecting the power supply and then reconnecting it.
- Record the latest configuration of the indoor unit function setting on a label, and put the label on the unit so it can be used for after-sales service operations.

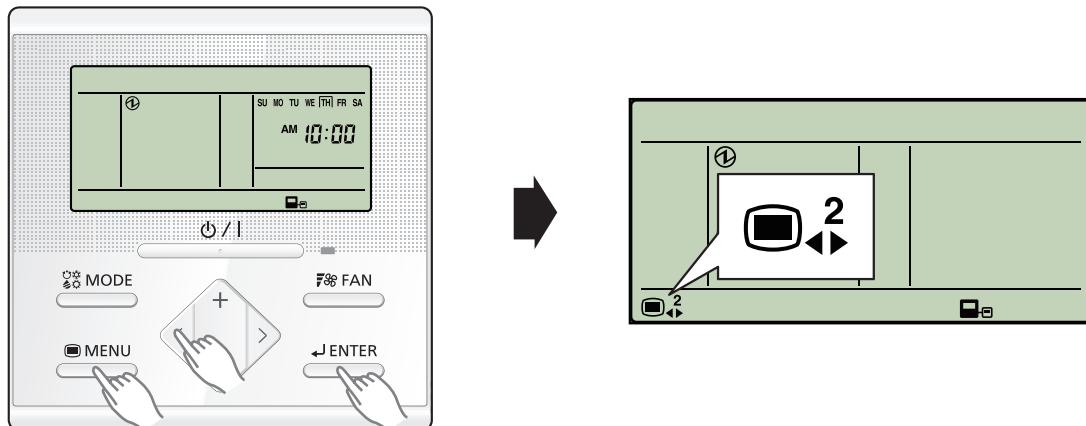
■ UTY-RLRY

● Setting procedure by using wired remote controller

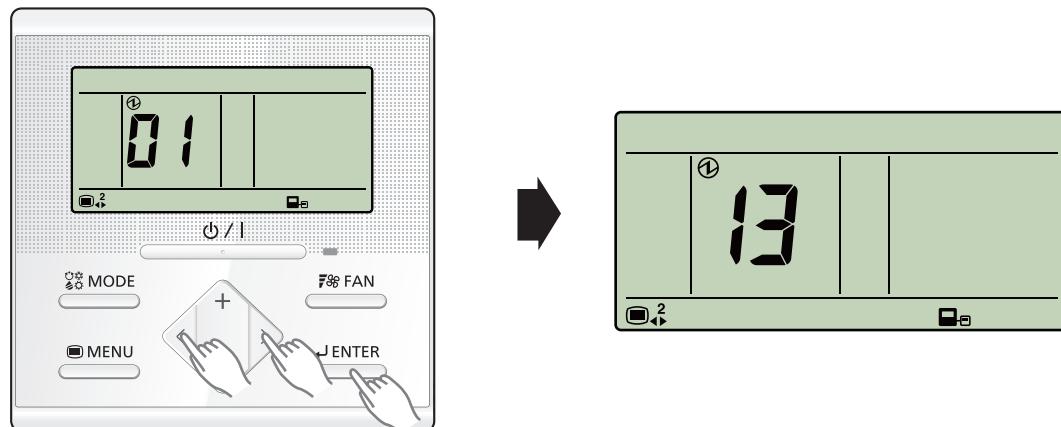
The function number and the associated setting value are displayed on the LCD of the remote controller. Follow the instructions written in the local setup procedure supplied with the remote controller, and select appropriate setting according to the installation environment.

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

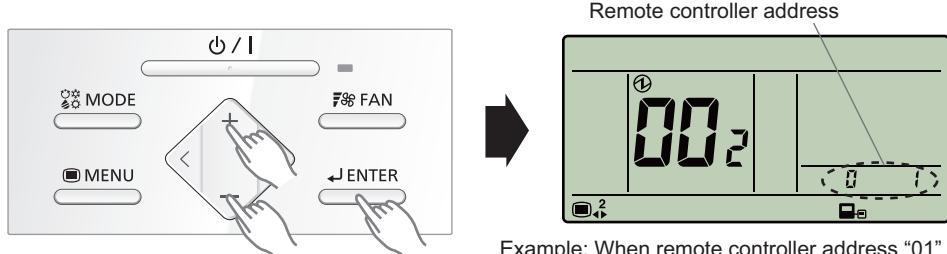
- Piping air tight test and vacuuming have been performed firmly.
 - There is no wiring mistake.
1. Connect the power supply.
 2. To activate the address setting mode, hold down the three buttons of "MENU", "<", and "ENTER" at the same time for 2 seconds or longer. Menu 2 setting screen is displayed.



3. Select the "13" in Menu 2 settings. Then press the "ENTER" button.

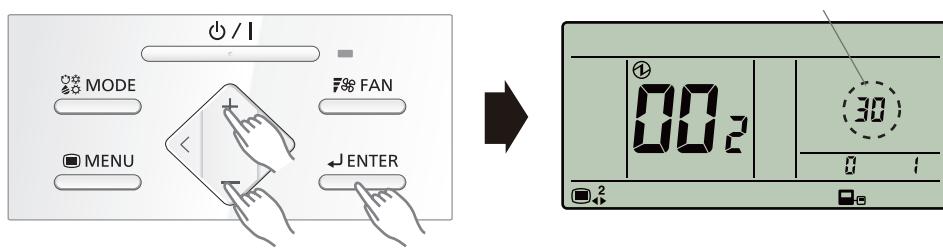


4. Pressing the "+" or "-" button, select a remote controller address (select the indoor unit you want to operate). Then press the "ENTER" button.

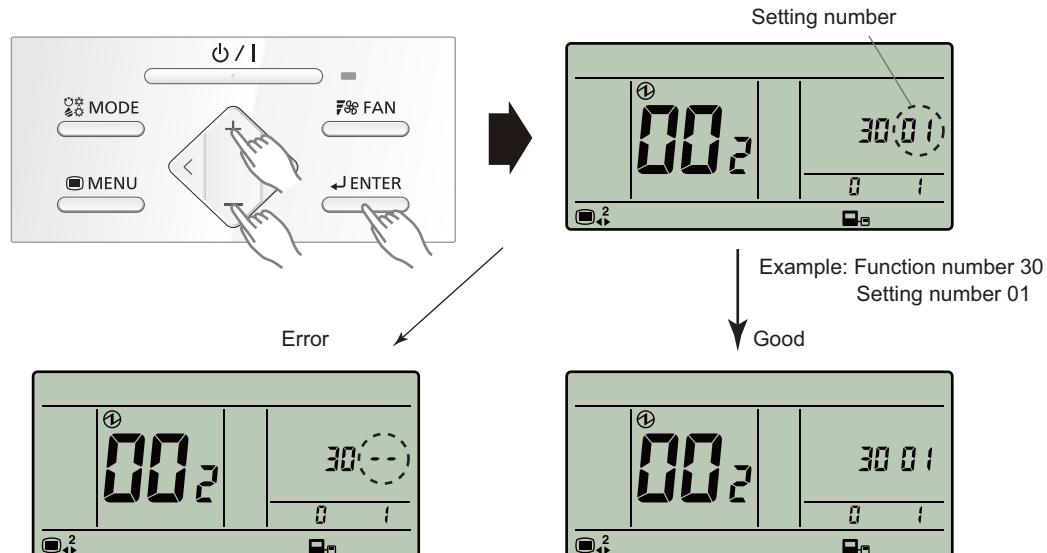


Example: When remote controller address "01" is selected.

5. Pressing the "+" or "-" button, to select the function number. Then press the "ENTER" button.



6. Pressing the "+" or "-" button, to select the setting number. Then press the "ENTER" button.



- When the data was not set up on the indoor unit
(" -- " is displayed.)

- Set up the data again.

- When the data was normally set up on the indoor unit.

Pressing the "ENTER" button to return to the address selection screen.

If setting has been completed, pressing the "MENU" button to return to the Menu 2 item selection screen.

● Setting up each indoor unit

Repeat the procedure from step 1 to 6, and set up the indoor units requiring function setting.

● Resetting the power after setting up function of all indoor units

NOTES:

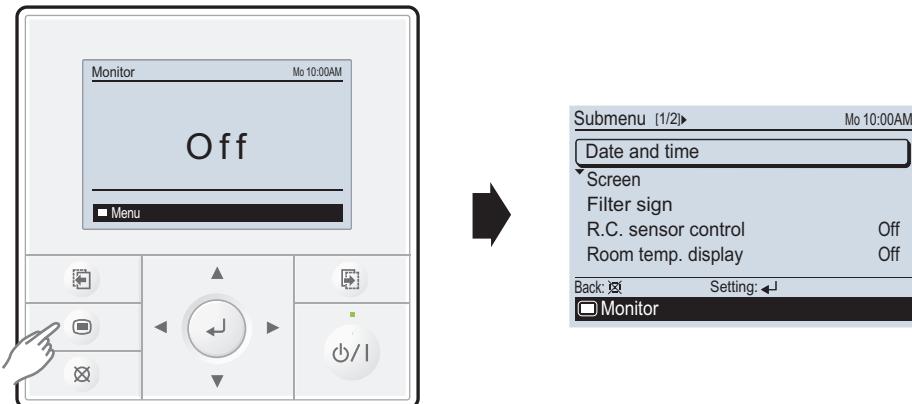
- If the reset is not performed, function cannot be read correctly.
- After all the functions have been set, the circuit breaker needs to be switched off for at least 2 minutes.
 - After the 2 minutes has passed, power can be restored.
 - The set function is stored in the PCB and will remain in memory even when the power of indoor unit is turned off.
However setting function is effective after disconnecting the power supply and then reconnecting it.
- Record the latest configuration of the indoor unit function setting on a label, and put the label on the unit so it can be used for after-sales service operations.

■ UTY-RVNYM

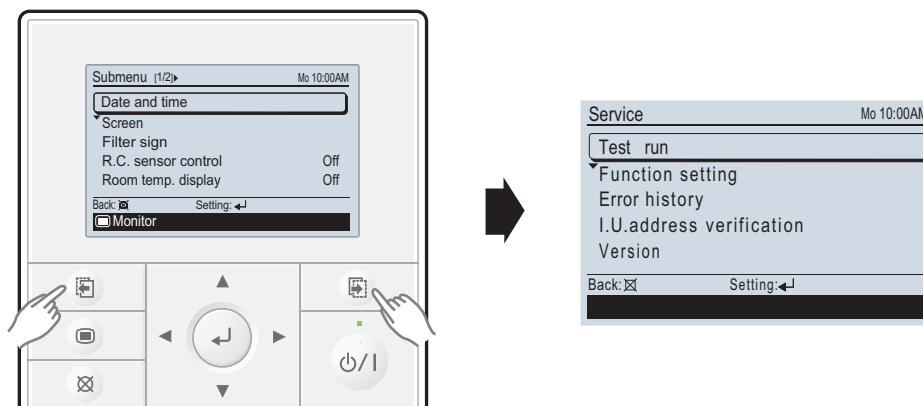
● Function setting procedure

1. Connect the power supply of the outdoor unit.
2. Switch to the function setting mode.

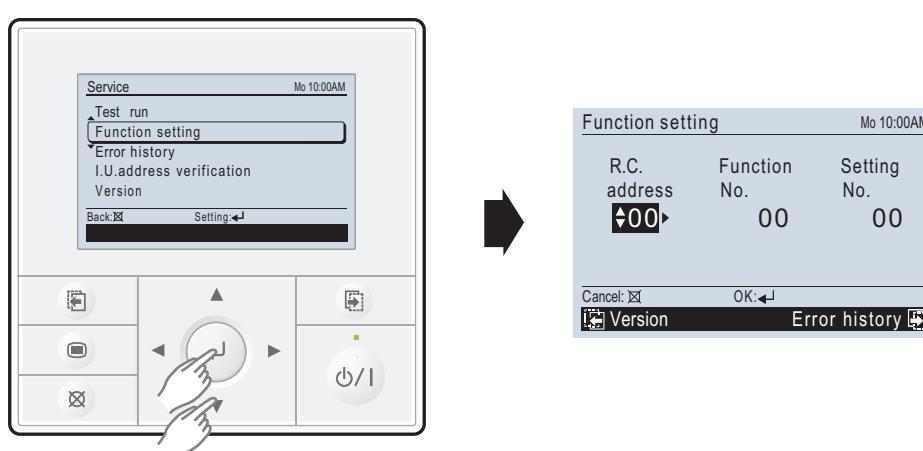
When [Menu button] is pressed twice while "Monitor" screen is displayed, it switches to the "Submenu" screen. If [Menu button] is pressed while the "Submenu" screen is displayed, the display returns to the "Monitor" screen.



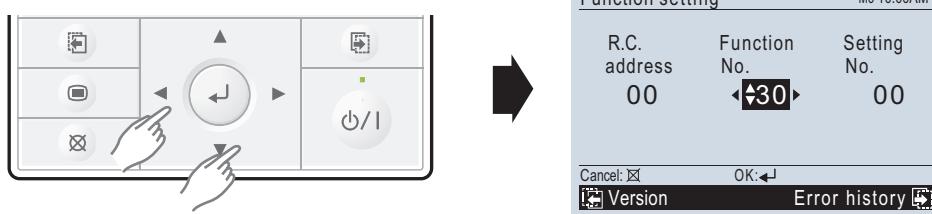
Press the [Screen switch button (Left)] and [Screen switch button (Right)] simultaneously for 5 seconds to switch to "Service" screen.



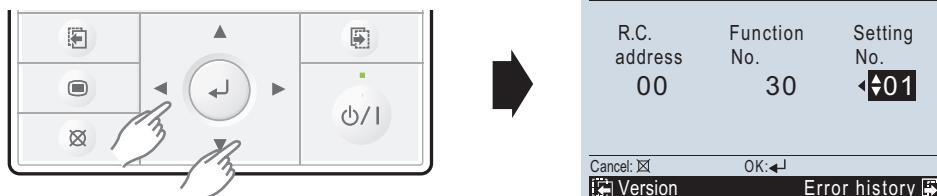
Select [Function setting] with pressing the [Cursor button (Up/Down)], and press the [Enter button].



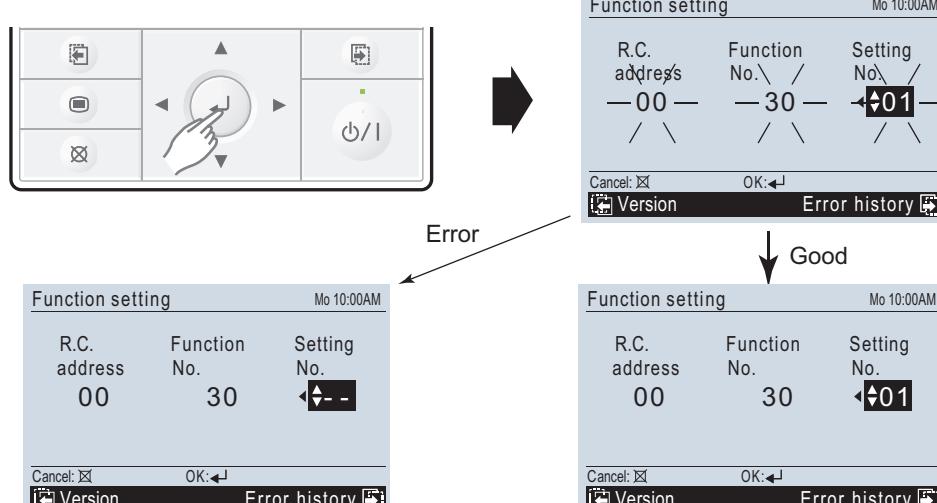
3. Select the [Function No.] with pressing the [Cursor button (Left/Right)], and select the Function No. to be set with pressing the [Cursor button (Up/Down)].



4. Select the [Setting No.] with pressing the [Cursor button (Left/Right)], and select the Setting No. to be set with pressing the [Cursor button (Up/Down)].

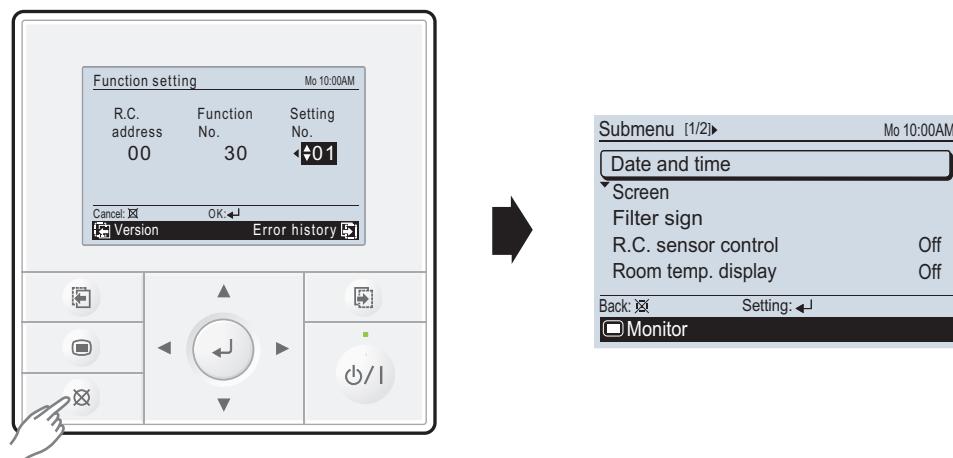


5. Pressing the [Enter button], confirm the setting.
The data will be transferred to the indoor unit.



Function details: Refer to Chapter 14-5. "[Function details](#)" on page 182.

6. When [Cancel button] is pressed twice while “Function setting” screen is displayed, it switches to the “Submenu” screen.



If no button is pressed within 60 seconds after buttons mentioned above are pressed, it will automatically exit the function setting mode.

If you exit the function setting mode unintentionally during setting, enter the mode again according to the procedure in step 2.

● Setting up each indoor unit

Repeat the procedures from step 1 to 6, and set up the indoor units requiring function setting.

● Resetting the power after setting up function of all indoor units

NOTES:

- If the reset is not performed, function cannot be read correctly.
- After all the functions have been set, the circuit breaker needs to be switched off for at least 2 minutes.
 - After the 2 minutes has passed, power can be restored.
 - The set function is stored in the PCB and will remain in memory even when the power of indoor unit is turned off.
However setting function is effective after disconnecting the power supply and then reconnecting it.
- Record the latest configuration of the indoor unit function setting on a label, and put the label on the unit so it can be used for after-sales service operations.

■ UTY-RNRYZ*

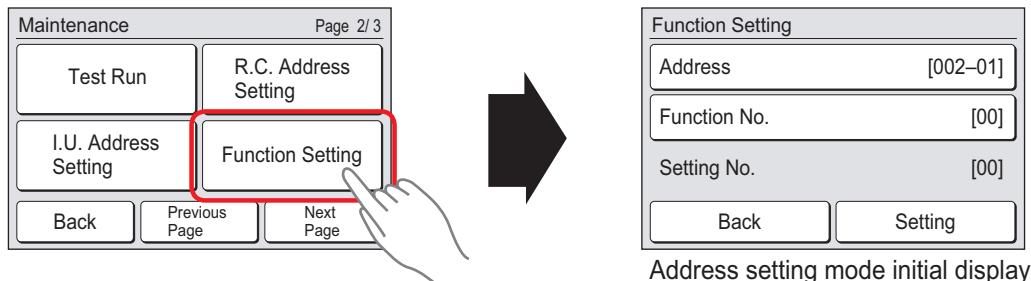
● Setting procedure by using wired remote controller

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:

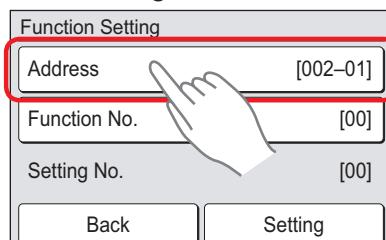
- Piping air tight test and vacuuming have been performed firmly.
- There is no wiring mistake.

- Connect the power supply.
- When the "Function Setting" on the "Maintenance" screen is touched, the "Installer Password Verification" screen is displayed. After enter the installer password, and touch the "OK", "Function Setting" screen is displayed.

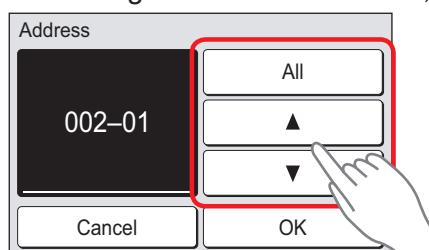


Address setting mode initial display

- Touch the "Address" on the "Function Setting" screen.

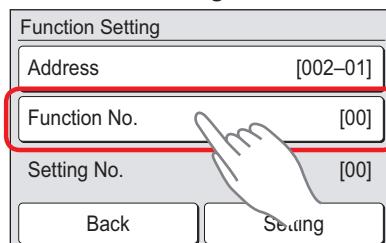


- "Address" screen is displayed. Select the address of the indoor unit whose function number is to be set by touching ▲ or ▼. When setting at all the indoor units, touch "All".

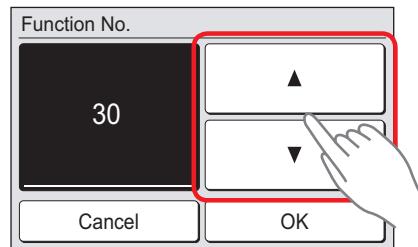


When the "OK" is touched, the display returns to the "Function Setting" screen.

- Touch the "Function No." on the "Function Setting" screen.

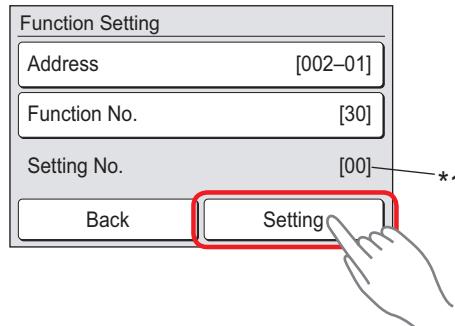


6. “Function No.” screen is displayed. Set the “Function No.” with ▲ or ▼.



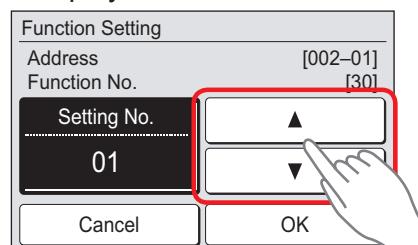
When the “OK” is touched, the display returns to the “Function Setting” screen.

7. Touch the “Function No.” on the “Function Setting” screen.



NOTE: *1: When “All” is chosen by “5”, and different set up “Setting No.” from two or more indoor units, “-” is displayed on “Setting No.”.

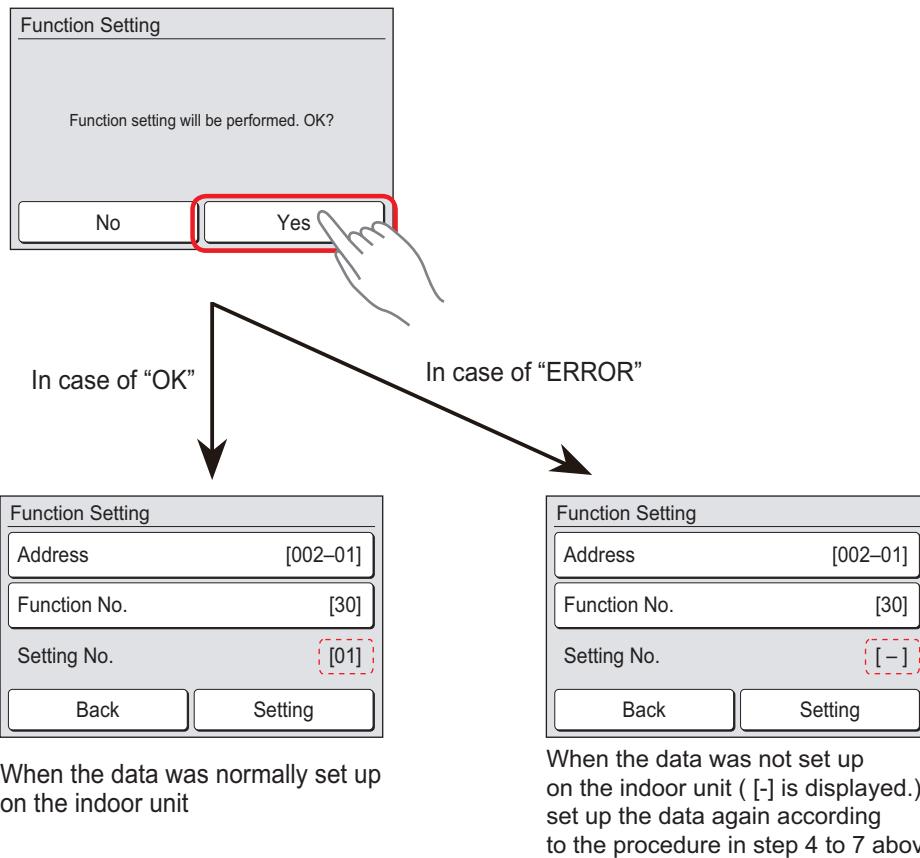
8. Setting screen of “Setting No.” is displayed. Set the “Function No.” with ▲ or ▼.



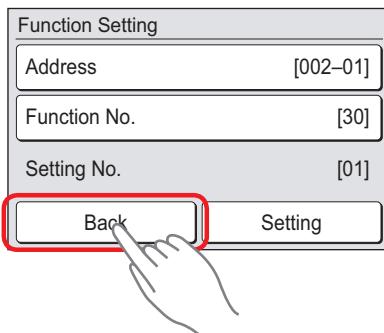
Example: Function number: 30, Setting Number: 01

When the “OK” is touched, the “Function Setting” verification screen is displayed.

9. Touch the “Yes” of the verification screen.



10. When the “Back” on the “Function Setting” screen is touched, the display returns to the “Maintenance” screen.



● Setting up each indoor unit

Repeat the procedure from step 1 to 6, and set up the indoor units requiring function setting.

● Resetting the power after setting up function of all indoor units

NOTES:

- If the reset is not performed, function cannot be read correctly.
- After all the functions have been set, the circuit breaker needs to be switched off for at least 2 minutes.
 - After the 2 minutes has passed, power can be restored.
 - The set function is stored in the PCB and will remain in memory even when the power of indoor unit is turned off.
However setting function is effective after disconnecting the power supply and then reconnecting it.
- Record the latest configuration of the indoor unit function setting on a label, and put the label on the unit so it can be used for after-sales service operations.

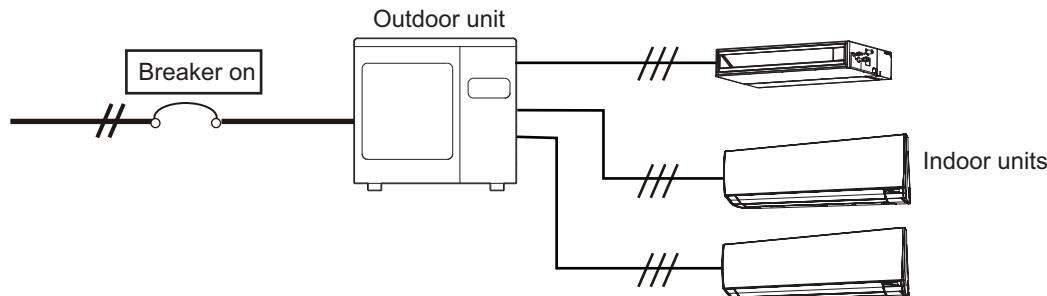
14-4. Indoor unit (setting by simple remote controller)

- 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 number.
- Settings will not be changed if invalid numbers or setting numbers are selected.
- This function cannot be used on the secondary units.

■ Preparation

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

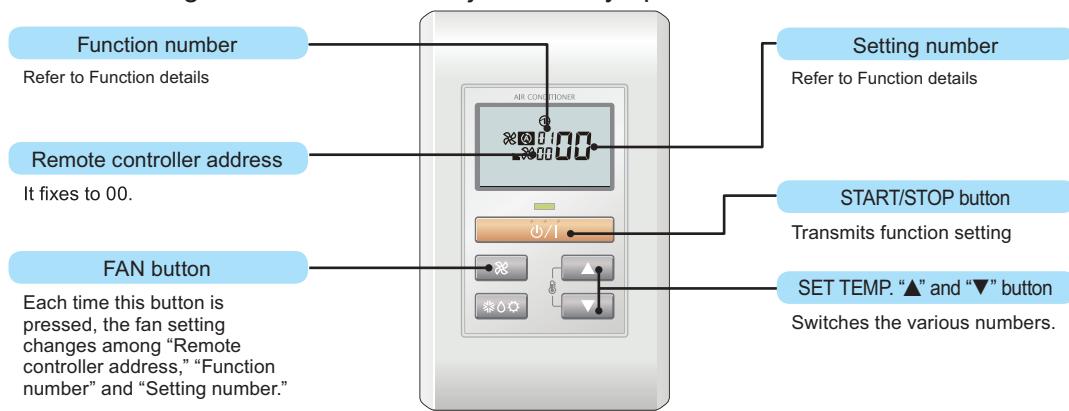
- Piping air tight test and vacuuming have been performed firmly.
- There is no wiring mistake. Then, connect the power supply of the indoor unit.



■ UTY-RSNYM

● Button name and function

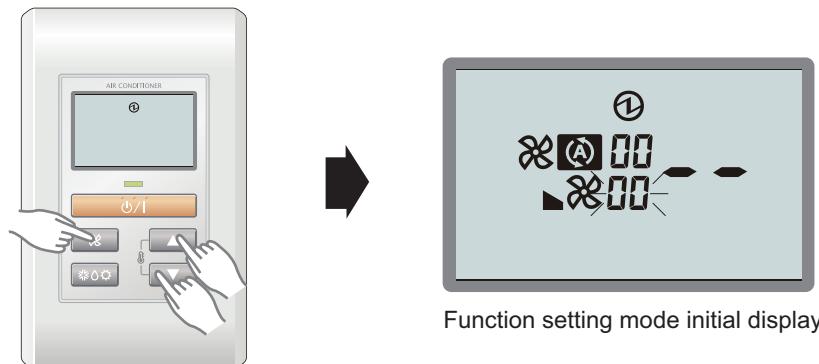
During address setting mode, indoor unit reject the any operation command from remote controller.



● Function setting procedure

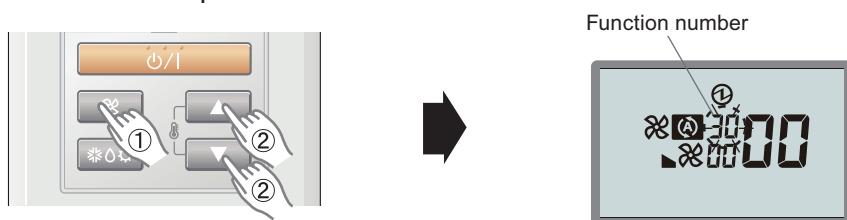
1. Connect the power supply of the outdoor unit.
2. Switch to the function setting mode.

To enter the function setting mode, hold down the 3 buttons of SET TEMP. ▲, SET TEMP. ▼ and FAN at the same time for 5 seconds or longer.

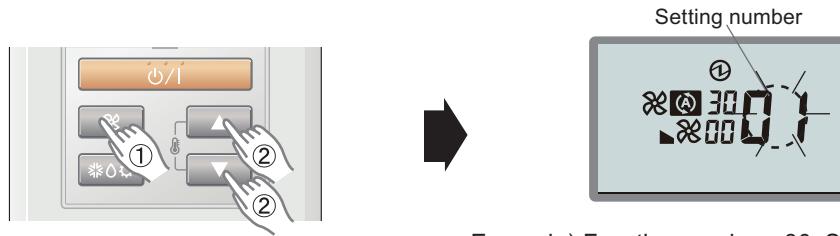


3. Press the FAN button.

The Function number indicator flashes. Then, press either the SET TEMP. ▲ button or the SET TEMP. ▼ button to set up the function number.

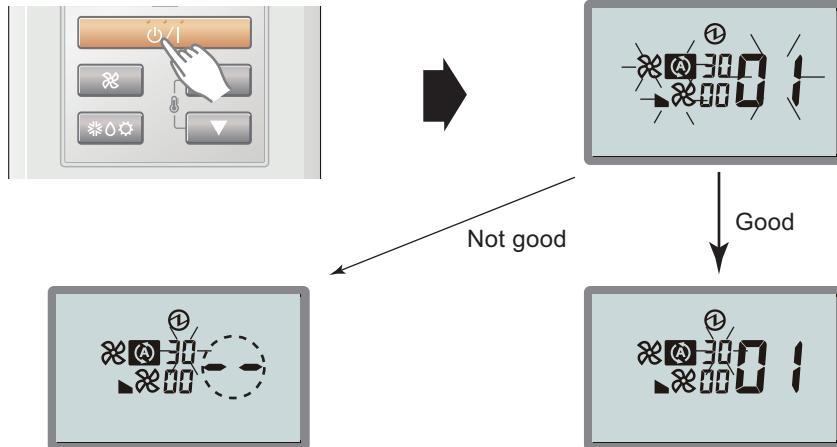


4. Select the setting number by pressing the SET TEMP. \blacktriangle or SET TEMP. \blacktriangledown button.
The setting number indicator flashes during setting number selection.



Example) Function number : 30, Setting number : 01

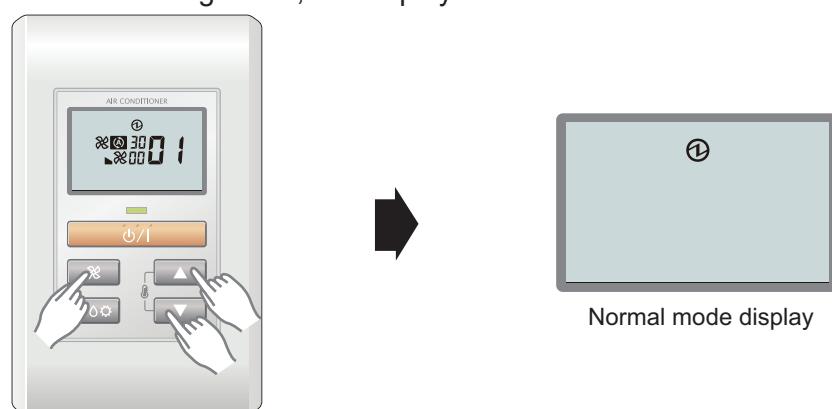
5. Confirm the setting by pressing the TIMER SET button.
The data will be transferred to the indoor unit.



- Data is not set up on the indoor unit correctly (-- is displayed.)
 - Set up the data again according to the procedure in step 3, 4 above.
- Data is correctly set up on the indoor unit.

Function details: Refer to Chapter 14-5. "Function details" on page 182.

6. Exit the function setting mode by pressing the 3 buttons of SET TEMP. \blacktriangle , SET TEMP. \blacktriangledown , and FAN at the same time for 5 seconds or longer.
After exiting the function setting mode, the display returns to the normal mode.



If no button is pressed within 60 seconds after buttons mentioned above are pressed, it will automatically exit the function setting mode.

If you exit the function setting mode unintentionally during setting, enter the mode again according to the procedure in step 2.

● Setting up each indoor unit

Repeat the procedures from step 1 to 6, and set up the indoor units requiring function setting.

● Resetting the power after setting up function of all indoor units

NOTES:

- If the reset is not performed, function cannot be read correctly.
- After all the functions have been set, the circuit breaker needs to be switched off for at least 2 minutes.
 - After the 2 minutes has passed, power can be restored.
 - The set function is stored in the PCB and will remain in memory even when the power of indoor unit is turned off.
However setting function is effective after disconnecting the power supply and then reconnecting it.
- Record the latest configuration of the indoor unit function setting on a label, and put the label on the unit so it can be used for after-sales service operations.

■ UTY-RSRY/UTY-RHRY

● Setting procedure by using wired remote controller

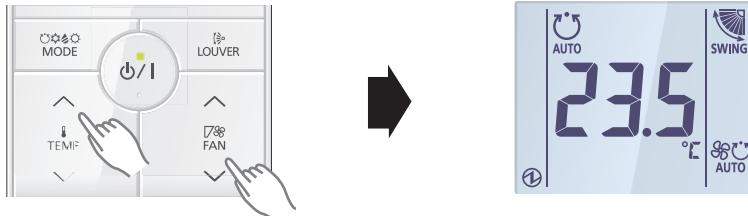
The function number and the associated setting value are displayed on the LCD of the remote controller. Follow the instructions written in the local setup procedure supplied with the remote controller, and select appropriate setting according to the installation environment.

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

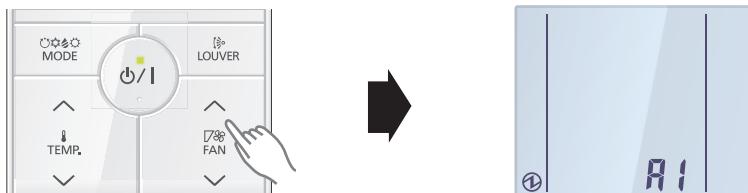
- Piping air tight test and vacuuming have been performed firmly.
- There is no wiring mistake.

NOTE: Set only one Master remote controller.

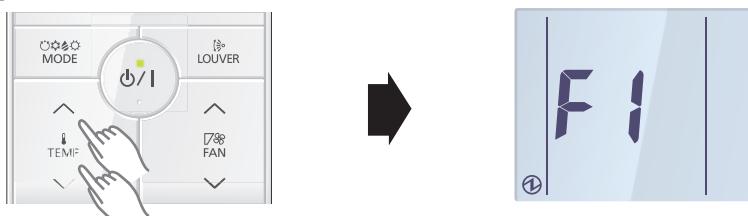
1. Connect the power supply.
2. With "Monitor mode" screen displayed, press and hold the SET TEMP. \wedge button and FAN \vee button simultaneously for at least 2 seconds.



3. The Menu 1 screen is displayed. Press and hold the SET TEMP. \wedge button at least 2 seconds. Setting mode selection screen is displayed.



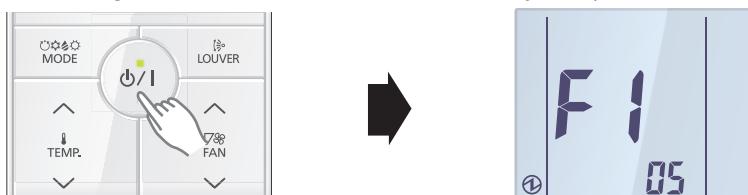
4. Press the SET TEMP. \wedge or SET TEMP. \vee button to select F1 (Menu 2-F1) setting mode or F2 (Menu 2-F2) setting mode.



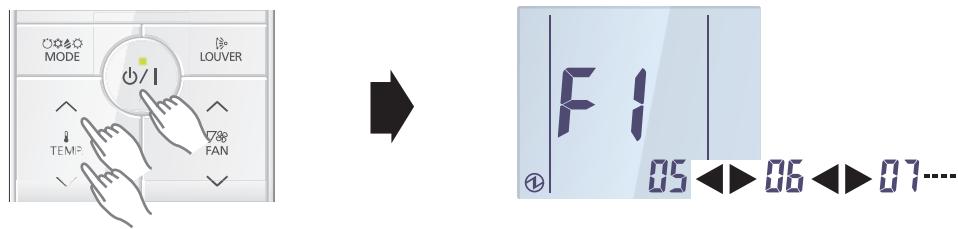
F1: Initial settings mode

F2: Maintenance settings mode

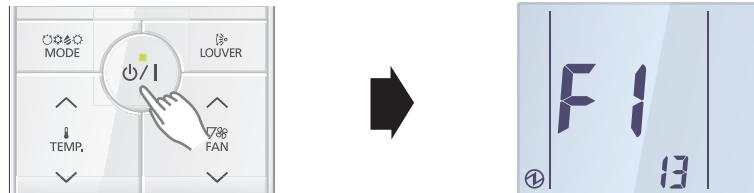
5. Press the \odot/I button. Setting item selection screen is displayed. (Item No. is displayed.)



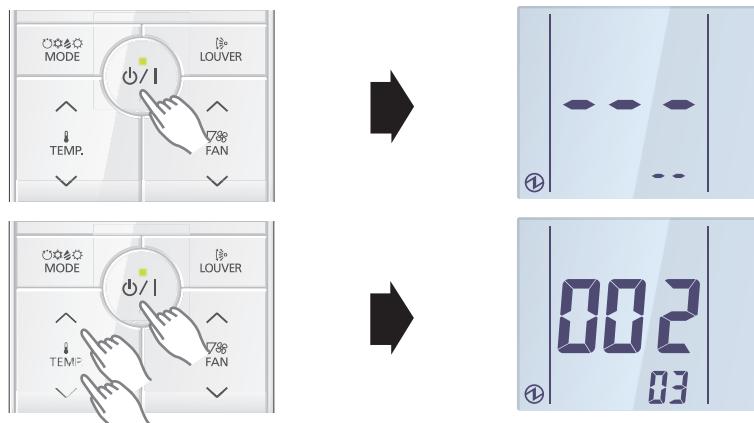
6. Select the item number to be set with the SET TEMP. \wedge or SET TEMP. \vee button, and press the O/I button to switch to the setting screen.



7. Select the "13" in Menu 2-F1 settings. Then, press the O/I button.

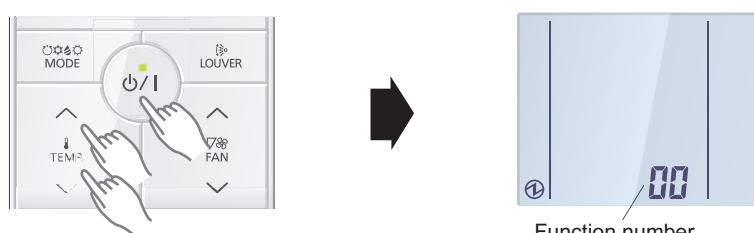


8. Select the 2-wire remote controller address with the SET TEMP. \wedge or SET TEMP. \vee button. Then press the O/I button.



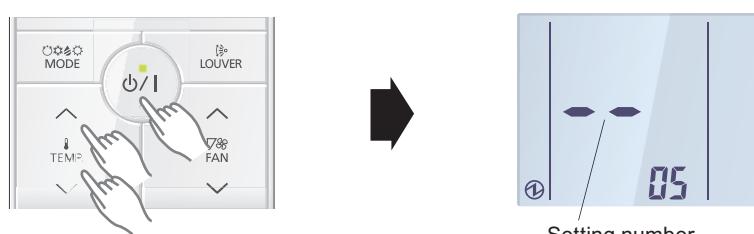
Select the 2-wire remote controller address (Ex. Select the 002-03)

9. Set the function number with the SET TEMP. \wedge or SET TEMP. \vee button. Then press the O/I button.



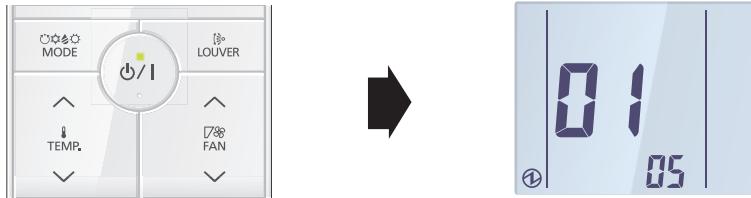
Function number

10. Set the setting number with the SET TEMP. \wedge or SET TEMP. \vee button. Then press the O/I button.



Setting number

11. Setting results are displayed after data transmission.



12. Press the P/I button to return to the 2-wire remote controller address selection screen of step 9. If setting has been completed, press the FAN V button to return to the Menu 2-F1 item selection screen.



● Setting up each indoor unit

Repeat the procedure from step 1 to 6, and set up the indoor units requiring function setting.

● Resetting the power after setting up function of all indoor units

NOTES:

- If the reset is not performed, function cannot be read correctly.
- After all the functions have been set, the circuit breaker needs to be switched off for at least 2 minutes.
 - After the 2 minutes has passed, power can be restored.
 - The set function is stored in the PCB and will remain in memory even when the power of indoor unit is turned off.
However setting function is effective after disconnecting the power supply and then reconnecting it.
- Record the latest configuration of the indoor unit function setting on a label, and put the label on the unit so it can be used for after-sales service operations.

14-5. Function details

■ 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	Compact cassette	Mini duct	Slim duct	Wall mounted		
						KG	KM	KE
1)	00	Remote controller address setting	—	—	—	•	•	•
2)	11	Filter sign	•	•	•	•	•	•
3)	20	Ceiling height	•	—	—	—	—	—
4)	22	Outlet directions	•	—	—	—	—	—
5)	26	Static pressure	—	•	•	—	—	—
6)	30/31	Room temperature control for indoor unit sensor	•	•	•	•	•	•
7)	35/36	Room temperature control for wired remote controller sensor	•	•	•	•	•	•
8)	40	Auto restart	•	•	•	•	•	•
9)	42	Room temperature sensor switching	•	•	•	•	•	•
10)	44	Remote controller custom code	•	•	•	•	•	•
11)	46	External input control	•	•	•	•	•	•
12)	48	Room temperature sensor switching (Aux.)	•	•	•	•	•	•
13)	49	Indoor unit fan control for energy saving for cooling	•	—	•	•	•	•
14)	60	Switching functions for external output terminal	•	•	•	•	—	—

1) Remote controller address setting

NOTES:

- Because this setting is normally done automatically when 2-wire-type wired remote controller is installed, setting is unnecessary.
- This setting is configurable only by wireless remote controller, but not configurable by Polar 3-wired remote controller.

Multiple indoor units can be operated by using one wired remote controller.

Set the unit number of each indoor unit.

Function number	Setting value	Setting description	Factory setting
00	00	Unit no. 0	◆
	01	Unit no. 1	
	02	Unit no. 2	
	03	Unit no. 3	
	04	Unit no. 4	
	05	Unit no. 5	
	06	Unit no. 6	
	07	Unit no. 7	
	08	Unit no. 8	
	09	Unit no. 9	
	10	Unit no. 10	
	11	Unit no. 11	
	12	Unit no. 12	
	13	Unit no. 13	
	14	Unit no. 14	
	15	Unit no. 15	

NOTES:

- When connecting Polar 3-wired remote controller, set the remote controller address in the order of 0, 1, 2,, and 15.
- When different type of indoor units (such as wall mounted type and cassette type, cassette type and duct type, or other combinations) are connected using group control system, some functions may no longer be available.

2) 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	
	01	Long interval	
	02	Short interval	
	03	No indication	◆

Setting description	Compact cassette	Mini duct	Slim duct	Wall mounted
Standard	2,500 hours		400 hours	
Long interval	4,400 hours		1,000 hours	
Short interval	1,250 hours		200 hours	

3) Ceiling height

Select the appropriate ceiling height according to the place of installation.

Function number	Setting value	Setting description	Factory setting
20	00	Standard	◆
	01	High ceiling	

For the specific height for each setting value, refer to "Installation space" in Chapter 3. "[Dimensions](#)" on page 11.

In case of cassette type models:

The ceiling height values are for the 4-way outlet. Do not change this setting in the 3-way outlet mode.

7,000 or 9,000 Btu/h models cannot be installed in high ceilings. Do not change this setting.

4) Outlet directions

Select the appropriate number of outlet directions according to the installation conditions.

Function number	Setting value	Setting description	Factory setting
22	00	4-way	◆
	01	3-way	

5) Static pressure

Select the appropriate static pressure according to the installation conditions.

For mini duct type:

Function number	Setting value	Setting description	Factory setting
26	00	0 Pa	
	01	10 Pa	
	02	20 Pa	
	03	30 Pa	
	04	40 Pa	
	05	50 Pa	
	31	Standard (10 Pa: 07; 09; 12 types, 15 Pa: 14 type)	♦

NOTES:

- Range of static pressure is different by model.

Model name	Range of static pressure	
07 type	0 to 30 Pa	
09 type		
12 type		
14 type	0 to 50 Pa	

- Setting number in 07, 09, or 12 type is “04 to 30”: Operation is same as that “03”.
- Setting number in 14 type is “06 to 30”: Operation is same as that “05”.
- Setting number value cannot be set to 32 or more.

For slim duct type:

Function number	Setting value	Setting description	Factory setting
26	00	0 Pa	
	01	10 Pa	
	02	20 Pa	
	03	30 Pa	
	04	40 Pa	
	05	50 Pa	
	06	60 Pa	
	07	70 Pa	
	08	80 Pa	
	09	90 Pa	
	31	Standard (25 Pa)	♦

6) Room temperature control for indoor unit sensor

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

The temperature of the room temperature sensor is corrected as follows:

Corrected temp. = Temp. of the room temp. sensor - Correction temp. value

Example of correction:

When the temperature of the room temp. sensor is 26°C and the setting value is "03" (-1.0°C), corrected temp. will be 27°C (26°C - [-1.0°C]).

The temperature correction values show the difference from the Standard setting "00" (manufacturer's recommended value).

Function number	Setting value	Setting description	Factory setting			
30 (For cooling)	31 (For heating)	00	Standard setting			
		01	No correction 0.0 °C			
		02	-0.5 °C			
		03	-1.0 °C			
		04	-1.5 °C			
		05	-2.0 °C			
		06	-2.5 °C			
		07	-3.0 °C			
		08	-3.5 °C			
		09	-4.0 °C			
		10	+0.5 °C			
		11	+1.0 °C			
		12	+1.5 °C			
		13	+2.0 °C			
		14	+2.5 °C			
		15	+3.0 °C			
		16	+3.5 °C			
		17	+4.0 °C			
		More cooling Less heating	◆			

7) Room temperature control for wired remote controller sensor

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

To change this setting, set Function 42 to Both “01”.

Ensure that the Thermo Sensor icon is displayed on the remote controller screen.

Function number	Setting value	Setting description	Factory setting
35 (For cooling)	36 (For heating)	00	Standard setting
		01	No correction 0.0°C
		02	-0.5 °C
		03	-1.0 °C
		04	-1.5 °C
		05	-2.0 °C
		06	-2.5 °C
		07	-3.0 °C
		08	-3.5 °C
		09	-4.0 °C
		10	+0.5 °C
		11	+1.0 °C
		12	+1.5 °C
		13	+2.0 °C
		14	+2.5 °C
		15	+3.0 °C
		16	+3.5 °C
		17	+4.0 °C

8) 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.

9) Room temperature sensor switching

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.

10) 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	

11) 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 1	◆
	01	(Setting prohibited)	
	02	Forced stop mode	
	03	Operation/Stop mode 2	

12) 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	

13) 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	
	02	Remote controller	◆

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.

02: Enable or disable this function by remote controller setting.

NOTES:

- As the factory setting, this setting is initially activated.
- Set to "00" or "01" when connecting a remote controller that cannot set the Fan control for energy saving function or connecting a network converter.
To confirm if the remote controller has this setting, refer to the operating manual of each remote controller.

14) Switching functions for external output terminal (For other than ASYG07-14KMTB and ASYG07-14KMCC)

Functions of the external output terminal can be switched. For details, refer to "External input and output".

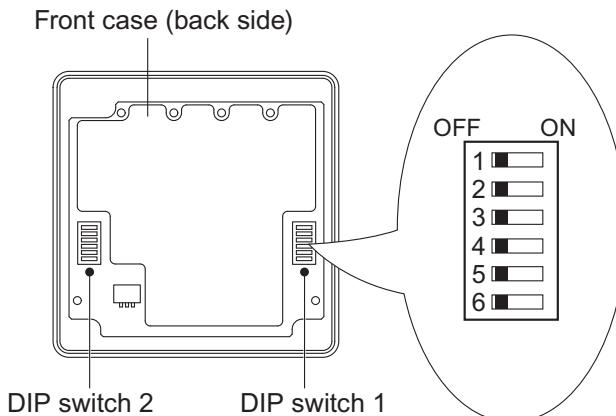
Function number	Setting value	Setting description	Factory setting
60	00	Operation status	♦
	01—08	(Setting prohibited)	
	09	Error status	
	10	Indoor unit fan operation status	
	11	External heater	

14-6. Wired remote controller (UTY-RNNYM)

DIP switch 1	SW1	Prohibited
	SW2	Dual remote controller setting
	SW3	Prohibited
	SW4	°F/°C switch
	SW5	Prohibited
	SW6	Memory backup setting

* Do not use DIP switch 2.

■ Switch location

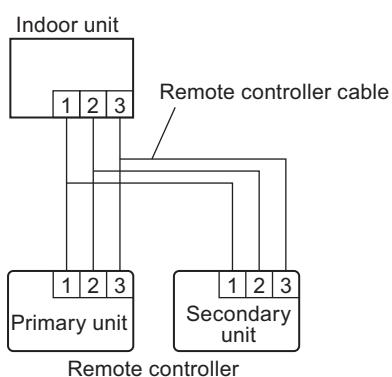


■ DIP switch 1 setting

● SW2: Dual remote controller setting

Set the remote controller SW2 according to the following table.

Number of remote controller	Primary unit	Secondary unit	Factory setting
	SW2	SW2	
1 (Normal)	OFF	—	◆
2 (Dual)	OFF	ON	



● SW4: Switching temperature unit °F / °C

Displayed temperature unit can be switched between Fahrenheit (°F) and Celsius (°C).

SW4	Fahrenheit (°F) / Celsius (°C)	Factory setting
OFF	°C	◆
ON	°F	

● SW6: Memory backup setting

Set to “ON” to use batteries for the memory backup.

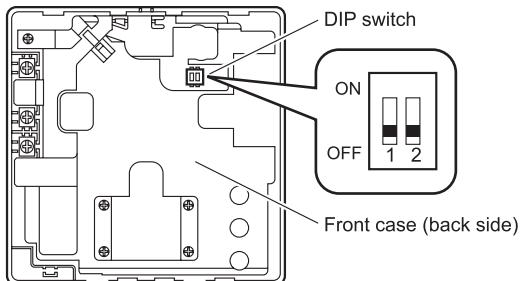
When batteries are not used, all of settings stored in memory will be deleted if there is a power failure.

SW6	Memory backup	Factory setting
OFF	Disable	♦
ON	Enable	

14-7. Wired remote controller (UTY-RVNYM)

DIP switch 1	SW1	Memory backup setting
	SW2	Dual remote controller setting

■ Switch location



■ DIP switch setting

● SW1: Memory backup setting

Set to "ON" to use batteries for the memory backup.

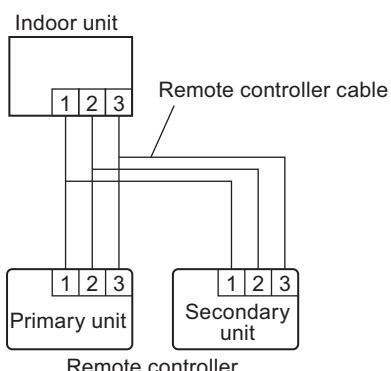
When batteries are not used, all of settings stored in memory will be deleted if there is a power failure.

SW1	Memory backup	Factory setting
OFF	Disable	◆
ON	Enable	

● SW2: Dual remote controller setting

Set the remote controller SW2 according to the following table.

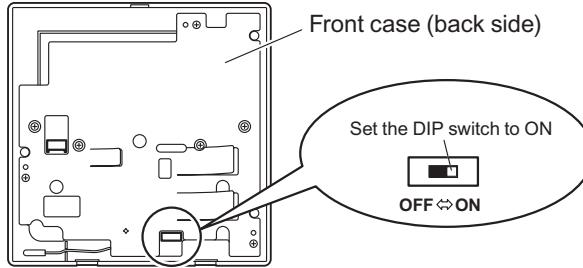
Number of remote controller	Primary unit	Secondary unit	Factory setting
	SW2	SW2	
1 (Normal)	OFF	—	◆
2 (Dual)	OFF	ON	



14-8. Wired remote controller (UTY-RLRY)

DIP switch	Memory backup setting
------------	-----------------------

■ Switch location



■ Dip switch setting

● SW1: Memory backup setting

Set to "ON" to use batteries for the memory backup.

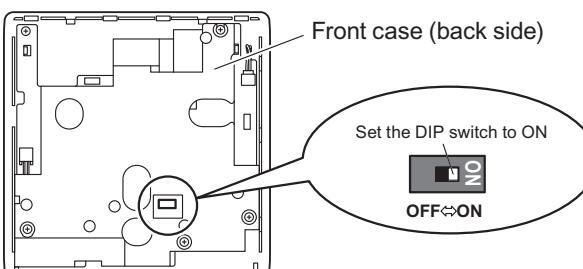
When batteries are not used, all of settings stored in memory will be deleted if there is a power failure.

SW1	Memory backup	Factory setting
OFF	Disable	◆
ON	Enable	

14-9. Wired remote controller (UTY-RNRYZ*)

DIP switch	Memory backup setting
------------	-----------------------

■ Switch location



■ Dip switch setting

● SW1: Memory backup setting

Set to "ON" to use batteries for the memory backup.

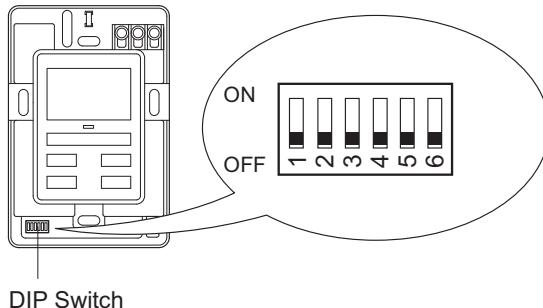
When batteries are not used, all of settings stored in memory will be deleted if there is a power failure.

SW1	Memory backup	Factory setting
OFF	Disable	◆
ON	Enable	

14-10. Simple remote controller (UTY-RSNYM)

DIP switch	SW1	Prohibited
	SW2	Dual remote controller setting
	SW3	°F/°C switch
	SW4	Prohibited
	SW5	Prohibited
	SW6	Prohibited

■ Switch location

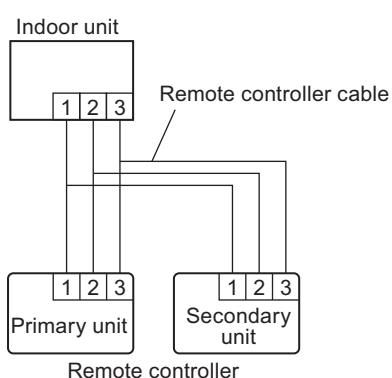


■ DIP switch setting

● SW2: Dual remote controller setting

Set the remote controller SW2 according to the following table.

Number of remote controller	Primary unit	Secondary unit	Factory setting
	SW2	SW2	
1 (Normal)	OFF	—	◆
2 (Dual)	OFF	ON	



● SW3: Switching temperature unit °F / °C

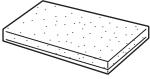
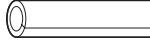
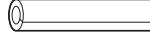
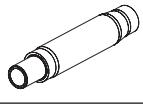
Displayed temperature unit can be switched between Fahrenheit (°F) and Celsius (°C).

SW3	Fahrenheit (°F) / Celsius (°C)	Factory setting
OFF	°C	◆
ON	°F	

15. Accessories

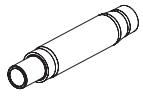
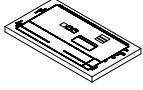
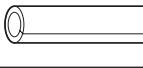
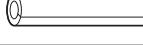
15-1. Compact cassette type

■ Models: AUXG07KVLA, AUXG09KVLA, AUXG12KVLA, and AUXG14KVLA

Part name	Exterior	Q'ty	Part name	Exterior	Q'ty
Operating manual		1	Drain hose insulation		1
Operating manual (CD-ROM)		1	Hose band		1
Installation manual		1	Coupler heat insulation (large)		1
Template (Carton top)		1	Coupler heat insulation (small)		1
M10 nut A (with flange)		4	Cable tie		2
M10 nut B (with spring lock washer)		4	Wire crammer		1
Drain hose		1			

15-2. Mini duct type

■ Models: ARXG07KSLAP, ARXG09KSLAP, ARXG12KSLAP, and ARXG14KSLAP

Part name	Exterior	Q'ty	Part name	Exterior	Q'ty
Operating manual		1	Drain hose		1
Operating manual (CD-ROM)		1	Hose band		1
Installation manual		1	Drain hose insulation B		1
Installation template (Carton top)		1	Washer		8
Cable tie (large)		4	Coupler heat insulation (large)		1
Cable tie (medium)		3	Coupler heat insulation (small)		1
Filter (small)		2	Insulation (For electrical wiring)		2

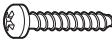
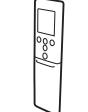
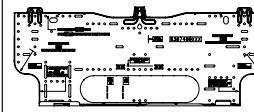
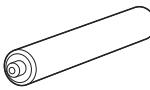
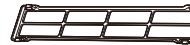
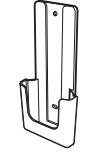
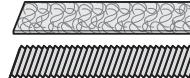
15-3. Slim duct type

■ Models: ARXG07KLLAP, ARXG09KLLAP, ARXG12KLLAP, and ARXG14KLLAP

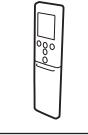
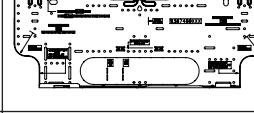
Part name	Exterior	Q'ty	Part name	Exterior	Q'ty
Operating manual		1	Filter (small)		2
Operating manual (CD-ROM)		1	Drain hose		1
Installation manual		1	Hose band		1
Installation template		1	Drain hose insulation B		1
Washer		8	Insulation (for electrical wiring)		2
Cable tie (large)		4	Coupler heat insulation (large)		1
Cable tie (medium)		3	Coupler heat insulation (small)		1

15-4. Wall mounted type

■ Models: ASYG07-14KGTB, ASYG07-14KMTB, and ASYG07-14KMCC

Part name	Exterior	Q'ty	Part name	Exterior	Q'ty
Operating manual		1	Cloth tape		1
Operating manual (CD-ROM)		1	Tapping screw (large)		5
Installation manual		1	Tapping screw (small)		2
Remote controller		1	Wall hook bracket		1
Battery		2	Filter holder		2
Remote controller holder		1	Air cleaning filters		1

■ Models: ASYG07KETA, ASYG09KETA, ASYG12KETA, ASYG14KETA, ASYG07KETA-B, ASYG09KETA-B, ASYG12KETA-B, and ASYG14KETA-B

Part name	Exterior	Q'ty	Part name	Exterior	Q'ty
Operating manual		1	Cloth tape		1
Operating manual (CD-ROM)		1	Tapping screw (large)		5
Installation manual		1	Tapping screw (small)		2
Remote controller		1	Wall hook bracket		1
Battery		2	Filter holder		2

Part name	Exterior	Q'ty	Part name	Exterior	Q'ty
Remote controller holder		1	Air cleaning filters		1
Template (for pipe cover cutting)		1			

16. Optional parts

16-1. Controllers

■ Lineup

Indoor unit type		Type							
		Wireless remote controller				Wired remote controller			
		AR-REM4E	AR-REB1E	AR-REW4E	UTY-LNTY	UTY-RNRYZ*	UTY-RVNYM	UTY-RLRY	UTY-RNNYM
Compact cassette	—	—	—	—	○	○	○	○	○
Mini duct	—	—	—	—	—	○	○	○	○
Slim duct	—	—	—	—	—	○	○	○	○
Wall mounted	KG	●	—	—	—	○*2	—	○*2	—
	KM	—	●	—	—	—	○*1	—	○*1
	KE	—	—	●	—	○*2	—	○*2	—

Indoor unit type		Type				
		IR receiver kit with Wireless remote controller		Simple remote controller		
		UTY-LBTYM		UTY-RSNYM	UTY-RSRY	UTY-RHRY
Compact cassette	—	—	—	○	○	○
Mini duct	—	○	—	○	○	○
Slim duct	—	○	—	○	○	○
Wall mounted	KG	—	—	—	○*2	○*2
	KM	—	—	○*1	—	—
	KE	—	—	—	○*2	○*2

●: Accessory, ○: Optional, —: Not applicable

- *1: Optional Communication kit (UTY-TWBXF2) is necessary for the installation.
- *2: Optional Communication kit (UTY-TWRXZ2) is necessary for the installation.

■ Parts

Wireless remote controller



AR-REW4E



AR-REM4E

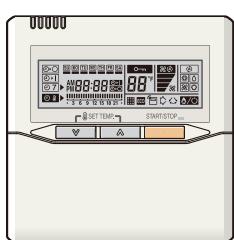


AR-REB1E



UTY-LNTY

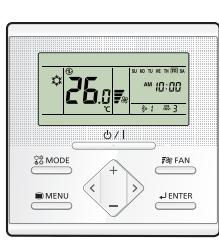
Wired remote controller



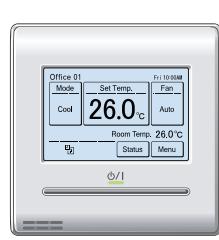
UTY-RNNYM



UTY-RVNYM



UTY-RLRY

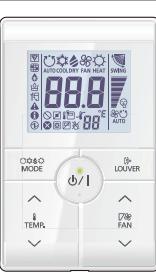


UTY-RNRYZ*

IR receiver kit with Wireless remote controller



UTY-LBTYM



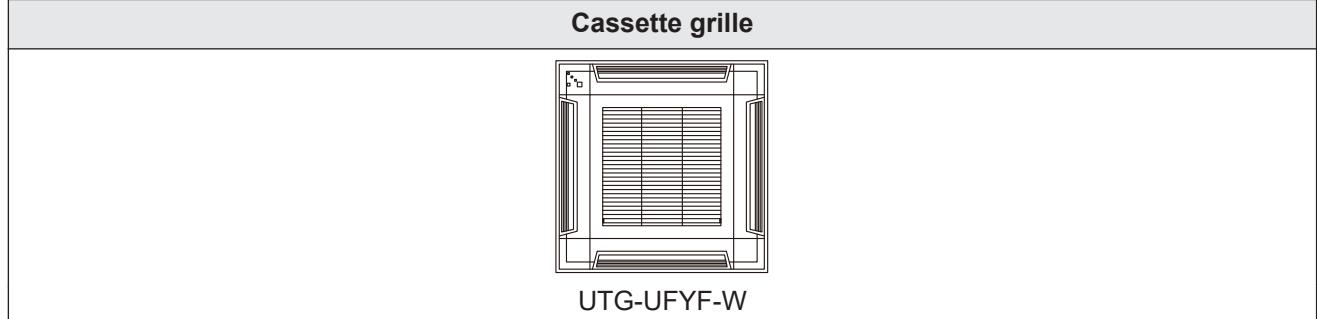
Simple remote controller

16-2. Cassette grille

■ Lineup

Indoor unit type	Model
Compact cassette	UTG-UFYF-W

■ Part



16-3. Others

■ Lineup

Indoor unit type		Type				
		Air outlet shutter plate	Insulation kit for high humidity	Fresh air intake kit	External input and output PCB	External switch controller
		UTR-YDZB	UTZ-KXGC	UTZ-VXAA	UTY-XCSXZ2	UTY-TERX
Compact cassette	○	○	○	—	○	—
Mini duct	—	—	—	—	—	○
Slim duct	—	—	—	—	—	○
Wall mounted	KG	—	—	—	○	—
	KM	—	—	—	—	—
	KE	—	—	—	○	—

Indoor unit type		Type				
		Auto louver grille kit	External connect kit			KNX converter
		UTD-GXTA-W	UTY-XWZX	UTY-XWZXZ5	UTY-XWZXZG	UTY-VKSX
Compact cassette	—	—	—	—	○	○
Mini duct	○	—	—	—	○	○
Slim duct	○	—	—	—	○	○
Wall mounted	KG	—	○	—	—	—
	KM	—	—	○	—	—
	KE	—	—	○	—	—

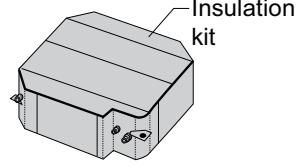
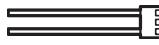
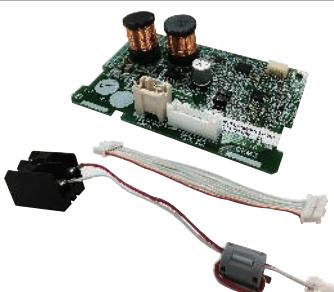
Indoor unit type		Type						
		MODBUS converter	Remote sensor unit	Communication kit		Wireless LAN adapter ^{*1}		
		UTY-VMSX	UTY-XSZX	UTY-TWBXF2	UTY-TWRXZ2	UTY-TFSXW1	UTY-TFSXF2	UTY-TFSXZ1
Compact cassette	○	—	—	—	—	—	—	○
Mini duct	○	○	—	—	—	—	—	○
Slim duct	○	○	—	—	—	—	—	○
Wall mounted	KG	—	—	○	○	—	—	—
	KM	—	—	○	○	—	—	—
	KE	—	—	—	○	—	○	—

●: Accessory, ○: Optional, —: Not applicable

- *1: For details of WLAN control, refer to "Design & Technical manual" or "Setting manual" of WLAN control system.

NOTE: Combined use of MODBUS converter, KNX converter, and Wireless LAN adapter (UTY-TFSXZ1 only) is not allowed.

■ Parts

Air outlet shutter plate Model: UTR-YDZB	Insulation kit for high humidity Model: UTZ-KXGC
 For compact cassette type	 For compact cassette type
Fresh air intake kit Model: UTZ-VXAA	External connect kit Model: UTY-XWZXZG
 For compact cassette type	 For compact cassette, mini duct, slim duct types
External connect kit Model: UTY-XWZX	External connect kit Model: UTY-XWZXZ5
 (x 1)  (x 1) For wall mounted (KG) type	 (x 1)  (x 2) For wall mounted (KM, KE) type
External input and output PCB Model: UTY-XCSXZ2	Communication kit Model: UTY-TWRXZ2
 For wall mounted (KG, KE) type	 For wall mounted (KG, KE) type
Communication kit Model: UTY-TWBXF2	MODBUS converter Model: UTY-VMSX
 For wall mounted (KM) type	
KNX converter Model: UTY-VKSX	External switch controller Models: UTY-TERX
	

Remote sensor unit Model: UTY-XSZX	Auto louver grille kit Models: UTD-GXTA-W
	
For slim duct and mini duct types	For slim duct and mini duct types
Wireless LAN adapter Models: UTY-TFSXZ1	Wireless LAN adapter Models: UTY-TFSXW1
	
For compact cassette, mini duct, and slim duct types	For wall mounted type
Wireless LAN adapter Models: UTY-TFSXF2	
	
For wall mounted (KE) type	

17. Indoor unit installation precautions

NOTE: The information listed below are general precautions.

Some models also include items that do not apply.

17-1. Places where prohibited for use

- Places where there is a danger of combustible gas leakage.
- Places where sulfur gas, chlorine gas, acid, alkali, or other matter which effects equipment is generated.
- Places where there is a lot of oil splash and steam such as kitchen or machinery room.
- Places where machinery which generates high frequencies is used.
- Ocean beaches and other areas where there is a lot of salt.
- Places where carbon fibers or any kind of powder suspended in the air.
- Inside of vehicles, ships, and other conveyances.
- Places where voltage fluctuations are large such as a factory.

17-2. Points to remember when installing

- The product shall be installed at a place which can withstand the weight and vibration of the indoor.
- To allow maintenance after refrigerant piping, drain piping, and electric wiring connection and installation, provide an installation service space and an inspection port, as required.
*Installation service space is shown on "[Dimensions](#)" on page 11.
- Be careful when installing the unit at the following places.

Condition	Contents	Countermeasures (Reference)
When the ceiling is high.	If the indoor unit is installed where the installation height given in the installation manual is exceeded, the temperature difference between the floor and ceiling of the room will be large and the heating effect will be poor. Moreover, even if the indoor unit is installed within the installation height, a similar phenomena will occur when installed in a room in which the doors are opened and closed frequently and hot air circulation is obstructed by furniture such as desks or chairs.	<ol style="list-style-type: none"> Switch the setting to the high ceiling mode. Install a circulator. Arrange the furniture in the room so that it does not obstruct the hot air.
When lower level directly contacts the outside air.	When the lower level of the room is a semi-open space such as warehouse or parking lot the surface temperature of the flooring will become low and the radiation of cold from the floor will increase. In this case, even if the room temperature is suitable, you may feel the foot level is cold.	
When the airflow distribution is poor.	When an indoor unit is installed in a position where the outlet airflow will directly contact people, a draft may be felt. In addition, when there are obstructions in the path of the intake and outlet airflow, the air distribution may become extremely bad.	<ol style="list-style-type: none"> Adjust the louver fins or take other measures matched to the site. Change the indoor unit outlet.

Condition	Contents	Countermeasures (Reference)
When inside the ceiling is high temperature and high humidity.	When the indoor unit is installed where the inside of the ceiling is 30 °C RH80% or greater, the dew point temperature of the outer perimeter may become higher than the cabinet surface temperature and moisture will condense on the surface of the cabinet and water drops may fall inside the room. ("Figure 17-1 Moist air curve") In addition, the humidity may vary considerably the same as when the inside of the ceiling is close to hermetically sealed and used as the outside air intake path.	<ol style="list-style-type: none"> 1. Add heat insulating material to the outside of the indoor unit cabinet. *Regarding the cassette type, use of optional High humidity correspondence kit is recommended. 2. Strengthen the heat insulating material of the refrigerant piping and drain piping too. ("Figure 17-2 Work method when reinforcing the heat insulation of on-site piping") 3. When the humidity inside the ceiling changes considerably, install a ventilation port.
When using an external duct.	When using an external duct to take in new fresh air, etc., condensation may form on the surface of the duct due to the effect of the outside air temperature and the humidity inside the ceiling.	Always perform heat insulation processing. (Heat insulating material: Glass wool 25 mm thick or more.)
When the remote controller installation site is bad.	If the cold or warm air blown out from the air conditioner directly contacts the thermostat section of the remote controller, the outlet temperature of the air conditioner may be sensed and room temperature control will be different from the room temperature, and "not cooled" or "not heated" or other trouble may occur. In addition, there is the possibility that the same kind of trouble may also occur when the remote controller is effected by direct sunlight.	<ol style="list-style-type: none"> 1. Install the remote controller where it will not be directly exposed to the cold or hot air. 2. Install the remote controller where it will not be directly exposed to sunlight or strong lighting.
When installation environment is quiet.	When the wall mounted type was installed in a bedroom, living room, or other quiet place, the sound of the refrigerant flow may be sensed as noise and must be taken into account.	<ol style="list-style-type: none"> 1. Plan installation of a model with external expansion valve. 2. Plan installation of a branch box farther from indoor unit. 3. Plan installation using another air conditioner.
When installing duct type in ceiling chamber system.	In the case of the ceiling chamber system (duct is not installed at indoor unit inlet side and room air is sucked into the indoor unit through the inside of the ceiling), the thermistor inside the indoor unit may not correctly detect the room temperature. <ul style="list-style-type: none"> • Heating operation: Room is not heated because the indoor unit is easily turned off by the thermostat. • Cooling operation: Room is too cold because the indoor unit is difficult to turn off by the thermostat. 	Replace the indoor unit thermistor with optional Remote sensor unit, and install the sensor where the room temperature can be correctly detected.
When the outlet air is sucked in at duct type.	Cooling operation does not cool the room and heating operation does not heat the room because the short circuited indoor unit is not turned on by the thermostat.	<ol style="list-style-type: none"> 1. Reconsider the ventilation port construction. 2. Replace the indoor unit thermistor with optional Remote sensor unit, and install the sensor where the room temperature can be correctly detected.
When using the wireless remote controller.	Signals may not be received when using it in a room illuminated by an inverter fluorescent lamp.	Turn on the fluorescent lamp and check if the indoor unit receives the signals from the remote controller. If the indoor unit does not receive the signals, consult an authorized service personnel.
When installing the inverter type.	It may generate noise in TV sets, stereos and PCs.	The inverter type should be installed at a sufficient distance from these equipments.

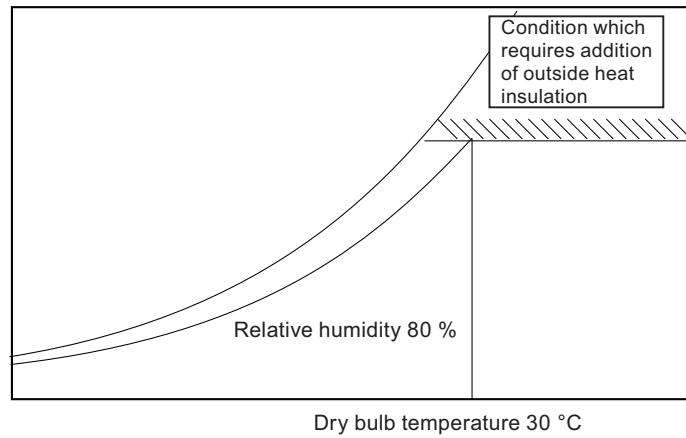


Figure 17-1 Moist air curve

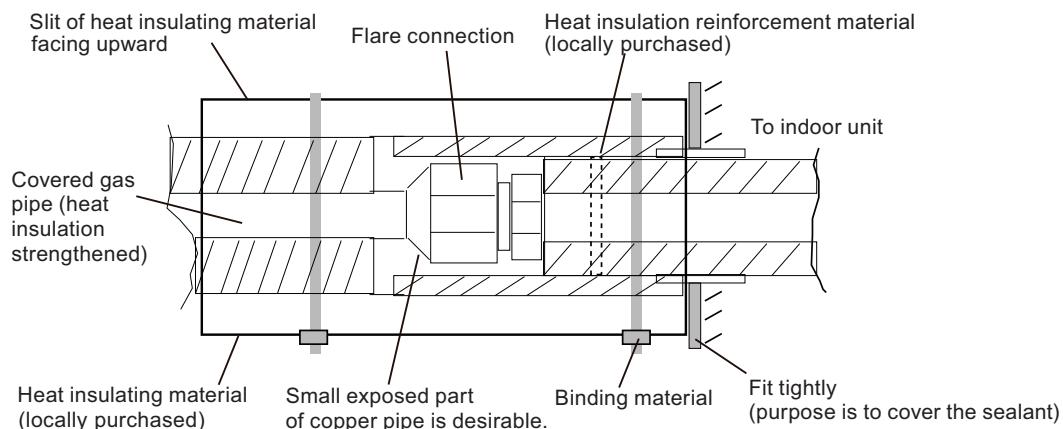


Figure 17-2 Work method when reinforcing the heat insulation of on-site piping

Part 2. OUTDOOR UNIT (2 UNITS TYPE)

MULTI-SPLIT TYPE:

AOYG14KBTA2

AOYG18KBTA2

1. Specifications

Type	Inverter heat pump					
Model name	AOYG14KBTA2		AOYG18KBTA2			
Power source	230 V 50 Hz					
Available voltage range	198—264V					
Standard combination of indoor unit	Wall mounted ASYG07KGTB ×2		Wall mounted ASYG09KGTB ×2			
Capacity	Cooling	Rated	kW	4.0		
			Btu/h	13,600		
		Min.—Max.	kW	1.4—4.6		
			Btu/h	4,700—15,700		
	Heating	Rated	kW	4.4		
			Btu/h	15,000		
		Min.—Max.	kW	1.1—5.5		
			Btu/h	3,700—18,800		
Input power	Cooling	Rated	kW	0.97		
				1.24		
	Heating	Rated		1.20		
				1.55		
Current	Cooling	Rated	A	0.95		
				1.22		
EER	Cooling		A	1.65		
				1.80		
COP	Heating	Rated	A	4.7		
Starting current			A	4.7		
Maximum operating current *1			A	10.9		
				11.6		
Fan	Type × Q'ty			Propeller × 1		
	Airflow rate	Cooling	m³/h	1,670		
		Heating		1,670		
Sound pressure level *2	Motor output			23		
	Cooling			47		
	Heating			49		
Heat exchanger	Dimension (H × W × D)			504 × 881 × 18.19		
				504 × 851 × 18.19		
	Fin pitch			1.3		
	Rows × Stages			2 × 24		
Compressor	Pipe type (Material)			Copper tube		
	Fin type (Material)			Aluminum		
	Type	DC rotary × 1				
Refrigerant	Motor output	W	R32 (675)	900		
	Charge	g		1,020		
Refrigerant oil	Type	RB68A				
	Amount	cm³	340		350	
Enclosure	Material	Steel sheet				
	Color	Beige (Approximate color of Munsell 10YR 7.5/1.0 NN)				
Dimensions (H × W × D)	Net	mm	542 × 799 × 290			
	Gross		602 × 940 × 375		692 × 940 × 375	
Weight	Net	kg	33		37	
	Gross		37		41	
Connection pipe	Size	Liquid	mm (in)	Ø6.35 (Ø1/4) × 2		
		Gas		Ø9.52 (Ø3/8) × 2		
	Method				Flare	
	Pre-charge length (Total)				20	
	Maximum length (Total)				30	
	Maximum length (Each)				20	
	Minimum length (Total)				5	
	Minimum length (Each)				2.5	
	Maximum height difference between outdoor unit and each indoor units.				15	
Maximum height difference between indoor units.				10		
Operation range		Cooling	°C	-10 to 46		
		Heating		-15 to 24		

NOTES:

- Specifications are based on the following conditions:
 - Power source of specifications: 230 V
 - Pipe length: 5 m, Height difference: 0 m [Outdoor unit—Indoor unit]
 - Cooling: Indoor temperature of 27.0 °CDB/19.0 °CWB, and outdoor temperature of 35 °CDB/24.0 °CWB.
 - Heating: Indoor temperature of 20.0 °CDB/15.0 °CWB, and outdoor temperature of 7.0 °CDB/6.0 °CWB.
- *1: Maximum operating current is the total current of the indoor unit and the outdoor unit.
- *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.
- For other combination, refer to the combination table.
- The protective function might work when using it outside the operation range.

Specifications for ErP Lot10

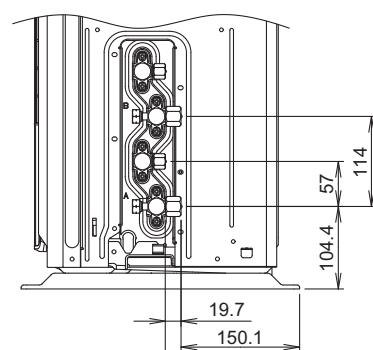
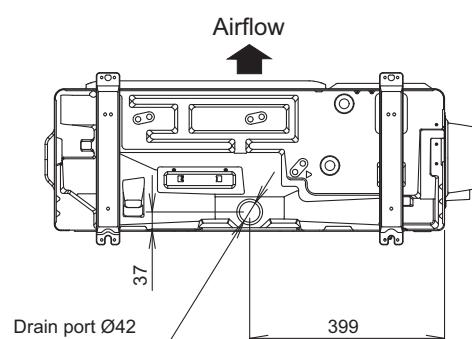
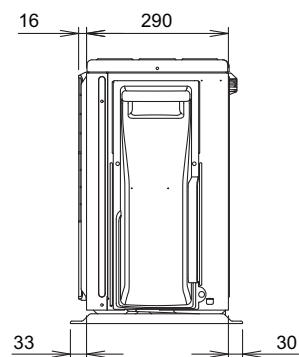
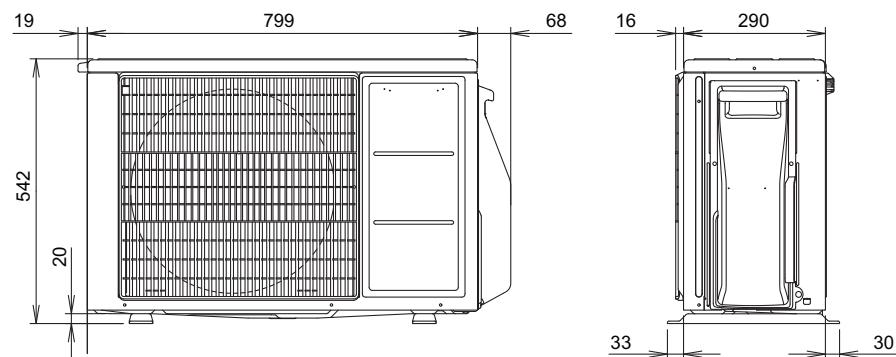
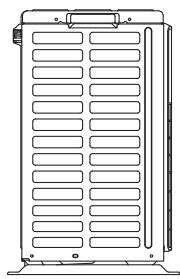
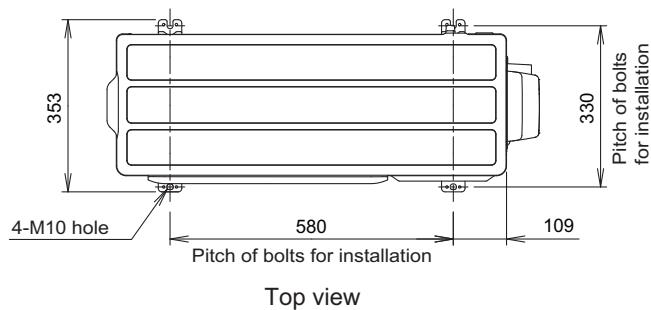
Model name		AOYG14KBTA2		AOYG18KBTA2	
Energy efficiency class		A+++		A++	
Pdesign		Cooling	4.0 (35 °C)	5.0 (35 °C)	
SEER	Heating (Average)		3.5 (-10 °C)	4.2 (-10 °C)	
	Cooling	kWh/kWh	8.70	8.60	
SCOP		Heating (Average)	4.70	4.70	
Annual energy consumption	QCE	kWh/a	209	263	
	QHE (Average)		1,296	1,434	
Sound power level		Cooling	60		
		Heating	62		
		HIGH			
		dB (A)			

2. Dimensions

2-1. Model: AOYG14KBTA2

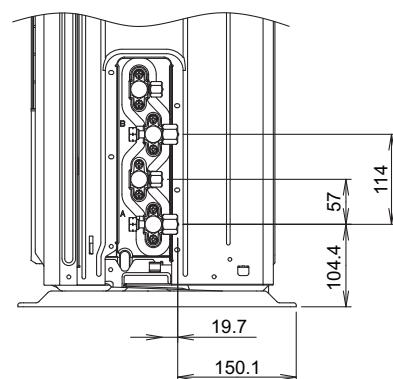
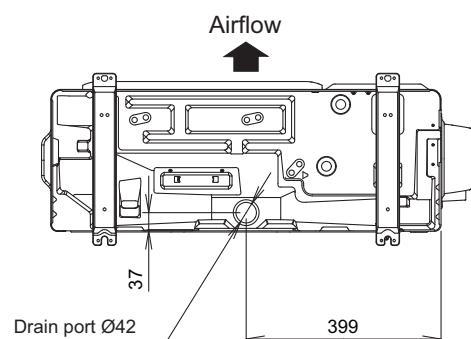
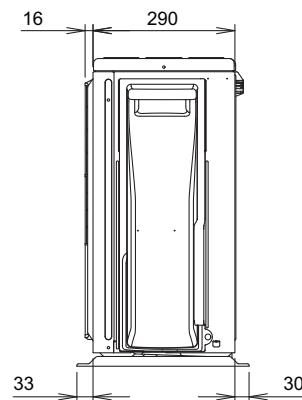
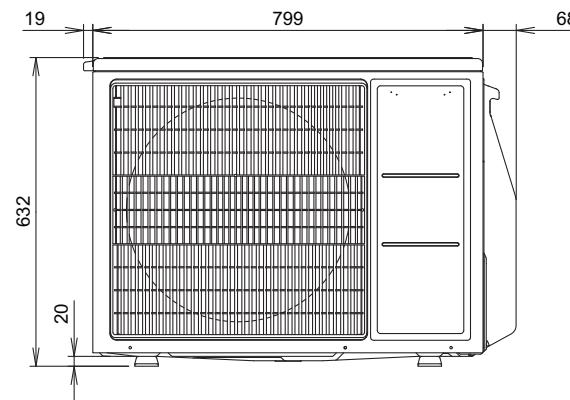
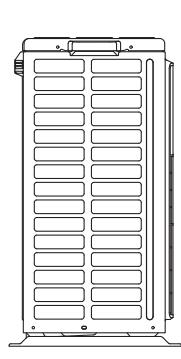
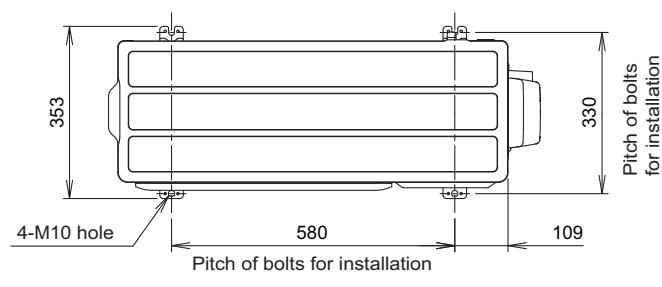
OUTDOOR UNIT
AOYG14-18KBTA2OUTDOOR UNIT
AOYG14-18KBTA2

Unit: mm



2-2. Model: AOYG18KBTA2

Unit: mm



3. Installation space

3-1. Models: AOYG14KBTA2 and AOYG18KBTA2

■ Space requirement

Provide sufficient installation space for product safety.

⚠ CAUTION

Keep the space shown in the installation examples.

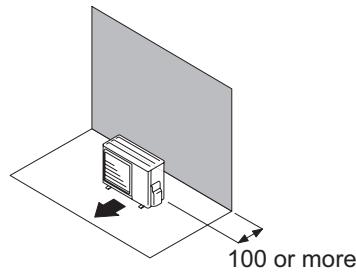
If the installation is not performed accordingly, it could cause a short circuit and result in a lack of operating performance.

● Single outdoor unit installation

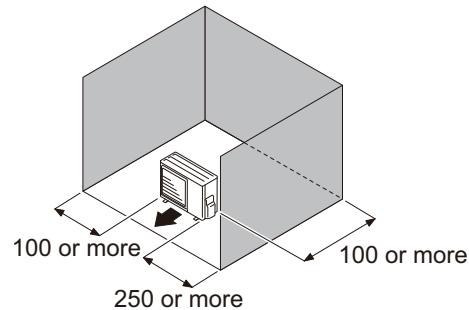
- When the upper space is open:

Unit: mm

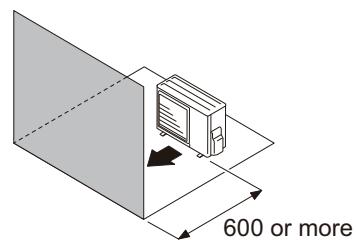
Obstacles at rear only



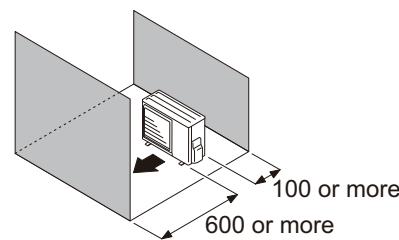
Obstacles at rear and sides



Obstacles at front



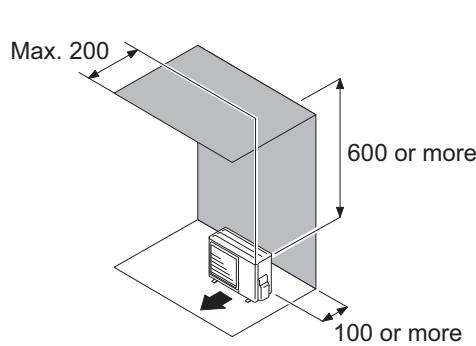
Obstacles at front and rear



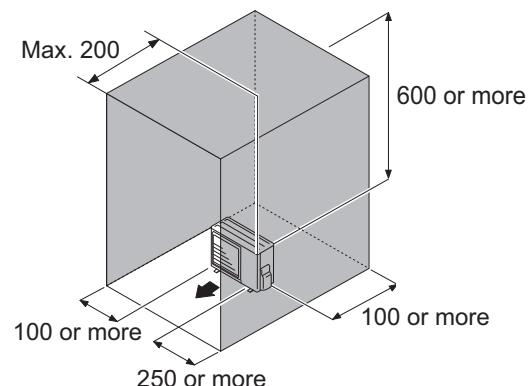
- When an obstruction in the upper space:

Unit: mm

Obstacles at rear and above



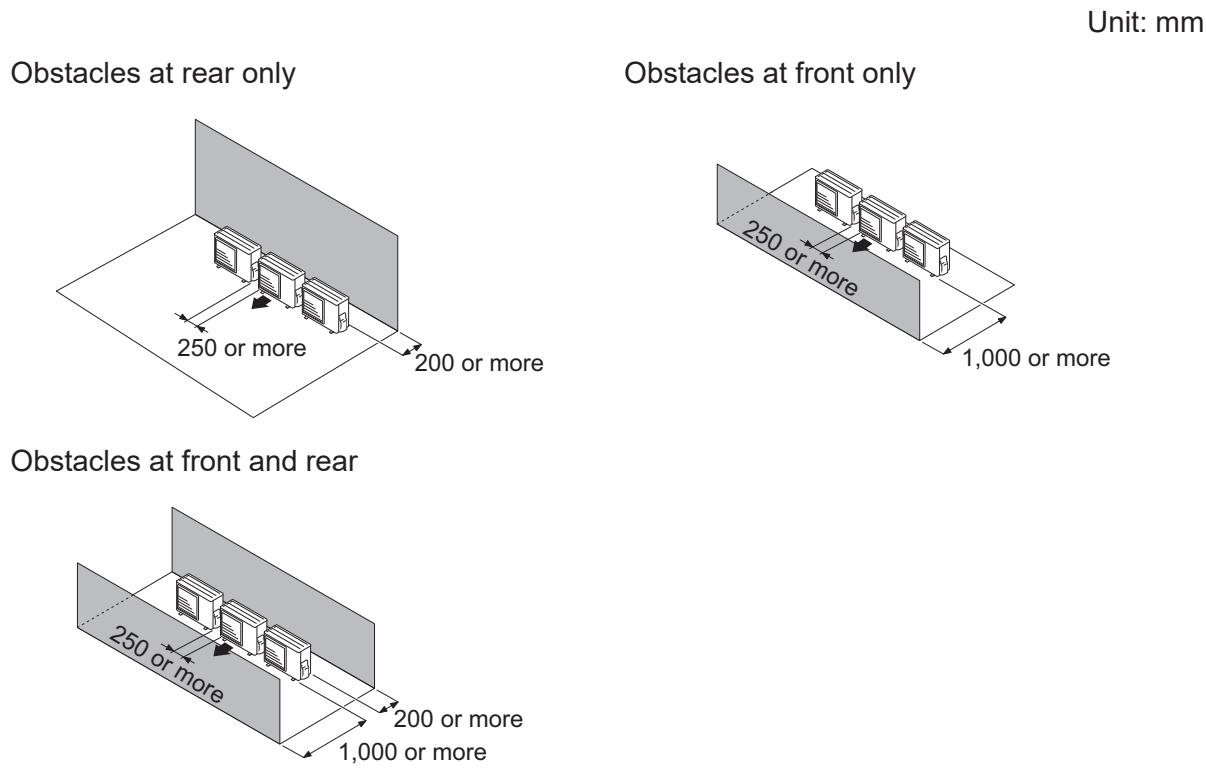
Obstacles at rear, sides, and above



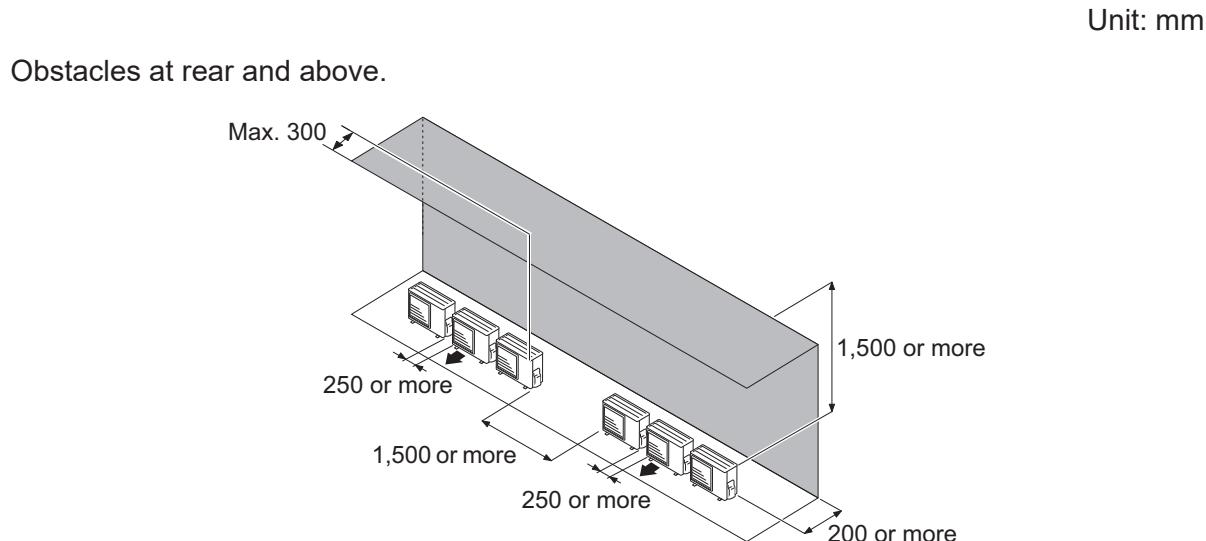
● Multiple outdoor unit installation

- Provide at least 250 mm of space between the outdoor units if multiple units are installed.
 - When routing the piping from the side of an outdoor unit, provide space for piping.
 - No more than 3 units must be installed side by side.
- When 4 units or more are arranged in a line, provide the space as shown in the following example **"When an obstruction in the upper space:"**.

- When the upper space is open:**



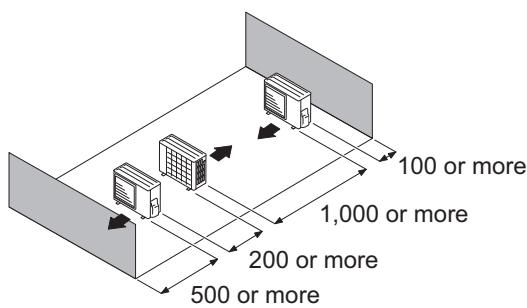
- When an obstruction in the upper space:**



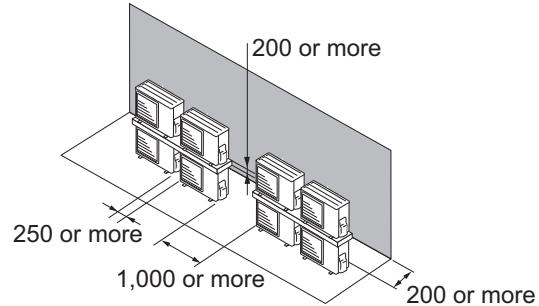
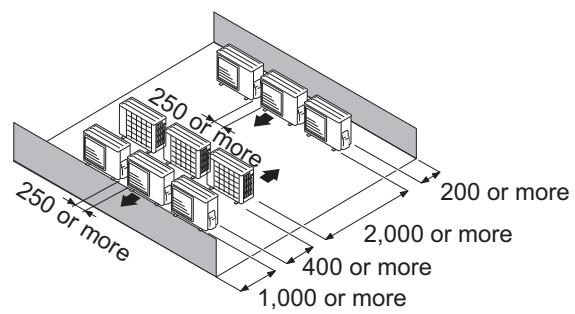
● Outdoor units installation in multi-row

Unit: mm

Single parallel unit arrangement



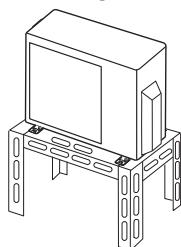
Multiple parallel unit arrangement

**NOTES:**

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

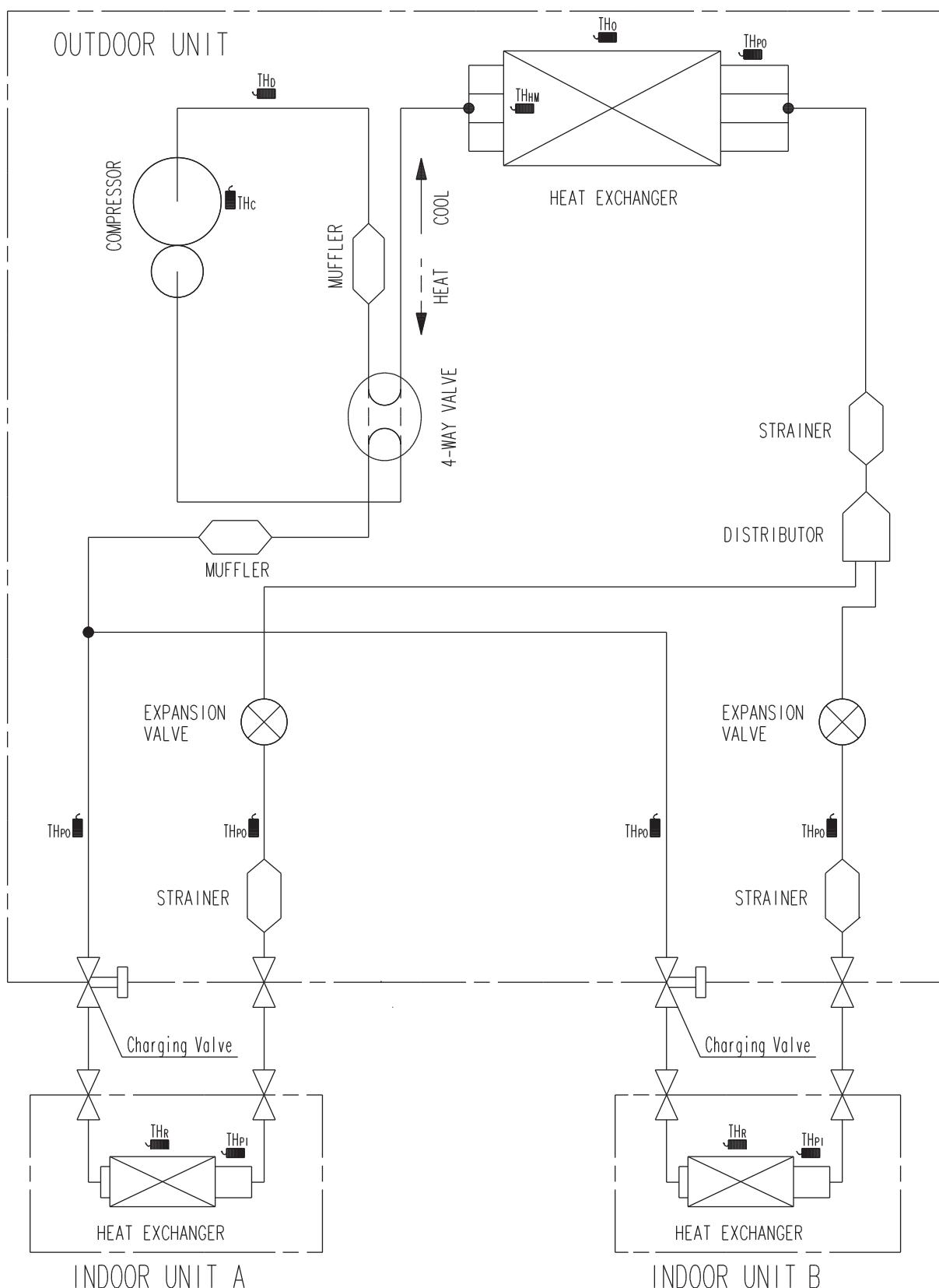
△ CAUTION

- 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

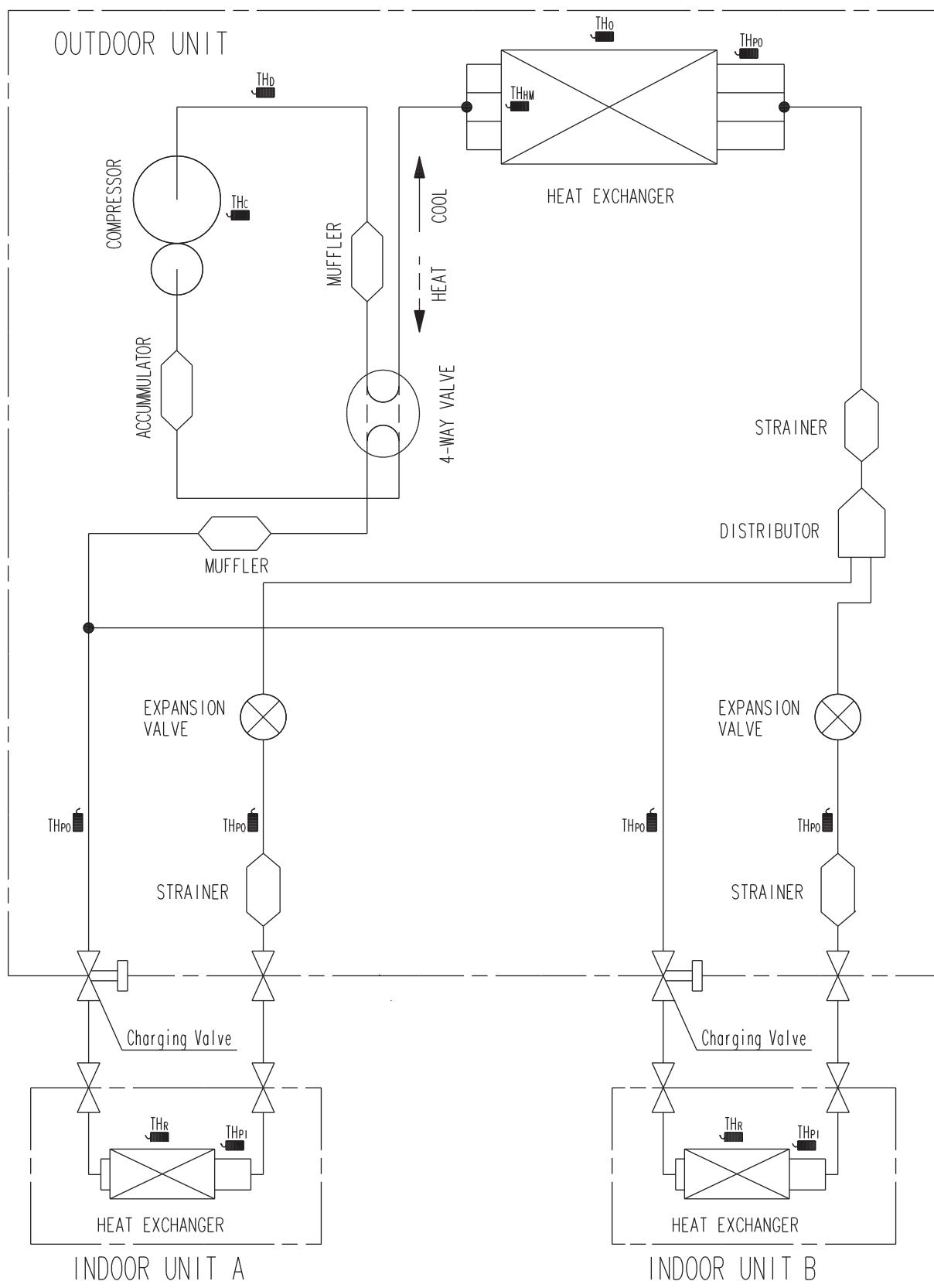
4-1. Model: AOYG14KBTA2

OUTDOOR UNIT
AOYG14-18KBTA2OUTDOOR UNIT
AOYG14-18KBTA2

- TH_D : THERMISTOR(DISCHARGE TEMP.)
- TH_{Hc} : THERMISTOR(OUTDOOR TEMP.)
- TH_{P0} : THERMISTOR(PIPE TEMP.)
- TH_{Hm} : THERMISTOR(HEAT EXCHANGER MIDDLE TEMP.)
- TH_{H0} : THERMISTOR(ROOM TEMP.)
- TH_{PI} : THERMISTOR(Pipe Temp.)

TH_R : THERMISTOR(ROOM TEMP.)
 TH_{PI} : THERMISTOR(Pipe Temp.)

4-2. Model: AOYG18KBTA2

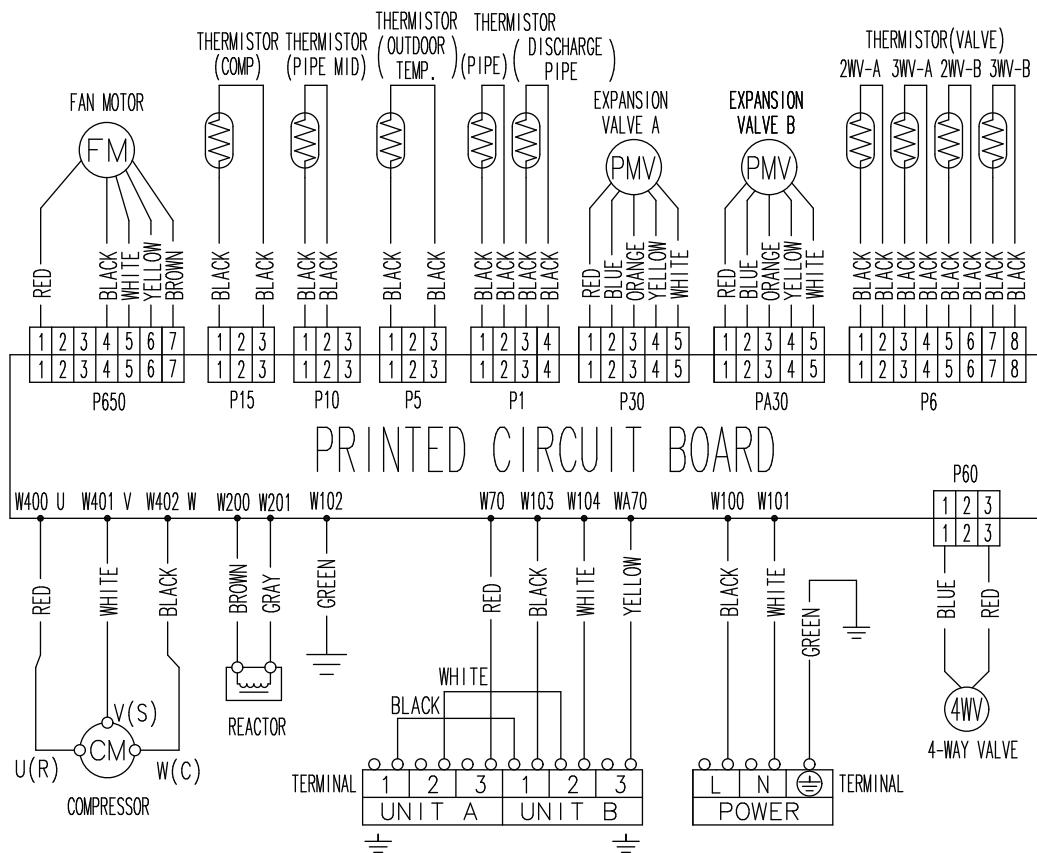
OUTDOOR UNIT
AOYG14-18KBTA2OUTDOOR UNIT
AOYG14-18KBTA2

TH_o : THERMISTOR(DISCHARGE TEMP.)
 TH_{po} : THERMISTOR(OUTDOOR TEMP.)
 TH_{hp} : THERMISTOR(PIPE TEMP.)
 TH_c : THERMISTOR(COMPRESSOR TEMP.)
 TH_{hr} : THERMISTOR(ROOM TEMP.)
 TH_{pi} : THERMISTOR(Pipe TEMP.)

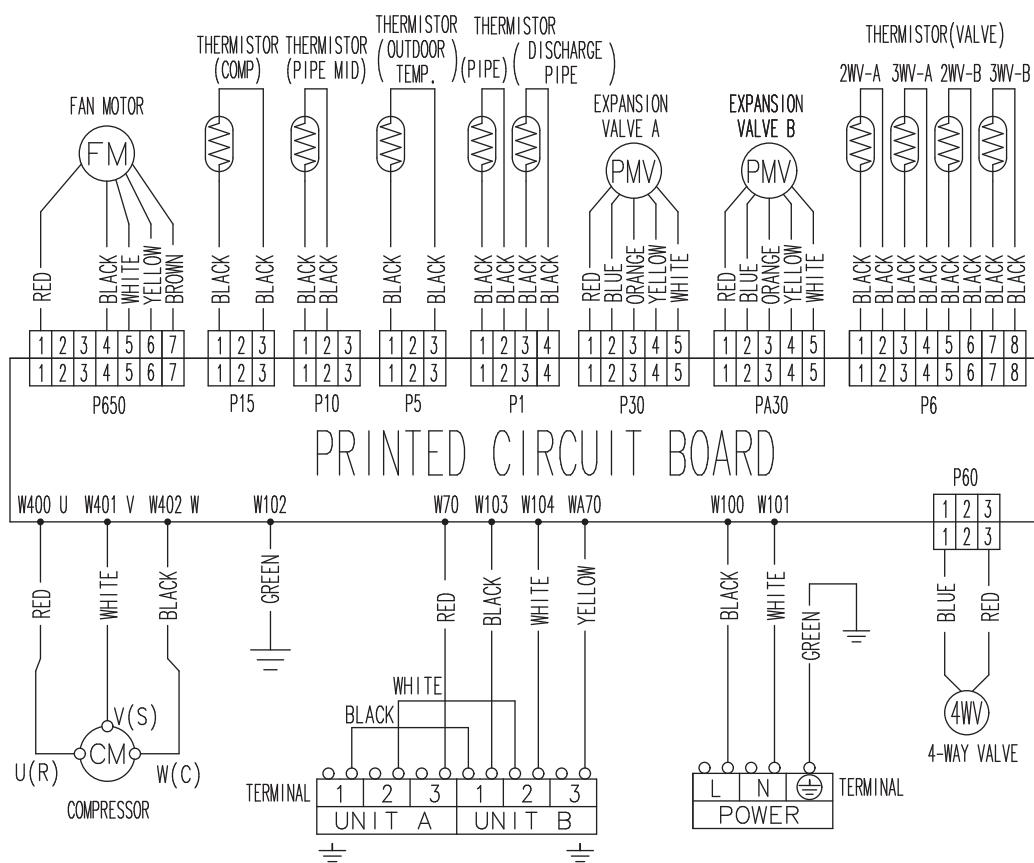
TH_{hr} : THERMISTOR(ROOM TEMP.)
 TH_{pi} : THERMISTOR(Pipe TEMP.)
 TH_c : THERMISTOR(COMPRESSOR TEMP.)

5. Wiring diagram

5-1. Model: AOYG14KBTA2



5-2. Model: AOYG18KBTA2



6. Capacity table

6-1. Combinations

■ Model: AOYG14KBTA2

● Cooling

Combination of indoor unit			Rated capacity for each indoor unit (kW)			Total capacity (kW)			Input power (kW)			EER (W/W)	Seasonal data			
Room		Total	Room			Min.	Rated	Max.	Min.	Rated	Max.		Pdesign (kW)	SEER (kWh/kWh)	Energy efficiency class	
1	2		1	2												
7	7	14	2.00	2.00	1.4	4.00	4.6	0.25	0.97	1.20	4.12	4.0	8.7	A+++		
7	9	16	1.75	2.25	1.4	4.00	4.6	0.25	0.97	1.20	4.12	4.0	8.7	A+++		
7	12	19	1.47	2.53	1.4	4.00	4.6	0.25	0.97	1.20	4.12	4.0	8.7	A+++		
9	9	18	2.00	2.00	1.4	4.00	4.6	0.25	0.97	1.20	4.12	4.0	8.7	A+++		
9	12	21	1.71	2.29	1.4	4.00	4.6	0.25	0.97	1.20	4.12	4.0	8.7	A+++		

NOTES:

- 7: 7,000 Btu/h, 9: 9,000 Btu/h, 12: 12,000 Btu/h
- The above is the value for connecting with KG models in wall mounted type.
- 2 or more indoor units should be connected.
- Cooling: Indoor temperature of 27 °CDB/19 °CWB and outdoor temperature of 35 °CDB.
- Pipe length: 5 m, Height difference: 0 m (Outdoor unit—Indoor unit)
- The total ability of connected indoor unit is from 14,000 Btu/h up to 21,000 Btu/h.

● Heating

Combination of indoor unit			Rated capacity for each indoor unit (kBtu/h)			Total capacity (kBtu/h)			Input power (kW)			COP (W/W)	Seasonal data			
Room		Total	Room			Min.	Rated	Max.	Min.	Rated	Max.		Pdesign (kW)	SCOP (kWh/kWh)	Energy efficiency class	
1	2		1	2												
7	7	14	2.20	2.20	1.1	4.40	5.5	0.25	0.95	1.65	4.63	3.5	4.7	A++		
7	9	16	1.92	2.48	1.1	4.40	5.5	0.25	0.95	1.65	4.63	3.5	4.7	A++		
7	12	19	1.62	2.78	1.1	4.40	5.5	0.25	0.95	1.65	4.63	3.5	4.7	A++		
9	9	18	2.20	2.20	1.1	4.40	5.5	0.25	0.95	1.65	4.63	3.5	4.7	A++		
9	12	21	1.89	2.51	1.1	4.40	5.5	0.25	0.95	1.65	4.63	3.5	4.7	A++		

NOTES:

- 7: 7,000 Btu/h, 9: 9,000 Btu/h, 12: 12,000 Btu/h
- The above is the value for connecting with KG models in wall mounted type.
- 2 or more indoor units should be connected.
- Heating: Indoor temperature of 20 °CDB, and outdoor temperature of 7 °CDB/6 °CWB.
- Pipe length: 5 m, Height difference: 0 m (Outdoor unit—Indoor unit)
- The total ability of connected indoor unit is from 14,000 Btu/h up to 21,000 Btu/h.

■ Model: AOYG18KBTA2

● Cooling

Combination of indoor unit			Rated capacity for each indoor unit (kW)		Total capacity (kW)			Input power (kW)			EER (W/W)	Seasonal data			
Room		Total	Room		Min.	Rated	Max.	Min.	Rated	Max.		Pdesign (kW)	SEER (kWh/kWh)	Energy efficiency class	
1	2		1	2											
7	7	14	2.00	2.00	1.7	4.00	5.0	0.25	0.92	1.23	4.35	4.0	8.8	A+++	
7	9	16	2.00	2.50	1.7	4.50	5.7	0.25	1.07	1.45	4.22	4.5	8.7	A+++	
7	12	19	1.84	3.16	1.7	5.00	5.8	0.25	1.24	1.55	4.03	5.0	8.6	A+++	
7	14	21	1.67	3.33	1.7	5.00	5.8	0.25	1.24	1.55	4.03	5.0	8.6	A+++	
9	9	18	2.50	2.50	1.7	5.00	5.8	0.25	1.24	1.55	4.03	5.0	8.6	A+++	
9	12	21	2.14	2.86	1.7	5.00	5.8	0.25	1.24	1.55	4.03	5.0	8.6	A+++	
9	14	23	1.96	3.04	1.7	5.00	5.8	0.25	1.24	1.55	4.03	5.0	8.6	A+++	
12	12	24	2.50	2.50	1.7	5.00	5.8	0.25	1.24	1.55	4.03	5.0	8.6	A+++	
12	14	26	2.31	2.69	1.7	5.00	5.8	0.25	1.24	1.55	4.03	5.0	8.6	A+++	

NOTES:

- 7: 7,000 Btu/h, 9: 9,000 Btu/h, 12: 12,000 Btu/h, 14: 14,000 Btu/h
- The above is the value for connecting with KG models in wall mounted type.
- 2 or more indoor units should be connected.
- Cooling: Indoor temperature of 27 °CDB/19 °CWB and outdoor temperature of 35 °CDB.
- Pipe length: 5 m, Height difference: 0 m (Outdoor unit—Indoor unit)
- The total ability of connected indoor units is from 14,000 Btu/h up to 26,000 Btu/h.

● Heating

Combination of indoor unit			Rated capacity for each indoor unit (kW)		Total capacity (kW)			Input power (kW)			COP (W/W)	Seasonal data			
Room		Total	Room		Min.	Rated	Max.	Min.	Rated	Max.		Pdesign (kW)	SEER (kWh/kWh)	Energy efficiency class	
1	2		1	2											
7	7	14	2.40	2.40	1.70	4.80	5.60	0.25	0.99	1.35	4.85	3.8	4.7	A++	
7	9	16	2.40	3.00	1.70	5.40	6.40	0.25	1.15	1.60	4.70	4.0	4.7	A++	
7	12	19	2.06	3.54	1.70	5.60	7.00	0.25	1.22	1.80	4.59	4.2	4.7	A++	
7	14	21	1.87	3.73	1.70	5.60	7.00	0.25	1.22	1.80	4.59	4.2	4.7	A++	
9	9	18	2.80	2.80	1.70	5.60	7.00	0.25	1.22	1.80	4.59	4.2	4.7	A++	
9	12	21	2.40	3.20	1.70	5.60	7.00	0.25	1.22	1.80	4.59	4.2	4.7	A++	
9	14	23	2.19	3.41	1.70	5.60	7.00	0.25	1.22	1.80	4.59	4.2	4.7	A++	
12	12	24	2.80	2.80	1.70	5.60	7.00	0.25	1.22	1.80	4.59	4.2	4.7	A++	
12	14	26	2.58	3.02	1.70	5.60	7.00	0.25	1.22	1.80	4.59	4.2	4.7	A++	

NOTES:

- 7: 7,000 Btu/h, 9: 9,000 Btu/h, 12: 12,000 Btu/h, 14: 14,000 Btu/h
- The above is the value for connecting with KG models in wall mounted type.
- 2 or more indoor units should be connected.
- Heating: Indoor temperature of 20 °CDB, and outdoor temperature of 7 °CDB/6 °CWB.
- Pipe length: 5 m, Height difference: 0 m (Outdoor unit—Indoor unit)
- The total ability of connected indoor units is from 14,000 Btu/h up to 26,000 Btu/h.

6-2. Cooling capacity

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

■ Model: AOYG14KBTA2

Indoor unit connect- ing capacity	Outdoor temperature	Indoor temperature											
		18.0 °CDB		21.0 °CDB		23.0 °CDB		27.0 °CDB		29.0 °CDB		32.0 °CDB	
		12.0 °CWB		15.0 °CWB		16.0 °CWB		19.0 °CWB		21.0 °CWB		23.0 °CWB	
kBtu/h	°CDB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
21	-10.0	3.60	0.63	4.10	0.64	4.30	0.64	4.60	0.65	4.90	0.66	5.10	0.66
	0.0	3.60	0.28	4.10	0.28	4.30	0.28	4.60	0.29	4.90	0.29	5.10	0.29
	5.0	3.60	0.45	4.10	0.46	4.30	0.46	4.60	0.47	4.90	0.47	5.10	0.47
	10.0	3.60	0.38	4.10	0.38	4.30	0.38	4.60	0.39	4.90	0.39	5.10	0.40
	15.0	3.60	0.50	4.10	0.51	4.30	0.51	4.60	0.52	4.90	0.52	5.10	0.53
	20.0	3.60	0.59	4.10	0.60	4.30	0.61	4.60	0.62	4.90	0.62	5.10	0.63
	25.0	3.60	0.76	4.10	0.78	4.30	0.78	4.60	0.79	4.90	0.80	5.10	0.81
	30.0	3.60	0.91	4.10	1.21	4.30	1.23	4.60	1.25	4.90	1.26	5.10	1.27
	40.0	3.10	1.00	3.50	1.02	3.70	1.03	4.00	1.04	4.30	1.05	4.40	1.06
	46.0	2.70	1.01	3.10	1.03	3.20	1.04	3.50	1.05	3.70	1.06	3.80	1.07
19	-10.0	3.60	0.63	4.10	0.64	4.30	0.64	4.60	0.65	4.90	0.66	5.10	0.66
	0.0	3.60	0.28	4.10	0.28	4.30	0.28	4.60	0.29	4.90	0.29	5.10	0.29
	5.0	3.60	0.45	4.10	0.46	4.30	0.46	4.60	0.47	4.90	0.47	5.10	0.47
	10.0	3.60	0.38	4.10	0.38	4.30	0.38	4.60	0.39	4.90	0.39	5.10	0.40
	15.0	3.60	0.50	4.10	0.51	4.30	0.51	4.60	0.52	4.90	0.52	5.10	0.53
	20.0	3.60	0.59	4.10	0.60	4.30	0.61	4.60	0.62	4.90	0.62	5.10	0.63
	25.0	3.60	0.76	4.10	0.78	4.30	0.78	4.60	0.79	4.90	0.80	5.10	0.81
	30.0	3.60	0.91	4.10	1.21	4.30	1.23	4.60	1.25	4.90	1.26	5.10	1.27
	40.0	3.10	1.00	3.50	1.02	3.70	1.03	4.00	1.04	4.30	1.05	4.40	1.06
	46.0	2.70	1.01	3.10	1.03	3.20	1.04	3.50	1.05	3.70	1.06	3.80	1.07
18	-10.0	3.60	0.63	4.10	0.64	4.30	0.64	4.60	0.65	4.90	0.66	5.10	0.66
	0.0	3.60	0.28	4.10	0.28	4.30	0.28	4.60	0.29	4.90	0.29	5.10	0.29
	5.0	3.60	0.45	4.10	0.46	4.30	0.46	4.60	0.47	4.90	0.47	5.10	0.47
	10.0	3.60	0.38	4.10	0.38	4.30	0.38	4.60	0.39	4.90	0.39	5.10	0.40
	15.0	3.60	0.50	4.10	0.51	4.30	0.51	4.60	0.52	4.90	0.52	5.10	0.53
	20.0	3.60	0.59	4.10	0.60	4.30	0.61	4.60	0.62	4.90	0.62	5.10	0.63
	25.0	3.60	0.76	4.10	0.78	4.30	0.78	4.60	0.79	4.90	0.80	5.10	0.81
	30.0	3.60	0.91	4.10	1.21	4.30	1.23	4.60	1.25	4.90	1.26	5.10	1.27
	40.0	3.10	1.00	3.50	1.02	3.70	1.03	4.00	1.04	4.30	1.05	4.40	1.06
	46.0	2.70	1.01	3.10	1.03	3.20	1.04	3.50	1.05	3.70	1.06	3.80	1.07
16	-10.0	3.60	0.63	4.10	0.64	4.30	0.64	4.60	0.65	4.90	0.66	5.10	0.66
	0.0	3.60	0.28	4.10	0.28	4.30	0.28	4.60	0.29	4.90	0.29	5.10	0.29
	5.0	3.60	0.45	4.10	0.46	4.30	0.46	4.60	0.47	4.90	0.47	5.10	0.47
	10.0	3.60	0.38	4.10	0.38	4.30	0.38	4.60	0.39	4.90	0.39	5.10	0.40
	15.0	3.60	0.50	4.10	0.51	4.30	0.51	4.60	0.52	4.90	0.52	5.10	0.53
	20.0	3.60	0.59	4.10	0.60	4.30	0.61	4.60	0.62	4.90	0.62	5.10	0.63
	25.0	3.60	0.76	4.10	0.78	4.30	0.78	4.60	0.79	4.90	0.80	5.10	0.81
	30.0	3.60	0.91	4.10	1.21	4.30	1.23	4.60	1.25	4.90	1.26	5.10	1.27
	40.0	3.10	1.00	3.50	1.02	3.70	1.03	4.00	1.04	4.30	1.05	4.40	1.06
	46.0	2.70	1.01	3.10	1.03	3.20	1.04	3.50	1.05	3.70	1.06	3.80	1.07
14	-10.0	3.60	0.63	4.10	0.64	4.30	0.64	4.60	0.65	4.90	0.66	5.10	0.66
	0.0	3.60	0.28	4.10	0.28	4.30	0.28	4.60	0.29	4.90	0.29	5.10	0.29
	5.0	3.60	0.45	4.10	0.46	4.30	0.46	4.60	0.47	4.90	0.47	5.10	0.47
	10.0	3.60	0.38	4.10	0.38	4.30	0.38	4.60	0.39	4.90	0.39	5.10	0.40
	15.0	3.60	0.50	4.10	0.51	4.30	0.51	4.60	0.52	4.90	0.52	5.10	0.53
	20.0	3.60	0.59	4.10	0.60	4.30	0.61	4.60	0.62	4.90	0.62	5.10	0.63
	25.0	3.60	0.76	4.10	0.78	4.30	0.78	4.60	0.79	4.90	0.80	5.10	0.81
	30.0	3.60	0.91	4.10	1.21	4.30	1.23	4.60	1.25	4.90	1.26	5.10	1.27
	40.0	3.10	1.00	3.50	1.02	3.70	1.03	4.00	1.04	4.30	1.05	4.40	1.06
	46.0	2.70	1.01	3.10	1.03	3.20	1.04	3.50	1.05	3.70	1.06	3.80	1.07

NOTES:

- TC: Total Capacity (kW), IP: Input Power (kW)
- Values mentioned in the table are based on the following conditions:
 - Power source of specifications: 230 V
 - Pipe length: 5 m, Height difference: 0 m (Outdoor unit—Indoor unit)
- 2 or more indoor units should be connected.
- The total ability of connected indoor unit is from 14,000 Btu/h up to 21,000 Btu/h.
- Input in the table are calculated based on the maximum indoor unit input combinations.

● Compact cassette type

Model: AUXG07KVLA

Outdoor temperature (°CDB)	Indoor temperature (°CDB / °CWB)											
	18.0 / 12.0		21.0 / 15.0		23.0 / 16.0		27.0 / 19.0		29.0 / 21.0		32.0 / 23.0	
TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	
-10.0	1.80	1.22	2.04	1.39	2.15	1.60	2.30	1.79	2.46	1.96	2.53	2.25
0.0	1.80	1.22	2.04	1.39	2.15	1.60	2.30	1.79	2.46	1.96	2.53	2.25
5.0	1.80	1.22	2.04	1.39	2.15	1.60	2.30	1.79	2.46	1.96	2.53	2.25
10.0	1.80	1.22	2.04	1.39	2.15	1.60	2.30	1.79	2.46	1.96	2.53	2.25
15.0	1.80	1.22	2.04	1.39	2.15	1.60	2.30	1.79	2.46	1.96	2.53	2.25
20.0	1.80	1.22	2.04	1.39	2.15	1.60	2.30	1.79	2.46	1.96	2.53	2.25
25.0	1.80	1.22	2.04	1.39	2.15	1.60	2.30	1.79	2.46	1.96	2.53	2.25
30.0	1.80	1.22	2.04	1.39	2.15	1.60	2.30	1.79	2.46	1.96	2.53	2.25
35.0	1.80	1.22	2.04	1.39	2.15	1.60	2.30	1.79	2.46	1.96	2.53	2.25
40.0	1.57	0.92	1.77	1.05	1.87	1.20	2.00	1.35	2.13	1.48	2.20	1.69
46.0	1.36	0.69	1.54	0.79	1.62	0.91	1.74	1.02	1.86	1.12	1.91	1.28

Model: AUXG09KVLA

Outdoor temperature (°CDB)	Indoor temperature (°CDB / °CWB)											
	18.0 / 12.0		21.0 / 15.0		23.0 / 16.0		27.0 / 19.0		29.0 / 21.0		32.0 / 23.0	
TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	
-10.0	2.03	1.35	2.29	1.54	2.42	1.78	2.59	1.99	2.77	2.18	2.85	2.50
0.0	2.03	1.35	2.29	1.54	2.42	1.78	2.59	1.99	2.77	2.18	2.85	2.50
5.0	2.03	1.35	2.29	1.54	2.42	1.78	2.59	1.99	2.77	2.18	2.85	2.50
10.0	2.03	1.35	2.29	1.54	2.42	1.78	2.59	1.99	2.77	2.18	2.85	2.50
15.0	2.03	1.35	2.29	1.54	2.42	1.78	2.59	1.99	2.77	2.18	2.85	2.50
20.0	2.03	1.35	2.29	1.54	2.42	1.78	2.59	1.99	2.77	2.18	2.85	2.50
25.0	2.03	1.35	2.29	1.54	2.42	1.78	2.59	1.99	2.77	2.18	2.85	2.50
30.0	2.03	1.35	2.29	1.54	2.42	1.78	2.59	1.99	2.77	2.18	2.85	2.50
35.0	2.03	1.35	2.29	1.54	2.42	1.78	2.59	1.99	2.77	2.18	2.85	2.50
40.0	1.76	1.02	1.99	1.16	2.10	1.34	2.25	1.50	2.40	1.64	2.48	1.88
46.0	1.53	0.77	1.73	0.88	1.83	1.01	1.96	1.14	2.09	1.24	2.16	1.43

Model: AUXG12KVLA

Outdoor temperature (°CDB)	Indoor temperature (°CDB / °CWB)											
	18.0 / 12.0		21.0 / 15.0		23.0 / 16.0		27.0 / 19.0		29.0 / 21.0		32.0 / 23.0	
TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	
-10.0	2.28	1.50	2.58	1.71	2.72	1.97	2.91	2.21	3.11	2.42	3.21	2.77
0.0	2.28	1.50	2.58	1.71	2.72	1.97	2.91	2.21	3.11	2.42	3.21	2.77
5.0	2.28	1.50	2.58	1.71	2.72	1.97	2.91	2.21	3.11	2.42	3.21	2.77
10.0	2.28	1.50	2.58	1.71	2.72	1.97	2.91	2.21	3.11	2.42	3.21	2.77
15.0	2.28	1.50	2.58	1.71	2.72	1.97	2.91	2.21	3.11	2.42	3.21	2.77
20.0	2.28	1.50	2.58	1.71	2.72	1.97	2.91	2.21	3.11	2.42	3.21	2.77
25.0	2.28	1.50	2.58	1.71	2.72	1.97	2.91	2.21	3.11	2.42	3.21	2.77
30.0	2.28	1.50	2.58	1.71	2.72	1.97	2.91	2.21	3.11	2.42	3.21	2.77
35.0	2.28	1.50	2.58	1.71	2.72	1.97	2.91	2.21	3.11	2.42	3.21	2.77
40.0	1.98	1.13	2.24	1.29	2.36	1.48	2.53	1.67	2.70	1.82	2.78	2.09
46.0	1.72	0.86	1.95	0.97	2.05	1.12	2.20	1.26	2.35	1.38	2.42	1.58

NOTES:

- TC: Total Capacity (kW), SHC: Sensible Heat Capacity (kW)
- Values mentioned in the table are based on the following conditions:
 - Pipe length: 5 m, Height difference: 0 m (Outdoor unit—Indoor unit)

● Mini duct type

Model: ARXG07KSLAP

Outdoor temperature (°CDB)	Indoor temperature (°CDB / °CWB)											
	18.0 / 12.0		21.0 / 15.0		23.0 / 16.0		27.0 / 19.0		29.0 / 21.0		32.0 / 23.0	
TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	
-10.0	1.80	1.25	2.04	1.42	2.15	1.64	2.30	1.84	2.46	2.01	2.53	2.31
0.0	1.80	1.25	2.04	1.42	2.15	1.64	2.30	1.84	2.46	2.01	2.53	2.31
5.0	1.80	1.25	2.04	1.42	2.15	1.64	2.30	1.84	2.46	2.01	2.53	2.31
10.0	1.80	1.25	2.04	1.42	2.15	1.64	2.30	1.84	2.46	2.01	2.53	2.31
15.0	1.80	1.25	2.04	1.42	2.15	1.64	2.30	1.84	2.46	2.01	2.53	2.31
20.0	1.80	1.25	2.04	1.42	2.15	1.64	2.30	1.84	2.46	2.01	2.53	2.31
25.0	1.80	1.25	2.04	1.42	2.15	1.64	2.30	1.84	2.46	2.01	2.53	2.31
30.0	1.80	1.25	2.04	1.42	2.15	1.64	2.30	1.84	2.46	2.01	2.53	2.31
35.0	1.80	1.25	2.04	1.42	2.15	1.64	2.30	1.84	2.46	2.01	2.53	2.31
40.0	1.57	0.94	1.77	1.07	1.87	1.23	2.00	1.39	2.13	1.52	2.20	1.74
46.0	1.36	0.71	1.54	0.81	1.62	0.93	1.74	1.05	1.86	1.15	1.91	1.31

Model: ARXG09KSLAP

Outdoor temperature (°CDB)	Indoor temperature (°CDB / °CWB)											
	18.0 / 12.0		21.0 / 15.0		23.0 / 16.0		27.0 / 19.0		29.0 / 21.0		32.0 / 23.0	
TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	
-10.0	2.03	1.30	2.29	1.48	2.42	1.71	2.59	1.92	2.77	2.10	2.85	2.40
0.0	2.03	1.30	2.29	1.48	2.42	1.71	2.59	1.92	2.77	2.10	2.85	2.40
5.0	2.03	1.30	2.29	1.48	2.42	1.71	2.59	1.92	2.77	2.10	2.85	2.40
10.0	2.03	1.30	2.29	1.48	2.42	1.71	2.59	1.92	2.77	2.10	2.85	2.40
15.0	2.03	1.30	2.29	1.48	2.42	1.71	2.59	1.92	2.77	2.10	2.85	2.40
20.0	2.03	1.30	2.29	1.48	2.42	1.71	2.59	1.92	2.77	2.10	2.85	2.40
25.0	2.03	1.30	2.29	1.48	2.42	1.71	2.59	1.92	2.77	2.10	2.85	2.40
30.0	2.03	1.30	2.29	1.48	2.42	1.71	2.59	1.92	2.77	2.10	2.85	2.40
35.0	2.03	1.30	2.29	1.48	2.42	1.71	2.59	1.92	2.77	2.10	2.85	2.40
40.0	1.76	0.98	1.99	1.12	2.10	1.29	2.25	1.44	2.40	1.58	2.48	1.81
46.0	1.53	0.74	1.73	0.84	1.83	0.97	1.96	1.09	2.09	1.20	2.16	1.37

Model: ARXG12KSLAP

Outdoor temperature (°CDB)	Indoor temperature (°CDB / °CWB)											
	18.0 / 12.0		21.0 / 15.0		23.0 / 16.0		27.0 / 19.0		29.0 / 21.0		32.0 / 23.0	
TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	
-10.0	2.28	1.46	2.58	1.66	2.72	1.92	2.91	2.15	3.11	2.36	3.21	2.70
0.0	2.28	1.46	2.58	1.66	2.72	1.92	2.91	2.15	3.11	2.36	3.21	2.70
5.0	2.28	1.46	2.58	1.66	2.72	1.92	2.91	2.15	3.11	2.36	3.21	2.70
10.0	2.28	1.46	2.58	1.66	2.72	1.92	2.91	2.15	3.11	2.36	3.21	2.70
15.0	2.28	1.46	2.58	1.66	2.72	1.92	2.91	2.15	3.11	2.36	3.21	2.70
20.0	2.28	1.46	2.58	1.66	2.72	1.92	2.91	2.15	3.11	2.36	3.21	2.70
25.0	2.28	1.46	2.58	1.66	2.72	1.92	2.91	2.15	3.11	2.36	3.21	2.70
30.0	2.28	1.46	2.58	1.66	2.72	1.92	2.91	2.15	3.11	2.36	3.21	2.70
35.0	2.28	1.46	2.58	1.66	2.72	1.92	2.91	2.15	3.11	2.36	3.21	2.70
40.0	1.98	1.10	2.24	1.25	2.36	1.44	2.53	1.62	2.70	1.78	2.78	2.03
46.0	1.72	0.83	1.95	0.95	2.05	1.09	2.20	1.23	2.35	1.34	2.42	1.54

NOTES:

- TC: Total Capacity (kW), SHC: Sensible Heat Capacity (kW)
- Values mentioned in the table are based on the following conditions:
 - Pipe length: 5 m, Height difference: 0 m [Outdoor unit—Indoor unit]

● Slim duct type

Model: ARXG07KLLAP

Outdoor temperature (°CDB)	Indoor temperature (°CDB / °CWB)											
	18.0 / 12.0		21.0 / 15.0		23.0 / 16.0		27.0 / 19.0		29.0 / 21.0		32.0 / 23.0	
TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	
-10.0	1.80	1.25	2.04	1.42	2.15	1.64	2.30	1.84	2.46	2.01	2.53	2.31
0.0	1.80	1.25	2.04	1.42	2.15	1.64	2.30	1.84	2.46	2.01	2.53	2.31
5.0	1.80	1.25	2.04	1.42	2.15	1.64	2.30	1.84	2.46	2.01	2.53	2.31
10.0	1.80	1.25	2.04	1.42	2.15	1.64	2.30	1.84	2.46	2.01	2.53	2.31
15.0	1.80	1.25	2.04	1.42	2.15	1.64	2.30	1.84	2.46	2.01	2.53	2.31
20.0	1.80	1.25	2.04	1.42	2.15	1.64	2.30	1.84	2.46	2.01	2.53	2.31
25.0	1.80	1.25	2.04	1.42	2.15	1.64	2.30	1.84	2.46	2.01	2.53	2.31
30.0	1.80	1.25	2.04	1.42	2.15	1.64	2.30	1.84	2.46	2.01	2.53	2.31
35.0	1.80	1.25	2.04	1.42	2.15	1.64	2.30	1.84	2.46	2.01	2.53	2.31
40.0	1.57	0.94	1.77	1.07	1.87	1.23	2.00	1.39	2.13	1.52	2.20	1.74
46.0	1.36	0.71	1.54	0.81	1.62	0.93	1.74	1.05	1.86	1.15	1.91	1.31

Model: ARXG09KLLAP

Outdoor temperature (°CDB)	Indoor temperature (°CDB / °CWB)											
	18.0 / 12.0		21.0 / 15.0		23.0 / 16.0		27.0 / 19.0		29.0 / 21.0		32.0 / 23.0	
TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	
-10.0	2.03	1.35	2.29	1.54	2.42	1.78	2.59	1.99	2.77	2.18	2.85	2.50
0.0	2.03	1.35	2.29	1.54	2.42	1.78	2.59	1.99	2.77	2.18	2.85	2.50
5.0	2.03	1.35	2.29	1.54	2.42	1.78	2.59	1.99	2.77	2.18	2.85	2.50
10.0	2.03	1.35	2.29	1.54	2.42	1.78	2.59	1.99	2.77	2.18	2.85	2.50
15.0	2.03	1.35	2.29	1.54	2.42	1.78	2.59	1.99	2.77	2.18	2.85	2.50
20.0	2.03	1.35	2.29	1.54	2.42	1.78	2.59	1.99	2.77	2.18	2.85	2.50
25.0	2.03	1.35	2.29	1.54	2.42	1.78	2.59	1.99	2.77	2.18	2.85	2.50
30.0	2.03	1.35	2.29	1.54	2.42	1.78	2.59	1.99	2.77	2.18	2.85	2.50
35.0	2.03	1.35	2.29	1.54	2.42	1.78	2.59	1.99	2.77	2.18	2.85	2.50
40.0	1.76	1.02	1.99	1.16	2.10	1.34	2.25	1.50	2.40	1.64	2.48	1.88
46.0	1.53	0.77	1.73	0.88	1.83	1.01	1.96	1.14	2.09	1.24	2.16	1.43

Model: ARXG12KLLAP

Outdoor temperature (°CDB)	Indoor temperature (°CDB / °CWB)											
	18.0 / 12.0		21.0 / 15.0		23.0 / 16.0		27.0 / 19.0		29.0 / 21.0		32.0 / 23.0	
TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	
-10.0	2.28	1.54	2.58	1.75	2.72	2.02	2.91	2.27	3.11	2.48	3.21	2.84
0.0	2.28	1.54	2.58	1.75	2.72	2.02	2.91	2.27	3.11	2.48	3.21	2.84
5.0	2.28	1.54	2.58	1.75	2.72	2.02	2.91	2.27	3.11	2.48	3.21	2.84
10.0	2.28	1.54	2.58	1.75	2.72	2.02	2.91	2.27	3.11	2.48	3.21	2.84
15.0	2.28	1.54	2.58	1.75	2.72	2.02	2.91	2.27	3.11	2.48	3.21	2.84
20.0	2.28	1.54	2.58	1.75	2.72	2.02	2.91	2.27	3.11	2.48	3.21	2.84
25.0	2.28	1.54	2.58	1.75	2.72	2.02	2.91	2.27	3.11	2.48	3.21	2.84
30.0	2.28	1.54	2.58	1.75	2.72	2.02	2.91	2.27	3.11	2.48	3.21	2.84
35.0	2.28	1.54	2.58	1.75	2.72	2.02	2.91	2.27	3.11	2.48	3.21	2.84
40.0	1.98	1.16	2.24	1.32	2.36	1.52	2.53	1.71	2.70	1.87	2.78	2.14
46.0	1.72	0.88	1.95	1.00	2.05	1.15	2.20	1.29	2.35	1.42	2.42	1.62

NOTES:

- TC: Total Capacity (kW), SHC: Sensible Heat Capacity (kW)
- Values mentioned in the table are based on the following conditions:
 - Pipe length: 5 m, Height difference: 0 m (Outdoor unit—Indoor unit)

● Wall mounted type

Model: ASYG07KGTB

Outdoor temperature (�b0;CDB)	Indoor temperature (�b0;CDB / �b0;CWB)</th><th data-kind="ghost"></th><th data-kind="ghost"></th></tr> <tr> <th data-kind="ghost"></th><th data-cs="2" data-kind="parent">18.0 / 12.0</th><th data-kind="ghost"></th><th data-cs="2" data-kind="parent">21.0 / 15.0</th><th data-kind="ghost"></th><th data-cs="2" data-kind="parent">23.0 / 16.0</th><th data-kind="ghost"></th><th data-cs="2" data-kind="parent">27.0 / 19.0</th><th data-kind="ghost"></th><th data-cs="2" data-kind="parent">29.0 / 21.0</th><th data-kind="ghost"></th><th data-cs="2" data-kind="parent">32.0 / 23.0</th><th data-kind="ghost"></th></tr> <tr> <th>TC</th><th>SHC</th><th>TC</th><th>SHC</th><th>TC</th><th>SHC</th><th>TC</th><th>SHC</th><th>TC</th><th>SHC</th><th>TC</th><th>SHC</th></tr> </thead> <tbody> <tr><td>-10.0</td><td>1.80</td><td>1.01</td><td>2.04</td><td>1.16</td><td>2.15</td><td>1.33</td><td>2.30</td><td>1.50</td><td>2.46</td><td>1.64</td><td>2.53</td><td>1.87</td></tr> 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<tr><td>40.0</td><td>1.98</td><td>0.97</td><td>2.24</td><td>1.10</td><td>2.36</td><td>1.27</td><td>2.53</td><td>1.43</td><td>2.70</td><td>1.56</td><td>2.78</td><td>1.79</td></tr> <tr><td>46.0</td><td>1.72</td><td>0.73</td><td>1.95</td><td>0.83</td><td>2.05</td><td>0.96</td><td>2.20</td><td>1.08</td><td>2.35</td><td>1.18</td><td>2.42</td><td>1.35</td></tr> </tbody> </table> </div> <div>OUTDOOR UNIT AOYG14-18KBTA2</div> <div>OUTDOOR UNIT AOYG14-18KBTA2</div> <div>6-2. Cooling capacity</div> <div>- 227 -</div> <div>6. Capacity table</div>
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Models: ASYG07KMTB and ASYG07KMCC

Outdoor temperature (°CDB)	Indoor temperature (°CDB / °CWB)											
	18.0 / 12.0		21.0 / 15.0		23.0 / 16.0		27.0 / 19.0		29.0 / 21.0		32.0 / 23.0	
TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	
-10.0	1.80	1.01	2.04	1.16	2.15	1.33	2.30	1.50	2.46	1.64	2.53	1.87
0.0	1.80	1.01	2.04	1.16	2.15	1.33	2.30	1.50	2.46	1.64	2.53	1.87
5.0	1.80	1.01	2.04	1.16	2.15	1.33	2.30	1.50	2.46	1.64	2.53	1.87
10.0	1.80	1.01	2.04	1.16	2.15	1.33	2.30	1.50	2.46	1.64	2.53	1.87
15.0	1.80	1.01	2.04	1.16	2.15	1.33	2.30	1.50	2.46	1.64	2.53	1.87
20.0	1.80	1.01	2.04	1.16	2.15	1.33	2.30	1.50	2.46	1.64	2.53	1.87
25.0	1.80	1.01	2.04	1.16	2.15	1.33	2.30	1.50	2.46	1.64	2.53	1.87
30.0	1.80	1.01	2.04	1.16	2.15	1.33	2.30	1.50	2.46	1.64	2.53	1.87
35.0	1.80	1.01	2.04	1.16	2.15	1.33	2.30	1.50	2.46	1.64	2.53	1.87
40.0	1.57	0.76	1.77	0.87	1.87	1.00	2.00	1.13	2.13	1.23	2.20	1.41
46.0	1.36	0.58	1.54	0.66	1.62	0.76	1.74	0.85	1.86	0.93	1.91	1.07

Models: ASYG09KMTB and ASYG09KMCC

Outdoor temperature (°CDB)	Indoor temperature (°CDB / °CWB)											
	18.0 / 12.0		21.0 / 15.0		23.0 / 16.0		27.0 / 19.0		29.0 / 21.0		32.0 / 23.0	
TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	
-10.0	2.03	1.14	2.29	1.30	2.42	1.50	2.59	1.68	2.77	1.84	2.85	2.11
0.0	2.03	1.14	2.29	1.30	2.42	1.50	2.59	1.68	2.77	1.84	2.85	2.11
5.0	2.03	1.14	2.29	1.30	2.42	1.50	2.59	1.68	2.77	1.84	2.85	2.11
10.0	2.03	1.14	2.29	1.30	2.42	1.50	2.59	1.68	2.77	1.84	2.85	2.11
15.0	2.03	1.14	2.29	1.30	2.42	1.50	2.59	1.68	2.77	1.84	2.85	2.11
20.0	2.03	1.14	2.29	1.30	2.42	1.50	2.59	1.68	2.77	1.84	2.85	2.11
25.0	2.03	1.14	2.29	1.30	2.42	1.50	2.59	1.68	2.77	1.84	2.85	2.11
30.0	2.03	1.14	2.29	1.30	2.42	1.50	2.59	1.68	2.77	1.84	2.85	2.11
35.0	2.03	1.14	2.29	1.30	2.42	1.50	2.59	1.68	2.77	1.84	2.85	2.11
40.0	1.76	0.86	1.99	0.98	2.10	1.13	2.25	1.27	2.40	1.39	2.48	1.59
46.0	1.53	0.65	1.73	0.74	1.83	0.85	1.96	0.96	2.09	1.05	2.16	1.20

Models: ASYG12KMTB and ASYG12KMCC

Outdoor temperature (°CDB)	Indoor temperature (°CDB / °CWB)											
	18.0 / 12.0		21.0 / 15.0		23.0 / 16.0		27.0 / 19.0		29.0 / 21.0		32.0 / 23.0	
TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	
-10.0	2.28	1.28	2.58	1.46	2.72	1.68	2.91	1.89	3.11	2.07	3.21	2.37
0.0	2.28	1.28	2.58	1.46	2.72	1.68	2.91	1.89	3.11	2.07	3.21	2.37
5.0	2.28	1.28	2.58	1.46	2.72	1.68	2.91	1.89	3.11	2.07	3.21	2.37
10.0	2.28	1.28	2.58	1.46	2.72	1.68	2.91	1.89	3.11	2.07	3.21	2.37
15.0	2.28	1.28	2.58	1.46	2.72	1.68	2.91	1.89	3.11	2.07	3.21	2.37
20.0	2.28	1.28	2.58	1.46	2.72	1.68	2.91	1.89	3.11	2.07	3.21	2.37
25.0	2.28	1.28	2.58	1.46	2.72	1.68	2.91	1.89	3.11	2.07	3.21	2.37
30.0	2.28	1.28	2.58	1.46	2.72	1.68	2.91	1.89	3.11	2.07	3.21	2.37
35.0	2.28	1.28	2.58	1.46	2.72	1.68	2.91	1.89	3.11	2.07	3.21	2.37
40.0	1.98	0.97	2.24	1.10	2.36	1.27	2.53	1.43	2.70	1.56	2.78	1.79
46.0	1.72	0.73	1.95	0.83	2.05	0.96	2.20	1.08	2.35	1.18	2.42	1.35

Model: ASYG07KETA, ASYG07KETA-B

Outdoor temperature (°CDB)	Indoor temperature (°CDB / °CWB)											
	18.0 / 12.0		21.0 / 15.0		23.0 / 16.0		27.0 / 19.0		29.0 / 21.0		32.0 / 23.0	
TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	
-10.0	1.80	1.01	2.04	1.16	2.15	1.33	2.30	1.50	2.46	1.64	2.53	1.87
0.0	1.80	1.01	2.04	1.16	2.15	1.33	2.30	1.50	2.46	1.64	2.53	1.87
5.0	1.80	1.01	2.04	1.16	2.15	1.33	2.30	1.50	2.46	1.64	2.53	1.87
10.0	1.80	1.01	2.04	1.16	2.15	1.33	2.30	1.50	2.46	1.64	2.53	1.87
15.0	1.80	1.01	2.04	1.16	2.15	1.33	2.30	1.50	2.46	1.64	2.53	1.87
20.0	1.80	1.01	2.04	1.16	2.15	1.33	2.30	1.50	2.46	1.64	2.53	1.87
25.0	1.80	1.01	2.04	1.16	2.15	1.33	2.30	1.50	2.46	1.64	2.53	1.87
30.0	1.80	1.01	2.04	1.16	2.15	1.33	2.30	1.50	2.46	1.64	2.53	1.87
35.0	1.80	1.01	2.04	1.16	2.15	1.33	2.30	1.50	2.46	1.64	2.53	1.87
40.0	1.57	0.76	1.77	0.87	1.87	1.00	2.00	1.13	2.13	1.23	2.20	1.41
46.0	1.36	0.58	1.54	0.66	1.62	0.76	1.74	0.85	1.86	0.93	1.91	1.07

Model: ASYG09KETA, ASYG09KETA-B

Outdoor temperature (°CDB)	Indoor temperature (°CDB / °CWB)											
	18.0 / 12.0		21.0 / 15.0		23.0 / 16.0		27.0 / 19.0		29.0 / 21.0		32.0 / 23.0	
TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	
-10.0	2.03	1.14	2.29	1.30	2.42	1.50	2.59	1.68	2.77	1.84	2.85	2.11
0.0	2.03	1.14	2.29	1.30	2.42	1.50	2.59	1.68	2.77	1.84	2.85	2.11
5.0	2.03	1.14	2.29	1.30	2.42	1.50	2.59	1.68	2.77	1.84	2.85	2.11
10.0	2.03	1.14	2.29	1.30	2.42	1.50	2.59	1.68	2.77	1.84	2.85	2.11
15.0	2.03	1.14	2.29	1.30	2.42	1.50	2.59	1.68	2.77	1.84	2.85	2.11
20.0	2.03	1.14	2.29	1.30	2.42	1.50	2.59	1.68	2.77	1.84	2.85	2.11
25.0	2.03	1.14	2.29	1.30	2.42	1.50	2.59	1.68	2.77	1.84	2.85	2.11
30.0	2.03	1.14	2.29	1.30	2.42	1.50	2.59	1.68	2.77	1.84	2.85	2.11
35.0	2.03	1.14	2.29	1.30	2.42	1.50	2.59	1.68	2.77	1.84	2.85	2.11
40.0	1.76	0.86	1.99	0.98	2.10	1.13	2.25	1.27	2.40	1.39	2.48	1.59
46.0	1.53	0.65	1.73	0.74	1.83	0.85	1.96	0.96	2.09	1.05	2.16	1.20

Model: ASYG12KETA, ASYG12KETA-B

Outdoor temperature (°CDB)	Indoor temperature (°CDB / °CWB)											
	18.0 / 12.0		21.0 / 15.0		23.0 / 16.0		27.0 / 19.0		29.0 / 21.0		32.0 / 23.0	
TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	
-10.0	2.28	1.28	2.58	1.46	2.72	1.68	2.91	1.89	3.11	2.07	3.21	2.37
0.0	2.28	1.28	2.58	1.46	2.72	1.68	2.91	1.89	3.11	2.07	3.21	2.37
5.0	2.28	1.28	2.58	1.46	2.72	1.68	2.91	1.89	3.11	2.07	3.21	2.37
10.0	2.28	1.28	2.58	1.46	2.72	1.68	2.91	1.89	3.11	2.07	3.21	2.37
15.0	2.28	1.28	2.58	1.46	2.72	1.68	2.91	1.89	3.11	2.07	3.21	2.37
20.0	2.28	1.28	2.58	1.46	2.72	1.68	2.91	1.89	3.11	2.07	3.21	2.37
25.0	2.28	1.28	2.58	1.46	2.72	1.68	2.91	1.89	3.11	2.07	3.21	2.37
30.0	2.28	1.28	2.58	1.46	2.72	1.68	2.91	1.89	3.11	2.07	3.21	2.37
35.0	2.28	1.28	2.58	1.46	2.72	1.68	2.91	1.89	3.11	2.07	3.21	2.37
40.0	1.98	0.97	2.24	1.10	2.36	1.27	2.53	1.43	2.70	1.56	2.78	1.79
46.0	1.72	0.73	1.95	0.83	2.05	0.96	2.20	1.08	2.35	1.18	2.42	1.35

NOTES:

- TC: Total Capacity (kW), SHC: Sensible Heat Capacity (kW)
- Values mentioned in the table are based on the following conditions:
 - Pipe length: 5 m, Height difference: 0 m (Outdoor unit—Indoor unit)

■ Model: AOYG18KBTA2

OUTDOOR UNIT
AOYG14-18KBTA2OUTDOOR UNIT
AOYG14-18KBTA2

Indoor unit connect-ing capacity	Outdoor temperature	Indoor temperature											
		18.0 °CDB		21.0 °CDB		23.0 °CDB		27.0 °CDB		29.0 °CDB		32.0 °CDB	
		12.0 °CWB		15.0 °CWB		16.0 °CWB		19.0 °CWB		21.0 °CWB		23.0 °CWB	
kBtu/h	°CDB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
26	-10.0	4.5	0.80	5.1	0.81	5.4	0.82	5.8	0.83	6.2	0.84	6.4	0.84
	0.0	4.5	1.04	5.1	1.05	5.4	1.06	5.8	1.07	6.2	1.09	6.4	1.09
	5.0	4.5	0.88	5.1	0.90	5.4	0.90	5.8	0.91	6.2	0.92	6.4	0.93
	10.0	4.5	0.48	5.1	0.49	5.4	0.50	5.8	0.50	6.2	0.51	6.4	0.51
	15.0	4.5	0.64	5.1	0.65	5.4	0.66	5.8	0.67	6.2	0.67	6.4	0.68
	20.0	4.5	0.85	5.1	0.86	5.4	0.87	5.8	0.88	6.2	0.89	6.4	0.89
	25.0	4.5	1.05	5.1	1.07	5.4	1.08	5.8	1.09	6.2	1.10	6.4	1.11
	30.0	4.5	1.22	5.1	1.24	5.4	1.25	5.8	1.27	6.2	1.28	6.4	1.29
	35.0	4.5	1.57	5.1	1.60	5.4	1.61	5.8	1.63	6.2	1.65	6.4	1.66
	40.0	3.6	1.28	4.0	1.30	4.3	1.31	4.6	1.32	4.9	1.34	5.0	1.35
	46.0	2.6	0.99	2.9	1.00	3.1	1.01	3.3	1.02	3.6	1.03	3.7	1.04
24	-10.0	4.5	0.80	5.1	0.81	5.4	0.82	5.8	0.83	6.2	0.84	6.4	0.84
	0.0	4.5	1.04	5.1	1.05	5.4	1.06	5.8	1.07	6.2	1.09	6.4	1.09
	5.0	4.5	0.88	5.1	0.90	5.4	0.90	5.8	0.91	6.2	0.92	6.4	0.93
	10.0	4.5	0.48	5.1	0.49	5.4	0.50	5.8	0.50	6.2	0.51	6.4	0.51
	15.0	4.5	0.64	5.1	0.65	5.4	0.66	5.8	0.67	6.2	0.67	6.4	0.68
	20.0	4.5	0.85	5.1	0.86	5.4	0.87	5.8	0.88	6.2	0.89	6.4	0.89
	25.0	4.5	1.05	5.1	1.07	5.4	1.08	5.8	1.09	6.2	1.10	6.4	1.11
	30.0	4.5	1.22	5.1	1.24	5.4	1.25	5.8	1.27	6.2	1.28	6.4	1.29
	35.0	4.5	1.57	5.1	1.60	5.4	1.61	5.8	1.63	6.2	1.65	6.4	1.66
	40.0	3.6	1.28	4.0	1.30	4.3	1.31	4.6	1.32	4.9	1.34	5.0	1.35
	46.0	2.6	0.99	2.9	1.00	3.1	1.01	3.3	1.02	3.6	1.03	3.7	1.04
23	-10.0	4.5	0.80	5.1	0.81	5.4	0.82	5.8	0.83	6.2	0.84	6.4	0.84
	0.0	4.5	1.04	5.1	1.05	5.4	1.06	5.8	1.07	6.2	1.09	6.4	1.09
	5.0	4.5	0.88	5.1	0.90	5.4	0.90	5.8	0.91	6.2	0.92	6.4	0.93
	10.0	4.5	0.48	5.1	0.49	5.4	0.50	5.8	0.50	6.2	0.51	6.4	0.51
	15.0	4.5	0.64	5.1	0.65	5.4	0.66	5.8	0.67	6.2	0.67	6.4	0.68
	20.0	4.5	0.85	5.1	0.86	5.4	0.87	5.8	0.88	6.2	0.89	6.4	0.89
	25.0	4.5	1.05	5.1	1.07	5.4	1.08	5.8	1.09	6.2	1.10	6.4	1.11
	30.0	4.5	1.22	5.1	1.24	5.4	1.25	5.8	1.27	6.2	1.28	6.4	1.29
	35.0	4.5	1.57	5.1	1.60	5.4	1.61	5.8	1.63	6.2	1.65	6.4	1.66
	40.0	3.6	1.28	4.0	1.30	4.3	1.31	4.6	1.32	4.9	1.34	5.0	1.35
	46.0	2.6	0.99	2.9	1.00	3.1	1.01	3.3	1.02	3.6	1.03	3.7	1.04
21	-10.0	4.5	0.80	5.1	0.81	5.4	0.82	5.8	0.83	6.2	0.84	6.4	0.84
	0.0	4.5	1.04	5.1	1.05	5.4	1.06	5.8	1.07	6.2	1.09	6.4	1.09
	5.0	4.5	0.88	5.1	0.90	5.4	0.90	5.8	0.91	6.2	0.92	6.4	0.93
	10.0	4.5	0.48	5.1	0.49	5.4	0.50	5.8	0.50	6.2	0.51	6.4	0.51
	15.0	4.5	0.64	5.1	0.65	5.4	0.66	5.8	0.67	6.2	0.67	6.4	0.68
	20.0	4.5	0.85	5.1	0.86	5.4	0.87	5.8	0.88	6.2	0.89	6.4	0.89
	25.0	4.5	1.05	5.1	1.07	5.4	1.08	5.8	1.09	6.2	1.10	6.4	1.11
	30.0	4.5	1.22	5.1	1.24	5.4	1.25	5.8	1.27	6.2	1.28	6.4	1.29
	35.0	4.5	1.57	5.1	1.60	5.4	1.61	5.8	1.63	6.2	1.65	6.4	1.66
	40.0	3.6	1.28	4.0	1.30	4.3	1.31	4.6	1.32	4.9	1.34	5.0	1.35
	46.0	2.6	0.99	2.9	1.00	3.1	1.01	3.3	1.02	3.6	1.03	3.7	1.04
19	-10.0	4.5	0.80	5.1	0.81	5.4	0.82	5.8	0.83	6.2	0.84	6.4	0.84
	0.0	4.5	1.04	5.1	1.05	5.4	1.06	5.8	1.07	6.2	1.09	6.4	1.09
	5.0	4.5	0.88	5.1	0.90	5.4	0.90	5.8	0.91	6.2	0.92	6.4	0.93
	10.0	4.5	0.48	5.1	0.49	5.4	0.50	5.8	0.50	6.2	0.51	6.4	0.51
	15.0	4.5	0.64	5.1	0.65	5.4	0.66	5.8	0.67	6.2	0.67	6.4	0.68
	20.0	4.5	0.85	5.1	0.86	5.4	0.87	5.8	0.88	6.2	0.89	6.4	0.89
	25.0	4.5	1.05	5.1	1.07	5.4	1.08	5.8	1.09	6.2	1.10	6.4	1.11
	30.0	4.5	1.22	5.1	1.24	5.4	1.25	5.8	1.27	6.2	1.28	6.4	1.29
	35.0	4.5	1.57	5.1	1.60	5.4	1.61	5.8	1.63	6.2	1.65	6.4	1.66
	40.0	3.6	1.28	4.0	1.30	4.3	1.31	4.6	1.32	4.9	1.34	5.0	1.35
	46.0	2.6	0.99	2.9	1.00	3.1	1.01	3.3	1.02	3.6	1.03	3.7	1.04
18	-10.0	4.5	0.80	5.1	0.81	5.4	0.82	5.8	0.83	6.2	0.84	6.4	0.84
	0.0	4.5	1.04	5.1	1.05	5.4	1.06	5.8	1.07	6.2	1.09	6.4	1.09
	5.0	4.5	0.88	5.1	0.90	5.4	0.90	5.8	0.91	6.2	0.92	6.4	0.93
	10.0	4.5	0.48	5.1	0.49	5.4	0.50	5.8	0.50	6.2	0.51	6.4	0.51
	15.0	4.5	0.64	5.1	0.65	5.4	0.66	5.8	0.67	6.2	0.67	6.4	0.68
	20.0	4.5	0.85	5.1	0.86	5.4	0.87	5.8	0.88	6.2	0.89	6.4	0.89
	25.0	4.5	1.05	5.1	1.07	5.4	1.08	5.8	1.09	6.2	1.10	6.4	1.11
	30.0	4.5	1.22	5.1	1.24	5.4	1.25	5.8	1.27	6.2	1.28	6.4	1.29
	35.0	4.5	1.57	5.1	1.60	5.4	1.61	5.8	1.63	6.2	1.65	6.4	1.66
	40.0	3.6	1.28	4.0	1.30	4.3	1.31	4.6	1.32	4.9	1.34	5.0	1.35
	46.0	2.6	0.99	2.9	1.00	3.1	1.01	3.3	1.02	3.6	1.03	3.7	1.04
16	-10.0	4.5	0.78	5.1	0.79	5.3	0.80	5.7	0.80	6.1	0.81	6.3	0.82
	0.0	4.5	1.01	5.1	1.02	5.3	1.03	5.7	1.04	6.1	1.06	6.3	1.06
	5.0	4.5	0.86	5.1	0.87	5.3	0.88	5.7	0.89	6.1	0.90	6.3	0.90
	10.0	4.5	0.47	5.1	0.48	5.3	0.48	5.7	0.49	6.1	0.49	6.3	0.50
	15.0	4.5	0.62	5.1	0.63	5.3	0.64	5.7	0.65	6.1	0.65	6.3	0.66
	20.0	4.5	0.82	5.1	0.84	5.3	0.84	5.7	0.85	6.1	0.86	6.3	0.87
	25.0	4.5	1.02	5.1	1.04	5.3	1.05	5.7	1.06	6.1	1.07	6.3	1.08
	30.0	4.5	1.19	5.1	1.21	5.3	1.22	5.7	1.23	6.1	1.25	6.3	1.25
	35.0	4.5	1.52	5.1	1.55	5.3	1.56	5.7	1.58	6.1	1.60	6.3	1.61
	40.0	3.5	1.24	4.0	1.26	4.2	1.27	4.5	1.29	4.8	1.30	4.9	1.31
	46.0	3.5	0.96	4.0	0.97	4.2	0.98	4.5	0.99	4.8	1.00	4.9	1.01

Indoor unit connect-ing capacity	Outdoor temperature	Indoor temperature											
		18.0 °CDB		21.0 °CDB		23.0 °CDB		27.0 °CDB		29.0 °CDB		32.0 °CDB	
		12.0 °CWB		15.0 °CWB		16.0 °CWB		19.0 °CWB		21.0 °CWB		23.0 °CWB	
kBtu/h	°CDB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
14	-10.0	3.9	0.63	4.4	0.64	4.7	0.65	5.0	0.65	5.3	0.66	5.5	0.67
	0.0	3.9	0.82	4.4	0.83	4.7	0.84	5.0	0.85	5.3	0.86	5.5	0.86
	5.0	3.9	0.70	4.4	0.71	4.7	0.71	5.0	0.72	5.3	0.73	5.5	0.73
	10.0	3.9	0.38	4.4	0.39	4.7	0.39	5.0	0.40	5.3	0.40	5.5	0.40
	15.0	3.9	0.51	4.4	0.52	4.7	0.52	5.0	0.53	5.3	0.53	5.5	0.54
	20.0	3.9	0.67	4.4	0.68	4.7	0.69	5.0	0.69	5.3	0.70	5.5	0.71
	25.0	3.9	0.83	4.4	0.84	4.7	0.85	5.0	0.86	5.3	0.87	5.5	0.87
	30.0	3.9	0.97	4.4	0.98	4.7	0.99	5.0	1.00	5.3	1.01	5.5	1.02
	35.0	3.9	1.24	4.4	1.26	4.7	1.27	5.0	1.29	5.3	1.30	5.5	1.31
	40.0	3.1	1.01	3.5	1.03	3.7	1.04	3.9	1.05	4.2	1.06	4.3	1.06
	46.0	3.1	0.78	3.5	0.79	3.7	0.80	3.9	0.81	4.2	0.82	4.3	0.82

NOTES:

- TC: Total Capacity (kW), IP: Input Power (kW)
- Values mentioned in the table are based on the following conditions:
 - Power source of specifications: 230 V
 - Pipe length: 5 m, Height difference: 0 m (Outdoor unit—Indoor unit)
- 2 or more indoor units should be connected.
- The total ability of connected indoor unit is from 14,000 Btu/h up to 26,000 Btu/h.
- Input in the table are calculated based on the maximum indoor unit input combinations.

● Compact cassette type

Model: AUXG07KVLA

Outdoor temperature (�b0;CDB)	Indoor temperature (�b0;CDB / �b0;CWB)</th><th data-kind="ghost"></th><th data-kind="ghost"></th></tr> <tr> <th data-kind="ghost"></th><th data-cs="2" data-kind="parent">18.0 / 12.0</th><th data-kind="ghost"></th><th data-cs="2" data-kind="parent">21.0 / 15.0</th><th data-kind="ghost"></th><th data-cs="2" data-kind="parent">23.0 / 16.0</th><th data-kind="ghost"></th><th data-cs="2" data-kind="parent">27.0 / 19.0</th><th data-kind="ghost"></th><th data-cs="2" data-kind="parent">29.0 / 21.0</th><th data-kind="ghost"></th><th data-cs="2" data-kind="parent">32.0 / 23.0</th><th data-kind="ghost"></th></tr> <tr> <th>TC</th><th>SHC</th><th>TC</th><th>SHC</th><th>TC</th><th>SHC</th><th>TC</th><th>SHC</th><th>TC</th><th>SHC</th><th>TC</th><th>SHC</th></tr> </thead> <tbody> <tr><td>-10.0</td><td>1.96</td><td>1.32</td><td>2.22</td><td>1.51</td><td>2.34</td><td>1.74</td><td>2.50</td><td>1.95</td><td>2.67</td><td>2.13</td><td>2.76</td><td>2.44</td></tr> <tr><td>0.0</td><td>1.96</td><td>1.32</td><td>2.22</td><td>1.51</td><td>2.34</td><td>1.74</td><td>2.50</td><td>1.95</td><td>2.67</td><td>2.13</td><td>2.76</td><td>2.44</td></tr> <tr><td>5.0</td><td>1.96</td><td>1.32</td><td>2.22</td><td>1.51</td><td>2.34</td><td>1.74</td><td>2.50</td><td>1.95</td><td>2.67</td><td>2.13</td><td>2.76</td><td>2.44</td></tr> <tr><td>10.0</td><td>1.96</td><td>1.32</td><td>2.22</td><td>1.51</td><td>2.34</td><td>1.74</td><td>2.50</td><td>1.95</td><td>2.67</td><td>2.13</td><td>2.76</td><td>2.44</td></tr> <tr><td>15.0</td><td>1.96</td><td>1.32</td><td>2.22</td><td>1.51</td><td>2.34</td><td>1.74</td><td>2.50</td><td>1.95</td><td>2.67</td><td>2.13</td><td>2.76</td><td>2.44</td></tr> <tr><td>20.0</td><td>1.96</td><td>1.32</td><td>2.22</td><td>1.51</td><td>2.34</td><td>1.74</td><td>2.50</td><td>1.95</td><td>2.67</td><td>2.13</td><td>2.76</td><td>2.44</td></tr> 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Cooling capacity</div> <div>- 232 -</div> <div>6. Capacity table</div> <div>OUTDOOR UNIT AOYG14-18KBTA2</div> <div>OUTDOOR UNIT AOYG14-18KBTA2</div>
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● Mini duct type

Model: ARXG07KSLAP

Outdoor temperature	Indoor temperature (°CDB / °CWB)											
	18.0 / 12.0		21.0 / 15.0		23.0 / 16.0		27.0 / 19.0		29.0 / 21.0		32.0 / 23.0	
(°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
-10.0	1.96	1.36	2.22	1.55	2.34	1.78	2.50	2.00	2.67	2.19	2.76	2.51
0.0	1.96	1.36	2.22	1.55	2.34	1.78	2.50	2.00	2.67	2.19	2.76	2.51
5.0	1.96	1.36	2.22	1.55	2.34	1.78	2.50	2.00	2.67	2.19	2.76	2.51
10.0	1.96	1.36	2.22	1.55	2.34	1.78	2.50	2.00	2.67	2.19	2.76	2.51
15.0	1.96	1.36	2.22	1.55	2.34	1.78	2.50	2.00	2.67	2.19	2.76	2.51
20.0	1.96	1.36	2.22	1.55	2.34	1.78	2.50	2.00	2.67	2.19	2.76	2.51
25.0	1.96	1.36	2.22	1.55	2.34	1.78	2.50	2.00	2.67	2.19	2.76	2.51
30.0	1.96	1.36	2.22	1.55	2.34	1.78	2.50	2.00	2.67	2.19	2.76	2.51
35.0	1.96	1.36	2.22	1.55	2.34	1.78	2.50	2.00	2.67	2.19	2.76	2.51
40.0	1.54	0.84	1.74	0.96	1.84	1.10	1.97	1.24	2.10	1.35	2.17	1.55
46.0	1.12	0.45	1.27	0.51	1.34	0.59	1.43	0.66	1.53	0.72	1.58	0.83

Model: ARXG09KSLAP

Outdoor temperature	Indoor temperature (°CDB / °CWB)											
	18.0 / 12.0		21.0 / 15.0		23.0 / 16.0		27.0 / 19.0		29.0 / 21.0		32.0 / 23.0	
(°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
-10.0	2.51	1.61	2.84	1.83	2.99	2.11	3.20	2.37	3.42	2.59	3.53	2.97
0.0	2.51	1.61	2.84	1.83	2.99	2.11	3.20	2.37	3.42	2.59	3.53	2.97
5.0	2.51	1.61	2.84	1.83	2.99	2.11	3.20	2.37	3.42	2.59	3.53	2.97
10.0	2.51	1.61	2.84	1.83	2.99	2.11	3.20	2.37	3.42	2.59	3.53	2.97
15.0	2.51	1.61	2.84	1.83	2.99	2.11	3.20	2.37	3.42	2.59	3.53	2.97
20.0	2.51	1.61	2.84	1.83	2.99	2.11	3.20	2.37	3.42	2.59	3.53	2.97
25.0	2.51	1.61	2.84	1.83	2.99	2.11	3.20	2.37	3.42	2.59	3.53	2.97
30.0	2.51	1.61	2.84	1.83	2.99	2.11	3.20	2.37	3.42	2.59	3.53	2.97
35.0	2.51	1.61	2.84	1.83	2.99	2.11	3.20	2.37	3.42	2.59	3.53	2.97
40.0	1.97	0.99	2.23	1.13	2.35	1.31	2.52	1.47	2.69	1.60	2.78	1.84
46.0	1.44	0.53	1.63	0.60	1.72	0.69	1.84	0.78	1.96	0.85	2.02	0.98

Model: ARXG12KSLAP

Outdoor temperature	Indoor temperature (°CDB / °CWB)											
	18.0 / 12.0		21.0 / 15.0		23.0 / 16.0		27.0 / 19.0		29.0 / 21.0		32.0 / 23.0	
(°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
-10.0	2.87	1.84	3.24	2.09	3.42	2.41	3.66	2.71	3.91	2.96	4.03	3.39
0.0	2.87	1.84	3.24	2.09	3.42	2.41	3.66	2.71	3.91	2.96	4.03	3.39
5.0	2.87	1.84	3.24	2.09	3.42	2.41	3.66	2.71	3.91	2.96	4.03	3.39
10.0	2.87	1.84	3.24	2.09	3.42	2.41	3.66	2.71	3.91	2.96	4.03	3.39
15.0	2.87	1.84	3.24	2.09	3.42	2.41	3.66	2.71	3.91	2.96	4.03	3.39
20.0	2.87	1.84	3.24	2.09	3.42	2.41	3.66	2.71	3.91	2.96	4.03	3.39
25.0	2.87	1.84	3.24	2.09	3.42	2.41	3.66	2.71	3.91	2.96	4.03	3.39
30.0	2.87	1.84	3.24	2.09	3.42	2.41	3.66	2.71	3.91	2.96	4.03	3.39
35.0	2.87	1.84	3.24	2.09	3.42	2.41	3.66	2.71	3.91	2.96	4.03	3.39
40.0	2.26	1.14	2.55	1.30	2.69	1.49	2.88	1.68	3.08	1.83	3.17	2.10
46.0	1.65	0.60	1.86	0.69	1.96	0.79	2.10	0.89	2.25	0.98	2.31	1.13

Model: ARXG14KSLAP

Outdoor temperature	Indoor temperature (°CDB / °CWB)											
	18.0 / 12.0		21.0 / 15.0		23.0 / 16.0		27.0 / 19.0		29.0 / 21.0		32.0 / 23.0	
(°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
-10.0	3.03	1.86	3.43	2.12	3.61	2.45	3.87	2.75	4.14	3.01	4.26	3.44
0.0	3.03	1.86	3.43	2.12	3.61	2.45	3.87	2.75	4.14	3.01	4.26	3.44
5.0	3.03	1.86	3.43	2.12	3.61	2.45	3.87	2.75	4.14	3.01	4.26	3.44
10.0	3.03	1.86	3.43	2.12	3.61	2.45	3.87	2.75	4.14	3.01	4.26	3.44
15.0	3.03	1.86	3.43	2.12	3.61	2.45	3.87	2.75	4.14	3.01	4.26	3.44
20.0	3.03	1.86	3.43	2.12	3.61	2.45	3.87	2.75	4.14	3.01	4.26	3.44
25.0	3.03	1.86	3.43	2.12	3.61	2.45	3.87	2.75	4.14	3.01	4.26	3.44
30.0	3.03	1.86	3.43	2.12	3.61	2.45	3.87	2.75	4.14	3.01	4.26	3.44
35.0	3.03	1.86	3.43	2.12	3.61	2.45	3.87	2.75	4.14	3.01	4.26	3.44
40.0	2.39	1.15	2.70	1.32	2.84	1.51	3.05	1.70	3.26	1.86	3.36	2.13
46.0	1.74	0.61	1.97	0.70	2.07	0.81	2.22	0.91	2.37	0.99	2.45	1.13

NOTES:

- TC: Total Capacity (kW), SHC: Sensible Heat Capacity (kW)

• Values mentioned in the table are based on the following conditions:

- Pipe length: 5 m, Height difference: 0 m [Outdoor unit—Indoor unit]

● Slim duct type

Model: ARXG07KLLAP

Outdoor temperature	Indoor temperature (°CDB / °CWB)											
	18.0 / 12.0		21.0 / 15.0		23.0 / 16.0		27.0 / 19.0		29.0 / 21.0		32.0 / 23.0	
(°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
-10.0	1.96	1.36	2.22	1.55	2.34	1.78	2.50	2.00	2.67	2.19	2.76	2.51
0.0	1.96	1.36	2.22	1.55	2.34	1.78	2.50	2.00	2.67	2.19	2.76	2.51
5.0	1.96	1.36	2.22	1.55	2.34	1.78	2.50	2.00	2.67	2.19	2.76	2.51
10.0	1.96	1.36	2.22	1.55	2.34	1.78	2.50	2.00	2.67	2.19	2.76	2.51
15.0	1.96	1.36	2.22	1.55	2.34	1.78	2.50	2.00	2.67	2.19	2.76	2.51
20.0	1.96	1.36	2.22	1.55	2.34	1.78	2.50	2.00	2.67	2.19	2.76	2.51
25.0	1.96	1.36	2.22	1.55	2.34	1.78	2.50	2.00	2.67	2.19	2.76	2.51
30.0	1.96	1.36	2.22	1.55	2.34	1.78	2.50	2.00	2.67	2.19	2.76	2.51
35.0	1.96	1.36	2.22	1.55	2.34	1.78	2.50	2.00	2.67	2.19	2.76	2.51
40.0	1.54	0.84	1.74	0.96	1.84	1.10	1.97	1.24	2.10	1.35	2.17	1.55
46.0	1.12	0.45	1.27	0.51	1.34	0.59	1.43	0.66	1.53	0.72	1.58	0.83

Model: ARXG09KLLAP

Outdoor temperature	Indoor temperature (°CDB / °CWB)											
	18.0 / 12.0		21.0 / 15.0		23.0 / 16.0		27.0 / 19.0		29.0 / 21.0		32.0 / 23.0	
(°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
-10.0	2.51	1.67	2.84	1.90	2.99	2.19	3.20	2.46	3.42	2.69	3.53	3.09
0.0	2.51	1.67	2.84	1.90	2.99	2.19	3.20	2.46	3.42	2.69	3.53	3.09
5.0	2.51	1.67	2.84	1.90	2.99	2.19	3.20	2.46	3.42	2.69	3.53	3.09
10.0	2.51	1.67	2.84	1.90	2.99	2.19	3.20	2.46	3.42	2.69	3.53	3.09
15.0	2.51	1.67	2.84	1.90	2.99	2.19	3.20	2.46	3.42	2.69	3.53	3.09
20.0	2.51	1.67	2.84	1.90	2.99	2.19	3.20	2.46	3.42	2.69	3.53	3.09
25.0	2.51	1.67	2.84	1.90	2.99	2.19	3.20	2.46	3.42	2.69	3.53	3.09
30.0	2.51	1.67	2.84	1.90	2.99	2.19	3.20	2.46	3.42	2.69	3.53	3.09
35.0	2.51	1.67	2.84	1.90	2.99	2.19	3.20	2.46	3.42	2.69	3.53	3.09
40.0	1.97	1.03	2.23	1.18	2.35	1.36	2.52	1.53	2.69	1.67	2.78	1.91
46.0	1.44	0.55	1.63	0.63	1.72	0.72	1.84	0.81	1.96	0.89	2.02	1.02

Model: ARXG12KLLAP

Outdoor temperature	Indoor temperature (°CDB / °CWB)											
	18.0 / 12.0		21.0 / 15.0		23.0 / 16.0		27.0 / 19.0		29.0 / 21.0		32.0 / 23.0	
(°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
-10.0	2.87	1.94	3.24	2.21	3.42	2.54	3.66	2.85	3.91	3.12	4.03	3.58
0.0	2.87	1.94	3.24	2.21	3.42	2.54	3.66	2.85	3.91	3.12	4.03	3.58
5.0	2.87	1.94	3.24	2.21	3.42	2.54	3.66	2.85	3.91	3.12	4.03	3.58
10.0	2.87	1.94	3.24	2.21	3.42	2.54	3.66	2.85	3.91	3.12	4.03	3.58
15.0	2.87	1.94	3.24	2.21	3.42	2.54	3.66	2.85	3.91	3.12	4.03	3.58
20.0	2.87	1.94	3.24	2.21	3.42	2.54	3.66	2.85	3.91	3.12	4.03	3.58
25.0	2.87	1.94	3.24	2.21	3.42	2.54	3.66	2.85	3.91	3.12	4.03	3.58
30.0	2.87	1.94	3.24	2.21	3.42	2.54	3.66	2.85	3.91	3.12	4.03	3.58
35.0	2.87	1.94	3.24	2.21	3.42	2.54	3.66	2.85	3.91	3.12	4.03	3.58
40.0	2.26	1.20	2.55	1.37	2.69	1.57	2.88	1.77	3.08	1.93	3.17	2.22
46.0	1.65	0.64	1.86	0.73	1.96	0.84	2.10	0.94	2.25	1.03	2.31	1.18

Model: ARXG14KLLAP

Outdoor temperature	Indoor temperature (°CDB / °CWB)											
	18.0 / 12.0		21.0 / 15.0		23.0 / 16.0		27.0 / 19.0		29.0 / 21.0		32.0 / 23.0	
(°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
-10.0	3.03	1.94	3.43	2.21	3.61	2.55	3.87	2.86	4.14	3.13	4.26	3.59
0.0	3.03	1.94	3.43	2.21	3.61	2.55	3.87	2.86	4.14	3.13	4.26	3.59
5.0	3.03	1.94	3.43	2.21	3.61	2.55	3.87	2.86	4.14	3.13	4.26	3.59
10.0	3.03	1.94	3.43	2.21	3.61	2.55	3.87	2.86	4.14	3.13	4.26	3.59
15.0	3.03	1.94	3.43	2.21	3.61	2.55	3.87	2.86	4.14	3.13	4.26	3.59
20.0	3.03	1.94	3.43	2.21	3.61	2.55	3.87	2.86	4.14	3.13	4.26	3.59
25.0	3.03	1.94	3.43	2.21	3.61	2.55	3.87	2.86	4.14	3.13	4.26	3.59
30.0	3.03	1.94	3.43	2.21	3.61	2.55	3.87	2.86	4.14	3.13	4.26	3.59
35.0	3.03	1.94	3.43	2.21	3.61	2.55	3.87	2.86	4.14	3.13	4.26	3.59
40.0	2.39	1.20	2.70	1.37	2.84	1.58	3.05	1.77	3.26	1.94	3.36	2.22
46.0	1.74	0.64	1.97	0.73	2.07	0.84	2.22	0.94	2.37	1.03	2.45	1.18

NOTES:

- TC: Total Capacity (kW), SHC: Sensible Heat Capacity (kW)
- Values mentioned in the table are based on the following conditions:
 - Pipe length: 5 m, Height difference: 0 m (Outdoor unit—Indoor unit)

● Wall mounted type

Model: ASYG07KGTB

Outdoor temperature	Indoor temperature (°CDB / °CWB)											
	18.0 / 12.0		21.0 / 15.0		23.0 / 16.0		27.0 / 19.0		29.0 / 21.0		32.0 / 23.0	
(°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
-10.0	1.96	1.10	2.22	1.26	2.34	1.45	2.50	1.63	2.67	1.78	2.76	2.04
0.0	1.96	1.10	2.22	1.26	2.34	1.45	2.50	1.63	2.67	1.78	2.76	2.04
5.0	1.96	1.10	2.22	1.26	2.34	1.45	2.50	1.63	2.67	1.78	2.76	2.04
10.0	1.96	1.10	2.22	1.26	2.34	1.45	2.50	1.63	2.67	1.78	2.76	2.04
15.0	1.96	1.10	2.22	1.26	2.34	1.45	2.50	1.63	2.67	1.78	2.76	2.04
20.0	1.96	1.10	2.22	1.26	2.34	1.45	2.50	1.63	2.67	1.78	2.76	2.04
25.0	1.96	1.10	2.22	1.26	2.34	1.45	2.50	1.63	2.67	1.78	2.76	2.04
30.0	1.96	1.10	2.22	1.26	2.34	1.45	2.50	1.63	2.67	1.78	2.76	2.04
35.0	1.96	1.10	2.22	1.26	2.34	1.45	2.50	1.63	2.67	1.78	2.76	2.04
40.0	1.54	0.68	1.74	0.78	1.84	0.90	1.97	1.01	2.10	1.10	2.17	1.26
46.0	1.12	0.36	1.27	0.41	1.34	0.48	1.43	0.54	1.53	0.59	1.58	0.67

Model: ASYG09KGTB

Outdoor temperature	Indoor temperature (°CDB / °CWB)											
	18.0 / 12.0		21.0 / 15.0		23.0 / 16.0		27.0 / 19.0		29.0 / 21.0		32.0 / 23.0	
(°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
-10.0	2.51	1.41	2.84	1.61	2.99	1.85	3.20	2.08	3.42	2.27	3.53	2.61
0.0	2.51	1.41	2.84	1.61	2.99	1.85	3.20	2.08	3.42	2.27	3.53	2.61
5.0	2.51	1.41	2.84	1.61	2.99	1.85	3.20	2.08	3.42	2.27	3.53	2.61
10.0	2.51	1.41	2.84	1.61	2.99	1.85	3.20	2.08	3.42	2.27	3.53	2.61
15.0	2.51	1.41	2.84	1.61	2.99	1.85	3.20	2.08	3.42	2.27	3.53	2.61
20.0	2.51	1.41	2.84	1.61	2.99	1.85	3.20	2.08	3.42	2.27	3.53	2.61
25.0	2.51	1.41	2.84	1.61	2.99	1.85	3.20	2.08	3.42	2.27	3.53	2.61
30.0	2.51	1.41	2.84	1.61	2.99	1.85	3.20	2.08	3.42	2.27	3.53	2.61
35.0	2.51	1.41	2.84	1.61	2.99	1.85	3.20	2.08	3.42	2.27	3.53	2.61
40.0	1.97	0.87	2.23	1.00	2.35	1.15	2.52	1.29	2.69	1.41	2.78	1.61
46.0	1.44	0.46	1.63	0.53	1.72	0.61	1.84	0.69	1.96	0.75	2.02	0.86

Model: ASYG12KGTB

Outdoor temperature	Indoor temperature (°CDB / °CWB)											
	18.0 / 12.0		21.0 / 15.0		23.0 / 16.0		27.0 / 19.0		29.0 / 21.0		32.0 / 23.0	
(°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
-10.0	2.87	1.61	3.24	1.84	3.42	2.12	3.66	2.38	3.91	2.60	4.03	2.98
0.0	2.87	1.61	3.24	1.84	3.42	2.12	3.66	2.38	3.91	2.60	4.03	2.98
5.0	2.87	1.61	3.24	1.84	3.42	2.12	3.66	2.38	3.91	2.60	4.03	2.98
10.0	2.87	1.61	3.24	1.84	3.42	2.12	3.66	2.38	3.91	2.60	4.03	2.98
15.0	2.87	1.61	3.24	1.84	3.42	2.12	3.66	2.38	3.91	2.60	4.03	2.98
20.0	2.87	1.61	3.24	1.84	3.42	2.12	3.66	2.38	3.91	2.60	4.03	2.98
25.0	2.87	1.61	3.24	1.84	3.42	2.12	3.66	2.38	3.91	2.60	4.03	2.98
30.0	2.87	1.61	3.24	1.84	3.42	2.12	3.66	2.38	3.91	2.60	4.03	2.98
35.0	2.87	1.61	3.24	1.84	3.42	2.12	3.66	2.38	3.91	2.60	4.03	2.98
40.0	2.26	1.00	2.55	1.14	2.69	1.31	2.88	1.47	3.08	1.61	3.17	1.85
46.0	1.65	0.53	1.86	0.61	1.96	0.70	2.10	0.78	2.25	0.86	2.31	0.98

Model: ASYG14KGTB

Outdoor temperature	Indoor temperature (°CDB / °CWB)											
	18.0 / 12.0		21.0 / 15.0		23.0 / 16.0		27.0 / 19.0		29.0 / 21.0		32.0 / 23.0	
(°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
-10.0	3.03	1.71	3.43	1.94	3.61	2.24	3.87	2.52	4.14	2.75	4.26	3.15
0.0	3.03	1.71	3.43	1.94	3.61	2.24	3.87	2.52	4.14	2.75	4.26	3.15
5.0	3.03	1.71	3.43	1.94	3.61	2.24	3.87	2.52	4.14	2.75	4.26	3.15
10.0	3.03	1.71	3.43	1.94	3.61	2.24	3.87	2.52	4.14	2.75	4.26	3.15
15.0	3.03	1.71	3.43	1.94	3.61	2.24	3.87	2.52	4.14	2.75	4.26	3.15
20.0	3.03	1.71	3.43	1.94	3.61	2.24	3.87	2.52	4.14	2.75	4.26	3.15
25.0	3.03	1.71	3.43	1.94	3.61	2.24	3.87	2.52	4.14	2.75	4.26	3.15
30.0	3.03	1.71	3.43	1.94	3.61	2.24	3.87	2.52	4.14	2.75	4.26	3.15
35.0	3.03	1.71	3.43	1.94	3.61	2.24	3.87	2.52	4.14	2.75	4.26	3.15
40.0	2.39	1.06	2.70	1.20	2.84	1.39	3.05	1.56	3.26	1.70	3.36	1.95
46.0	1.74	0.56	1.97	0.64	2.07	0.74	2.22	0.83	2.37	0.91	2.45	1.04

Models: ASYG07KMTB and ASYG07KMCC

Outdoor temperature (°CDB)	Indoor temperature (°CDB / °CWB)											
	18.0 / 12.0		21.0 / 15.0		23.0 / 16.0		27.0 / 19.0		29.0 / 21.0		32.0 / 23.0	
TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	
-10.0	1.96	1.10	2.22	1.26	2.34	1.45	2.50	1.63	2.67	1.78	2.76	2.04
0.0	1.96	1.10	2.22	1.26	2.34	1.45	2.50	1.63	2.67	1.78	2.76	2.04
5.0	1.96	1.10	2.22	1.26	2.34	1.45	2.50	1.63	2.67	1.78	2.76	2.04
10.0	1.96	1.10	2.22	1.26	2.34	1.45	2.50	1.63	2.67	1.78	2.76	2.04
15.0	1.96	1.10	2.22	1.26	2.34	1.45	2.50	1.63	2.67	1.78	2.76	2.04
20.0	1.96	1.10	2.22	1.26	2.34	1.45	2.50	1.63	2.67	1.78	2.76	2.04
25.0	1.96	1.10	2.22	1.26	2.34	1.45	2.50	1.63	2.67	1.78	2.76	2.04
30.0	1.96	1.10	2.22	1.26	2.34	1.45	2.50	1.63	2.67	1.78	2.76	2.04
35.0	1.96	1.10	2.22	1.26	2.34	1.45	2.50	1.63	2.67	1.78	2.76	2.04
40.0	1.54	0.68	1.74	0.78	1.84	0.90	1.97	1.01	2.10	1.10	2.17	1.26
46.0	1.12	0.36	1.27	0.41	1.34	0.48	1.43	0.54	1.53	0.59	1.58	0.67

Models: ASYG09KMTB and ASYG09KMCC

Outdoor temperature (°CDB)	Indoor temperature (°CDB / °CWB)											
	18.0 / 12.0		21.0 / 15.0		23.0 / 16.0		27.0 / 19.0		29.0 / 21.0		32.0 / 23.0	
TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	
-10.0	2.51	1.41	2.84	1.61	2.99	1.85	3.20	2.08	3.42	2.27	3.53	2.61
0.0	2.51	1.41	2.84	1.61	2.99	1.85	3.20	2.08	3.42	2.27	3.53	2.61
5.0	2.51	1.41	2.84	1.61	2.99	1.85	3.20	2.08	3.42	2.27	3.53	2.61
10.0	2.51	1.41	2.84	1.61	2.99	1.85	3.20	2.08	3.42	2.27	3.53	2.61
15.0	2.51	1.41	2.84	1.61	2.99	1.85	3.20	2.08	3.42	2.27	3.53	2.61
20.0	2.51	1.41	2.84	1.61	2.99	1.85	3.20	2.08	3.42	2.27	3.53	2.61
25.0	2.51	1.41	2.84	1.61	2.99	1.85	3.20	2.08	3.42	2.27	3.53	2.61
30.0	2.51	1.41	2.84	1.61	2.99	1.85	3.20	2.08	3.42	2.27	3.53	2.61
35.0	2.51	1.41	2.84	1.61	2.99	1.85	3.20	2.08	3.42	2.27	3.53	2.61
40.0	1.97	0.87	2.23	1.00	2.35	1.15	2.52	1.29	2.69	1.41	2.78	1.61
46.0	1.44	0.46	1.63	0.53	1.72	0.61	1.84	0.69	1.96	0.75	2.02	0.86

Models: ASYG12KMTB and ASYG12KMCC

Outdoor temperature (°CDB)	Indoor temperature (°CDB / °CWB)											
	18.0 / 12.0		21.0 / 15.0		23.0 / 16.0		27.0 / 19.0		29.0 / 21.0		32.0 / 23.0	
TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	
-10.0	2.87	1.61	3.24	1.84	3.42	2.12	3.66	2.38	3.91	2.60	4.03	2.98
0.0	2.87	1.61	3.24	1.84	3.42	2.12	3.66	2.38	3.91	2.60	4.03	2.98
5.0	2.87	1.61	3.24	1.84	3.42	2.12	3.66	2.38	3.91	2.60	4.03	2.98
10.0	2.87	1.61	3.24	1.84	3.42	2.12	3.66	2.38	3.91	2.60	4.03	2.98
15.0	2.87	1.61	3.24	1.84	3.42	2.12	3.66	2.38	3.91	2.60	4.03	2.98
20.0	2.87	1.61	3.24	1.84	3.42	2.12	3.66	2.38	3.91	2.60	4.03	2.98
25.0	2.87	1.61	3.24	1.84	3.42	2.12	3.66	2.38	3.91	2.60	4.03	2.98
30.0	2.87	1.61	3.24	1.84	3.42	2.12	3.66	2.38	3.91	2.60	4.03	2.98
35.0	2.87	1.61	3.24	1.84	3.42	2.12	3.66	2.38	3.91	2.60	4.03	2.98
40.0	2.26	1.00	2.55	1.14	2.69	1.31	2.88	1.47	3.08	1.61	3.17	1.85
46.0	1.65	0.53	1.86	0.61	1.96	0.70	2.10	0.78	2.25	0.86	2.31	1.04

Models: ASYG14KMTB and ASYG14KMCC

Outdoor temperature (°CDB)	Indoor temperature (°CDB / °CWB)											
	18.0 / 12.0		21.0 / 15.0		23.0 / 16.0		27.0 / 19.0		29.0 / 21.0		32.0 / 23.0	
TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	
-10.0	3.03	1.71	3.43	1.94	3.61	2.24	3.87	2.52	4.14	2.75	4.26	3.15
0.0	3.03	1.71	3.43	1.94	3.61	2.24	3.87	2.52	4.14	2.75	4.26	3.15
5.0	3.03	1.71	3.43	1.94	3.61	2.24	3.87	2.52	4.14	2.75	4.26	3.15
10.0	3.03	1.71	3.43	1.94	3.61	2.24	3.87	2.52	4.14	2.75	4.26	3.15
15.0	3.03	1.71	3.43	1.94	3.61	2.24	3.87	2.52	4.14	2.75	4.26	3.15
20.0	3.03	1.71	3.43	1.94	3.61	2.24	3.87	2.52	4.14	2.75	4.26	3.15
25.0	3.03	1.71	3.43	1.94	3.61	2.24	3.87	2.52	4.14	2.75	4.26	3.15
30.0	3.03	1.71	3.43	1.94	3.61	2.24	3.87	2.52	4.14	2.75	4.26	3.15
35.0	3.03	1.71	3.43	1.94	3.61	2.24	3.87	2.52	4.14	2.75	4.26	3.15
40.0	2.39	1.06	2.70	1.20	2.84	1.39	3.05	1.56	3.26	1.70	3.36	1.95
46.0	1.74	0.56	1.97	0.64	2.07	0.74	2.22	0.83	2.37	0.91	2.45	1.04

Model: ASYG07KETA, ASYG07KETA-B

Outdoor temperature (°CDB)	Indoor temperature (°CDB / °CWB)											
	18.0 / 12.0		21.0 / 15.0		23.0 / 16.0		27.0 / 19.0		29.0 / 21.0		32.0 / 23.0	
TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	
-10.0	1.96	1.10	2.22	1.26	2.34	1.45	2.50	1.63	2.67	1.78	2.76	2.04
0.0	1.96	1.10	2.22	1.26	2.34	1.45	2.50	1.63	2.67	1.78	2.76	2.04
5.0	1.96	1.10	2.22	1.26	2.34	1.45	2.50	1.63	2.67	1.78	2.76	2.04
10.0	1.96	1.10	2.22	1.26	2.34	1.45	2.50	1.63	2.67	1.78	2.76	2.04
15.0	1.96	1.10	2.22	1.26	2.34	1.45	2.50	1.63	2.67	1.78	2.76	2.04
20.0	1.96	1.10	2.22	1.26	2.34	1.45	2.50	1.63	2.67	1.78	2.76	2.04
25.0	1.96	1.10	2.22	1.26	2.34	1.45	2.50	1.63	2.67	1.78	2.76	2.04
30.0	1.96	1.10	2.22	1.26	2.34	1.45	2.50	1.63	2.67	1.78	2.76	2.04
35.0	1.96	1.10	2.22	1.26	2.34	1.45	2.50	1.63	2.67	1.78	2.76	2.04
40.0	1.54	0.68	1.74	0.78	1.84	0.90	1.97	1.01	2.10	1.10	2.17	1.26
46.0	1.12	0.36	1.27	0.41	1.34	0.48	1.43	0.54	1.53	0.59	1.58	0.67

Model: ASYG09KETA, ASYG09KETA-B

Outdoor temperature (°CDB)	Indoor temperature (°CDB / °CWB)											
	18.0 / 12.0		21.0 / 15.0		23.0 / 16.0		27.0 / 19.0		29.0 / 21.0		32.0 / 23.0	
TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	
-10.0	2.51	1.41	2.84	1.61	2.99	1.85	3.20	2.08	3.42	2.27	3.53	2.61
0.0	2.51	1.41	2.84	1.61	2.99	1.85	3.20	2.08	3.42	2.27	3.53	2.61
5.0	2.51	1.41	2.84	1.61	2.99	1.85	3.20	2.08	3.42	2.27	3.53	2.61
10.0	2.51	1.41	2.84	1.61	2.99	1.85	3.20	2.08	3.42	2.27	3.53	2.61
15.0	2.51	1.41	2.84	1.61	2.99	1.85	3.20	2.08	3.42	2.27	3.53	2.61
20.0	2.51	1.41	2.84	1.61	2.99	1.85	3.20	2.08	3.42	2.27	3.53	2.61
25.0	2.51	1.41	2.84	1.61	2.99	1.85	3.20	2.08	3.42	2.27	3.53	2.61
30.0	2.51	1.41	2.84	1.61	2.99	1.85	3.20	2.08	3.42	2.27	3.53	2.61
35.0	2.51	1.41	2.84	1.61	2.99	1.85	3.20	2.08	3.42	2.27	3.53	2.61
40.0	1.97	0.87	2.23	1.00	2.35	1.15	2.52	1.29	2.69	1.41	2.78	1.61
46.0	1.44	0.46	1.63	0.53	1.72	0.61	1.84	0.69	1.96	0.75	2.02	0.86

Model: ASYG12KETA, ASYG12KETA-B

Outdoor temperature (°CDB)	Indoor temperature (°CDB / °CWB)											
	18.0 / 12.0		21.0 / 15.0		23.0 / 16.0		27.0 / 19.0		29.0 / 21.0		32.0 / 23.0	
TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	
-10.0	2.87	1.61	3.24	1.84	3.42	2.12	3.66	2.38	3.91	2.60	4.03	2.98
0.0	2.87	1.61	3.24	1.84	3.42	2.12	3.66	2.38	3.91	2.60	4.03	2.98
5.0	2.87	1.61	3.24	1.84	3.42	2.12	3.66	2.38	3.91	2.60	4.03	2.98
10.0	2.87	1.61	3.24	1.84	3.42	2.12	3.66	2.38	3.91	2.60	4.03	2.98
15.0	2.87	1.61	3.24	1.84	3.42	2.12	3.66	2.38	3.91	2.60	4.03	2.98
20.0	2.87	1.61	3.24	1.84	3.42	2.12	3.66	2.38	3.91	2.60	4.03	2.98
25.0	2.87	1.61	3.24	1.84	3.42	2.12	3.66	2.38	3.91	2.60	4.03	2.98
30.0	2.87	1.61	3.24	1.84	3.42	2.12	3.66	2.38	3.91	2.60	4.03	2.98
35.0	2.87	1.61	3.24	1.84	3.42	2.12	3.66	2.38	3.91	2.60	4.03	2.98
40.0	2.26	1.00	2.55	1.14	2.69	1.31	2.88	1.47	3.08	1.61	3.17	1.85
46.0	1.65	0.53	1.86	0.61	1.96	0.70	2.10	0.78	2.25	0.86	2.31	1.04

NOTES:

- TC: Total Capacity (kW), SHC: Sensible Heat Capacity (kW)
- Values mentioned in the table are based on the following conditions:
 - Pipe length: 5 m, Height difference: 0 m (Outdoor unit—Indoor unit)

6-3. Heating capacity

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

■ Model: AOYG14KBTA2

Indoor unit connecting capacity	Outdoor temperature	Indoor temperature										
		16.0 °CDB		18.0 °CDB		20.0 °CDB		22.0 °CDB		24.0 °CDB		
kBtu/h	°CDB	°CWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
21	-15.0	-16.0	3.30	1.34	3.30	1.37	3.20	1.40	3.10	1.43	3.00	1.46
	-10.0	-11.0	3.80	1.39	3.70	1.42	3.60	1.45	3.50	1.48	3.40	1.51
	-5.0	-7.0	4.20	1.44	4.10	1.47	4.00	1.50	3.90	1.53	3.80	1.56
	0.0	-2.0	5.30	1.46	5.20	1.49	5.10	1.52	4.90	1.55	4.80	1.58
	5.0	3.0	5.70	1.47	5.60	1.50	5.50	1.53	5.30	1.56	5.20	1.59
	7.0	6.0	5.80	1.63	5.60	1.67	5.50	1.70	5.40	1.73	5.20	1.77
	10.0	8.0	5.80	1.32	5.60	1.34	5.50	1.37	5.40	1.40	5.20	1.43
	15.0	10.0	5.80	1.20	5.60	1.23	5.50	1.25	5.40	1.28	5.20	1.30
	20.0	15.0	5.80	0.94	5.60	0.96	5.50	0.98	5.40	1.00	5.20	1.02
	24.0	18.0	5.80	0.84	5.60	0.86	5.50	0.88	5.40	0.89	5.20	0.91
19	-15.0	-16.0	3.30	1.34	3.30	1.37	3.20	1.40	3.10	1.43	3.00	1.46
	-10.0	-11.0	3.80	1.39	3.70	1.42	3.60	1.45	3.50	1.48	3.40	1.51
	-5.0	-7.0	4.20	1.44	4.10	1.47	4.00	1.50	3.90	1.53	3.80	1.56
	0.0	-2.0	5.30	1.46	5.20	1.49	5.10	1.52	4.90	1.55	4.80	1.58
	5.0	3.0	5.70	1.47	5.60	1.50	5.50	1.53	5.30	1.56	5.20	1.59
	7.0	6.0	5.80	1.63	5.60	1.67	5.50	1.70	5.40	1.73	5.20	1.77
	10.0	8.0	5.80	1.32	5.60	1.34	5.50	1.37	5.40	1.40	5.20	1.43
	15.0	10.0	5.80	1.20	5.60	1.23	5.50	1.25	5.40	1.28	5.20	1.30
	20.0	15.0	5.80	0.94	5.60	0.96	5.50	0.98	5.40	1.00	5.20	1.02
	24.0	18.0	5.80	0.84	5.60	0.86	5.50	0.88	5.40	0.89	5.20	0.91
18	-15.0	-16.0	3.30	1.34	3.30	1.37	3.20	1.40	3.10	1.43	3.00	1.46
	-10.0	-11.0	3.80	1.39	3.70	1.42	3.60	1.45	3.50	1.48	3.40	1.51
	-5.0	-7.0	4.20	1.44	4.10	1.47	4.00	1.50	3.90	1.53	3.80	1.56
	0.0	-2.0	5.30	1.46	5.20	1.49	5.10	1.52	4.90	1.55	4.80	1.58
	5.0	3.0	5.70	1.47	5.60	1.50	5.50	1.53	5.30	1.56	5.20	1.59
	7.0	6.0	5.80	1.63	5.60	1.67	5.50	1.70	5.40	1.73	5.20	1.77
	10.0	8.0	5.80	1.32	5.60	1.34	5.50	1.37	5.40	1.40	5.20	1.43
	15.0	10.0	5.80	1.20	5.60	1.23	5.50	1.25	5.40	1.28	5.20	1.30
	20.0	15.0	5.80	0.94	5.60	0.96	5.50	0.98	5.40	1.00	5.20	1.02
	24.0	18.0	5.80	0.84	5.60	0.86	5.50	0.88	5.40	0.89	5.20	0.91
16	-15.0	-16.0	3.30	1.34	3.30	1.37	3.20	1.40	3.10	1.43	3.00	1.46
	-10.0	-11.0	3.80	1.39	3.70	1.42	3.60	1.45	3.50	1.48	3.40	1.51
	-5.0	-7.0	4.20	1.44	4.10	1.47	4.00	1.50	3.90	1.53	3.80	1.56
	0.0	-2.0	5.30	1.46	5.20	1.49	5.10	1.52	4.90	1.55	4.80	1.58
	5.0	3.0	5.70	1.47	5.60	1.50	5.50	1.53	5.30	1.56	5.20	1.59
	7.0	6.0	5.80	1.63	5.60	1.67	5.50	1.70	5.40	1.73	5.20	1.77
	10.0	8.0	5.80	1.32	5.60	1.34	5.50	1.37	5.40	1.40	5.20	1.43
	15.0	10.0	5.80	1.20	5.60	1.23	5.50	1.25	5.40	1.28	5.20	1.30
	20.0	15.0	5.80	0.94	5.60	0.96	5.50	0.98	5.40	1.00	5.20	1.02
	24.0	18.0	5.80	0.84	5.60	0.86	5.50	0.88	5.40	0.89	5.20	0.91
14	-15.0	-16.0	3.30	1.34	3.30	1.36	3.20	1.39	3.10	1.42	3.00	1.45
	-10.0	-11.0	3.80	1.39	3.70	1.42	3.60	1.45	3.50	1.47	3.40	1.50
	-5.0	-7.0	4.20	1.44	4.10	1.47	4.00	1.50	3.90	1.53	3.80	1.56
	0.0	-2.0	5.30	1.45	5.20	1.48	5.10	1.51	4.90	1.54	4.80	1.57
	5.0	3.0	5.70	1.46	5.60	1.49	5.50	1.52	5.30	1.55	5.20	1.58
	7.0	6.0	5.80	1.63	5.60	1.67	5.50	1.70	5.40	1.73	5.20	1.77
	10.0	8.0	5.80	1.32	5.60	1.34	5.50	1.37	5.40	1.40	5.20	1.43
	15.0	10.0	5.80	1.20	5.60	1.23	5.50	1.25	5.40	1.28	5.20	1.30
	20.0	15.0	5.80	0.94	5.60	0.96	5.50	0.98	5.40	1.00	5.20	1.02
	24.0	18.0	5.80	0.84	5.60	0.86	5.50	0.88	5.40	0.89	5.20	0.91

NOTES:

- TC: Total Capacity (kW), IP: Input Power (kW)
- Values mentioned in the table are based on the following conditions:
 - Power source of specifications: 230 V
 - Pipe length: 5 m, Height difference: 0 m (Outdoor unit—Indoor unit)
- 2 or more indoor units should be connected.
- The total ability of connected a indoor unit is from 14,000 Btu/h up to 21,000 Btu/h.
- Input in the table are calculated based on the maximum indoor unit input combinations.

● Compact cassette type

Model: AUXG07KVLA

Outdoor temperature		Indoor temperature (°CDB)				
		16.0	18.0	20.0	22.0	24.0
(°CDB)	(°CWB)	TC	TC	TC	TC	TC
-15.0	-16.0	1.67	1.63	1.59	1.55	1.51
-10.0	-11.0	1.88	1.84	1.79	1.75	1.70
-5.0	-7.0	2.10	2.05	2.00	1.95	1.90
0.0	-2.0	2.66	2.60	2.54	2.47	2.41
5.0	3.0	2.87	2.80	2.73	2.67	2.60
7.0	6.0	2.89	2.82	2.75	2.68	2.61
10.0	8.0	2.89	2.82	2.75	2.68	2.61
15.0	10.0	2.89	2.82	2.75	2.68	2.61
20.0	15.0	2.89	2.82	2.75	2.68	2.61
24.0	18.0	2.89	2.82	2.75	2.68	2.61

Model: AUXG09KVLA

Outdoor temperature		Indoor temperature (°CDB)				
		16.0	18.0	20.0	22.0	24.0
(°CDB)	(°CWB)	TC	TC	TC	TC	TC
-15.0	-16.0	1.87	1.83	1.79	1.74	1.70
-10.0	-11.0	2.12	2.07	2.02	1.96	1.91
-5.0	-7.0	2.36	2.30	2.24	2.19	2.13
0.0	-2.0	2.99	2.92	2.85	2.78	2.71
5.0	3.0	3.23	3.15	3.07	3.00	2.92
7.0	6.0	3.24	3.17	3.09	3.01	2.94
10.0	8.0	3.24	3.17	3.09	3.01	2.94
15.0	10.0	3.24	3.17	3.09	3.01	2.94
20.0	15.0	3.24	3.17	3.09	3.01	2.94
24.0	18.0	3.24	3.17	3.09	3.01	2.94

Model: AUXG12KVLA

Outdoor temperature		Indoor temperature (°CDB)				
		16.0	18.0	20.0	22.0	24.0
(°CDB)	(°CWB)	TC	TC	TC	TC	TC
-15.0	-16.0	2.11	2.06	2.01	1.95	1.90
-10.0	-11.0	2.38	2.32	2.26	2.21	2.15
-5.0	-7.0	2.65	2.58	2.52	2.46	2.39
0.0	-2.0	3.36	3.28	3.20	3.12	3.04
5.0	3.0	3.62	3.54	3.45	3.36	3.28
7.0	6.0	3.64	3.56	3.47	3.38	3.30
10.0	8.0	3.64	3.56	3.47	3.38	3.30
15.0	10.0	3.64	3.56	3.47	3.38	3.30
20.0	15.0	3.64	3.56	3.47	3.38	3.30
24.0	18.0	3.64	3.56	3.47	3.38	3.30

NOTES:

- TC: Total Capacity (kW)
- Values mentioned in the table are based on the following conditions:
 - Pipe length: 5 m, Height difference: 0 m (Outdoor unit—Indoor unit)

● Mini duct type

Model: ARXG07KSLAP

Outdoor temperature		Indoor temperature (°CDB)				
		16.0	18.0	20.0	22.0	24.0
(°CDB)	(°CWB)	TC	TC	TC	TC	TC
-15.0	-16.0	1.67	1.63	1.59	1.55	1.51
-10.0	-11.0	1.88	1.84	1.79	1.75	1.70
-5.0	-7.0	2.10	2.05	2.00	1.95	1.90
0.0	-2.0	2.66	2.60	2.54	2.47	2.41
5.0	3.0	2.87	2.80	2.73	2.67	2.60
7.0	6.0	2.89	2.82	2.75	2.68	2.61
10.0	8.0	2.89	2.82	2.75	2.68	2.61
15.0	10.0	2.89	2.82	2.75	2.68	2.61
20.0	15.0	2.89	2.82	2.75	2.68	2.61
24.0	18.0	2.89	2.82	2.75	2.68	2.61

Model: ARXG09KSLAP

Outdoor temperature		Indoor temperature (°CDB)				
		16.0	18.0	20.0	22.0	24.0
(°CDB)	(°CWB)	TC	TC	TC	TC	TC
-15.0	-16.0	1.87	1.83	1.79	1.74	1.70
-10.0	-11.0	2.12	2.07	2.02	1.96	1.91
-5.0	-7.0	2.36	2.30	2.24	2.19	2.13
0.0	-2.0	2.99	2.92	2.85	2.78	2.71
5.0	3.0	3.23	3.15	3.07	3.00	2.92
7.0	6.0	3.24	3.17	3.09	3.01	2.94
10.0	8.0	3.24	3.17	3.09	3.01	2.94
15.0	10.0	3.24	3.17	3.09	3.01	2.94
20.0	15.0	3.24	3.17	3.09	3.01	2.94
24.0	18.0	3.24	3.17	3.09	3.01	2.94

Model: ARXG12KSLAP

Outdoor temperature		Indoor temperature (°CDB)				
		16.0	18.0	20.0	22.0	24.0
(°CDB)	(°CWB)	TC	TC	TC	TC	TC
-15.0	-16.0	2.11	2.06	2.01	1.95	1.90
-10.0	-11.0	2.38	2.32	2.26	2.21	2.15
-5.0	-7.0	2.65	2.58	2.52	2.46	2.39
0.0	-2.0	3.36	3.28	3.20	3.12	3.04
5.0	3.0	3.62	3.54	3.45	3.36	3.28
7.0	6.0	3.64	3.56	3.47	3.38	3.30
10.0	8.0	3.64	3.56	3.47	3.38	3.30
15.0	10.0	3.64	3.56	3.47	3.38	3.30
20.0	15.0	3.64	3.56	3.47	3.38	3.30
24.0	18.0	3.64	3.56	3.47	3.38	3.30

NOTES:

- TC: Total Capacity (kW)
- Values mentioned in the table are based on the following conditions:
 - Pipe length: 5 m, Height difference: 0 m [Outdoor unit—Indoor unit]

● Slim duct type

Model: ARXG07KLLAP

Outdoor temperature		Indoor temperature (°CDB)				
		16.0	18.0	20.0	22.0	24.0
(°CDB)	(°CWB)	TC	TC	TC	TC	TC
-15.0	-16.0	1.67	1.63	1.59	1.55	1.51
-10.0	-11.0	1.88	1.84	1.79	1.75	1.70
-5.0	-7.0	2.10	2.05	2.00	1.95	1.90
0.0	-2.0	2.66	2.60	2.54	2.47	2.41
5.0	3.0	2.87	2.80	2.73	2.67	2.60
7.0	6.0	2.89	2.82	2.75	2.68	2.61
10.0	8.0	2.89	2.82	2.75	2.68	2.61
15.0	10.0	2.89	2.82	2.75	2.68	2.61
20.0	15.0	2.89	2.82	2.75	2.68	2.61
24.0	18.0	2.89	2.82	2.75	2.68	2.61

Model: ARXG09KLLAP

Outdoor temperature		Indoor temperature (°CDB)				
		16.0	18.0	20.0	22.0	24.0
(°CDB)	(°CWB)	TC	TC	TC	TC	TC
-15.0	-16.0	1.87	1.83	1.79	1.74	1.70
-10.0	-11.0	2.12	2.07	2.02	1.96	1.91
-5.0	-7.0	2.36	2.30	2.24	2.19	2.13
0.0	-2.0	2.99	2.92	2.85	2.78	2.71
5.0	3.0	3.23	3.15	3.07	3.00	2.92
7.0	6.0	3.24	3.17	3.09	3.01	2.94
10.0	8.0	3.24	3.17	3.09	3.01	2.94
15.0	10.0	3.24	3.17	3.09	3.01	2.94
20.0	15.0	3.24	3.17	3.09	3.01	2.94
24.0	18.0	3.24	3.17	3.09	3.01	2.94

Model: ARXG12KLLAP

Outdoor temperature		Indoor temperature (°CDB)				
		16.0	18.0	20.0	22.0	24.0
(°CDB)	(°CWB)	TC	TC	TC	TC	TC
-15.0	-16.0	2.11	2.06	2.01	1.95	1.90
-10.0	-11.0	2.38	2.32	2.26	2.21	2.15
-5.0	-7.0	2.65	2.58	2.52	2.46	2.39
0.0	-2.0	3.36	3.28	3.20	3.12	3.04
5.0	3.0	3.62	3.54	3.45	3.36	3.28
7.0	6.0	3.64	3.56	3.47	3.38	3.30
10.0	8.0	3.64	3.56	3.47	3.38	3.30
15.0	10.0	3.64	3.56	3.47	3.38	3.30
20.0	15.0	3.64	3.56	3.47	3.38	3.30
24.0	18.0	3.64	3.56	3.47	3.38	3.30

NOTES:

- TC: Total Capacity (kW)
- Values mentioned in the table are based on the following conditions:
 - Pipe length: 5 m, Height difference: 0 m (Outdoor unit—Indoor unit)

● Wall mounted type

Model: ASYG07KGTB

Outdoor temperature		Indoor temperature (°CDB)				
		16.0	18.0	20.0	22.0	24.0
(°CDB)	(°CWB)	TC	TC	TC	TC	TC
-15.0	-16.0	1.67	1.63	1.59	1.55	1.51
-10.0	-11.0	1.88	1.84	1.79	1.75	1.70
-5.0	-7.0	2.10	2.05	2.00	1.95	1.90
0.0	-2.0	2.66	2.60	2.54	2.47	2.41
5.0	3.0	2.87	2.80	2.73	2.67	2.60
7.0	6.0	2.89	2.82	2.75	2.68	2.61
10.0	8.0	2.89	2.82	2.75	2.68	2.61
15.0	10.0	2.89	2.82	2.75	2.68	2.61
20.0	15.0	2.89	2.82	2.75	2.68	2.61
24.0	18.0	2.89	2.82	2.75	2.68	2.61

Model: ASYG09KGTB

Outdoor temperature		Indoor temperature (°CDB)				
		16.0	18.0	20.0	22.0	24.0
(°CDB)	(°CWB)	TC	TC	TC	TC	TC
-15.0	-16.0	1.87	1.83	1.79	1.74	1.70
-10.0	-11.0	2.12	2.07	2.02	1.96	1.91
-5.0	-7.0	2.36	2.30	2.24	2.19	2.13
0.0	-2.0	2.99	2.92	2.85	2.78	2.71
5.0	3.0	3.23	3.15	3.07	3.00	2.92
7.0	6.0	3.24	3.17	3.09	3.01	2.94
10.0	8.0	3.24	3.17	3.09	3.01	2.94
15.0	10.0	3.24	3.17	3.09	3.01	2.94
20.0	15.0	3.24	3.17	3.09	3.01	2.94
24.0	18.0	3.24	3.17	3.09	3.01	2.94

Model: ASYG12KGTB

Outdoor temperature		Indoor temperature (°CDB)				
		16.0	18.0	20.0	22.0	24.0
(°CDB)	(°CWB)	TC	TC	TC	TC	TC
-15.0	-16.0	2.11	2.06	2.01	1.95	1.90
-10.0	-11.0	2.38	2.32	2.26	2.21	2.15
-5.0	-7.0	2.65	2.58	2.52	2.46	2.39
0.0	-2.0	3.36	3.28	3.20	3.12	3.04
5.0	3.0	3.62	3.54	3.45	3.36	3.28
7.0	6.0	3.64	3.56	3.47	3.38	3.30
10.0	8.0	3.64	3.56	3.47	3.38	3.30
15.0	10.0	3.64	3.56	3.47	3.38	3.30
20.0	15.0	3.64	3.56	3.47	3.38	3.30
24.0	18.0	3.64	3.56	3.47	3.38	3.30

Models: ASYG07KMTB and ASYG07KMCC

Outdoor temperature		Indoor temperature (°CDB)				
		16.0	18.0	20.0	22.0	24.0
(°CDB)	(°CWB)	TC	TC	TC	TC	TC
-15.0	-16.0	1.67	1.63	1.59	1.55	1.51
-10.0	-11.0	1.88	1.84	1.79	1.75	1.70
-5.0	-7.0	2.10	2.05	2.00	1.95	1.90
0.0	-2.0	2.66	2.60	2.54	2.47	2.41
5.0	3.0	2.87	2.80	2.73	2.67	2.60
7.0	6.0	2.89	2.82	2.75	2.68	2.61
10.0	8.0	2.89	2.82	2.75	2.68	2.61
15.0	10.0	2.89	2.82	2.75	2.68	2.61
20.0	15.0	2.89	2.82	2.75	2.68	2.61
24.0	18.0	2.89	2.82	2.75	2.68	2.61

Models: ASYG09KMTB and ASYG09KMCC

Outdoor temperature		Indoor temperature (°CDB)				
		16.0	18.0	20.0	22.0	24.0
(°CDB)	(°CWB)	TC	TC	TC	TC	TC
-15.0	-16.0	1.87	1.83	1.79	1.74	1.70
-10.0	-11.0	2.12	2.07	2.02	1.96	1.91
-5.0	-7.0	2.36	2.30	2.24	2.19	2.13
0.0	-2.0	2.99	2.92	2.85	2.78	2.71
5.0	3.0	3.23	3.15	3.07	3.00	2.92
7.0	6.0	3.24	3.17	3.09	3.01	2.94
10.0	8.0	3.24	3.17	3.09	3.01	2.94
15.0	10.0	3.24	3.17	3.09	3.01	2.94
20.0	15.0	3.24	3.17	3.09	3.01	2.94
24.0	18.0	3.24	3.17	3.09	3.01	2.94

Models: ASYG12KMTB and ASYG12KMCC

Outdoor temperature		Indoor temperature (°CDB)				
		16.0	18.0	20.0	22.0	24.0
(°CDB)	(°CWB)	TC	TC	TC	TC	TC
-15.0	-16.0	2.11	2.06	2.01	1.95	1.90
-10.0	-11.0	2.38	2.32	2.26	2.21	2.15
-5.0	-7.0	2.65	2.58	2.52	2.46	2.39
0.0	-2.0	3.36	3.28	3.20	3.12	3.04
5.0	3.0	3.62	3.54	3.45	3.36	3.28
7.0	6.0	3.64	3.56	3.47	3.38	3.30
10.0	8.0	3.64	3.56	3.47	3.38	3.30
15.0	10.0	3.64	3.56	3.47	3.38	3.30
20.0	15.0	3.64	3.56	3.47	3.38	3.30
24.0	18.0	3.64	3.56	3.47	3.38	3.30

Model: ASYG07KETA, ASYG07KETA-B

Outdoor temperature		Indoor temperature (°CDB)				
		16.0	18.0	20.0	22.0	24.0
(°CDB)	(°CWB)	TC	TC	TC	TC	TC
-15.0	-16.0	1.67	1.63	1.59	1.55	1.51
-10.0	-11.0	1.88	1.84	1.79	1.75	1.70
-5.0	-7.0	2.10	2.05	2.00	1.95	1.90
0.0	-2.0	2.66	2.60	2.54	2.47	2.41
5.0	3.0	2.87	2.80	2.73	2.67	2.60
7.0	6.0	2.89	2.82	2.75	2.68	2.61
10.0	8.0	2.89	2.82	2.75	2.68	2.61
15.0	10.0	2.89	2.82	2.75	2.68	2.61
20.0	15.0	2.89	2.82	2.75	2.68	2.61
24.0	18.0	2.89	2.82	2.75	2.68	2.61

Model: ASYG09KETA, ASYG09KETA-B

Outdoor temperature		Indoor temperature (°CDB)				
		16.0	18.0	20.0	22.0	24.0
(°CDB)	(°CWB)	TC	TC	TC	TC	TC
-15.0	-16.0	1.87	1.83	1.79	1.74	1.70
-10.0	-11.0	2.12	2.07	2.02	1.96	1.91
-5.0	-7.0	2.36	2.30	2.24	2.19	2.13
0.0	-2.0	2.99	2.92	2.85	2.78	2.71
5.0	3.0	3.23	3.15	3.07	3.00	2.92
7.0	6.0	3.24	3.17	3.09	3.01	2.94
10.0	8.0	3.24	3.17	3.09	3.01	2.94
15.0	10.0	3.24	3.17	3.09	3.01	2.94
20.0	15.0	3.24	3.17	3.09	3.01	2.94
24.0	18.0	3.24	3.17	3.09	3.01	2.94

Model: ASYG12KETA, ASYG12KETA-B

Outdoor temperature		Indoor temperature (°CDB)				
		16.0	18.0	20.0	22.0	24.0
(°CDB)	(°CWB)	TC	TC	TC	TC	TC
-15.0	-16.0	2.11	2.06	2.01	1.95	1.90
-10.0	-11.0	2.38	2.32	2.26	2.21	2.15
-5.0	-7.0	2.65	2.58	2.52	2.46	2.39
0.0	-2.0	3.36	3.28	3.20	3.12	3.04
5.0	3.0	3.62	3.54	3.45	3.36	3.28
7.0	6.0	3.64	3.56	3.47	3.38	3.30
10.0	8.0	3.64	3.56	3.47	3.38	3.30
15.0	10.0	3.64	3.56	3.47	3.38	3.30
20.0	15.0	3.64	3.56	3.47	3.38	3.30
24.0	18.0	3.64	3.56	3.47	3.38	3.30

NOTES:

- TC: Total Capacity (kW)
- Values mentioned in the table are based on the following conditions:
 - Pipe length: 5 m, Height difference: 0 m (Outdoor unit—Indoor unit)

■ Model: AOYG18KBTA2

OUTDOOR UNIT
AOYG14-18KBTA2OUTDOOR UNIT
AOYG14-18KBTA2

Indoor unit connecting capacity	Outdoor temperature		Indoor temperature									
			16.0 °CDB		18.0 °CDB		20.0 °CDB		22.0 °CDB		24.0 °CDB	
	kBtu/h	°CDB	°CWB	TC	IP	TC	IP	TC	IP	TC	IP	TC
26	-15.0	-16.0	4.0	1.63	3.9	1.67	3.8	1.70	3.7	1.73	3.6	1.77
	-10.0	-11.0	4.6	1.68	4.4	1.72	4.3	1.75	4.2	1.79	4.1	1.82
	-5.0	-7.0	5.2	1.73	5.0	1.76	4.9	1.80	4.8	1.84	4.7	1.87
	0.0	-2.0	6.6	1.90	6.4	1.94	6.3	1.98	6.1	2.02	5.9	2.06
	5.0	3.0	7.4	1.90	7.2	1.94	7.0	1.98	6.8	2.02	6.7	2.06
	7.0	6.0	7.4	1.80	7.2	1.84	7.0	1.88	6.8	1.92	6.7	1.96
	10.0	8.0	7.4	1.69	7.2	1.73	7.0	1.77	6.8	1.80	6.7	1.84
	15.0	10.0	7.4	1.55	7.2	1.59	7.0	1.62	6.8	1.65	6.7	1.68
	20.0	15.0	7.4	1.31	7.2	1.34	7.0	1.37	6.8	1.40	6.7	1.42
24	24.0	18.0	7.4	1.15	7.2	1.18	7.0	1.20	6.8	1.23	6.7	1.25
	-15.0	-16.0	4.0	1.63	3.9	1.67	3.8	1.70	3.7	1.73	3.6	1.77
	-10.0	-11.0	4.6	1.68	4.4	1.72	4.3	1.75	4.2	1.79	4.1	1.82
	-5.0	-7.0	5.2	1.73	5.0	1.76	4.9	1.80	4.8	1.84	4.7	1.87
	0.0	-2.0	6.6	1.90	6.4	1.94	6.3	1.98	6.1	2.02	5.9	2.06
	5.0	3.0	7.4	1.90	7.2	1.94	7.0	1.98	6.8	2.02	6.7	2.06
	7.0	6.0	7.4	1.80	7.2	1.84	7.0	1.88	6.8	1.92	6.7	1.96
	10.0	8.0	7.4	1.69	7.2	1.73	7.0	1.77	6.8	1.80	6.7	1.84
	15.0	10.0	7.4	1.55	7.2	1.59	7.0	1.62	6.8	1.65	6.7	1.68
23	20.0	15.0	7.4	1.31	7.2	1.34	7.0	1.37	6.8	1.40	6.7	1.42
	24.0	18.0	7.4	1.15	7.2	1.18	7.0	1.20	6.8	1.23	6.7	1.25
	-15.0	-16.0	4.0	1.63	3.9	1.67	3.8	1.70	3.7	1.73	3.6	1.77
	-10.0	-11.0	4.6	1.68	4.4	1.72	4.3	1.75	4.2	1.79	4.1	1.82
	-5.0	-7.0	5.2	1.73	5.0	1.76	4.9	1.80	4.8	1.84	4.7	1.87
	0.0	-2.0	6.6	1.90	6.4	1.94	6.3	1.98	6.1	2.02	5.9	2.06
	5.0	3.0	7.4	1.90	7.2	1.94	7.0	1.98	6.8	2.02	6.7	2.06
	7.0	6.0	7.4	1.80	7.2	1.84	7.0	1.88	6.8	1.92	6.7	1.96
	10.0	8.0	7.4	1.69	7.2	1.73	7.0	1.77	6.8	1.80	6.7	1.84
21	15.0	10.0	7.4	1.55	7.2	1.59	7.0	1.62	6.8	1.65	6.7	1.68
	20.0	15.0	7.4	1.31	7.2	1.34	7.0	1.37	6.8	1.40	6.7	1.42
	24.0	18.0	7.4	1.15	7.2	1.18	7.0	1.20	6.8	1.23	6.7	1.25
	-15.0	-16.0	4.0	1.63	3.9	1.67	3.8	1.70	3.7	1.73	3.6	1.77
	-10.0	-11.0	4.6	1.68	4.4	1.72	4.3	1.75	4.2	1.79	4.1	1.82
	-5.0	-7.0	5.2	1.73	5.0	1.76	4.9	1.80	4.8	1.84	4.7	1.87
	0.0	-2.0	6.6	1.90	6.4	1.94	6.3	1.98	6.1	2.02	5.9	2.06
	5.0	3.0	7.4	1.90	7.2	1.94	7.0	1.98	6.8	2.02	6.7	2.06
	7.0	6.0	7.4	1.80	7.2	1.84	7.0	1.88	6.8	1.92	6.7	1.96
19	10.0	8.0	7.4	1.69	7.2	1.73	7.0	1.77	6.8	1.80	6.7	1.84
	15.0	10.0	7.4	1.55	7.2	1.59	7.0	1.62	6.8	1.65	6.7	1.68
	20.0	15.0	7.4	1.31	7.2	1.34	7.0	1.37	6.8	1.40	6.7	1.42
	24.0	18.0	7.4	1.15	7.2	1.18	7.0	1.20	6.8	1.23	6.7	1.25
	-15.0	-16.0	4.0	1.63	3.9	1.67	3.8	1.70	3.7	1.73	3.6	1.77
	-10.0	-11.0	4.6	1.68	4.4	1.72	4.3	1.75	4.2	1.79	4.1	1.82
	-5.0	-7.0	5.2	1.73	5.0	1.76	4.9	1.80	4.8	1.84	4.7	1.87
	0.0	-2.0	6.6	1.90	6.4	1.94	6.3	1.98	6.1	2.02	5.9	2.06
	5.0	3.0	7.4	1.90	7.2	1.94	7.0	1.98	6.8	2.02	6.7	2.06
18	7.0	6.0	7.4	1.80	7.2	1.84	7.0	1.88	6.8	1.92	6.7	1.96
	10.0	8.0	7.4	1.69	7.2	1.73	7.0	1.77	6.8	1.80	6.7	1.84
	15.0	10.0	7.4	1.55	7.2	1.59	7.0	1.62	6.8	1.65	6.7	1.68
	20.0	15.0	7.4	1.31	7.2	1.34	7.0	1.37	6.8	1.40	6.7	1.42
	24.0	18.0	7.4	1.15	7.2	1.18	7.0	1.20	6.8	1.23	6.7	1.25
	-15.0	-16.0	4.0	1.63	3.9	1.66	3.8	1.69	3.7	1.73	3.6	1.77
	-10.0	-11.0	4.6	1.68	4.4	1.72	4.3	1.75	4.2	1.79	4.1	1.82
	-5.0	-7.0	5.2	1.72	5.0	1.76	4.9	1.80	4.8	1.84	4.7	1.87
	0.0	-2.0	6.6	1.90	6.4	1.94	6.3	1.98	6.1	2.02	5.9	2.06
16	5.0	3.0	7.4	1.90	7.2	1.94	7.0	1.98	6.8	2.02	6.7	2.06
	7.0	6.0	7.4	1.80	7.2	1.84	7.0	1.88	6.8	1.92	6.7	1.96
	10.0	8.0	7.4	1.69	7.2	1.73	7.0	1.77	6.8	1.80	6.7	1.84
	15.0	10.0	7.4	1.55	7.2	1.59	7.0	1.62	6.8	1.65	6.7	1.68
	20.0	15.0	7.4	1.31	7.2	1.34	7.0	1.37	6.8	1.40	6.7	1.42
	24.0	18.0	7.4	1.15	7.2	1.18	7.0	1.20	6.8	1.23	6.7	1.25
	-15.0	-16.0	3.6	1.46	3.5	1.49	3.4	1.52	3.4	1.55	3.3	1.58
	-10.0	-11.0	4.2	1.50	4.1	1.53	4.0	1.56	3.9	1.59	3.8	1.62
	-5.0	-7.0	4.7	1.55	4.6	1.58	4.5	1.61	4.4	1.64	4.3	1.67
14	0.0	-2.0	6.0	1.70	5.9	1.73	5.7	1.77	5.6	1.81	5.4	1.84
	5.0	3.0	6.7	1.70	6.6	1.73	6.4	1.77	6.2	1.81	6.1	1.84
	7.0	6.0	6.7	1.61	6.6	1.65	6.4	1.68	6.2	1.71	6.1	1.75
	10.0	8.0	6.7	1.51	6.6	1.55	6.4	1.58	6.2	1.61	6.1	1.64
	15.0	10.0	6.7	1.39	6.6	1.42	6.4	1.45	6.2	1.48	6.1	1.50
	20.0	15.0	6.7	1.17	6.6	1.20	6.4	1.22	6.2	1.25	6.1	1.27
	24.0	18.0	6.7	1.03	6.6	1.05	6.4	1.07	6.2	1.09	6.1	1.12
	-15.0	-16.0	3.2	1.22	3.1	1.24	3.0	1.27	2.9	1.30	2.9	1.32
	-10.0	-11.0	3.6	1.26	3.6	1.28	3.5	1.31	3.4	1.34	3.3	1.36
14	-5.0	-7.0	4.1	1.30	4.0	1.32	3.9	1.35	3.8	1.38	3.7	1.40
	0.0	-2.0	5.3	1.43	5.1	1.46	5.0	1.49	4.9	1.52	4.8	1.55
	5.0	3.0	5.9	1.43	5.7	1.46	5.6	1.49	5.5	1.52	5.3	1.55
	7.0	6.0	5.9	1.35	5.7	1.38	5.6	1.41	5.5	1.44	5.3	1.47
	10.0	8.0	5.9	1.27	5.7	1.30	5.6	1.32	5.5	1.35	5.3	1.38
	15.0	10.0	5.9	1.17	5.7	1.19	5.6	1.21	5.5	1.24	5.3	1.26
	20.0	15.0	5.9	0.99	5.7	1.01	5.6	1.03	5.5	1.05	5.3	1.07
	24.0	18.0	5.9	0.86	5.7	0.88	5.6	0.90	5.5	0.92	5.3	0.94

NOTES:

- TC: Total Capacity (kW), IP: Input Power (kW)
- Values mentioned in the table are based on the following conditions:
 - Power source of specifications: 230 V
 - Pipe length: 5 m, Height difference: 0 m (Outdoor unit—Indoor unit)
- 2 or more indoor units should be connected.
- The total ability of connected a indoor unit is from 14,000 Btu/h up to 26,000 Btu/h.
- Input in the table are calculated based on the maximum indoor unit input combinations.

● Compact cassette type

Model: AUXG07KVLA

Outdoor temperature		Indoor temperature (°CDB)				
		16.0	18.0	20.0	22.0	24.0
(°CDB)	(°CWB)	TC	TC	TC	TC	TC
-15.0	-16.0	1.58	1.55	1.51	1.47	1.43
-10.0	-11.0	1.82	1.78	1.74	1.69	1.65
-5.0	-7.0	2.06	2.01	1.96	1.91	1.86
0.0	-2.0	2.63	2.56	2.50	2.44	2.38
5.0	3.0	2.94	2.87	2.80	2.73	2.66
7.0	6.0	2.94	2.87	2.80	2.73	2.66
10.0	8.0	2.94	2.87	2.80	2.73	2.66
15.0	10.0	2.94	2.87	2.80	2.73	2.66
20.0	15.0	2.94	2.87	2.80	2.73	2.66
24.0	18.0	2.94	2.87	2.80	2.73	2.66

Model: AUXG09KVLA

Outdoor temperature		Indoor temperature (°CDB)				
		16.0	18.0	20.0	22.0	24.0
(°CDB)	(°CWB)	TC	TC	TC	TC	TC
-15.0	-16.0	2.04	1.99	1.94	1.89	1.84
-10.0	-11.0	2.34	2.29	2.23	2.18	2.12
-5.0	-7.0	2.65	2.59	2.52	2.46	2.40
0.0	-2.0	3.38	3.30	3.22	3.14	3.06
5.0	3.0	3.78	3.69	3.60	3.51	3.42
7.0	6.0	3.78	3.69	3.60	3.51	3.42
10.0	8.0	3.78	3.69	3.60	3.51	3.42
15.0	10.0	3.78	3.69	3.60	3.51	3.42
20.0	15.0	3.78	3.69	3.60	3.51	3.42
24.0	18.0	3.78	3.69	3.60	3.51	3.42

Model: AUXG12KVLA

Outdoor temperature		Indoor temperature (°CDB)				
		16.0	18.0	20.0	22.0	24.0
(°CDB)	(°CWB)	TC	TC	TC	TC	TC
-15.0	-16.0	2.50	2.44	2.38	2.32	2.26
-10.0	-11.0	2.88	2.81	2.74	2.67	2.60
-5.0	-7.0	3.25	3.18	3.10	3.02	2.94
0.0	-2.0	4.15	4.05	3.95	3.85	3.75
5.0	3.0	4.64	4.53	4.42	4.31	4.20
7.0	6.0	4.64	4.53	4.42	4.31	4.20
10.0	8.0	4.64	4.53	4.42	4.31	4.20
15.0	10.0	4.64	4.53	4.42	4.31	4.20
20.0	15.0	4.64	4.53	4.42	4.31	4.20
24.0	18.0	4.64	4.53	4.42	4.31	4.20

Model: AUXG14KVLA

Outdoor temperature		Indoor temperature (°CDB)				
		16.0	18.0	20.0	22.0	24.0
(°CDB)	(°CWB)	TC	TC	TC	TC	TC
-15.0	-16.0	2.64	2.58	2.51	2.45	2.39
-10.0	-11.0	3.04	2.97	2.89	2.82	2.75
-5.0	-7.0	3.44	3.36	3.27	3.19	3.11
0.0	-2.0	4.38	4.28	4.17	4.07	3.96
5.0	3.0	4.90	4.79	4.67	4.55	4.44
7.0	6.0	4.90	4.79	4.67	4.55	4.44
10.0	8.0	4.90	4.79	4.67	4.55	4.44
15.0	10.0	4.90	4.79	4.67	4.55	4.44
20.0	15.0	4.90	4.79	4.67	4.55	4.44
24.0	18.0	4.90	4.79	4.67	4.55	4.44

NOTES:

- TC: Total Capacity (kW)
- Values mentioned in the table are based on the following conditions:
 - Pipe length: 5 m, Height difference: 0 m (Outdoor unit—Indoor unit)

● Mini duct type

Model: ARXG07KSLAP

Outdoor temperature		Indoor temperature (°CDB)				
		16.0	18.0	20.0	22.0	24.0
(°CDB)	(°CWB)	TC	TC	TC	TC	TC
-15.0	-16.0	1.58	1.55	1.51	1.47	1.43
-10.0	-11.0	1.82	1.78	1.74	1.69	1.65
-5.0	-7.0	2.06	2.01	1.96	1.91	1.86
0.0	-2.0	2.63	2.56	2.50	2.44	2.38
5.0	3.0	2.94	2.87	2.80	2.73	2.66
7.0	6.0	2.94	2.87	2.80	2.73	2.66
10.0	8.0	2.94	2.87	2.80	2.73	2.66
15.0	10.0	2.94	2.87	2.80	2.73	2.66
20.0	15.0	2.94	2.87	2.80	2.73	2.66
24.0	18.0	2.94	2.87	2.80	2.73	2.66

Model: ARXG09KSLAP

Outdoor temperature		Indoor temperature (°CDB)				
		16.0	18.0	20.0	22.0	24.0
(°CDB)	(°CWB)	TC	TC	TC	TC	TC
-15.0	-16.0	2.04	1.99	1.94	1.89	1.84
-10.0	-11.0	2.34	2.29	2.23	2.18	2.12
-5.0	-7.0	2.65	2.59	2.52	2.46	2.40
0.0	-2.0	3.38	3.30	3.22	3.14	3.06
5.0	3.0	3.78	3.69	3.60	3.51	3.42
7.0	6.0	3.78	3.69	3.60	3.51	3.42
10.0	8.0	3.78	3.69	3.60	3.51	3.42
15.0	10.0	3.78	3.69	3.60	3.51	3.42
20.0	15.0	3.78	3.69	3.60	3.51	3.42
24.0	18.0	3.78	3.69	3.60	3.51	3.42

Model: ARXG12KSLAP

Outdoor temperature		Indoor temperature (°CDB)				
		16.0	18.0	20.0	22.0	24.0
(°CDB)	(°CWB)	TC	TC	TC	TC	TC
-15.0	-16.0	2.50	2.44	2.38	2.32	2.26
-10.0	-11.0	2.88	2.81	2.74	2.67	2.60
-5.0	-7.0	3.25	3.18	3.10	3.02	2.94
0.0	-2.0	4.15	4.05	3.95	3.85	3.75
5.0	3.0	4.64	4.53	4.42	4.31	4.20
7.0	6.0	4.64	4.53	4.42	4.31	4.20
10.0	8.0	4.64	4.53	4.42	4.31	4.20
15.0	10.0	4.64	4.53	4.42	4.31	4.20
20.0	15.0	4.64	4.53	4.42	4.31	4.20
24.0	18.0	4.64	4.53	4.42	4.31	4.20

Model: ARXG14KSLAP

Outdoor temperature		Indoor temperature (°CDB)				
		16.0	18.0	20.0	22.0	24.0
(°CDB)	(°CWB)	TC	TC	TC	TC	TC
-15.0	-16.0	2.64	2.58	2.51	2.45	2.39
-10.0	-11.0	3.04	2.97	2.89	2.82	2.75
-5.0	-7.0	3.44	3.36	3.27	3.19	3.11
0.0	-2.0	4.38	4.28	4.17	4.07	3.96
5.0	3.0	4.90	4.79	4.67	4.55	4.44
7.0	6.0	4.90	4.79	4.67	4.55	4.44
10.0	8.0	4.90	4.79	4.67	4.55	4.44
15.0	10.0	4.90	4.79	4.67	4.55	4.44
20.0	15.0	4.90	4.79	4.67	4.55	4.44
24.0	18.0	4.90	4.79	4.67	4.55	4.44

NOTES:

- TC: Total Capacity (kW)
- Values mentioned in the table are based on the following conditions:
 - Pipe length: 5 m, Height difference: 0 m [Outdoor unit—Indoor unit]

● Slim duct type

Model: ARXG07KLLAP

Outdoor temperature		Indoor temperature (°CDB)				
		16.0	18.0	20.0	22.0	24.0
(°CDB)	(°CWB)	TC	TC	TC	TC	TC
-15.0	-16.0	1.58	1.55	1.51	1.47	1.43
-10.0	-11.0	1.82	1.78	1.74	1.69	1.65
-5.0	-7.0	2.06	2.01	1.96	1.91	1.86
0.0	-2.0	2.63	2.56	2.50	2.44	2.38
5.0	3.0	2.94	2.87	2.80	2.73	2.66
7.0	6.0	2.94	2.87	2.80	2.73	2.66
10.0	8.0	2.94	2.87	2.80	2.73	2.66
15.0	10.0	2.94	2.87	2.80	2.73	2.66
20.0	15.0	2.94	2.87	2.80	2.73	2.66
24.0	18.0	2.94	2.87	2.80	2.73	2.66

Model: ARXG09KLLAP

Outdoor temperature		Indoor temperature (°CDB)				
		16.0	18.0	20.0	22.0	24.0
(°CDB)	(°CWB)	TC	TC	TC	TC	TC
-15.0	-16.0	2.04	1.99	1.94	1.89	1.84
-10.0	-11.0	2.34	2.29	2.23	2.18	2.12
-5.0	-7.0	2.65	2.59	2.52	2.46	2.40
0.0	-2.0	3.38	3.30	3.22	3.14	3.06
5.0	3.0	3.78	3.69	3.60	3.51	3.42
7.0	6.0	3.78	3.69	3.60	3.51	3.42
10.0	8.0	3.78	3.69	3.60	3.51	3.42
15.0	10.0	3.78	3.69	3.60	3.51	3.42
20.0	15.0	3.78	3.69	3.60	3.51	3.42
24.0	18.0	3.78	3.69	3.60	3.51	3.42

Model: ARXG12KLLAP

Outdoor temperature		Indoor temperature (°CDB)				
		16.0	18.0	20.0	22.0	24.0
(°CDB)	(°CWB)	TC	TC	TC	TC	TC
-15.0	-16.0	2.50	2.44	2.38	2.32	2.26
-10.0	-11.0	2.88	2.81	2.74	2.67	2.60
-5.0	-7.0	3.25	3.18	3.10	3.02	2.94
0.0	-2.0	4.15	4.05	3.95	3.85	3.75
5.0	3.0	4.64	4.53	4.42	4.31	4.20
7.0	6.0	4.64	4.53	4.42	4.31	4.20
10.0	8.0	4.64	4.53	4.42	4.31	4.20
15.0	10.0	4.64	4.53	4.42	4.31	4.20
20.0	15.0	4.64	4.53	4.42	4.31	4.20
24.0	18.0	4.64	4.53	4.42	4.31	4.20

Model: ARXG14KLLAP

Outdoor temperature		Indoor temperature (°CDB)				
		16.0	18.0	20.0	22.0	24.0
(°CDB)	(°CWB)	TC	TC	TC	TC	TC
-15.0	-16.0	2.64	2.58	2.51	2.45	2.39
-10.0	-11.0	3.04	2.97	2.89	2.82	2.75
-5.0	-7.0	3.44	3.36	3.27	3.19	3.11
0.0	-2.0	4.38	4.28	4.17	4.07	3.96
5.0	3.0	4.90	4.79	4.67	4.55	4.44
7.0	6.0	4.90	4.79	4.67	4.55	4.44
10.0	8.0	4.90	4.79	4.67	4.55	4.44
15.0	10.0	4.90	4.79	4.67	4.55	4.44
20.0	15.0	4.90	4.79	4.67	4.55	4.44
24.0	18.0	4.90	4.79	4.67	4.55	4.44

NOTES:

- TC: Total Capacity (kW)
- Values mentioned in the table are based on the following conditions:
 - Pipe length: 5 m, Height difference: 0 m (Outdoor unit—Indoor unit)

● Wall mounted type

Model: ASYG07KGTB

Outdoor temperature		Indoor temperature (°CDB)				
		16.0	18.0	20.0	22.0	24.0
(°CDB)	(°CWB)	TC	TC	TC	TC	TC
-15.0	-16.0	1.58	1.55	1.51	1.47	1.43
-10.0	-11.0	1.82	1.78	1.74	1.69	1.65
-5.0	-7.0	2.06	2.01	1.96	1.91	1.86
0.0	-2.0	2.63	2.56	2.50	2.44	2.38
5.0	3.0	2.94	2.87	2.80	2.73	2.66
7.0	6.0	2.94	2.87	2.80	2.73	2.66
10.0	8.0	2.94	2.87	2.80	2.73	2.66
15.0	10.0	2.94	2.87	2.80	2.73	2.66
20.0	15.0	2.94	2.87	2.80	2.73	2.66
24.0	18.0	2.94	2.87	2.80	2.73	2.66

Model: ASYG09KGTB

Outdoor temperature		Indoor temperature (°CDB)				
		16.0	18.0	20.0	22.0	24.0
(°CDB)	(°CWB)	TC	TC	TC	TC	TC
-15.0	-16.0	2.04	1.99	1.94	1.89	1.84
-10.0	-11.0	2.34	2.29	2.23	2.18	2.12
-5.0	-7.0	2.65	2.59	2.52	2.46	2.40
0.0	-2.0	3.38	3.30	3.22	3.14	3.06
5.0	3.0	3.78	3.69	3.60	3.51	3.42
7.0	6.0	3.78	3.69	3.60	3.51	3.42
10.0	8.0	3.78	3.69	3.60	3.51	3.42
15.0	10.0	3.78	3.69	3.60	3.51	3.42
20.0	15.0	3.78	3.69	3.60	3.51	3.42
24.0	18.0	3.78	3.69	3.60	3.51	3.42

Model: ASYG12KGTB

Outdoor temperature		Indoor temperature (°CDB)				
		16.0	18.0	20.0	22.0	24.0
(°CDB)	(°CWB)	TC	TC	TC	TC	TC
-15.0	-16.0	2.50	2.44	2.38	2.32	2.26
-10.0	-11.0	2.88	2.81	2.74	2.67	2.60
-5.0	-7.0	3.25	3.18	3.10	3.02	2.94
0.0	-2.0	4.15	4.05	3.95	3.85	3.75
5.0	3.0	4.64	4.53	4.42	4.31	4.20
7.0	6.0	4.64	4.53	4.42	4.31	4.20
10.0	8.0	4.64	4.53	4.42	4.31	4.20
15.0	10.0	4.64	4.53	4.42	4.31	4.20
20.0	15.0	4.64	4.53	4.42	4.31	4.20
24.0	18.0	4.64	4.53	4.42	4.31	4.20

Model: ASYG14KGTB

Outdoor temperature		Indoor temperature (°CDB)				
		16.0	18.0	20.0	22.0	24.0
(°CDB)	(°CWB)	TC	TC	TC	TC	TC
-15.0	-16.0	2.64	2.58	2.51	2.45	2.39
-10.0	-11.0	3.04	2.97	2.89	2.82	2.75
-5.0	-7.0	3.44	3.36	3.27	3.19	3.11
0.0	-2.0	4.38	4.28	4.17	4.07	3.96
5.0	3.0	4.90	4.79	4.67	4.55	4.44
7.0	6.0	4.90	4.79	4.67	4.55	4.44
10.0	8.0	4.90	4.79	4.67	4.55	4.44
15.0	10.0	4.90	4.79	4.67	4.55	4.44
20.0	15.0	4.90	4.79	4.67	4.55	4.44
24.0	18.0	4.90	4.79	4.67	4.55	4.44

Models: ASYG07KMTB and ASYG07KMCC

Outdoor temperature		Indoor temperature (°CDB)				
		16.0	18.0	20.0	22.0	24.0
(°CDB)	(°CWB)	TC	TC	TC	TC	TC
-15.0	-16.0	1.58	1.55	1.51	1.47	1.43
-10.0	-11.0	1.82	1.78	1.74	1.69	1.65
-5.0	-7.0	2.06	2.01	1.96	1.91	1.86
0.0	-2.0	2.63	2.56	2.50	2.44	2.38
5.0	3.0	2.94	2.87	2.80	2.73	2.66
7.0	6.0	2.94	2.87	2.80	2.73	2.66
10.0	8.0	2.94	2.87	2.80	2.73	2.66
15.0	10.0	2.94	2.87	2.80	2.73	2.66
20.0	15.0	2.94	2.87	2.80	2.73	2.66
24.0	18.0	2.94	2.87	2.80	2.73	2.66

Models: ASYG09KMTB and ASYG09KMCC

Outdoor temperature		Indoor temperature (°CDB)				
		16.0	18.0	20.0	22.0	24.0
(°CDB)	(°CWB)	TC	TC	TC	TC	TC
-15.0	-16.0	2.04	1.99	1.94	1.89	1.84
-10.0	-11.0	2.34	2.29	2.23	2.18	2.12
-5.0	-7.0	2.65	2.59	2.52	2.46	2.40
0.0	-2.0	3.38	3.30	3.22	3.14	3.06
5.0	3.0	3.78	3.69	3.60	3.51	3.42
7.0	6.0	3.78	3.69	3.60	3.51	3.42
10.0	8.0	3.78	3.69	3.60	3.51	3.42
15.0	10.0	3.78	3.69	3.60	3.51	3.42
20.0	15.0	3.78	3.69	3.60	3.51	3.42
24.0	18.0	3.78	3.69	3.60	3.51	3.42

Models: ASYG12KMTB and ASYG12KMCC

Outdoor temperature		Indoor temperature (°CDB)				
		16.0	18.0	20.0	22.0	24.0
(°CDB)	(°CWB)	TC	TC	TC	TC	TC
-15.0	-16.0	2.50	2.44	2.38	2.32	2.26
-10.0	-11.0	2.88	2.81	2.74	2.67	2.60
-5.0	-7.0	3.25	3.18	3.10	3.02	2.94
0.0	-2.0	4.15	4.05	3.95	3.85	3.75
5.0	3.0	4.64	4.53	4.42	4.31	4.20
7.0	6.0	4.64	4.53	4.42	4.31	4.20
10.0	8.0	4.64	4.53	4.42	4.31	4.20
15.0	10.0	4.64	4.53	4.42	4.31	4.20
20.0	15.0	4.64	4.53	4.42	4.31	4.20
24.0	18.0	4.64	4.53	4.42	4.31	4.20

Models: ASYG14KMTB and ASYG14KMCC

Outdoor temperature		Indoor temperature (°CDB)				
		16.0	18.0	20.0	22.0	24.0
(°CDB)	(°CWB)	TC	TC	TC	TC	TC
-15.0	-16.0	2.64	2.58	2.51	2.45	2.39
-10.0	-11.0	3.04	2.97	2.89	2.82	2.75
-5.0	-7.0	3.44	3.36	3.27	3.19	3.11
0.0	-2.0	4.38	4.28	4.17	4.07	3.96
5.0	3.0	4.90	4.79	4.67	4.55	4.44
7.0	6.0	4.90	4.79	4.67	4.55	4.44
10.0	8.0	4.90	4.79	4.67	4.55	4.44
15.0	10.0	4.90	4.79	4.67	4.55	4.44
20.0	15.0	4.90	4.79	4.67	4.55	4.44
24.0	18.0	4.90	4.79	4.67	4.55	4.44

Model: ASYG07KETA, ASYG07KETA-B

Outdoor temperature		Indoor temperature (°CDB)				
		16.0	18.0	20.0	22.0	24.0
(°CDB)	(°CWB)	TC	TC	TC	TC	TC
-15.0	-16.0	1.58	1.55	1.51	1.47	1.43
-10.0	-11.0	1.82	1.78	1.74	1.69	1.65
-5.0	-7.0	2.06	2.01	1.96	1.91	1.86
0.0	-2.0	2.63	2.56	2.50	2.44	2.38
5.0	3.0	2.94	2.87	2.80	2.73	2.66
7.0	6.0	2.94	2.87	2.80	2.73	2.66
10.0	8.0	2.94	2.87	2.80	2.73	2.66
15.0	10.0	2.94	2.87	2.80	2.73	2.66
20.0	15.0	2.94	2.87	2.80	2.73	2.66
24.0	18.0	2.94	2.87	2.80	2.73	2.66

Model: ASYG09KETA, ASYG09KETA-B

Outdoor temperature		Indoor temperature (°CDB)				
		16.0	18.0	20.0	22.0	24.0
(°CDB)	(°CWB)	TC	TC	TC	TC	TC
-15.0	-16.0	2.04	1.99	1.94	1.89	1.84
-10.0	-11.0	2.34	2.29	2.23	2.18	2.12
-5.0	-7.0	2.65	2.59	2.52	2.46	2.40
0.0	-2.0	3.38	3.30	3.22	3.14	3.06
5.0	3.0	3.78	3.69	3.60	3.51	3.42
7.0	6.0	3.78	3.69	3.60	3.51	3.42
10.0	8.0	3.78	3.69	3.60	3.51	3.42
15.0	10.0	3.78	3.69	3.60	3.51	3.42
20.0	15.0	3.78	3.69	3.60	3.51	3.42
24.0	18.0	3.78	3.69	3.60	3.51	3.42

Model: ASYG12KETA, ASYG12KETA-B

Outdoor temperature		Indoor temperature (°CDB)				
		16.0	18.0	20.0	22.0	24.0
(°CDB)	(°CWB)	TC	TC	TC	TC	TC
-15.0	-16.0	2.50	2.44	2.38	2.32	2.26
-10.0	-11.0	2.88	2.81	2.74	2.67	2.60
-5.0	-7.0	3.25	3.18	3.10	3.02	2.94
0.0	-2.0	4.15	4.05	3.95	3.85	3.75
5.0	3.0	4.64	4.53	4.42	4.31	4.20
7.0	6.0	4.64	4.53	4.42	4.31	4.20
10.0	8.0	4.64	4.53	4.42	4.31	4.20
15.0	10.0	4.64	4.53	4.42	4.31	4.20
20.0	15.0	4.64	4.53	4.42	4.31	4.20
24.0	18.0	4.64	4.53	4.42	4.31	4.20

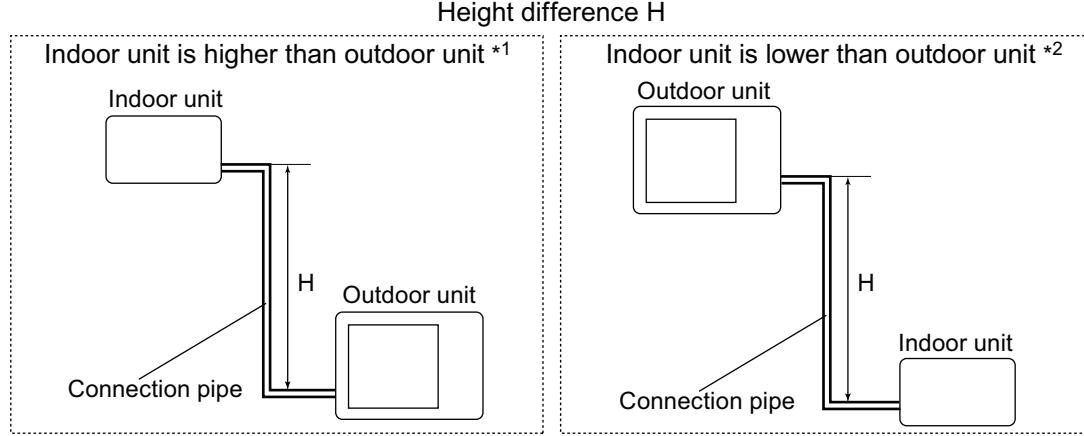
Model: ASYG14KETA, ASYG14KETA-B

Outdoor temperature		Indoor temperature (°CDB)				
		16.0	18.0	20.0	22.0	24.0
(°CDB)	(°CWB)	TC	TC	TC	TC	TC
-15.0	-16.0	2.64	2.58	2.51	2.45	2.39
-10.0	-11.0	3.04	2.97	2.89	2.82	2.75
-5.0	-7.0	3.44	3.36	3.27	3.19	3.11
0.0	-2.0	4.38	4.28	4.17	4.07	3.96
5.0	3.0	4.90	4.79	4.67	4.55	4.44
7.0	6.0	4.90	4.79	4.67	4.55	4.44
10.0	8.0	4.90	4.79	4.67	4.55	4.44
15.0	10.0	4.90	4.79	4.67	4.55	4.44
20.0	15.0	4.90	4.79	4.67	4.55	4.44
24.0	18.0	4.90	4.79	4.67	4.55	4.44

NOTES:

- TC: Total Capacity (kW)
- Values mentioned in the table are based on the following conditions:
 - Pipe length: 5 m, Height difference: 0 m (Outdoor unit—Indoor unit)

7. Capacity compensation rate for pipe length and height difference



7-1. Model: AOGY14KBTA2

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

■ Indoor unit: 7,000 Btu/h

Cooling		Pipe length					
		m	2.5	5	10	15	20
Height difference H (m)	Indoor unit is higher than outdoor unit *1	15	—	—	—	0.936	0.908
	Indoor unit is higher than outdoor unit *1	10	—	—	0.969	0.943	0.915
	Indoor unit is higher than outdoor unit *1	5	—	0.991	0.976	0.950	0.921
	Indoor unit is higher than outdoor unit *1	2.5	0.993	0.993	0.978	0.952	0.923
	Indoor unit is higher than outdoor unit *1	0	1.000	1.000	0.985	0.959	0.930
	Indoor unit is lower than outdoor unit *2	-2.5	1.000	1.000	0.985	0.959	0.930
	Indoor unit is lower than outdoor unit *2	-5	—	1.000	0.985	0.959	0.930
	Indoor unit is lower than outdoor unit *2	-10	—	—	0.985	0.959	0.930
	Indoor unit is lower than outdoor unit *2	-15	—	—	—	0.959	0.930

Heating		Pipe length					
		m	2.5	5	10	15	20
Height difference H (m)	Indoor unit is higher than outdoor unit *1	15	—	—	—	0.937	0.915
	Indoor unit is higher than outdoor unit *1	10	—	—	0.956	0.937	0.915
	Indoor unit is higher than outdoor unit *1	5	—	1.000	0.956	0.937	0.915
	Indoor unit is higher than outdoor unit *1	2.5	0.990	1.000	0.956	0.937	0.915
	Indoor unit is higher than outdoor unit *1	0	0.990	1.000	0.956	0.937	0.915
	Indoor unit is lower than outdoor unit *2	-2.5	0.986	0.996	0.952	0.933	0.911
	Indoor unit is lower than outdoor unit *2	-5	—	0.994	0.950	0.931	0.909
	Indoor unit is lower than outdoor unit *2	-10	—	—	0.946	0.928	0.906
	Indoor unit is lower than outdoor unit *2	-15	—	—	—	0.923	0.901

■ Indoor unit: 9,000 Btu/h

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Cooling		Pipe length					
		m	2.5	5	10	15	20
Height difference H (m)	Indoor unit is higher than outdoor unit *1	15	—	—	—	0.924	0.891
		10	—	—	0.962	0.931	0.899
		5	—	0.991	0.968	0.938	0.905
		2.5	0.993	0.993	0.970	0.940	0.907
		0	1.000	1.000	0.977	0.946	0.913
Height difference H (m)	Indoor unit is lower than outdoor unit *2	-2.5	1.000	1.000	0.977	0.946	0.913
		-5	—	1.000	0.977	0.946	0.913
		-10	—	—	0.977	0.946	0.913
		-15	—	—	—	0.946	0.913

Heating		Pipe length					
		m	2.5	5	10	15	20
Height difference H (m)	Indoor unit is higher than outdoor unit *1	15	—	—	—	0.937	0.914
		10	—	—	0.956	0.937	0.914
		5	—	1.000	0.956	0.937	0.914
		2.5	0.990	1.000	0.956	0.937	0.914
		0	0.990	1.000	0.956	0.937	0.914
Height difference H (m)	Indoor unit is lower than outdoor unit *2	-2.5	0.986	0.996	0.952	0.933	0.910
		-5	—	0.994	0.950	0.931	0.908
		-10	—	—	0.946	0.927	0.905
		-15	—	—	—	0.923	0.900

■ Indoor unit: 12,000 Btu/h

Cooling		Pipe length					
		m	2.5	5	10	15	20
Height difference H (m)	Indoor unit is higher than outdoor unit *1	15	—	—	—	0.914	0.877
		10	—	—	0.959	0.921	0.884
		5	—	0.991	0.965	0.928	0.890
		2.5	0.993	0.993	0.967	0.930	0.893
		0	1.000	1.000	0.974	0.936	0.899
Height difference H (m)	Indoor unit is lower than outdoor unit *2	-2.5	1.000	1.000	0.974	0.936	0.899
		-5	—	1.000	0.974	0.936	0.899
		-10	—	—	0.974	0.936	0.899
		-15	—	—	—	0.936	0.899

Heating		Pipe length					
		m	2.5	5	10	15	20
Height difference H (m)	Indoor unit is higher than outdoor unit *1	15	—	—	—	0.936	0.914
		10	—	—	0.955	0.936	0.914
		5	—	1.000	0.955	0.936	0.914
		2.5	0.992	1.000	0.955	0.936	0.914
		0	0.992	1.000	0.955	0.936	0.914
Height difference H (m)	Indoor unit is lower than outdoor unit *2	-2.5	0.988	0.996	0.951	0.932	0.910
		-5	—	0.994	0.949	0.930	0.908
		-10	—	—	0.945	0.927	0.905
		-15	—	—	—	0.922	0.900

7-2. Model: AOYG18KBTA2

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

■ Indoor unit: 7,000 Btu/h

Cooling		Pipe length					
		m	2.5	5	10	15	20
Height difference H (m)	Indoor unit is higher than outdoor unit *1	15	—	—	—	0.940	0.914
		10	—	—	0.973	0.948	0.921
		5	—	0.991	0.980	0.955	0.928
		2.5	0.993	0.993	0.982	0.957	0.930
		0	1.000	1.000	0.989	0.963	0.936
Height difference H (m)	Indoor unit is lower than outdoor unit *2	-2.5	1.000	1.000	0.989	0.963	0.936
		-5	—	1.000	0.989	0.963	0.936
		-10	—	—	0.989	0.963	0.936
		-15	—	—	—	0.963	0.936

Heating		Pipe length					
		m	2.5	5	10	15	20
Height difference H (m)	Indoor unit is higher than outdoor unit *1	15	—	—	—	0.942	0.925
		10	—	—	0.959	0.942	0.925
		5	—	1.000	0.959	0.942	0.925
		2.5	0.990	1.000	0.959	0.942	0.925
		0	0.990	1.000	0.959	0.942	0.925
Height difference H (m)	Indoor unit is lower than outdoor unit *2	-2.5	0.986	0.996	0.955	0.938	0.921
		-5	—	0.994	0.953	0.936	0.919
		-10	—	—	0.949	0.933	0.916
		-15	—	—	—	0.928	0.911

■ Indoor unit: 9,000 Btu/h

Cooling		Pipe length					
		m	2.5	5	10	15	20
Height difference H (m)	Indoor unit is higher than outdoor unit *1	15	—	—	—	0.928	0.898
		10	—	—	0.966	0.936	0.905
		5	—	0.991	0.972	0.942	0.911
		2.5	0.993	0.993	0.974	0.944	0.913
		0	1.000	1.000	0.981	0.951	0.920
Height difference H (m)	Indoor unit is lower than outdoor unit *2	-2.5	1.000	1.000	0.981	0.951	0.920
		-5	—	1.000	0.981	0.951	0.920
		-10	—	—	0.981	0.951	0.920
		-15	—	—	—	0.951	0.920

Heating		Pipe length					
		m	2.5	5	10	15	20
Height difference H (m)	Indoor unit is higher than outdoor unit *1	15	—	—	—	0.942	0.924
		10	—	—	0.959	0.942	0.924
		5	—	1.000	0.959	0.942	0.924
		2.5	0.990	1.000	0.959	0.942	0.924
		0	0.990	1.000	0.959	0.942	0.924
Height difference H (m)	Indoor unit is lower than outdoor unit *2	-2.5	0.986	0.996	0.955	0.938	0.920
		-5	—	0.994	0.953	0.936	0.918
		-10	—	—	0.949	0.932	0.915
		-15	—	—	—	0.928	0.910

■ Indoor unit: 12,000 Btu/h

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Cooing		Pipe length					
		m	2.5	5	10	15	20
Height difference H (m)	Indoor unit is higher than outdoor unit *1	15	—	—	—	0.919	0.883
		10	—	—	0.962	0.926	0.891
		5	—	0.991	0.969	0.933	0.897
		2.5	0.993	0.993	0.971	0.935	0.899
		0	1.000	1.000	0.978	0.941	0.905
Height difference H (m)	Indoor unit is lower than outdoor unit *2	-2.5	1.000	1.000	0.978	0.941	0.905
		-5	—	1.000	0.978	0.941	0.905
		-10	—	—	0.978	0.941	0.905
		-15	—	—	—	0.941	0.905

Heating		Pipe length					
		m	2.5	5	10	15	20
Height difference H (m)	Indoor unit is higher than outdoor unit *1	15	—	—	—	0.941	0.924
		10	—	—	0.958	0.941	0.924
		5	—	1.000	0.958	0.941	0.924
		2.5	0.992	1.000	0.958	0.941	0.924
		0	0.992	1.000	0.958	0.941	0.924
Height difference H (m)	Indoor unit is lower than outdoor unit *2	-2.5	0.988	0.996	0.954	0.937	0.920
		-5	—	0.994	0.952	0.935	0.918
		-10	—	—	0.948	0.932	0.915
		-15	—	—	—	0.927	0.910

■ Indoor unit: 14,000 Btu/h

Cooing		Pipe length					
		m	2.5	5	10	15	20
Height difference H (m)	Indoor unit is higher than outdoor unit *1	15	—	—	—	0.913	0.873
		10	—	—	0.959	0.919	0.882
		5	—	0.991	0.967	0.927	0.888
		2.5	0.993	0.993	0.969	0.929	0.890
		0	1.000	1.000	0.976	0.934	0.895
Height difference H (m)	Indoor unit is lower than outdoor unit *2	-2.5	1.000	1.000	0.976	0.934	0.895
		-5	—	1.000	0.976	0.934	0.895
		-10	—	—	0.976	0.934	0.895
		-15	—	—	—	0.934	0.895

Heating		Pipe length					
		m	3	7.5	10	15	20
Height difference H (m)	Indoor unit is higher than outdoor unit *1	15	—	—	—	0.940	0.924
		10	—	—	0.957	0.940	0.924
		5	—	1.000	0.957	0.940	0.924
		2.5	0.993	1.000	0.957	0.940	0.924
		0	0.993	1.000	0.957	0.940	0.924
Height difference H (m)	Indoor unit is lower than outdoor unit *2	-2.5	0.989	0.996	0.953	0.936	0.920
		-5	—	0.994	0.951	0.934	0.918
		-10	—	—	0.947	0.932	0.915
		-15	—	—	—	0.926	0.910

8. Additional charge calculation

8-1. Model: AOYG14KBTA2

Refrigerant type	R32
Refrigerant amount	900

■ Refrigerant charge

Total pipe length	m	20 or less	30 (Max.)	20 g/m
Additional charge	g	0	200	

8-2. Model: AOYG18KBTA2

Refrigerant type	R32
Refrigerant amount	1,020

■ Refrigerant charge

Total pipe length	m	20 or less	30 (Max.)	20 g/m
Additional charge	g	0	200	

9. Airflow

9-1. Model: AOYG14KBTA2

● Cooling

m ³ /h	1,670
l/s	464
CFM	983

● Heating

m ³ /h	1,670
l/s	464
CFM	983

9-2. Model: AOYG18KBTA2

● Cooling

m ³ /h	1,960
l/s	544
CFM	1,154

● Heating

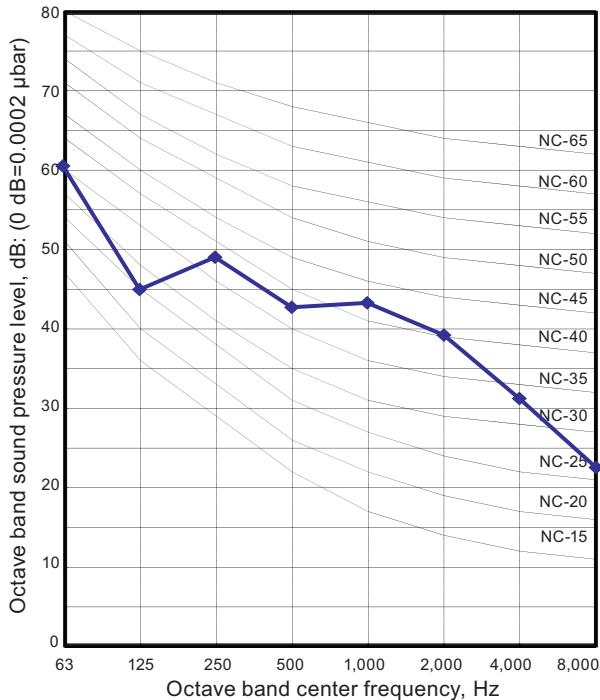
m ³ /h	2,020
l/s	561
CFM	1,189

10. Operation noise (sound pressure)

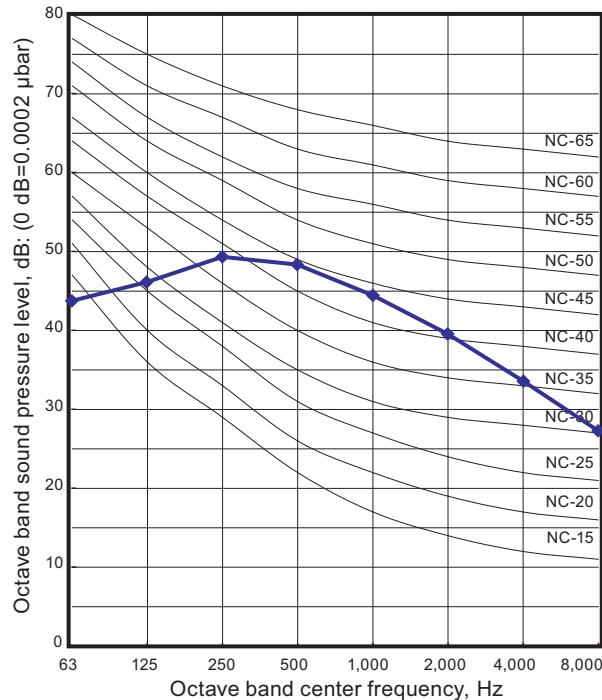
10-1. Noise level curve

■ Model: AOYG14KBTA2

● Cooling

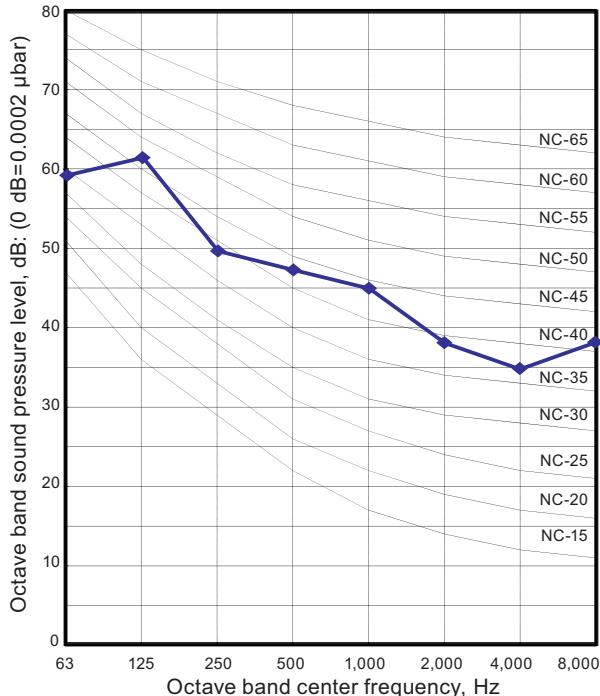


● Heating

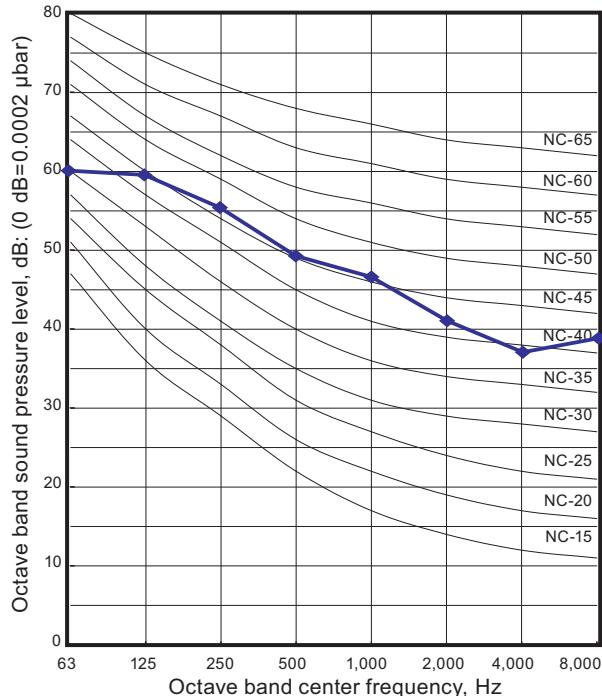


■ Model: AOYG18KBTA2

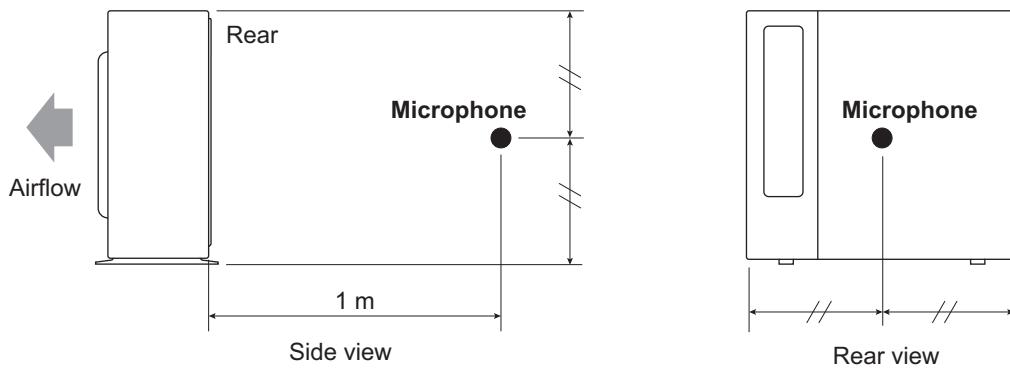
● Cooling



● Heating



10-2. Sound level check point



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

11. Electrical characteristics

Model name			AOYG14KBTA2	AOYG18KBTA2
Power supply	Voltage	V	230 ~	
	Frequency	Hz	50	
Maximum operating current *1			A	10.9 11.6
Starting current			A	4.7 5.6
Wiring spec. *2	Main fuse (Circuit breaker) current	A	15	
	Power cable	mm ²	1.5	
	Connection cable *3	Cross-sectional area	1.5	
	Limited wiring length	m	21	

*1: Maximum operating 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: This is the wiring length in case voltage descent is less than 2%. When the wiring length becomes longer, select the wiring of a more larger diameter.

12. Safety devices

Type of protection	Protection form	Model	
		AOYG14KBTA2	AOYG18KBTA2
Circuit protection	Current fuse (Main PCB)	250 V, 5 A 250 V, 20 A 250 V, 3.15 A	250 V, 5 A 250 V, 25 A 250 V, 3.15 A
Fan motor protection	Thermal protector	Activate	127 ±5 °C Fan motor stop
		Reset	95 °C or less Fan motor restart
Compressor protection	Temperature thermistor (Discharge temp.)	Activate	110 °C Compressor stop
		Reset	After 7 minutes Compressor restart
	Temperature thermistor (Compressor bottom temp.)	Activate	— 108 °C Compressor stop
		Reset	— After 3 minutes, and 80 °C or less Compressor restart
	Thermal protection program (Outdoor temp.) (Only in COOL or DRY mode)	Activate	-20 °C Compressor stop
		Reset	-15 °C Compressor restart

13. Accessories

13-1. Models: AOYG14KBTA2 and AOYG18KBTA2

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

14. Outdoor unit installation precautions

NOTE: The information listed below are general precautions.

Some models also include items that do not apply.

14-1. Places where prohibited for use

- Places where there is a danger of combustible gas leakage.
- Places where sulfur gas, chlorine gas, acid, alkali, or other matter which effects equipment is generated.
- Places affected by heat radiation from other heat sources.
- Places where the air is stagnant.
- Places where machinery which generates high frequencies is used.
- Ocean beaches and other areas where there is a lot of salt.
- Inside of vehicles, ships, and other conveyances.
- Places where voltage fluctuations are large such as a factory.

14-2. Points to remember when installing

- The product shall be installed at a place which can withstand the weight and vibration of the outdoor unit.
- To allow maintenance after refrigerant piping, drain piping, and electric wiring connection and installation, provide an installation service space.
*Installation service space is shown in "[Installation space](#)" on page 214.
- Be careful when installing the set at the following places.

Condition	Contents	Countermeasures (Reference)
When installed near adjacent houses.	Perform installation work so that operating sound does not disturb the neighbors.	<ol style="list-style-type: none"> Install a soundproof barrier. Change the installation site.
When there is the possibility of strong wind.	<ul style="list-style-type: none"> If the outdoor unit is exposed to strong wind, capacity may drop, frost may form during heating, and operation may be stopped by high pressure rise. In addition, when a very strong wind blows, the fan may be damaged. When a very strong wind blows, there is the possibility of the outdoor unit being toppled over if held only by foundation bolts. 	<ol style="list-style-type: none"> Install the outdoor unit with keeping a sufficient distance between the outlet side of the unit and a facing wall or fence. Make the outlet direction and wind direction perpendicular. Fasten the outdoor unit using toppling prevention hardware (purchased locally).
When snow accumulates.	If the outdoor unit is covered by accumulated snow, it may not be able to operate.	<ol style="list-style-type: none"> Make the foundation as high as possible. Perform snow prevention work.
When installing the inverter type.	It may generate noise in TV sets, stereos and PCs.	The inverter type should be installed at a sufficient distance from these equipments.