GENERAL

REFRIGERANT R32
INVERTER

AIR CONDITIONER

2-unit multi-split type

DESIGN & TECHNICAL MANUAL

INDOOR

AUXG07KVLA	ARXG07KSLAP	ARXG07KLLAP	ASHG07KMTB
AUXG09KVLA	ARXG09KSLAP	ARXG09KLLAP	ASHG09KMTB
AUXG12KVLA	ARXG12KSLAP	ARXG12KLLAP	ASHG12KMTB
AUXG14KVLA	ARXG14KSLAP	ARXG14KLLAP	ASHG14KMTB

ASHG07KGTB	ASHG07KMCC	ASHG07KETA	ASHG07KETA-B
ASHG09KGTB	ASHG09KMCC	ASHG09KETA	ASHG09KETA-B
ASHG12KGTB	ASHG12KMCC	ASHG12KETA	ASHG12KETA-B
ASHG14KGTB	ASHG14KMCC	ASHG14KETA	ASHG14KETA-B

OUTDOOR

AGHG09KVCA	AOHG14KBTA2
AGHG12KVCA	AOHG18KBTA2
AGHG14KVCA	

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Part 1. INDOOR UNIT

COMPACT CASSETTE TYPE:

AUXG07KVLA
AUXG09KVLA
AUXG12KVLA
AUXG14KVLA

SLIM DUCT TYPE:

ARXG07KLLAP
ARXG09KLLAP
ARXG12KLLAP
ARXG14KLLAP

MINI DUCT TYPE:

ARXG07KSLAP
ARXG09KSLAP
ARXG12KSLAP
ARXG14KSLAP

FLOOR TYPE:

AGHG09KVCA
AGHG09KVCA
AGHG09KVCA

WALL MOUNTED TYPE:

ASHG07KGTB
ASHG09KGTB
ASHG12KGTB
ASHG14KGTB

ASHG07KMTB
ASHG09KMTB
ASHG12KMTB
ASHG14KMTB

ASHG07KMCC
ASHG09KMCC
ASHG12KMCC
ASHG14KMCC

ASHG07KETA
ASHG09KETA
ASHG12KETA
ASHG14KETA

ASHG07KETA-B
ASHG09KETA-B
ASHG12KETA-B
ASHG14KETA-B

2-UNIT MULTI-SPLIT TYPE

1. Model lineup

Indoor unit			
AUXG07KVLA AUXG09KVLA AUXG12KVLA AUXG14KVLA	ARXG07KSLAP ARXG09KSLAP ARXG12KSLAP ARXG14KSLAP	ARXG07KLLAP ARXG09KLLAP ARXG12KLLAP ARXG14KLLAP	ASHG07KMTB ASHG09KMTB ASHG12KMTB ASHG14KMTB
ASHG07KGTB ASHG09KGTB ASHG12KGTB ASHG14KGTB	ASHG07KMCC ASHG09KMCC ASHG12KMCC ASHG14KMCC	ASHG07KETA ASHG09KETA ASHG12KETA ASHG14KETA	ASHG07KETA-B ASHG09KETA-B ASHG12KETA-B ASHG14KETA-B
AGHG09KVCA AGHG12KVCA AGHG14KVCA			

Outdoor unit	
AOHG14KBTA2	AOHG18KBTA2

1-1. Connectable indoor units to each outdoor unit

●: Connectable / -: Not connectable

Outdoor unit	Compact cassette				Mini duct			
	AUXG07—14KVLA				ARXG07—14KSLAP			
Btu class	07	09	12	14	07	09	12	14
kW class	2.0	2.5	3.5	4.0	2.0	2.5	3.5	4.0
AOHG14KBTA2	●	●	●	—	●	●	●	—
AOHG18KBTA2	●	●	●	●	●	●	●	●

Outdoor unit	Slim duct				Wall mounted			
	ARXG07—14KLLAP				KG			
					ASHG07—14KGTB			
Btu class	07	09	12	14	07	09	12	14
kW class	2.0	2.5	3.5	4.0	2.0	2.5	3.5	4.0
AOHG14KBTA2	●	●	●	—	●	●	●	—
AOHG18KBTA2	●	●	●	●	●	●	●	●

Outdoor unit	Wall mounted							
	KM				KE			
	ASHG07—14KMTB				ASHG07—14KETA			
	ASHG07—14KMCC				ASHG07—14KETA-B			
Btu class	07	09	12	14	07	09	12	14
kW class	2.0	2.5	3.5	4.0	2.0	2.5	3.5	4.0
AOHG14KBTA2	●	●	●	—	●	●	●	—
AOHG18KBTA2	●	●	●	●	●	●	●	●

Outdoor unit	Floor		
	AGHG09—14KVCA		
Btu class	09	12	14
kW class	2.5	3.5	4.0
AOHG14KBTA2	●	●	—
AOHG18KBTA2	●	●	●

1-2. Indoor unit connection patterns

■ 2 units

AOHG14KBTA2			
Combination no.	Unit 1	Unit 2	Total
1	7	7	14
2	7	9	16
3	7	12	19
4	9	9	18
5	9	12	21

AOHG18KBTA2			
Combination no.	Unit 1	Unit 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 Unit 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 × 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		49	50
	Heating				47		49	55
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				Main1: 1 × 10 / Main2: 1 × 10			
	Pipe type				Copper tube			
	Fin type				Aluminum			
Dimensions (H × W × D)	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-UFGF-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	HIGH	W	33	40	47	72
		MED		23	23	26	44
		LOW		20	20	22	30
		QUIET		18	18	18	18
Running current			A	0.29	0.33	0.38	0.58
Fan	Airflow rate	Cooling HIGH	m³/h	550	600	650	800
		Cooling MED		440	450	490	640
		Cooling LOW		390	400	430	530
		Cooling QUIET		360	360	360	360
		Heating HIGH		550	600	650	800
		Heating MED		440	450	490	640
		Heating LOW		390	400	430	530
		Heating QUIET		360	360	360	360
	Type × Q'ty			Sirocco fan × 2
	Motor output		W	75
Recommended static pressure			Pa	\multicolumn{3}{c}{0 to 30}	0 to 50
Sound pressure level *	Cooling	HIGH	dB (A)	29	29	31	35
		MED		26	26	27	30
		LOW		24	24	25	27
		QUIET		23	23	23	23
	Heating	HIGH		29	29	31	35
		MED		26	26	27	30
		LOW		24	24	25	27
		QUIET		23	23	23	23
Sound power level	Cooling		dB (A)	52	54	55	60
	Heating			53	56	57	62
Heat exchanger type	Dimensions (H × W × D)		mm	336 × 490 × 26.6
	Fin pitch		mm	1.3
	Rows × Stages			2 × 16
	Pipe type			Copper tube
	Fin type			Aluminum
Enclosure	Material			Steel sheet
	Color			—
Dimensions (H × W × D)	Net		mm	198 × 700 × 450
	Gross			250 × 930 × 580
Weight	Net		kg	15.5
	Gross			19.0
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			Hard PVC
	Size		mm	Ø 25 (I.D.), Ø 32 (O.D.)

NOTES:
- Values mentioned in the table are based on the following conditions:
  – Static pressure: 10 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.

2-3. 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	m³/h	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	dB (A)	28	28	29	32
			MED		26	27	28	30
			LOW		25	26	27	28
			QUIET		24	25	26	26
	Heating		HIGH		28	28	29	32
			MED		26	26	28	30
			LOW		25	25	27	28
			QUIET		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			
	Heating			°C	16 to 30			
Drain hose	Material				PVC			
	Size			mm	Ø 25 (I.D.), Ø 32 (O.D.)			

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					ASHG07KGTB	ASHG09KGTB	ASHG12KGTB	ASHG14KGTB
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	m³/h	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	dB (A)	38	40	40	43
			MED		33	34	35	36
			LOW		29	29	30	30
			QUIET		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
Sound power level	Cooling			dB (A)	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				277 × 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	Ø13.8 (I.D.), Ø15.0 to Ø16.8 (O.D.)			
Operation range	Cooling			°C	18 to 32			
				%RH	80 or less			
	Heating			°C	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					ASHG07KMTB	ASHG09KMTB	ASHG12KMTB	ASHG14KMTB
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	0.30
Fan	Airflow rate	Cooling	HIGH	m³/h	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	dB (A)	38	40	40	43
			MED		33	34	35	36
			LOW		29	29	30	30
			QUIET		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
Sound power level	Cooling			dB (A)	54	55	55	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				277 × 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	Ø13.8 (I.D.), Ø15.0 to Ø16.8 (O.D.)			
Operation range	Cooling			°C	18 to 32			
				%RH	80 or less			
	Heating			°C	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					ASHG07KMCC	ASHG09KMCC	ASHG12KMCC	ASHG14KMCC
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	0.30
Fan	Airflow rate	Cooling	HIGH	m³/h	650	700	700	770
			MED		540	560	560	600
			LOW		430	430	430	450
			QUIET		320	320	320	310
		Heating	HIGH		720	750	780	820
			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	30	30	49
Sound pressure level *1	Cooling		HIGH	dB (A)	38	40	40	43
			MED		33	34	35	36
			LOW		29	29	30	30
			QUIET		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
Heat exchanger type	Dimensions (H × W × D)			mm	Main1: 210 × 670 × 26.6 Main2: 112 × 670 × 20			Main1: 210 × 670 × 26.6 Main2: 112 × 670 × 20 Sub: 84 × 670 × 13.3
	Fin pitch				Man1: 1.2, Main2: 1.1			Man1: 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				277 × 914 × 332			
Weight	Net			kg	10.0			
	Gross				12.5			13.0
Connection pipe	Size	Liquid		mm (in)	Ø 6.35 (Ø 1/4)			
		Gas			Ø 9.52 (Ø 3/8)			
	Method				Flare			
Drain hose	Material				PP+HDPE			
	Tip diameter			mm	Ø 13.8 (I.D.), Ø 15.0 to Ø 16.8 (O.D.)			
Operation range	Cooling			°C	18 to 32			
				%RH	80 or less			
	Heating			°C	16 to 30			
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.

2-UNIT MULTI-SPLIT TYPE

Model name					ASHG07KETA ASHG07KETA-B	ASHG09KETA ASHG09KETA-B	ASHG12KETA ASHG12KETA-B	ASHG14KETA ASHG14KETA-B
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	0.30
Fan	Airflow rate	Cooling	HIGH	m³/h	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	dB (A)	38	40	40	43
			MED		33	34	35	36
			LOW		29	29	30	30
			QUIET		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
Sound power level	Cooling			dB (A)	55	55	55	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				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)	Ø6.35 (Ø1/4)			
		Gas			Ø9.52 (Ø3/8)			
	Method				Flare			
Drain hose	Material				PP + HDPE			
	Size			mm	Ø 13.8 (I.D.), Ø 15.0 to Ø 16.8 (O.D.)			
Operation range	Cooling			°C	18 to 32			
				%RH	80 or less			
	Heating			°C	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.

2-5. Floor type

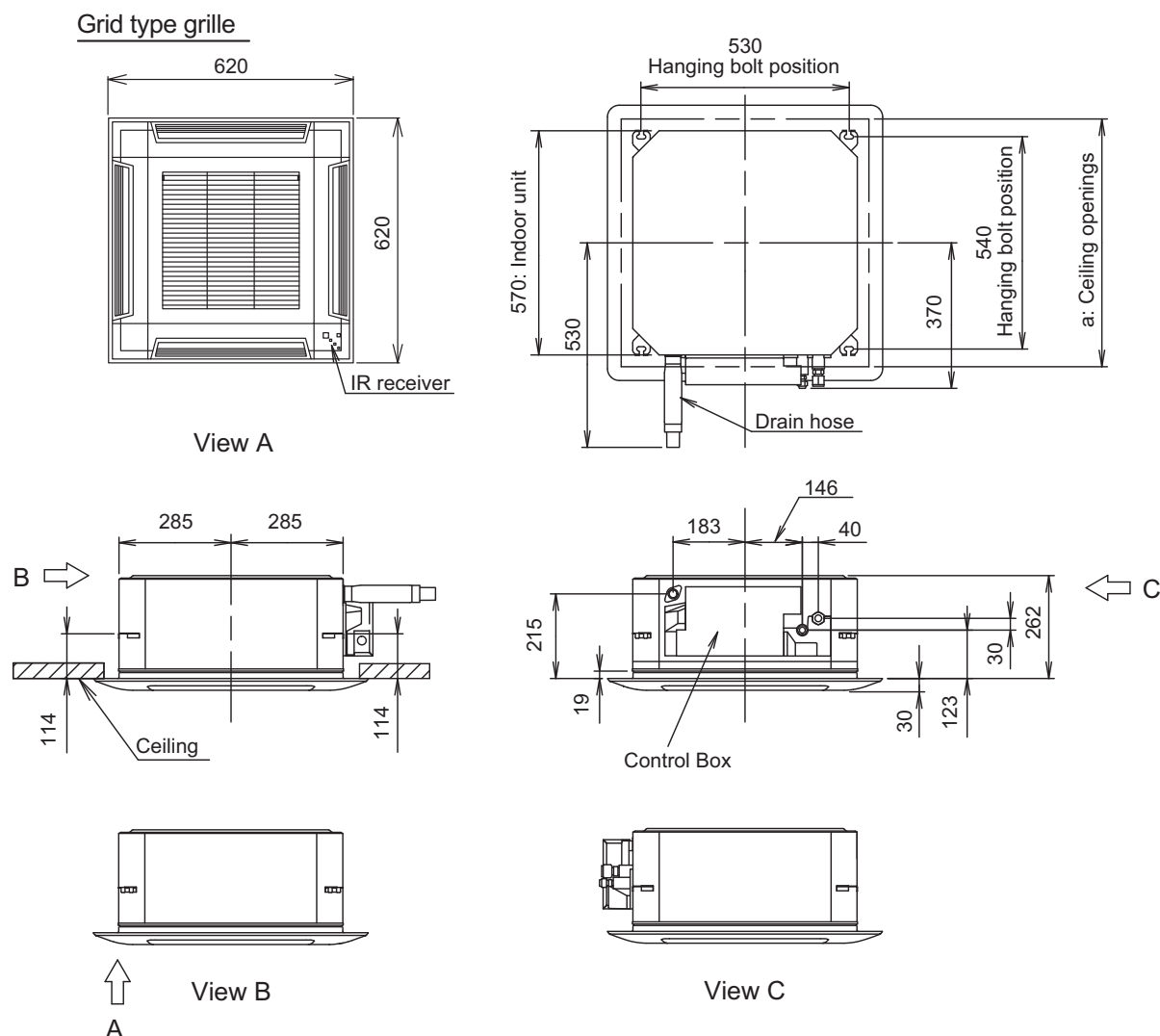| Model name					AGHG09KVCA	AGHG12KVCA	AGHG14KVCA
Power supply					230 V ~ 50 Hz		
Available voltage range					198—264 V		
Capacity				kW class	2.5	3.5	4.0
Input power				W	16	20	23
Running current				A	0.15	0.18	0.20
Fan	Airflow rate	Cooling	HIGH	m³/h	530	600	650
			MED		440	490	520
			LOW		360	380	400
			QUIET		270	270	270
		Heating	HIGH		530	600	650
			MED		460	510	540
			LOW		380	410	430
			QUIET		270	270	270
	Type × Q'ty				Cross flow fan × 2		
	Motor output			W	16 × 2		
Sound pressure level *	Cooling		HIGH	dB (A)	39	42	44
			MED		34	36	38
			LOW		28	30	31
			QUIET		22	22	22
	Heating		HIGH		39	42	44
			MED		35	38	39
			LOW		30	32	33
			QUIET		22	22	22
Sound power level	Cooling			dB (A)	52	55	56
	Heating				52	55	56
Heat exchanger type	Dimensions (H × W × D)			mm	378 × 550 × 26.6		
	Fin pitch				1.2		
	Rows × Stages				2 × 18		
	Pipe type				Copper tube		
	Fin type				Aluminum		
Enclosure	Material				Polystyrene		
	Color				White		
Dimensions (H × W × D)	Net			mm	600 × 740 × 200		
	Gross				700 × 820 × 310		
Weight	Net			kg	14		
	Gross				18		
Connection pipe	Size	Liquid		mm (in)	Ø6.35 (Ø1/4)		
		Gas			Ø9.52 (Ø3/8)		
	Method				Flare		
Drain hose	Material				PP + LLDPE		
	Tip diameter			mm	Ø13.8 (I.D.), Ø15.8 to Ø16.7 (O.D.)		
Operation range	Cooling			°C	18 to 32		
				%RH	80 or less		
	Heating			°C	30 or less		
Remote controller type					Wireless (Wired, Simple mobile app [option])		

NOTES:
- Specifications are based on the following conditions:
  – Cooling: Indoor temperature of 27 °CDB/19 °CWB, and outdoor temperature of 35 °CDB/24 °CWB.
  – Heating: Indoor temperature of 20 °CDB/15 °CWB, and outdoor temperature of 7 °CDB/6 °CWB.
  – Pipe length: 5 m, Height difference: 0 m. (Between outdoor unit and indoor unit.)
- Protective function might work when using it outside the operation range.
- *: 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.

3. Dimensions

3-1. Compact cassette type

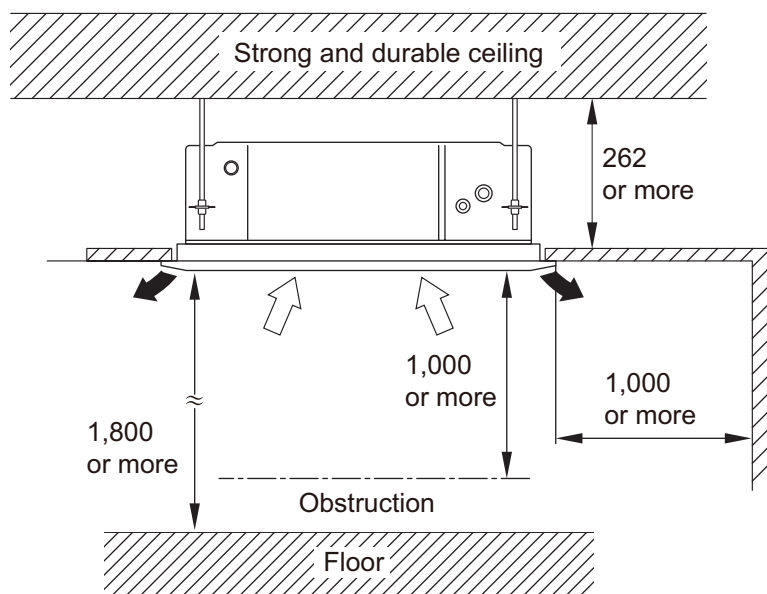### ■ Models: AUXG07KVLA, AUXG09KVLA, AUXG12KVLA, and AUXG14KVLA

Unit: mm

Grid type grille

620

620

IR receiver

View A

530
Hanging bolt position

570: Indoor unit

530

540

370

Hanging bolt position

a: Ceiling openings

Drain hose

285   285

B

114

Ceiling

114

146

183   40

215

19

262

30

30   123

C

Control Box

View B

A

View C

a: Ceiling openings		
Cassette grille (Option [Grid type])	mm	580 to 610

● Installation space requirement

Unit: mm

Strong and durable ceiling

262 or more

1,000 or more

1,000 or more

1,800 or more

Obstruction

Floor

Maximum height from floor to ceiling (Unit: mm)		
	07 and 09 models	12 or larger models
Standard	2,700	
High ceiling	—	3,000

3-way direction setting:

Unit: mm

100 or more*
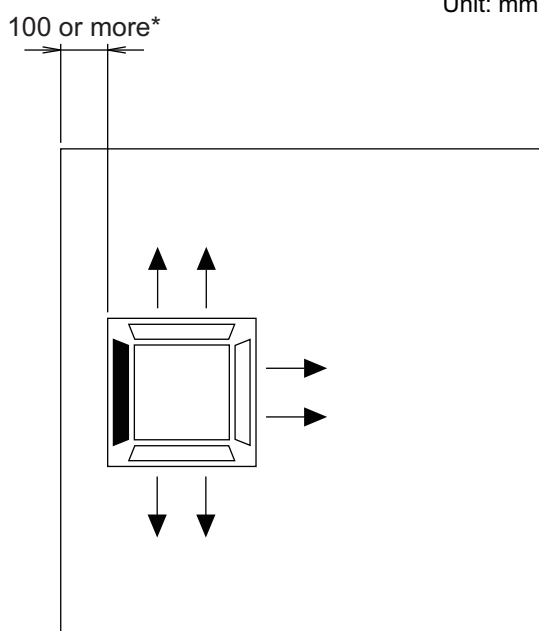
NOTES:
• To set "3-direction", optional Air outlet shutter plate (UTR-YDZB) must be installed, and the "out-let-direction" need to be switched to "3-way" by remote controller.
  *When installing the indoor unit, be careful about the maintenance space.
• In 3-way outlet mode, changing of ceiling height 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

Rear view

View A

Top view

Side view

Drain port

Front view

Bottom view

● Installation space requirement

Provide sufficient installation space for product safety.

Unit: mm
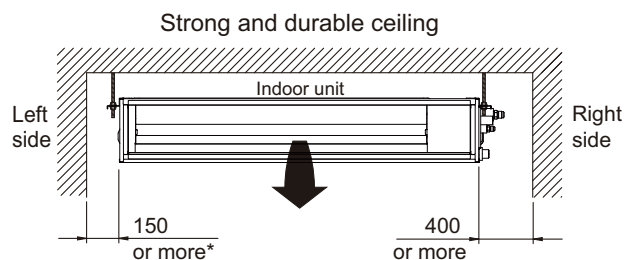
*: 400 or more when drain from drain pipe

• **When intaking air from back:**
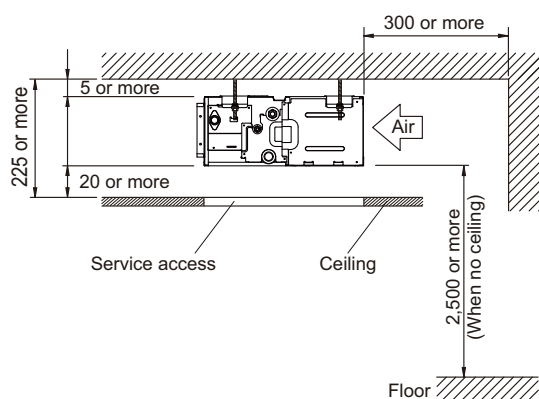
• **When intaking air from bottom:**
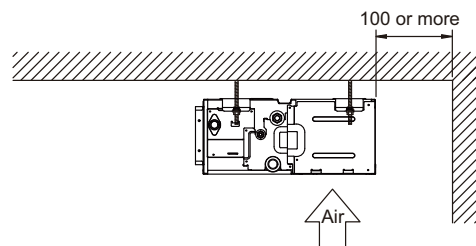
● Maintenance space requirement

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
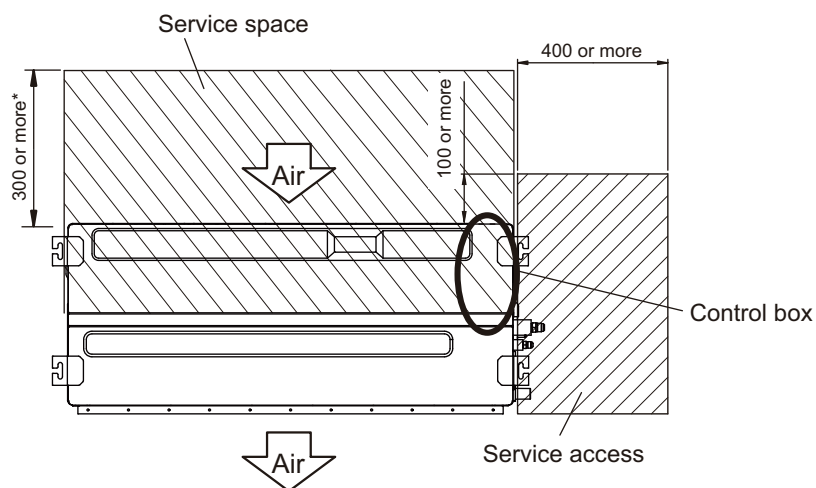
*: More than 100 when intaking air from bottom

Top view

3-3. Slim duct type

■ Models: ARXG07KLLAP, ARXG09KLLAP, ARXG12KLLAP, and ARXG14KLLAP

Unit: mm

Rear view

View A

Top view

(Drain hose)

Drain port

Side view

Front view

Bottom view

● Installation space requirement

Provide sufficient installation space for product safety.

In ceiling-concealed installations:
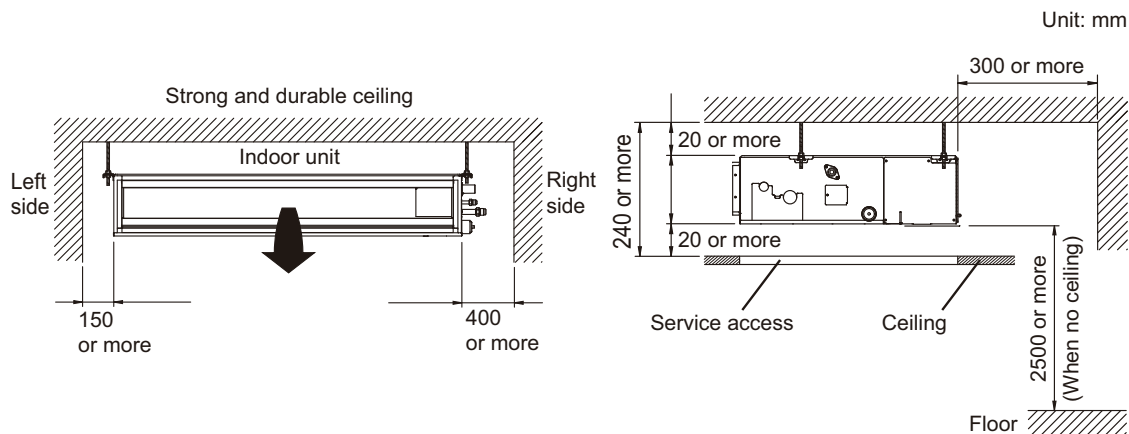
Unit: mm

● 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.
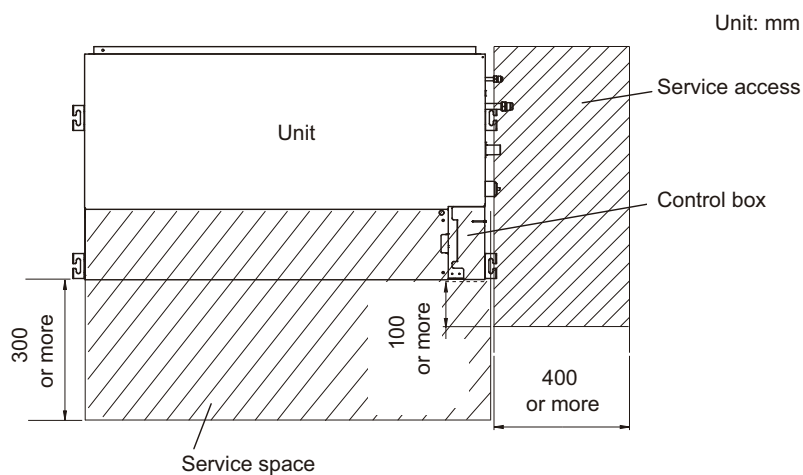
Unit: mm

3-4. Wall mounted type

■ Models: ASHG07KGTB, ASHG09KGTB, ASHG12KGTB, ASHG14KGTB, ASHG07KMCC, ASHG09KMCC, ASHG12KMCC, and ASHG14KMCC

Unit: mm
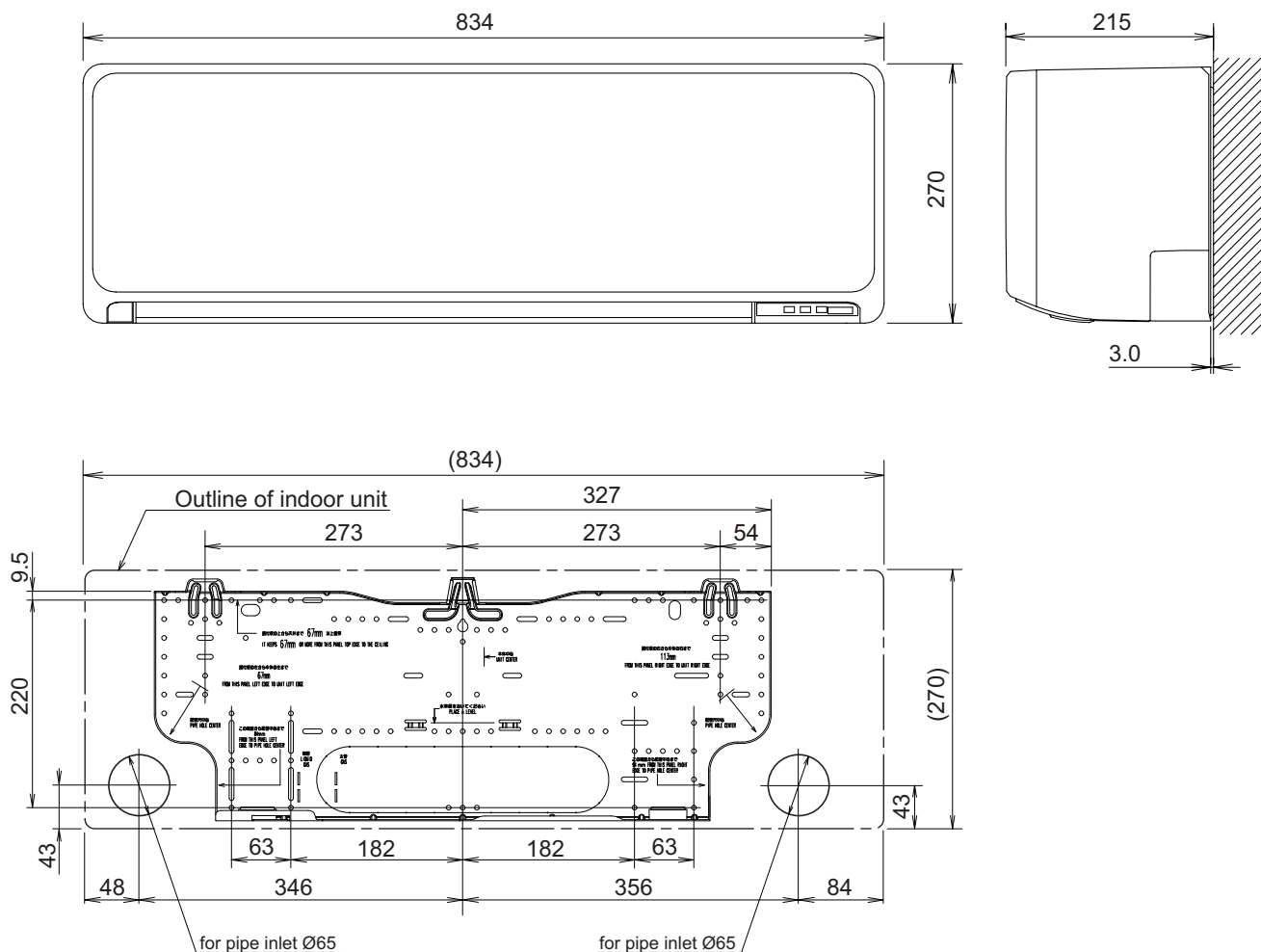
Outline of indoor unit

for pipe inlet Ø65

for pipe inlet Ø65

● Installation space requirement

Provide sufficient installation space for product safety.

Unit: mm

50 or more

67 or more

40 or more

Wall hook bracket

70 or more

107 or more

Outline of the indoor unit

183 or more

1,500 or more

1,800 or more

The flare connection part should be installed outdoors.
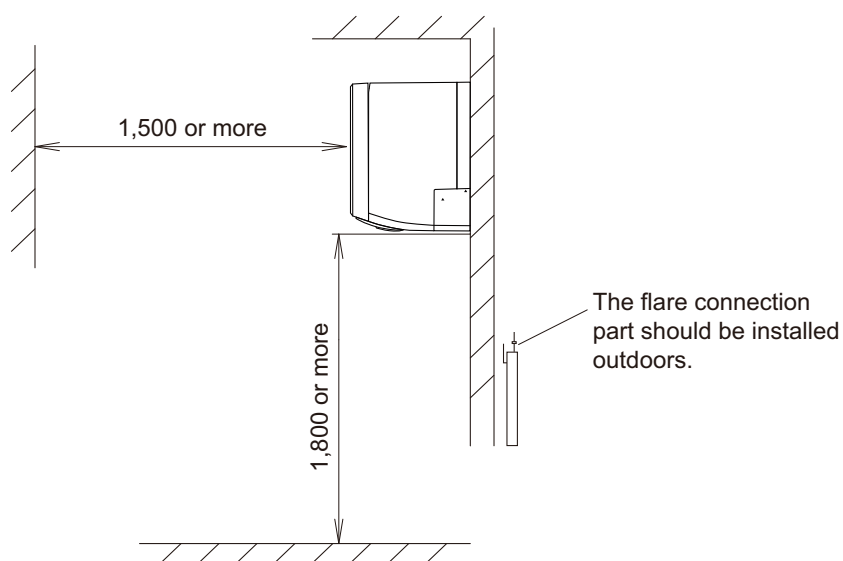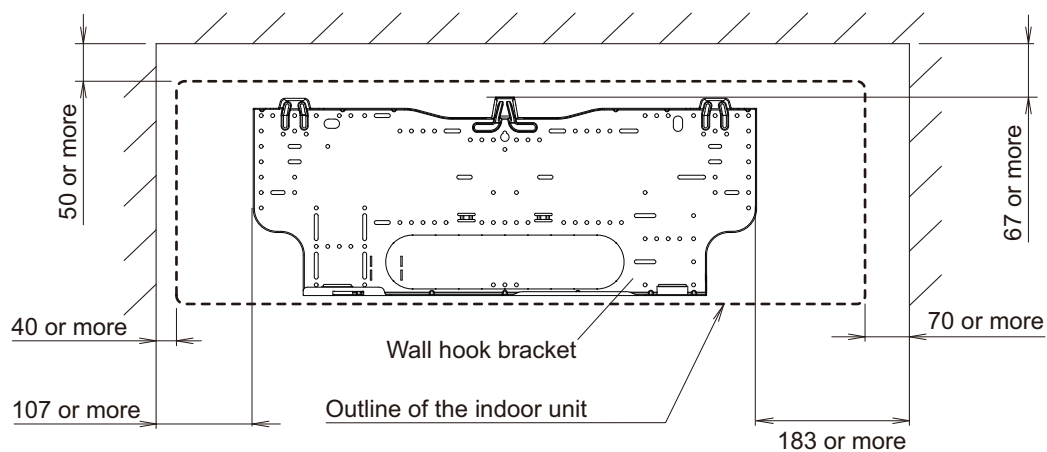
■ Models: ASHG07KMTB, ASHG09KMTB, ASHG12KMTB, and ASHG14KMTB

Unit: mm
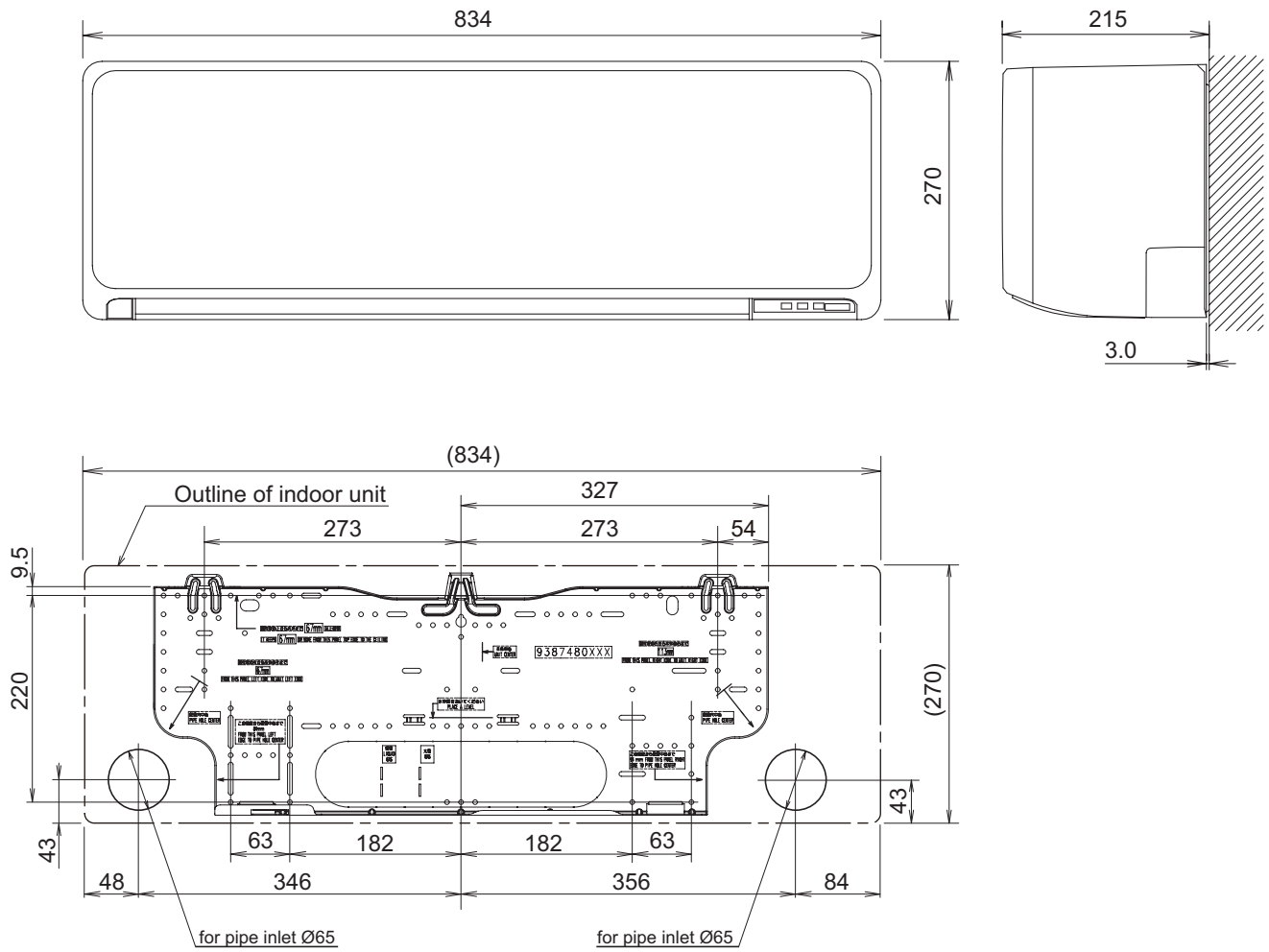
834

215

270

3.0

(834)

Outline of indoor unit

327

9.5

273 273 54

220 (270)

43

63 182 182 63

43

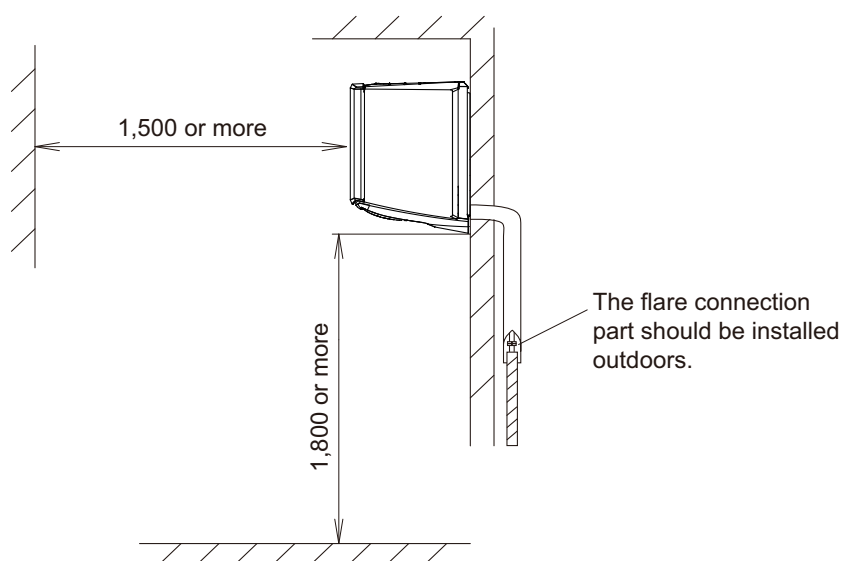48 346 356 84

for pipe inlet Ø65

for pipe inlet Ø65

9387480XXX

● Installation space requirement

Provide sufficient installation space for product safety.

Unit: mm

50 or more

67 or more

40 or more

70 or more

Wall hook bracket

107 or more

Outline of the indoor unit

183 or more

1,500 or more

1,800 or more

The flare connection part should be installed outdoors.
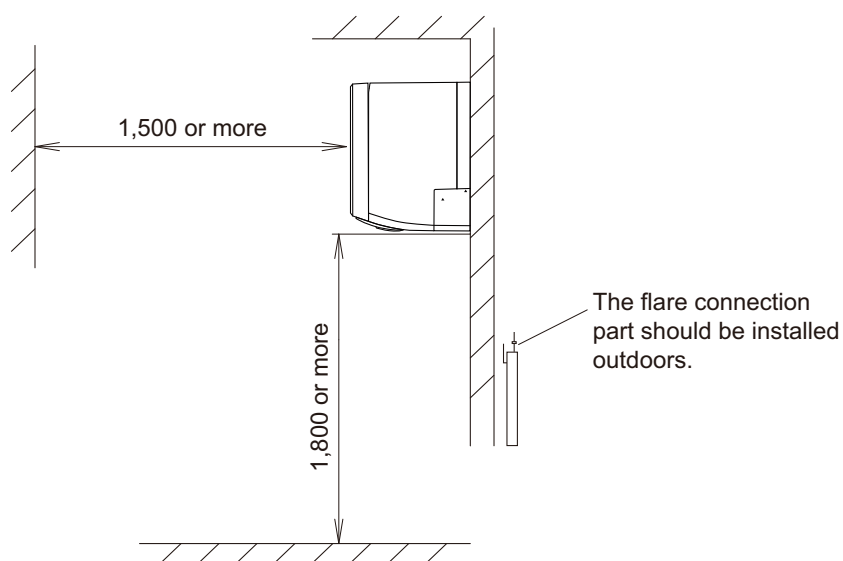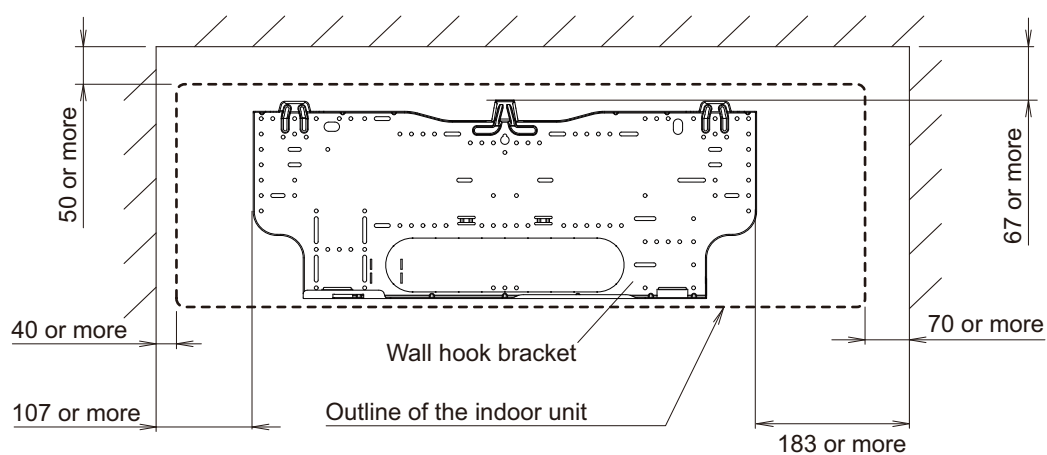
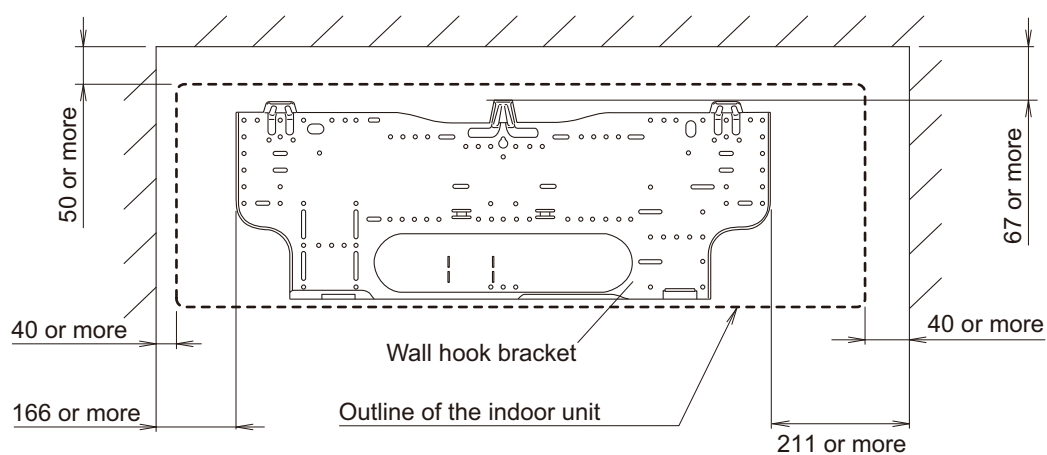# ■ Models: ASHG07KETA, ASHG09KETA, ASHG12KETA, ASHG14KETA, ASHG07KETA-B, ASHG09KETA-B, ASHG12KETA-B, and ASHG14KETA-B

Unit: mm
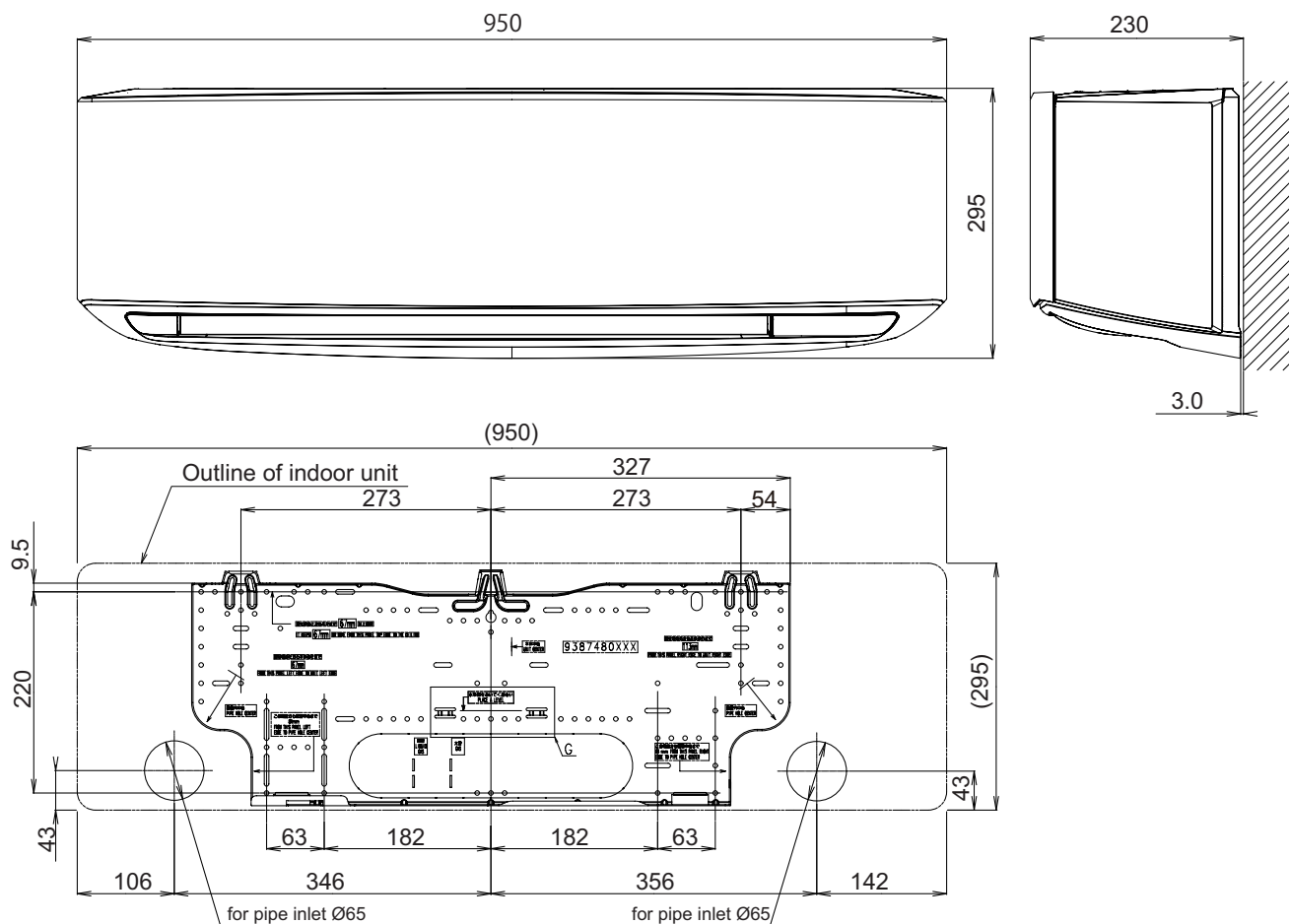
950

230

295

3.0

(950)

Outline of indoor unit

327

273   273   54

9.5

220

(295)

9387480XXX

G

43

43

63   182   182   63

106   346   356   142

for pipe inlet Ø65   for pipe inlet Ø65

● Installation space requirement

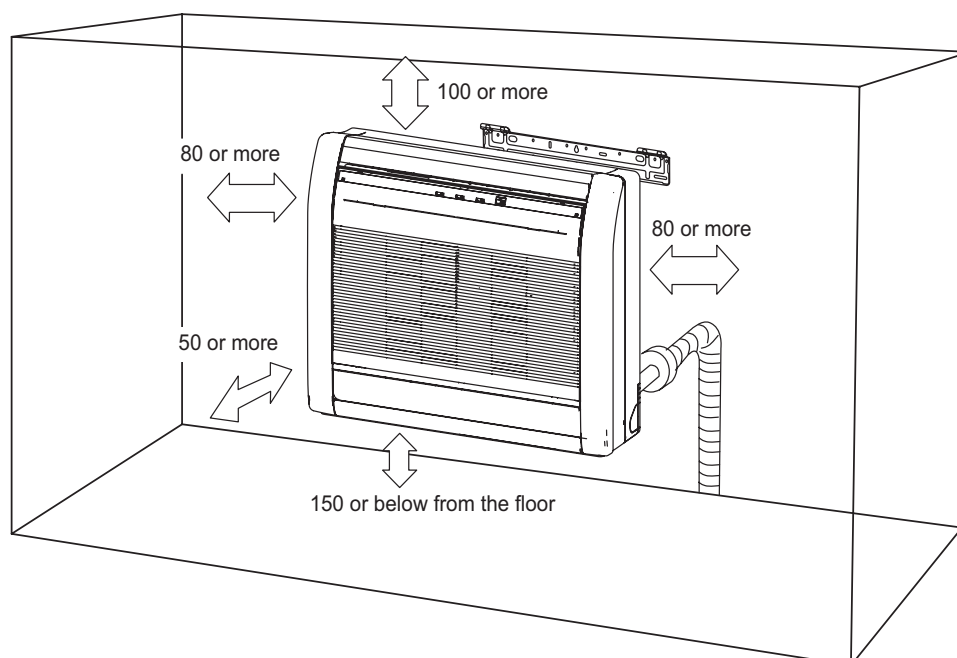Provide sufficient installation space for product safety.

Unit: mm

50 or more

67 or more

40 or more

40 or more

Wall hook bracket

166 or more

Outline of the indoor unit

211 or more

1,500 or more

1,800 or more

The flare connection part should be installed outdoors.

3-5. Floor type

■ Models: AGHG09KVCA, AGHG12KVCA, and AGHG14KVCA

Unit: mm

200

600

740

Front view

Side view

● Installation space

100 or more

80 or more

80 or more

50 or more

150 or below from the floor
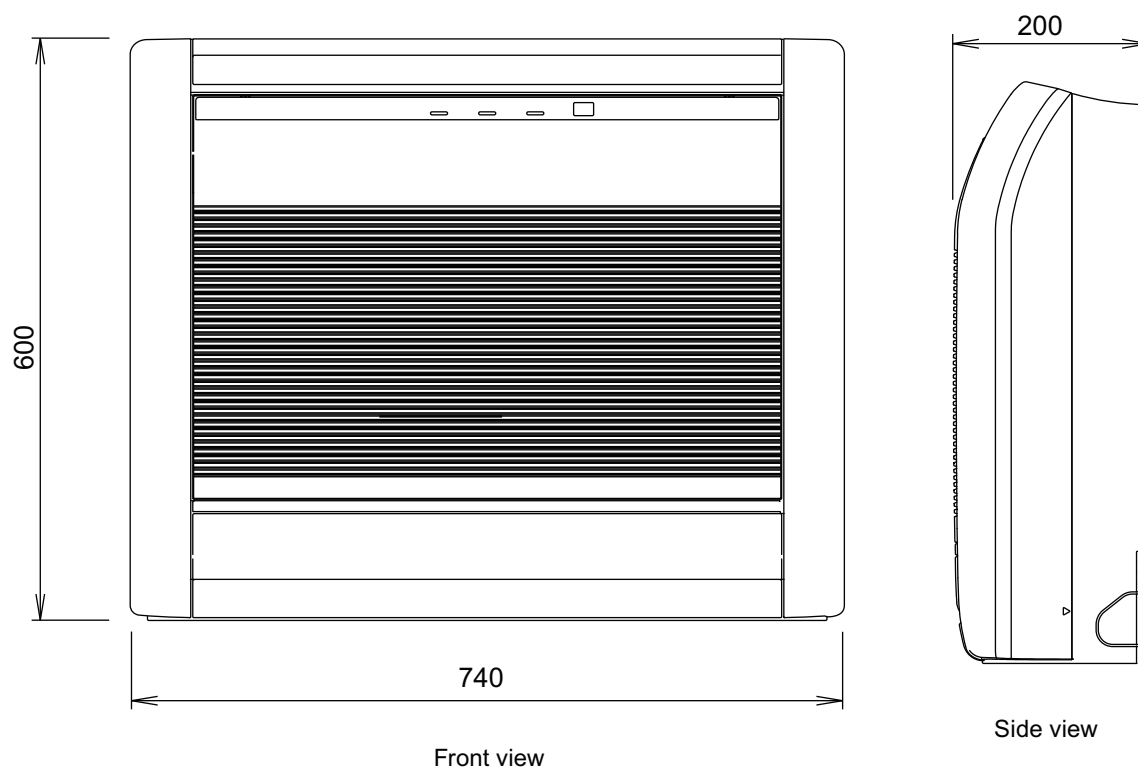
⚠ WARNING

- The appliance shall be installed, operated and stored in a room with a floor area larger than X m^2.

Amount of refrigerant charge M (kg)	Minimum room area X (m^2)
M ≤ 1.22	-
1.22 < M ≤ 1.23	12.99
1.23 < M ≤ 1.50	19.31
1.50 < M ≤ 1.75	26.28
1.75 < M ≤ 2.0	34.33
2.0 < M ≤ 2.5	53.63
2.5 < M ≤ 3.0	77.23
3.0 < M ≤ 3.5	105.12
3.5 < M ≤ 4.0	137.29

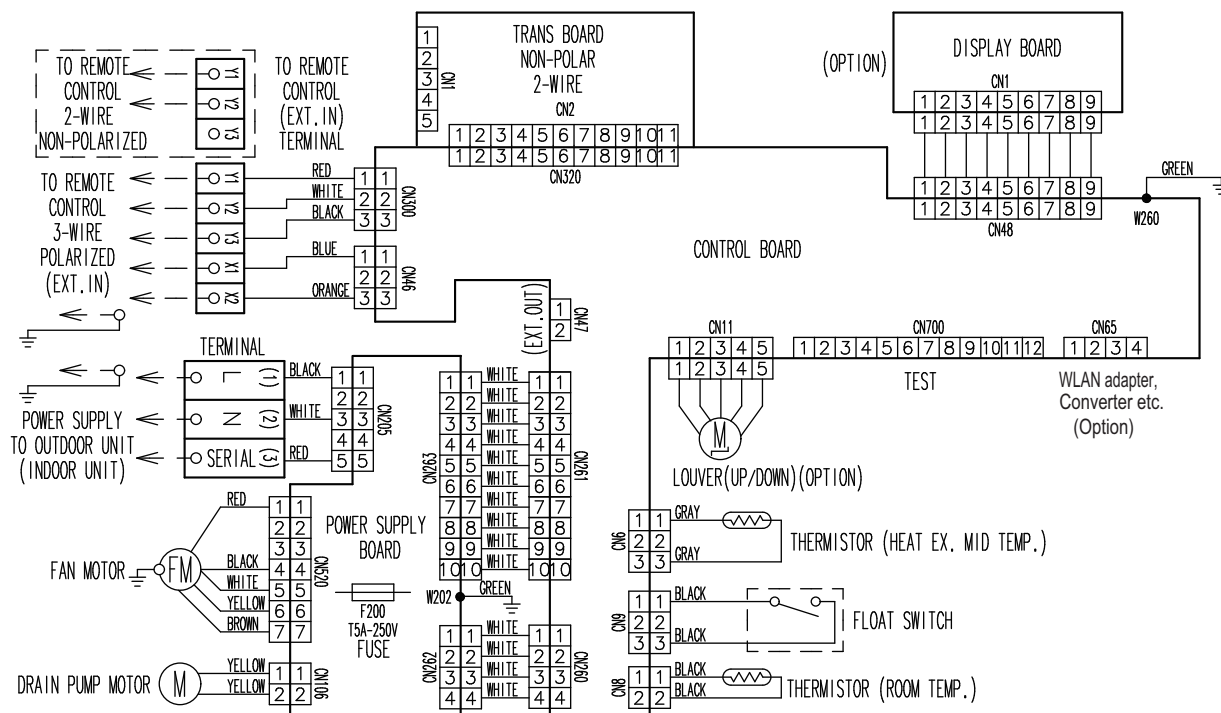(IEC 60335-2-40)

4. Wiring diagrams

4-1. Compact cassette type

### ■ Models: AUXG07KVLA, AUXG09KVLA, AUXG12KVLA, and AUXG14KVLA
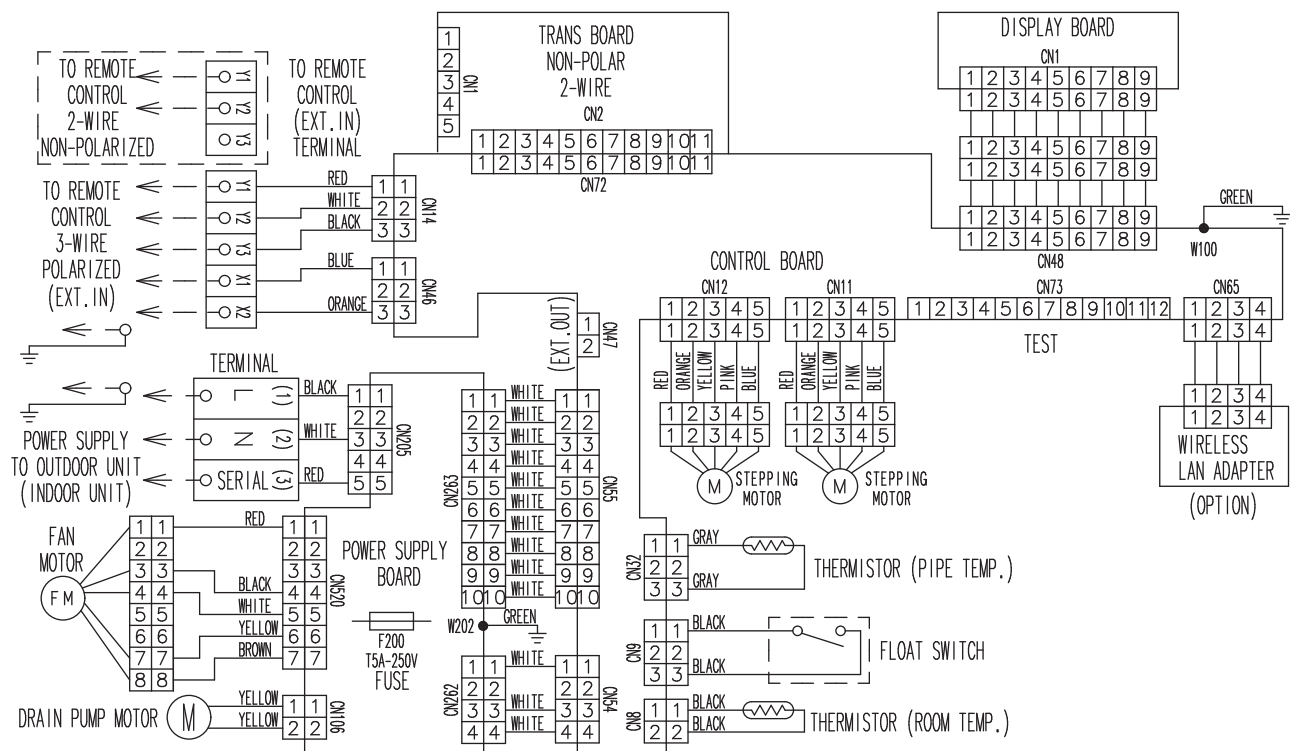
4-2. Mini duct type and Slim duct type

■ Models: ARXG07KSLAP, ARXG09KSLAP, ARXG12KSLAP, ARXG14KSLAP, ARXG07KLLAP, ARXG09KLLAP, ARXG12KLLAP, and ARXG14KLLAP
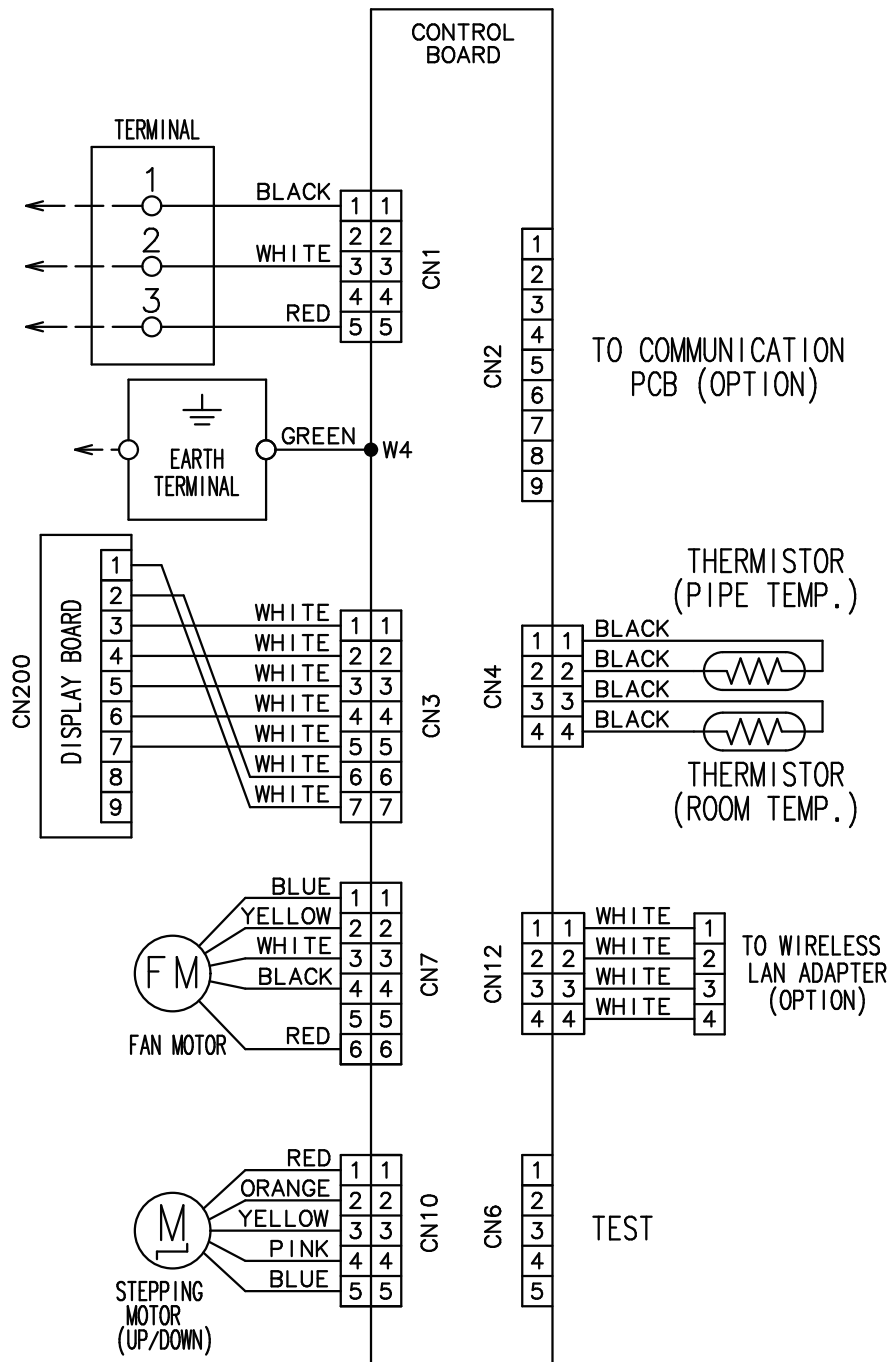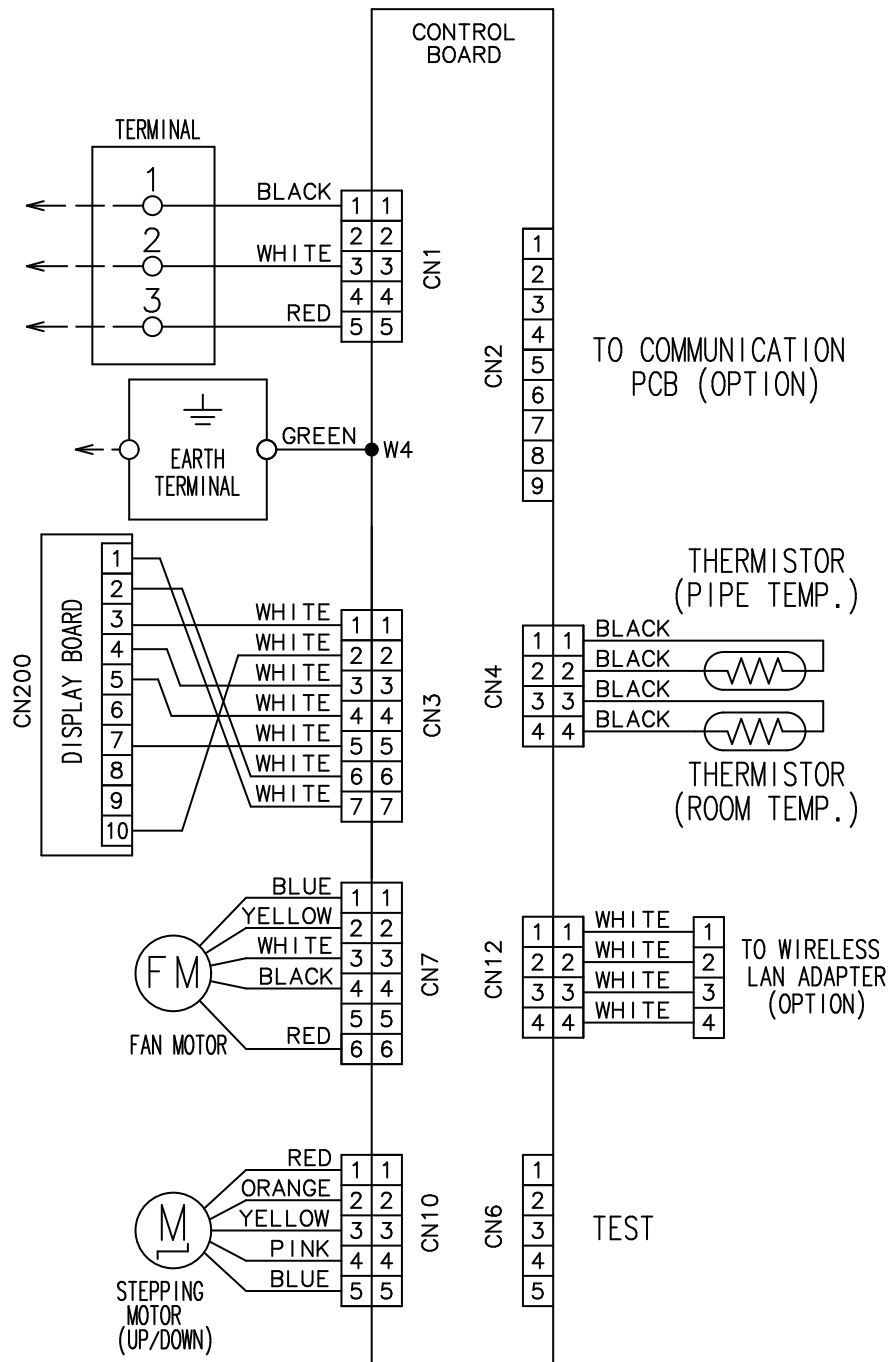
4-3. Wall mounted type

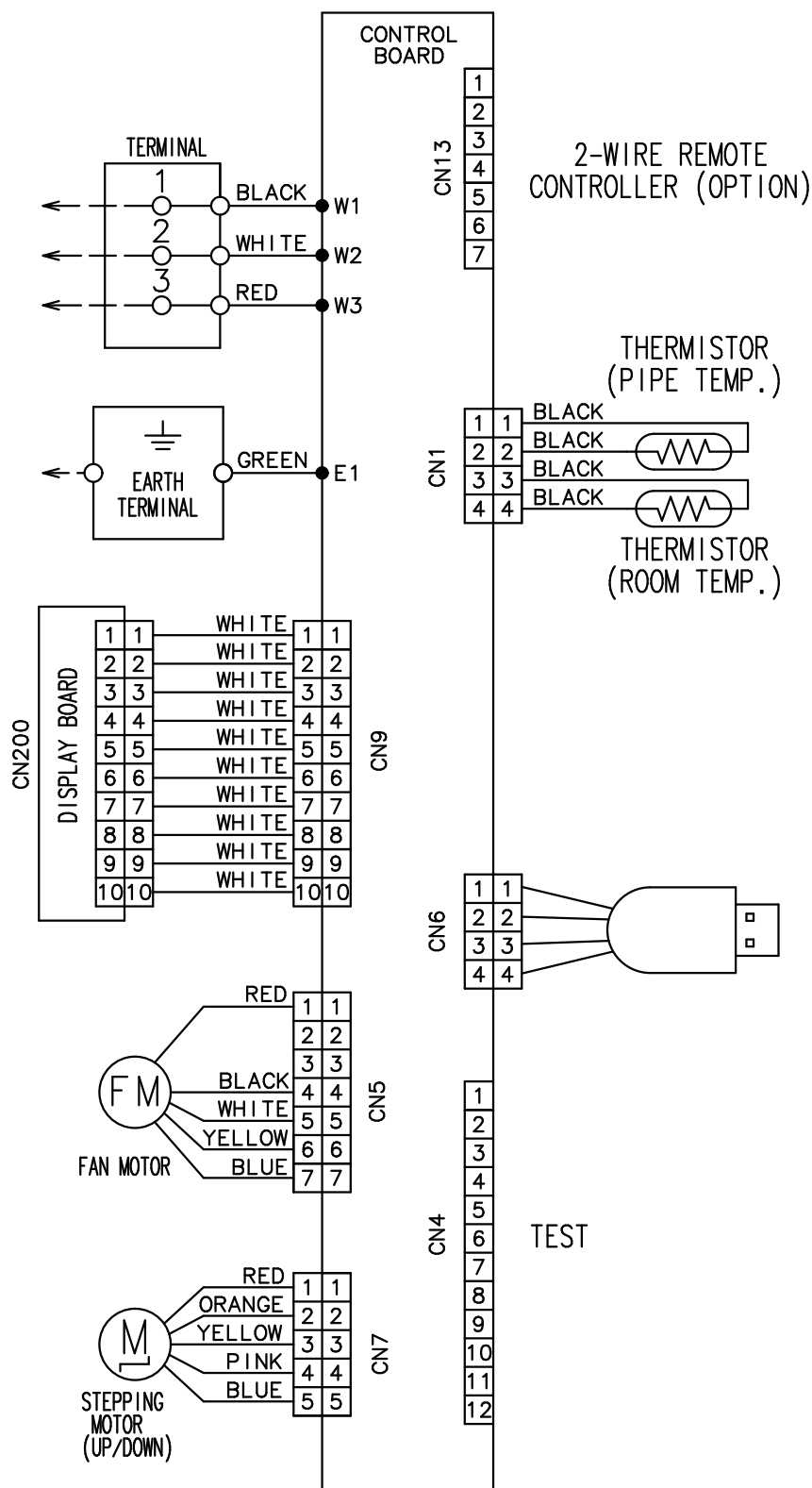## ■ Models: ASHG07KGTB, ASHG09KGTB, ASHG12KGTB, and ASHG14KGTB

■ Models: ASHG07KMTB, ASHG09KMTB, ASHG12KMTB, and ASHG14KMTB

4-3. Wall mounted type

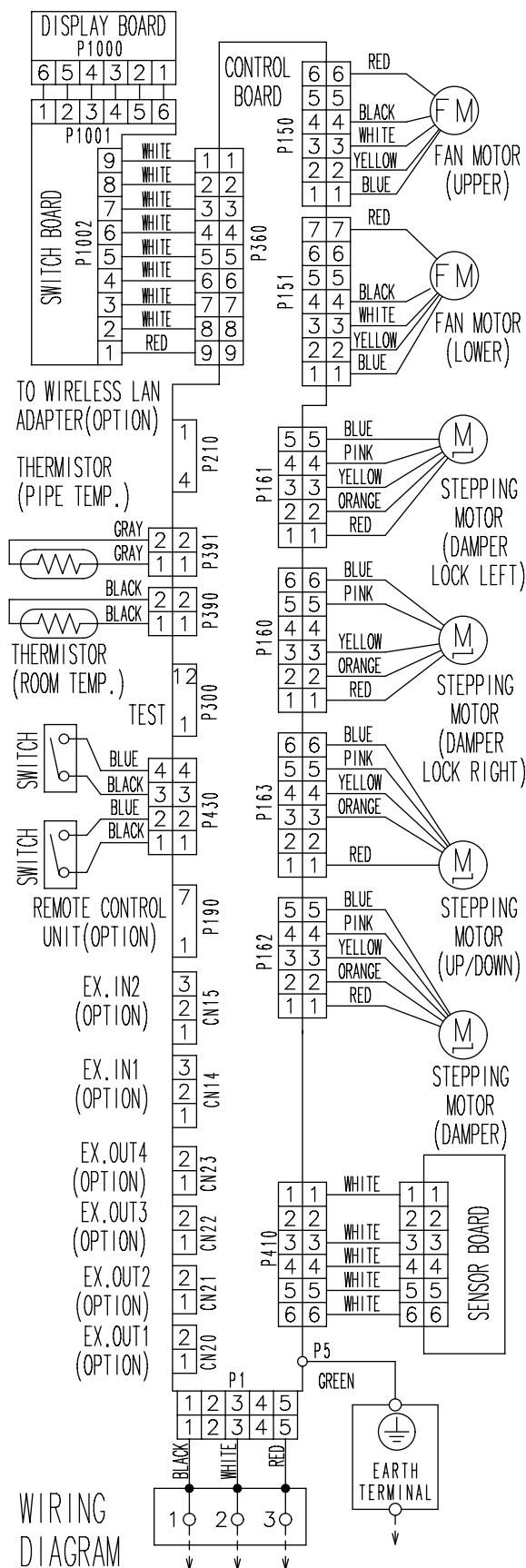4. Wiring diagrams
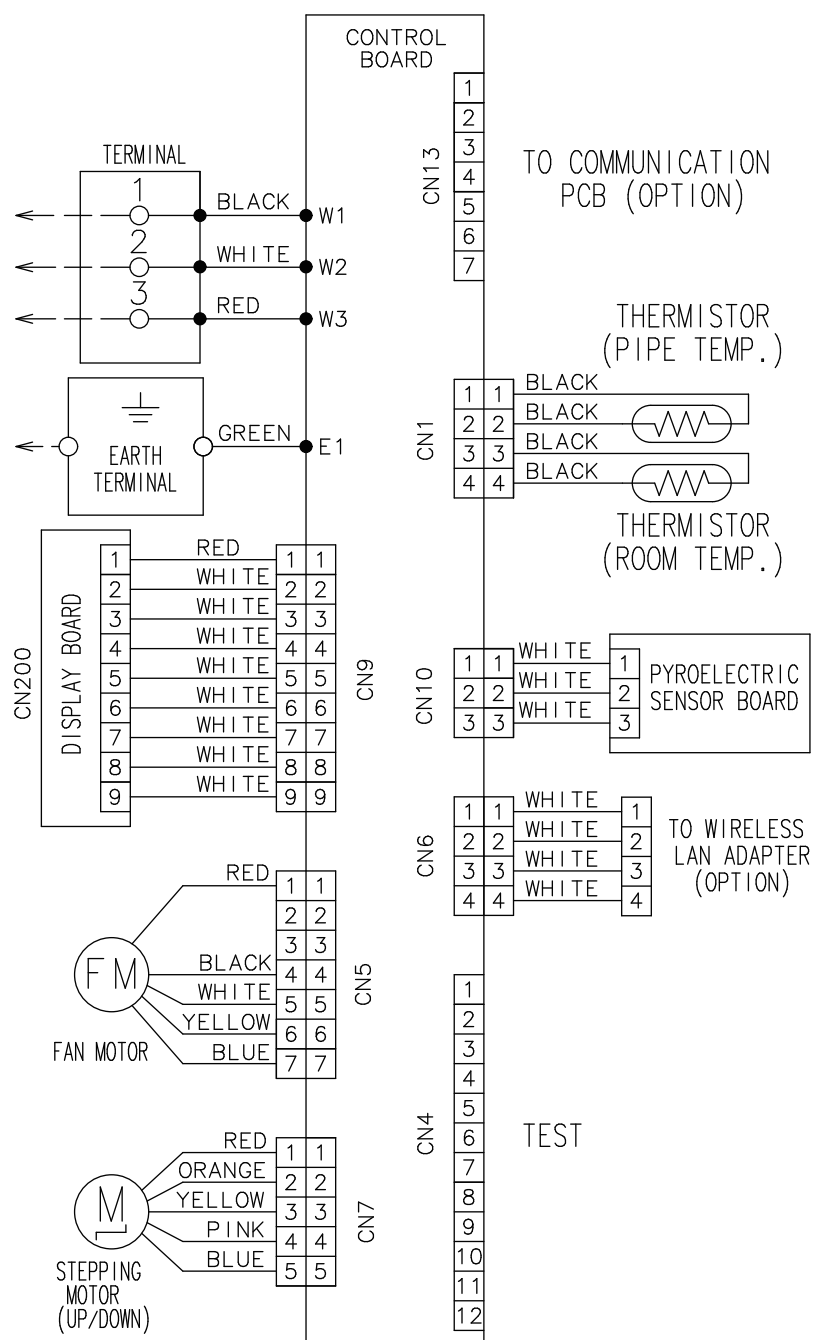
■ Models: ASHG07KMCC, ASHG09KMCC, ASHG12KMCC, and ASHG14KMCC

■ Models: ASHG07KETA, ASHG09KETA, ASHG12KETA, ASHG14KETA, ASHG07KETA-B, ASHG09KETA-B, ASHG12KETA-B, and ASHG14KETA-B

CONTROL BOARD

CN13 — 2-WIRE REMOTE CONTROLLER (OPTION)

TERMINAL

1 BLACK W1
2 WHITE W2
3 RED W3

EARTH TERMINAL — GREEN E1

CN1 — THERMISTOR (PIPE TEMP.)
1 1 BLACK
2 2 BLACK
3 3 BLACK
4 4 BLACK
THERMISTOR (ROOM TEMP.)

CN200 DISPLAY BOARD — WHITE — CN9

CN6

FM FAN MOTOR
RED / BLACK / WHITE / YELLOW / BLUE — CN5

CN4 — TEST

M STEPPING MOTOR (UP/DOWN)
RED / ORANGE / YELLOW / PINK / BLUE — CN7

4-4. Floor type

■ Models: AGHG09KVCA, AGHG12KVCA, and AGHG14KVCA
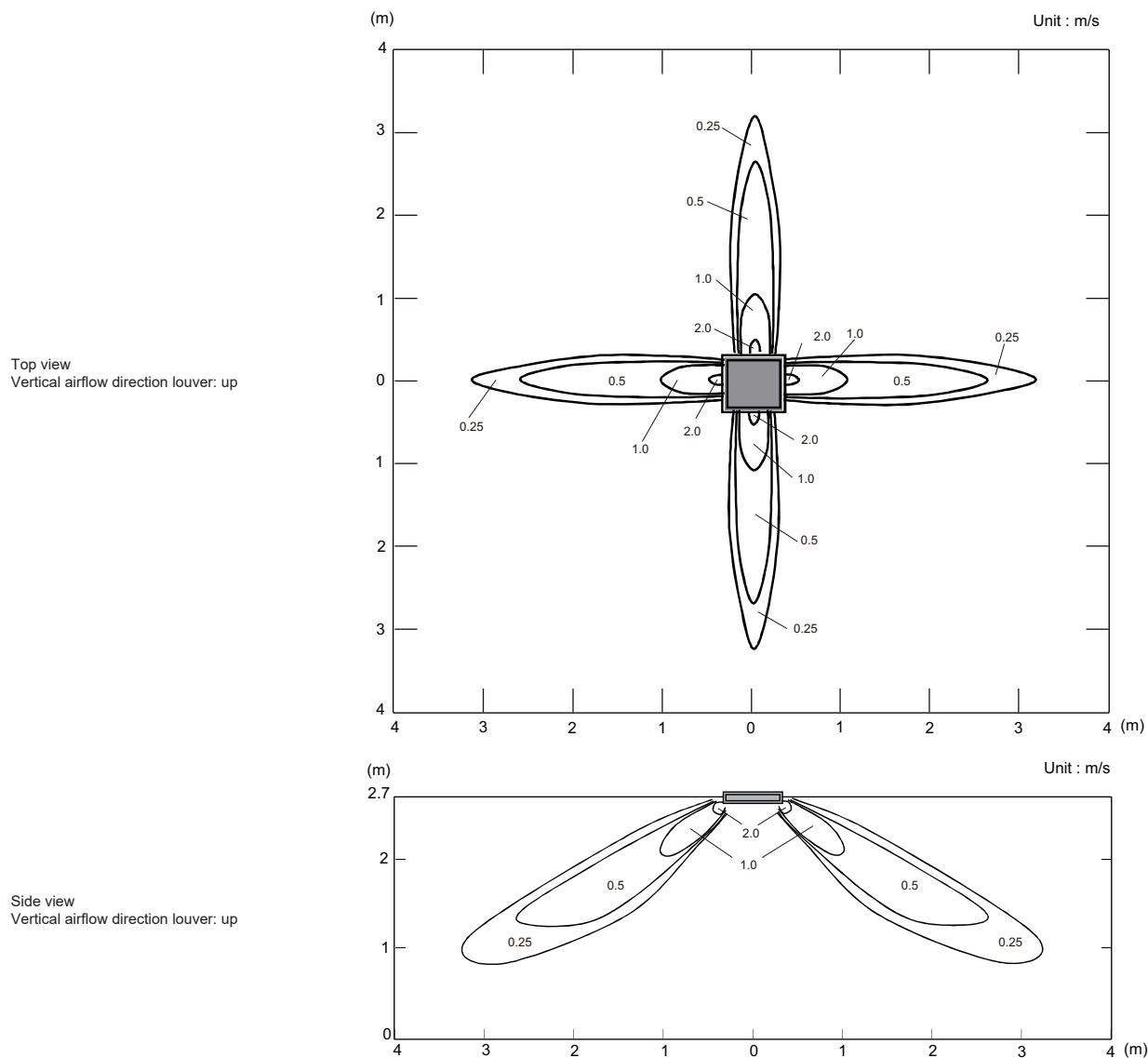

WIRING
DIAGRAM

5. Air velocity and temperature distributions

5-1. Compact cassette type

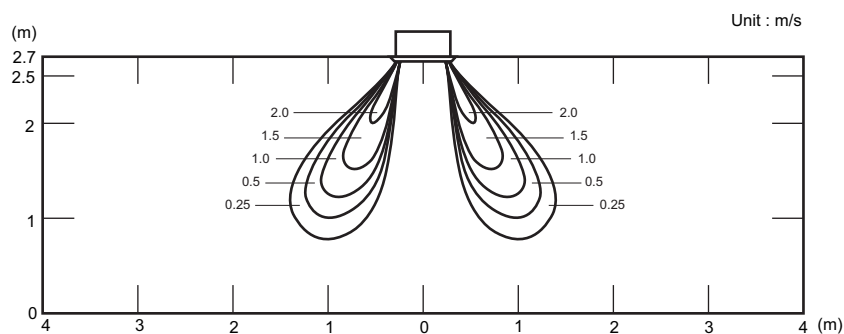### ■ Models: AUXG07KVLA and AUXG09KVLA

• Air velocity distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

(m)   Unit : m/s

Top view
Vertical airflow direction louver: up

(m)   Unit : m/s

Side view
Vertical airflow direction louver: up

• Air velocity distribution

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

Unit : m/s

Side view
Vertical airflow direction louver: down

• Air temperature distribution

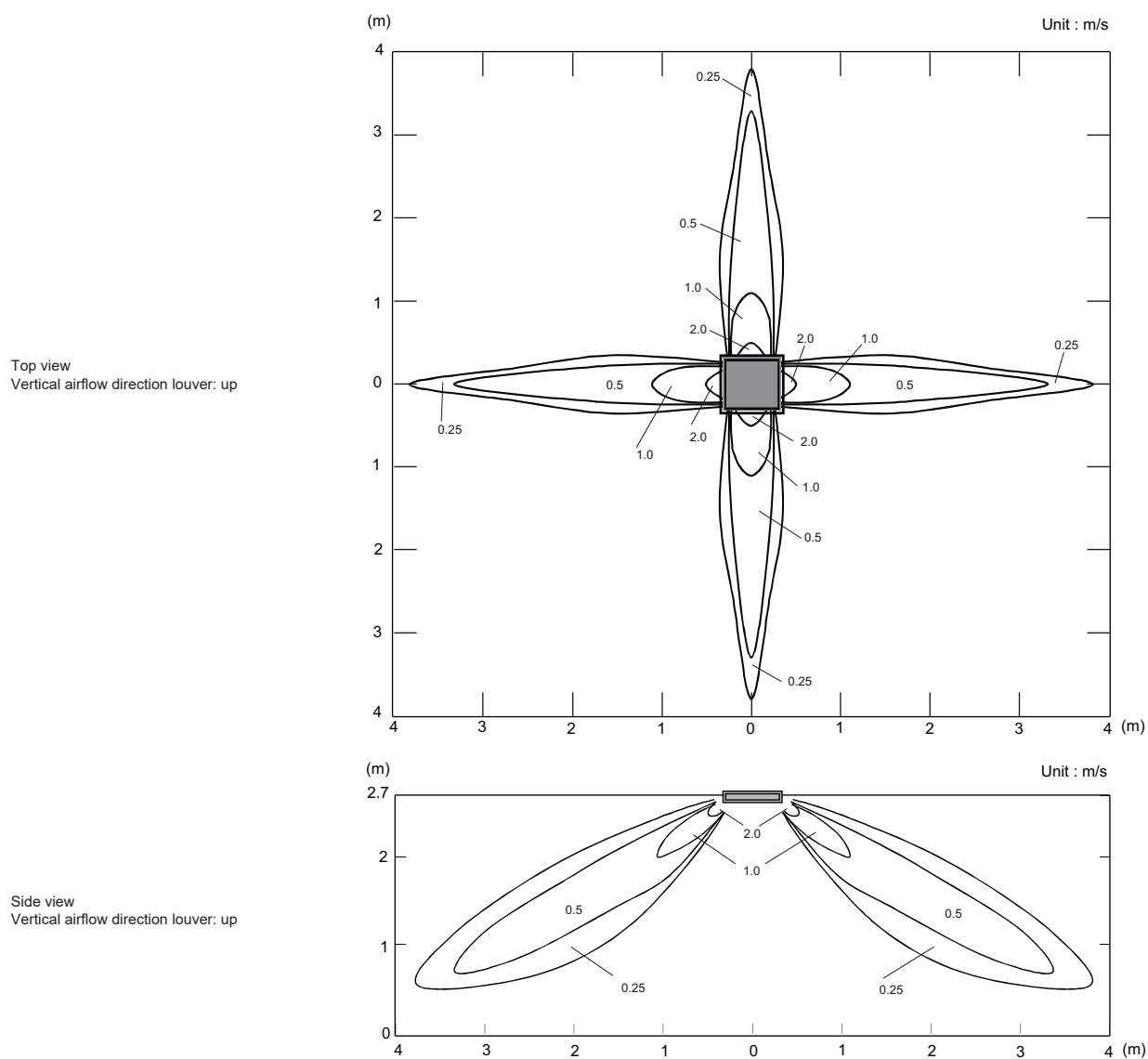| Measuring conditions **NOTE:** Reference data	Fan speed	Operation mode	Outlet directions
	HIGH	HEAT	4-way air outlet

Unit : °C

Side view
Vertical airflow direction louver: down

■ Model: AUXG12KVLA

• Air velocity distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

Top view
Vertical airflow direction louver: up

Side view
Vertical airflow direction louver: up

5-1. Compact cassette type   5. Air velocity and temperature distributions

• Air velocity distribution

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

Unit : m/s

Side view
Vertical airflow direction louver: down

• Air temperature distribution

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

Unit : °C

Side view
Vertical airflow direction louver: down

5-1. Compact cassette type

5. Air velocity and temperature distributions

■ Model: AUXG14KVLA

• Air velocity distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

(m)   Unit : m/s

Top view
Vertical airflow direction louver: up

Side view
Vertical airflow direction louver: up

• Air velocity distribution

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

Unit : m/s

Side view
Vertical airflow direction louver: down

(m)
2.7
2.5
2
2.0
1.5
1.0
0.5
0.25
1
0
4   3   2   1   0   1   2   3   4 (m)

• Air temperature distribution

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

Unit : °C

Side view
Vertical airflow direction louver: down

(m)
2.7
2.5
2
30
28
26
24
22
1
0
4   3   2   1   0   1   2   3   4 (m)

5-1. Compact cassette type   5. Air velocity and temperature distributions
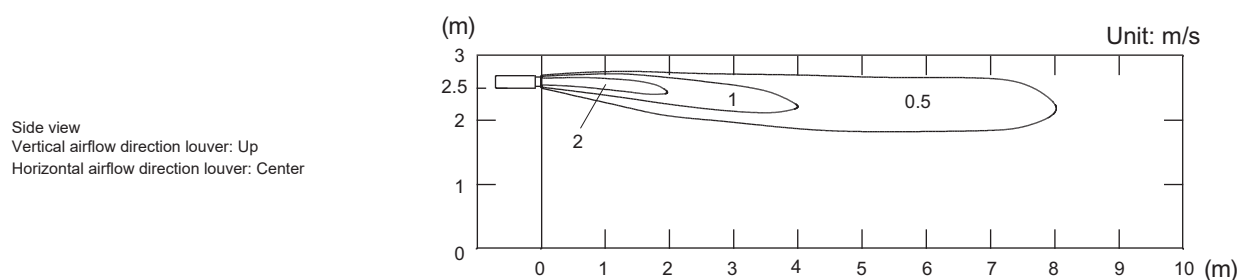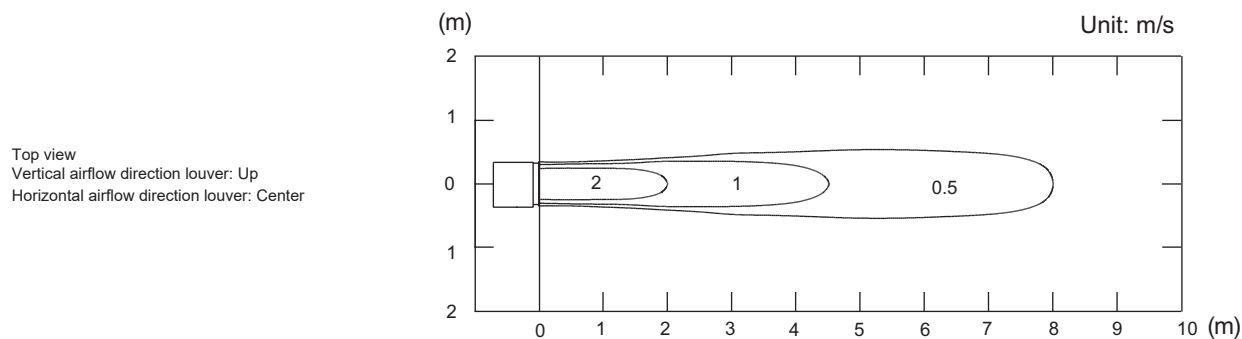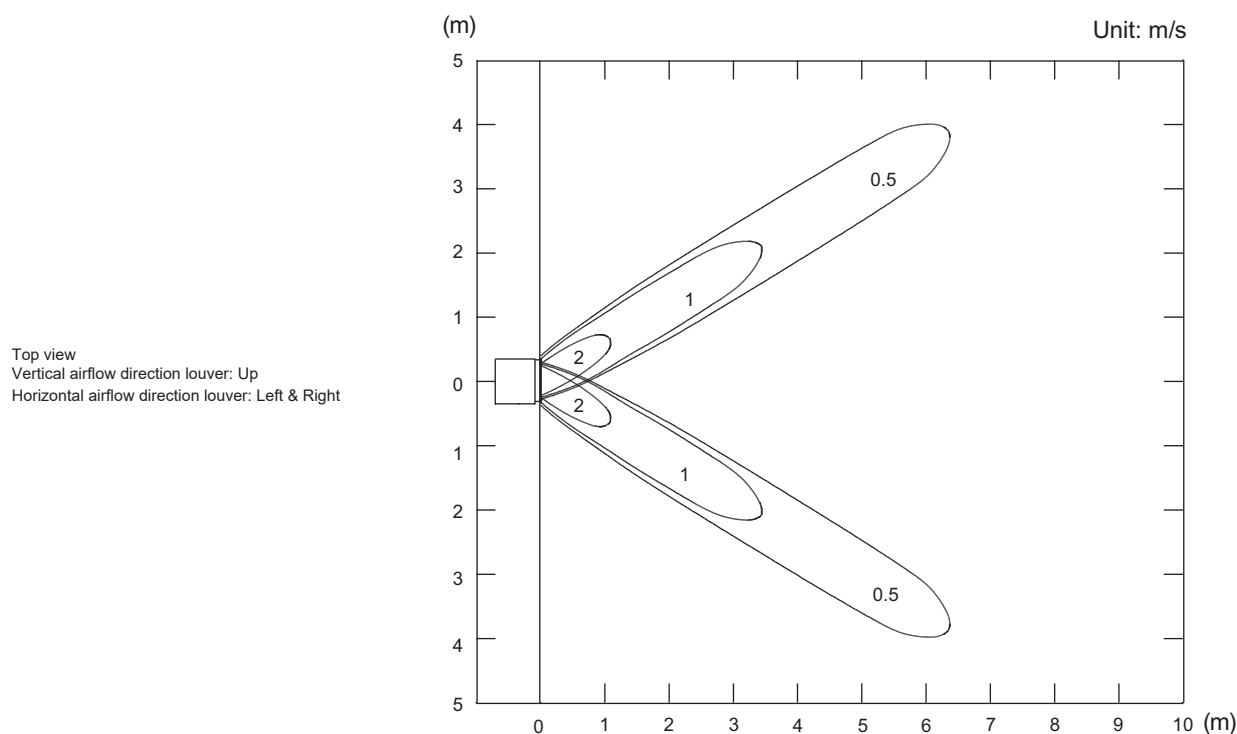
5-2. Mini duct type

■ 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

(m)   Unit: m/s

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

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

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

• Air velocity distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT

(m)

Unit: m/s

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

• Air temperature distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT

(m)

Unit: °C

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

5-2. Mini duct type   5. Air velocity and temperature distributions

■ Model: ARXG09KSLAP

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

• Air velocity distribution

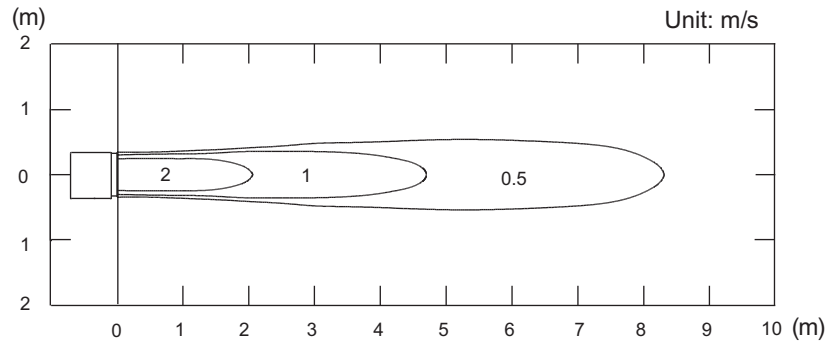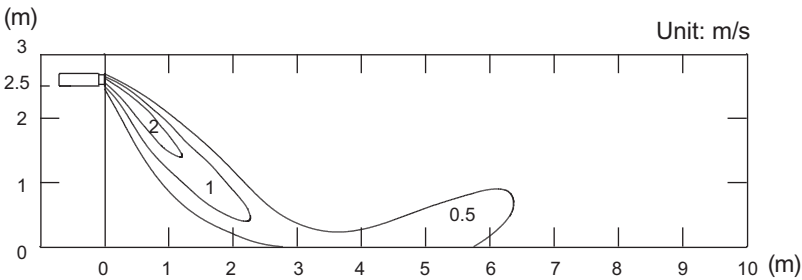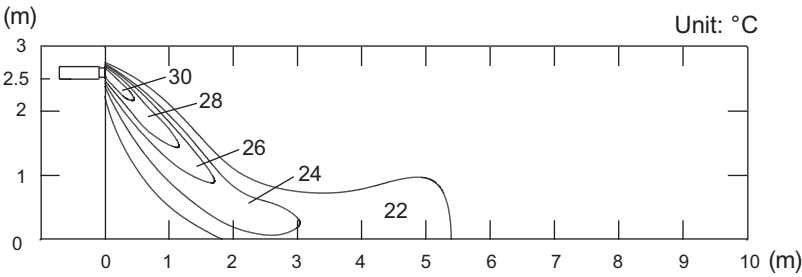| Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

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

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

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

- Air velocity distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT

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

Unit: m/s

- Air temperature distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT

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

Unit: °C

■ Model: ARXG12KSLAP

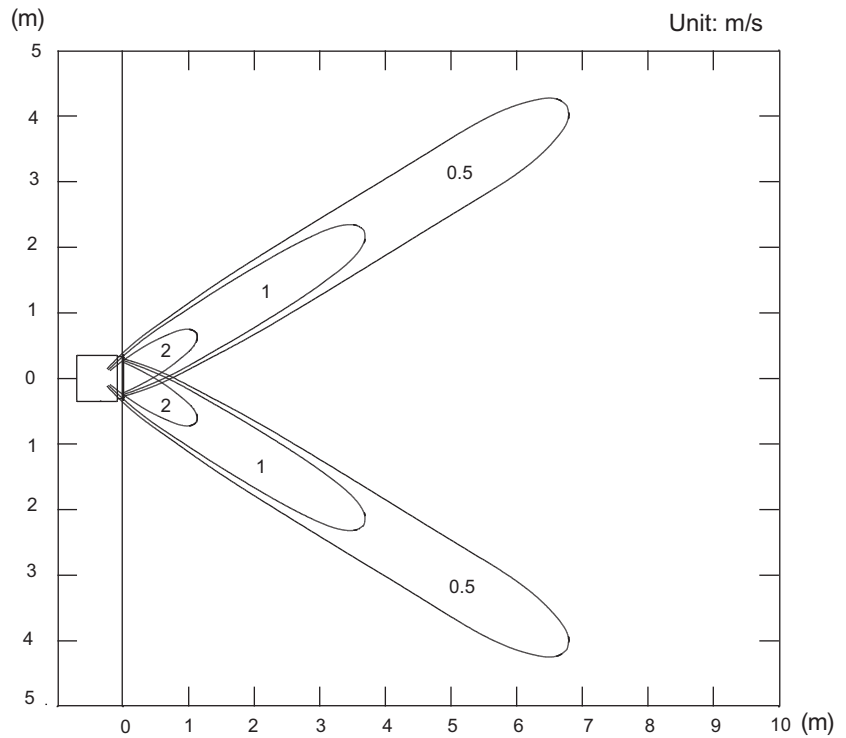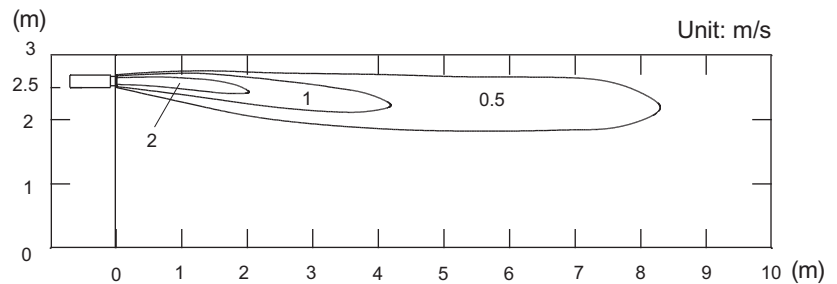**NOTE:** This data is measured after installing optional Auto louver grille kit.

• Air velocity distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

Unit: m/s

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

Unit: m/s

Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Left & Right
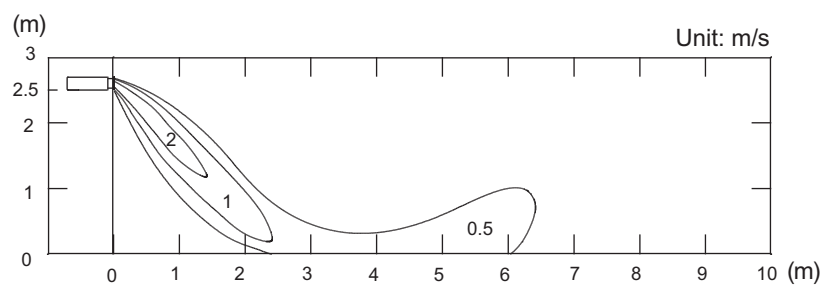
Unit: m/s

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

- Air velocity distribution

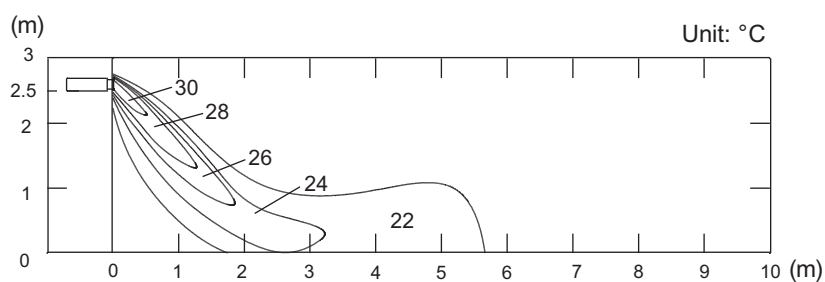| Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT

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

Unit: m/s

- Air temperature distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT

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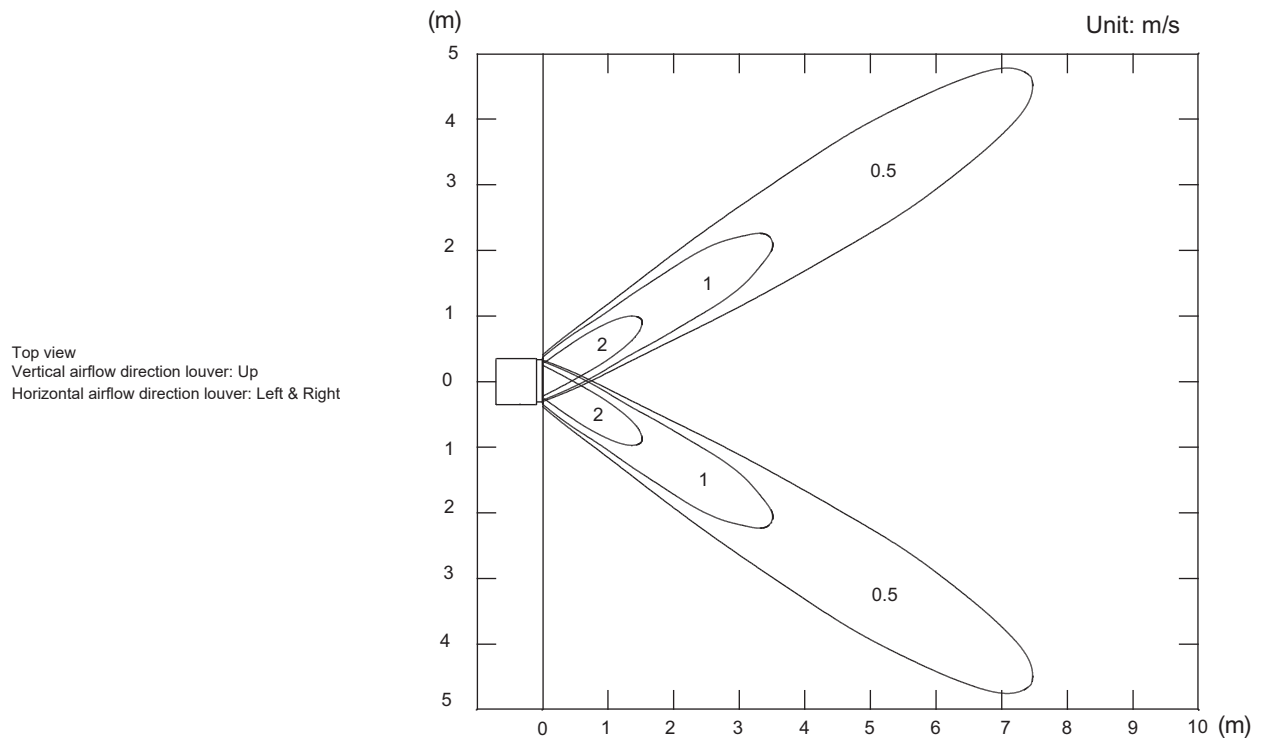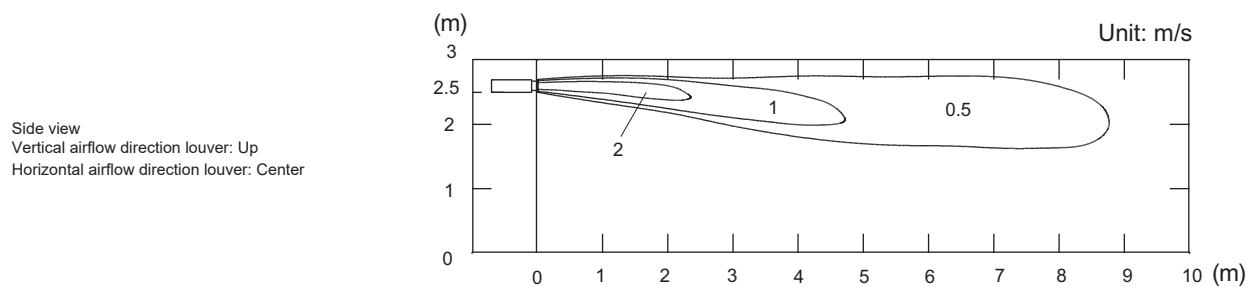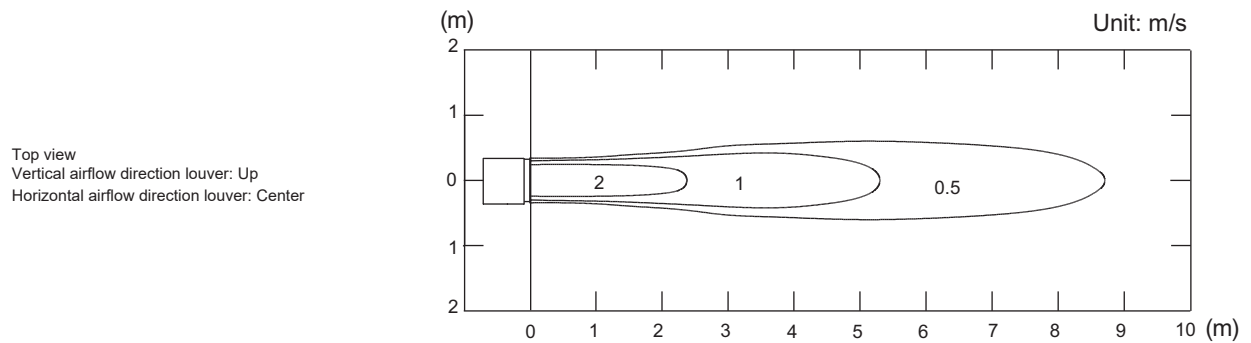Horizontal airflow direction louver: Center

Unit: °C

■ Model: ARXG14KSLAP

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

• Air velocity distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

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

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

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

5-2. Mini duct type

5. Air velocity and temperature distributions

- Air velocity distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT

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

Unit: m/s

- Air temperature distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT

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

Unit: °C

5-3. Slim duct type

■ Model: ARXG07KLLAP

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

• Air velocity distribution

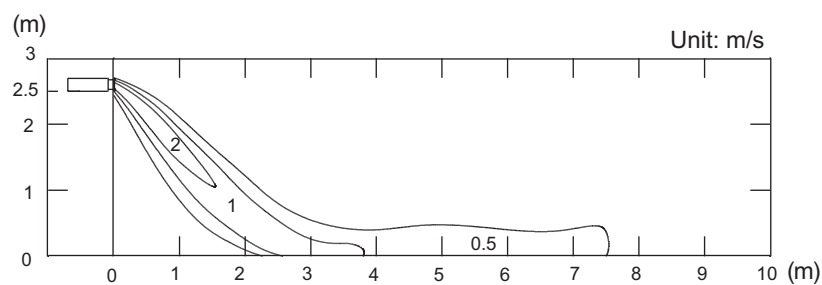| Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

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

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

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

• Air velocity distribution

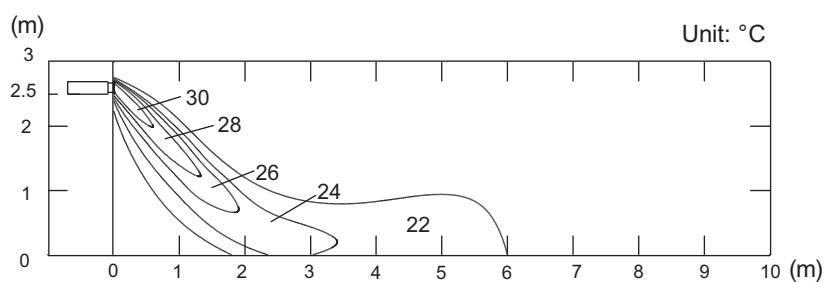| Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT

(m)

Unit: m/s

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

• Air temperature distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT

(m)

Unit: °C

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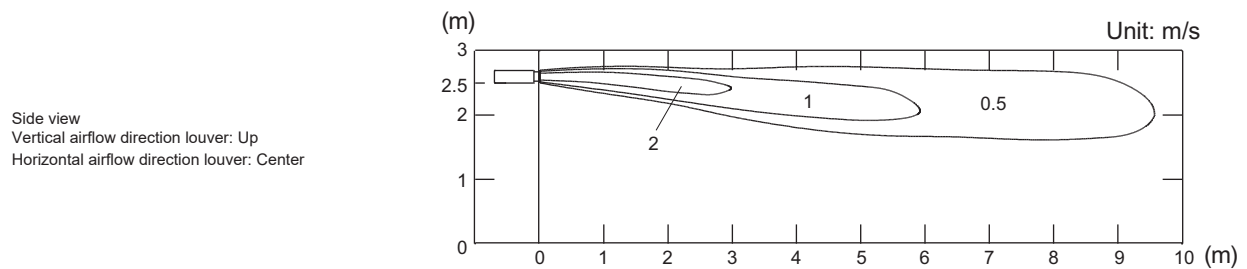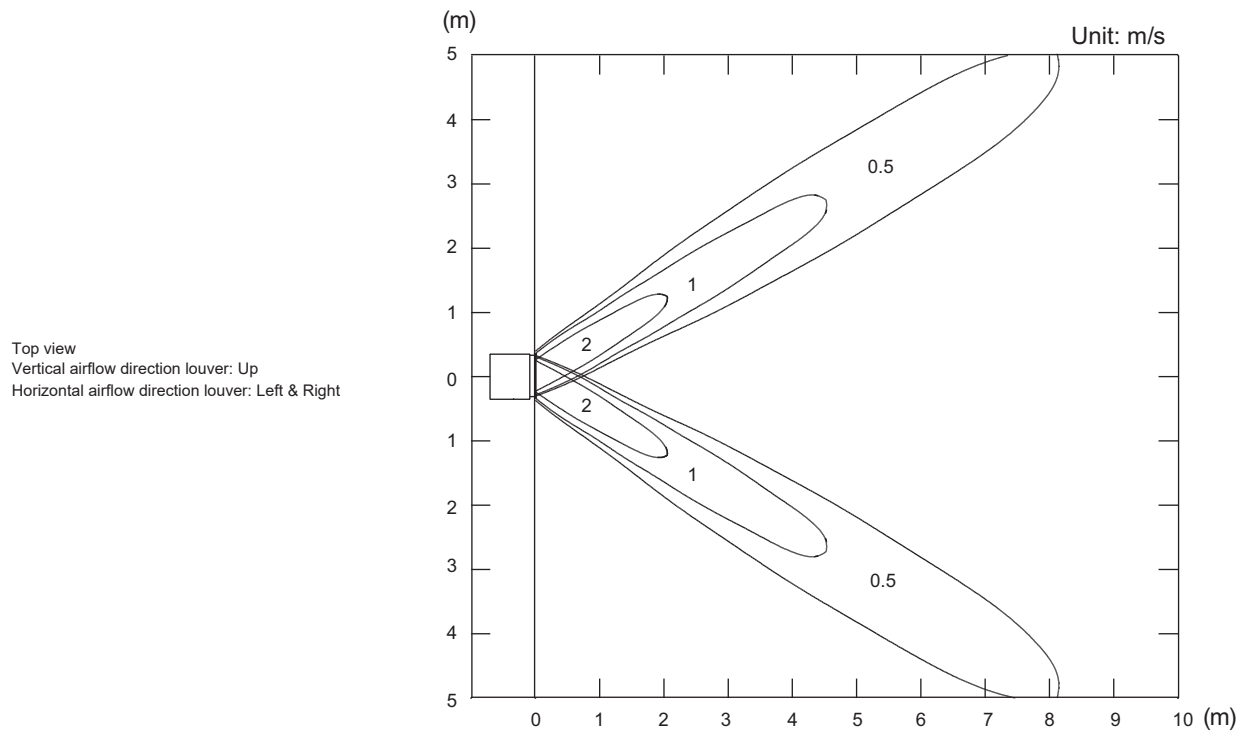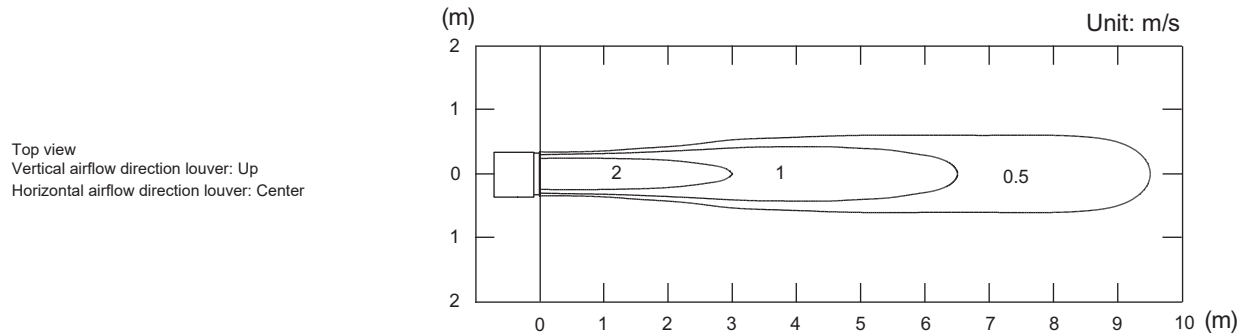Horizontal airflow direction louver: Center

■ Model: ARXG09KLLAP

NOTE: This data is measured after installing optional Auto louver grille kit.
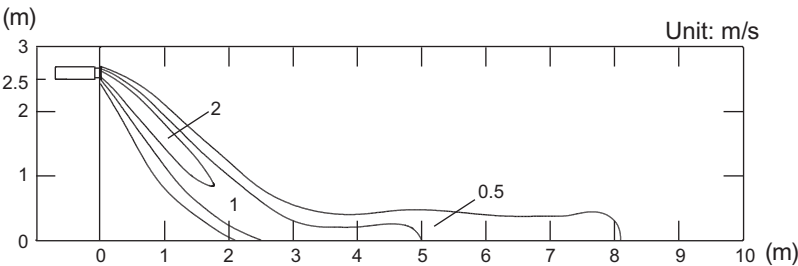
- Air velocity distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

(m)   Unit: m/s

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

(m)   Unit: m/s

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

(m)   Unit: m/s

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

5-3. Slim duct type   5. Air velocity and temperature distributions

• Air velocity distribution

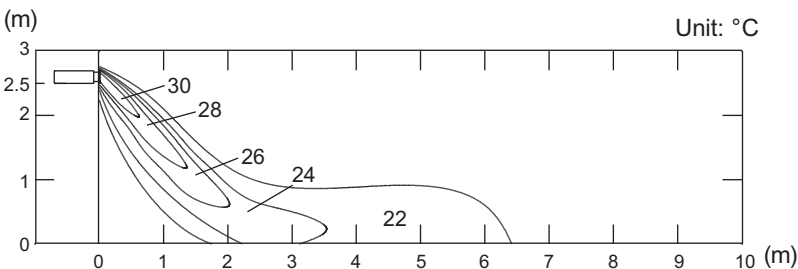| Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT

(m)

Unit: m/s

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

• Air temperature distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT

(m)

Unit: °C

Side view
Vertical airflow direction louver: Down
Horizontal airflow direction louver: Center
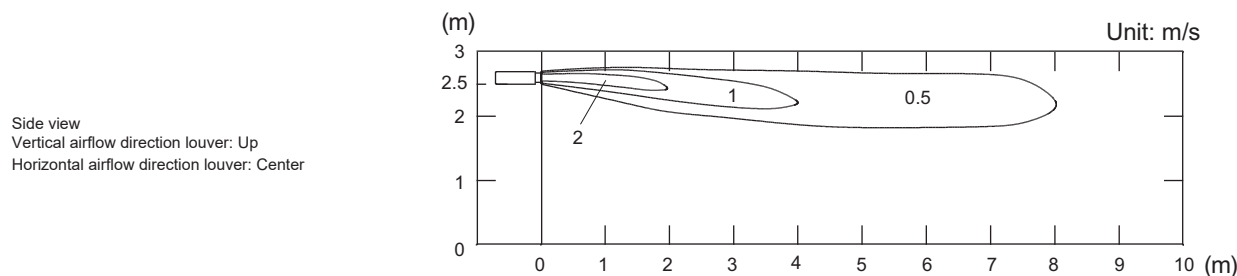
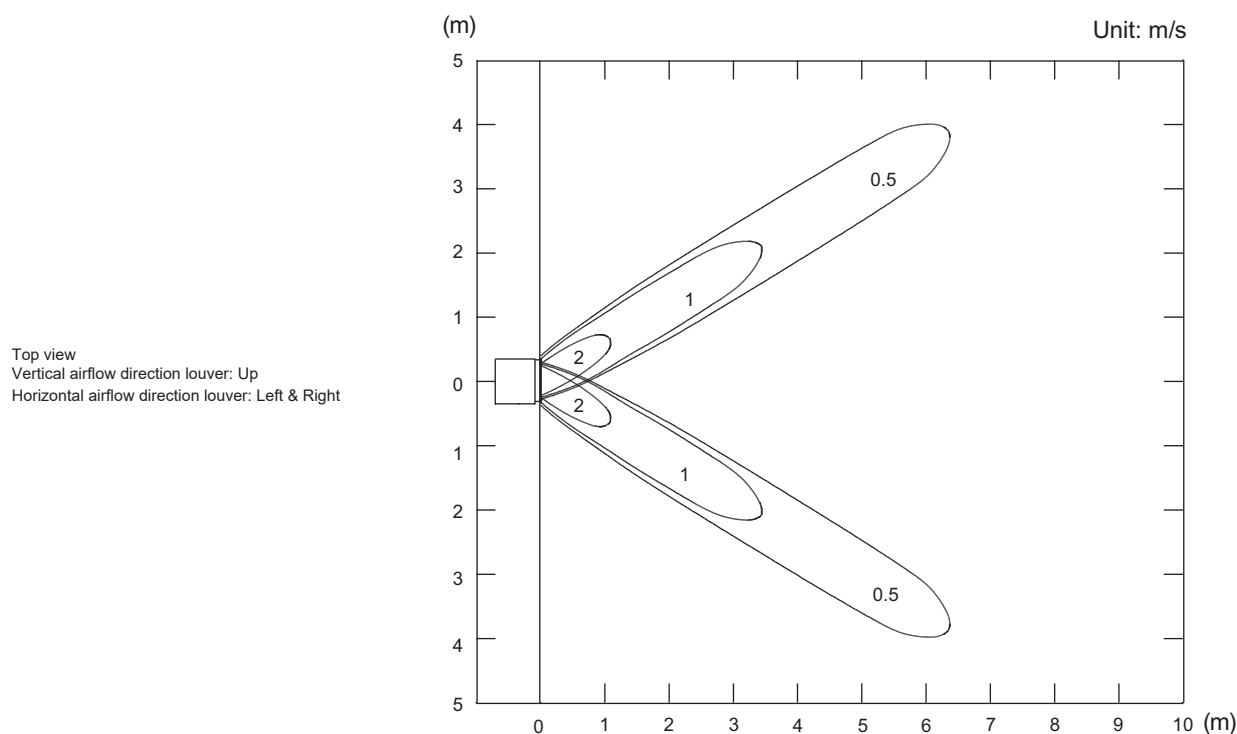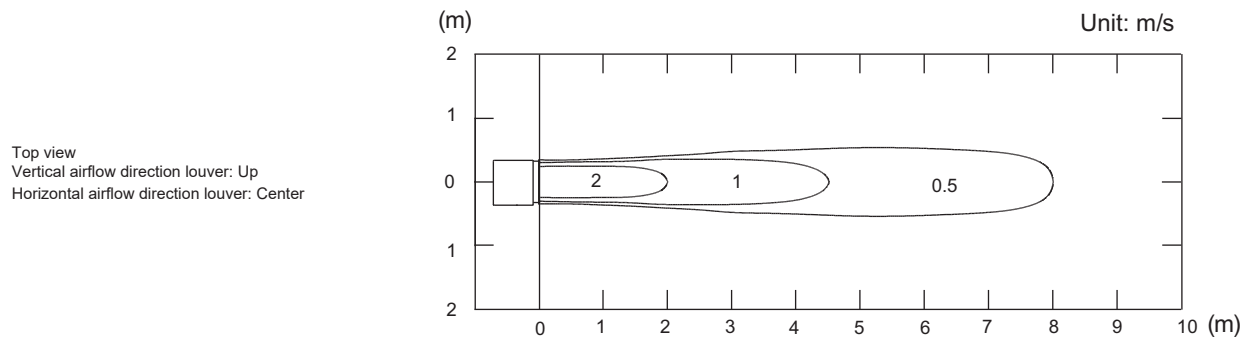5-3. Slim duct type

5. Air velocity and temperature distributions

■ Model: ARXG12KLLAP

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

• Air velocity distribution

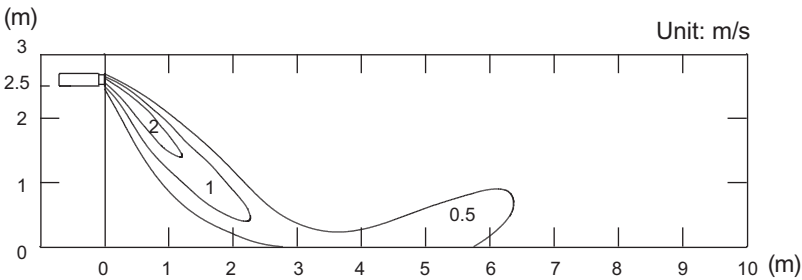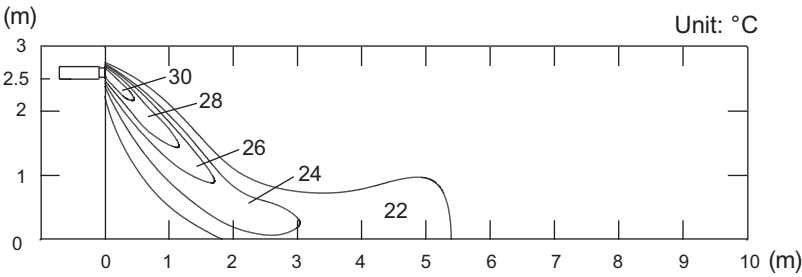| Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

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

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

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

5-3. Slim duct type   5. Air velocity and temperature distributions

• Air velocity distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT

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

Unit: m/s

(m)

• Air temperature distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT

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

Unit: °C

(m)

5-3. Slim duct type
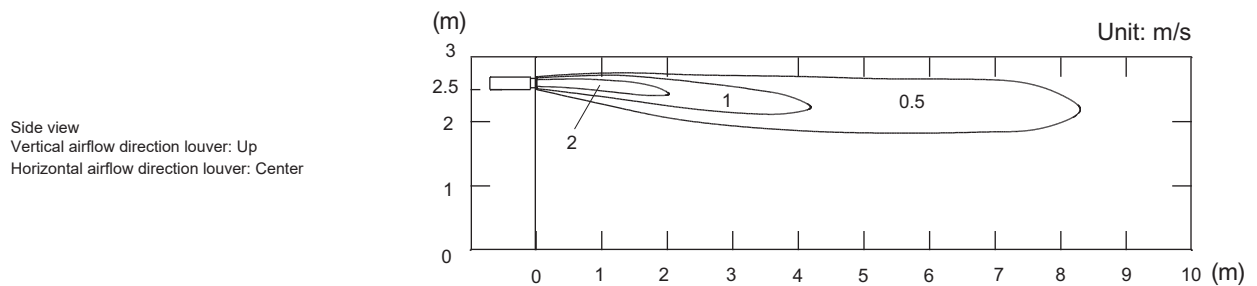
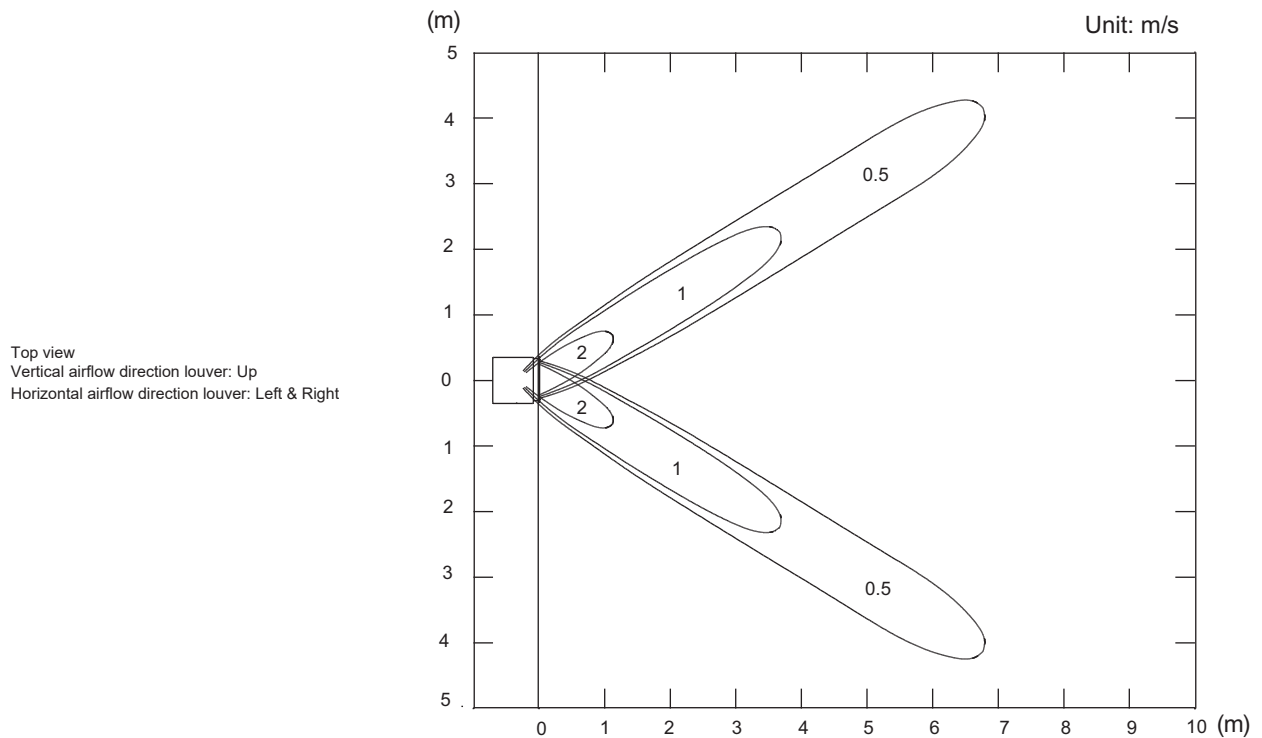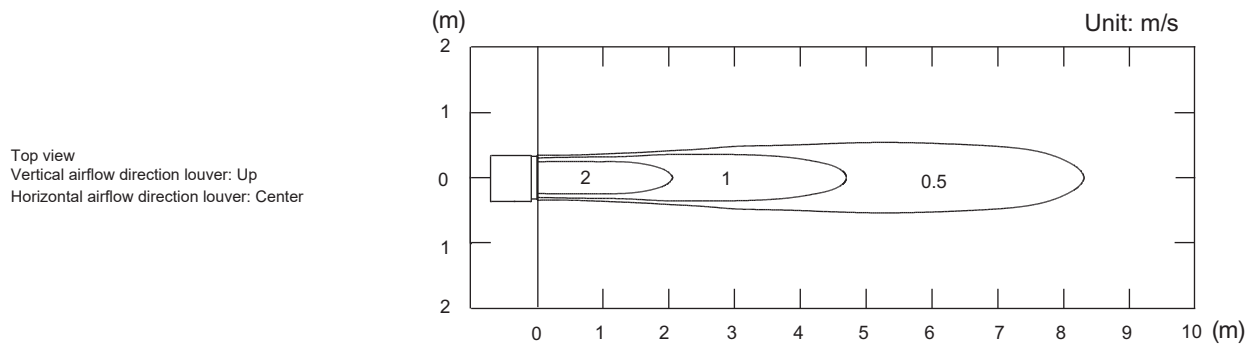5. Air velocity and temperature distributions
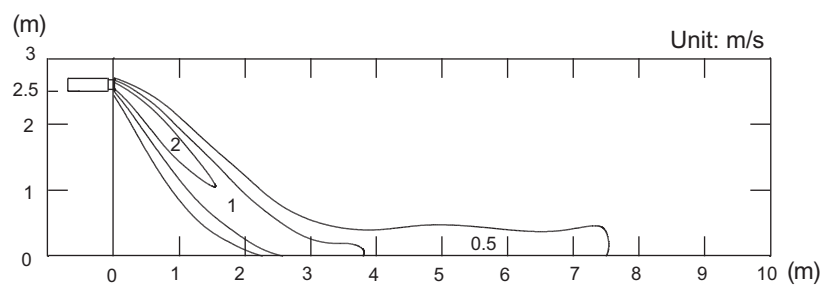
■ Model: ARXG14KLLAP

NOTE: This data is measured after installing optional Auto louver grille kit.
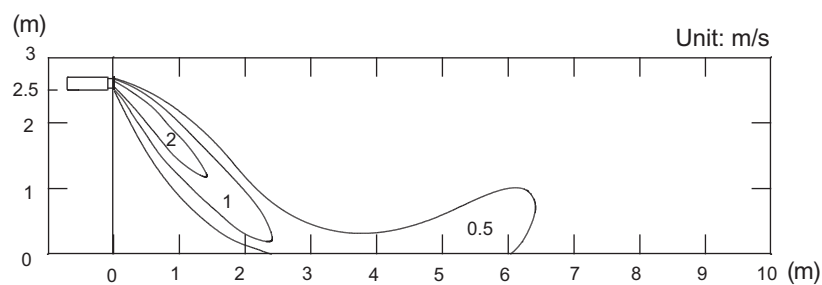
• Air velocity distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

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

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

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

5-3. Slim duct type

5. Air velocity and temperature distributions

• Air velocity distribution

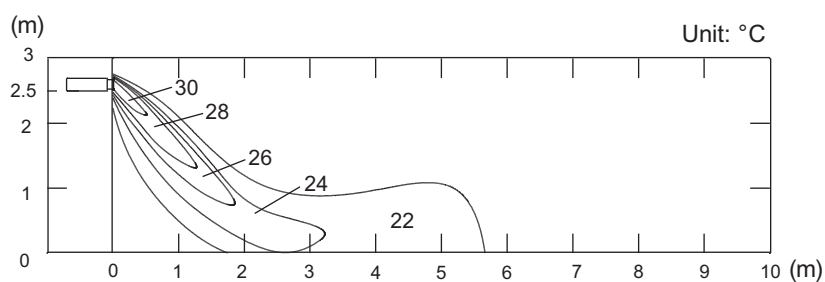| Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT

(m)

Unit: m/s

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

• Air temperature distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT

(m)

Unit: °C

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

5-3. Slim duct type

5. Air velocity and temperature distributions

5-4. Wall mounted type

■ Models: ASHG07KGTB, ASHG09KGTB, ASHG07KMTB, ASHG09KMTB, ASHG12KMTB, ASHG07KMCC, ASHG09KMCC, ASHG12KMCC, ASHG07KETA, ASHG09KETA, ASHG12KETA, ASHG07KETA-B, ASHG09KETA-B, and ASHG12KETA-B

Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

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

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

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

Side view
Vertical airflow direction louver: Down
Horizontal airflow direction louver: Center
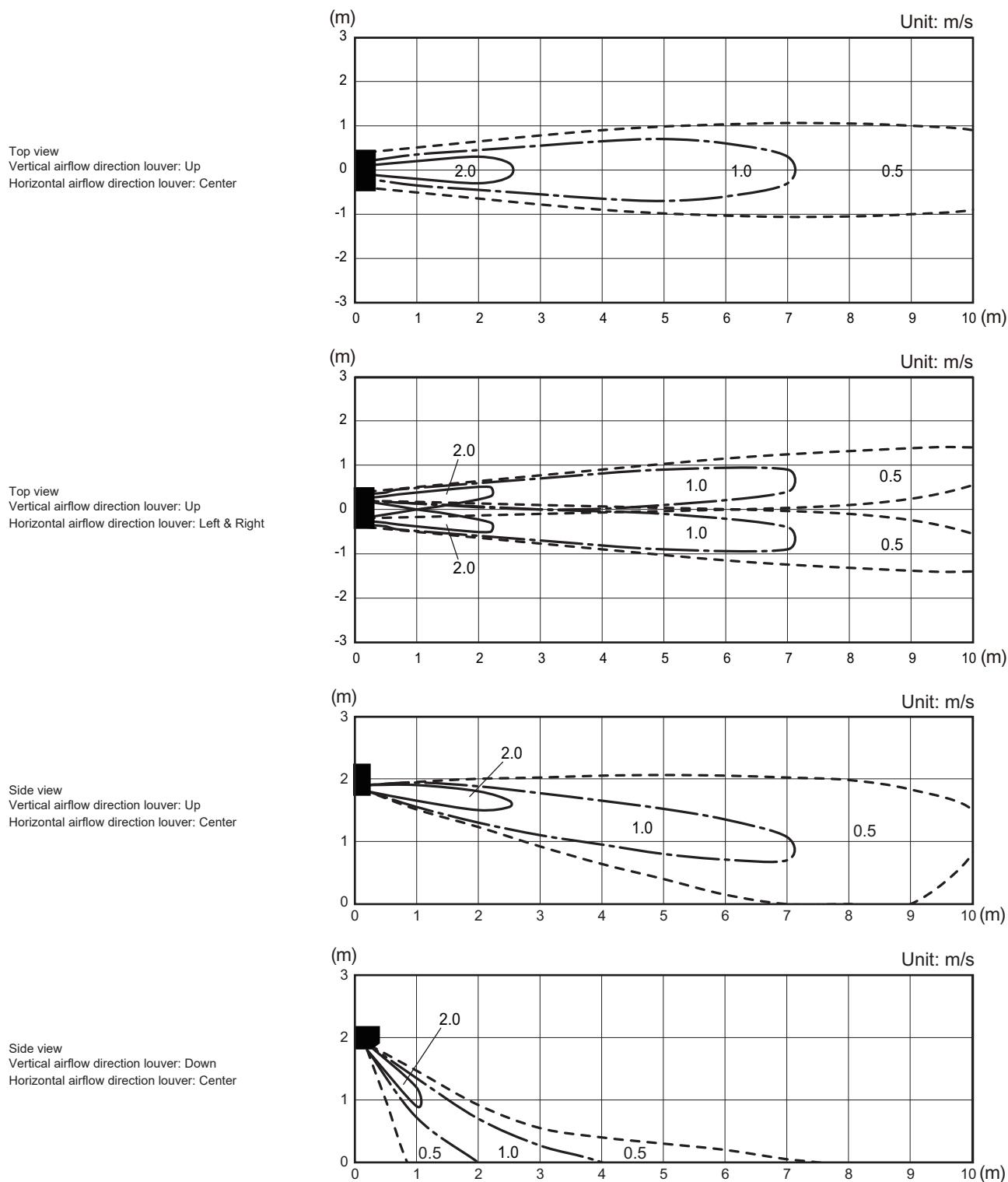
■ Models: ASHG12KGTB, ASHG14KGTB, ASHG14KMTB, ASHG14KMCC, ASHG14KETA, and ASHG14KETA-B

Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

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

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

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

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

5-4. Wall mounted type

5. Air velocity and temperature distributions

5-5. Floor type

■ Models: AGHG09KVCA, AGHG12KVCA, and AGHG14KVCA

Measuring conditions	Fan speed	Operation mode	Fan select
	HIGH	FAN	Upper and lower

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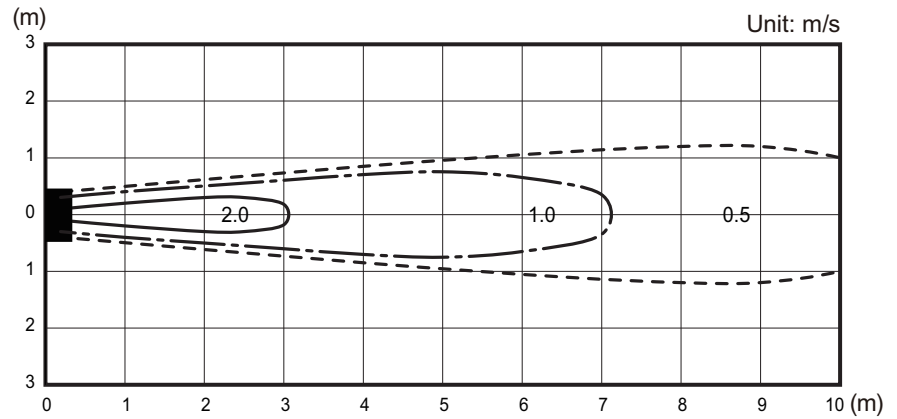
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Left & Right
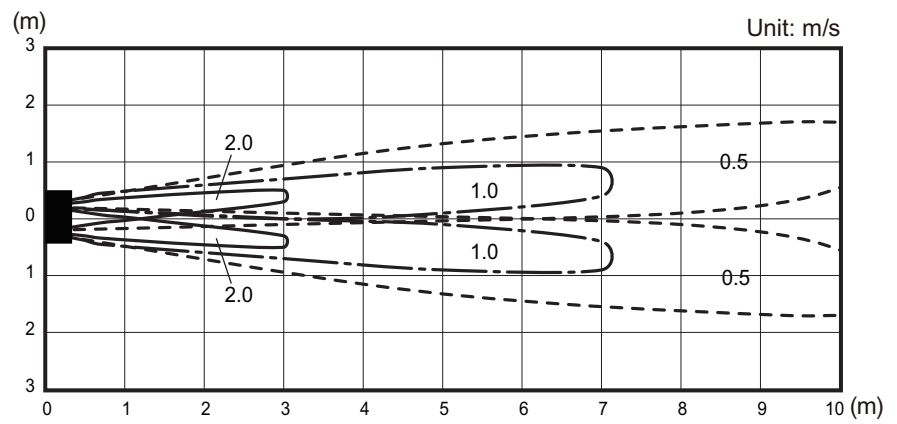
Side view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Center
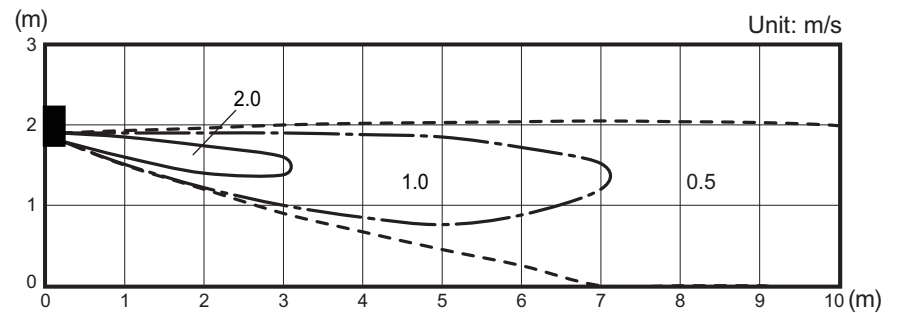
Side view
Vertical airflow direction louver: Down
Horizontal airflow direction louver: Center

5-5. Floor type   5. Air velocity and temperature distributions
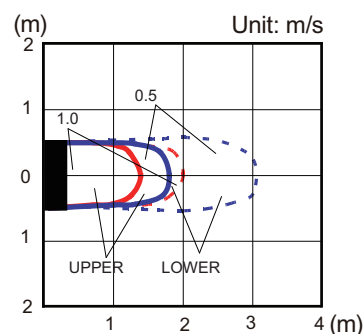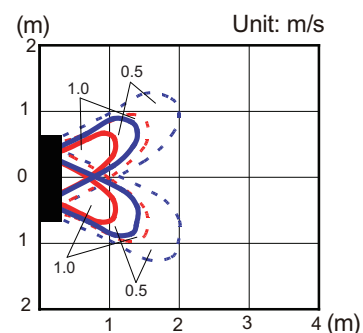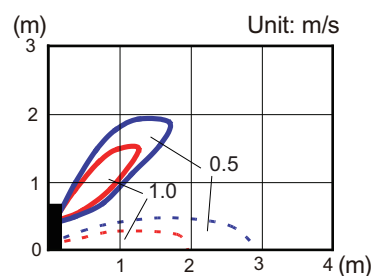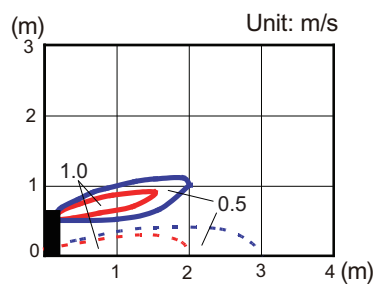
6. Fan performance

6-1. Mini duct type

■ Model: ARXG07KSLAP
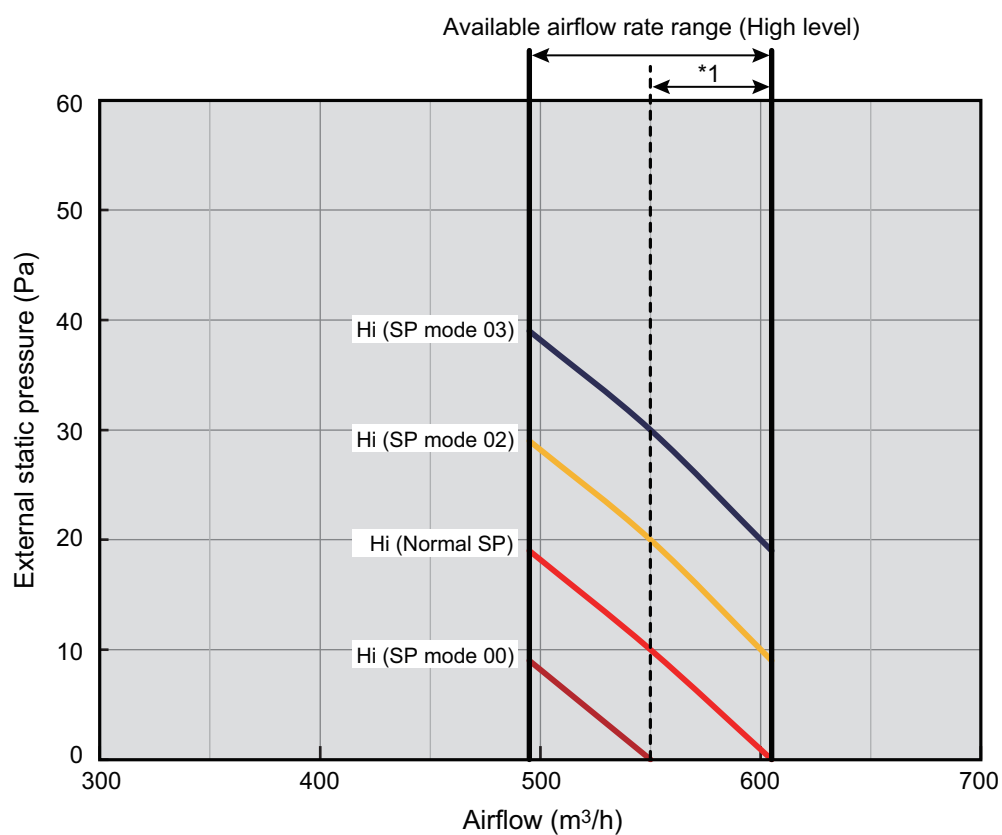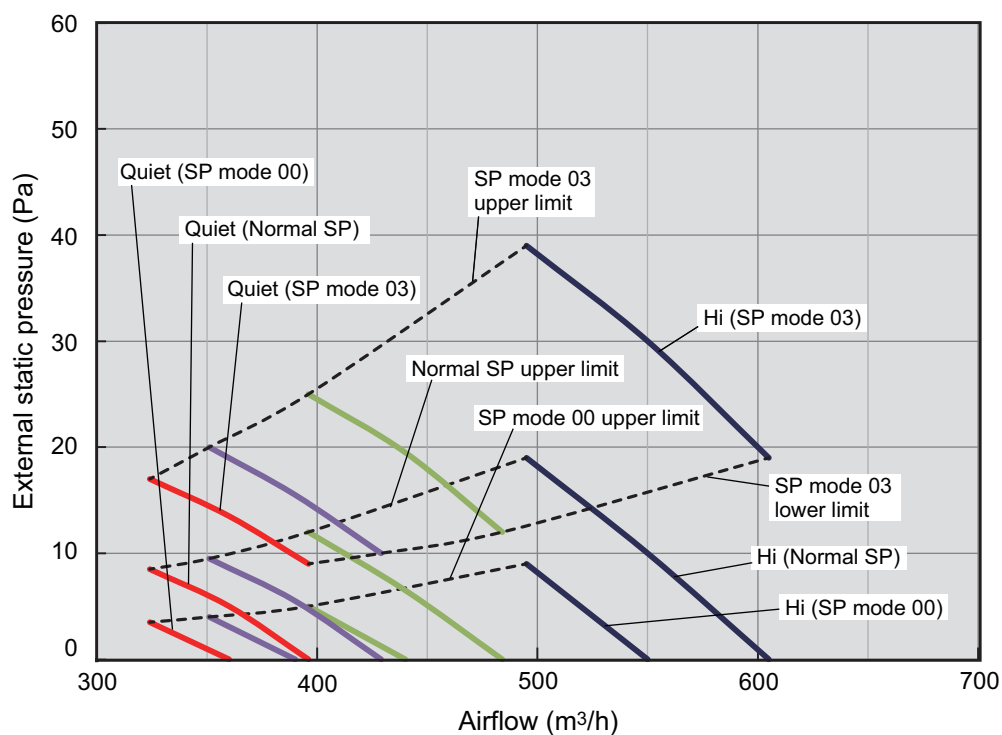
Available airflow rate range (High level)

*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: ARXG09KSLAP

External static pressure (Pa) vs **Airflow (m³/h)**

Labels on upper chart:
- Quiet (SP mode 00)
- Quiet (Normal SP)
- Quiet (SP mode 03)
- SP mode 03 upper limit
- SP mode 00 upper limit
- Normal SP upper limit
- Hi (SP mode 03)
- SP mode 03 lower limit
- Hi (Normal SP)
- Hi (SP mode 00)

Available airflow rate range (High level)

*1

Labels on lower chart:
- Hi (SP mode 03)
- Hi (SP mode 02)
- Hi (Normal SP)
- Hi (SP mode 00)

*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**

6-1. Mini duct type

6. Fan performance
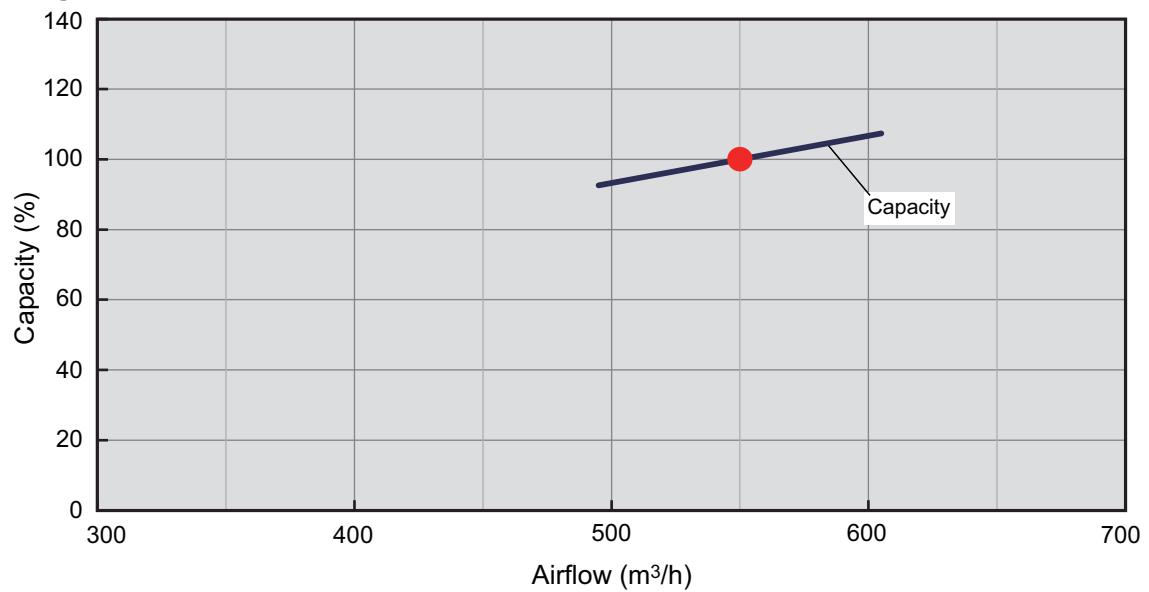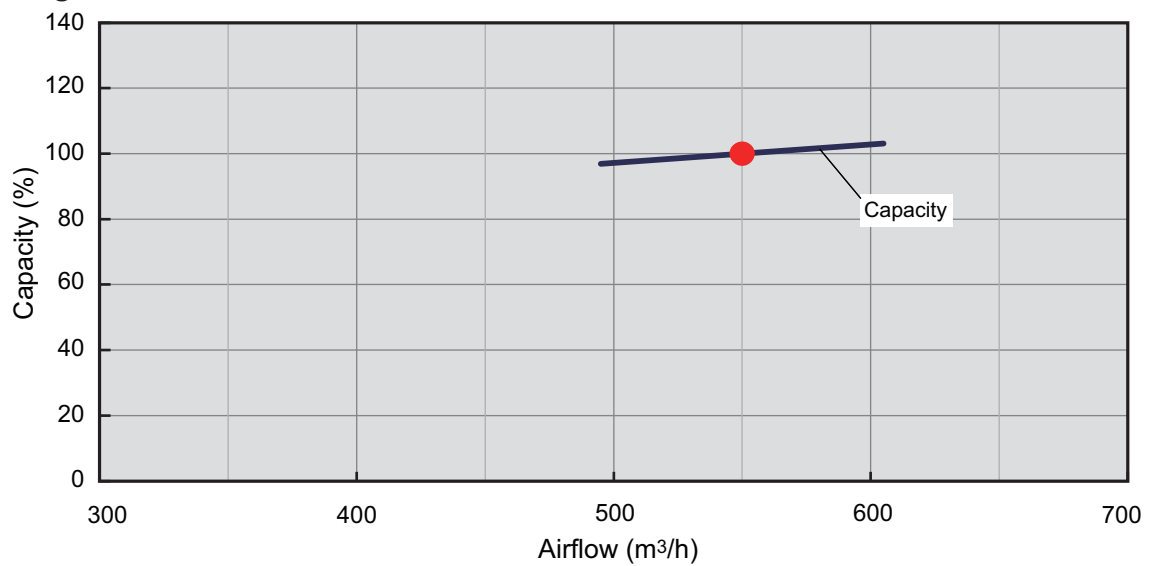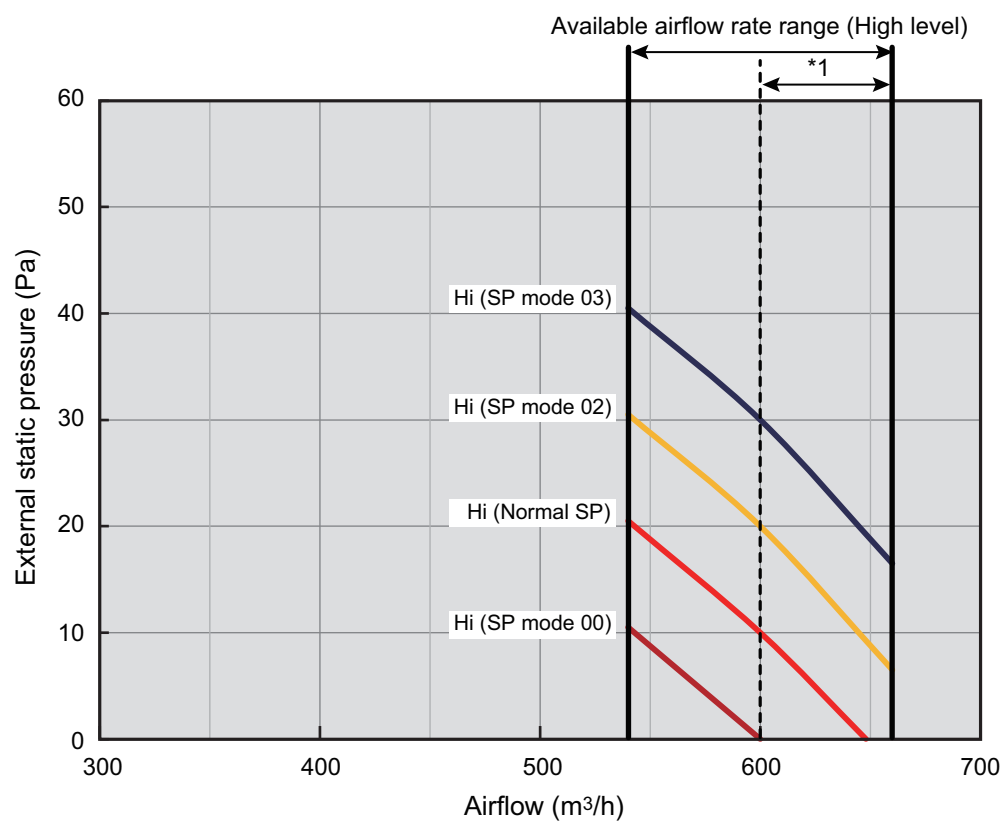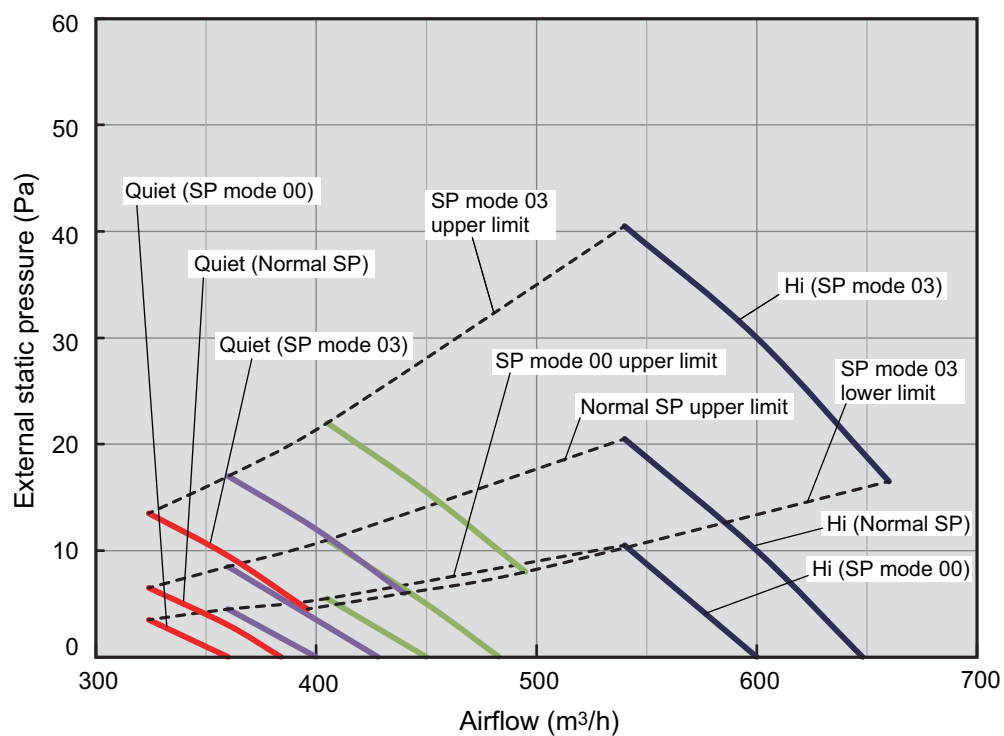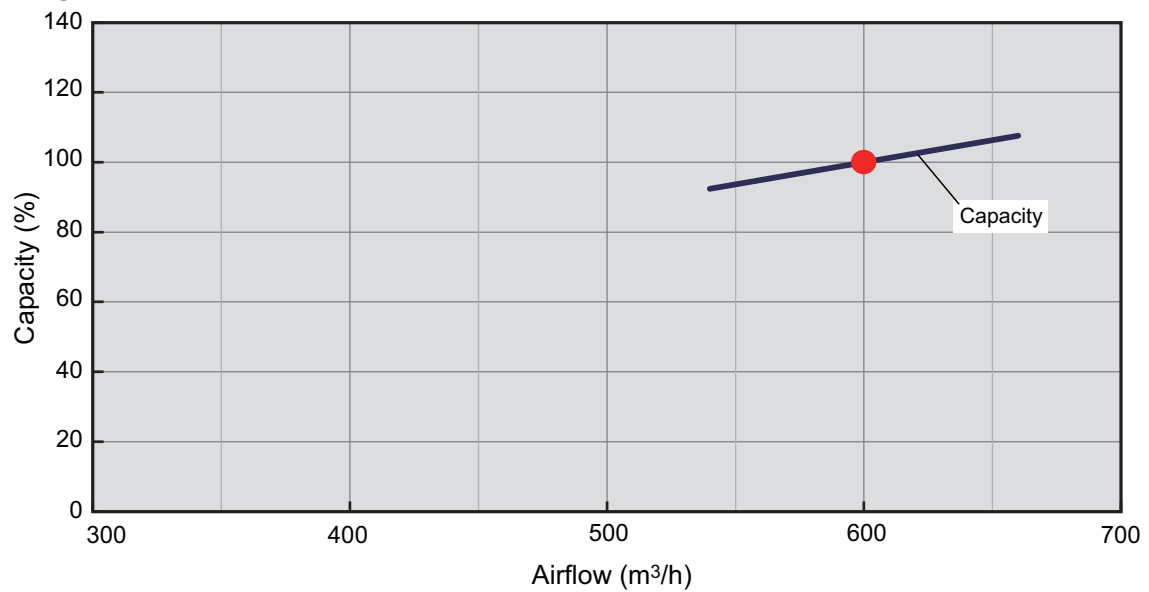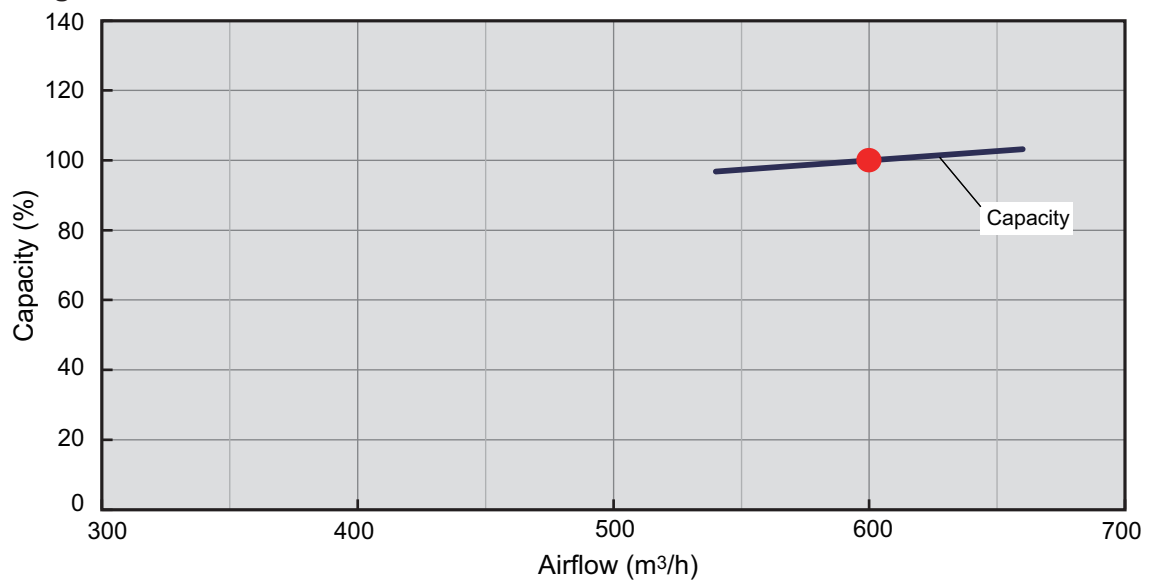
■ Model: ARXG12KSLAP

Available airflow rate range (High level)
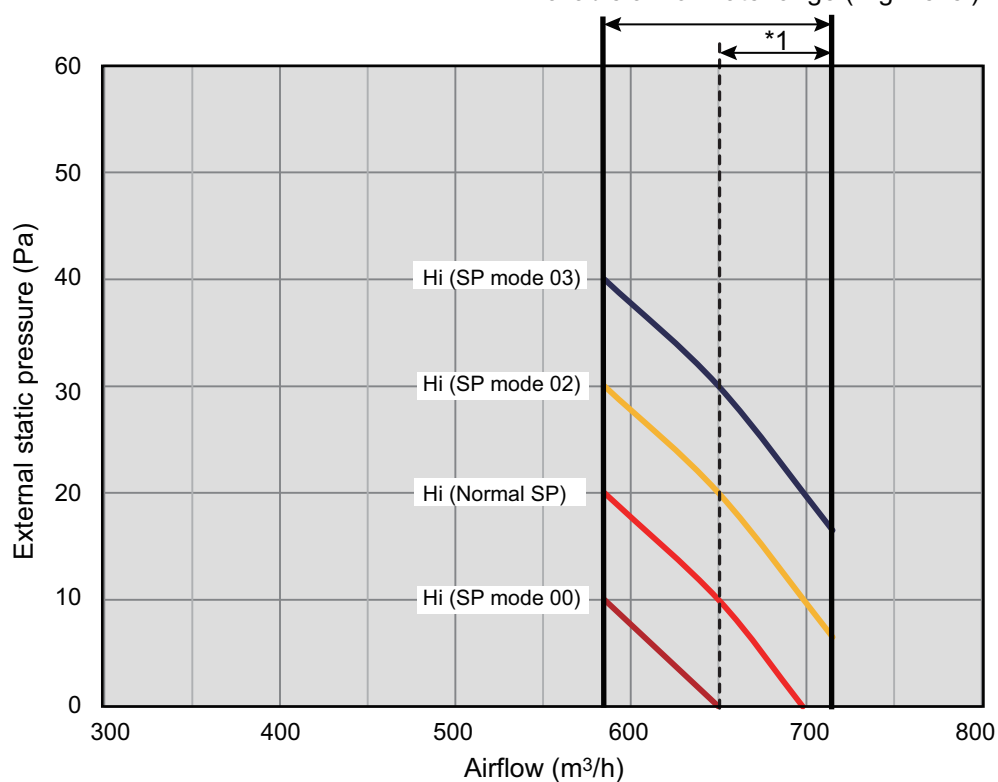
*1: Available airflow rate range when Auto louver grille (option) is installed.
Fan speed: HIGH
Vertical airflow direction louver: Up

● Characteristics of air volume and capacity

・ Cooling
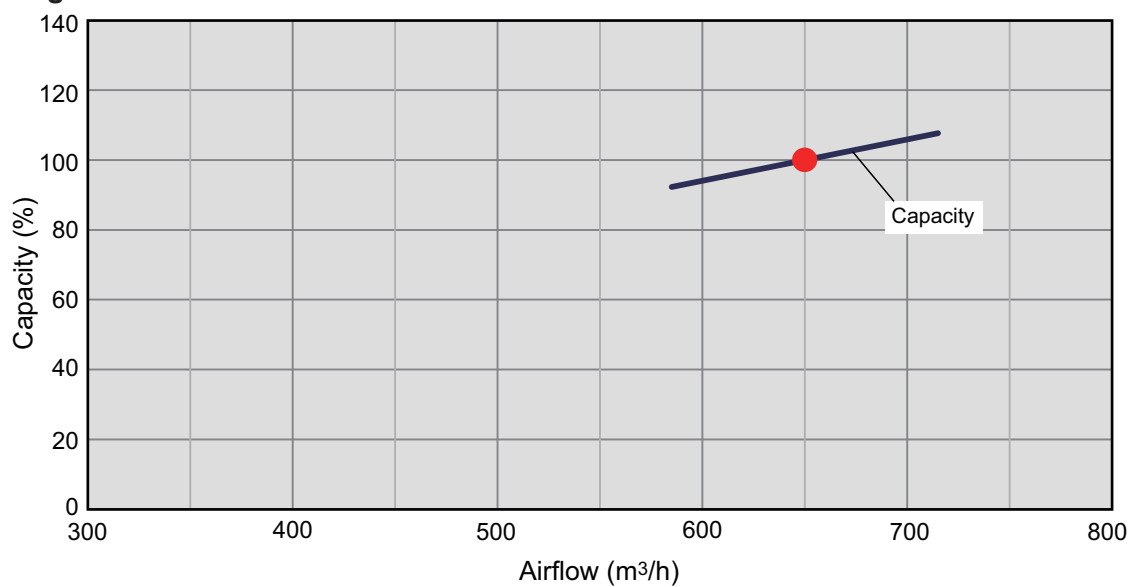
・ Heating
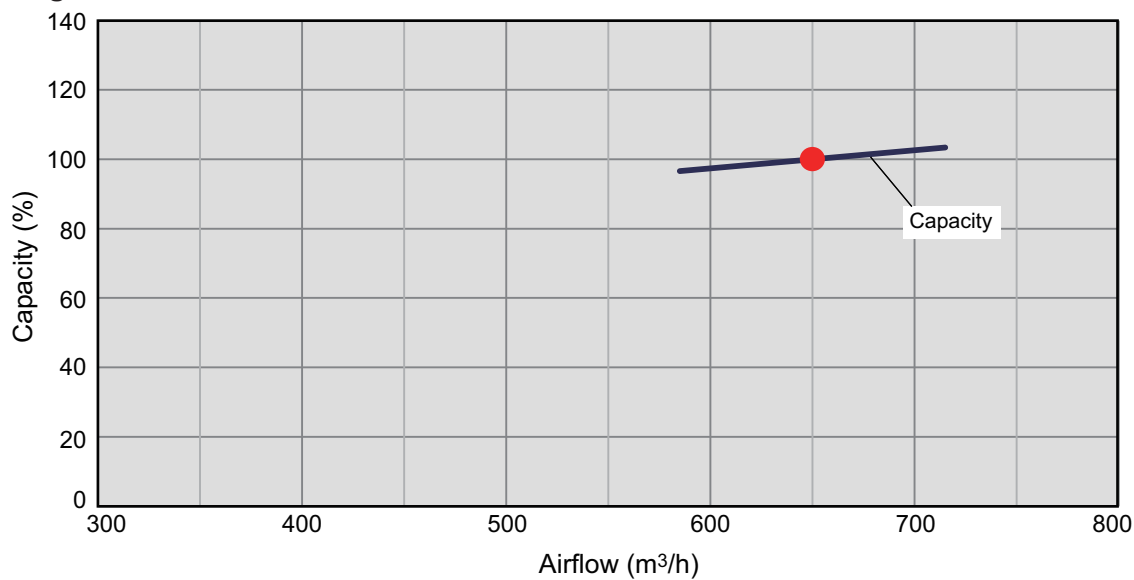
■ Model: ARXG14KSLAP

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

6-2. Slim duct type

■ Model: ARXG07KLLAP

Graph 1: External static pressure (Pa) vs Airflow (m³/h)

- SP mode 09 upper limit
- Hi (SP mode 09)
- Quiet (SP mode 09)
- SP mode 09 lower limit
- Normal SP upper limit
- Quiet (Normal SP)
- Hi (Normal SP)
- SP mode 00 upper limit
- Normal SP lower limited
- Quiet (SP mode 00)
- Hi (SP mode 00)

Available airflow rate range (High level)

*1

Graph 2: External static pressure (Pa) vs Airflow (m³/h)

- Hi (SP mode 09)
- Hi (SP mode 08)
- Hi (SP mode 07)
- Hi (SP mode 06)
- Hi (SP mode 05)
- Hi (SP mode 02)
- Hi (SP mode 04)
- Hi (SP mode 01)
- Hi (SP mode 03)
- Hi (SP mode 00)
- Hi (Normal SP)

*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**

6-2. Slim duct type   6. Fan performance

■ Model: ARXG09KLLAP

Chart 1:

External static pressure (Pa) vs Airflow (m³/h)

Curves labeled:
- Hi (SP mode 09)
- SP mode 09 upper limit
- Quiet (SP mode 09)
- SP mode 09 lower limit
- Normal SP upper limit
- Quiet (Normal SP)
- Hi (Normal SP)
- SP mode 00 upper limit
- Quiet (SP mode 00)
- Hi (SP mode00)

Chart 2: Available airflow rate range (High level)

*1

External static pressure (Pa) vs Airflow (m³/h)

Curves labeled:
- Hi (SP mode 09)
- Hi (SP mode 08)
- Hi (SP mode 07)
- Hi (SP mode 06)
- Hi (SP mode 05)
- Hi (SP mode 04)
- Hi (SP mode 03)
- Hi (Normal SP)
- Hi (SP mode 02)
- Hi (SP mode 01)
- Hi (SP mode 00)

*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)
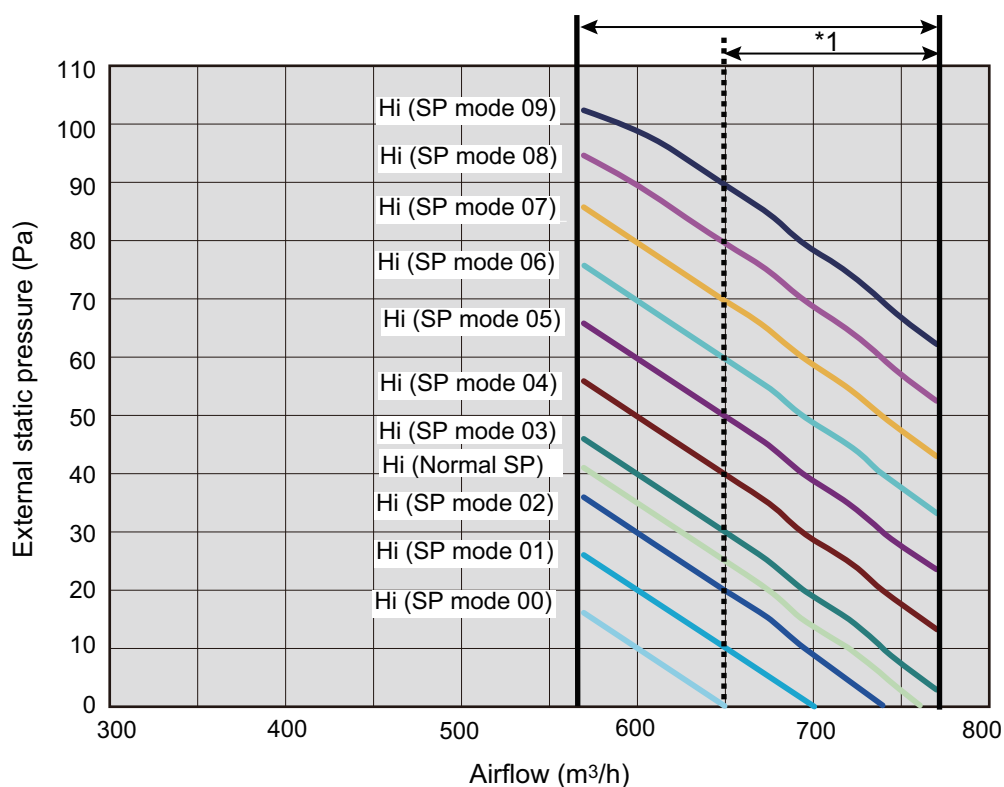
*1: Available airflow rate range when Auto louver grille (option) is installed.
    Fan speed: HIGH
    Vertical airflow direction louver: Up

● Characteristics of air volume and capacity

· Cooling
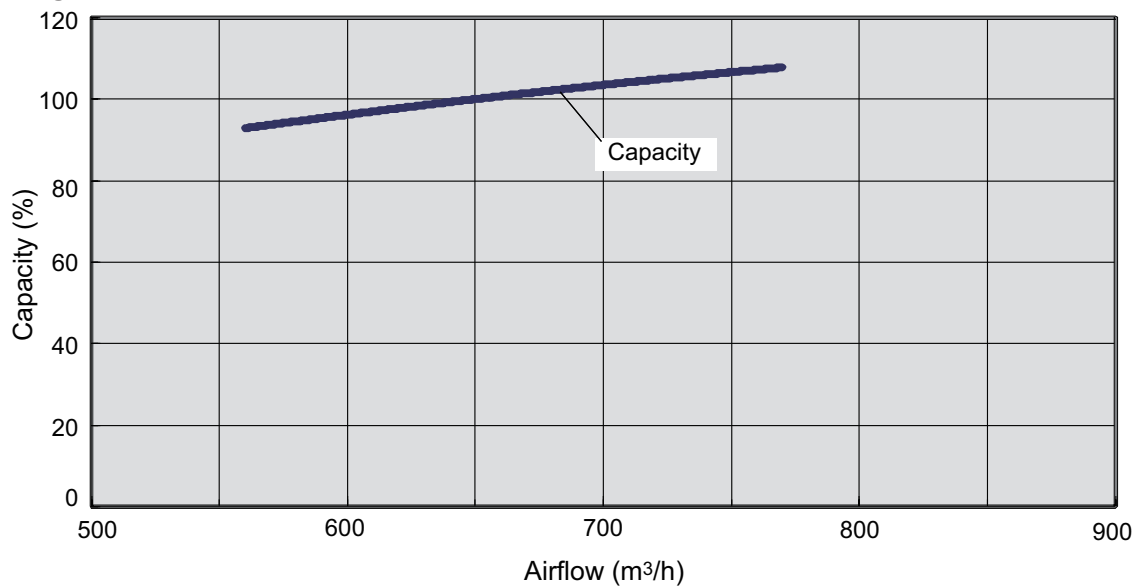
· Heating
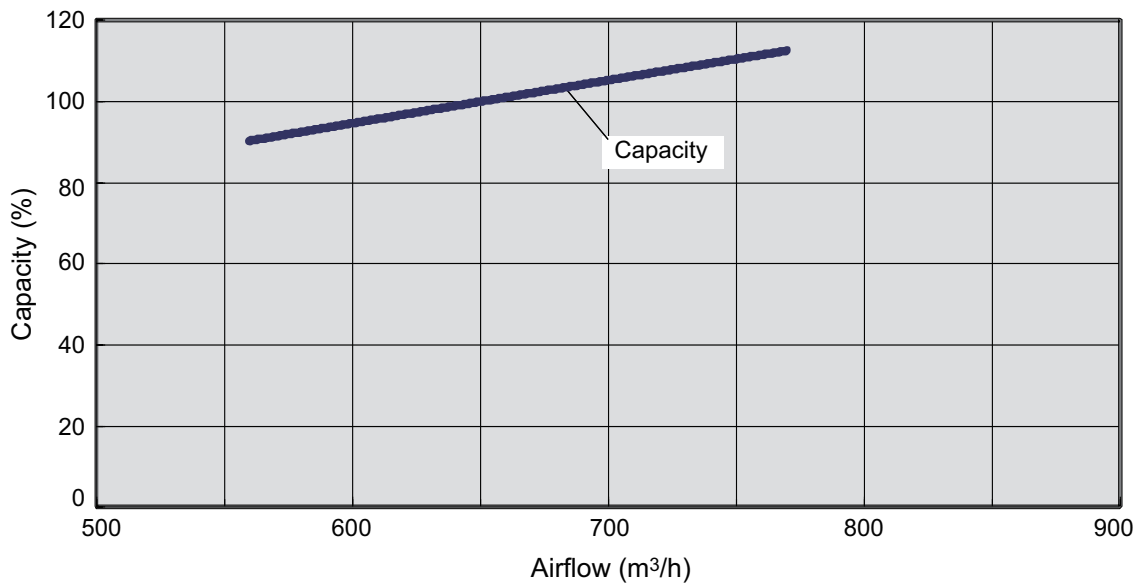
■ Model: ARXG14KLLAP
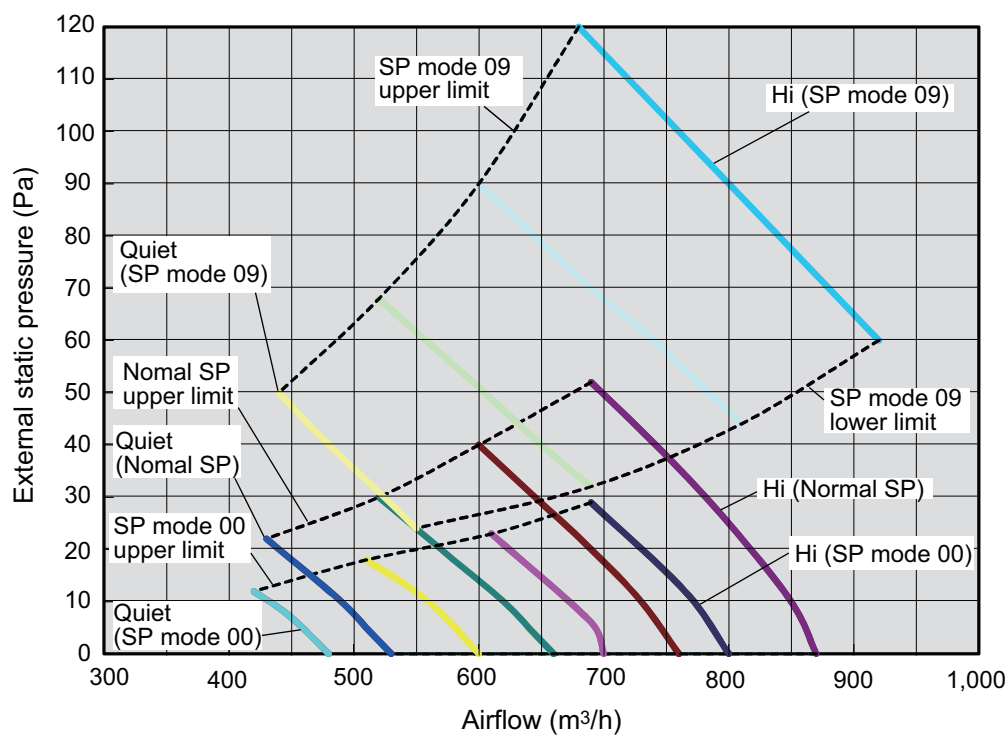
Available airflow rate range (High level)
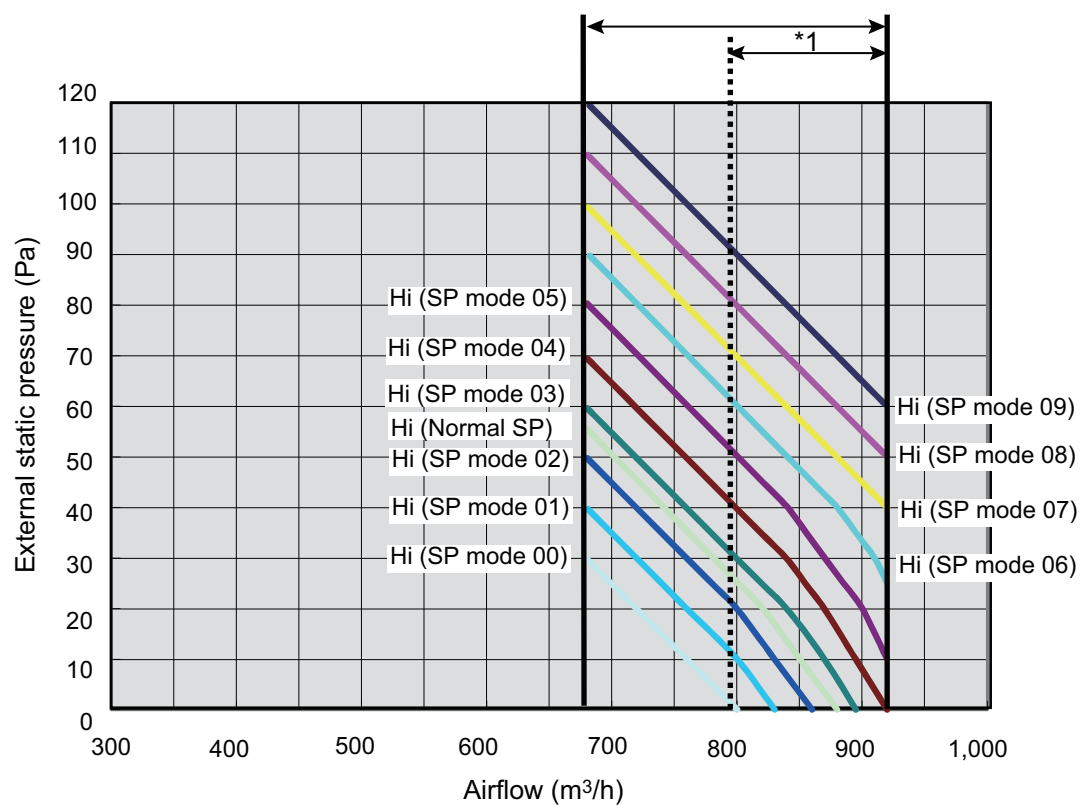
*1: Available airflow rate range when Auto louver grille (option) is installed.
   Fan speed: HIGH
   Vertical airflow direction louver: Up

● **Characteristics of air volume and capacity**
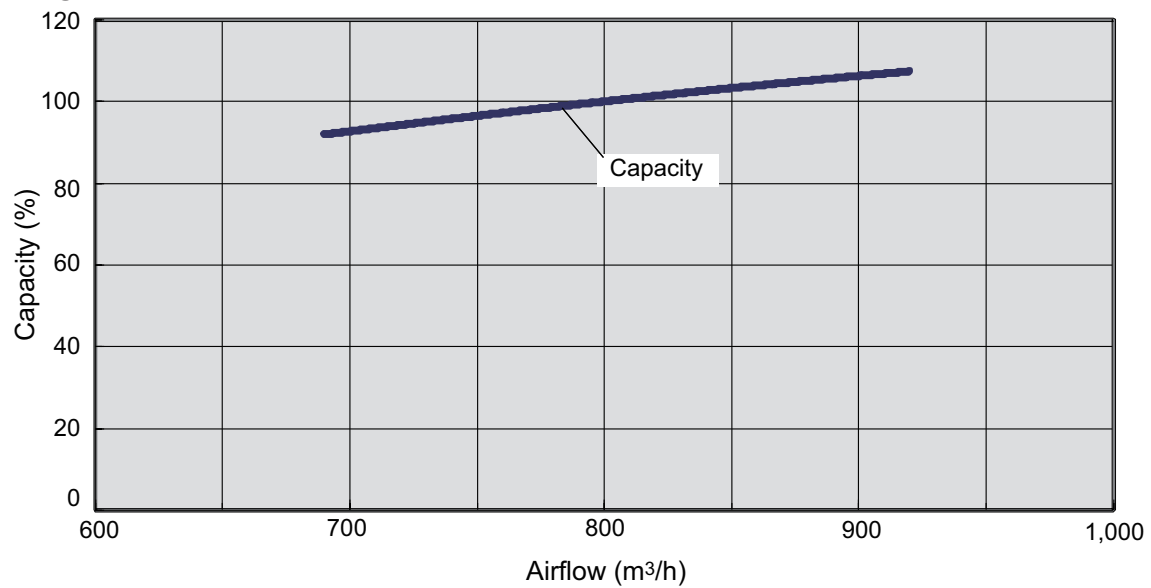
· **Cooling**

· **Heating**
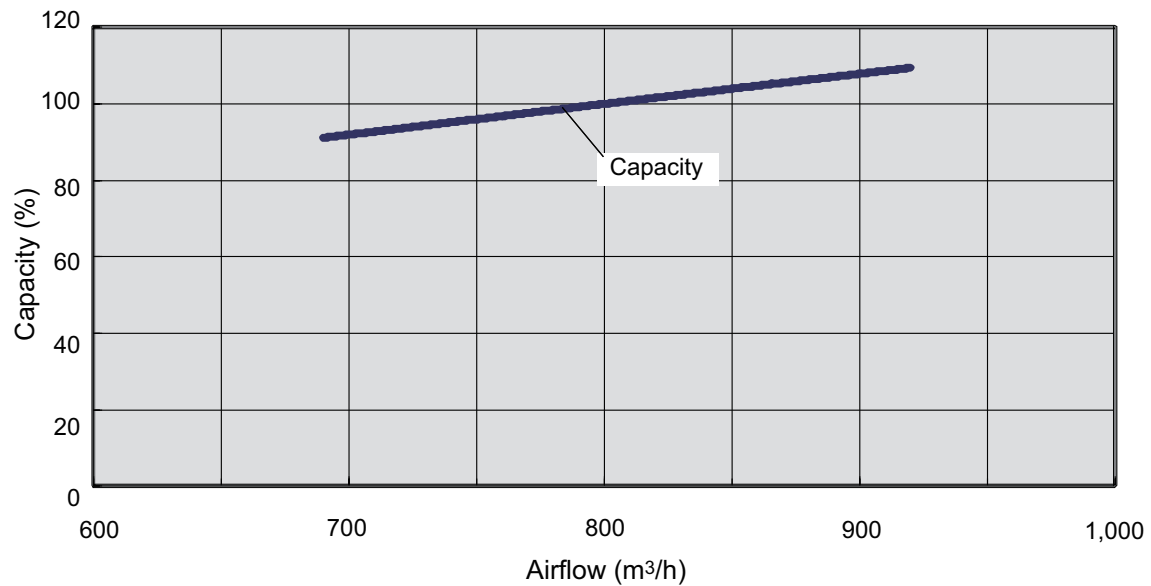
7. Airflow

Conversion factor:

- 1 m^3/h = 0.2778 l/s = 0.5886 CFM

- 3.6 m^3/h = 1 l/s

- 1.699 m^3/h = 1 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		
			m³/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		
			m³/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		
			m³/h	l/s	CFM
ASHG07KGTB	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
ASHG09KGTB	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
ASHG12KGTB	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
ASHG14KGTB	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
ASHG07KMTB	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
ASHG09KMTB	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		
			m³/h	l/s	CFM
ASHG12KMTB	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
ASHG14KMTB	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
ASHG07KMCC	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
ASHG09KMCC	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
ASHG12KMCC	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
ASHG14KMCC	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
ASHG07KETA ASHG07KETA-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
ASHG09KETA ASHG09KETA-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
ASHG12KETA ASHG12KETA-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
ASHG14KETA ASHG14KETA-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

7-5. Floor type

Model	Operation mode	Fan speed	Airflow		
			m³/h	l/s	CFM
AGHG09KVCA	Cooling	High	530	147	312
		Med	440	111	235
		Low	360	100	212
		Quiet	270	75	159
	Heating	High	530	147	312
		Med	460	128	271
		Low	380	106	224
		Quiet	270	75	159
AGHG12KVCA	Cooling	High	600	167	353
		Med	490	136	288
		Low	380	106	224
		Quiet	270	75	159
	Heating	High	600	167	353
		Med	510	142	300
		Low	410	114	241
		Quiet	270	75	159
AGHG14KVCA	Cooling	High	650	181	383
		Med	520	144	306
		Low	400	131	277
		Quiet	270	75	159
	Heating	High	650	181	383
		Med	540	150	318
		Low	430	119	253
		Quiet	270	75	159

8. Noise level curve

8-1. Compact cassette type

■ Model: AUXG07KVLA

● Cooling

Octave band sound pressure level, dB: (0 dB=0.00020 μbar)
Octave band center frequency, Hz

● Heating

Octave band sound pressure level, dB: (0 dB=0.00020 μbar)
Octave band center frequency, Hz

■ Model: AUXG09KVLA

● Cooling

Octave band sound pressure level, dB: (0 dB=0.00020 μbar)
Octave band center frequency, Hz

● Heating

Octave band sound pressure level, dB: (0 dB=0.00020 μbar)
Octave band center frequency, Hz
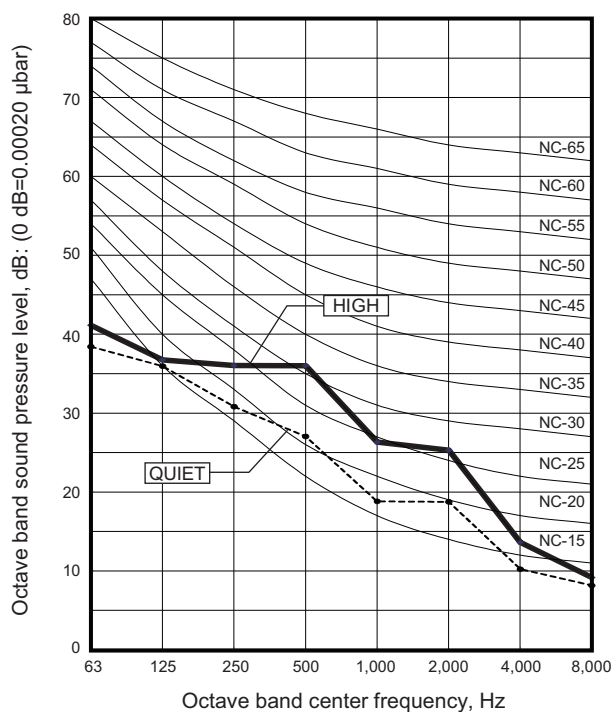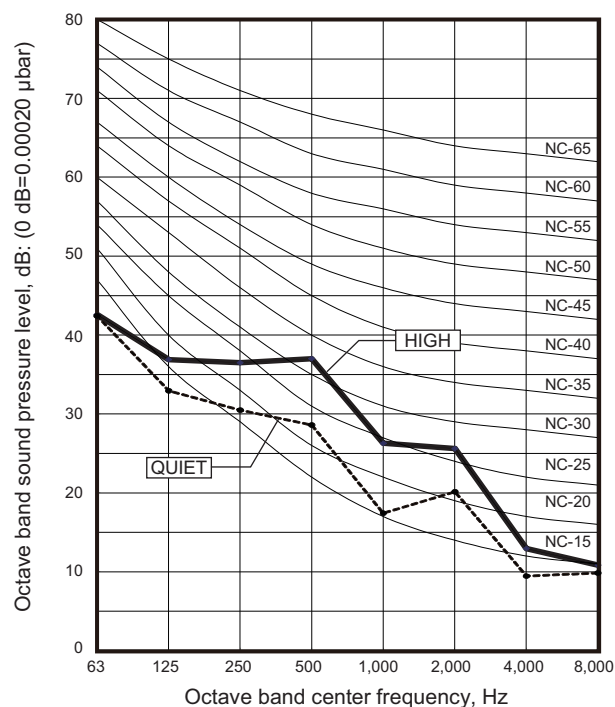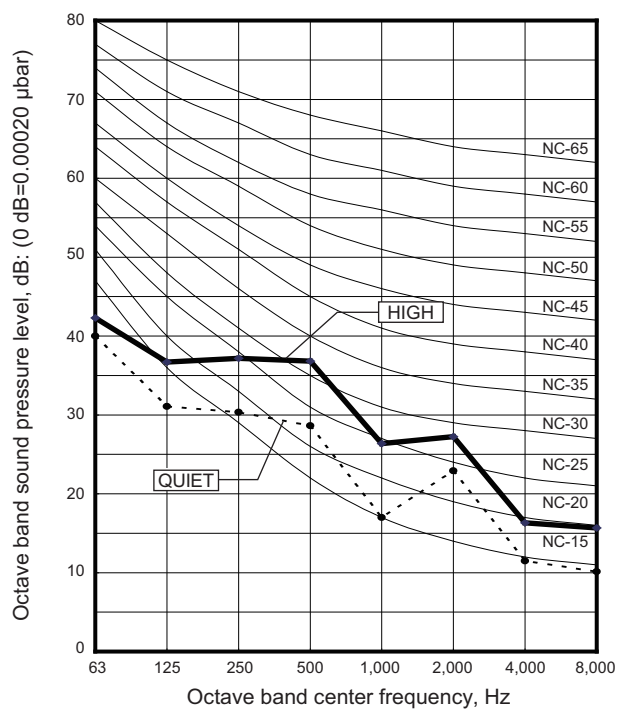
■ Model: AUXG12KVLA
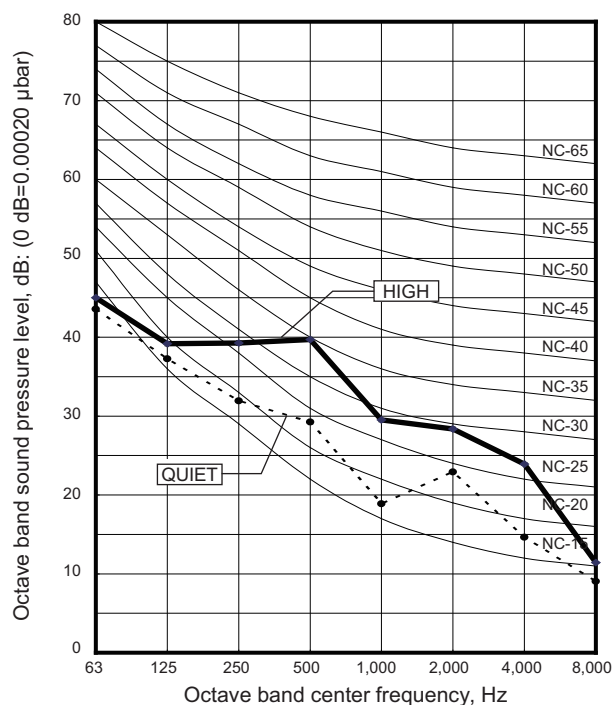
● Cooling

● Heating
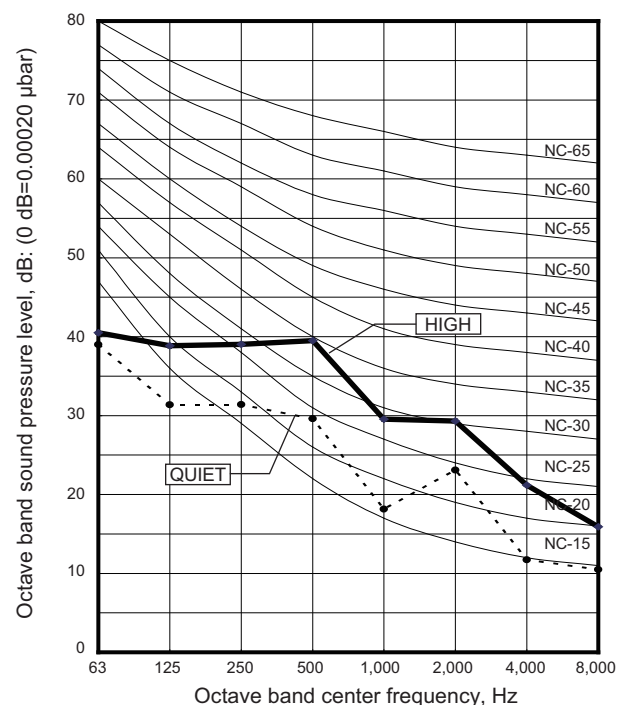
■ Model: AUXG14KVLA

● Cooling
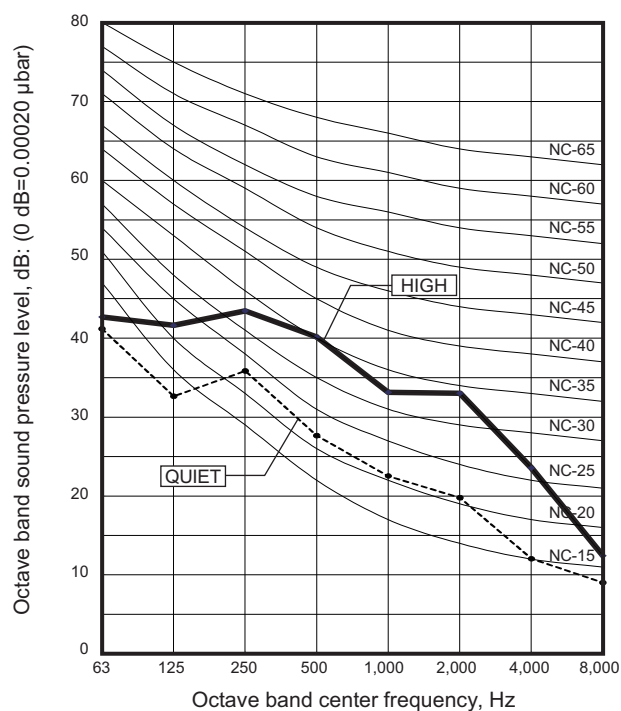
● Heating
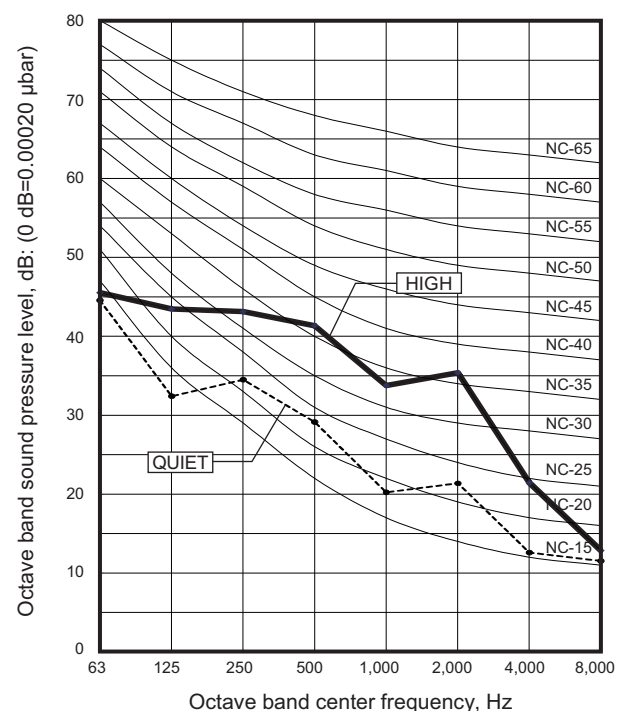
8-2. Mini duct type

■ Model: ARXG07KSLAP

● Cooling
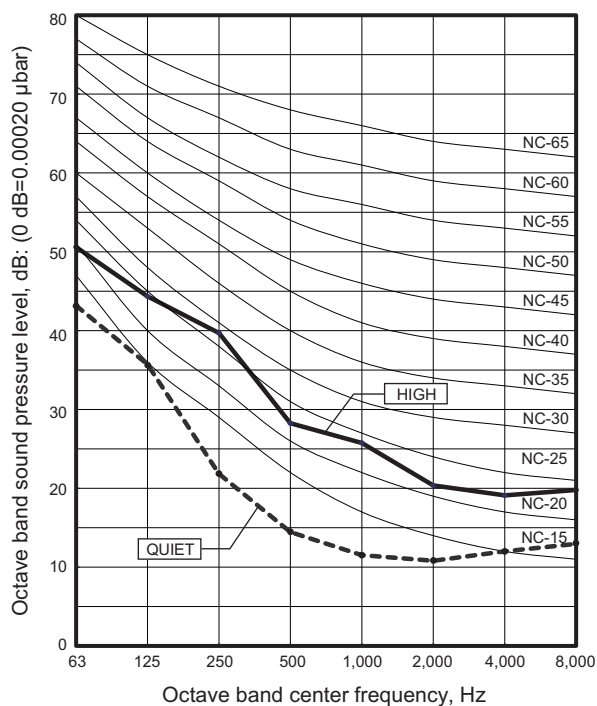
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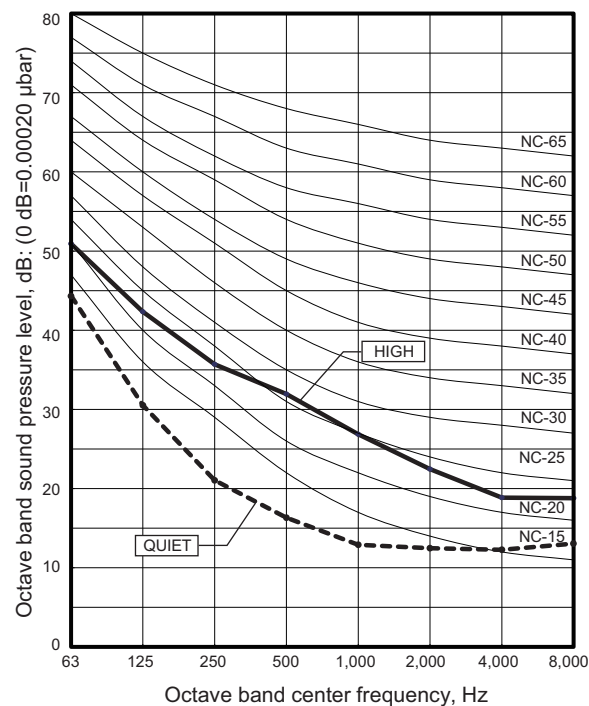
■ Model: ARXG09KSLAP

● Cooling
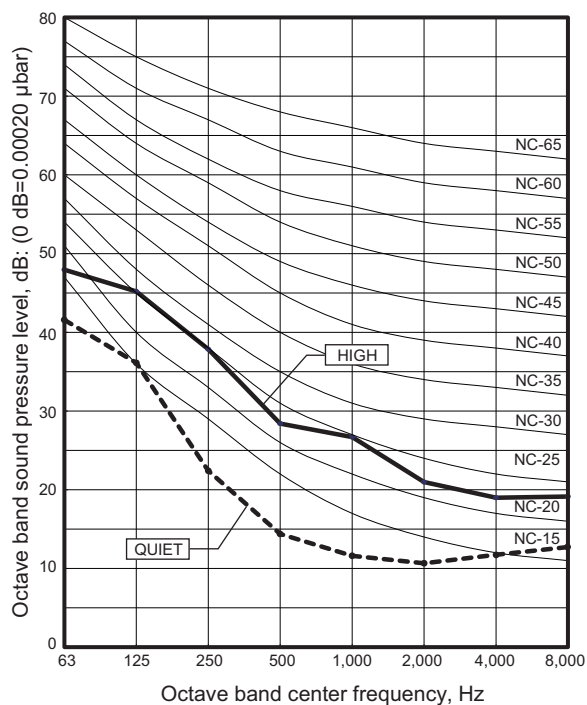
● Heating
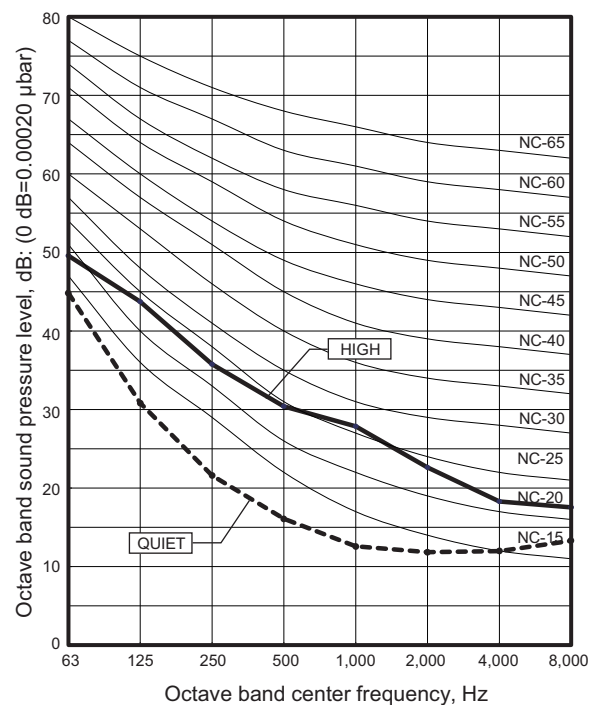
■ Model: ARXG12KSLAP

● Cooling
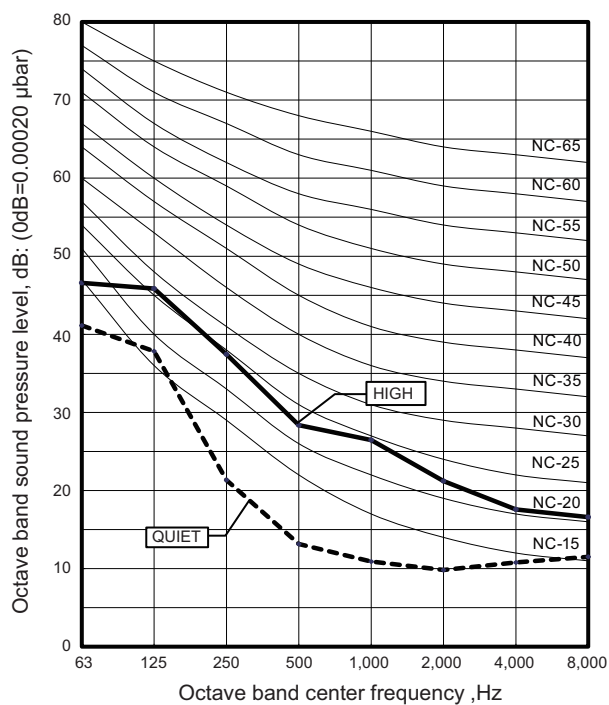
● Heating
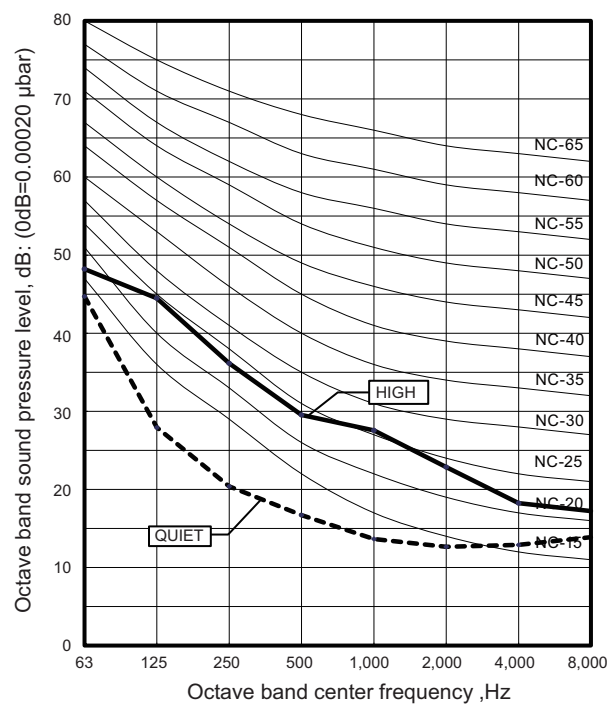
■ Model: ARXG14KSLAP

● Cooling

● Heating

8-2. Mini duct type

8. Noise level curve
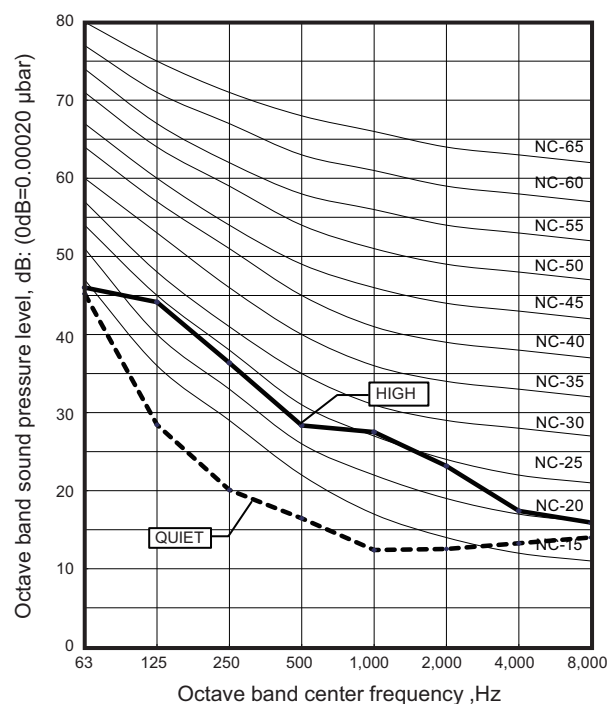
8-3. Slim duct type

■ Model: ARXG07KLLAP

● Cooling
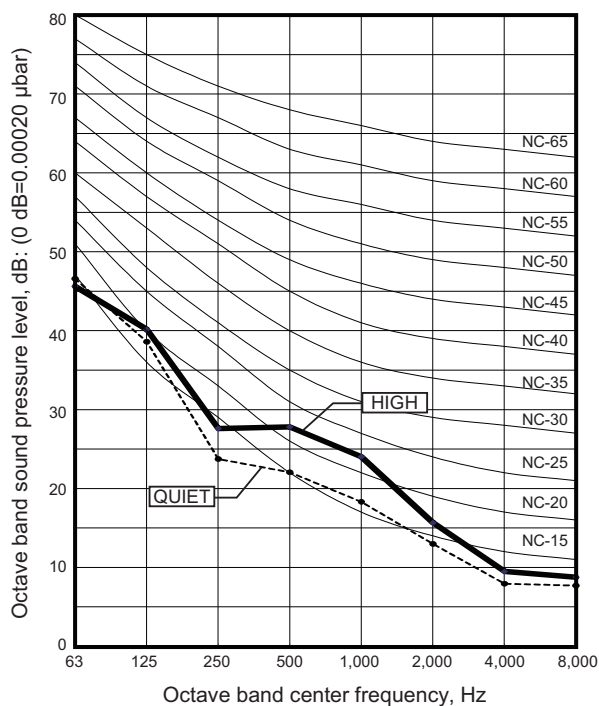
● Heating
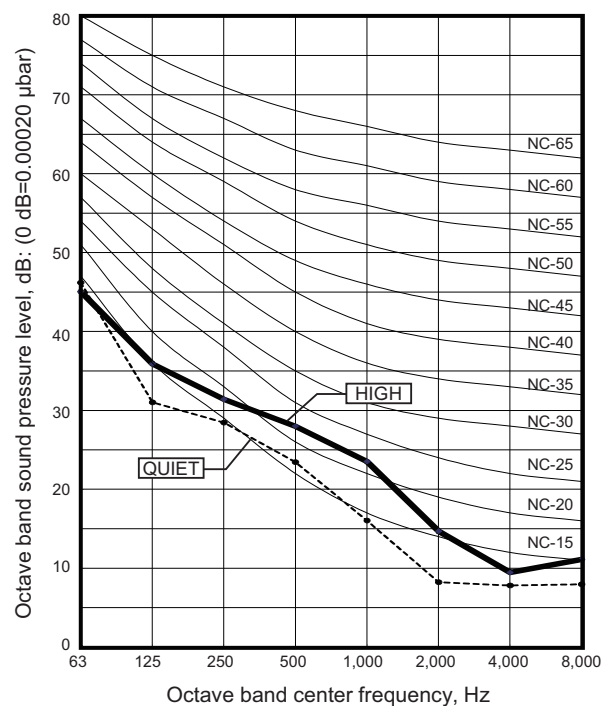
■ Model: ARXG09KLLAP

● Cooling
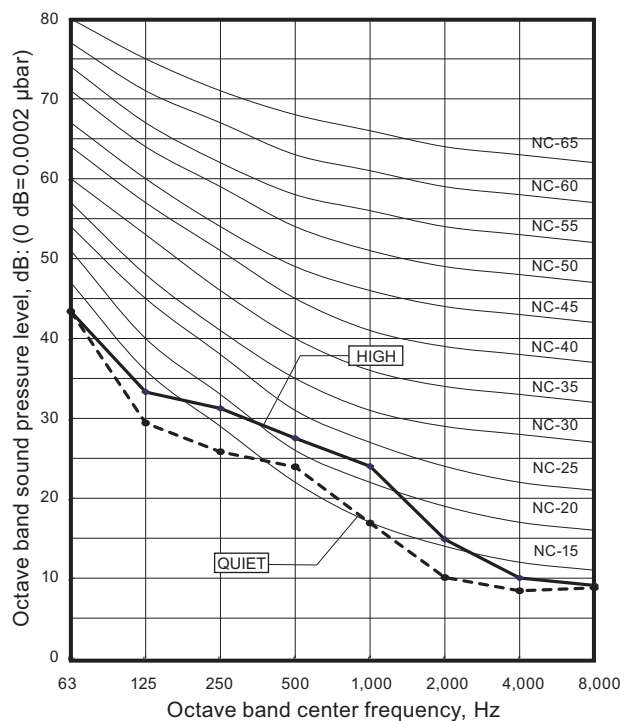
● Heating
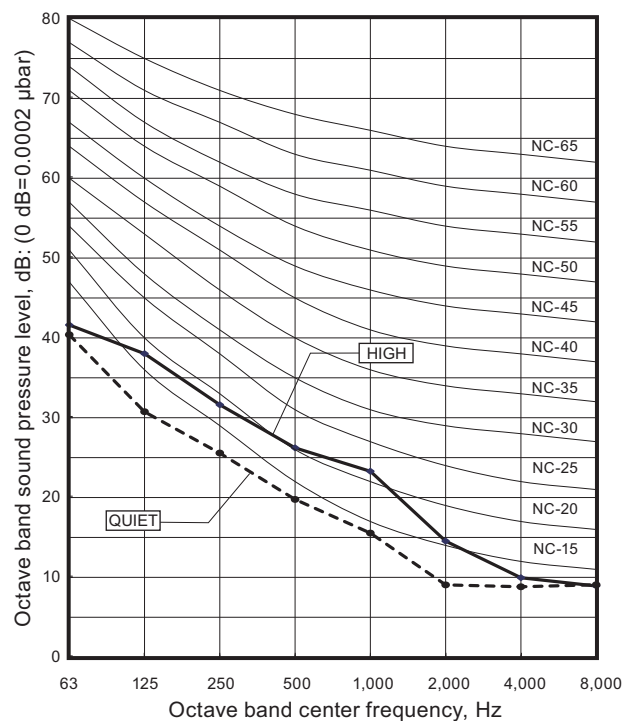
■ Model: ARXG12KLLAP

● Cooling
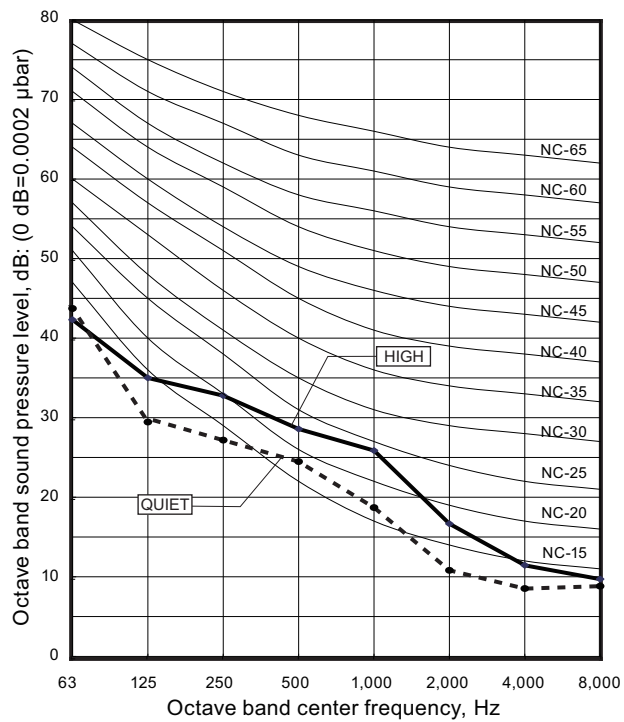
● Heating
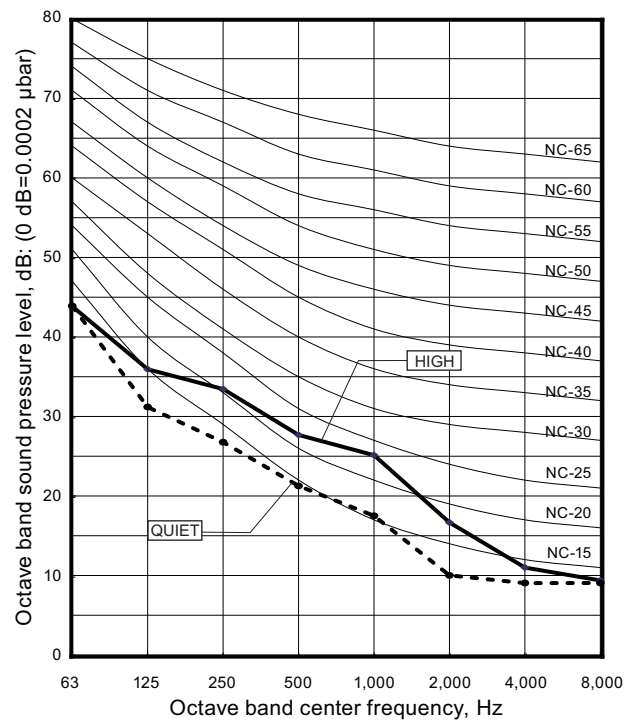
■ Model: ARXG14KLLAP

● Cooling

● Heating

8-3. Slim duct type

- 87 -

8. Noise level curve
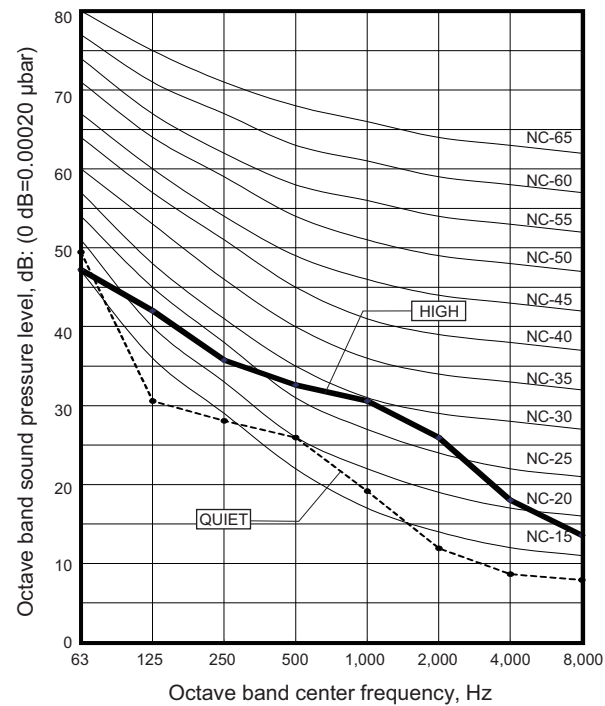
8-4. Wall mounted type

■ Model: ASHG07KGTB

● Cooling

● Heating
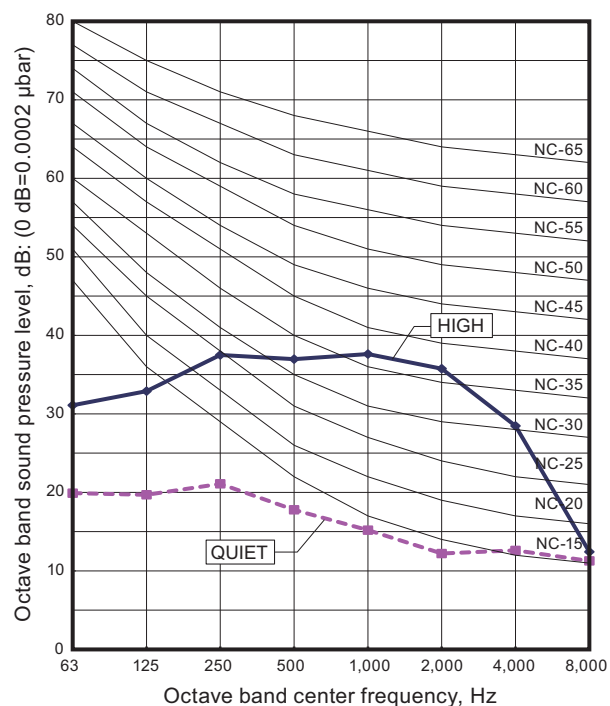
■ Model: ASHG09KGTB

● Cooling
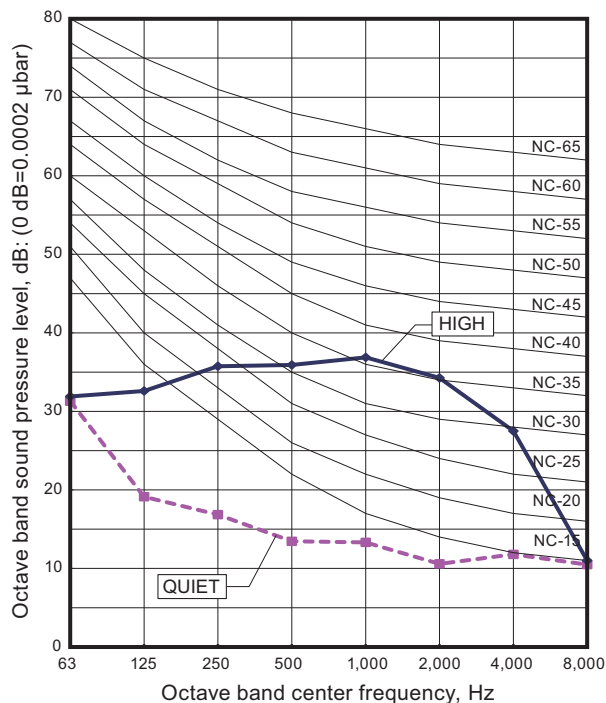
● Heating
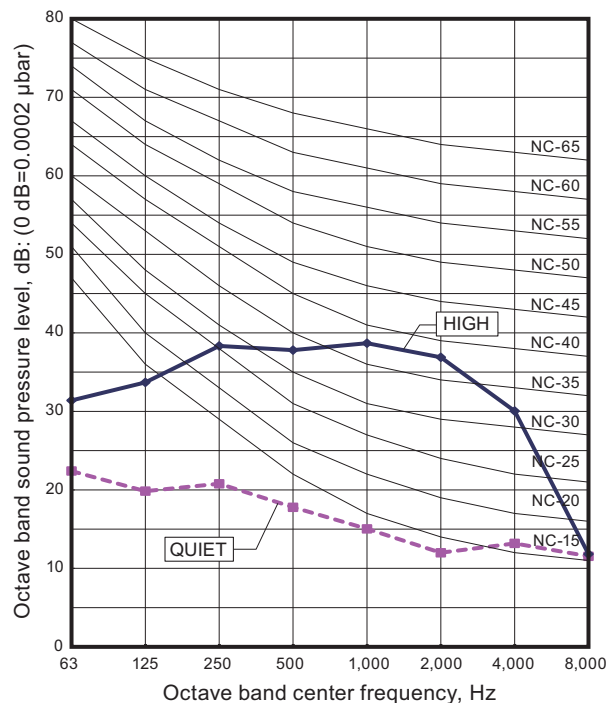
■ **Model: ASHG12KGTB**

● **Cooling**
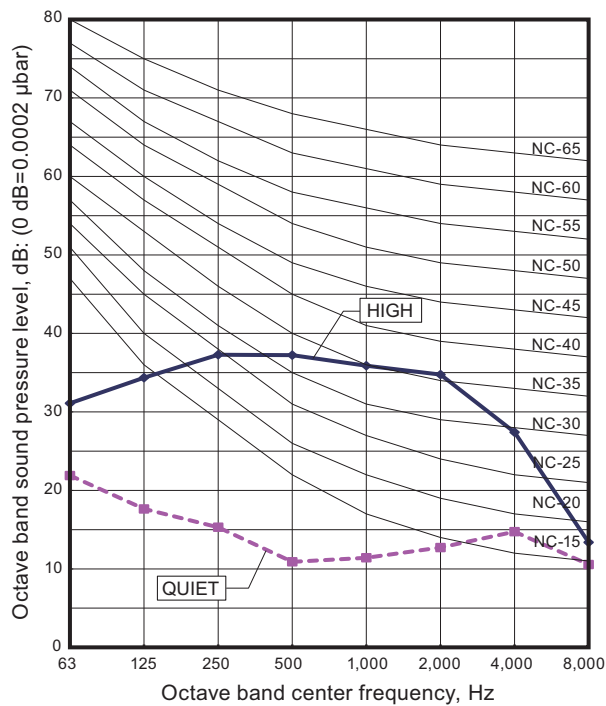
● **Heating**
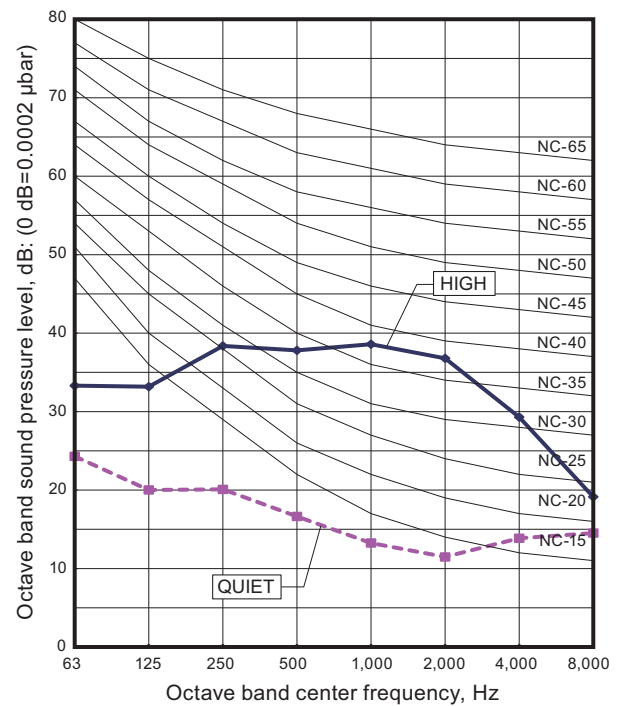
■ **Model: ASHG14KGTB**

● **Cooling**

● **Heating**

8-4. Wall mounted type

8. Noise level curve

2-UNIT
MULTI-SPLIT TYPE

2-UNIT
MULTI-SPLIT TYPE
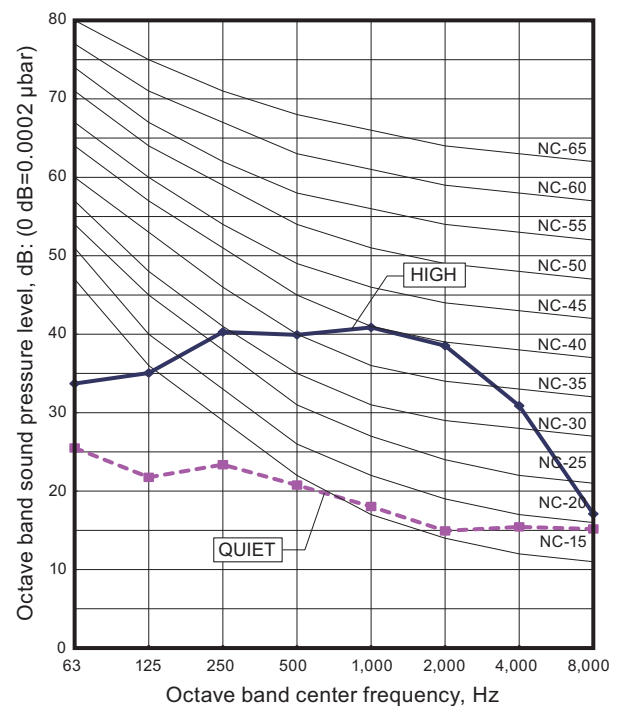
■ Models: ASHG07KMTB, ASHG07KMCC, ASHG07KETA, and ASHG07KETA-B

● Cooling
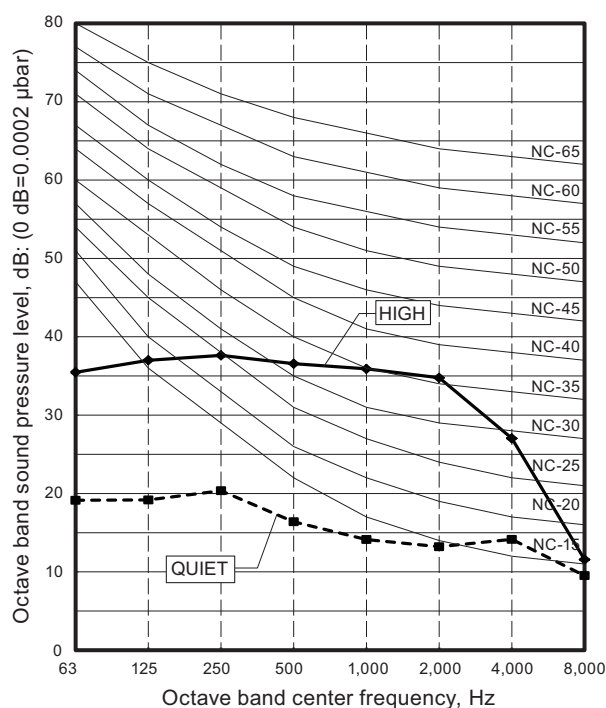
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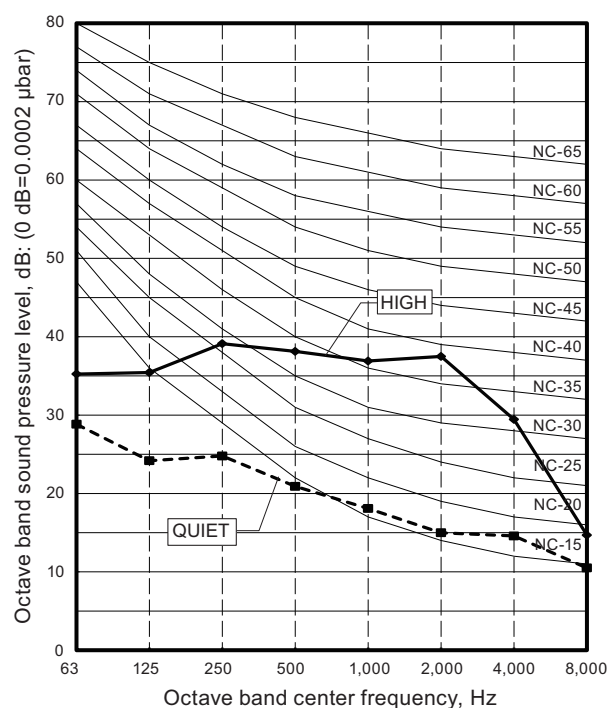
■ Models: ASHG09KMTB, ASHG09KMCC, ASHG09KETA, and ASHG09KETA-B

● Cooling
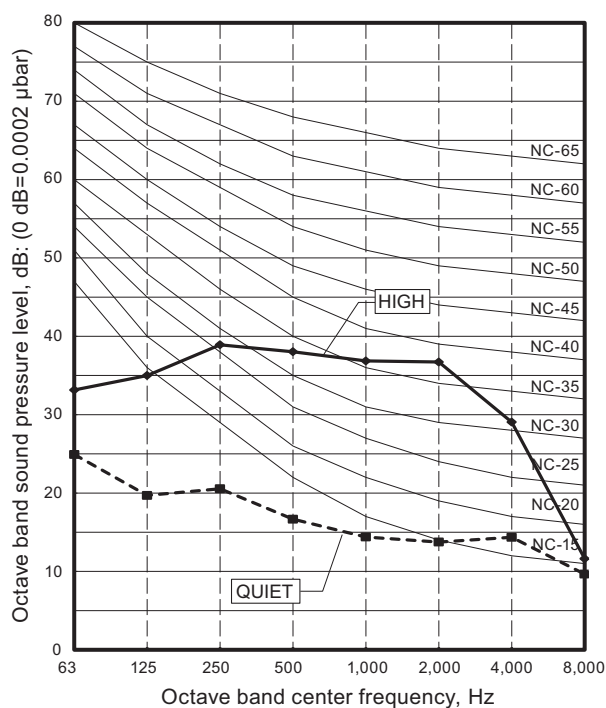
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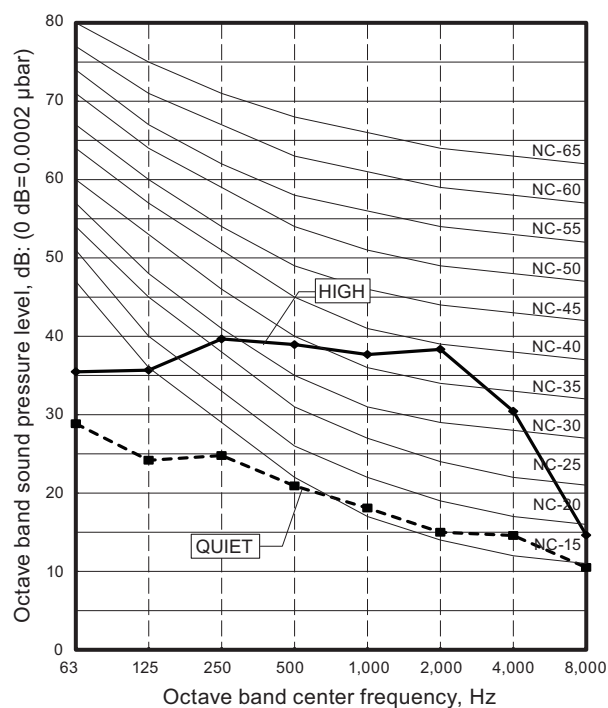
■ Models: ASHG12KMTB, ASHG12KMCC, ASHG12KETA, and ASHG12KETA-B

● Cooling
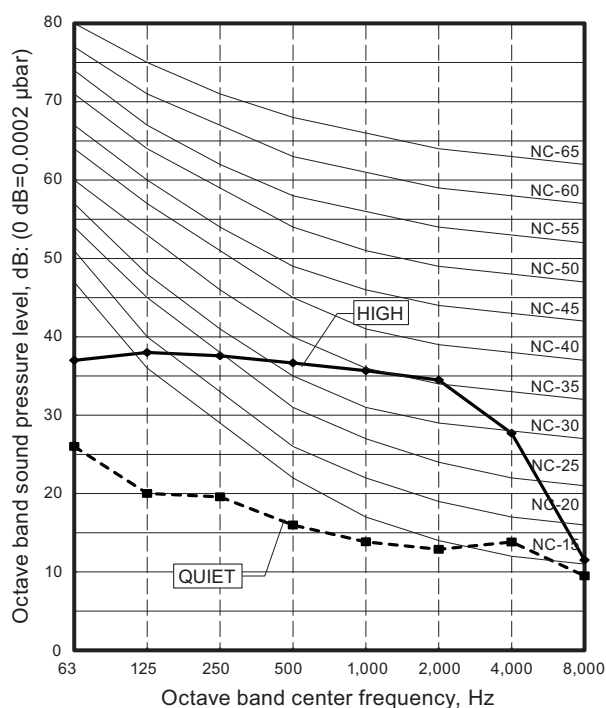
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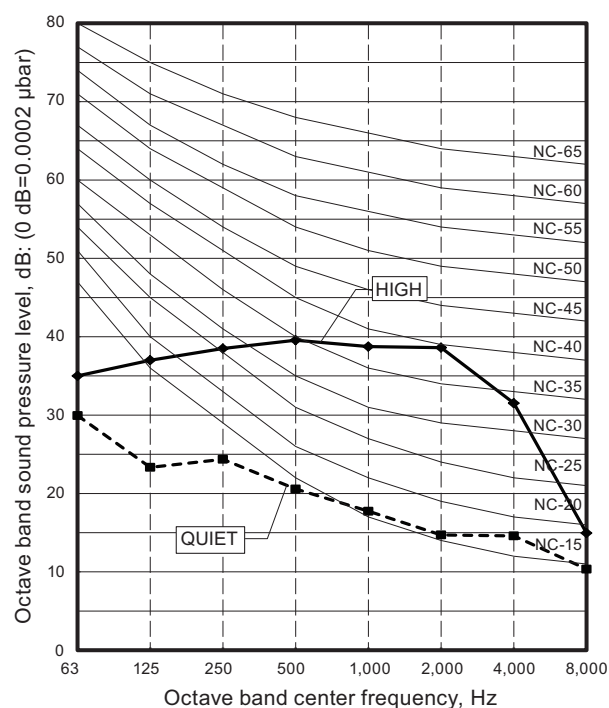
■ Models: ASHG14KMTB, ASHG14KMCC, ASHG14KETA, and ASHG14KETA-B

● Cooling
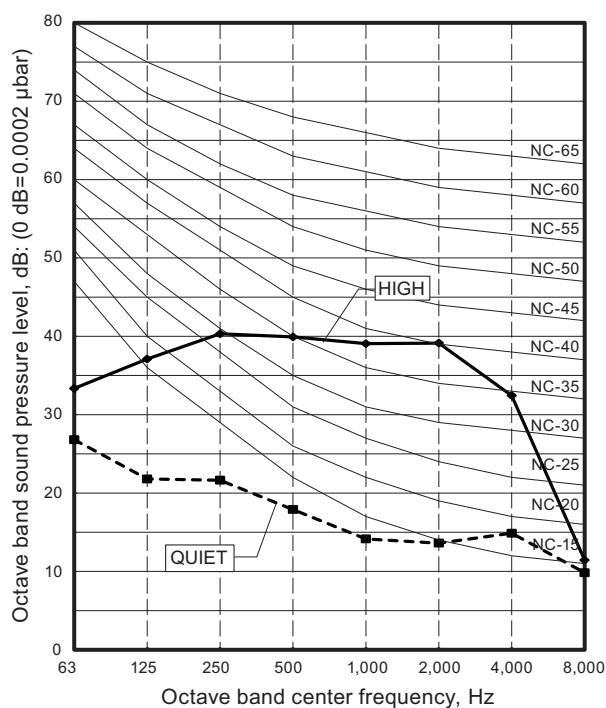
● Heating
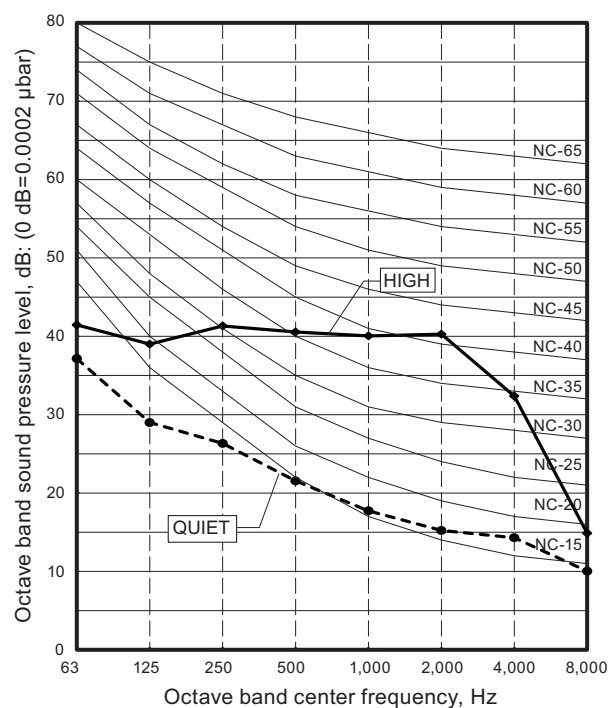
8-5. Floor type

■ Model: AGHG09KVCA

● Cooling
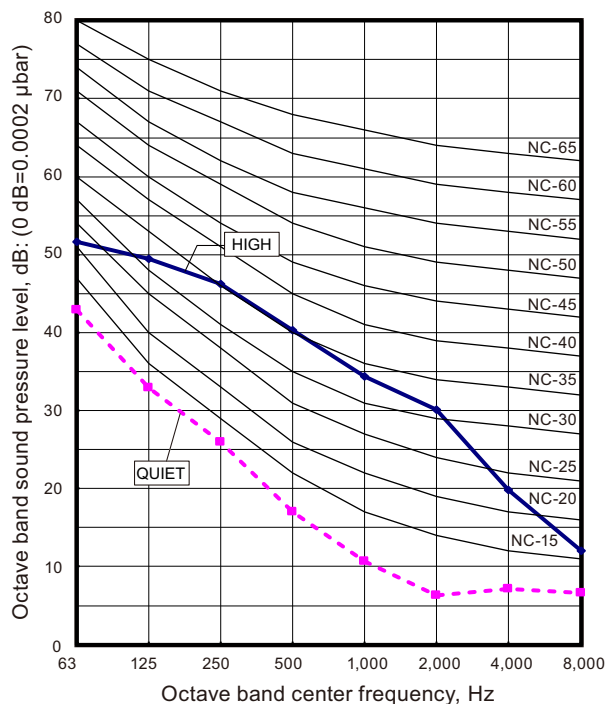
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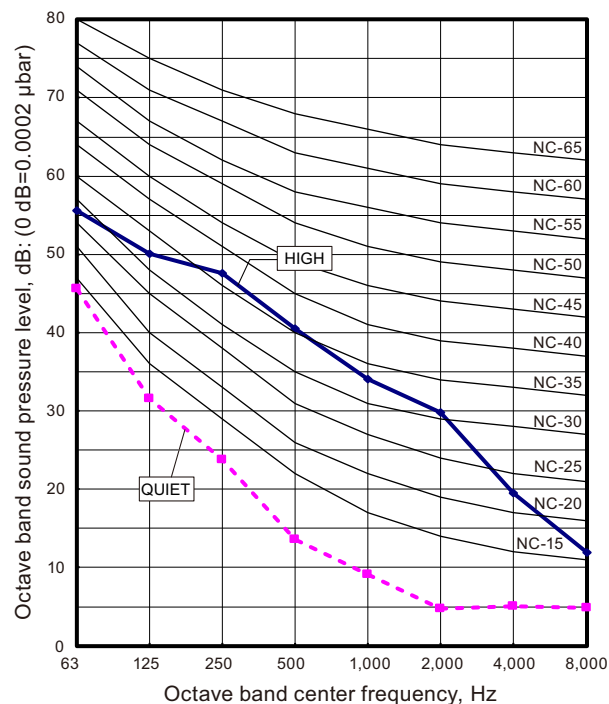
■ Model: AGHG12KVCA

● Cooling

● Heating

2-UNIT MULTI-SPLIT TYPE
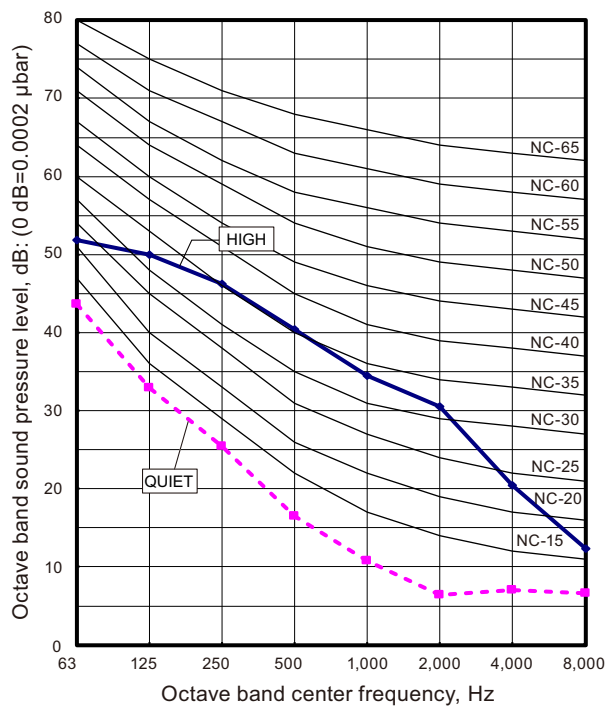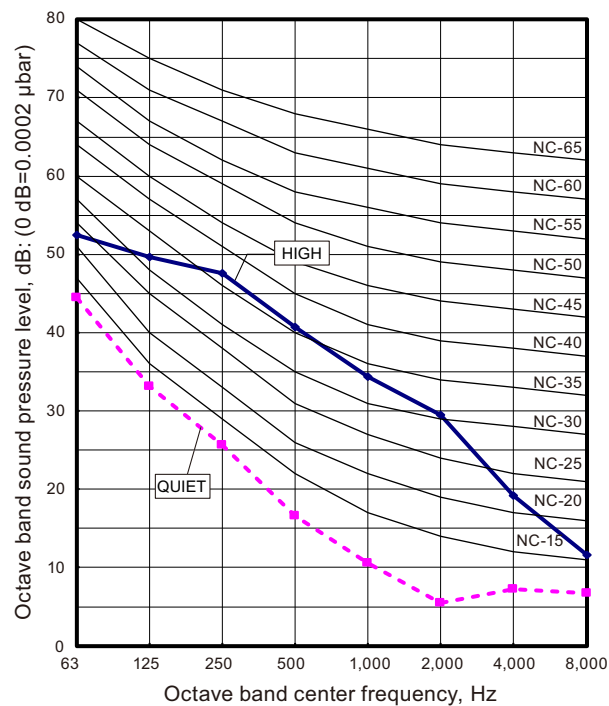
■ Model: AGHG14KVCA

● Cooling

● Heating

8-5. Floor type   8. Noise level curve
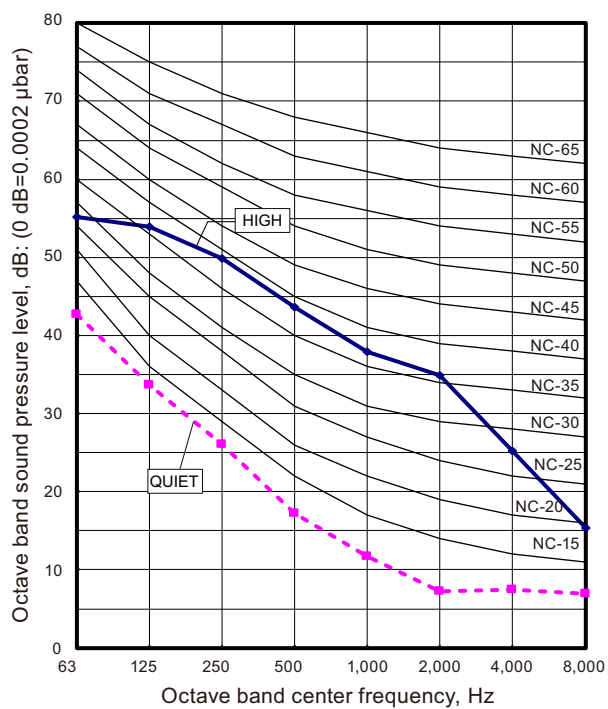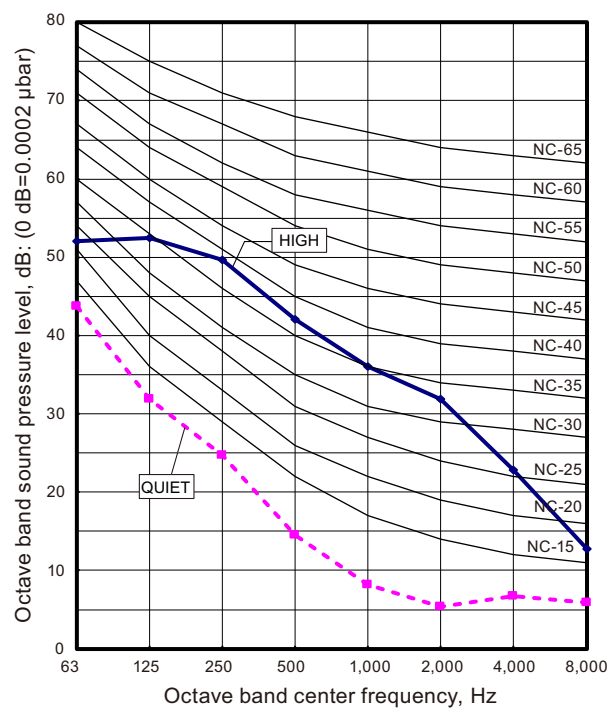
8-6. Sound level check point

■ Compact cassette type

Microphone

1.5 m

Microphone

■ Mini duct type

2 m

1 m

AIR

PRODUCT

Measuring duct

$\left(\begin{array}{l}\text{Set the static pressure} \\ \text{as rating in this area}\end{array}\right)$

1.5 m

Measuring duct

Microphone

Microphone

Side view

Front view

■ Slim duct type

2 m

1 m

AIR

PRODUCT

Measuring duct

$\left(\begin{array}{l}\text{Set the static pressure} \\ \text{as rating in this area}\end{array}\right)$

1.5 m

Measuring duct

Microphone

Microphone

Side view

Front view

■ Wall mounted type

0.8 m

Microphone

Microphone

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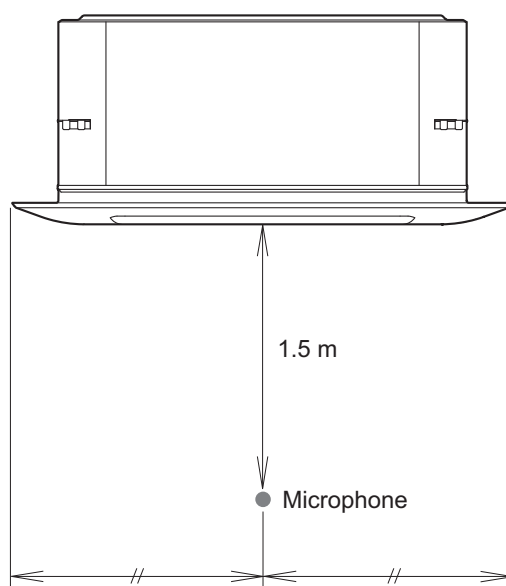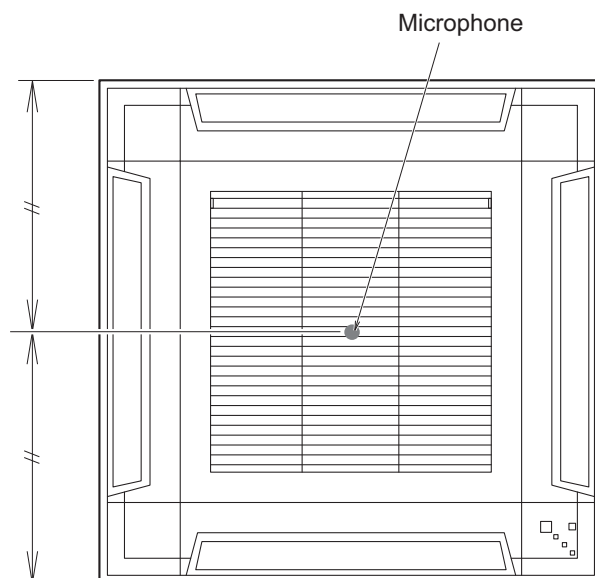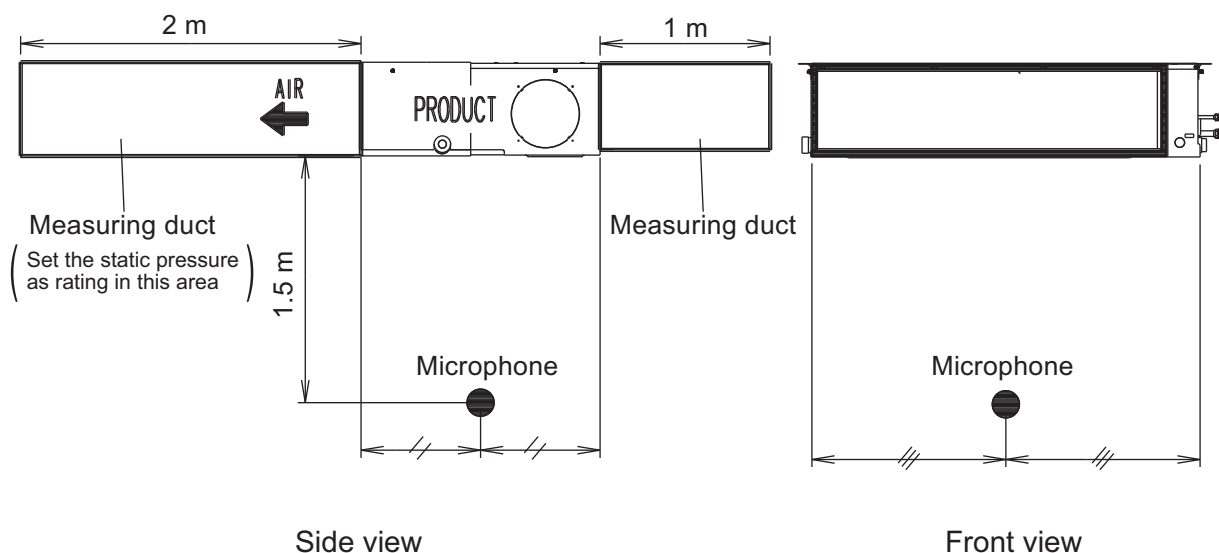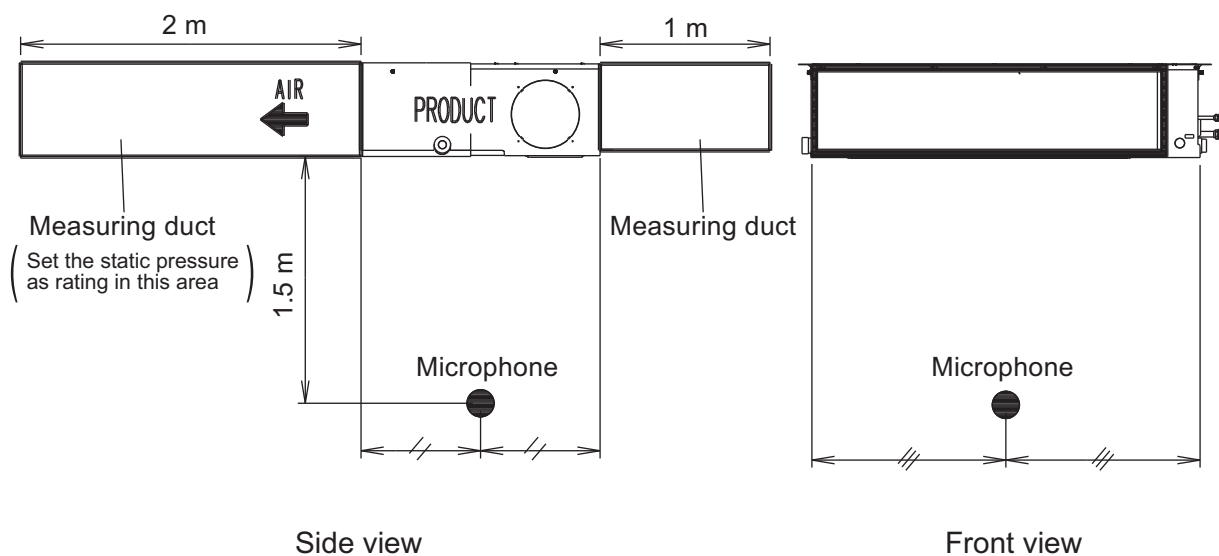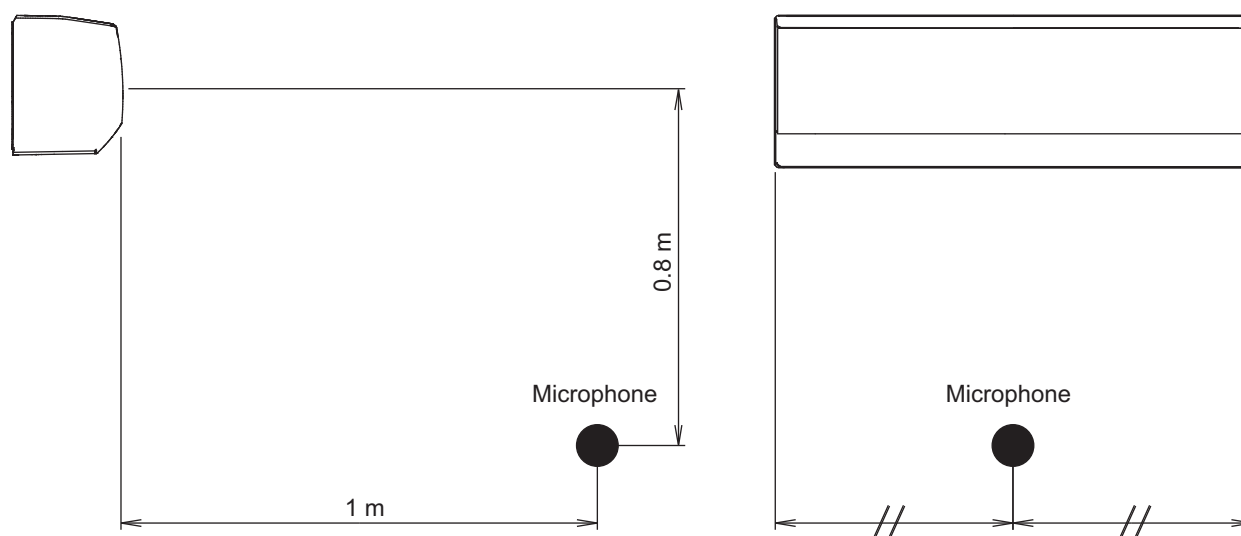
NOTE: Detailed shape of the actual indoor unit might be slightly different from the one illustrated above.

■ Floor type

Airflow

Microphone

Microphone

1m

Airflow

1m

8-6. Sound level check point

8. Noise level curve
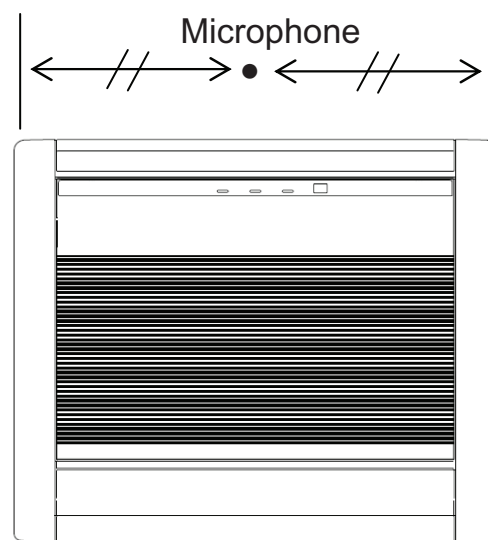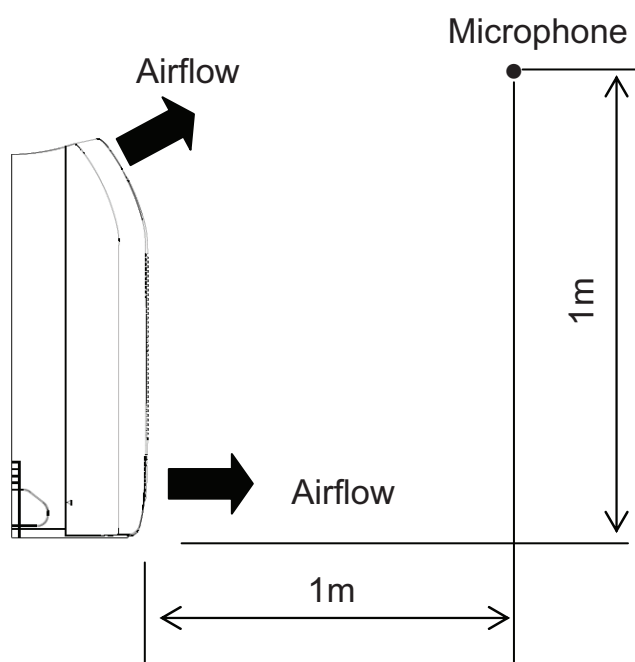
9. Electrical characteristics

Type	Model name	Power supply (50 Hz, 230 V)	Indoor rated		Wiring spec. of connection cable (Indoor unit to outdoor unit)	
		MCA	Input power	FLA	Cross-sectional area	Limited wiring length
		(A)	(W)	(A)	(mm^2)	(m)
Compact cassette	AUXG07KVLA	0.19	18	0.15		
	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	ASHG07KGTB	0.25	23	0.20	1.5	21
	ASHG09KGTB	0.30	27	0.24		
	ASHG12KGTB	0.30	27	0.24		
	ASHG14KGTB	0.37	33	0.29		
	ASHG07KMTB	0.25	23	0.20		
	ASHG09KMTB	0.30	27	0.24		
	ASHG12KMTB	0.30	27	0.24		
	ASHG14KMTB	0.38	33	0.30		
	ASHG07KMCC	0.25	23	0.20		
	ASHG09KMCC	0.30	27	0.24		
	ASHG12KMCC	0.30	27	0.24		
	ASHG14KMCC	0.38	33	0.30		
	ASHG07KETA ASHG07KETA-B	0.25	23	0.20		
	ASHG09KETA ASHG09KETA-B	0.30	27	0.24		
	ASHG12KETA ASHG12KETA-B	0.30	27	0.24		
	ASHG14KETA ASHG14KETA-B	0.38	33	0.30		
Floor	AGHG09KVCA	0.19	16	0.15		
	AGHG12KVCA	0.23	20	0.18		
	AGHG14KVCA	0.25	23	0.20		

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 AUXG09KVLA AUXG12KVLA AUXG14KVLA	250 V, 5 A	Activate: 100 ±10 °C Fan motor stop Reset: 95 ±10 °C Fan motor restart	—	○
Mini duct	ARXG07KSLAP ARXG09KSLAP ARXG12KSLAP ARXG14KSLAP		Activate: 135 ±15 °C Fan motor stop Reset: 115 ±15 °C Fan motor restart		
Slim duct	ARXG07KLLAP		Activate: 135 ±15 °C Fan motor stop Reset: 105 ±15 °C Fan motor restart		
	ARXG09KLLAP ARXG12KLLAP ARXG14KLLAP		Activate: 135 ±15 °C Fan motor stop Reset: 115 ±15 °C Fan motor restart		
Wall mounted	ASHG07KGTB ASHG09KGTB	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	—
	ASHG12KGTB ASHG14KGTB		Activate: 125 ±10 °C Fan motor stop Reset: 100 ±10 °C Fan motor restart		
	ASHG07KMTB ASHG09KMTB ASHG12KMTB		Activate: More than 95 °C Fan motor speed down Reset: 95 °C or less Fan motor speed recover		
	ASHG14KMTB		Activate: 125 ±10 °C Fan motor stop Reset: 100 ±10 °C Fan motor restart		
	ASHG07KMCC ASHG09KMCC ASHG12KMCC ASHG14KMCC		Activate: 170 $^{+25}_{-30}$ °C Fan motor stop Reset: 145 $^{+25}_{-30}$ °C Fan motor restart	—	
	ASHG07KETA ASHG07KETA-B ASHG09KETA ASHG09KETA-B ASHG12KETA ASHG12KETA-B		Activate: More than 85 °C Fan motor speed down Reset: 85 °C or less Fan motor speed recover	102 °C Off	
	ASHG14KETA ASHG14KETA-B		Activate: 125 ±25 °C Fan motor stop Reset: 110$^{+25}_{-20}$°C Fan motor restart		
Floor	AGHG09KVCA AGHG12KVCA AGHG14KVCA	250 V, 3.15 A	Activate: 150 ±15°C Fan motor stop Reset: 120 ±15°C Fan motor restart	110°C Off	—

*: 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:**

Indoor unit PCB

CN47
(Ext. out)

Terminal
(Ext. in)

• **Mini duct and Slim duct types:**

CN47 (Ext. out)

Terminal (Ext. in)

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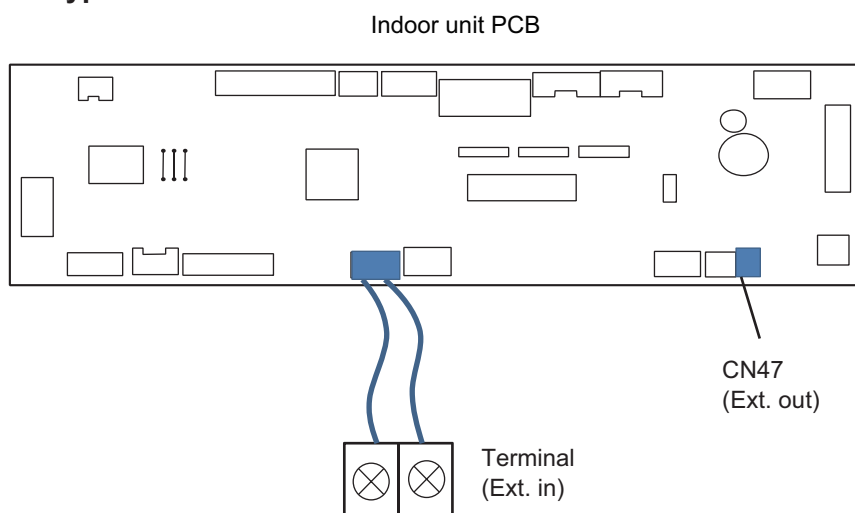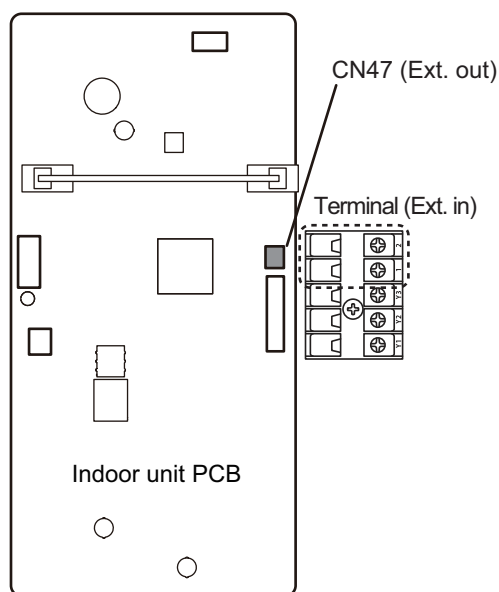
External input and output		Connector	Input select	Input signal	External connect kit (Optional parts)
External input	Operation/Stop Forced stop	Terminal	Dry contact	Edge	—
External output	Operation status	CN47	—	—	UTY-XWZXZG
	Error status				
	Indoor unit fan operation status				
	External heater output				

■ 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.
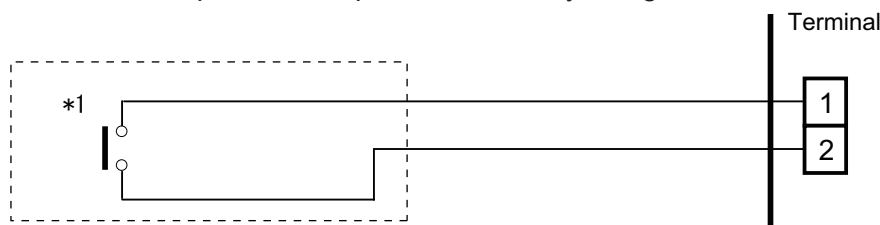
Terminal

*1

1

2

*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 101.

● When indicator, etc. are connected directly
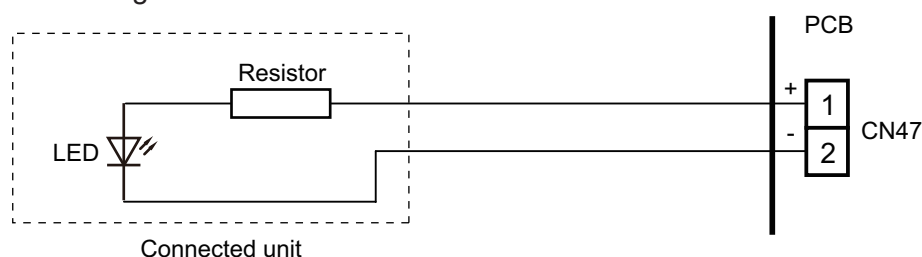
Example: Function setting 60 is set to "00"

PCB

Resistor

LED

+ 1

- 2 CN47

Connected unit

● When connecting with a device equipped with a power supply

Example: Function setting 60 is set to "00"

PCB

Connected device
(Operation status)

+ 1

- 2 CN47

Connected unit   Relay
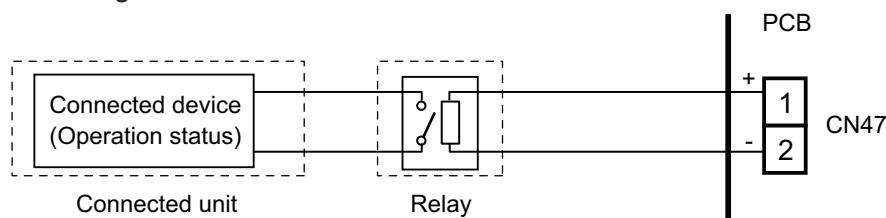
■ Combination of external input and output

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".

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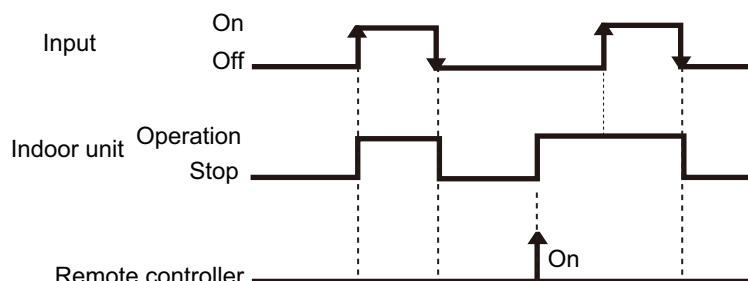
NOTES:
- The last command has priority.
- The indoor units within the same remote controller group operates in the same mode.

- **When function setting is "Forced stop" mode**

Function setting	External input	Input signal	Command
46—02	Terminal	Off → On	Forced stop
		On → Off	Normal
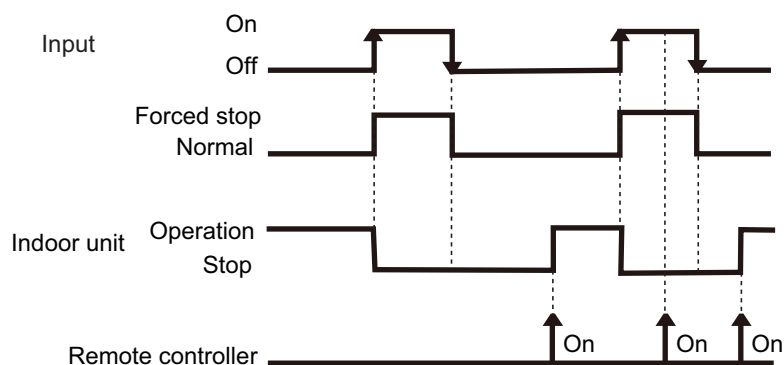
NOTES:
- When the forced stop is triggered, indoor unit stops and Operation/Stop operation by the remote controller is restricted.
- When forced stop function is used with forming a remote controller group, connect the same equipment to each indoor unit within the group.

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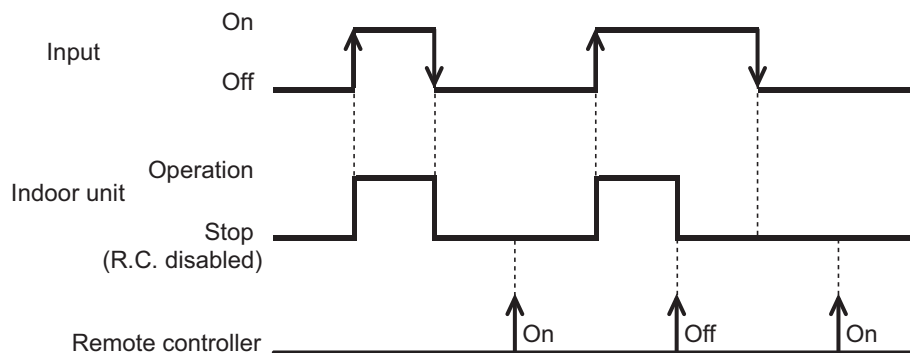
NOTE: When "Operation/Stop" mode 2 function is used with forming a remote controller group, connect the same equipment to each indoor unit within the group.

● 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.
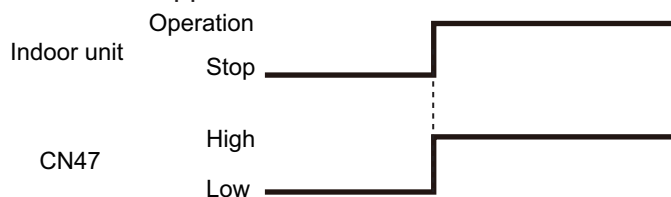
● Error status

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.
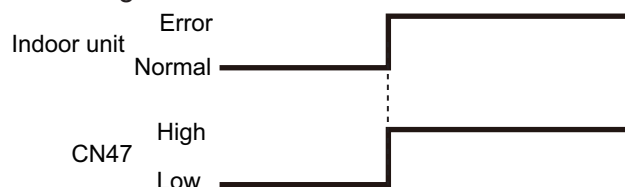
● Indoor unit fan operation status

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.
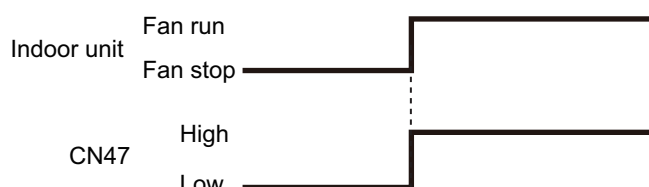
● External heater output

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 • Other than Heating mode • Error occurred
On → Off	• Forced thermo off • Fan stop protection

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.
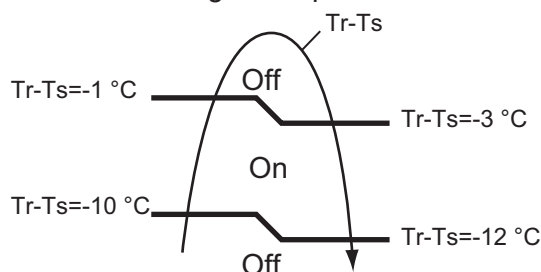
The output also turns off in defrost operation.

11-2. Wall mounted type (Models: ASHG07KGTB, ASHG09KGTB, ASHG12KGTB, ASHG14KGTB, ASHG07KETA, ASHG09KETA, ASHG12KETA, ASHG14KETA, ASHG07KETA-B, ASHG09KETA-B, ASHG12KETA-B, and ASHG14KETA-B)

External input and output PCB

To CN6 on Indoor unit PCB
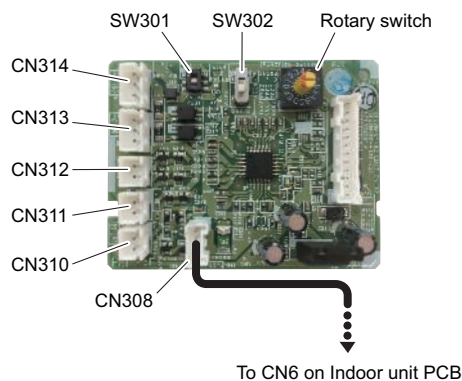
PCB	External input	External output	Connector	Input select	Input signal
External input and output (UTY-XCSXZ2)	Operation/Stop	-	CN313/ CN314	Dry contact/ Apply voltage	Edge/Pulse
	Forced stop				
	Forced thermostat off		CN313		Edge
	-	Operation status	CN310	-	-
		Error status	CN311		
		Indoor unit fan operation status	CN312		

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

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11-2. Wall mounted type (Models: ASHG07KGTB, ASHG09KGTB, ASHG12KGTB, ASHG14KGTB, ASHG07KETA, ASHG09KETA, ASHG12KETA, ASHG14KETA, ASHG07KETA-B, ASHG09KETA-B, ASHG12KETA-B, and ASHG14KETA-B)

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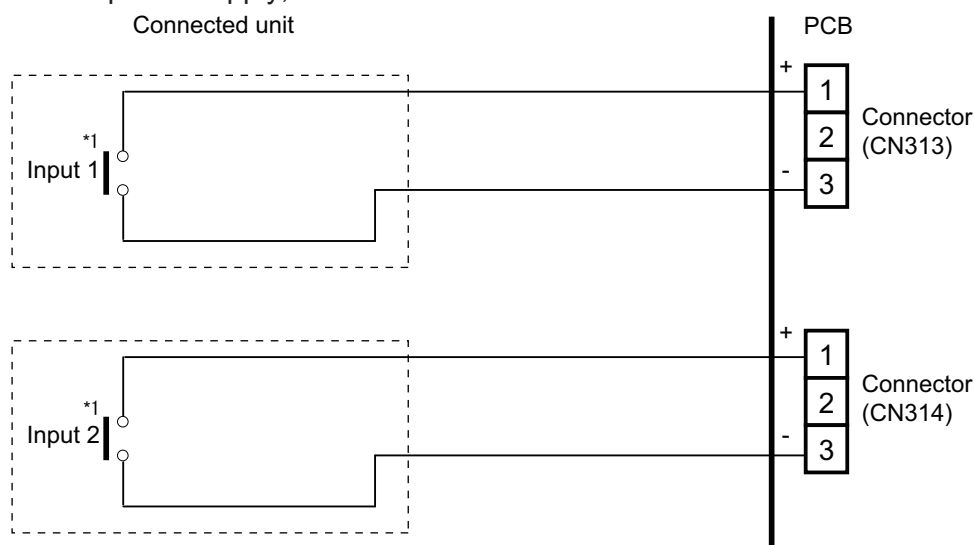
*1: The switches can be used on the following condition: DC 12 V to 24 V, 1 mA to 15 mA.

  – Apply voltage
    In case of external power supply, set the slide switch of SW301 to "VOL" side.
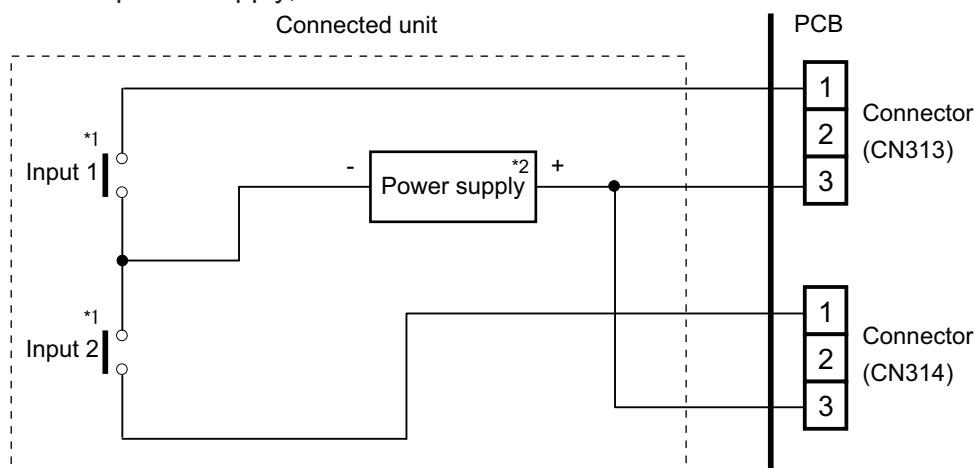
*1: The switches can be used on the following condition: DC 12 V to 24 V, 1 mA to 15 mA.

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

11-2. Wall mounted type (Models: ASHG07KGTB, ASHG09KGTB, ASHG12KGTB, ASHG14KGTB, ASHG07KETA, ASHG09KETA, ASHG12KETA, ASHG14KETA, ASHG07KETA-B, ASHG09KETA-B, ASHG12KETA-B, and ASHG14KETA-B)

11. External input and output

■ 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 108.

- **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".

11-2. Wall mounted type (Models: ASHG07KGTB, ASHG09KGTB, ASHG12KGTB, ASHG14KGTB, ASHG07KETA, ASHG09KETA, ASHG12KETA, ASHG14KETA, ASHG07KETA-B, ASHG09KETA-B, ASHG12KETA-B, and ASHG14KETA-B)
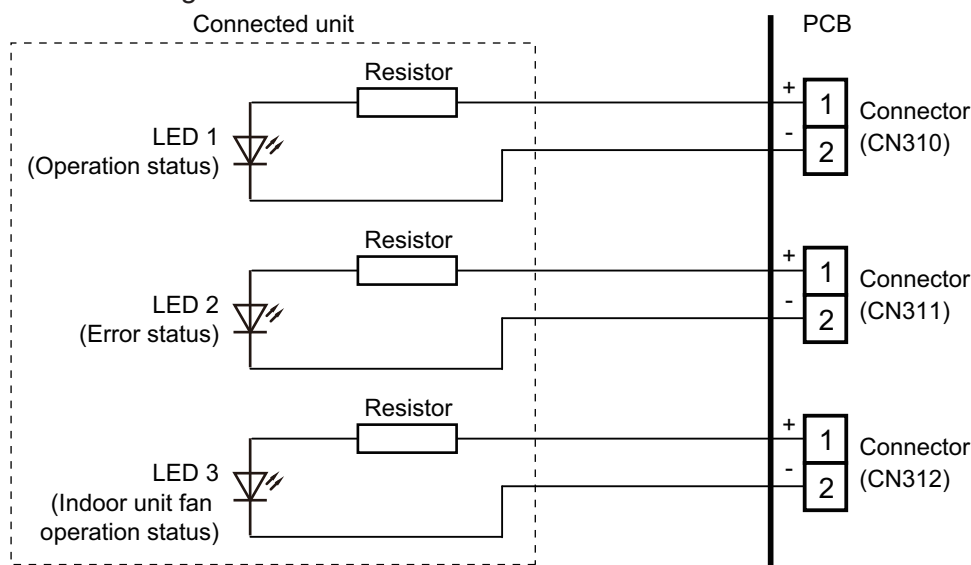
11. External input and output
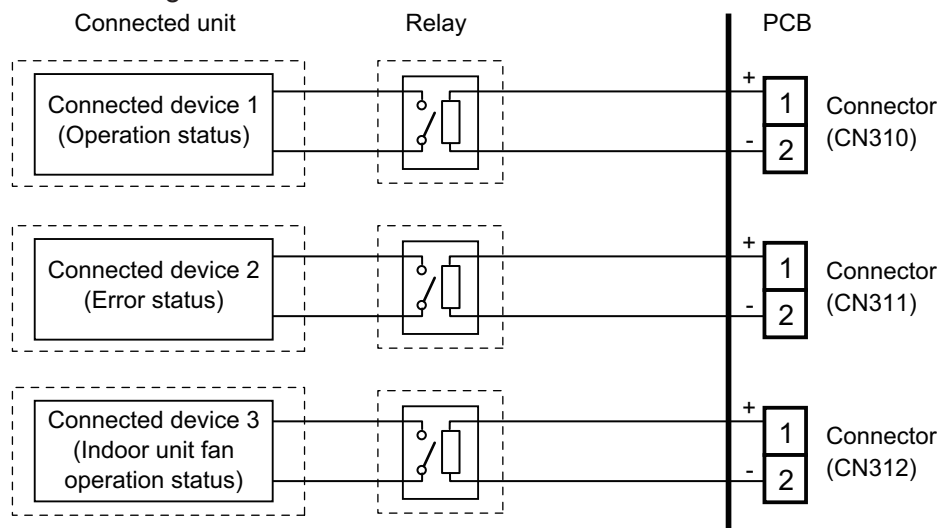
■ Combination of external input and output

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)

11-2. Wall mounted type (Models: ASHG07KGTB, ASHG09KGTB, ASHG12KGTB, ASHG14KGTB, ASHG07KETA, ASHG09KETA, ASHG12KETA, ASHG14KETA, ASHG07KETA-B, ASHG09KETA-B, ASHG12KETA-B, and ASHG14KETA-B)

11. External input and output

● 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.
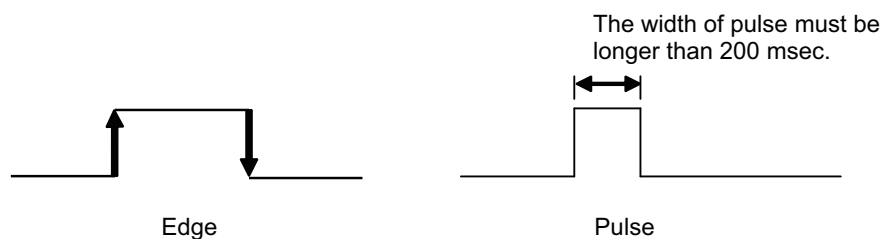
The width of pulse must be longer than 200 msec.

Edge

Pulse

11-2. Wall mounted type (Models: ASHG07KGTB, ASHG09KGTB, ASHG12KGTB, ASHG14KGTB, ASHG07KETA, ASHG09KETA, ASHG12KETA, ASHG14KETA, ASHG07KETA-B, ASHG09KETA-B, ASHG12KETA-B, and ASHG14KETA-B)

11. External input and output

■ 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	Pulse	Stop

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

11-2. Wall mounted type (Models: ASHG07KGTB, ASHG09KGTB, ASHG12KGTB, ASHG14KGTB, ASHG07KETA, ASHG09KETA, ASHG12KETA, ASHG14KETA, ASHG07KETA-B, ASHG09KETA-B, ASHG12KETA-B, and ASHG14KETA-B)

11. External input and output

- **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.

11-2. Wall mounted type (Models: ASHG07KGTB, ASHG09KGTB, ASHG12KGTB, ASHG14KGTB, ASHG07KETA, ASHG09KETA, ASHG12KETA, ASHG14KETA, ASHG07KETA-B, ASHG09KETA-B, ASHG12KETA-B, and ASHG14KETA-B)

11. External input and output

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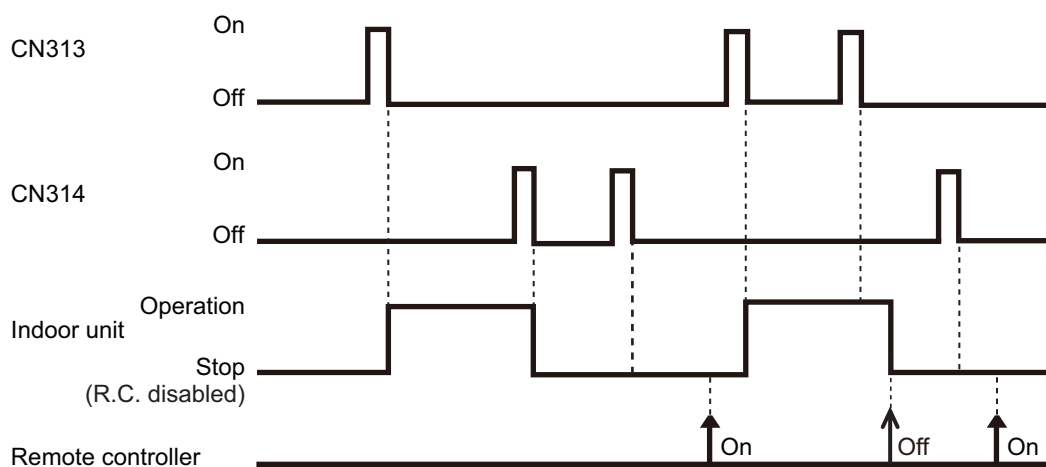
NOTE: When "Operation/Stop" mode 2 function is used with forming a remote controller group, connect the same equipment to each indoor unit within the group.

11-2. Wall mounted type (Models: ASHG07KGTB, ASHG09KGTB, ASHG12KGTB, ASHG14KGTB, ASHG07KETA, ASHG09KETA, ASHG12KETA, ASHG14KETA, ASHG07KETA-B, ASHG09KETA-B, ASHG12KETA-B, and ASHG14KETA-B)

11. External input and output

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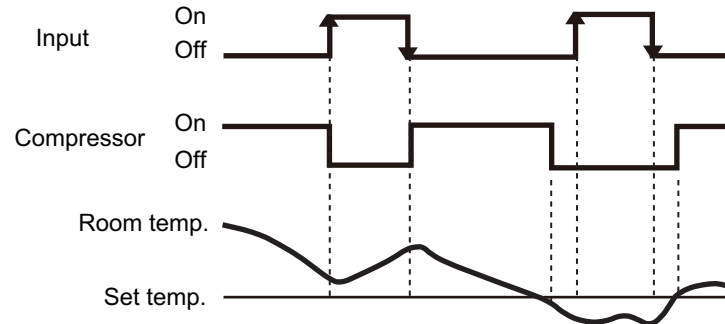
NOTE: When the signal is received from another unit on the refrigerant circuit, there may be a delay in thermostat off function at the unit.

● 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
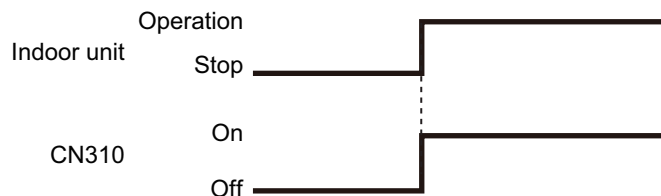
The output is low when the unit is stopped.

Indoor unit — Operation / Stop

CN310 — On / Off

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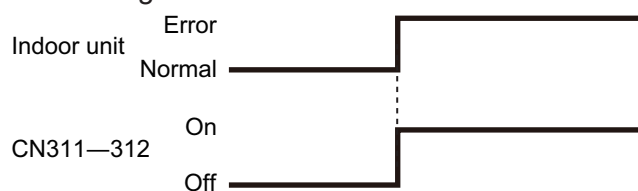
The output is ON when an error is generated for the indoor unit.

Indoor unit — Error / Normal

CN311—312 — On / Off

• 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.

Indoor unit — Fan run / Fan stop

CN311—312 — On / Off
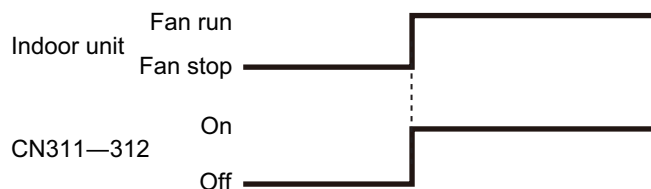
11-3. Wall mounted type (Models: ASHG07KMTB, ASHG09KMTB, ASHG12KMTB, ASHG14KMTB, ASHG07KMCC, ASHG09KMCC, ASHG12KMCC, and ASHG14KMCC)

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

11-3. Wall mounted type (Models: ASHG07KMTB, ASHG09KMTB, ASHG12KMTB, ASHG14KMTB, ASHG07KMCC, ASHG09KMCC, ASHG12KMCC, and ASHG14KMCC)

11. External input and output

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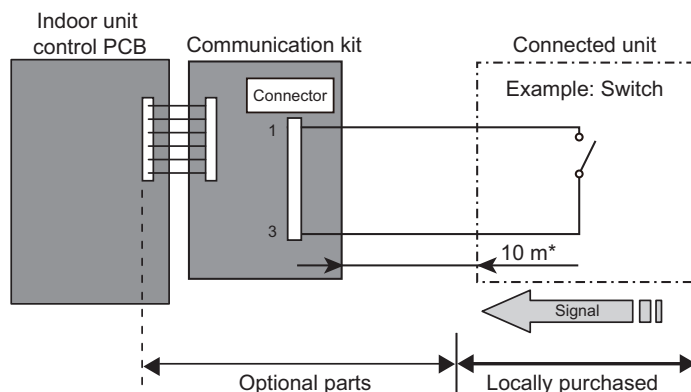
- Contact capacity: DC 24 V or more, 10 mA or more.
- *: Make the distance from the PCB to the connected unit within 10 m.
- Use non-polar relays and switches.

– When function setting is "Operation/Stop" mode

– When function setting is "Forced stop" mode

Remote control operation invalidity
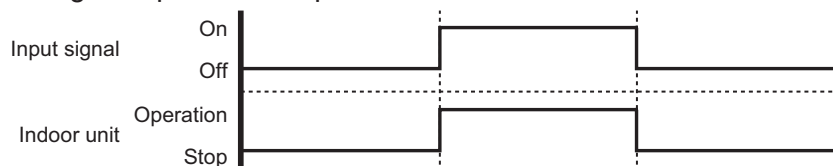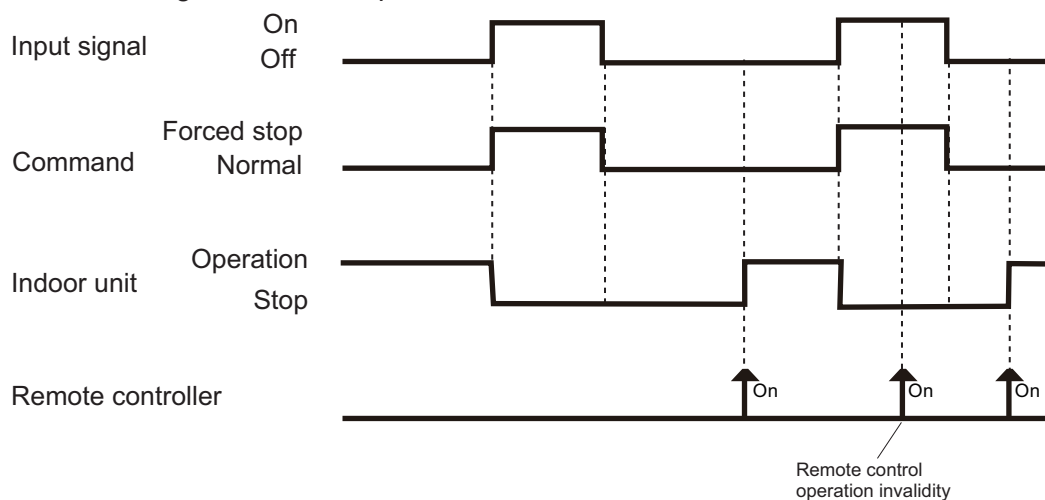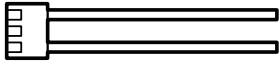
– When function setting is "Operation/Stop" mode 2

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.

11-3. Wall mounted type (Models: ASHG07KMTB, ASHG09KMTB, ASHG12KMTB, ASHG14KMTB, ASHG07KMCC, ASHG09KMCC, ASHG12KMCC, and ASHG14KMCC)

11. External input and output
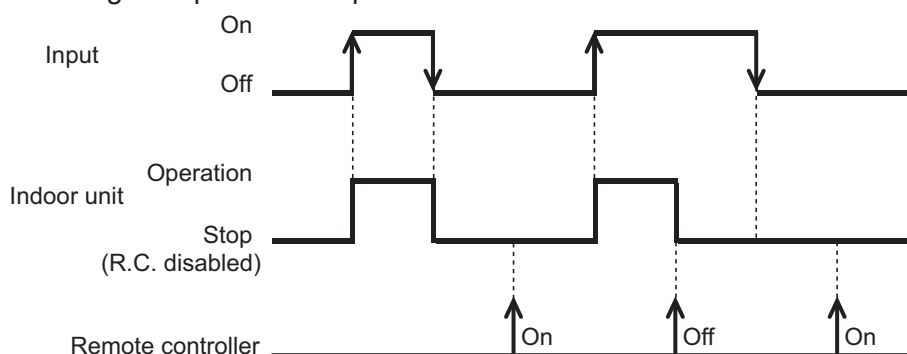
- **Optional part**

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).

11-3. Wall mounted type (Models: ASHG07KMTB, ASHG09KMTB, ASHG12KMTB, ASHG14KMTB, ASHG07KMCC, ASHG09KMCC, ASHG12KMCC, and ASHG14KMCC)

11. External input and output

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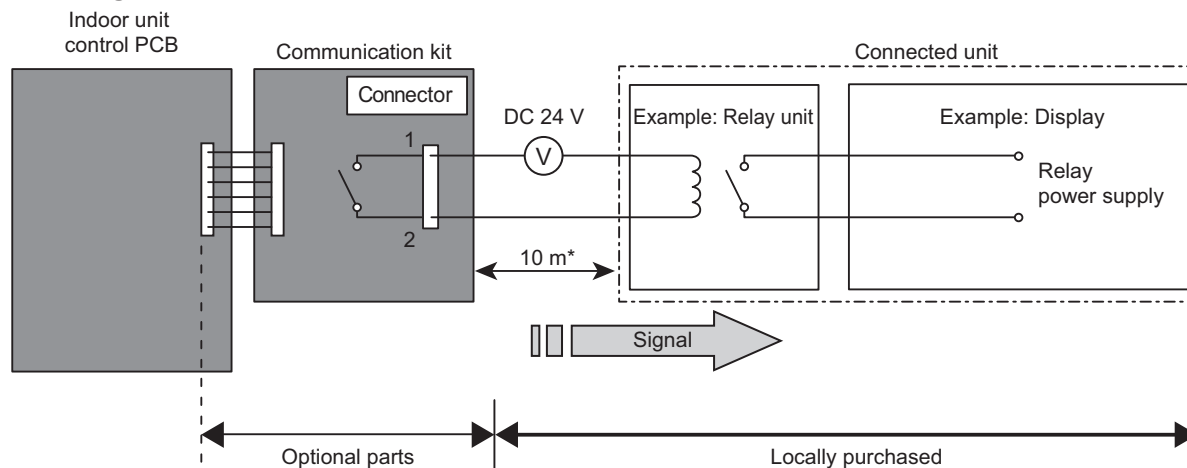
– *: Make the distance from the PCB to the connected unit within 10 m.
– Relay spec: Max. DC 24 V, 10 mA to less than 500 mA.

- **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).

11-3. Wall mounted type (Models: ASHG07KMTB, ASHG09KMTB, ASHG12KMTB, ASHG14KMTB, ASHG07KMCC, ASHG09KMCC, ASHG12KMCC, and ASHG14KMCC)

11. External input and output
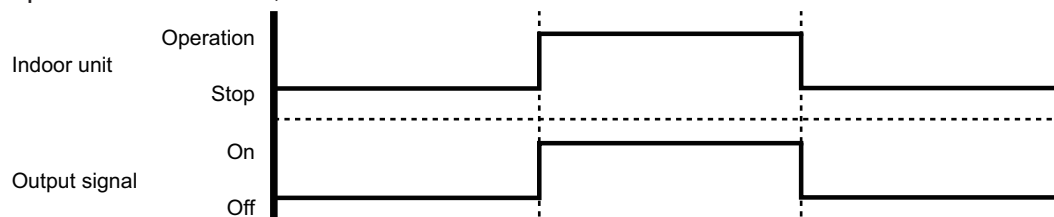
● Error status output

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).

11-3. Wall mounted type (Models: ASHG07KMTB, ASHG09KMTB, ASHG12KMTB, ASHG14KMTB, ASHG07KMCC, ASHG09KMCC, ASHG12KMCC, and ASHG14KMCC)

11. External input and output

11-4. Floor type

Indoor unit PCB

PCB	External input	External output	Connector	Input signal
Indoor unit	Operation/Stop	—	CN14	Edge
	Forced stop			
	Forced thermostat off		CN15	
	—	Operation status	CN20/CN21/CN22/CN23	—
		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 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

Indoor unit functions such as Operation/Stop can be done by using indoor unit connectors.
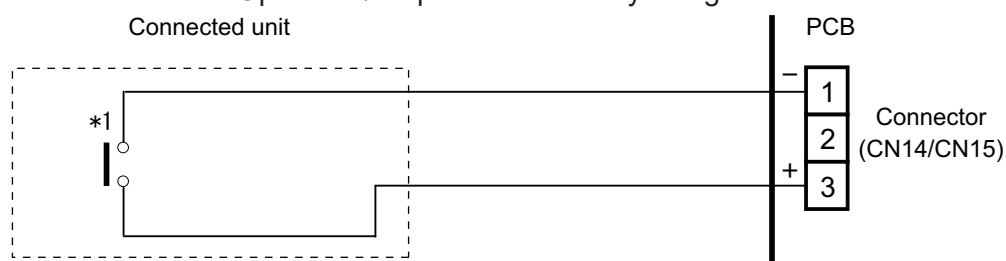
*1: The switch can be used on the following condition: DC 12 V to24 V,1 mA to15 mA.

■ External output

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

● Indoor unit

- 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 Chapter 11-4-3. "Combination of external input and output" on page 122.

● When indicator or other components are connected directly

Example: Function setting 60 is set to "00"
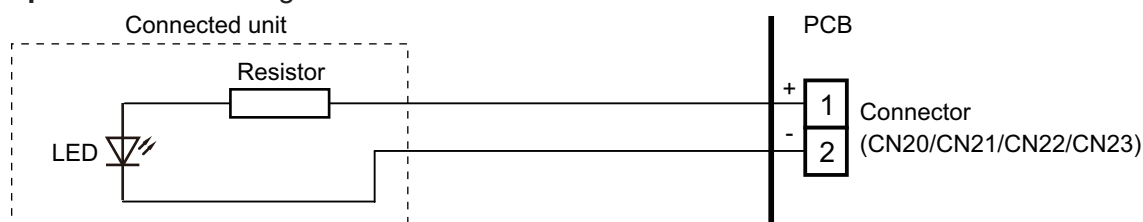
● When connecting with a device equipped with a power supply

Example: Function setting 60 is set to "00"
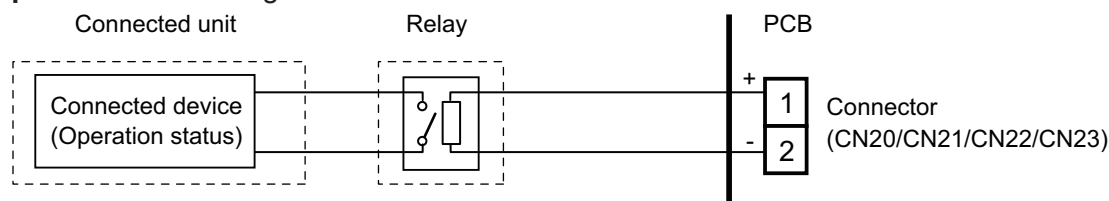
■ Combination of external input and output

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

Combination examples of external input and output are as follows:

Mode	Function setting	External input	
		Indoor unit	
		CN14	CN15
0	60-00	Operation/Stop (Function setting 46-00) or Forced stop (Function setting 46-02)	Forced thermostat Off
9	60-09		Forced thermostat Off
10	60-10		Forced thermostat Off
11	60-11		Forced thermostat Off
12	60-12		Forced thermostat Off

Mode	Function setting	External output			
		Indoor unit			
		CN20	CN21	CN22	CN23
0	60-00	Operation/Stop	Error status	Indoor unit fan operation status	External heater output
9	60-09	Error status	Operation/Stop	Indoor unit fan operation status	External heater output
10	60-10	Indoor unit fan operation status	Operation/Stop	Error status	External heater output
11	60-11	External heater output	Operation/Stop	Indoor unit fan operation status	Error status

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

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

      01:(Setting prohibited)

      02: Forced stop

      03: Operation/Stopmode 2 (R.C. disabled)

● Input signal type
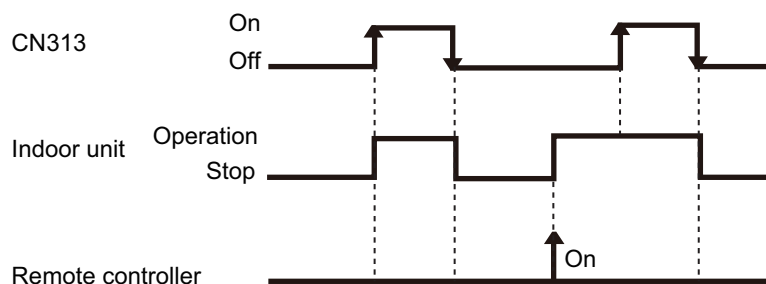
- **Indoor unit**
  Input signal type is only "Edge".
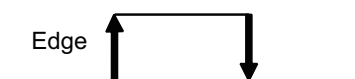
Edge

■ Details of function

● Control input function

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

Mode	Function setting		External input		Input signal	Command
0	46-00	—	Input of indoor unit	CN14	Off → On	Operation
					On → Off	Stop
		60-00		CN15	Off → On	Operation
					On → Off	Stop
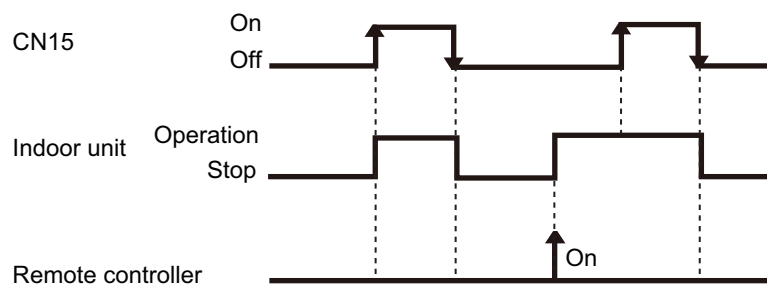
- **When function setting is "Forced stop" mode**
  - **In the case of "Edge" input**

Mode	Function setting		External input		Input signal	Command
0	46-02	—	Input of indoor unit	CN14	Off → On	Forced stop
					On → Off	Normal
		60-00		CN15	Off → On	Forced stop
					On → Off	Normal
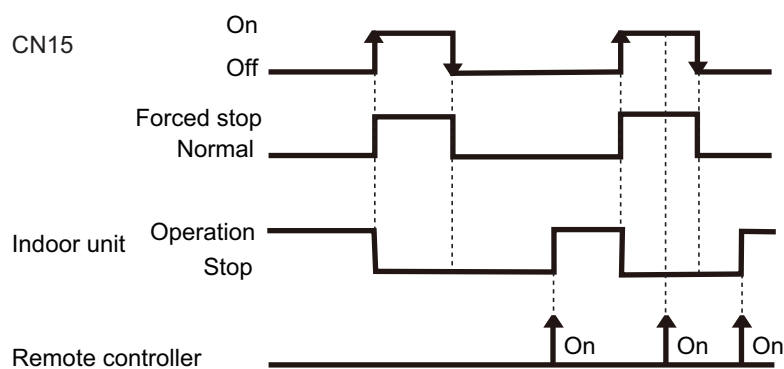
- • **When function setting is "Operation/Stop"mode 2**
  - – **In the case of "Edge" input**

Mode	Function setting			External input		Input signal	Command
0	46-03	—		Input of indoor unit		CN14	Off → On	Operation
							On → Off	Stop (R.C. disabled)
		60-00				CN15	Off → On	Operation
							On → Off	Stop (R.C. disabled)
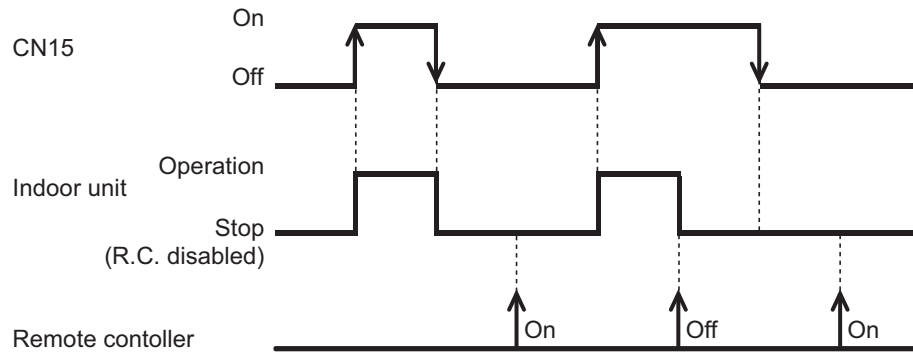
● Control output function

• Operation/Stop status

Mode	Function setting	External output		Output signal	Command
0	60-00	Output of indoor unit	CN15	Low → High	Operation
				High → Low	Stop
0	60-00		CN20	Off → On	Operation
				On → Off	Stop

The output is low when the unit is stopped.
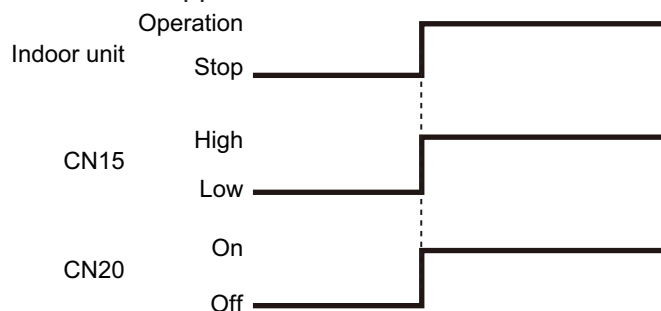
• Error status

Mode	Function setting	External output		Output signal	Command
9	60-09	Output of indoor unit	CN15	Low → High	Error
				High → Low	Normal
0	60-00		CN21	Off → On	Error
				On → Off	Normal

The output is ON when an error is generated for the indoor unit.
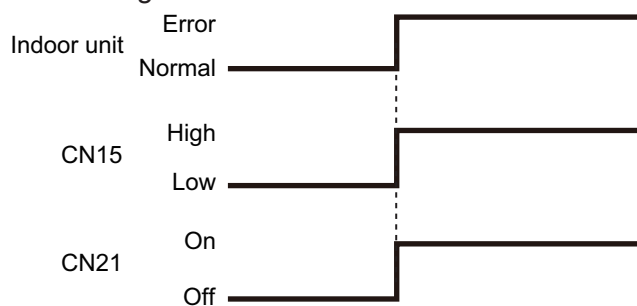
- **Indoor unit fan operation status**

Mode	Function setting	External output		Output signal	Command
10	60-10	Output of indoor unit	CN15	Low → High	Fan run
				High → Low	Fan stop
0	60-00		CN22	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.
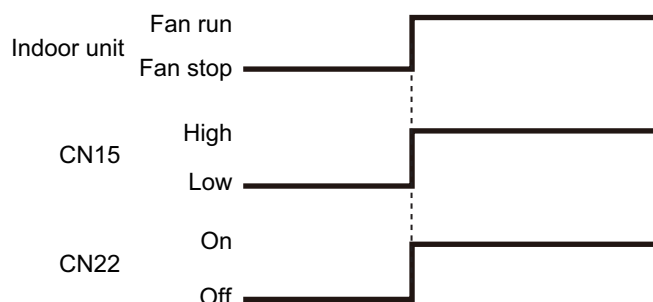
- **Set point attainment status**

 NOTE: This function is valid only when function setting 96 is set to "01" (Primary unit) or "02" (Secondary unit).
 When the room temperature does not reach the set point at a room due to the lower cooling performance caused by external factor such as the outdoor temperature change, signal is output to tell the attainment status of set point.

Mode	Function setting	External output		Output signal	Command
12	60-12	Outputof indoor unit	CN15	On → Off	Normal
				Off → On	Set point attainment

Output signal	Condition
Off	Reached the set point. (Tr≤ Tsα + 0.5°C)
On	Unreached the set point. (Tr> Tsα + 2.5°C) However, even if the set point unreached,the signal will not be output for 7 minutes after power is turned on.

When performing the server room control, both of the primary unit and secondary unit output the set point attainment status if any of the unit is outputting alternative operation command.
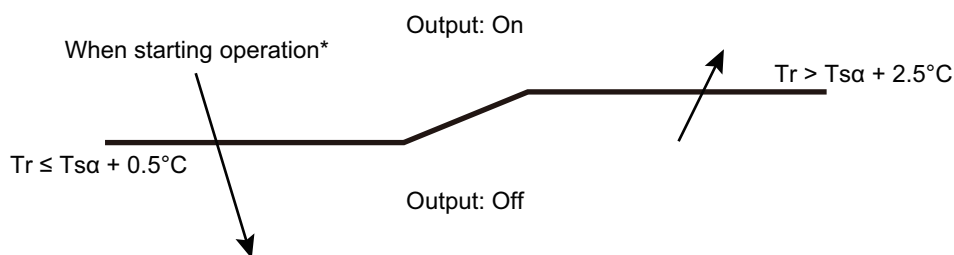
*: When starting operation or resetting, judges the zone to descending direction.

● External heater output

- **Installation configuration of individual connection**
  External heating device is installed individually. (No use of indoor unit fan)

ON / OFF

Example of heating device:
- Floor heating device

ON / OFF

Example of heating device:
- Floor heating device

On/Off

Example of heating device:
- Floor heating device

ON / OFF

Example of heating device:
- Floor heating device
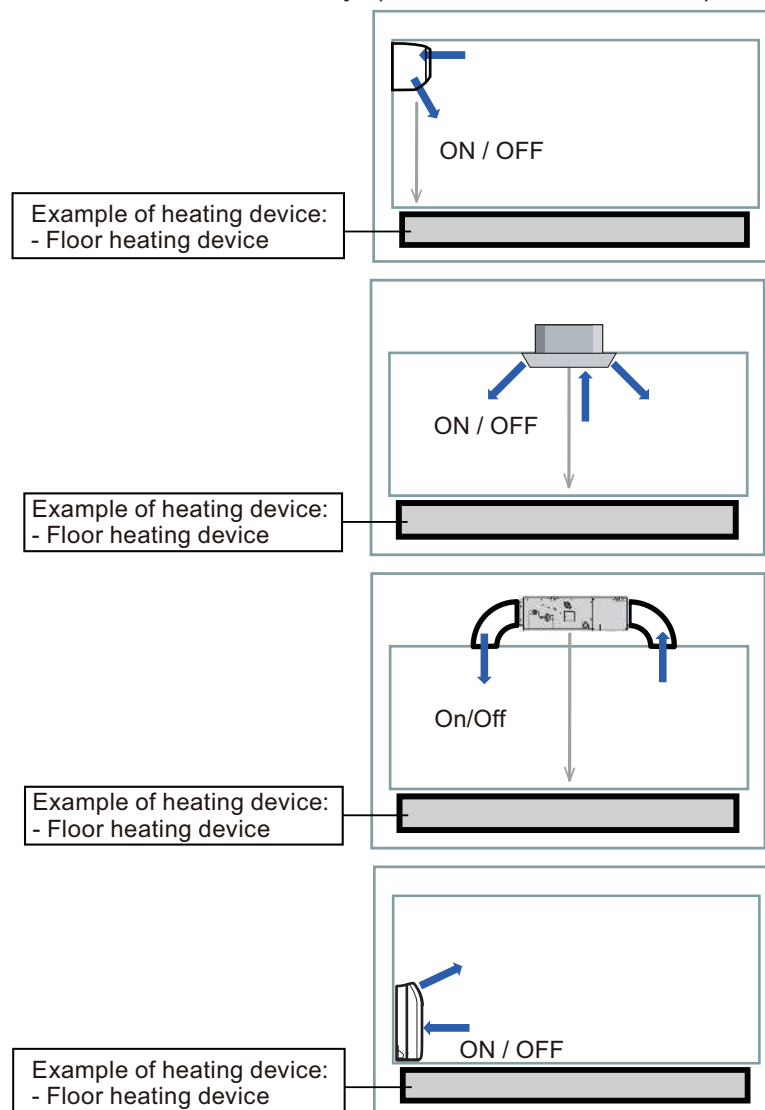
⚠ WARNING

- Design and install external heater appropriately with considering its protection.
- Inappropriate designing and installation of external heater may cause a fire by emitted heat from the external heater.
- Fujitsu General Ltd. is not responsible for inappropriate designing or installation of external heating device.

- **Auxiliary heater control 1**

Operation	Condition
Heater on	Heater is on as shown in following diagram of heating temperature.
Heater off	• Heater is off as shown in following diagram of heating temperature. • Other than heating mode • Error occurred • Forced thermostat off • Fan stop protection

– Temperature of heater on (Thon): Adjustable by function number 62 (Operating temperature switching of external heaters).
– All control temperatures will shift by adjusting "Thon".
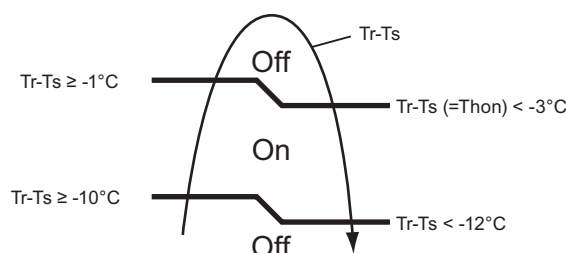
Tr: Room temperature
Ts: Set temperature
Thon: Heater on temperature

*: When room temperature stays in this zone for a specific time, auxiliary heater is turned on. For details, refer to function number 71.

Example: When set temperature (Ts) is 22°C (Factory setting),
– and room temperature (Tr) increases above 12°C, signal output is on.
– and room temperature (Tr) increases above 21°C, signal output is off.
– and room temperature (Tr) decreases below 19°C, signal output is on.
– and room temperature (Tr) decreases below 10°C, signal output is off.

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.
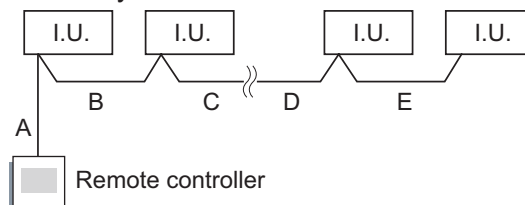
A, B, C, D, E: Remote controller cable	
Wiring length limitation	A + B + C + D + E ≤ 500 m

Example of wiring method
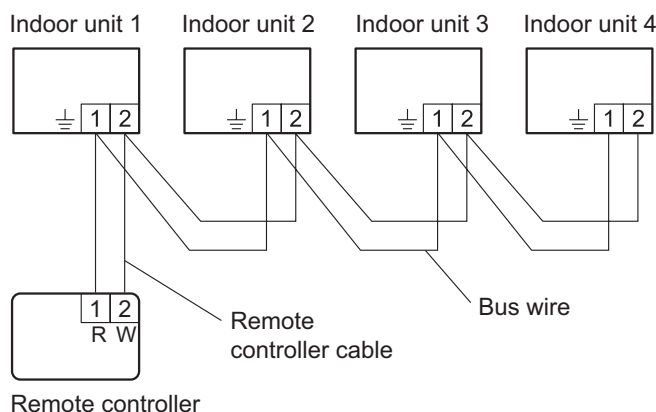
Example of wiring method
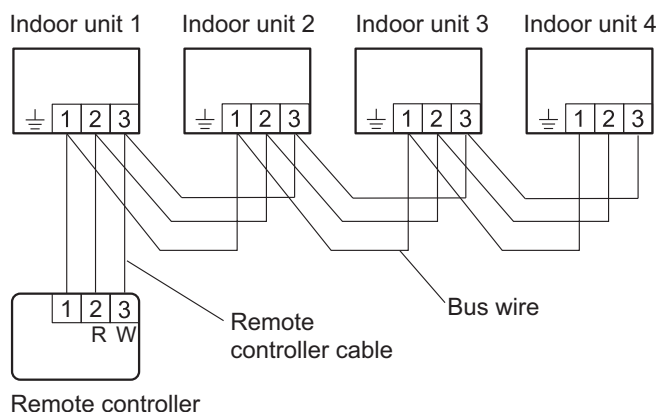
2. Set the R.C. address. (Function setting)

- 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 203.)

  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
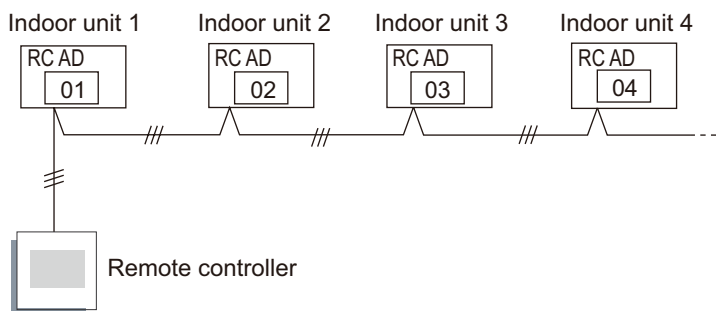
13. Remote controller

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

■ Overview

• **AR-REW4E**

Label	Button
	Signal transmitter
	10°C HEAT button
	TEMP. button
	POWERFUL button
	Start/Stop button

MODE button	**FAN button**

ECONOMY button

OUTDOOR UNIT LOW NOISE button

SWING button

SET button

TIMER SETTING button

SEND button

SELECT button

NEXT button

BACK button

WEEKLY button

ON/OFF button

SLEEP button

RESET button

TEST RUN button

CLOCK ADJUST button

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

Display panel

Transmit indicator

Mode indicator

LOW NOISE mode indicator

SEND indicator

Temperature indicator

Fan speed indicator

Swing indicator

Clock and Timer indicator

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**

Signal transmitter	**SENSOR button**
10°C HEAT button	**MODE button** / **FAN button**
TEMP. button	**ECONOMY button** / **SWING button**
POWERFUL button	**OUTDOOR UNIT LOW NOISE button** / **SET button**
Start/Stop button	**TIMER SETTING button** / **WEEKLY button**
	SEND button / **ON/OFF button**
	SELECT button / **SLEEP button**
	NEXT button / **RESET button**
	BACK button / **TEST RUN button** / **CLOCK ADJUST button**

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

Display panel

Transmit indicator	**Temperature indicator**
Mode indicator	**Fan speed indicator**
LOW NOISE mode indicator	**Swing indicator**
SEND indicator	**Clock and Timer indicator**

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**

| Signal transmitter | | MODE button | FAN button |

10°C HEAT button

TEMP. button

POWERFUL button

Start/Stop button

ECONOMY button

OUTDOOR UNIT LOW NOISE button

ON — ON TIMER button

OFF — OFF TIMER button

SELECT — TIMER SELECT button

SLEEP — SLEEP TIMER button

CANCEL — TIMER CANCEL button

SWING button

SET button

RESET button

CLOCK ADJUST button

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

Display panel

Temperature indicator

Mode indicator

LOW NOISE mode indicator

Transmit indicator

Fan speed indicator

Swing indicator

Clock and Timer indicator

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

Top view

Front view   Side view

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

● Holder

Unit: mm

Front View   Side View   Bottom View

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

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

13-2. Wireless remote controller (AR-REM7E)

■ Overview

Signal transmitter

10 °C HEAT button

TEMP. button

POWERFUL button

Start/Stop button

MODE button

FAN button

ECONOMY button

OUTDOOR UNIT LOW NOISE button

SWING button

SET button

TIMER SETTING button

SEND button

SELECT button

NEXT button

BACK button

WEEKLY button

ON/OFF button

SLEEP button

RESET button

TEST RUN button

CLOCK ADJUST button

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

Transmit indicator

Mode indicator

LOW NOISE mode indicator

SEND indicator

Temperature indicator

Fan speed indicator

Swing indicator

Clock and Timer indicator

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

Top view

205

61

Front view

17

Side view

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

● Holder

Unit: mm

48.5

Ø 3.5
(Hole)

106.8

150

3.5

6.5

Hole

69.3

Front View

5.5

26.2

Side View

Bottom View

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

13-3. Wireless remote controller (UTY-LNTG: Optional part)

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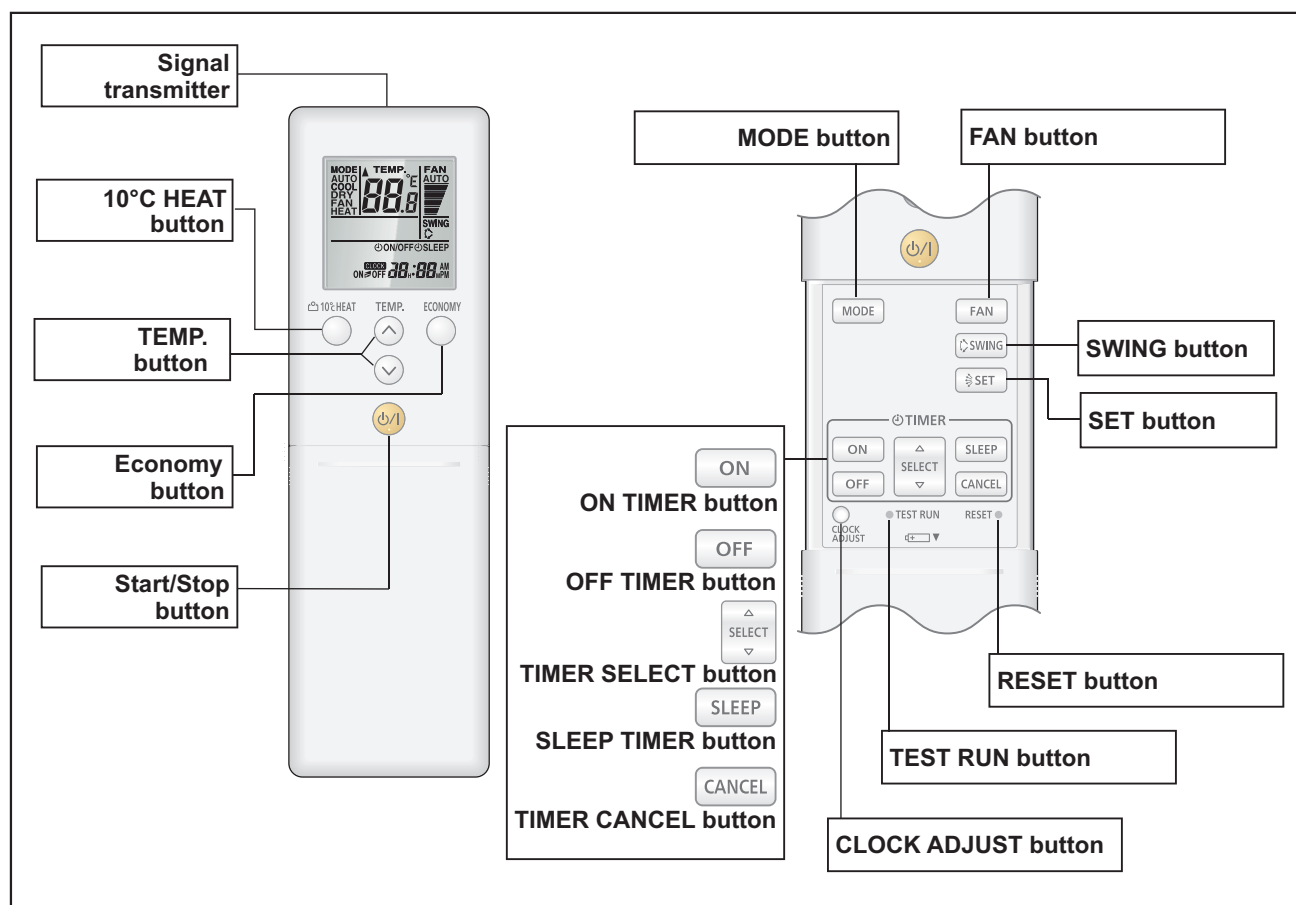
NOTE: Functions may differ by type of the indoor unit. For details, refer to the operation manual.

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

Top view

205

61   17

Front view   Side view

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

● Holder

Unit: mm

48.5

5.5

Ø 3.5
(Hole)

106.8

150

3.5

6.5   Hole

26.2

69.3

Front View   Side View   Bottom View
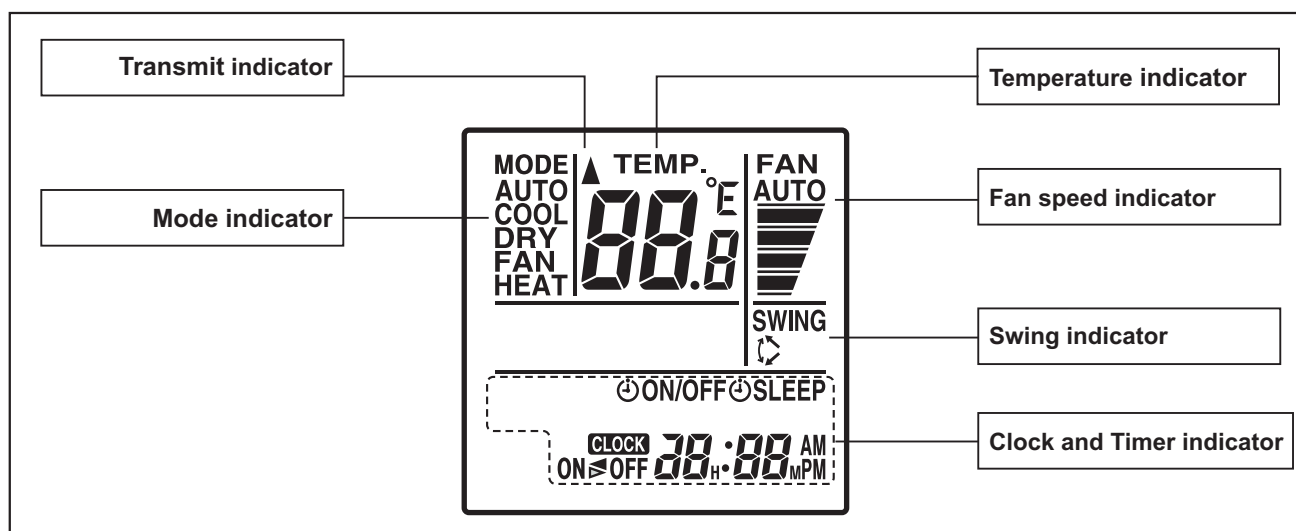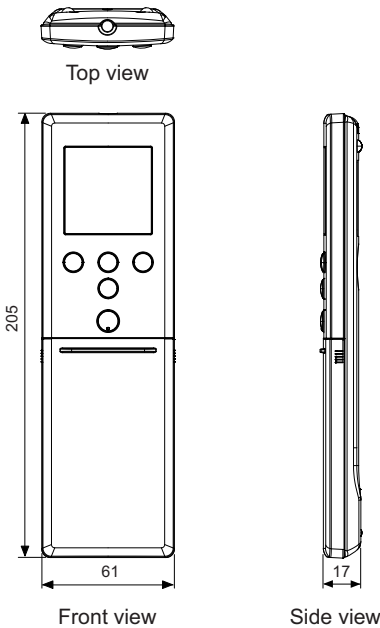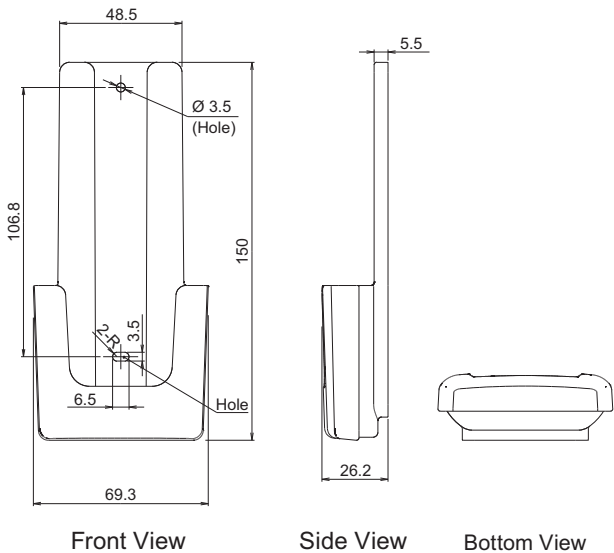
Size (H × W × D)	mm	150 × 69.3 × 26.2
Weight	g	27

13-4. IR receiver kit with Wireless remote controller (UTY-LBTGM: Optional part)

■ Overview

Signal transmitter

10°C HEAT button

TEMP. button

Economy button

Start/Stop button

MODE button

FAN button

SWING button

SET button

ON TIMER button

OFF TIMER button

TIMER SELECT button

SLEEP TIMER button

TIMER CANCEL button

RESET button

TEST RUN button

CLOCK ADJUST button

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

Display panel

Transmit indicator

Mode indicator

Temperature indicator

Fan speed indicator

Swing indicator

Clock and Timer indicator

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

Top view

205

61

Front view

17

Side view

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

● Holder

Unit: mm

48.5

Ø 3.5
(Hole)

106.8

150

3.5

6.5

Hole

69.3

Front View

5.5

26.2

Side View

Bottom View

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

● IR receiver

Unit: mm

| Front view | Side view | Rear view |
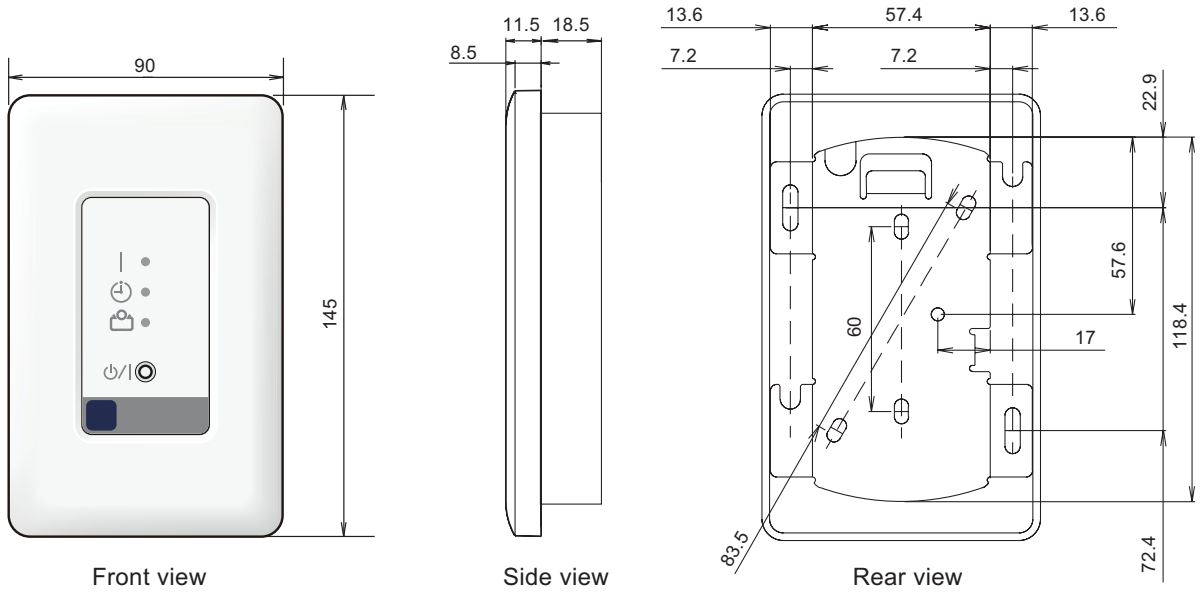
Size (H × W × D)	mm	145 × 90 × 30
Weight	g	150

13-4. IR receiver kit with Wireless remote controller (UTY-LBTGM: Optional part)   13. Remote controller

13-5. Wired remote controller (UTY-RNNGM: Optional part)
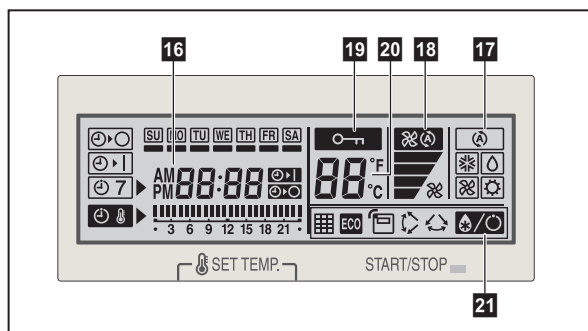
■ Overview

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
ECO Economy indicator
◊ Vertical swing indicator
◊ Horizontal swing indicator
▦ Filter indicator

■ System diagram
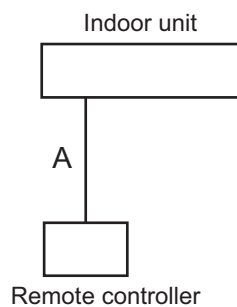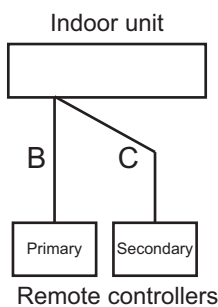
1 remote controller:

Indoor unit

A

Remote controller

2 remote controllers:

Indoor unit

B　C

Primary　Secondary

Remote controllers

A, B, C: Remote controller cable
A ≤ 500 m;B + C ≤ 500 m

■ Electrical wiring

1 remote controller:

Indoor unit

Remote controller

G　1　2　3

G　1　2　3

Remote controller

1 (Red): 12 V
2 (White): Signal
3 (Black): COM

2 remote controllers:

Indoor unit

Remote controller

G　1　2　3

G　1　2　3　　G　1　2　3

Primary　　Secondary

Remote controllers

1 (Red): 12 V
2 (White): Signal
3 (Black): COM

■ 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
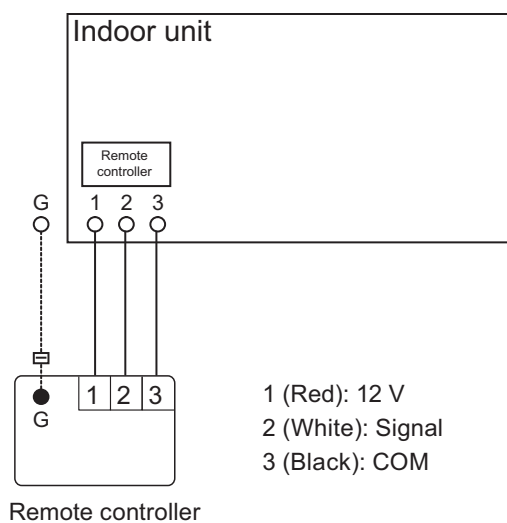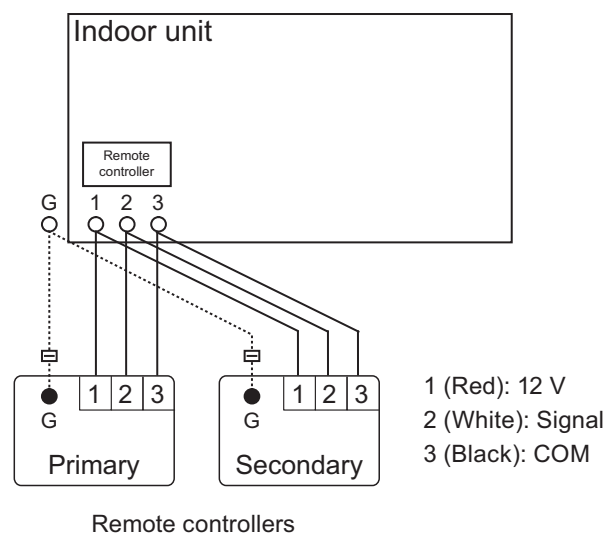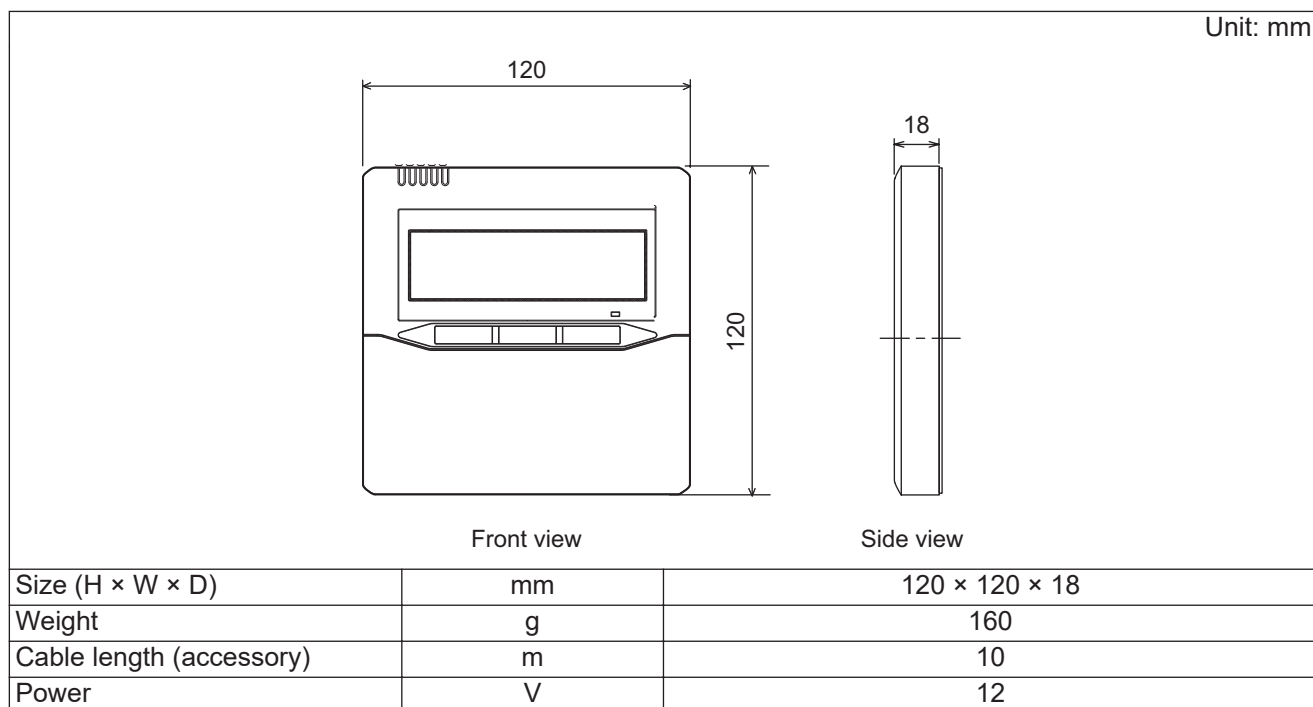
● Wiring specifications

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

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

■ Overview

Display panel

Monitor mode screen

Setting screen
(Example: Airflow direction setting)
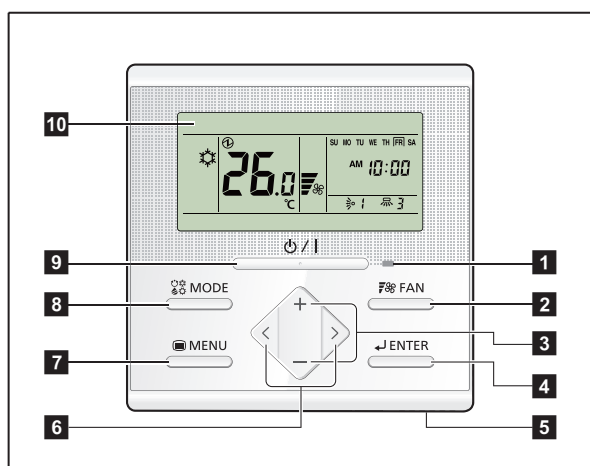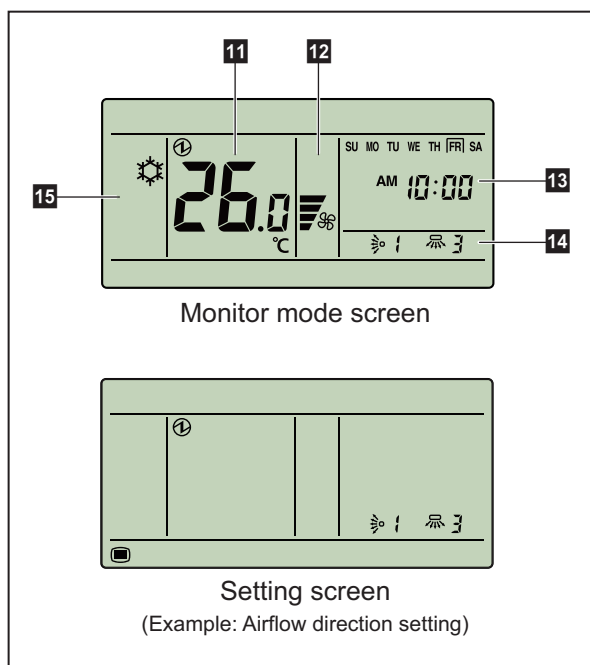
NOTE: For individual icons in Setting screen and related functions, refer to the operation manual.

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:

Auto   High   Med   Low   Quiet
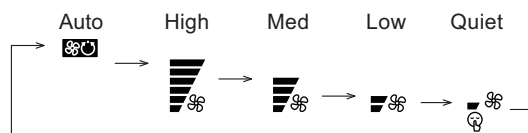
3 +, - buttons (Set temperature buttons)

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:

Auto   Cool   Dry   Fan   Heat

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:

Indoor unit

A

Remote controller

2 remote controllers:

Indoor unit

B   C

Primary   Secondary

Remote controllers

A, B, C: Remote controller cable
A ≤ 500 m; B + C ≤ 500 m

■ Electrical wiring

1 remote controller:

Y1 Y2 Y3   Indoor unit

When there is
a functional
grounding

Y1
Y2

Remote controller

2 remote controllers:

Y1 Y2 Y3   Indoor unit

When there is
a functional
grounding

Y1
Y2

Remote controller

Y1
Y2

Remote controller

Group control:

Indoor units

Y1 Y2 Y3   Y1 Y2 Y3   Y1 Y2 Y3   Y1 Y2 Y3

When there is
a functional grounding

Y1
Y2

Remote controller

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

Hole: 9 × 4.5
Hole: 6 × 4.5
Hole: 12.5 × 4.5

120

17

30   33

23

15.3

45.3

63.5

83.5

120

Front view   Side view   Rear view

Size (H × W × D)	mm	120 × 120 × 17
Weight	g	170
Power	V	12

● 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.

Functional earthing (If necessary)

Terminal block

Remote controller cable (Non-polar)

Indoor unit PCB

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.

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

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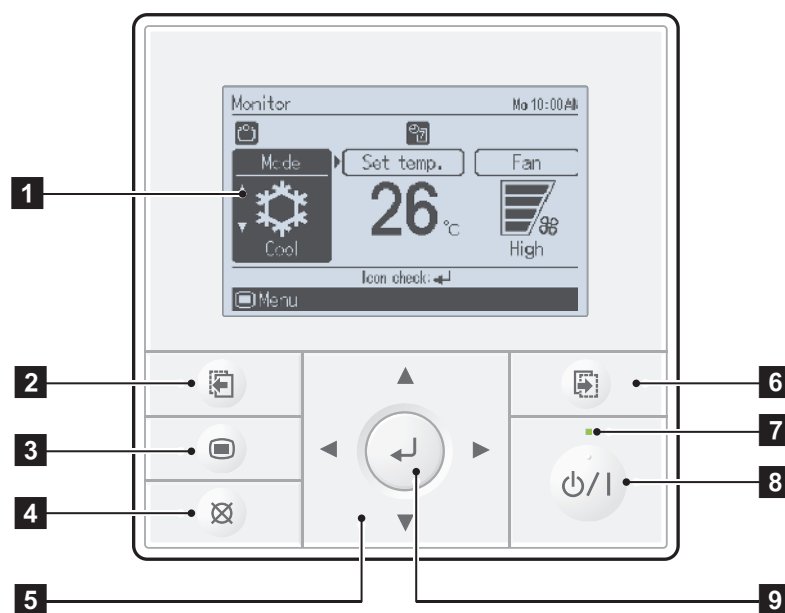
1 **Display panel (with backlight)**
2 **Screen switch button (Left)**
3 **Menu button**
4 **Cancel button**
5 **Cursor button**
6 **Screen switch button (Right)**
7 **Power indicator**
8 **On/off button**
9 **Enter button**

■ System diagram

1 remote controller:
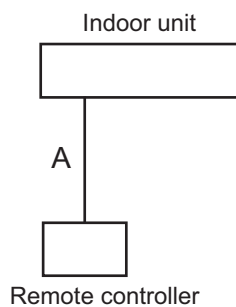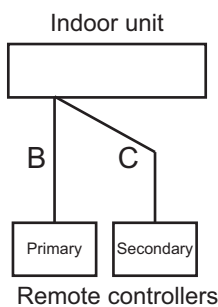
Indoor unit

A

Remote controller

2 remote controllers:

Indoor unit

B   C

Primary   Secondary

Remote controllers

A, B, C: Remote controller cable
A ≤ 500 m; B + C ≤ 500 m

■ Electrical wiring

1 remote controller:

Indoor unit

Remote
controller

1   2   3

1   2   3

Remote controller

1 (Red): 12 V
2 (White): Signal
3 (Black): COM

2 remote controllers:

Indoor unit

Remote
controller

1   2   3

1   2   3   1   2   3

Primary   Secondary
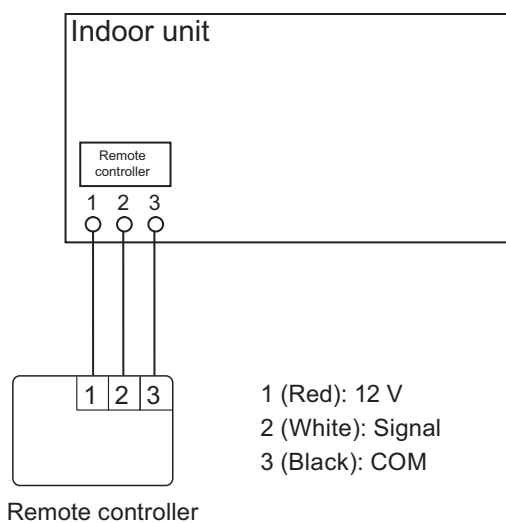
Remote controllers
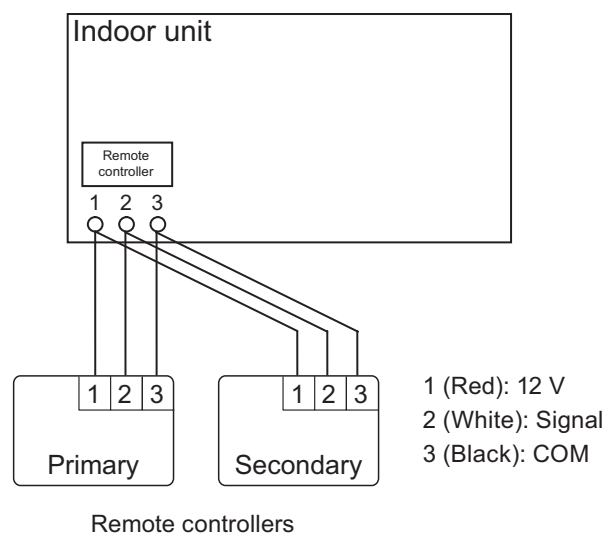
1 (Red): 12 V
2 (White): Signal
3 (Black): COM

■ Controller combination

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

● Good
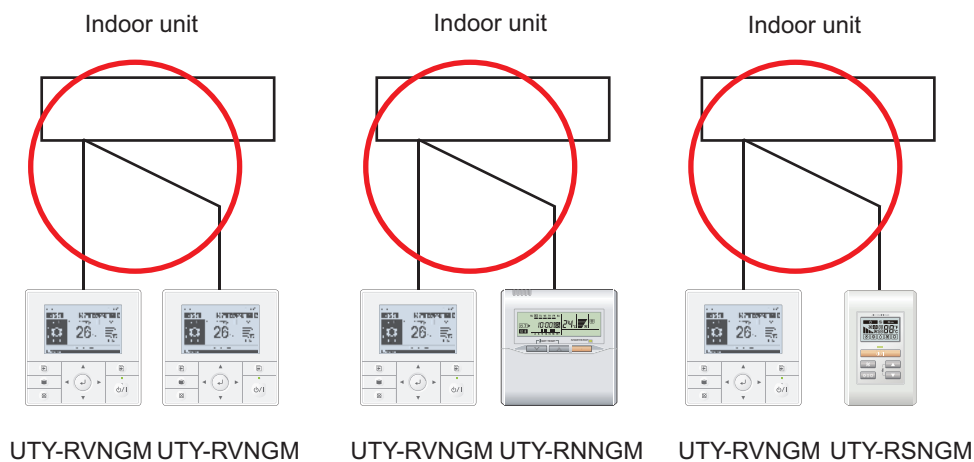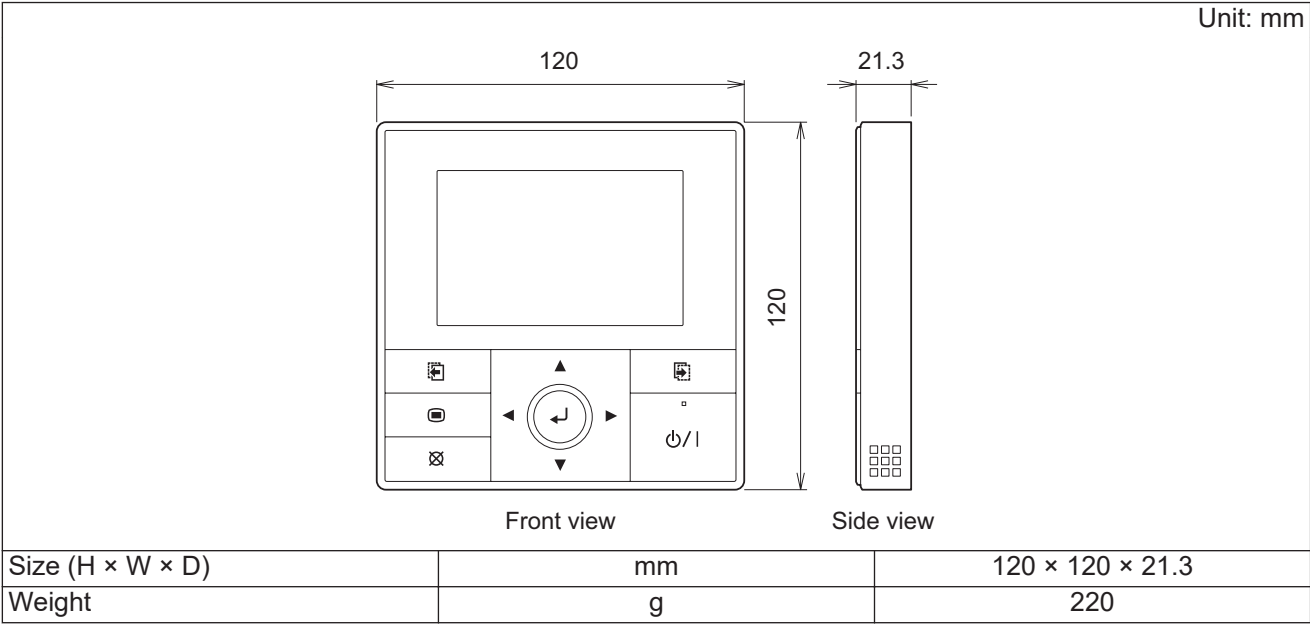
Indoor unit   Indoor unit   Indoor unit

UTY-RVNGM UTY-RVNGM   UTY-RVNGM UTY-RNNGM   UTY-RVNGM UTY-RSNGM

■ Specifications

Unit: mm

| 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:
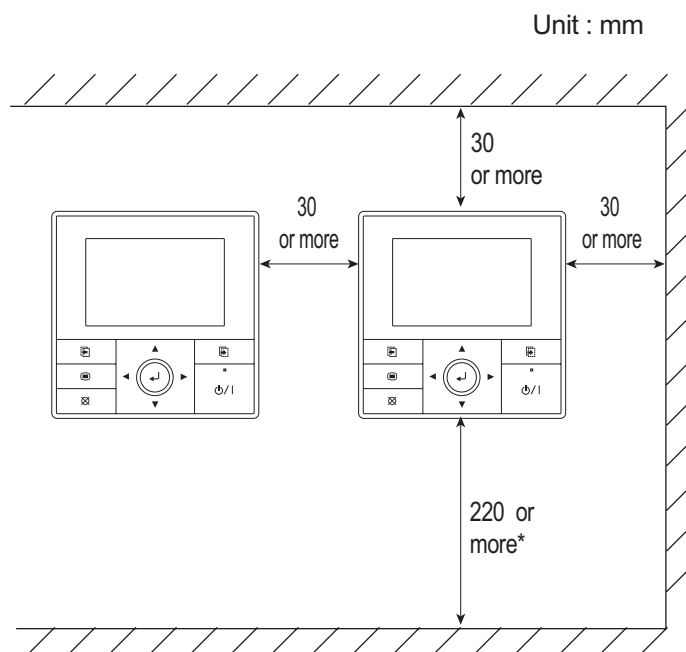
Unit : mm

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

- 1. 12V (Red)
- 2. Signal (White)
- 3. COM (Black)
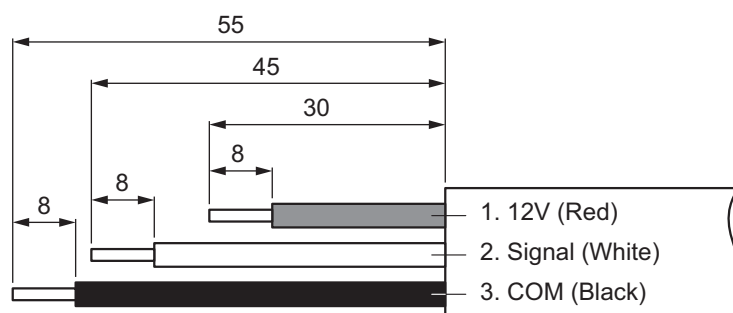
2. Insert the flat-blade screwdriver and twist it slightly to separate the front case and rear case.

Hooks (2 places)

Rear case

Front case

Flat screwdriver
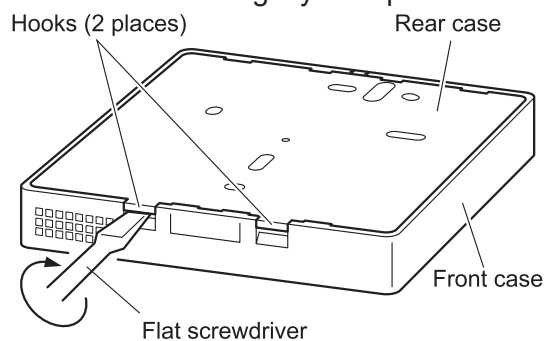
3. Attach the remote controller.
- **When attaching to switch box:**
  - a. Seal the wiring hole of the remote controller cable.
  - b. Put a remote controller cable through the hole of the rear case.
  - c. Fix the rear case by securing it with attached screws (2 places).

Seal the wiring hole of the remote controller cable with putty.

Remote controller cable

Box

Trap

Screws

Rear case

Putty

Trap
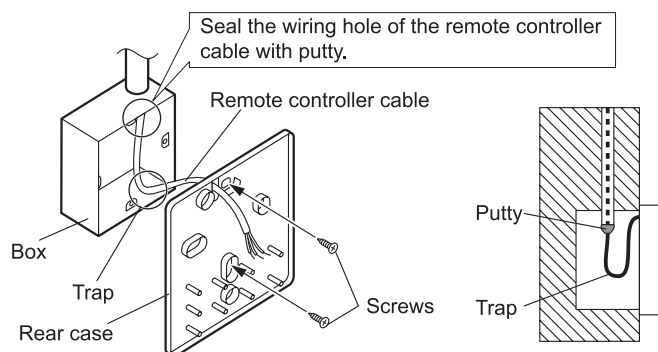
- **When attaching to the wall directly:**
  - a. Seal the wiring hole of the remote controller cable.
  - b. Put a remote controller cable through the back hole of the rear case of the main body.
  - c. Fix the rear case by securing it with attached screws (2 places).

Wall

Seal the wiring hole of the remote controller cable with putty.

Trap

Screws

Rear case

Putty

Trap
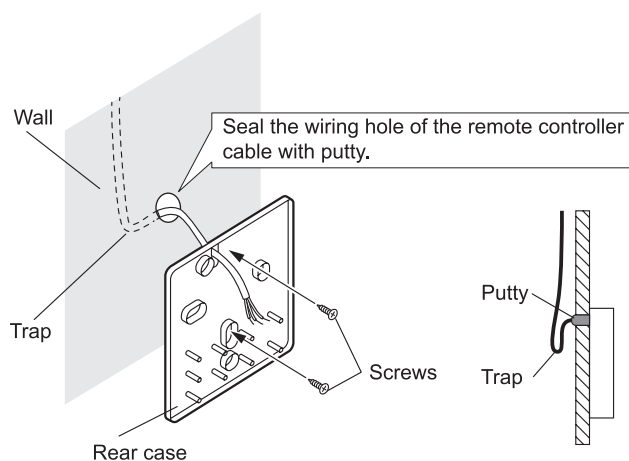
- **When routing the cable on-wall:**
  - a. Cut off the cable guide of the front case with using a knife or a nipper.
  - b. Deburr the edge of the cable guide.

Cut off

Front case

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

Remote controller cable

Epoxy putty
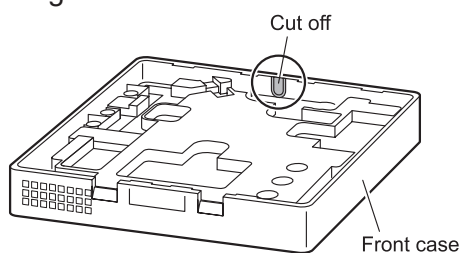
Screws

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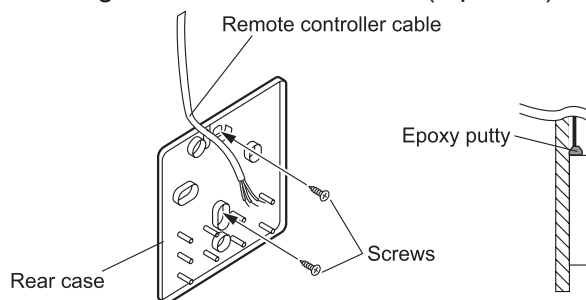
4. Connect the cable to the terminals on the front case.
Fix the cable together with the sheath with the cable tie. Cut off the excess cable tie.

Tightening torque	
Terminal screw	0.8 to 1.2 N•m

1. 12V (Red)
2. Signal (White)
3. COM (Black)

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

Cable tie
Remote controller cable (sheath)
Hole for cable tie

Good 2 mm

Prohibited
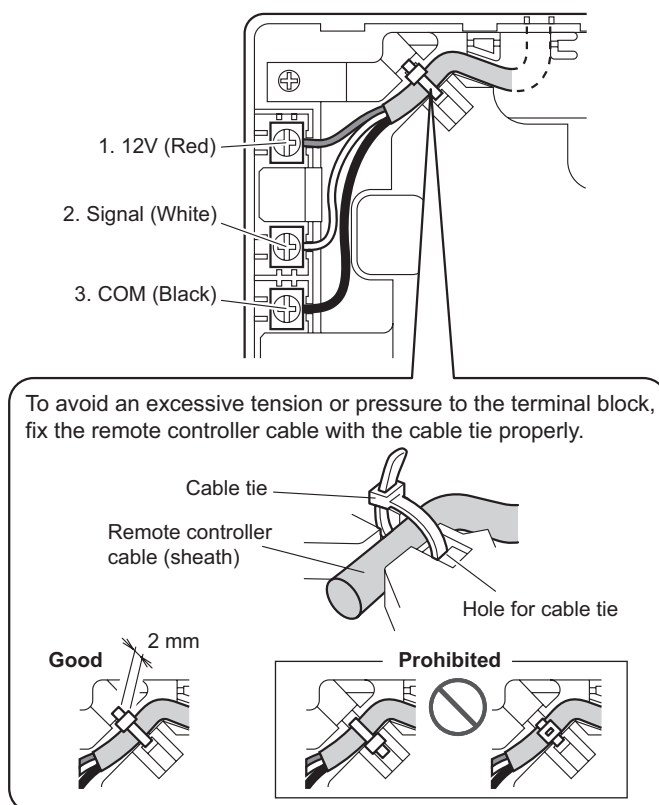
⚠ CAUTION

• 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.

Front case

Click!

Good   **Prohibited**   **Prohibited**   **Prohibited**
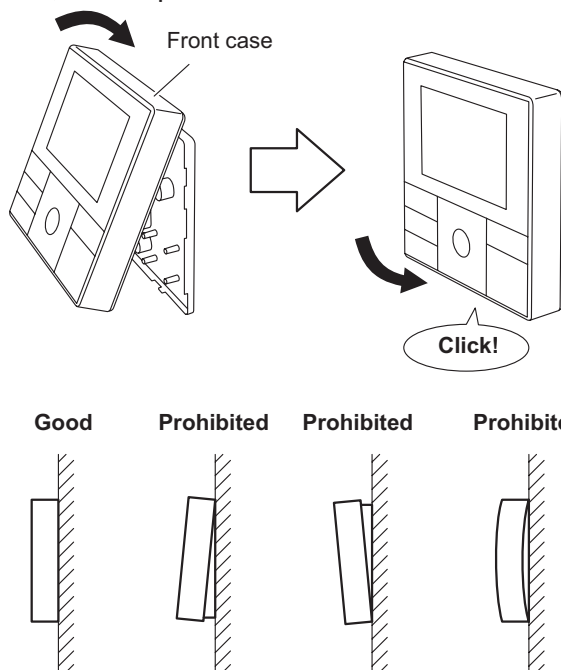
⚠ CAUTION
Insert the upper case firmly. If improperly attached, it will cause the upper case to fall off.

■ 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.

M4 screw

Remote controller cable

Remote controller terminal block

Outdoor unit or Power supply terminal block or Remote controller terminal block

Terminal block

PCB

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

13-8. Wired remote controller (UTY-RNRGZ*: Optional part)

■ Overview
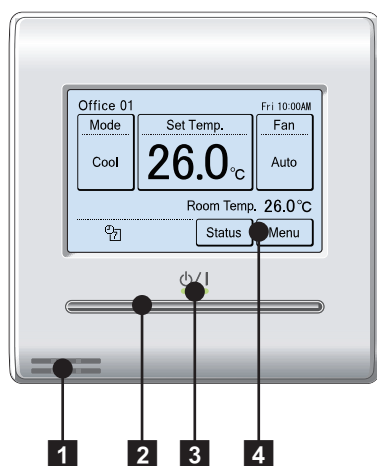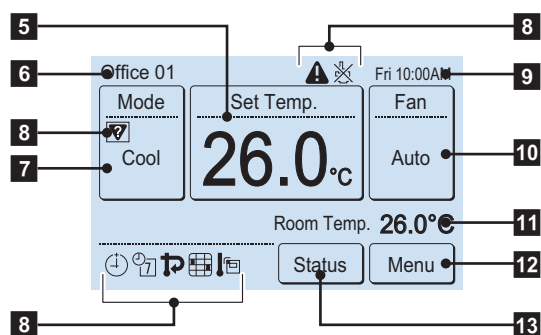
1 **Remote temperature sensor (inside)**

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.

Display panel

■ System diagram

1 remote controller:
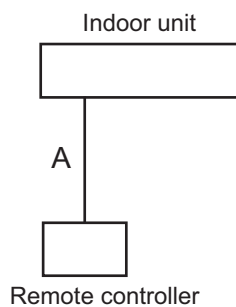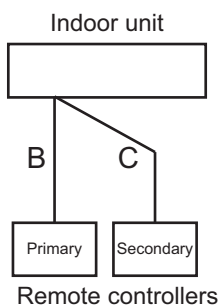
Indoor unit

A

Remote controller

2 remote controllers:

Indoor unit

B   C

Primary   Secondary

Remote controllers

A, B, C: Remote controller cable
A ≤ 500 m;B + C ≤ 500 m

■ Electrical wiring

1 remote controller:

Y1 Y2 Y3   Indoor unit

When there is
a functional
grounding

Y1
Y2

Remote controller

2 remote controllers:

Y1 Y2 Y3   Indoor unit

When there is
a functional
grounding

Y1
Y2

Remote controller

Y1
Y2

Remote controller

Group control:

Indoor units

Y1 Y2 Y3   Y1 Y2 Y3   Y1 Y2 Y3   Y1 Y2 Y3

When there is
a functional grounding

Y1
Y2
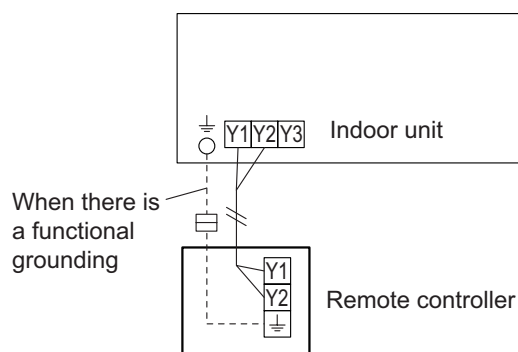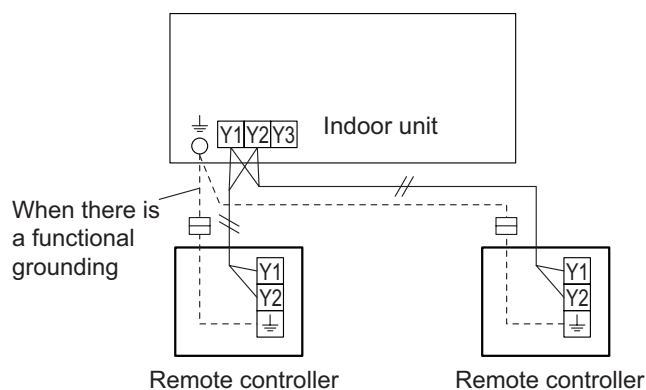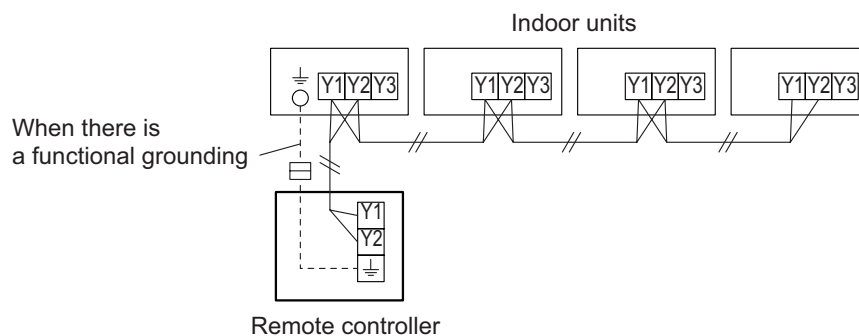
Remote controller

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]
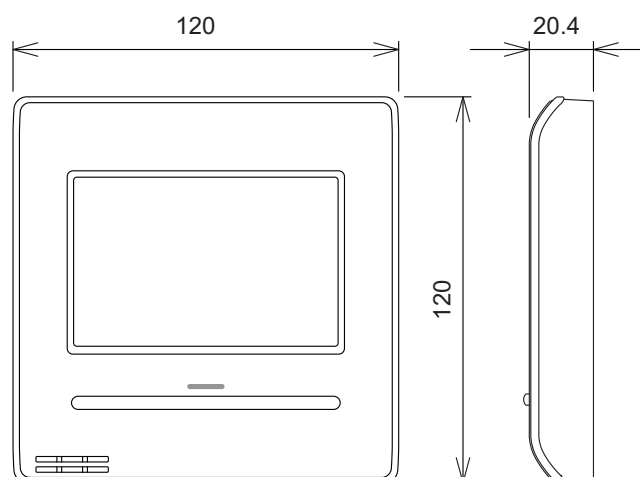
Model name	UTY-RNRGZ*

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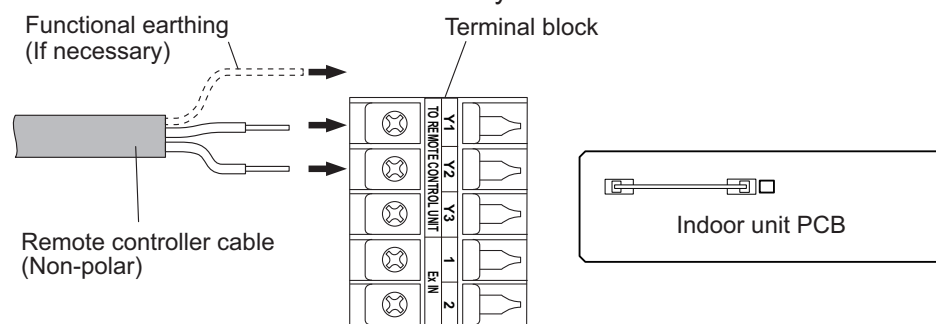
NOTES:
- Layout of terminal block and PCB is varies depending on the type of indoor unit.
- Operation may fail if it is connected to the outdoor unit or the terminal block for power supply.

13-9. Simple remote controller (UTY-RSNGM: Optional part)

■ Overview
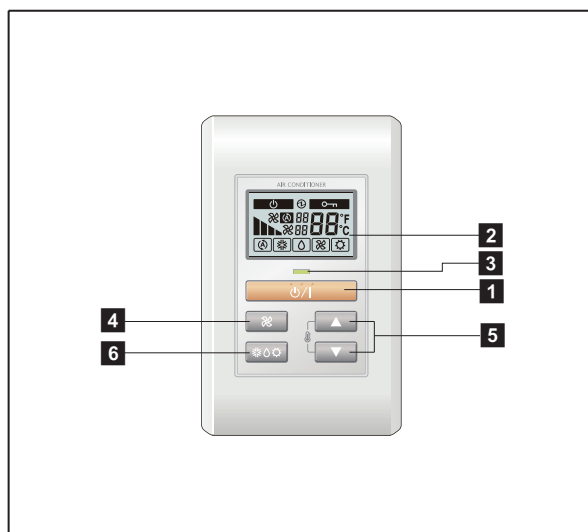
Display panel
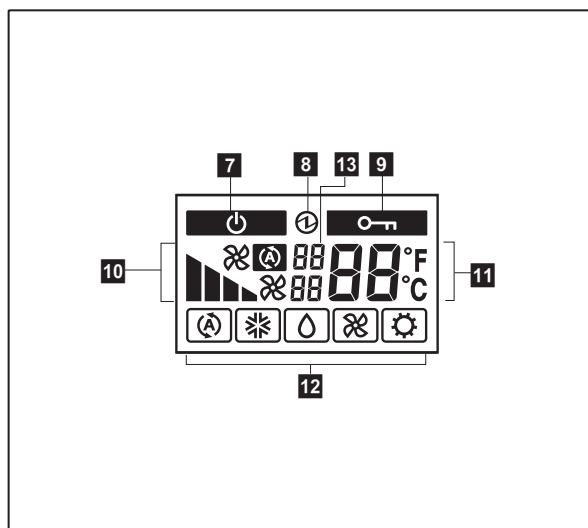
1 START/STOP button

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, HIGH, MED, LOW, and QUIET).

5 SET TEMP. button

Selects the setting temperature.

6 MODE button

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

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:
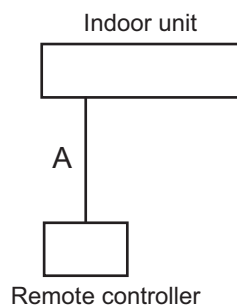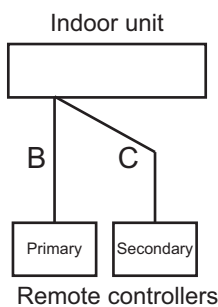
Indoor unit

A

Remote controller

2 remote controllers:

Indoor unit

B   C

Primary   Secondary

Remote controllers

A, B, C: Remote controller cable
A ≤ 500 m;B + C ≤ 500 m

■ Electrical wiring

1 remote controller:

Indoor unit

Remote controller

1　2　3

1　2　3

Remote controller

1 (Red): 12 V
2 (White): Signal
3 (Black): COM

2 remote controllers:

Indoor unit

Remote controller

1　2　3

1　2　3　　1　2　3

Primary　　Secondary

Remote controllers

1 (Red): 12 V
2 (White): Signal
3 (Black): COM

■ Specifications

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

Unit: mm

| Front View | | Side View | Rear View |

Size (H × W × D)	mm	120 × 75 × 14
Weight	g	90
Cable length (accessory)	m	10
Power	V	12
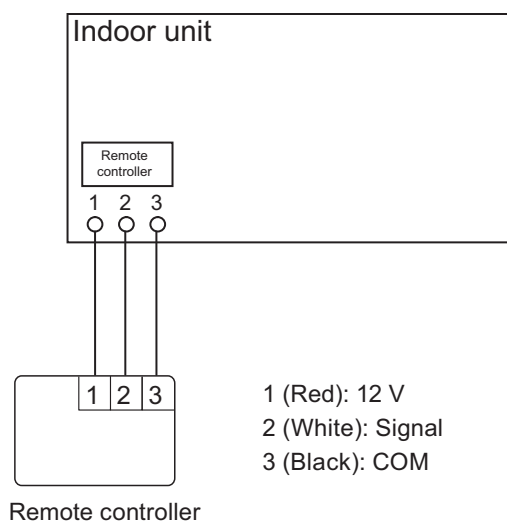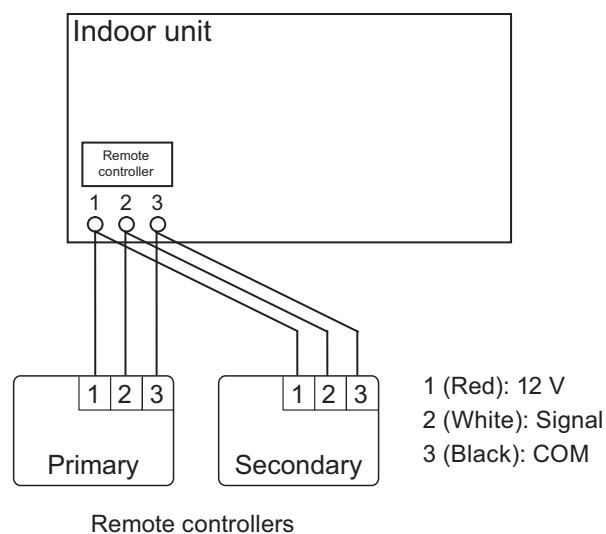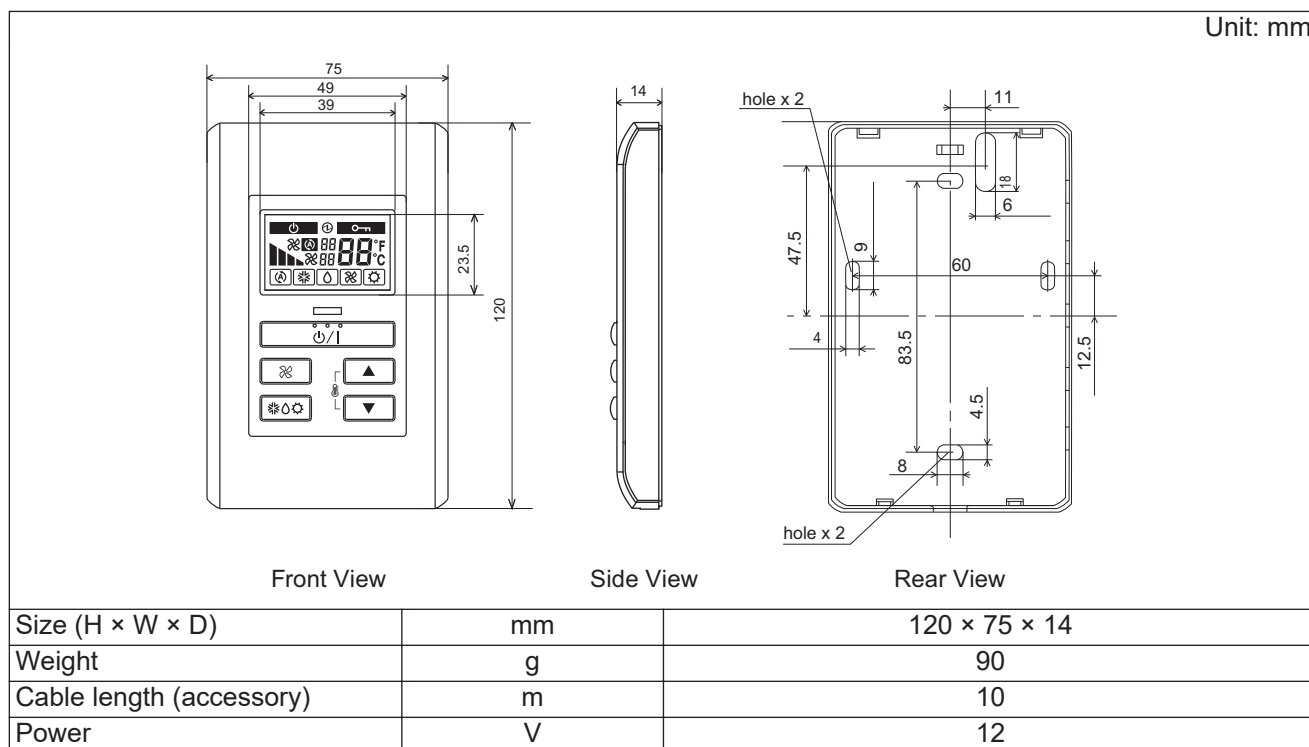
● Wiring specifications

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.

M4 screw
Remote controller cable
Remote controller terminal block
Outdoor unit or Power supply terminal block or Remote controller terminal block
PCB
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

13-10. Simple remote controller (UTY-RSRG and UTY-RHRG: Optional parts)

■ Overview
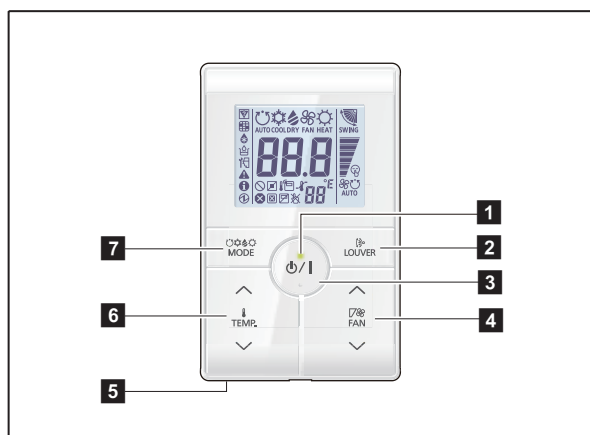
Display panel
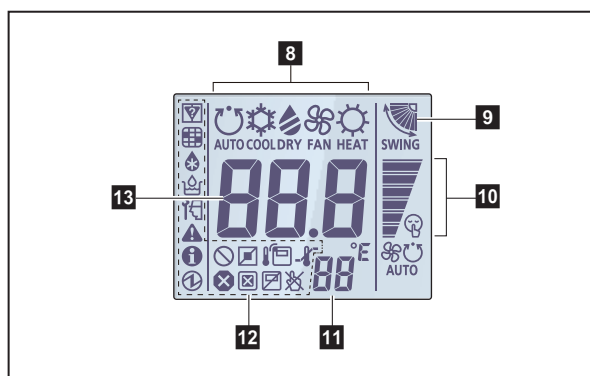
1: Available only for UTY-RSR.
*2: Not available for a heat pump model unless it is set up as an administrative indoor unit.
*3: Not available for a heat pump model.
*4: Not available for a cooling-only model.
*5: Set the function setting of the indoor unit accordingly.
*6: During address display mode.

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:
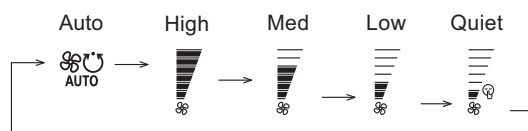
5 **Room temperature sensor (inside)**
Senses ambient temperature of unit.

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:

Indoor unit

A

Remote controller

2 remote controllers:

Indoor unit

B   C

Primary   Secondary

Remote controllers

A, B, C: Remote controller cable
A ≤ 500 m; B + C ≤ 500 m

■ Electrical wiring

1 remote controller:

Y1 Y2 Y3   Indoor unit

When there is
a functional
grounding

Y1
Y2   Remote controller

2 remote controllers:

Y1 Y2 Y3   Indoor unit

When there is
a functional
grounding

Y1
Y2   Remote controller

Y1
Y2   Remote controller

Group control:

Indoor units

Y1 Y2 Y3   Y1 Y2 Y3   Y1 Y2 Y3   Y1 Y2 Y3

When there is
a functional grounding

Y1
Y2

Remote controller

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

Front View	Side View	Rear View

Size (H × W × D)	mm	120 × 75 × 19
Weight	g	120
Cable length (accessory)	m	10
Power	V	12

● 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.
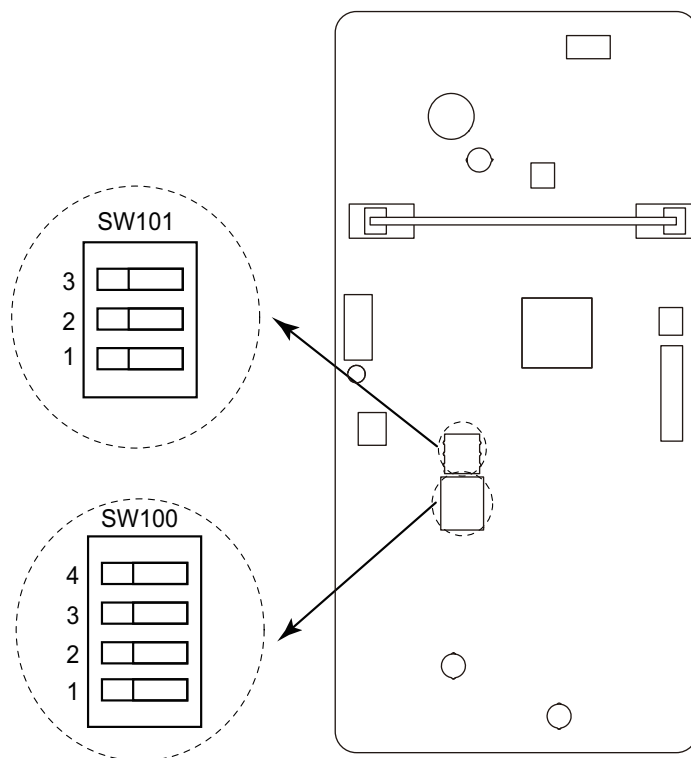
■ DIP switch setting

- **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	

```
                    00        01        02 ◄── Remote controller address
    Indoor unit   [     ]   [     ]   [     ]  • • •
                     |_____/_____/\
    Remote controller   [▣]
```
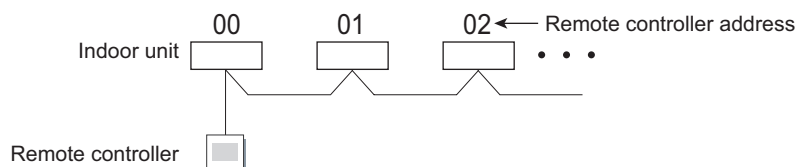
- **SW101-Switch 1: Drainage function setting**

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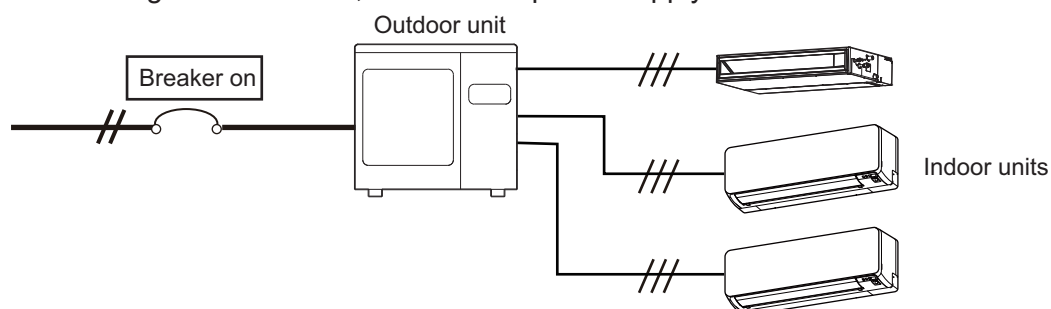
■ AR-REM4E (for Wall mounted type KGTB), AR-REW4E (for Wall mounted type KETA)

● Button name and function

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

Function number
Refer to Function details

Setting number
Refer to Function details

10°C HEAT button
Changes the display digits

POWERFUL button
Switches between the setting number (bottom line) and function number (top line)

SET TEMP. (∧ / ∨) button
The displayed number Increases and decreases

MODE button
Transmits function mode

START/STOP (⏻/|) button
Transmits function setting
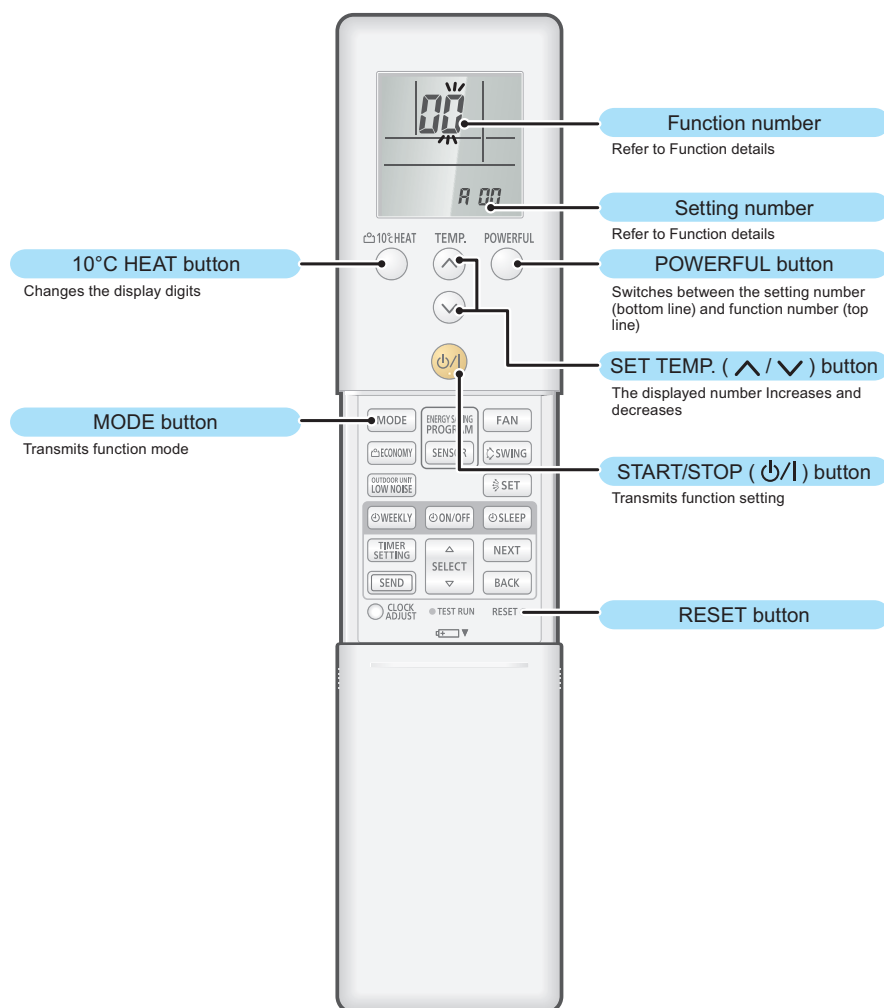
RESET button

NOTE: The number of buttons varies by the remote controller model.

● 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.∧ button, press the RESET button.

POWERFUL

TEMP. (   ) ∧

RESET

Function setting mode display

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

Change digit   Change 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 ∧ or the ∨ button. Each time the 10 °C HEAT button is pressed, it switches between the right digit and the left digit.

Change digit

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

- 171 -

7. Press the ⏻/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.

2 short beeps

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

For the function details, refer to Chapter 14-5. "Function details" on page 203.

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

RESET

● **Setting up each indoor unit**

Repeat step from 1. to 8. to set up each indoor unit. If the custom code is other than "A", 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 "Ⱥ" 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 " ∨ " button to change the custom code between $A \rightarrow b \rightarrow c \rightarrow d$.
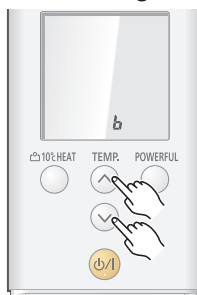
4. Press the MODE button again to return to the clock display. The custom code will be changed.

- 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.

■ 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 number
Refer to Function details.

Setting number
Refer to Function details.

10°C HEAT button
Changes the displayed digits.

POWERFUL button
Switches between the setting number (bottom line) and function number (top line).

TEMP. (∧ / ∨) button
The displayed number Increases and decreases.

MODE button
Transmits function mode.

Start/Stop (⏻/|) button
Fixes function setting.
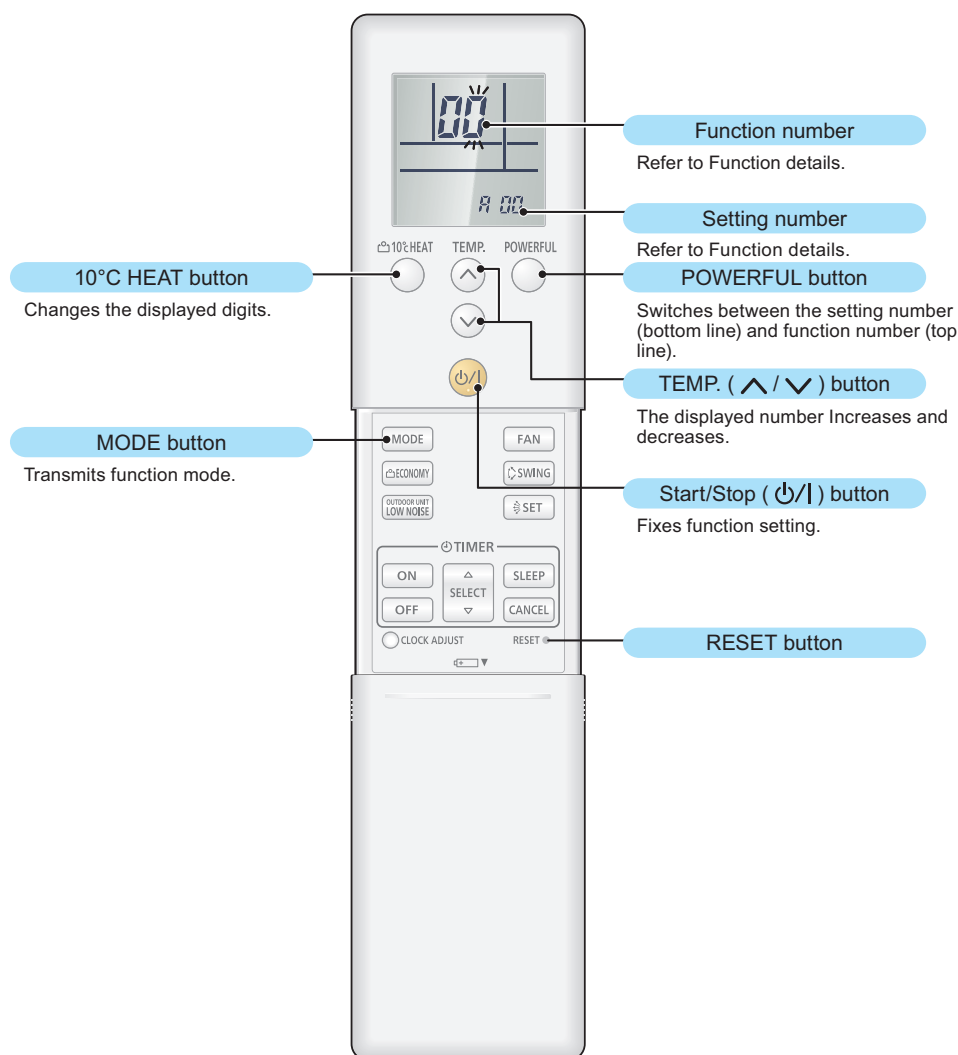
RESET button

● 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.

POWERFUL

SET TEMP. (∧)

RESET

Function setting mode display

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

Change digit

Change 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 ∧ or the ∨ button. Each time the 10°C HEAT button is pressed, it switches between the right digit and the left digit.

Change digit

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

2 short beeps

7.   Press the ⏻/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.

2 short beeps

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

For the function details, refer to Chapter 14-5. "Function details" on page 203.

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

RESET

● Setting up each indoor unit

Repeat step from 1. to 8. to set up each indoor unit. If the custom code is other than "🄰", 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 "Ⱥ" 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 $A \to b \to c \to d$.

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 ($A \to b \to c \to d$) until you find the code which operates the air conditioner.

■ UTY-LNTG (for Compact cassette type) or AR-REJ1E (included in UTY-LBTGM for Duct type)

● Button name and function

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

Function number
Refer to Function details.

Setting number
Refer to Function details.

10°C HEAT button
Changes the displayed digits.

ECONOMY button
Switches between the setting number (bottom line) and function number (top line).

TEMP. (∧ / ∨) button
The displayed number Increases and decreases.

MODE button
Transmits function mode.

Start/Stop (⏻/|) button
Fixes function setting.
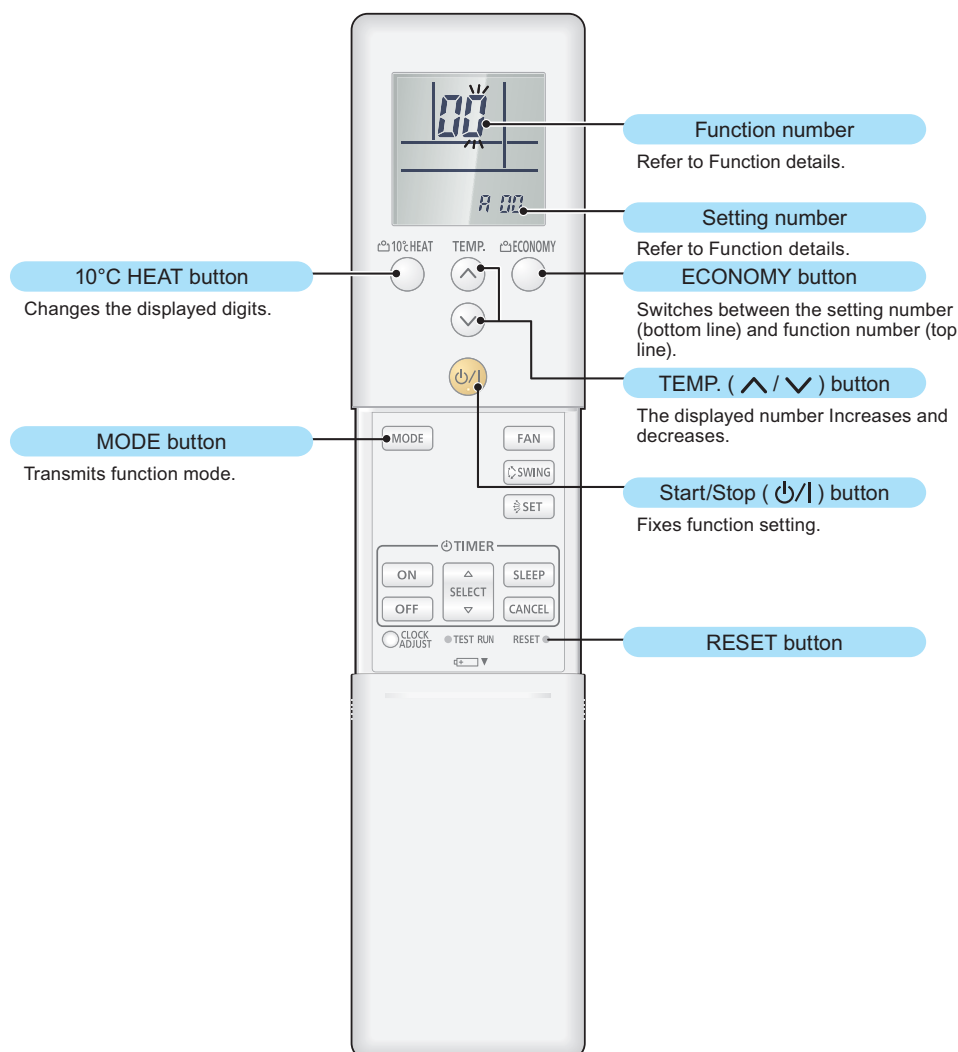
RESET button

● 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. ∧ buttons, press the RESET button.
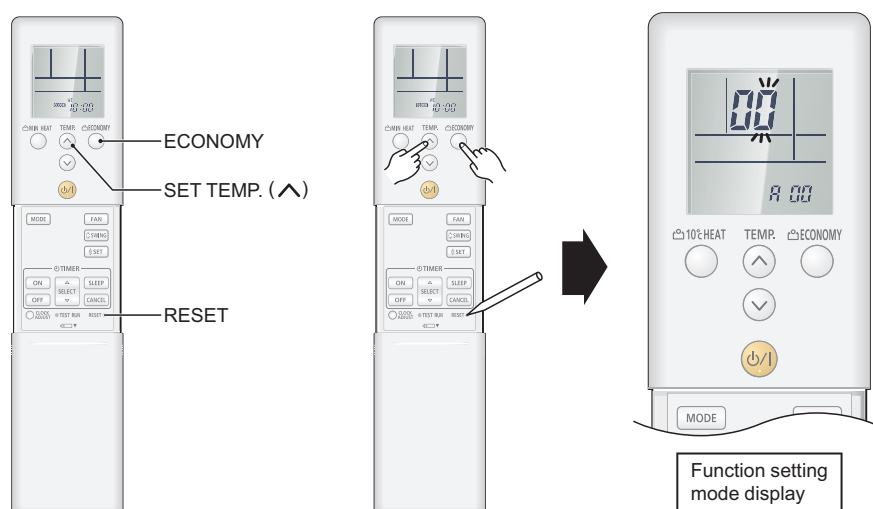
ECONOMY

SET TEMP. (∧)

RESET

Function setting mode display

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

3. Select the function number by pressing the ∧ or the ∨ 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 ∧ or the ∨ 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.

14-2. Indoor unit (setting by wireless remote controller)   14. Function settings
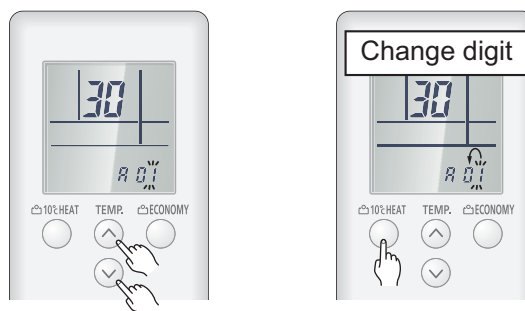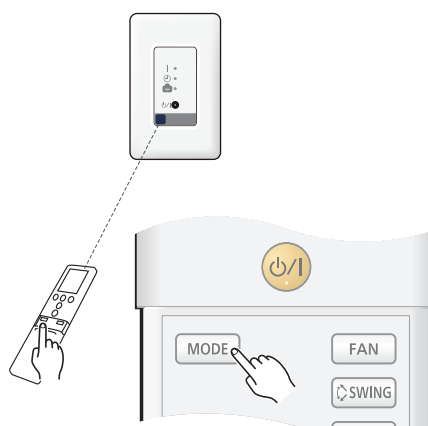
7.   Press the ⏻/I button once to transmit the function setting information. 1 short beep will be emitted from the indoor unit or the IR receiver when the signal is received correctly. If wrong code is set, no beep sound will be emitted.

1 short beep

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

For the function details, refer to Chapter 14-5. "Function details" on page 203.

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

RESET

● Setting up each indoor unit

Repeat step from 1. to 8. to set up each indoor unit. If the custom code is other than "A", 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 "A" 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 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.

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-RNNGM

● Button name and function

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

Function number
Refer to Function details

Remote controller address
It fixes to 00.

SET TIME "<" and ">" button
Switches the function number.

Setting number
Refer to Function details

SET TEMP. "V" and "Λ" button
Switches the setting number.

TIMER SET button
Transmits function setting
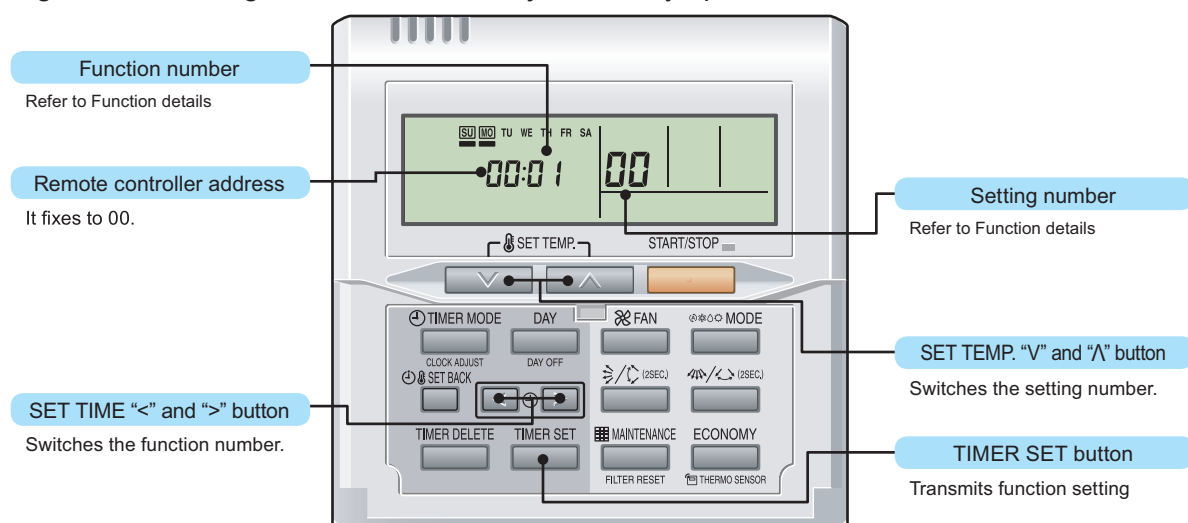
● Function setting procedure

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.
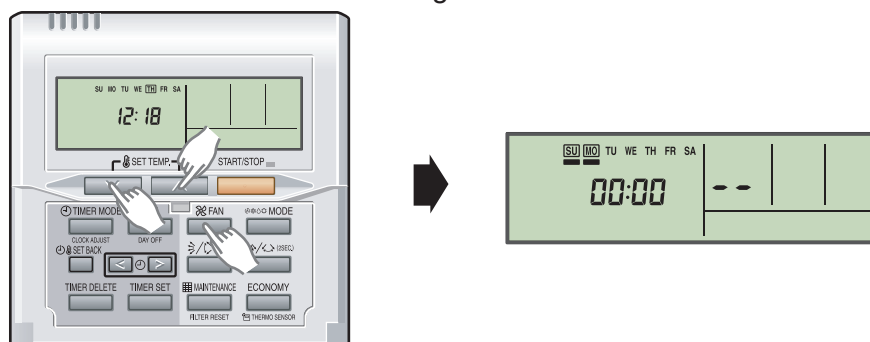
3. Select the function number by pressing the SET TIME < or the SET TIME > button.
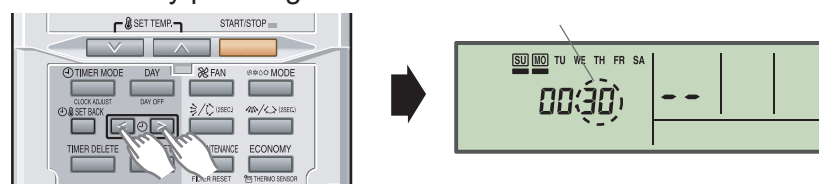
4. Select the setting number by pressing the SET TEMP. ∧ or the SET TEMP. ∨ button.
    The display flashes during setting number selection.
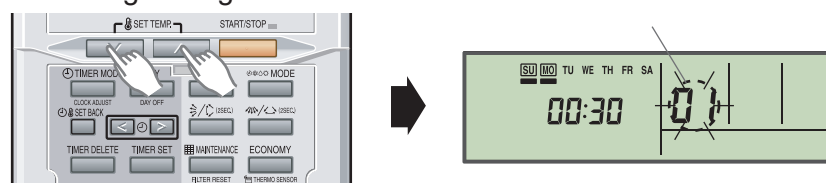
14-3. Indoor unit (setting by wired remote controller)   14. Function settings

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

Not good   Good

● Data is not set up on the indoor unit
  correctly (-- is displayed.)

● Set up the data again according to the
  procedure in step 5, 6 above.

Data is correctly set up on the indoor unit
(Flashing display changes to illuminated display.)
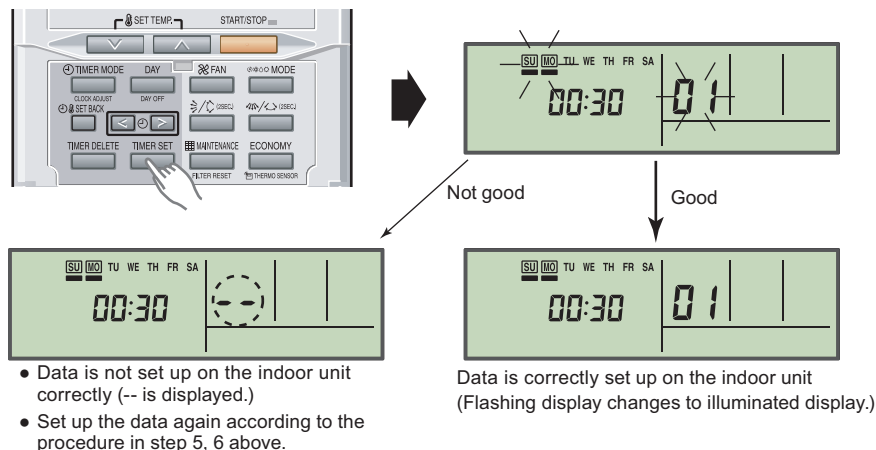
Function details: Refer to Chapter 14-5. "Function details" on page 203.

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

Normal mode display

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-RLRG

● 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.
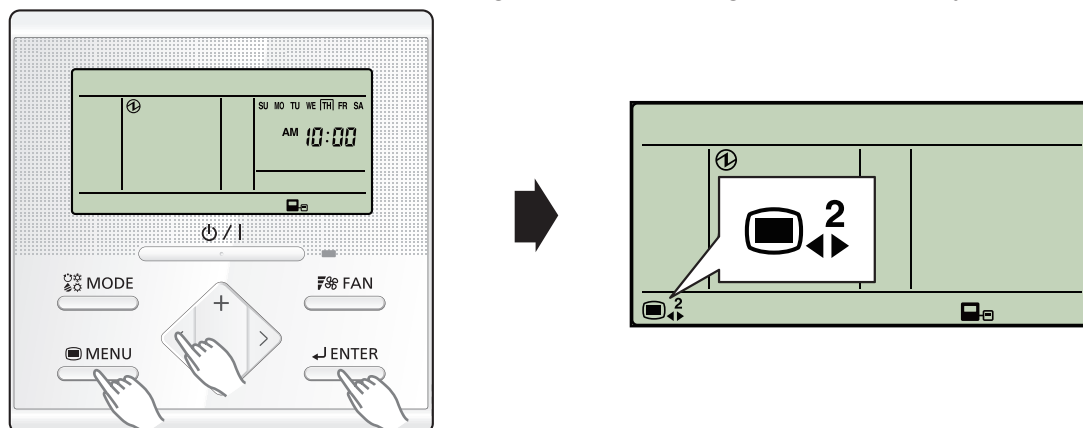
3. Select the "13" in Menu 2 settings. Then press the "ENTER" button.
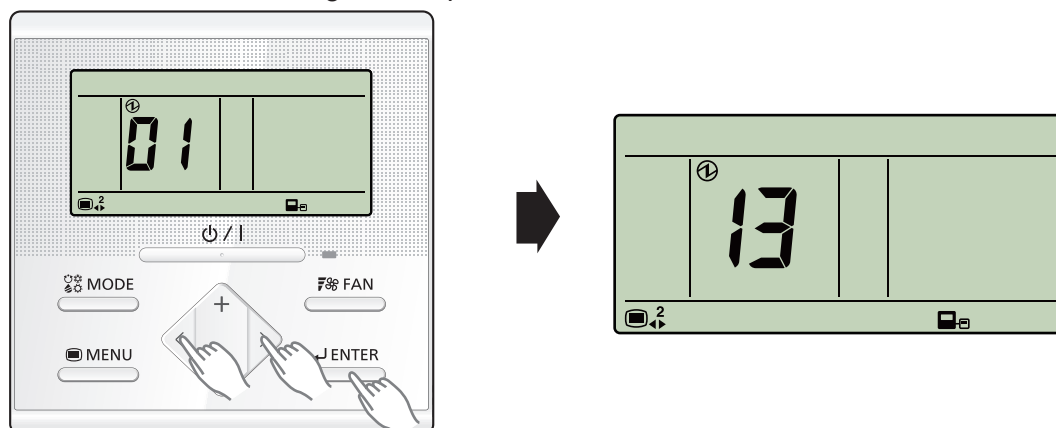
4. Pressing the "+" or "-" button, select a remote controller address (select the indoor unit you want to operate). Then press the "ENTER" button.

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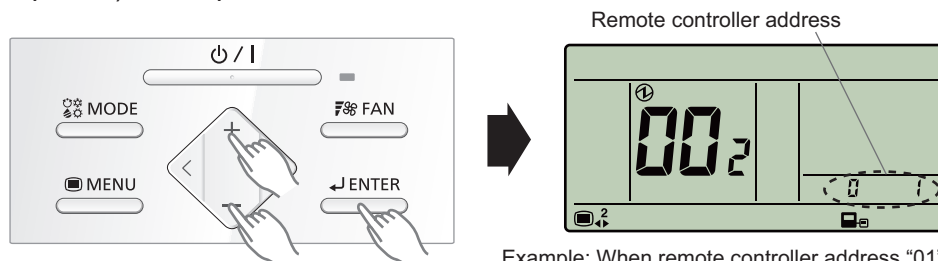
Example: When remote controller address "01" is selected.

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

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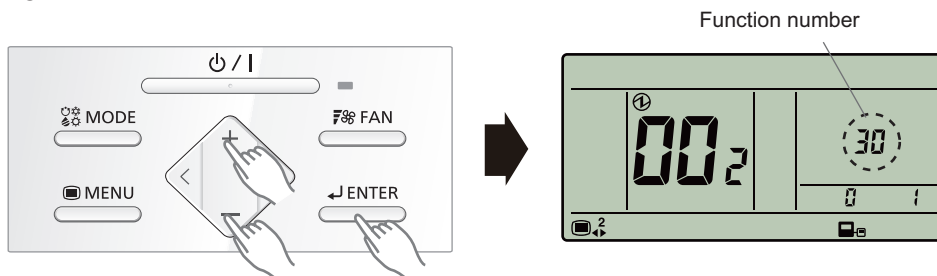
6. Pressing the "+" or "-" button, to select the setting number. Then press the "ENTER" button.

Setting number

Example: Function number 30
Setting number 01

Error

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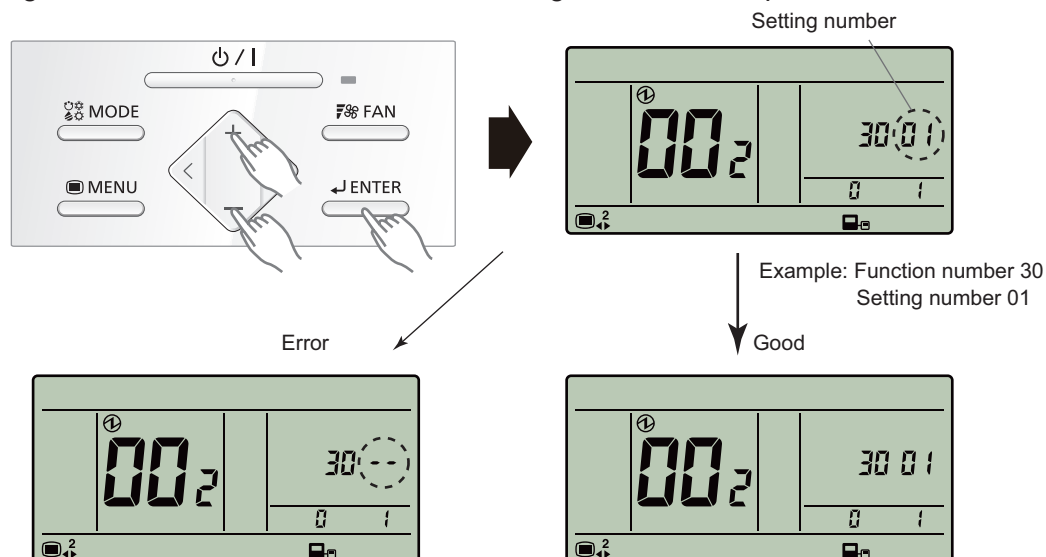
・When the data was not set up on the indoor unit
(" --" is displayed.)

・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-RVNGM

● 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.
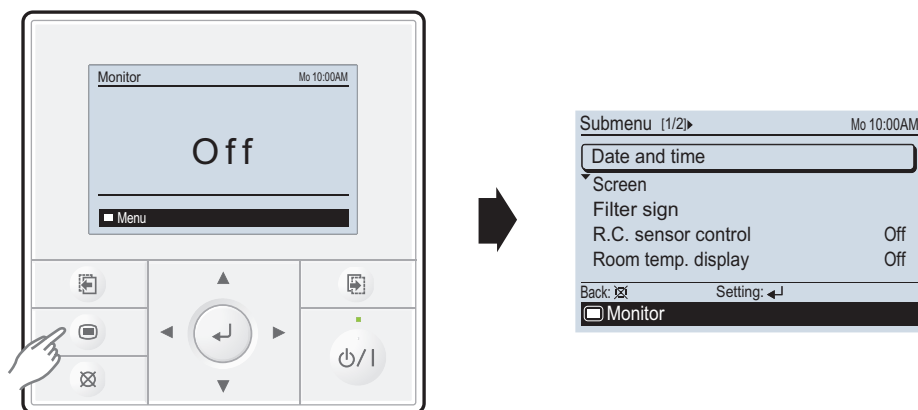
Press the [Screen switch button (Left)] and [Screen switch button (Right)] simultaneously for 5 seconds to switch to "Service" screen.
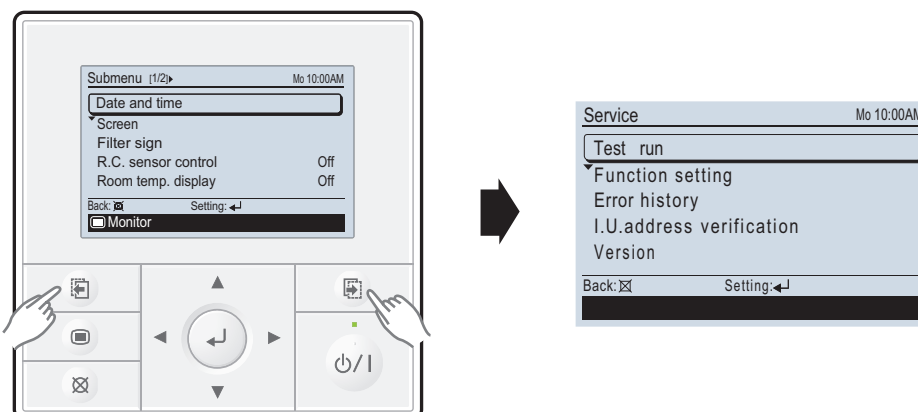
Select [Function setting] with pressing the [Cursor button (Up/Down)], and press the [Enter button].
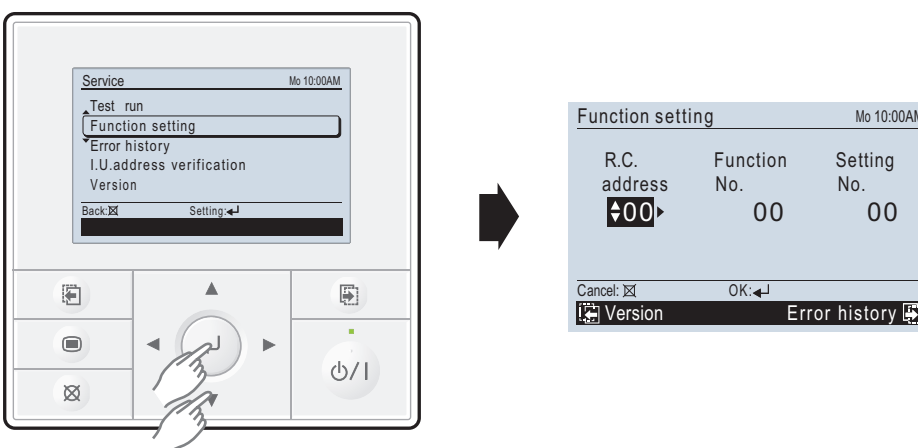
3. Select the [Function No.] with pressing the [Cursor button (Left/Right)], and select the Function No. to be set with pressing the [Cursor button (Up/Down)].
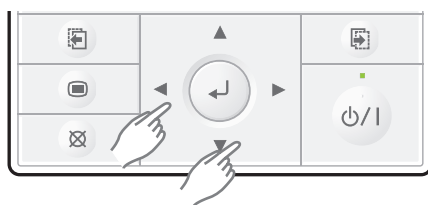
Function setting		Mo 10:00AM
R.C. address	Function No.	Setting No.
00	◄⬍30►	00

Cancel: ⊠   OK:↵
⬚ Version   Error history ⬚

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)].
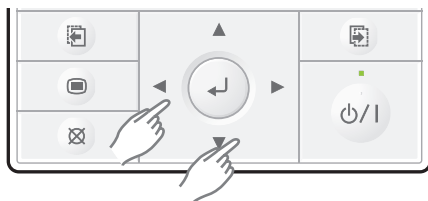
Function setting		Mo 10:00AM
R.C. address	Function No.	Setting No.
00	30	◄⬍01

Cancel: ⊠   OK:↵
⬚ Version   Error history ⬚

5. Pressing the [Enter button], confirm the setting.
    The data will be transferred to the indoor unit.
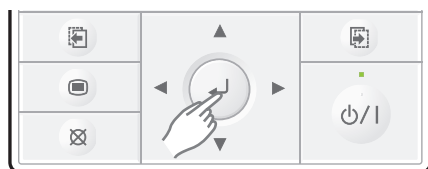
Function setting		Mo 10:00AM
R.C. address	Function No.	Setting No.
─00─	─30─	◄⬍01─

Cancel: ⊠   OK:↵
⬚ Version   Error history ⬚

Error

Good

Function setting		Mo 10:00AM
R.C. address	Function No.	Setting No.
00	30	◄⬍- -

Cancel: ⊠   OK:↵
⬚ Version   Error history ⬚

Function setting		Mo 10:00AM
R.C. address	Function No.	Setting No.
00	30	◄⬍01

Cancel: ⊠   OK:↵
⬚ Version   Error history ⬚

Function details: Refer to Chapter 14-5. "Function details" on page 203.

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-RNRGZ*

● 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. 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.

Maintenance	Page 2/3
Test Run	R.C. Address Setting
I.U. Address Setting	Function Setting
Back	Previous Page	Next Page

Function Setting	
Address	[002–01]
Function No.	[00]
Setting No.	[00]
Back	Setting

Address setting mode initial display
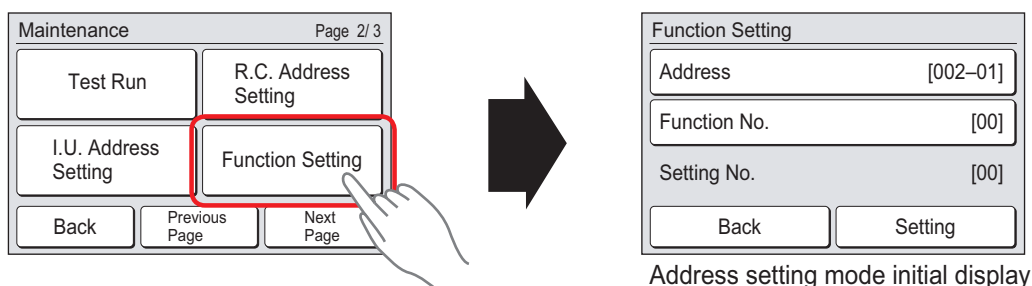
3. Touch the "Address" on the "Function Setting" screen.

Function Setting	
Address	[002–01]
Function No.	[00]
Setting No.	[00]
Back	Setting
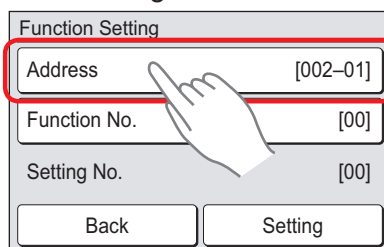
4. "Address" screen is displayed. Select the address of the indoor unit whose function number is be set by touching ▲ or ▼. When setting at all the indoor units, touch "All".

Address	
	All
002–01	▲
	▼
Cancel	OK
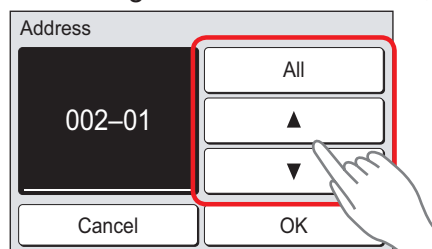
When the "OK" is touched, the display returns to the "Function Setting" screen.

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

Function Setting	
Address	[002–01]
Function No.	[00]
Setting No.	[00]
Back	Setting
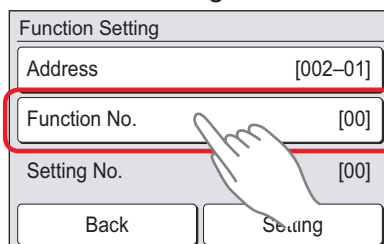
6. "Function No." screen is displayed. Set the "Function No." with ▲ or ▼.

Function No.

30

▲

▼

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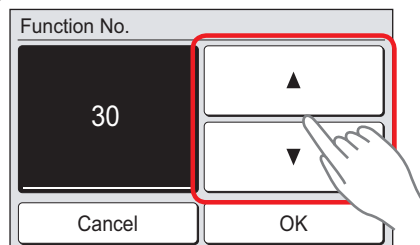
When the "OK" is touched, the display returns to the "Function Setting" screen.

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

Function Setting

Address   [002–01]

Function No.   [30]

Setting No.   [00] — *1

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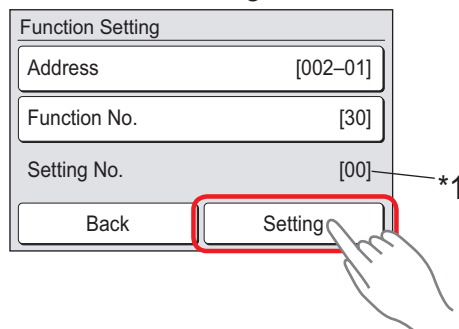
NOTE: *1: When "All" is chosen by "5", and different set up "Setting No." from two or more indoor units, "-" is displayed on "Setting No.".

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

Function Setting

Address   [002–01]
Function No.   [30]

Setting No.   ▲

01   ▼

Cancel   OK
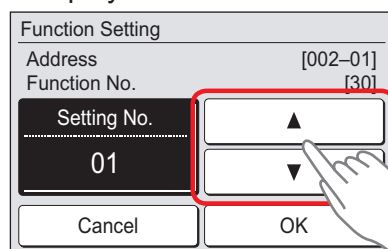
Example: Function number: 30, Setting Number: 01
When the "OK" is touched, the "Function Setting" verification screen is displayed.

9. Touch the "Yes" of the verification screen.

Function Setting

Function setting will be performed. OK?

| No | Yes |
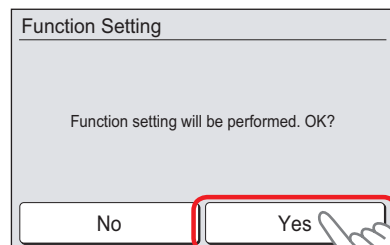
In case of "OK"   In case of "ERROR"
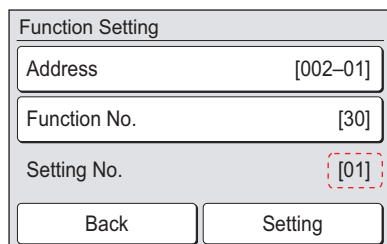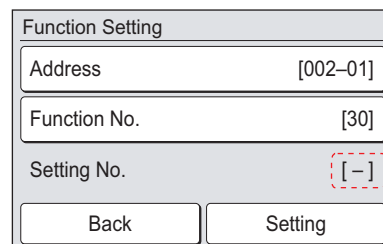
Function Setting

Address	[002–01]
Function No.	[30]
Setting No.	[01]
Back	Setting

When the data was normally set up
on the indoor unit

Function Setting

Address	[002–01]
Function No.	[30]
Setting No.	[–]
Back	Setting

When the data was not set up
on the indoor unit ([-] is displayed.),
set up the data again according
to the procedure in step 4 to 7 above

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

Function Setting

Address	[002–01]
Function No.	[30]
Setting No.	[01]
Back	Setting

● 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.

Outdoor unit

Breaker on

Indoor units

■ UTY-RSNGM

● Button name and function

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

Function number

Refer to Function details

Remote controller address

It fixes to 00.

FAN button

Each time this button is pressed, the fan setting changes among "Remote controller address," "Function number" and "Setting number."

Setting number

Refer to Function details

START/STOP button

Transmits function setting

SET TEMP. "▲" and "▼" button

Switches the various numbers.

● 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.

Function setting mode initial display

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.
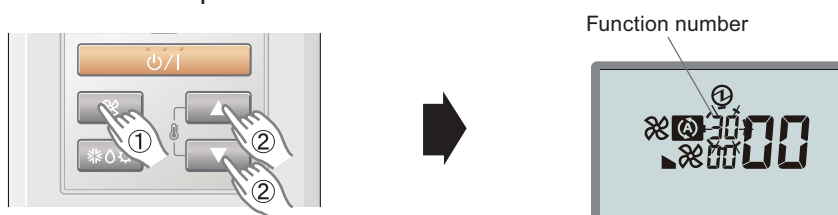
Function number

4. Select the setting number by pressing the SET TEMP. ▲ or SET TEMP. ▼ button.
    The setting number indicator flashes during setting number selection.
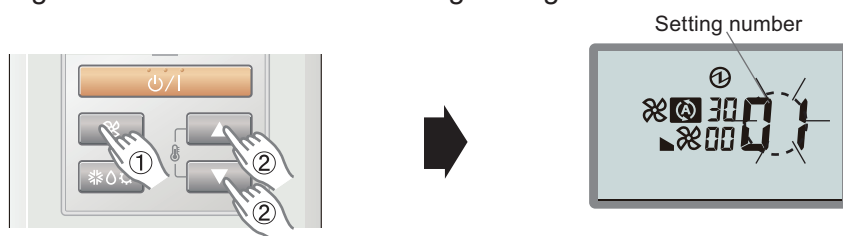
Setting number

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.

Not good

Good

- 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.
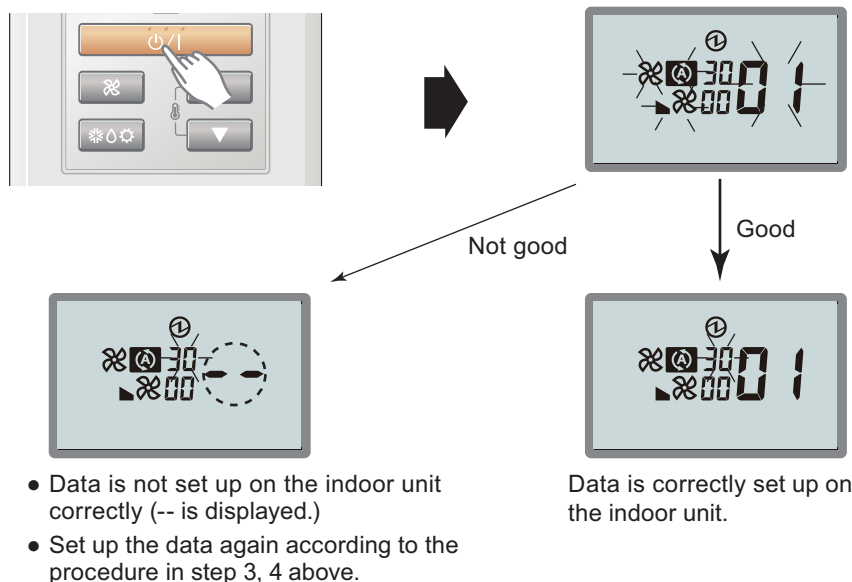
Function details: Refer to Chapter 14-5. "Function details" on page 203.

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

Normal mode display

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-RSRG/UTY-RHRG

● 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. ∧ button and FAN ∨ button simultaneously for at least 2 seconds.
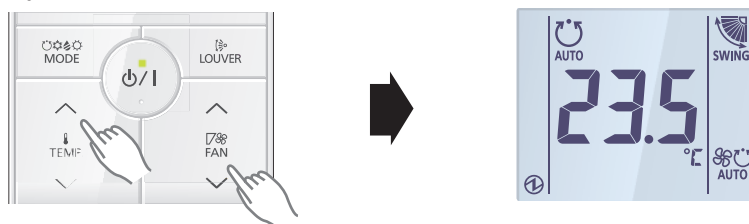
3.   The Menu 1 screen is displayed. Press and hold the SET TEMP. ∧ button at least 2 seconds. Setting mode selection screen is displayed.
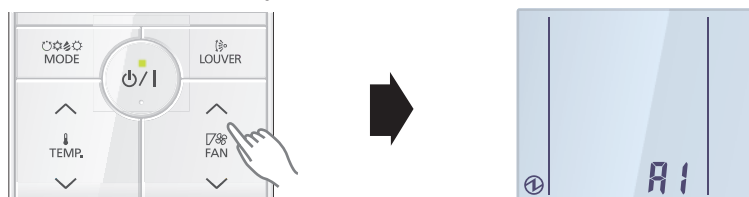
4.   Press the SET TEMP. ∧ or SET TEMP. ∨ button to select F1 (Menu 2-F1) setting mode or F2 (Menu 2-F2) setting mode.
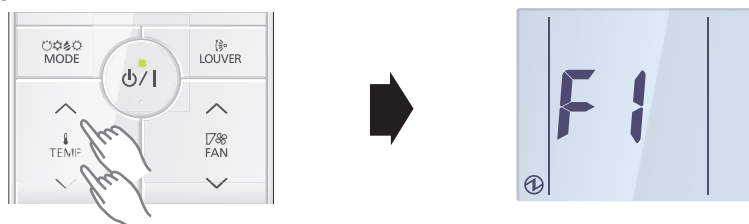
F1: Initial settings mode
F2: Maintenance settings mode

5.   Press the ⏻/| button. Setting item selection screen is displayed. (Item No. is displayed.)
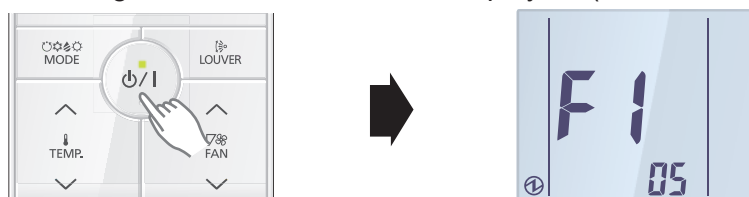
6.	Select the item number to be set with the SET TEMP. ∧ or SET TEMP. ∨ button, and press the ⏻/I button to switch to the setting screen.

F1
05 ◀▶ 06 ◀▶ 07···
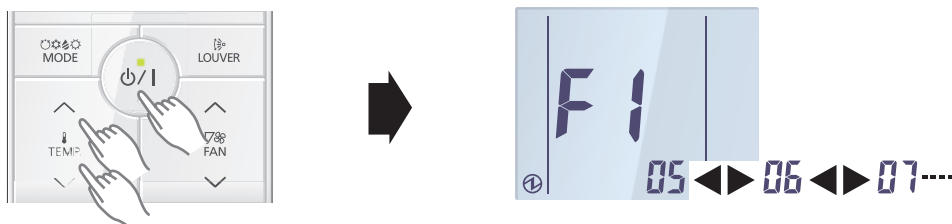
7.	Select the "13" in Menu 2-F1 settings. Then, press the ⏻/I button.

F1
13

8.	Select the 2-wire remote controller address with the SET TEMP. ∧ or SET TEMP. ∨ button. Then press the ⏻/I button.

– – –
– –

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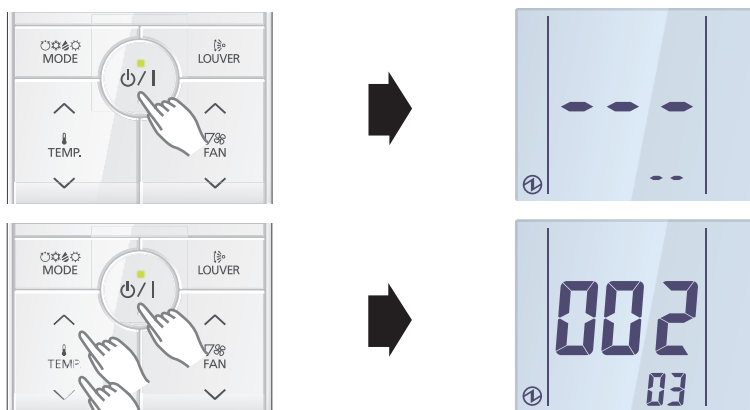
Select the 2-wire remote controller address (Ex. Select the 002-03)

9.	Set the function number with the SET TEMP. ∧ or SET TEMP. ∨ button. Then press the ⏻/I button.

00

Function number
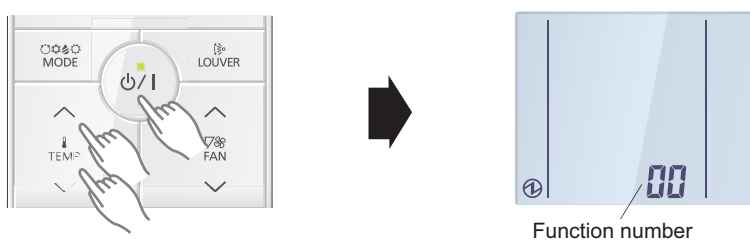
10.	Set the setting number with the SET TEMP. ∧ or SET TEMP. ∨ button. Then press the ⏻/I button.

– –
05

Setting number

14-4. Indoor unit (setting by simple remote controller)   14. Function settings
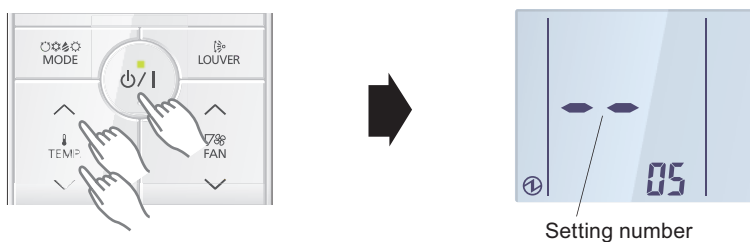
11. Setting results are displayed after data transmission.
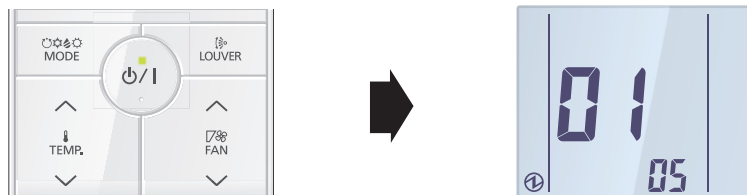
12. Press the ⏻/I button to return to the 2-wire remote controller address selection screen of step 9. If setting has been completed, press the FAN ∨ button to return to the Menu 2-F1 item selection screen.

● 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			Floor
						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 13.

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 (for Mini duct type and Slim duct type)

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 (For other than Floor type)

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	More cooling Less heating	
		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	Less cooling More heating	
		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		

7) Room temperature control for wired remote controller sensor (For other than Floor type)

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	More cooling Less heating	
		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	Less cooling More heating	
		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 KM and KE models in Wall mounted type)

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-RNNGM)

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

Front case (back side)

OFF   ON

DIP switch 2   DIP switch 1
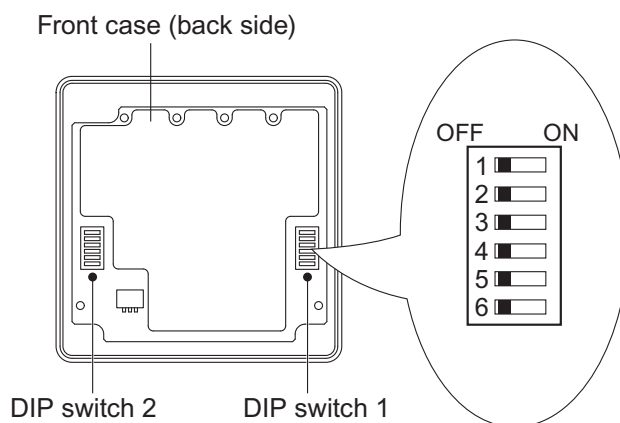
■ DIP switch 1 setting

● 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	

Indoor unit

Remote controller cable

1 2 3

Primary unit   Secondary unit

Remote controller
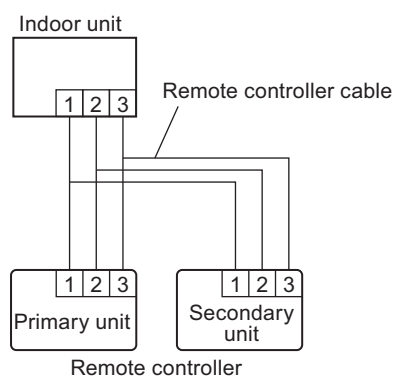
● SW4: Switching temperature unit °F / °C

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-RVNGM)

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

■ Switch location
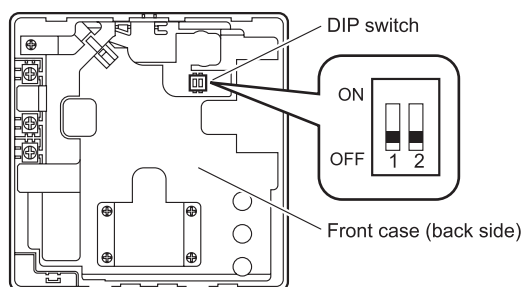
DIP switch

ON

OFF   1   2

Front case (back side)

■ 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	

Indoor unit

Remote controller cable

Primary unit

Secondary unit
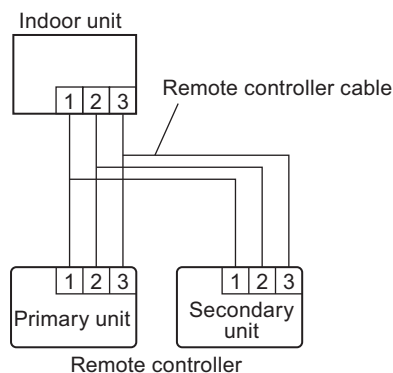
Remote controller

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

DIP switch	Memory backup setting
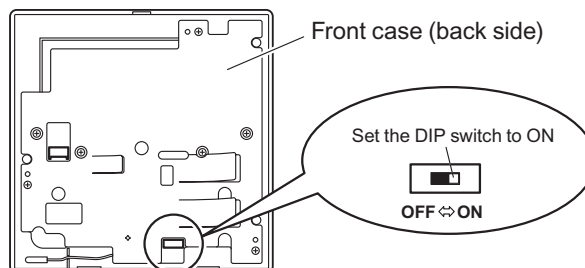
■ Switch location

Front case (back side)

Set the DIP switch to ON

OFF ⇔ ON

■ 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-RNRGZ*)

DIP switch	Memory backup setting
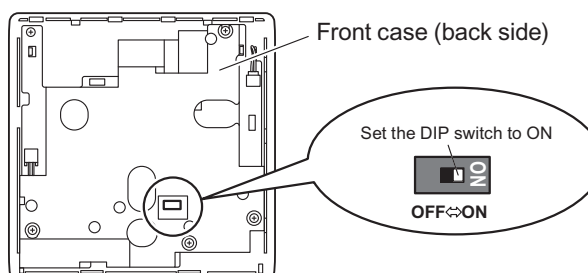
■ Switch location

Front case (back side)

Set the DIP switch to ON

OFF ⇔ ON

■ 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-RSNGM)

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

■ Switch location
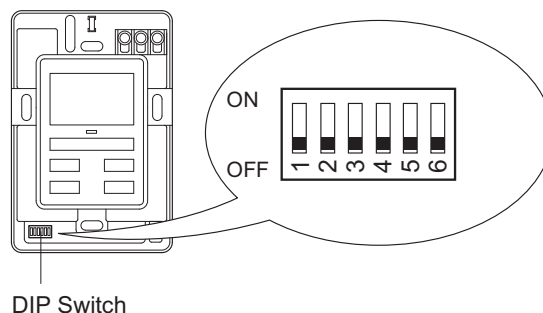
DIP Switch

■ 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	
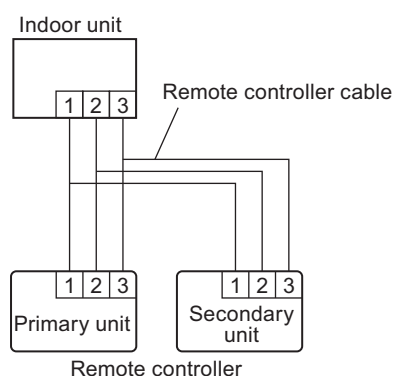
● SW3: Switching temperature unit °F / °C
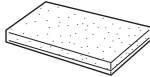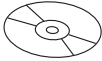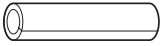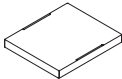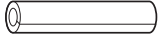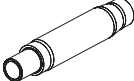
Displayed temperature unit can be switched between Fahrenheit (°F) and Celsius (°C).

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

15. Accessories
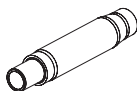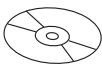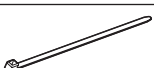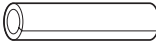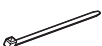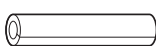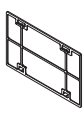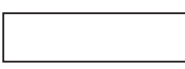
15-1. Compact cassette type

■ 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 cramper		1
Drain hose		1			
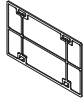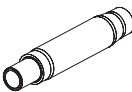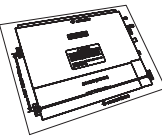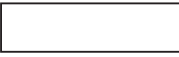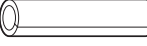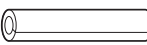
15-2. Mini duct type

■ 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
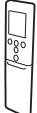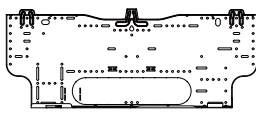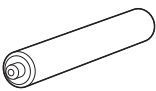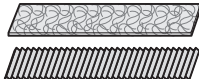
15-3. Slim duct type

■ Models: ARXG07KLLAP, ARXG09KLLAP, ARXG12KLLAP, and ARXG14KLLAP
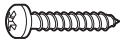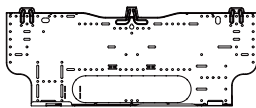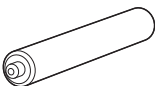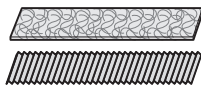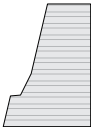
Part name	Exterior	Q'ty	Part name	Exterior	Q'ty
Operating manual		1	Filter (small)		2
Operating manual (CD-ROM)		1	Drain hose		1
Installation manual		1	Hose band		1
Installation template		1	Drain hose insulation B		1
Washer		8	Insulation (for electrical wiring)		2
Cable tie (large)		4	Coupler heat insulation (large)		1
Cable tie (medium)		3	Coupler heat insulation (small)		1

15-4. Wall mounted type

■ Models: ASHG07—14KGTB, ASHG07—14KMTB, and ASHG07—14KMCC
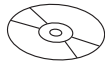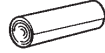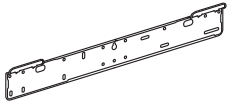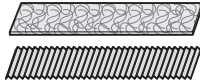
Part name	Exterior	Q'ty	Part name	Exterior	Q'ty
Operating manual		1	Cloth tape		1
Operating manual (CD-ROM)		1	Tapping screw (large)		5
Installation manual		1	Tapping screw (small)		2
Remote controller		1	Wall hook bracket		1
Battery		2	Filter holder		2
Remote controller holder		1	Air cleaning filters		1

■ Models: ASHG07KETA, ASHG09KETA, ASHG12KETA, ASHG14KETA, ASHG07KETA-B, ASHG09KETA-B, ASHG12KETA-B, and ASHG14KETA-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
Remote controller holder		1	Air cleaning filters		1
Template (for pipe cover cutting)		1			

15-5. Floor type

■ Models: AGHG09KVCA, AGHG12KVCA, and AGHG14KVCA

Part name	Exterior	Q'ty	Part name	Exterior	Q'ty
Operating manual		1	Operating manual (CD-ROM)		1
Installation manual		1	Cloth tape		1
Wall hook bracket		1	Tapping screws (large)		9
Remote controller		1	Tapping screws (small)		2
Battery		2	Air cleaning filters		1
Remote controller holder		1			

16. Optional parts

16-1. Controllers

■ Lineup

Indoor unit type		Type								
		Wireless remote controller					Wired remote controller			
		AR-REM4E	AR-REM7E	AR-REB1E	AR-REW4E	UTY-LNTG	UTY-RNRGZ*	UTY-RVNGM	UTY-RLRG	UTY-RNNGM
Compact cassette		—	—	—	—	○	○	○	○	○
Mini duct		—	—	—	—	—	○	○	○	○
Slim duct		—	—	—	—	—	○	○	○	○
Wall mounted	KG	●	—	—	—	—	○*2	—	○*2	—
	KM	—	—	●	—	—	—	○*1	—	○*1
	KE	—	—	—	●	—	○*2	—	○*2	—
Floor		—	●	—	—	—	○*3	—	○*3	—

Indoor unit type		Type			
		IR receiver kit with Wireless remote controller	Simple remote controller		
		UTY-LBTGM	UTY-RSNGM	UTY-RSRG	UTY-RHRG
Compact cassette		—	○	○	○
Mini duct		○	○	○	○
Slim duct		○	○	○	○
Wall mounted	KG	—	—	○*2	○*2
	KM	—	○*1	—	—
	KE	—	—	○*2	○*2
Floor		—	—	○*3	○*3

●: 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.
• *3: Optional Communication kit (UTY-TWRXZ3) is necessary for the installation.

■ Parts

Wireless remote controller				
AR-REW4E	AR-REM7E	AR-REM4E	AR-REB1E	UTY-LNTG
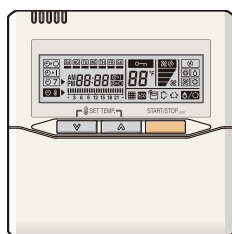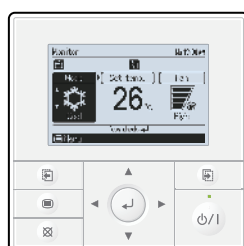
Wired remote controller			
UTY-RNNGM	UTY-RVNGM	UTY-RLRG	UTY-RNRGZ*
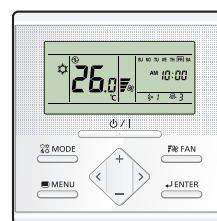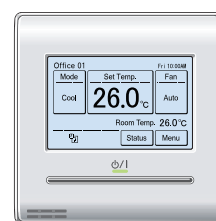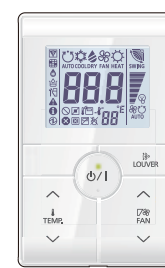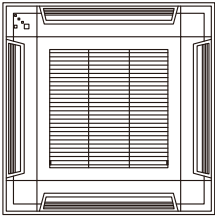
IR receiver kit with Wireless remote controller	Simple remote controller		
UTY-LBTGM	UTY-RSNGM	UTY-RSRG	UTY-RHRG

16-2. Cassette grille

■ Lineup

Indoor unit type	Model
Compact cassette	UTG-UFGF-W

■ Part

Cassette grille
UTG-UFGF-W

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	Auto louver grille kit
		UTR-YDZB	UTZ-KXGC	UTZ-VXAA	UTY-XCSXZ2	UTY-TERX	UTD-GXTA-W
Compact cassette		○	○	○	—	○	—
Mini duct		—	—	—	—	○	○
Slim duct		—	—	—	—	○	○
Wall mounted	KG	—	—	—	○	○*2	—
	KM	—	—	—	—	○*1	—
	KE	—	—	—	○	○*2	—
Floor		—	—	—	—	○*3	—

Indoor unit type		Type						
		External connect kit			KNX converter	Network converter		MODBUS converter
		UTY-XWZX	UTY-XWZXZ5	UTY-XWZXZG	UTY-VKSX	UTY-VTGX	UTY-VTGXV	UTY-VMSX
Compact cassette		—	—	○	○	○	○	○
Mini duct		—	—	○	○	○	○	○
Slim duct		—	—	○	○	○	○	○
Wall mounted	KG	○	—	—	○	○*2	○*2	○
	KM	—	○	—	○	○*1	○*1	○
	KE	—	○	—	○	○*2	○*2	○
Floor		—	○	—	○	○*3	○*3	○
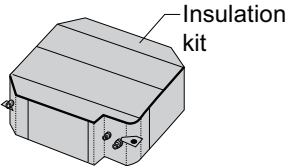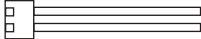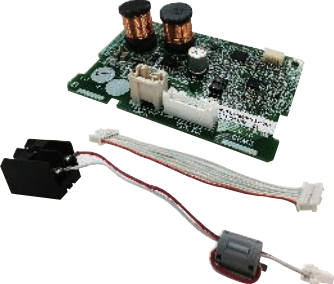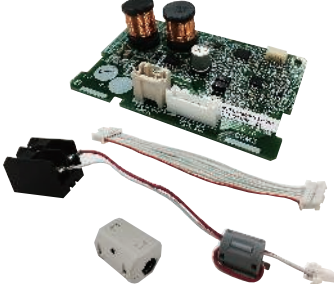
Indoor unit type		Type							
		Remote sensor unit	Communication kit			Wireless LAN adapter*4			Half concealed kit
		UTY-XSZX	UTY-TWBXF2	UTY-TWRXZ2	UTY-TWRXZ3	UTY-TFSXW1	UTY-TFSXF2	UTY-TFSXZ1	UTR-STA
Compact cassette		—	—	—	—	—	—	○	—
Mini duct		○	—	—	—	—	—	○	—
Slim duct		○	—	—	—	—	—	○	—
Wall mounted	KG	—	—	○	—	○	—	—	—
	KM	—	○	—	—	○	—	—	—
	KE	—	—	○	—	—	○	—	—
Floor		—	—	—	○	—	—	○	○
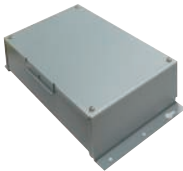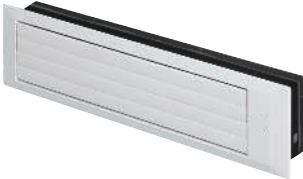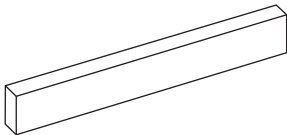
●: Accessory, ○: Optional, —: Not applicable

- *1: Optional Communication kit (UTY-TWBXF2) is necessary for the installation.
- *2: Optional Communication kit (UTY-TWRXZ2) is necessary for the installation.
- *3: Optional Communication kit (UTY-TWRXZ3) is necessary for the installation.
- *4: 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 is not allowed.

■ Parts

Air outlet shutter plate Model: UTR-YDZB	Insulation kit for high humidity Model: UTZ-KXGC
	Insulation kit

Fresh air intake kit Model: UTZ-VXAA	External connect kit Model: UTY-XWZXZG

External connect kit Model: UTY-XWZX	External connect kit Model: UTY-XWZXZ5
(x 1)　　(x 1)	(x 1)　　(x 2)

External input and output PCB Model: UTY-XCSXZ2	Communication kit Model: UTY-TWRXZ2

Communication kit Model: UTY-TWRXZ3	Communication kit Model: UTY-TWBXF2

MODBUS converter Model: UTY-VMSX	

Network converter Model: UTY-VTGX	Network converter Model: UTY-VTGXV

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

Wireless LAN adapter Models: UTY-TFSXZ1	Wireless LAN adapter Models: UTY-TFSXW1

Wireless LAN adapter Models: UTY-TFSXF2	Half concealed kit Models: UTR-STA

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 13.
- 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.	1. Switch the setting to the high ceiling mode. 2. Install a circulator. 3. 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.	1. Adjust the louver fins or take other measures matched to the site. 2. 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.	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.	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.	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. • 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.	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**
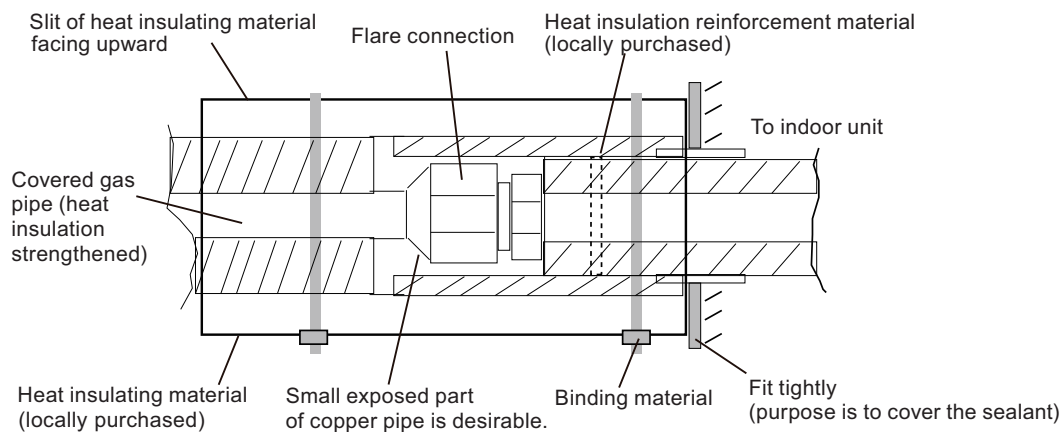
Figure 17-2 **Work method when reinforcing the heat insulation of on-site piping**

Part 2. OUTDOOR UNIT (2 UNITS TYPE)

MULTI-SPLIT TYPE:

AOHG14KBTA2
AOHG18KBTA2

1. Specifications

Type				Inverter heat pump	
Model name				AOHG14KBTA2	AOHG18KBTA2
Power source				230 V 50 Hz	
Available voltage range				198—264V	
Standard combination of indoor unit				Wall mounted ASHG07KGTB ×2	Wall mounted ASHG09KGTB ×2
Capacity	Cooling	Rated	kW	4.0	5.0
			Btu/h	13,600	17,100
		Min.—Max.	kW	1.4—4.6	1.7—5.8
			Btu/h	4,700—15,700	5,800—19,800
	Heating	Rated	kW	4.4	5.6
			Btu/h	15,000	19,100
		Min.—Max.	kW	1.1—5.5	1.8—6.6
			Btu/h	3,700—18,800	6,100—22,500
Input power	Cooling	Rated	kW	0.97	1.24
		Max.		1.20	1.55
	Heating	Rated		0.95	1.22
		Max.		1.65	1.80
Current	Cooling	Rated	A	4.7	5.6
	Heating	Rated		4.7	5.6
EER	Cooling		kW/kW	4.12	4.03
COP	Heating			4.63	4.59
Starting current			A	4.7	5.6
Maximum operating current *1			A	10.9	11.6
Fan	Type × Q'ty			Propeller × 1	
	Airflow rate	Cooling	m³/h	1,670	1,960
		Heating		1,670	2,020
	Motor output		W	23	49
Sound pressure level *2	Cooling		dB (A)	47	47
	Heating			49	50
Heat exchanger	Dimension (H x W x D)		mm	504 × 881 × 18.19 504 × 851 × 18.19	588 × 881 × 18.19 588 × 851 × 18.19
	Fin pitch			1.3	
	Rows × Stages			Main1: 1 × 24 Main2: 1 × 24	
	Pipe type (Material)			Copper tube	
	Fin type (Material)			Aluminum	
Compressor	Type × Quantity			DC rotary × 1	DC twin rotary × 2
	Motor output		W	900	900
Refrigerant	Type			R32 (675)	
	Charge		g	900	1,020
Refrigerant oil	Type			RB68A	FW68S
	Amount		cm³	340	350
Enclosure	Material			Steel sheet	
	Color			Beige (Approximate color of Munsell 10YR 7.5/1.0 NN)	
Dimensions (H x W x D)	Net		mm	542 × 799 × 290	632 × 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)		m	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				AOHG14KBTA2	AOHG18KBTA2
Energy efficiency class	Cooling			A^{+++}	
	Heating (Average)			A^{++}	
Pdesign	Cooling		kW	4.0 (35 °C)	5.0 (35 °C)
	Heating (Average)			3.5 (-10 °C)	4.2 (-10 °C)
SEER	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	HIGH	dB (A)	60	
	Heating			62	

2. Dimensions

2-1. Model: AOHG14KBTA2

Unit: mm

353

330

Pitch of bolts
for installation

4-M10 hole

580

109

Pitch of bolts for installation

Top view

19

799

68

16

290

542

20

33

30

Side view

Front view

Side view

Airflow

114

57

37

104.4

Drain port Ø42

399

19.7

150.1
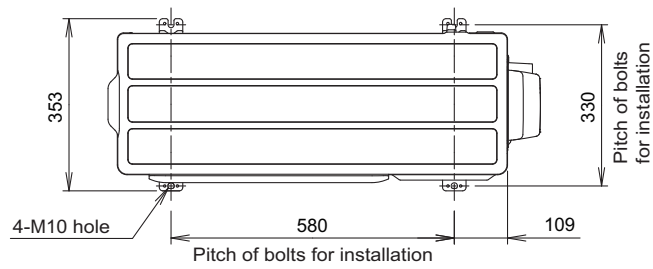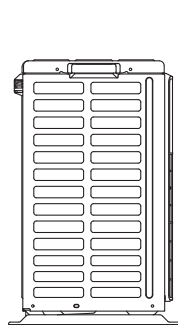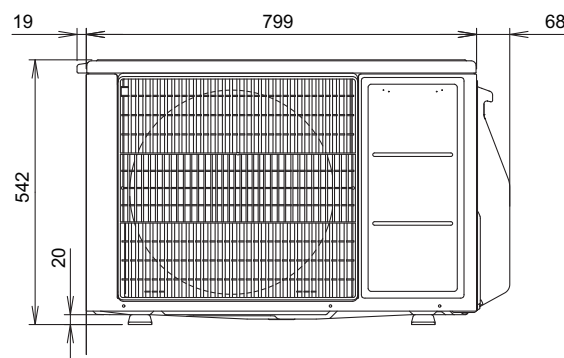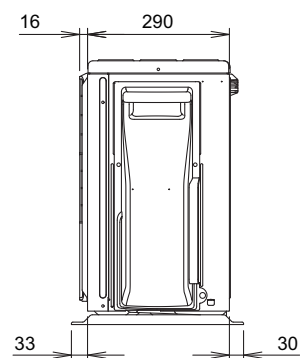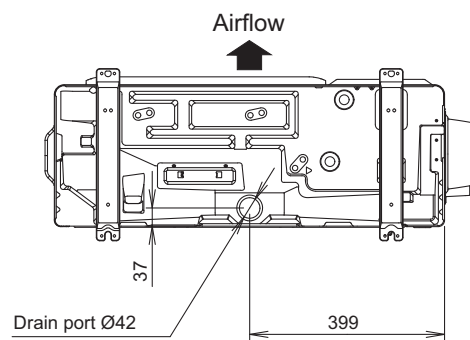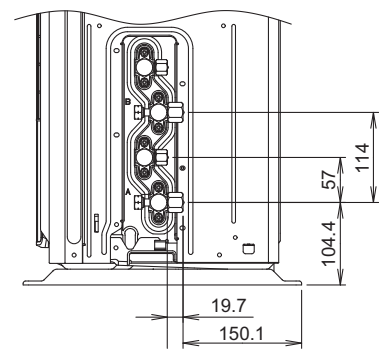
Bottom view

Side view (Valve part)

2-2. Model: AOHG18KBTA2

Unit: mm

353

330

Pitch of bolts
for installation

4-M10 hole

580

109

Pitch of bolts for installation

Top view

19

799

68

16

290

632

20

Side view

Front view

33

30

Side view

Airflow

114

57

104.4

37

19.7

150.1

Drain port Ø42

399
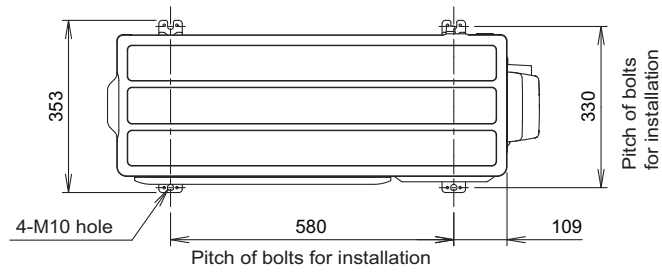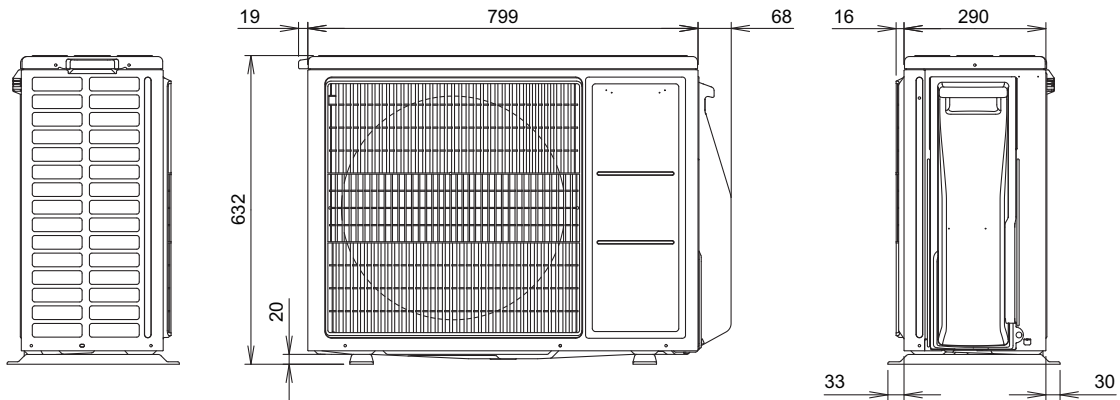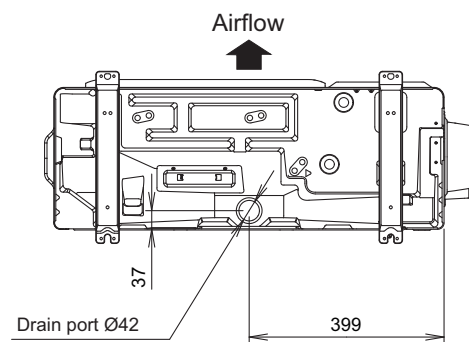
Bottom view
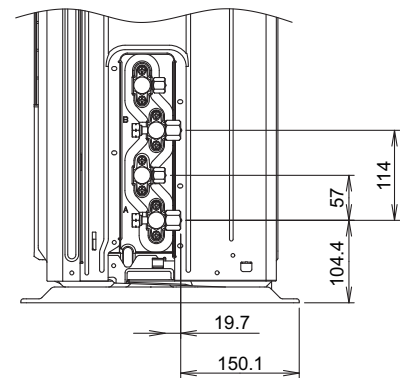
Side view (Valve part)

3. Installation space

3-1. Models: AOHG14KBTA2 and AOHG18KBTA2

■ 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

100 or more   100 or more   100 or more

250 or more
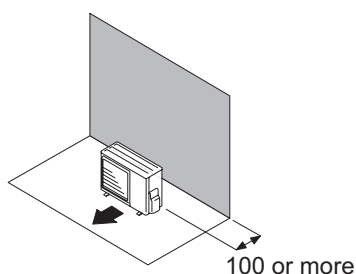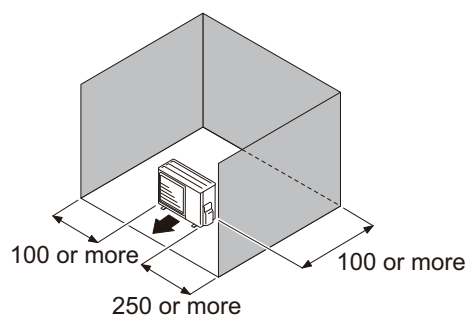
Obstacles at front   Obstacles at front and rear

600 or more   100 or more

600 or more
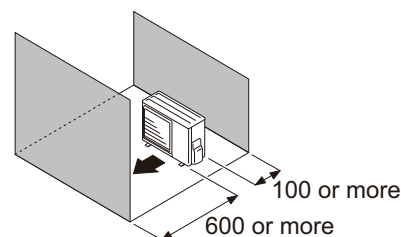
• **When an obstruction in the upper space:**

Unit: mm
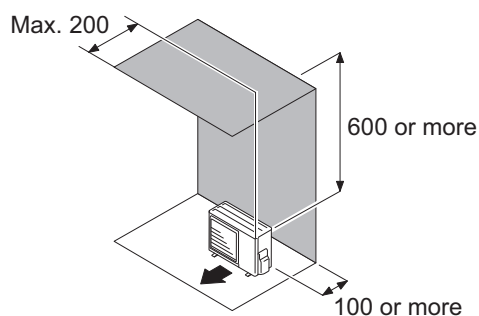
Obstacles at rear and above   Obstacles at rear, sides, and above

Max. 200   Max. 200   600 or more

600 or more   100 or more   100 or more

100 or more   250 or more

3-1. Models: AOHG14KBTA2 and AOHG18KBTA2   3. Installation space

OUTDOOR UNIT AOHG14-18KBTA2
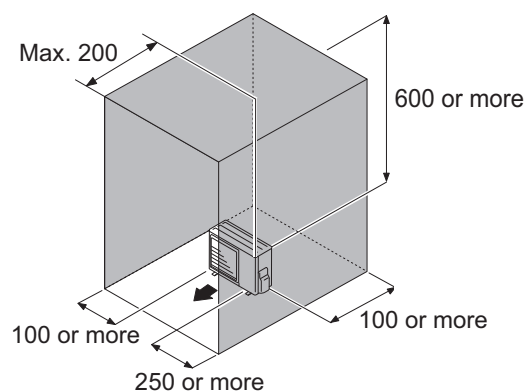
● Multiple outdoor unit installation

- 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:**

Unit: mm

Obstacles at rear only
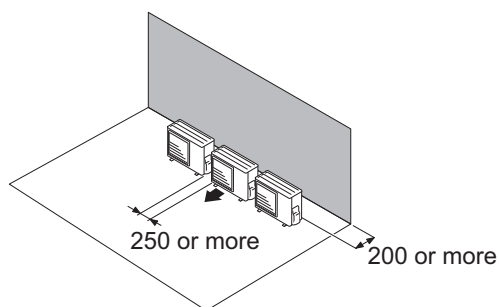
Obstacles at front only
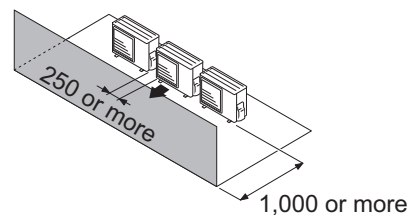
250 or more
200 or more

250 or more
1,000 or more

Obstacles at front and rear

250 or more
200 or more
1,000 or more

- **When an obstruction in the upper space:**

Unit: mm

Obstacles at rear and above.

Max. 300

250 or more

1,500 or more

1,500 or more

250 or more
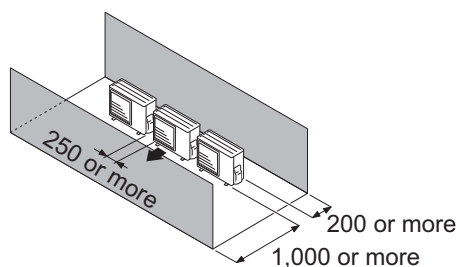
200 or more
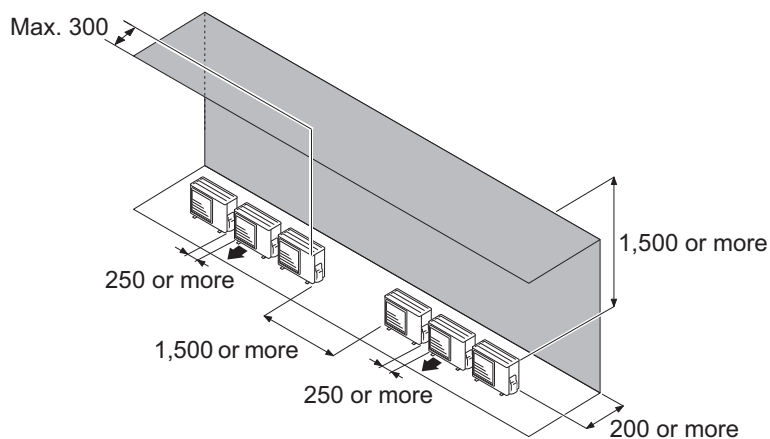
● Outdoor units installation in multi-row

Unit: mm

Single parallel unit arrangement
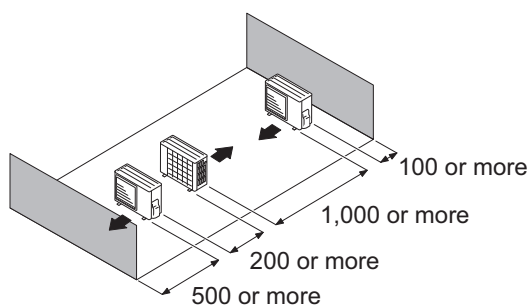
Multiple parallel unit arrangement

100 or more
1,000 or more
200 or more
500 or more

250 or more
250 or more
200 or more
2,000 or more
400 or more
1,000 or more

200 or more
250 or more
1,000 or more
200 or more
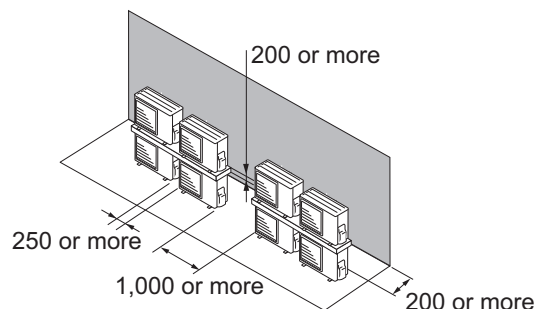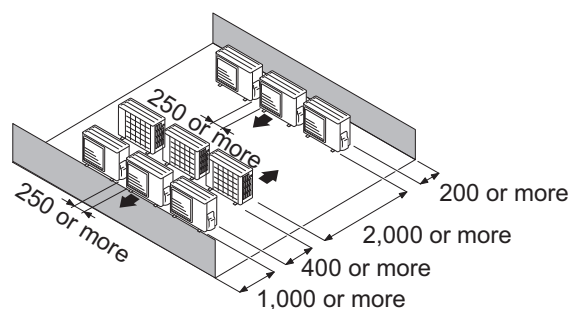
NOTES:
- If the space is larger than stated above, the condition will be the same as when there is no obstacle.
- When installing the outdoor unit, be sure to open the front and left side to obtain better operation efficiency.

⚠ 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.
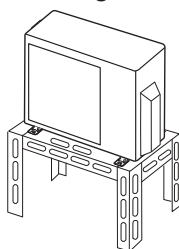
4. Refrigerant circuit

4-1. Model: AOHG14KBTA2
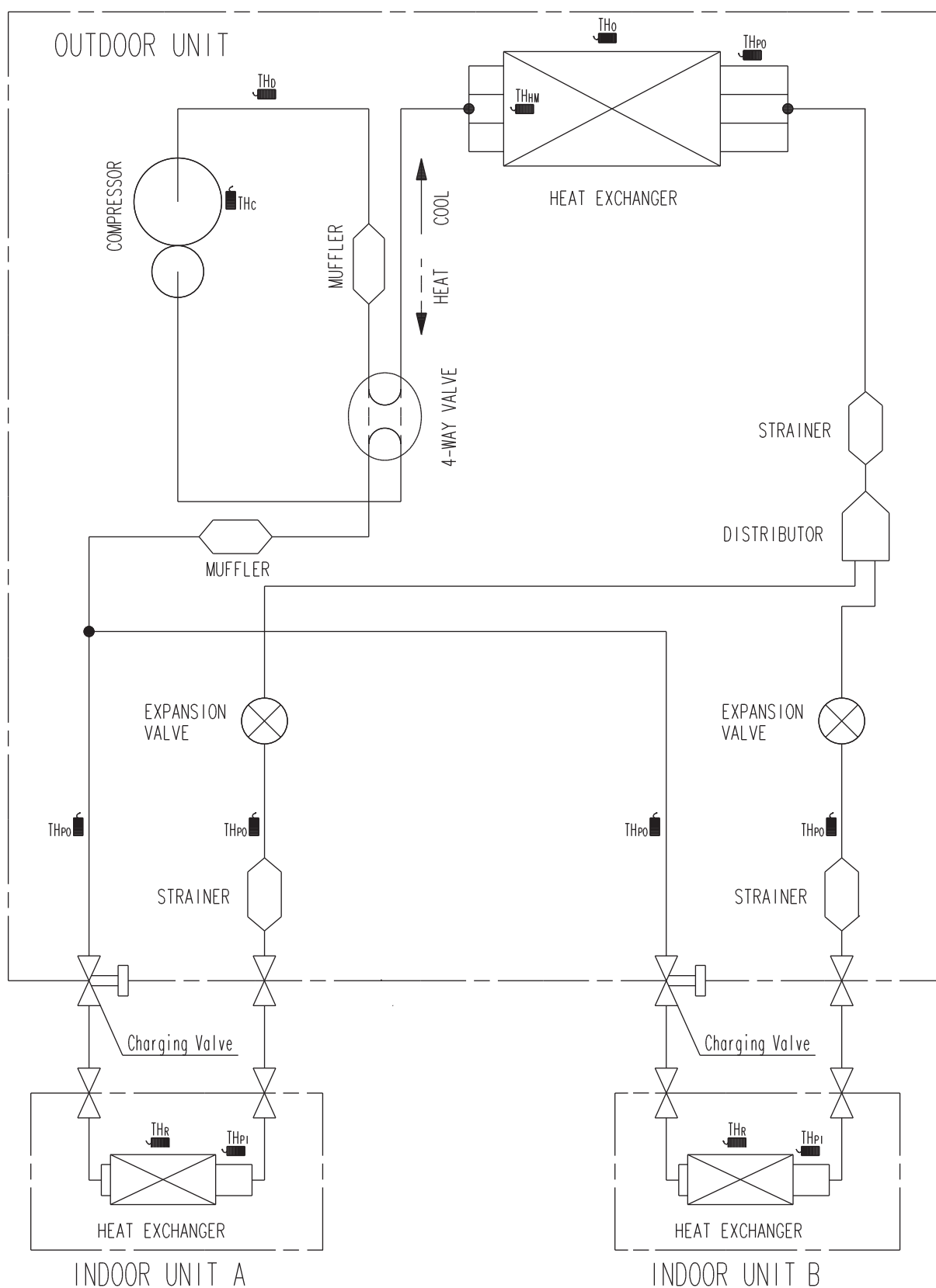
TH_D ▐ : THERMISTOR(DISCHARGE TEMP.)
TH_O ▐ : THERMISTOR(OUTDOOR TEMP.)
TH_PO ▐ : THERMISTOR(PIPE TEMP.)
TH_HM ▐ : THERMISTOR(HEAT EXCHANGER MIDDLE TEMP.)
TH_C ▐ : THERMISTOR(COMPRESSOR TEMP.)

TH_R ▐ : THERMISTOR(ROOM TEMP.)
TH_PI ▐ : THERMISTOR(PIPE TEMP.)

4-2. Model: AOHG18KBTA2

OUTDOOR UNIT

THD

COMPRESSOR

THc

MUFFLER

ACCUMULATOR

4-WAY VALVE

COOL

HEAT

THo

THHM

THP0

HEAT EXCHANGER

STRAINER

DISTRIBUTOR

MUFFLER

EXPANSION VALVE

EXPANSION VALVE

THP0   THP0   THP0   THP0

STRAINER   STRAINER

Charging Valve   Charging Valve

THR   THPI   THR   THPI

HEAT EXCHANGER   HEAT EXCHANGER

INDOOR UNIT A   INDOOR UNIT B

THD : THERMISTOR(DISCHARGE TEMP.)
THo : THERMISTOR(OUTDOOR TEMP.)
THP0 : THERMISTOR(PIPE TEMP.)
THHM : THERMISTOR(HEAT EXCHANGER MIDDLE TEMP.)

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

5. Wiring diagram

5-1. Model: AOHG14KBTA2

THERMISTOR (COMP)
THERMISTOR (PIPE MID)
THERMISTOR (OUTDOOR TEMP.)
THERMISTOR (PIPE)
THERMISTOR (DISCHARGE PIPE)
THERMISTOR(VALVE) 2WV-A 3WV-A 2WV-B 3WV-B

FAN MOTOR
FM

EXPANSION VALVE A
PMV

EXPANSION VALVE B
PMV

PRINTED CIRCUIT BOARD

P650 | P15 | P10 | P5 | P1 | P30 | PA30 | P6

W400 U | W401 V | W402 W | W200 | W201 | W102 | W70 | W103 | W104 | WA70 | W100 | W101 | P60

COMPRESSOR
CM | V(S) | U(R) | W(C)

REACTOR

TERMINAL | 1 2 3 | 1 2 3 | UNIT A | UNIT B

POWER | L N | TERMINAL

4WV
4-WAY VALVE
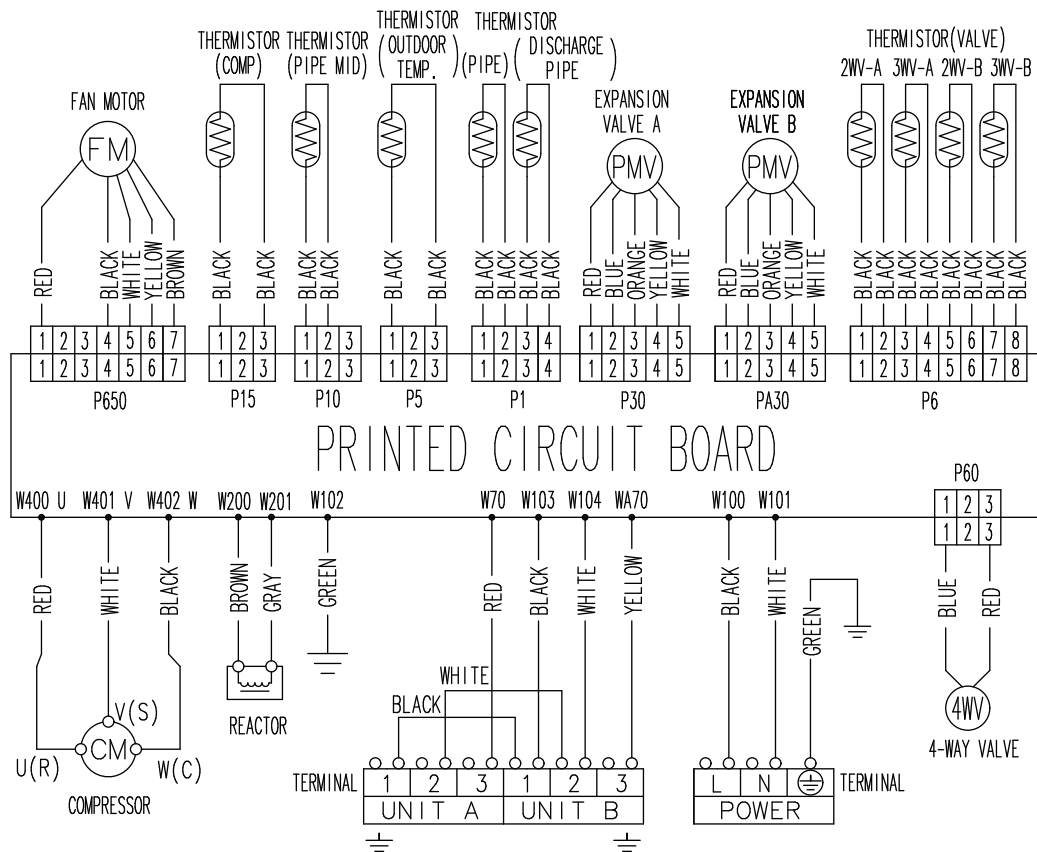
5-2. Model: AOHG18KBTA2
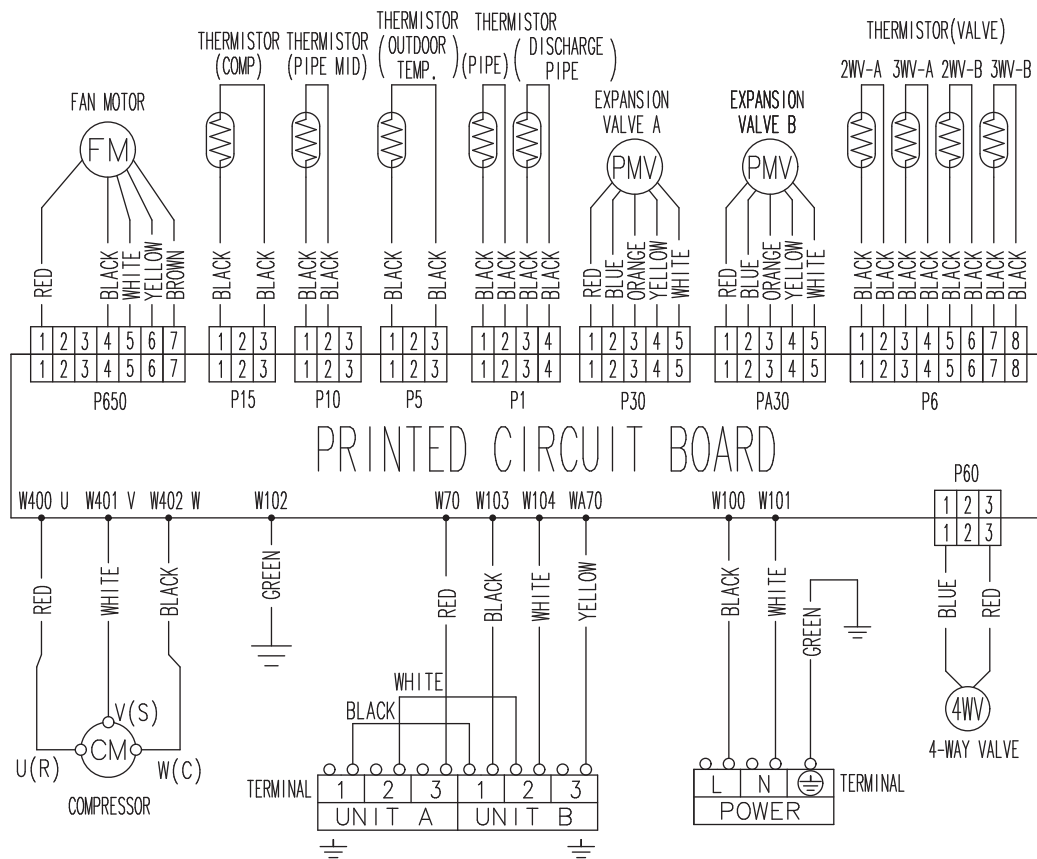
6. Capacity table

6-1. Combinations

■ Model: AOHG14KBTA2

● Cooling

Combination of indoor unit			Rated capacity for each indoor unit (kW)		Total capacity (kW)			Input power (kW)			EER (W/W)	Seasonal data		
Unit		Total	Unit		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		
Unit		Total	Unit		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.

OUTDOOR UNIT AOHG14-18KBTA2

■ Model: AOHG18KBTA2

● Cooling

Combination of indoor unit			Rated capacity for each indoor unit (kW)		Total capacity (kW)			Input power (kW)			EER (W/W)	Seasonal data		
Unit		Total	Unit		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		
Unit		Total	Unit		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: AOHG14KBTA2

Indoor unit connecting 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	0.93	4.30	0.94	4.60	0.95	4.90	0.96	5.10	0.96
	35.0	3.60	1.21	4.10	1.23	4.30	1.24	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	0.93	4.30	0.94	4.60	0.95	4.90	0.96	5.10	0.96
	35.0	3.60	1.21	4.10	1.23	4.30	1.24	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	0.93	4.30	0.94	4.60	0.95	4.90	0.96	5.10	0.96
	35.0	3.60	1.21	4.10	1.23	4.30	1.24	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	0.93	4.30	0.94	4.60	0.95	4.90	0.96	5.10	0.96
	35.0	3.60	1.21	4.10	1.23	4.30	1.24	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	0.93	4.30	0.94	4.60	0.95	4.90	0.96	5.10	0.96
	35.0	3.60	1.21	4.10	1.23	4.30	1.24	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	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	1.80	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	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	2.03	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	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	2.28	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 | 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	1.80	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 | 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	2.03	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 | 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	2.28	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	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	1.80	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	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	2.03	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	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	2.28	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)

OUTDOOR UNIT
AOHG14-18KBTA2

● Wall mounted type

Model: ASHG07KGTB

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	1.80	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: ASHG09KGTB

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	2.03	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: ASHG12KGTB

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	2.28	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

OUTDOOR UNIT AOHG14-18KBTA2

Models: ASHG07KMTB and ASHG07KMCC

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	1.80	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: ASHG09KMTB and ASHG09KMCC

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	2.03	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: ASHG12KMTB and ASHG12KMCC

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	2.28	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

OUTDOOR UNIT AOHG14-18KBTA2

Model: ASHG07KETA, ASHG07KETA-B

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	1.80	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: ASHG09KETA, ASHG09KETA-B

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	2.03	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: ASHG12KETA, ASHG12KETA-B

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	2.28	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)

OUTDOOR UNIT AOHG14-18KBTA2

OUTDOOR UNIT AOHG14-18KBTA2

● Floor type

Model: AGHG09KVCA

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	2.03	1.39	2.29	1.58	2.42	1.82	2.59	2.05	2.77	2.24	2.85	2.56
-5.0	2.03	1.39	2.29	1.58	2.42	1.82	2.59	2.05	2.77	2.24	2.85	2.56
0.0	2.03	1.39	2.29	1.58	2.42	1.82	2.59	2.05	2.77	2.24	2.85	2.56
5.0	2.03	1.39	2.29	1.58	2.42	1.82	2.59	2.05	2.77	2.24	2.85	2.56
10.0	2.03	1.39	2.29	1.58	2.42	1.82	2.59	2.05	2.77	2.24	2.85	2.56
15.0	2.03	1.39	2.29	1.58	2.42	1.82	2.59	2.05	2.77	2.24	2.85	2.56
20.0	2.03	1.39	2.29	1.58	2.42	1.82	2.59	2.05	2.77	2.24	2.85	2.56
25.0	2.03	1.39	2.29	1.58	2.42	1.82	2.59	2.05	2.77	2.24	2.85	2.56
30.0	2.03	1.39	2.29	1.58	2.42	1.82	2.59	2.05	2.77	2.24	2.85	2.56
35.0	2.03	1.39	2.29	1.58	2.42	1.82	2.59	2.05	2.77	2.24	2.85	2.56
40.0	1.76	1.05	1.99	1.19	2.10	1.37	2.25	1.54	2.40	1.69	2.48	1.93
46.0	1.53	0.79	1.73	0.90	1.83	1.04	1.96	1.17	2.09	1.28	2.16	1.46

Model: AGHG12KVCA

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	2.28	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
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)

■ Model: AOHG18KBTA2

Indoor unit connecting 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	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	1.32	2.22	1.51	2.34	1.74	2.50	1.95	2.67	2.13	2.76	2.44
0.0	1.96	1.32	2.22	1.51	2.34	1.74	2.50	1.95	2.67	2.13	2.76	2.44
5.0	1.96	1.32	2.22	1.51	2.34	1.74	2.50	1.95	2.67	2.13	2.76	2.44
10.0	1.96	1.32	2.22	1.51	2.34	1.74	2.50	1.95	2.67	2.13	2.76	2.44
15.0	1.96	1.32	2.22	1.51	2.34	1.74	2.50	1.95	2.67	2.13	2.76	2.44
20.0	1.96	1.32	2.22	1.51	2.34	1.74	2.50	1.95	2.67	2.13	2.76	2.44
25.0	1.96	1.32	2.22	1.51	2.34	1.74	2.50	1.95	2.67	2.13	2.76	2.44
30.0	1.96	1.32	2.22	1.51	2.34	1.74	2.50	1.95	2.67	2.13	2.76	2.44
35.0	1.96	1.32	2.22	1.51	2.34	1.74	2.50	1.95	2.67	2.13	2.76	2.44
40.0	1.85	1.18	2.10	1.35	2.21	1.55	2.37	1.75	2.53	1.91	2.61	2.19
46.0	1.75	1.05	1.98	1.20	2.08	1.38	2.23	1.55	2.38	1.70	2.46	1.95

Model: AUXG09KVLA

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	2.37	1.50	2.68	1.71	2.83	1.96	3.03	2.21	3.24	2.41	3.34	2.76
46.0	2.24	1.33	2.53	1.52	2.67	1.75	2.86	1.96	3.05	2.15	3.15	2.46

Model: AUXG12KVLA

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	1.89	3.24	2.15	3.42	2.48	3.66	2.78	3.91	3.04	4.03	3.49
0.0	2.87	1.89	3.24	2.15	3.42	2.48	3.66	2.78	3.91	3.04	4.03	3.49
5.0	2.87	1.89	3.24	2.15	3.42	2.48	3.66	2.78	3.91	3.04	4.03	3.49
10.0	2.87	1.89	3.24	2.15	3.42	2.48	3.66	2.78	3.91	3.04	4.03	3.49
15.0	2.87	1.89	3.24	2.15	3.42	2.48	3.66	2.78	3.91	3.04	4.03	3.49
20.0	2.87	1.89	3.24	2.15	3.42	2.48	3.66	2.78	3.91	3.04	4.03	3.49
25.0	2.87	1.89	3.24	2.15	3.42	2.48	3.66	2.78	3.91	3.04	4.03	3.49
30.0	2.87	1.89	3.24	2.15	3.42	2.48	3.66	2.78	3.91	3.04	4.03	3.49
35.0	2.87	1.89	3.24	2.15	3.42	2.48	3.66	2.78	3.91	3.04	4.03	3.49
40.0	2.72	1.69	3.07	1.93	3.23	2.22	3.46	2.49	3.70	2.72	3.82	3.12
46.0	2.56	1.50	2.89	1.71	3.05	1.97	3.27	2.22	3.49	2.42	3.60	2.78

Model: AUXG14KVLA

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	1.89	3.43	2.15	3.61	2.48	3.87	2.79	4.14	3.05	4.26	3.49
0.0	3.03	1.89	3.43	2.15	3.61	2.48	3.87	2.79	4.14	3.05	4.26	3.49
5.0	3.03	1.89	3.43	2.15	3.61	2.48	3.87	2.79	4.14	3.05	4.26	3.49
10.0	3.03	1.89	3.43	2.15	3.61	2.48	3.87	2.79	4.14	3.05	4.26	3.49
15.0	3.03	1.89	3.43	2.15	3.61	2.48	3.87	2.79	4.14	3.05	4.26	3.49
20.0	3.03	1.89	3.43	2.15	3.61	2.48	3.87	2.79	4.14	3.05	4.26	3.49
25.0	3.03	1.89	3.43	2.15	3.61	2.48	3.87	2.79	4.14	3.05	4.26	3.49
30.0	3.03	1.89	3.43	2.15	3.61	2.48	3.87	2.79	4.14	3.05	4.26	3.49
35.0	3.03	1.89	3.43	2.15	3.61	2.48	3.87	2.79	4.14	3.05	4.26	3.49
40.0	2.87	1.69	3.24	1.93	3.42	2.22	3.66	2.49	3.91	2.73	4.04	3.13
46.0	2.71	1.50	3.06	1.72	3.23	1.97	3.45	2.22	3.69	2.43	3.81	2.78

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	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	1.12

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)

OUTDOOR UNIT AOHG14-18KBTA2

● Wall mounted type

Model: ASHG07KGTB

<table>
<tr><td rowspan="3">Outdoor temperature</td><td colspan="12">Indoor temperature (°CDB / °CWB)</td></tr>
<tr><td colspan="2">18.0 / 12.0</td><td colspan="2">21.0 / 15.0</td><td colspan="2">23.0 / 16.0</td><td colspan="2">27.0 / 19.0</td><td colspan="2">29.0 / 21.0</td><td colspan="2">32.0 / 23.0</td></tr>
<tr><td>TC</td><td>SHC</td><td>TC</td><td>SHC</td><td>TC</td><td>SHC</td><td>TC</td><td>SHC</td><td>TC</td><td>SHC</td><td>TC</td><td>SHC</td></tr>
<tr><td>(°CDB)</td><td colspan="12"></td></tr>
<tr><td>-10.0</td><td>1.96</td><td>1.10</td><td>2.22</td><td>1.26</td><td>2.34</td><td>1.45</td><td>2.50</td><td>1.63</td><td>2.67</td><td>1.78</td><td>2.76</td><td>2.04</td></tr>
<tr><td>0.0</td><td>1.96</td><td>1.10</td><td>2.22</td><td>1.26</td><td>2.34</td><td>1.45</td><td>2.50</td><td>1.63</td><td>2.67</td><td>1.78</td><td>2.76</td><td>2.04</td></tr>
<tr><td>5.0</td><td>1.96</td><td>1.10</td><td>2.22</td><td>1.26</td><td>2.34</td><td>1.45</td><td>2.50</td><td>1.63</td><td>2.67</td><td>1.78</td><td>2.76</td><td>2.04</td></tr>
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<tr><td>40.0</td><td>1.54</td><td>0.68</td><td>1.74</td><td>0.78</td><td>1.84</td><td>0.90</td><td>1.97</td><td>1.01</td><td>2.10</td><td>1.10</td><td>2.17</td><td>1.26</td></tr>
<tr><td>46.0</td><td>1.12</td><td>0.36</td><td>1.27</td><td>0.41</td><td>1.34</td><td>0.48</td><td>1.43</td><td>0.54</td><td>1.53</td><td>0.59</td><td>1.58</td><td>0.67</td></tr>
</table>

Model: ASHG09KGTB

<table>
<tr><td rowspan="3">Outdoor temperature</td><td colspan="12">Indoor temperature (°CDB / °CWB)</td></tr>
<tr><td colspan="2">18.0 / 12.0</td><td colspan="2">21.0 / 15.0</td><td colspan="2">23.0 / 16.0</td><td colspan="2">27.0 / 19.0</td><td colspan="2">29.0 / 21.0</td><td colspan="2">32.0 / 23.0</td></tr>
<tr><td>TC</td><td>SHC</td><td>TC</td><td>SHC</td><td>TC</td><td>SHC</td><td>TC</td><td>SHC</td><td>TC</td><td>SHC</td><td>TC</td><td>SHC</td></tr>
<tr><td>(°CDB)</td><td colspan="12"></td></tr>
<tr><td>-10.0</td><td>2.51</td><td>1.41</td><td>2.84</td><td>1.61</td><td>2.99</td><td>1.85</td><td>3.20</td><td>2.08</td><td>3.42</td><td>2.27</td><td>3.53</td><td>2.61</td></tr>
<tr><td>0.0</td><td>2.51</td><td>1.41</td><td>2.84</td><td>1.61</td><td>2.99</td><td>1.85</td><td>3.20</td><td>2.08</td><td>3.42</td><td>2.27</td><td>3.53</td><td>2.61</td></tr>
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<tr><td>40.0</td><td>1.97</td><td>0.87</td><td>2.23</td><td>1.00</td><td>2.35</td><td>1.15</td><td>2.52</td><td>1.29</td><td>2.69</td><td>1.41</td><td>2.78</td><td>1.61</td></tr>
<tr><td>46.0</td><td>1.44</td><td>0.46</td><td>1.63</td><td>0.53</td><td>1.72</td><td>0.61</td><td>1.84</td><td>0.69</td><td>1.96</td><td>0.75</td><td>2.02</td><td>0.86</td></tr>
</table>

Model: ASHG12KGTB

<table>
<tr><td rowspan="3">Outdoor temperature</td><td colspan="12">Indoor temperature (°CDB / °CWB)</td></tr>
<tr><td colspan="2">18.0 / 12.0</td><td colspan="2">21.0 / 15.0</td><td colspan="2">23.0 / 16.0</td><td colspan="2">27.0 / 19.0</td><td colspan="2">29.0 / 21.0</td><td colspan="2">32.0 / 23.0</td></tr>
<tr><td>TC</td><td>SHC</td><td>TC</td><td>SHC</td><td>TC</td><td>SHC</td><td>TC</td><td>SHC</td><td>TC</td><td>SHC</td><td>TC</td><td>SHC</td></tr>
<tr><td>(°CDB)</td><td colspan="12"></td></tr>
<tr><td>-10.0</td><td>2.87</td><td>1.61</td><td>3.24</td><td>1.84</td><td>3.42</td><td>2.12</td><td>3.66</td><td>2.38</td><td>3.91</td><td>2.60</td><td>4.03</td><td>2.98</td></tr>
<tr><td>0.0</td><td>2.87</td><td>1.61</td><td>3.24</td><td>1.84</td><td>3.42</td><td>2.12</td><td>3.66</td><td>2.38</td><td>3.91</td><td>2.60</td><td>4.03</td><td>2.98</td></tr>
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<tr><td>10.0</td><td>2.87</td><td>1.61</td><td>3.24</td><td>1.84</td><td>3.42</td><td>2.12</td><td>3.66</td><td>2.38</td><td>3.91</td><td>2.60</td><td>4.03</td><td>2.98</td></tr>
<tr><td>15.0</td><td>2.87</td><td>1.61</td><td>3.24</td><td>1.84</td><td>3.42</td><td>2.12</td><td>3.66</td><td>2.38</td><td>3.91</td><td>2.60</td><td>4.03</td><td>2.98</td></tr>
<tr><td>20.0</td><td>2.87</td><td>1.61</td><td>3.24</td><td>1.84</td><td>3.42</td><td>2.12</td><td>3.66</td><td>2.38</td><td>3.91</td><td>2.60</td><td>4.03</td><td>2.98</td></tr>
<tr><td>25.0</td><td>2.87</td><td>1.61</td><td>3.24</td><td>1.84</td><td>3.42</td><td>2.12</td><td>3.66</td><td>2.38</td><td>3.91</td><td>2.60</td><td>4.03</td><td>2.98</td></tr>
<tr><td>30.0</td><td>2.87</td><td>1.61</td><td>3.24</td><td>1.84</td><td>3.42</td><td>2.12</td><td>3.66</td><td>2.38</td><td>3.91</td><td>2.60</td><td>4.03</td><td>2.98</td></tr>
<tr><td>35.0</td><td>2.87</td><td>1.61</td><td>3.24</td><td>1.84</td><td>3.42</td><td>2.12</td><td>3.66</td><td>2.38</td><td>3.91</td><td>2.60</td><td>4.03</td><td>2.98</td></tr>
<tr><td>40.0</td><td>2.26</td><td>1.00</td><td>2.55</td><td>1.14</td><td>2.69</td><td>1.31</td><td>2.88</td><td>1.47</td><td>3.08</td><td>1.61</td><td>3.17</td><td>1.85</td></tr>
<tr><td>46.0</td><td>1.65</td><td>0.53</td><td>1.86</td><td>0.61</td><td>1.96</td><td>0.70</td><td>2.10</td><td>0.78</td><td>2.25</td><td>0.86</td><td>2.31</td><td>0.98</td></tr>
</table>

Model: ASHG14KGTB

<table>
<tr><td rowspan="3">Outdoor temperature</td><td colspan="12">Indoor temperature (°CDB / °CWB)</td></tr>
<tr><td colspan="2">18.0 / 12.0</td><td colspan="2">21.0 / 15.0</td><td colspan="2">23.0 / 16.0</td><td colspan="2">27.0 / 19.0</td><td colspan="2">29.0 / 21.0</td><td colspan="2">32.0 / 23.0</td></tr>
<tr><td>TC</td><td>SHC</td><td>TC</td><td>SHC</td><td>TC</td><td>SHC</td><td>TC</td><td>SHC</td><td>TC</td><td>SHC</td><td>TC</td><td>SHC</td></tr>
<tr><td>(°CDB)</td><td colspan="12"></td></tr>
<tr><td>-10.0</td><td>3.03</td><td>1.71</td><td>3.43</td><td>1.94</td><td>3.61</td><td>2.24</td><td>3.87</td><td>2.52</td><td>4.14</td><td>2.75</td><td>4.26</td><td>3.15</td></tr>
<tr><td>0.0</td><td>3.03</td><td>1.71</td><td>3.43</td><td>1.94</td><td>3.61</td><td>2.24</td><td>3.87</td><td>2.52</td><td>4.14</td><td>2.75</td><td>4.26</td><td>3.15</td></tr>
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<tr><td>35.0</td><td>3.03</td><td>1.71</td><td>3.43</td><td>1.94</td><td>3.61</td><td>2.24</td><td>3.87</td><td>2.52</td><td>4.14</td><td>2.75</td><td>4.26</td><td>3.15</td></tr>
<tr><td>40.0</td><td>2.39</td><td>1.06</td><td>2.70</td><td>1.20</td><td>2.84</td><td>1.39</td><td>3.05</td><td>1.56</td><td>3.26</td><td>1.70</td><td>3.36</td><td>1.95</td></tr>
<tr><td>46.0</td><td>1.74</td><td>0.56</td><td>1.97</td><td>0.64</td><td>2.07</td><td>0.74</td><td>2.22</td><td>0.83</td><td>2.37</td><td>0.91</td><td>2.45</td><td>1.04</td></tr>
</table>

OUTDOOR UNIT AOHG14-18KBTA2

OUTDOOR UNIT AOHG14-18KBTA2

Models: ASHG07KMTB and ASHG07KMCC

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

Models: ASHG09KMTB and ASHG09KMCC

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

Models: ASHG12KMTB and ASHG12KMCC

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

Models: ASHG14KMTB and ASHG14KMCC

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

Model: ASHG07KETA, ASHG07KETA-B

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: ASHG09KETA, ASHG09KETA-B

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: ASHG12KETA, ASHG12KETA-B

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: ASHG14KETA, ASHG14KETA-B

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

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)

● Floor type

Model: AGHG09KVCA

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	1.71	2.84	1.95	2.99	2.25	3.20	2.53	3.42	2.76	3.53	3.17
-5.0	2.51	1.71	2.84	1.95	2.99	2.25	3.20	2.53	3.42	2.76	3.53	3.17
0.0	2.51	1.71	2.84	1.95	2.99	2.25	3.20	2.53	3.42	2.76	3.53	3.17
5.0	2.51	1.71	2.84	1.95	2.99	2.25	3.20	2.53	3.42	2.76	3.53	3.17
10.0	2.51	1.71	2.84	1.95	2.99	2.25	3.20	2.53	3.42	2.76	3.53	3.17
15.0	2.51	1.71	2.84	1.95	2.99	2.25	3.20	2.53	3.42	2.76	3.53	3.17
20.0	2.51	1.71	2.84	1.95	2.99	2.25	3.20	2.53	3.42	2.76	3.53	3.17
25.0	2.51	1.71	2.84	1.95	2.99	2.25	3.20	2.53	3.42	2.76	3.53	3.17
30.0	2.51	1.71	2.84	1.95	2.99	2.25	3.20	2.53	3.42	2.76	3.53	3.17
35.0	2.51	1.71	2.84	1.95	2.99	2.25	3.20	2.53	3.42	2.76	3.53	3.17
40.0	2.37	1.53	2.68	1.75	2.83	2.01	3.03	2.26	3.24	2.48	3.34	2.84
46.0	2.24	1.37	2.53	1.56	2.67	1.79	2.86	2.01	3.05	2.20	3.15	2.52

Model: AGHG12KVCA

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
-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
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	2.72	1.64	3.07	1.87	3.23	2.16	3.46	2.42	3.70	2.65	3.82	3.04
46.0	2.56	1.46	2.89	1.67	3.05	1.92	3.27	2.16	3.49	2.36	3.60	2.70

Model: AGHG14KVCA

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	1.89	3.43	2.15	3.61	2.48	3.87	2.79	4.14	3.05	4.26	3.49
-5.0	3.03	1.89	3.43	2.15	3.61	2.48	3.87	2.79	4.14	3.05	4.26	3.49
0.0	3.03	1.89	3.43	2.15	3.61	2.48	3.87	2.79	4.14	3.05	4.26	3.49
5.0	3.03	1.89	3.43	2.15	3.61	2.48	3.87	2.79	4.14	3.05	4.26	3.49
10.0	3.03	1.89	3.43	2.15	3.61	2.48	3.87	2.79	4.14	3.05	4.26	3.49
15.0	3.03	1.89	3.43	2.15	3.61	2.48	3.87	2.79	4.14	3.05	4.26	3.49
20.0	3.03	1.89	3.43	2.15	3.61	2.48	3.87	2.79	4.14	3.05	4.26	3.49
25.0	3.03	1.89	3.43	2.15	3.61	2.48	3.87	2.79	4.14	3.05	4.26	3.49
30.0	3.03	1.89	3.43	2.15	3.61	2.48	3.87	2.79	4.14	3.05	4.26	3.49
35.0	3.03	1.89	3.43	2.15	3.61	2.48	3.87	2.79	4.14	3.05	4.26	3.49
40.0	2.87	1.69	3.24	1.93	3.42	2.22	3.66	2.49	3.91	2.73	4.04	3.13
46.0	2.71	1.50	3.06	1.72	3.23	1.97	3.45	2.22	3.69	2.43	3.81	2.78

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: AOHG14KBTA2

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)

OUTDOOR UNIT AOHG14-18KBTA2

● 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)

OUTDOOR UNIT AOHG14-18KBTA2

● Wall mounted type

Model: ASHG07KGTB

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: ASHG09KGTB

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: ASHG12KGTB

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

6-3. Heating capacity   6. Capacity table

Models: ASHG07KMTB and ASHG07KMCC

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: ASHG09KMTB and ASHG09KMCC

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: ASHG12KMTB and ASHG12KMCC

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

OUTDOOR UNIT AOHG14-18KBTA2

OUTDOOR UNIT AOHG14-18KBTA2

6-3. Heating capacity

6. Capacity table

Model: ASHG07KETA, ASHG07KETA-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: ASHG09KETA, ASHG09KETA-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: ASHG12KETA, ASHG12KETA-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)

● Floor type

Model: AGHG09KVCA

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: AGHG12KVCA

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: AOHG18KBTA2

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
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
	24.0	18.0	7.4	1.15	7.2	1.18	7.0	1.20	6.8	1.23	6.7	1.25
24	-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
	24.0	18.0	7.4	1.15	7.2	1.18	7.0	1.20	6.8	1.23	6.7	1.25
23	-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
	24.0	18.0	7.4	1.15	7.2	1.18	7.0	1.20	6.8	1.23	6.7	1.25
21	-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
	24.0	18.0	7.4	1.15	7.2	1.18	7.0	1.20	6.8	1.23	6.7	1.25
19	-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
	24.0	18.0	7.4	1.15	7.2	1.18	7.0	1.20	6.8	1.23	6.7	1.25
18	-15.0	-16.0	4.0	1.63	3.9	1.66	3.8	1.69	3.7	1.73	3.6	1.76
	-10.0	-11.0	4.6	1.67	4.4	1.71	4.3	1.74	4.2	1.78	4.1	1.81
	-5.0	-7.0	5.2	1.72	5.0	1.76	4.9	1.79	4.8	1.83	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
	24.0	18.0	7.4	1.15	7.2	1.18	7.0	1.20	6.8	1.23	6.7	1.25
16	-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
	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
14	-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
	-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]

OUTDOOR UNIT AOHG14-18KBTA2

OUTDOOR UNIT AOHG14-18KBTA2

● 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)

OUTDOOR UNIT
AOHG14-18KBTA2

● Wall mounted type

Model: ASHG07KGTB

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: ASHG09KGTB

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: ASHG12KGTB

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: ASHG14KGTB

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

6-3. Heating capacity

6. Capacity table

OUTDOOR UNIT AOHG14-18KBTA2

OUTDOOR UNIT AOHG14-18KBTA2

Models: ASHG07KMTB and ASHG07KMCC

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: ASHG09KMTB and ASHG09KMCC

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: ASHG12KMTB and ASHG12KMCC

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: ASHG14KMTB and ASHG14KMCC

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

6-3. Heating capacity

6. Capacity table

Model: ASHG07KETA, ASHG07KETA-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: ASHG09KETA, ASHG09KETA-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: ASHG12KETA, ASHG12KETA-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: ASHG14KETA, ASHG14KETA-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)

● Floor type

Model: AGHG09KVCA

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: AGHG12KVCA

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: AGHG14KVCA

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)

OUTDOOR UNIT
AOHG14-18KBTA2

OUTDOOR UNIT
AOHG14-18KBTA2

7. Capacity compensation rate for pipe length and height difference

Height difference H

Indoor unit is higher than outdoor unit *1	Indoor unit is lower than outdoor unit *2
Indoor unit H Outdoor unit Connection pipe	Outdoor unit H Indoor unit Connection pipe

7-1. Model: AOHG14KBTA2

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
Indoor unit is higher than outdoor unit *1	15	—	—	—	0.936	0.908
	10	—	—	0.969	0.943	0.915
	5	—	0.991	0.976	0.950	0.921
	2.5	0.993	0.993	0.978	0.952	0.923
	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
	-5	—	1.000	0.985	0.959	0.930
	-10	—	—	0.985	0.959	0.930
	-15	—	—	—	0.959	0.930

Height difference H (m)

Heating		Pipe length				
	m	2.5	5	10	15	20
Indoor unit is higher than outdoor unit *1	15	—	—	—	0.937	0.915
	10	—	—	0.956	0.937	0.915
	5	—	1.000	0.956	0.937	0.915
	2.5	0.990	1.000	0.956	0.937	0.915
	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
	-5	—	0.994	0.950	0.931	0.909
	-10	—	—	0.946	0.928	0.906
	-15	—	—	—	0.923	0.901

Height difference H (m)

OUTDOOR UNIT
AOHG14-18KBTA2

■ 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	—	—	—	0.924	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
	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
	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
	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
	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

7-1. Model: AOHG14KBTA2   7. Capacity compensation rate for pipe length and height difference

7-2. Model: AOHG18KBTA2

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
	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
	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
	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
	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

7. Capacity compensation rate for pipe length and height difference

■ Indoor unit: 12,000 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	—	—	—	0.919	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
	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
	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
	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
	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

7-2. Model: AOHG18KBTA2   7. Capacity compensation rate for pipe length and height difference

8. Additional charge calculation

8-1. Model: AOHG14KBTA2

Refrigerant type		R32
Refrigerant amount	g	900

■ Refrigerant charge

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

8-2. Model: AOHG18KBTA2

Refrigerant type		R32
Refrigerant amount	g	1,020

■ Refrigerant charge

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

OUTDOOR UNIT AOHG14-18KBTA2

9. Airflow

9-1. Model: AOHG14KBTA2

● 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: AOHG18KBTA2

● 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: AOHG14KBTA2
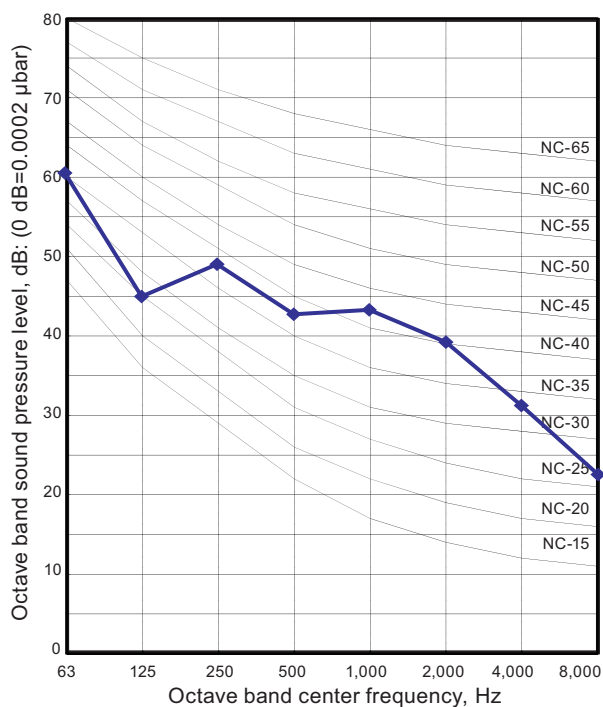
● Cooling

● Heating
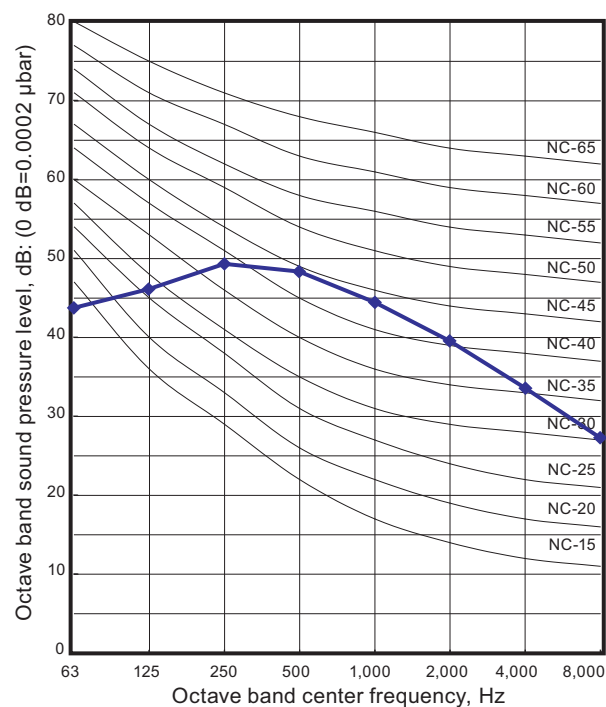
■ Model: AOHG18KBTA2

● Cooling
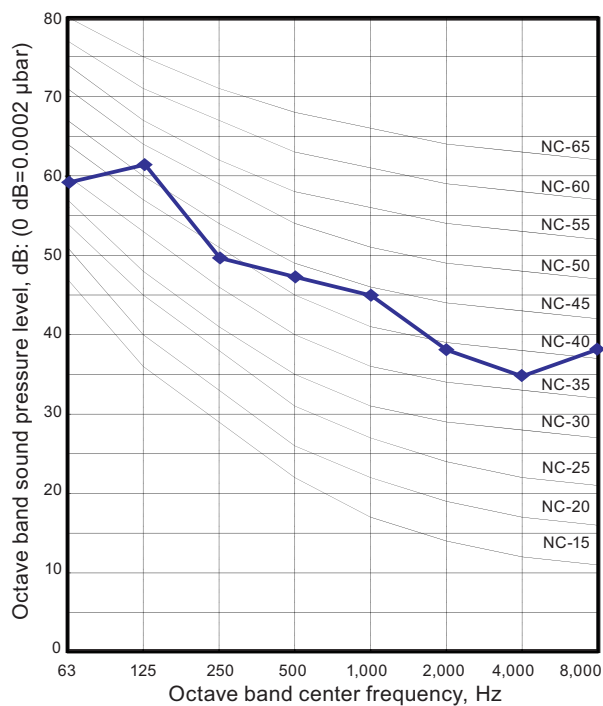
● Heating

10-2. Sound level check point

OUTDOOR UNIT AOHG14-18KBTA2

Rear

Microphone

Airflow

Microphone

1 m

Side view

Rear view
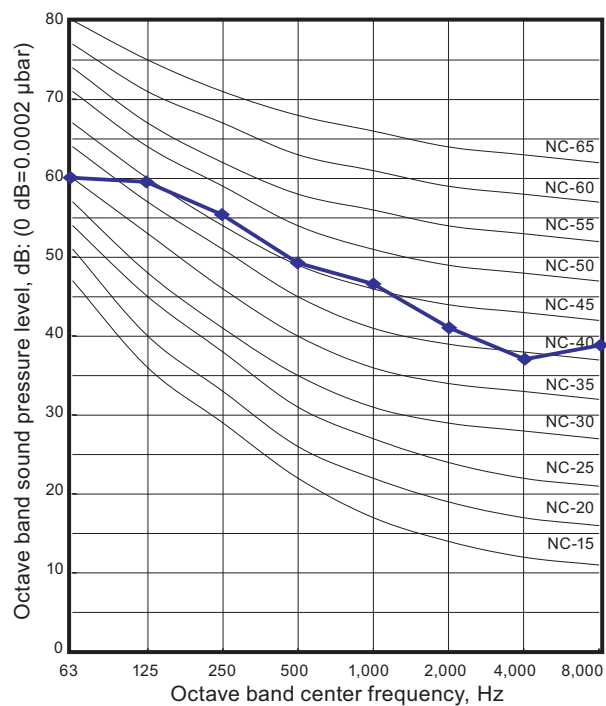
OUTDOOR UNIT AOHG14-18KBTA2
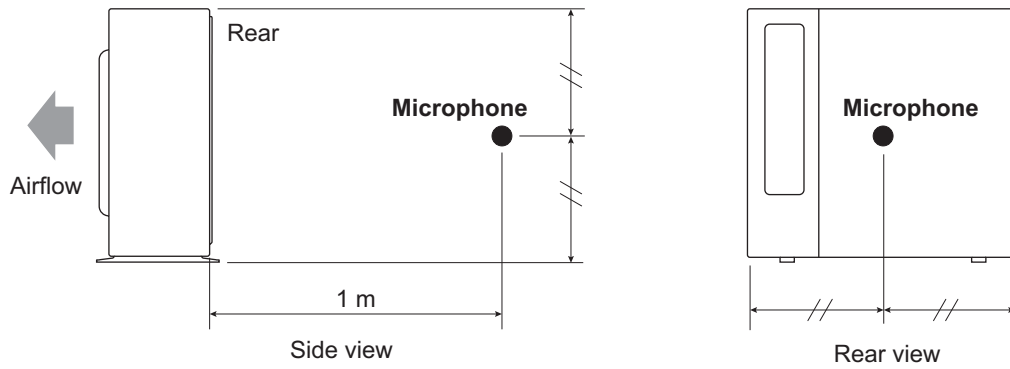
NOTE: Detailed shape of the actual outdoor unit might be slightly different from the one illustrated above.

11. Electrical characteristics

Model name				AOHG14KBTA2	AOHG18KBTA2
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.

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11. Electrical characteristics

12. Safety devices

Type of protection	Protection form		AOHG14KBTA2	AOHG18KBTA2
		Model		
			AOHG14KBTA2	**AOHG18KBTA2**
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	125 ±10 °C Fan motor stop
		Reset	95 °C or less Fan motor restart	120 ±10 °C 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	

12. Safety devices

13. Accessories

13-1. Models: AOHG14KBTA2 and AOHG18KBTA2

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 236.
- 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.	1. Install a soundproof barrier. 2. Change the installation site.
When there is the possibility of strong wind.	• 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.	1. Install the outdoor unit with keeping a sufficient distance between the outlet side of the unit and a facing wall or fence. 2. Make the outlet direction and wind direction perpendicular. 3. 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.	1. Make the foundation as high as possible. 2. 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.