FUJITSU

REFRIGERANT R32
INVERTER

AIR CONDITIONER

4-unit multi-split type,
5-unit multi-split type

DESIGN & TECHNICAL MANUAL

INDOOR

AUXG07KVLA
AUXG09KVLA
AUXG12KVLA
AUXG14KVLA
AUXG18KVLA
AUXG22KVLA

ARXG07KSLAP
ARXG09KSLAP
ARXG12KSLAP
ARXG14KSLAP
ARXG18KSLAP

ARXG07KLLAP
ARXG09KLLAP
ARXG12KLLAP
ARXG14KLLAP
ARXG18KLLAP

ARXG22KMLB

ASYG07KGTB
ASYG09KGTB
ASYG12KGTB
ASYG14KGTB

ASYG18KMTB
ASYG22KMTB
ASYG24KMTB

ASYG07KMTB
ASYG09KMTB
ASYG12KMTB
ASYG14KMTB

ASYG07KMCC
ASYG09KMCC
ASYG12KMCC
ASYG14KMCC

ASYG07KETA
ASYG09KETA
ASYG12KETA
ASYG14KETA

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

ABYG18KRTA
ABYG22KRTA

AGYG09KVCA
AGYG12KVCA
AGYG14KVCA

OUTDOOR

AOYG30KBTA4
AOYG36KBTA5

FUJITSU GENERAL LIMITED

DR_MU025EF_02
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Notices:
- Product specifications and design are subject to change without notice for future improvement.
- For further details, please check with our authorized dealer.

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Part 1. INDOOR UNIT

COMPACT CASSETTE TYPE:

AUXG07KVLA AUXG14KVLA
AUXG09KVLA AUXG18KVLA
AUXG12KVLA AUXG22KVLA

MINI DUCT TYPE:

ARXG07KSLAP ARXG14KSLAP
ARXG09KSLAP ARXG18KSLAP
ARXG12KSLAP

SLIM DUCT TYPE:

ARXG07KLLAP ARXG14KLLAP
ARXG09KLLAP ARXG18KLLAP
ARXG12KLLAP

MEDIUM STATIC PRESSURE DUCT TYPE:

ARXG22KMLB

WALL MOUNTED TYPE:

ASYG07KGTB	ASYG18KMTB	ASYG07KMTB	ASYG07KMCC	ASYG07KETA(-B)
ASYG09KGTB	ASYG22KMTB	ASYG09KMTB	ASYG09KMCC	ASYG09KETA(-B)
ASYG12KGTB	ASYG24KMTB	ASYG12KMTB	ASYG12KMCC	ASYG12KETA(-B)
ASYG14KGTB		ASYG14KMTB	ASYG14KMCC	ASYG14KETA(-B)

CEILING TYPE:

ABYG18KRTA ABYG22KRTA

FLOOR TYPE:

AGYG09KVCA AGYG14KVCA
AGYG12KVCA

4-5 UNIT
MULTI-SPLIT TYPE

1. Model lineup

Indoor unit			
 AUXG07KVLA AUXG09KVLA AUXG12KVLA AUXG14KVLA AUXG18KVLA AUXG22KVLA	 ARXG07KSLAP ARXG09KSLAP ARXG12KSLAP ARXG14KSLAP ARXG18KSLAP	 ARXG07KLLAP ARXG09KLLAP ARXG12KLLAP ARXG14KLLAP ARXG18KLLAP	 ARXG22KMLB
 ASYG07KGTB ASYG09KGTB ASYG12KGTB ASYG14KGTB	 ASYG18KMTB ASYG22KMTB ASYG24KMTB	 ASYG07KMTB ASYG09KMTB ASYG12KMTB ASYG14KMTB ASYG07KMCC ASYG09KMCC ASYG12KMCC ASYG14KMCC	 ASYG07KETA ASYG09KETA ASYG12KETA ASYG14KETA
 ASYG07KETA-B ASYG09KETA-B ASYG12KETA-B ASYG14KETA-B	 ABYG18KRTA ABYG22KRTA	 AGYG09KVCA AGYG12KVCA AGYG14KVCA	

Outdoor unit
 AOYG30KBTA4 AOYG36KBTA5

4-5 UNIT
MULTI-SPLIT TYPE

1-1. Indoor unit connection patterns

■ 4-unit multi-split type

AOYG30KBTA4					
Combination no.	**Unit 1**	**Unit 2**	**Unit 3**	**Unit 4**	**Total**
1	7	22	—	—	29
2	7	24	—	—	31
3	9	22	—	—	31
4	9	24	—	—	33
5	12	18	—	—	30
6	12	22	—	—	34
7	12	24	—	—	36
8	14	18	—	—	32
9	14	22	—	—	36
10	14	24	—	—	38
11	18	18	—	—	36
12	18	22	—	—	40
13	18	24	—	—	42
14	22	22	—	—	44
15	22	24	—	—	46
16	24	24	—	—	48
17	7	7	12	—	26
18	7	7	14	—	28
19	7	7	18	—	32
20	7	7	22	—	36
21	7	7	24	—	38
22	7	9	9	—	25
23	7	9	12	—	28
24	7	9	14	—	30
25	7	9	18	—	34
26	7	9	22	—	38
27	7	9	24	—	40
28	7	12	12	—	31
29	7	12	14	—	33
30	7	12	18	—	37
31	7	12	22	—	41
32	7	12	24	—	43
33	7	14	14	—	35
34	7	14	18	—	39
35	7	14	22	—	43
36	7	14	24	—	45
37	7	18	18	—	43
38	7	18	22	—	47
39	7	18	24	—	49
40	9	9	9	—	27
41	9	9	12	—	30
42	9	9	14	—	32
43	9	9	18	—	36
44	9	9	22	—	40
45	9	9	24	—	42
46	9	12	12	—	33
47	9	12	14	—	35
48	9	12	18	—	39
49	9	12	22	—	43
50	9	12	24	—	45

4-5 UNIT MULTI-SPLIT TYPE

AOYG30KBTA4					
Combination no.	**Unit 1**	**Unit 2**	**Unit 3**	**Unit 4**	**Total**
51	9	14	14	—	37
52	9	14	18	—	41
53	9	14	22	—	45
54	9	14	24	—	47
55	12	12	12	—	36
56	12	12	14	—	38
57	12	12	18	—	42
58	12	12	22	—	46
59	12	12	24	—	48
60	12	14	14	—	40
61	12	14	18	—	44
62	12	18	18	—	48
63	14	14	14	—	42
64	14	14	18	—	46
65	7	7	7	7	28
66	7	7	7	9	30
67	7	7	7	12	33
68	7	7	7	14	35
69	7	7	7	18	39
70	7	7	9	9	32
71	7	7	9	12	35
72	7	7	9	14	37
73	7	7	9	18	41
74	7	7	12	12	38
75	7	7	12	14	40
76	7	7	12	18	44
77	7	7	14	14	42
78	7	7	14	18	46
79	7	9	9	9	34
80	7	9	9	12	37
81	7	9	9	14	39
82	7	9	9	18	43
83	7	9	12	12	40
84	7	9	12	14	42
85	7	9	12	18	46
86	7	9	14	14	44
87	7	9	14	18	48
88	7	12	12	12	43
89	7	12	12	14	45
90	7	12	12	18	49
91	7	12	14	14	47
92	9	9	9	9	36
93	9	9	9	12	39
94	9	9	9	14	41
95	9	9	9	18	45
96	9	9	12	12	42
97	9	9	12	14	44
98	9	9	12	18	48
99	9	9	14	14	46
100	9	12	12	12	45
101	9	12	12	14	47
102	9	12	14	14	49
103	12	12	12	12	48

Numbers in column Unit 1 to 4, and Total indicate the indoor unit capacities as follows:

4-5 UNIT
MULTI-SPLIT TYPE

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

4-5 UNIT MULTI-SPLIT TYPE

■ 5-unit multi-split type

AOYG36KBTA5						
Combination no.	**Unit 1**	**Unit 2**	**Unit 3**	**Unit 4**	**Unit 5**	**Total**
1	7	24	—	—	—	31
2	9	22	—	—	—	31
3	9	24	—	—	—	33
4	12	22	—	—	—	34
5	12	24	—	—	—	36
6	14	22	—	—	—	36
7	14	24	—	—	—	38
8	18	18	—	—	—	36
9	18	22	—	—	—	40
10	18	24	—	—	—	42
11	22	22	—	—	—	44
12	22	24	—	—	—	46
13	24	24	—	—	—	48
14	7	7	14	—	—	28
15	7	7	18	—	—	32
16	7	7	22	—	—	36
17	7	7	24	—	—	38
18	7	9	12	—	—	28
19	7	9	14	—	—	30
20	7	9	18	—	—	34
21	7	9	22	—	—	38
22	7	9	24	—	—	40
23	7	12	12	—	—	31
24	7	12	14	—	—	33
25	7	12	18	—	—	37
26	7	12	22	—	—	41
27	7	12	24	—	—	43
28	7	14	14	—	—	35
29	7	14	18	—	—	39
30	7	14	22	—	—	43
31	7	14	24	—	—	45
32	7	18	18	—	—	43
33	7	18	22	—	—	47
34	7	18	24	—	—	49
35	9	9	9	—	—	27
36	9	9	12	—	—	30
37	9	9	14	—	—	32
38	9	9	18	—	—	36
39	9	9	22	—	—	40
40	9	9	24	—	—	42
41	9	12	12	—	—	33
42	9	12	14	—	—	35
43	9	12	18	—	—	39
44	9	12	22	—	—	43
45	9	12	24	—	—	45
46	9	14	14	—	—	37
47	9	14	18	—	—	41
48	9	14	22	—	—	45
49	9	14	24	—	—	47
50	9	18	18	—	—	45
51	9	18	22	—	—	49
52	9	18	24	—	—	51

4-5 UNIT MULTI-SPLIT TYPE

AOYG36KBTA5						
Combination no.	**Unit 1**	**Unit 2**	**Unit 3**	**Unit 4**	**Unit 5**	**Total**
53	12	12	12	—	—	36
54	12	12	14	—	—	38
55	12	12	18	—	—	42
56	12	12	22	—	—	46
57	12	12	24	—	—	48
58	12	14	14	—	—	40
59	12	14	18	—	—	44
60	12	14	22	—	—	48
61	12	14	24	—	—	50
62	12	18	18	—	—	48
63	12	18	22	—	—	52
64	12	18	24	—	—	54
65	14	14	14	—	—	42
66	14	14	18	—	—	46
67	14	14	22	—	—	50
68	14	14	24	—	—	52
69	14	18	18	—	—	50
70	18	18	18	—	—	54
71	7	7	7	7	—	28
72	7	7	7	9	—	30
73	7	7	7	12	—	33
74	7	7	7	14	—	35
75	7	7	7	18	—	39
76	7	7	7	22	—	43
77	7	7	7	24	—	45
78	7	7	9	9	—	32
79	7	7	9	12	—	35
80	7	7	9	14	—	37
81	7	7	9	18	—	41
82	7	7	9	22	—	45
83	7	7	9	24	—	47
84	7	7	12	12	—	38
85	7	7	12	14	—	40
86	7	7	12	18	—	44
87	7	7	12	22	—	48
88	7	7	12	24	—	50
89	7	7	14	14	—	42
90	7	7	14	18	—	46
91	7	7	14	22	—	50
92	7	7	14	24	—	52
93	7	7	18	18	—	50
94	7	9	9	9	—	34
95	7	9	9	12	—	37
96	7	9	9	14	—	39
97	7	9	9	18	—	43
98	7	9	9	22	—	47
99	7	9	9	24	—	49
100	7	9	12	12	—	40
101	7	9	12	14	—	42
102	7	9	12	18	—	46
103	7	9	12	22	—	50
104	7	9	12	24	—	52
105	7	9	14	14	—	44
106	7	9	14	18	—	48
107	7	9	14	22	—	52

AOYG36KBTA5						
Combination no.	**Unit 1**	**Unit 2**	**Unit 3**	**Unit 4**	**Unit 5**	**Total**
108	7	9	14	24	—	54
109	7	9	18	18	—	52
110	7	12	12	12	—	43
111	7	12	12	14	—	45
112	7	12	12	18	—	49
113	7	12	14	14	—	47
114	7	12	14	18	—	51
115	7	14	14	14	—	49
116	7	14	14	18	—	53
117	9	9	9	9	—	36
118	9	9	9	12	—	39
119	9	9	9	14	—	41
120	9	9	9	18	—	45
121	9	9	9	22	—	49
122	9	9	9	24	—	51
123	9	9	12	12	—	42
124	9	9	12	14	—	44
125	9	9	12	18	—	48
126	9	9	12	22	—	52
127	9	9	12	24	—	54
128	9	9	14	14	—	46
129	9	9	14	18	—	50
130	9	9	18	18	—	54
131	9	12	12	12	—	45
132	9	12	12	14	—	47
133	9	12	12	18	—	51
134	9	12	14	14	—	49
135	9	12	14	18	—	53
136	9	14	14	14	—	51
137	12	12	12	12	—	48
138	12	12	12	14	—	50
139	12	12	12	18	—	54
140	12	12	14	14	—	52
141	12	14	14	14	—	54
142	7	7	7	7	7	35
143	7	7	7	7	9	37
144	7	7	7	7	12	40
145	7	7	7	7	14	42
146	7	7	7	7	18	46
147	7	7	7	7	22*	50
148	7	7	7	7	24	52
149	7	7	7	9	9	39
150	7	7	7	9	12	42
151	7	7	7	9	14	44
152	7	7	7	9	18	48
153	7	7	7	9	22*	52
154	7	7	7	9	24	54
155	7	7	7	12	12	45
156	7	7	7	12	14	47
157	7	7	7	12	18	51
158	7	7	7	14	14	49
159	7	7	7	14	18	53
160	7	7	9	9	9	41
161	7	7	9	9	12	44
162	7	7	9	9	14	46

4-5 UNIT MULTI-SPLIT TYPE

AOYG36KBTA5						
Combination no.	**Unit 1**	**Unit 2**	**Unit 3**	**Unit 4**	**Unit 5**	**Total**
163	7	7	9	9	18	50
164	7	7	9	9	22*	54
165	7	7	9	12	12	47
166	7	7	9	12	14	49
167	7	7	9	12	18	53
168	7	7	9	14	14	51
169	7	7	12	12	12	50
170	7	7	12	12	14	52
171	7	7	12	14	14	54
172	7	9	9	9	9	43
173	7	9	9	9	12	46
174	7	9	9	9	14	48
175	7	9	9	9	18	52
176	7	9	9	12	12	49
177	7	9	9	12	14	51
178	7	9	9	14	14	53
179	7	9	12	12	12	52
180	7	9	12	12	14	54
181	9	9	9	9	9	45
182	9	9	9	9	12	48
183	9	9	9	9	14	50
184	9	9	9	9	18	54
185	9	9	9	12	12	51
186	9	9	9	12	14	53
187	9	9	12	12	12	54

Numbers in column Unit 1 to 5 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 ....
*: As for the 22 model, wall-mounted type indoor unit is only connectable.

4-5 UNIT MULTI-SPLIT TYPE

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	m^3/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	Main1: 210 × 1,310 × 13.3 Main2: 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			
Drain hose		Material			PVC			
		Tip diameter		mm	Ø25 (I.D.), Ø32 (O.D.)			
Operation range		Cooling		°C	18 to 32			
				%RH	80 or less			
		Heating		°C	16 to 30			
Cassette grille (Grid type: Option)		Model name			UTG-UFYF-W			
		Material			Polystyrene			
		Color			White Approximate color of Munsell 9PB 9.1/0.2			
		Dimensions (H × W × D)	Net	mm	49 × 620 × 620			
			Gross		120 × 765 × 755			
		Weight	Net	kg	2.3			
			Gross		4.5			

NOTES:

- The protective function might work when using it outside the operation range.
- *: Sound pressure level:
  - These are the measured values in the manufacturer's anechoic chamber.
  - Because of the surrounding sound environment, the sound levels measured in actual installation conditions might be higher than the specified values here.

4-5 UNIT MULTI-SPLIT TYPE

Model name					AUXG18KVLA	AUXG22KVLA
Power supply					1Ø 230 V ~50 Hz	
Available voltage range					198—264 V	
Capacity				kW class	5.0	6.0
Input power				W	39	84
Running current				A	0.30	0.62
Fan	Airflow rate	Cooling	HIGH	m^3/h	680	830
			MED		580	740
			LOW		490	600
			QUIET		410	450
		Heating	HIGH		790	860
			MED		680	760
			LOW		580	700
			QUIET		450	530
	Type × Q'ty				Turbo fan × 1	
	Motor output			W	54	
Sound pressure level *		Cooling	HIGH	dB (A)	38	44
			MED		35	42
			LOW		32	36
			QUIET		29	30
		Heating	HIGH		43	45
			MED		38	43
			LOW		34	40
			QUIET		30	33
Sound power level		Cooling		dB (A)	50	56
		Heating			55	57
Heat exchanger type		Dimensions (H × W × D)		mm	Main1: 210 × 1,310 × 13.3 Main2: 210 × 1,250 × 13.3	Main1: 210 × 1,360 × 13.3 Main2: 210 × 1,295 × 13.3 Main3: 210 × 1,235 × 13.3
		Fin pitch			1.2	1.45
		Rows × Stages			Main1: 1 × 10 Main2: 1 × 10	Main1: 1 × 10 Main2: 1 × 10 Main3: 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	16
		Gross			19	20
Connection pipe		Size	Liquid	mm (in)	Ø6.35 (Ø1/4)	
			Gas		Ø12.70 (Ø1/2)	
		Method			Flare	
Drain hose		Material			PVC	
		Tip diameter		mm	Ø25 (I.D.), Ø32 (O.D.)	
Operation range		Cooling		°C	18 to 32	
				%RH	80 or less	
		Heating		°C	16 to 30	
Cassette grille (Grid type: Option)		Model name			UTG-UFYF-W	
		Material			Polystyrene	
		Color			White Approximate color of Munsell 9PB 9.1/0.2	
		Dimensions (H × W × D)	Net	mm	49 × 620 × 620	
			Gross		120 × 765 × 755	
		Weight	Net	kg	2.3	
			Gross		4.5	

NOTES:

- The protective function might work when using it outside the operation range.
- *: Sound pressure level:
  - These are the measured values in the manufacturer's anechoic chamber.
  - Because of the surrounding sound environment, the sound levels measured in actual installation conditions might be higher than the specified values here.

4-5 UNIT MULTI-SPLIT TYPE

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	m^3/h	550	600	650	800
			MED		440	450	490	640
			LOW		390	400	430	530
			QUIET		360	360	360	360
		Heating	HIGH		550	600	650	800
			MED		440	450	490	640
			LOW		390	400	430	530
			QUIET		360	360	360	360
	Type × Q'ty				Sirocco fan × 2			
	Motor output			W	75			
Recommended static pressure				Pa	0 to 30			0 to 50
Sound pressure level *		Cooling	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			
Drain hose		Material			Hard PVC			
		Tip diameter		mm	Ø25 (I.D.), Ø32 (O.D.)			
Operation range		Cooling		°C	18 to 32			
				%RH	80 or less			
		Heating		°C	16 to 30			

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.

4-5 UNIT
MULTI-SPLIT TYPE

Model name					ARXG18KSLAP
Power supply					1Ø 230 V ~ 50 Hz
Available voltage range					198—264 V
Capacity				kW class	5.0
Input power	Fan	HIGH		W	63
		MED			38
		LOW			22
		QUIET			19
Running current				A	0.49
Fan	Airflow rate	Cooling	HIGH	m^3/h	940
			MED		750
			LOW		540
			QUIET		480
		Heating	HIGH		940
			MED		750
			LOW		540
			QUIET		480
	Type × Q'ty				Sirocco fan × 3
	Motor output			W	80
Recommended static pressure				Pa	0 to 50
Sound pressure level *		Cooling	HIGH	dB (A)	33
			MED		29
			LOW		26
			QUIET		23
		Heating	HIGH		33
			MED		29
			LOW		26
			QUIET		23
Sound power level		Cooling		dB (A)	58
		Heating			59
Heat exchanger type		Dimensions (H × W × D)		mm	336 × 690 × 26.6
		Fin pitch			1.30
		Rows × Stages			2 × 16
		Pipe type			Copper tube
		Fin type			Aluminum
Enclosure		Material			Steel sheet
		Color			—
Dimensions (H × W × D)		Net		mm	198 × 900 × 450
		Gross			250 × 1,130 × 580
Weight		Net		kg	18.5
		Gross			23.0
Connection pipe		Size	Liquid	mm (in)	Ø6.35 (Ø1/4)
			Gas		Ø12.7 (Ø1/2)
		Method			Flare
Drain hose		Material			PVC
		Tip diameter		mm	Ø25 (I.D.), Ø32 (O.D.)
Operation range		Cooling		°C	18 to 32
				%RH	80 or less
		Heating		°C	16 to 30

NOTES:

- Values mentioned in the table are based on the following conditions:
  - Static pressure: 15 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.

4-5 UNIT MULTI-SPLIT TYPE

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	m^3/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			
Drain hose	Material				PVC			
	Tip diameter			mm	Ø25 (I.D.), Ø32 (O.D.)			
Operation range		Cooling		°C	18 to 32			
				%RH	80 or less			
		Heating		°C	16 to 30			

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.

4-5 UNIT MULTI-SPLIT TYPE

Model name					ARXG18KLLAP
Power supply					1Ø 230 V ~50 Hz
Available voltage range					198—264 V
Capacity				kW class	5.0
Input power				W	73
Running current				A	0.44
Fan	Airflow rate	Cooling	HIGH	m^3/h	940
			MED		880
			LOW		820
			QUIET		750
		Heating	HIGH		940
			MED		880
			LOW		820
			QUIET		750
	Type × Q'ty				Sirocco fan × 3
	Motor output			W	81
Recommended static pressure				Pa	0 to 90
Sound pressure level *		Cooling	HIGH	dB (A)	32
			MED		30
			LOW		29
			QUIET		27
		Heating	HIGH		32
			MED		30
			LOW		29
			QUIET		27
Sound power level		Cooling		dB (A)	58
		Heating			58
Heat exchanger type		Dimensions (H × W × D)		mm	294 × 700 × 39.9
		Fin pitch		mm	1.3
		Rows × Stages			3 × 14
		Pipe type			Copper tube
		Fin type			Aluminum
Enclosure	Material				Steel sheet
	Color				—
Dimensions (H × W × D)	Net			mm	198 × 900 × 620
	Gross				276 × 1,168 × 772
Weight	Net			kg	20
	Gross				26
Connection pipe	Size	Liquid		mm (in)	Ø6.35 (Ø1/4)
		Gas			Ø12.70 (Ø1/2)
	Method				Flare
Drain hose	Material				PVC
	Tip diameter			mm	Ø25 (I.D.), Ø32 (O.D.)
Operation range		Cooling		°C	18 to 32
				%RH	80 or less
		Heating		°C	16 to 30

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.

4-5 UNIT MULTI-SPLIT TYPE

2-4. Medium static pressure duct type

Model name					ARXG22KMLB
Power supply					1Ø 230 V ~50 Hz
Available voltage range					198—264 V
Capacity				kW class	6.0
Input power				W	94
Running current				A	0.60
Fan	Airflow rate	Cooling	HIGH	m^3/h	1,100
			MED		910
			LOW		750
			QUIET		580
		Heating	HIGH		1,100
			MED		910
			LOW		750
			QUIET		580
	Type × Q'ty				Sirocco fan × 2
	Motor output			W	106
Recommended static pressure				Pa	30 to 150
Sound pressure level *		Cooling	HIGH	dB (A)	31
			MED		29
			LOW		27
			QUIET		25
		Heating	HIGH		31
			MED		29
			LOW		27
			QUIET		25
Sound power level		Cooling		dB (A)	60
		Heating			62
Heat exchanger type		Dimensions (H × W × D)		mm	294 × 1,000 × 39.9
		Fin pitch		mm	1.40
		Rows × Stages			3 × 14
		Pipe type			Copper tube
		Fin type			Aluminum
Enclosure	Material				Steel sheet
	Color				—
Dimensions (H × W × D)	Net			mm	270 × 1,135 × 700
	Gross				300 × 1,320 × 790
Weight	Net			kg	35
	Gross				43
Connection pipe	Size	Liquid		mm (in)	Ø6.35 (Ø1/4)
		Gas			Ø12.70 (Ø1/2)
	Method				Flare
Operation range		Cooling		°C	18 to 32
				%RH	80 or less
		Heating		°C	16 to 30
Drain hose	Material				Steel
	Size			mm	Ø 35.7 (I.D.), Ø 38.1 (O.D.)

NOTES:

- Specifications are based on the following conditions:
  - Cooling: Indoor temperature of 27 °CDB/19 °CWB, and outdoor temperature of 35 °CDB/24 °CWB.
  - Heating: Indoor temperature of 20 °CDB/15 °CWB, and outdoor temperature of 7 °CDB/6 °CWB.
  - Standard static pressure: 35 Pa.
  - Pipe length: 5 m, Height difference: 0 m. (Between outdoor unit and indoor unit.)
- Protective function might work when using it outside the operation range.
- *1: Maximum 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.
- *3: Available on Google Play™ store or on App Store®. Optional WLAN adapter is also required. For details, refer to the setting manual.

4-5 UNIT MULTI-SPLIT TYPE

2-5. Wall mounted type

Model name					ASYG07KGTB	ASYG09KGTB	ASYG12KGTB	ASYG14KGTB
Power supply					1Ø 230 V ~50 Hz			
Available voltage range					198—264 V			
Capacity				kW class	2.0	2.5	3.5	4.0
Input power				W	23	27	27	33
Running current				A	0.20	0.24	0.24	0.29
Fan	Airflow rate	Cooling	HIGH	m^3/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			
		Tip diameter		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					ASYG18KMTB	ASYG22KMTB	ASYG24KMTB
Power supply					1Ø 230 V ~50 Hz		
Available voltage range					198—264 V		
Capacity				kW class	5.0	6.0	7.0
Input power				W	37.5	47.0	61.6
Running current				A	0.35	0.39	0.44
Fan	Airflow rate	Cooling	HIGH	m^3/h	980	1,060	1,170
			MED		810	810	850
			LOW		640	640	640
			QUIET		510	510	510
		Heating	HIGH		1,020	1,060	1,170
			MED		850	850	850
			LOW		640	640	640
			QUIET		510	510	510
	Type × Q'ty				Cross flow fan × 1		
	Motor output			W	59	59	59
Sound pressure level *1		Cooling	HIGH	dB (A)	45	48	49
			MED		40	40	40
			LOW		35	35	35
			QUIET		29	29	29
		Heating	HIGH		46	48	49
			MED		40	40	40
			LOW		35	35	35
			QUIET		29	29	29
Sound power level		Cooling		dB (A)	60	62	65
		Heating			61	62	65
Heat exchanger type		Dimensions (H × W × D)		mm	Main1: 210 × 798 × 26.6 Main2: 135 × 798 × 20.0 Sub1: 84 × 798 × 13.3 Sub2: 84 × 798 × 13.3		
		Fin pitch		mm	Main1: 1.2, Main2: 1.1 Sub1: 1.4, Sub2: 1.4		
		Rows × Stages			Main1: 2 × 10 Main2: 2 × 8 Sub1: 1 × 4 Sub2: 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	280 × 980 × 240		
		Gross			322 × 1,078 × 346		
Weight		Net		kg	12.5		
		Gross			18		
Connection pipe		Size	Liquid	mm (in)	Ø6.35 (Ø1/4)		
			Gas		Ø12.70 (Ø1/2)		
		Method			Flare		
Drain hose		Material			PP + HDPE		
		Tip diameter		mm	Ø13.8 (I.D.), Ø 15.8 to Ø 16.7 (O.D)		
Operation range		Cooling		°C	18 to 32		
				%RH	80 or less		
		Heating		°C	16 to 30		
Remote controller type					Wireless remote controller (Option: Wired remote controller, 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.

4-5 UNIT
MULTI-SPLIT TYPE

Model name					ASYG07KMTB	ASYG09KMTB	ASYG12KMTB	ASYG14KMTB
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	m^3/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 × 222			
		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.

4-5 UNIT MULTI-SPLIT TYPE

Model name					ASYG07KMCC	ASYG09KMCC	ASYG12KMCC	ASYG14KMCC
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	m^3/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	27			
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 × 222			
		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			
		Tip diameter		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 (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.

4-5 UNIT MULTI-SPLIT TYPE

Model name					ASYG07KETA ASYG07KETA-B	ASYG09KETA ASYG09KETA-B	ASYG12KETA ASYG12KETA-B	ASYG14KETA ASYG14KETA-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	m^3/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			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			
		Tip diameter		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.

4-5 UNIT MULTI-SPLIT TYPE

2-6. Ceiling type

Model name					ABYG18KRTA	ABYG22KRTA
Power supply					1Ø 230 V ~50 Hz	
Available voltage range					198—264 V	
Capacity				kW class	5.0	6.0
Input power				W	37	46
Running current				A	0.21	0.25
Fan	Airflow rate	Cooling	HIGH	m^3/h	840	900
			MED		790	790
			LOW		710	710
			QUIET		650	650
		Heating	HIGH		840	900
			MED		790	790
			LOW		710	710
			QUIET		650	650
	Type × Q'ty				Sirocco × 2	
	Motor output			W	50	50
Sound pressure level *		Cooling	HIGH	dB (A)	38	42
			MED		36	37
			LOW		33	34
			QUIET		31	31
		Heating	HIGH		38	42
			MED		36	37
			LOW		33	34
			QUIET		31	31
Sound power level		Cooling		dB (A)	53	57
		Heating			53	57
Heat exchanger type		Dimensions (H × W × D)		mm	294 × 715 × 39.9	
		Fin pitch		mm	1.30	
		Rows × Stages			3 × 14	
		Pipe type			Copper	
		Fin type			Aluminum	
Enclosure	Material				Steel sheet	
	Color				White Approximate color of Munsell N9.25/	
Dimensions (H × W × D)	Net			mm	235 × 1,080 × 705	
	Gross				330 × 1,165 × 825	
Weight	Net			kg	24	24
	Gross				33	33
Connection pipe	Size	Liquid		mm (in)	Ø6.35 (Ø1/4)	
		Gas			Ø12.70 (Ø1/2)	
	Method				Flare	
Drain hose	Material				PVC	
	Tip diameter			mm	Ø25 (I.D.), Ø32 (O.D.)	
Operation range		Cooling		°C	18 to 32	
				%RH	80 or less	
		Heating		°C	16 to 30	
Remote controller type					Wired remote controller, Wireless remote controller, Mobile app*3 (FGLair™)	

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.

4-5 UNIT MULTI-SPLIT TYPE

2-7. Floor type

Model name					AGYG09KVCA	AGYG12KVCA	AGYG14KVCA
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	m^3/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.

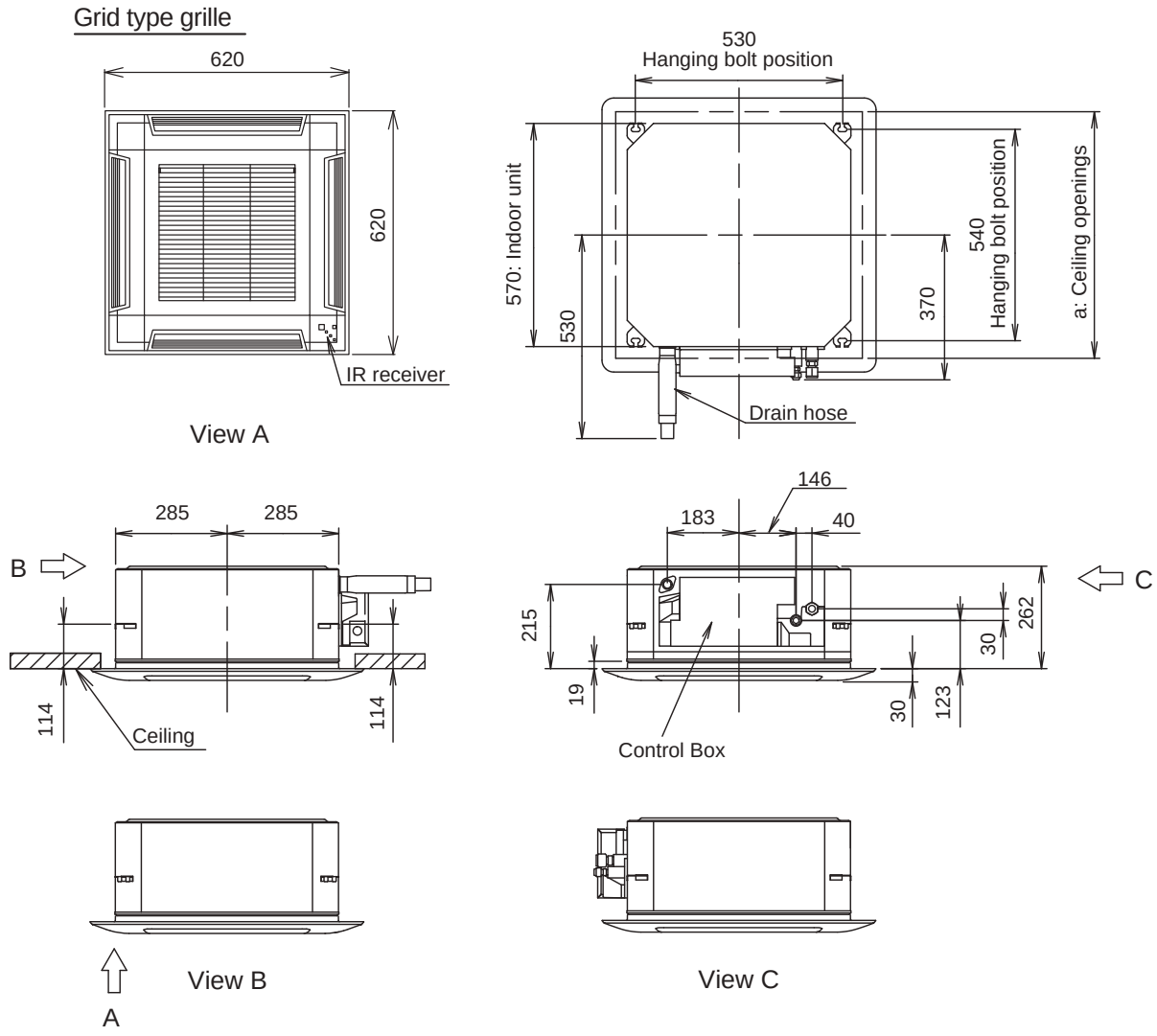
4-5 UNIT
MULTI-SPLIT TYPE

3. Dimensions

3-1. Compact cassette type

■ Models: AUXG07KVLA, AUXG09KVLA, AUXG12KVLA, AUXG14KVLA, AUXG18KVLA, and AUXG22KVLA

Unit: mm

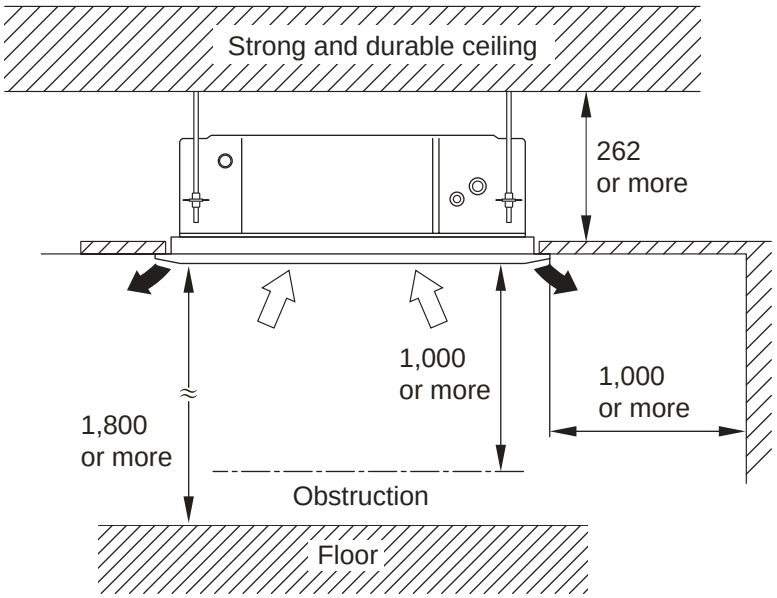


a: Ceiling openings		
Cassette grille (Option [Grid type])	mm	580 to 610

4-5 UNIT
MULTI-SPLIT TYPE

● Installation space requirement

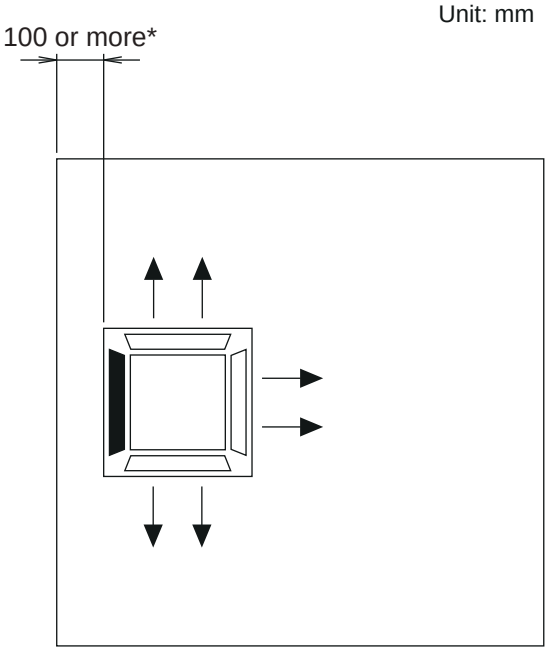
Unit: mm



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



NOTES:

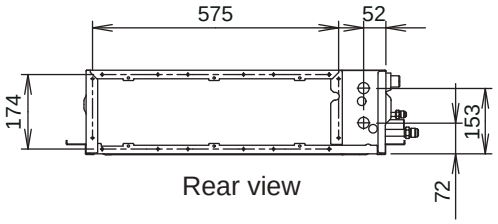
- To set “3-direction”, optional Air outlet shutter plate (UTR-YDZB) must be installed, and the “outlet-direction” need to be switched to “3-way” by remote controller.
  *When installing the indoor unit, be careful about the maintenance space.
- In 3-way outlet mode, changing of ceiling height setting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

4-5 UNIT
MULTI-SPLIT TYPE

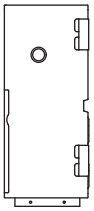
3-2. Mini duct type

■ Models: ARXG07KSLAP, ARXG09KSLAP, ARXG12KSLAP, and ARXG14KSLAP

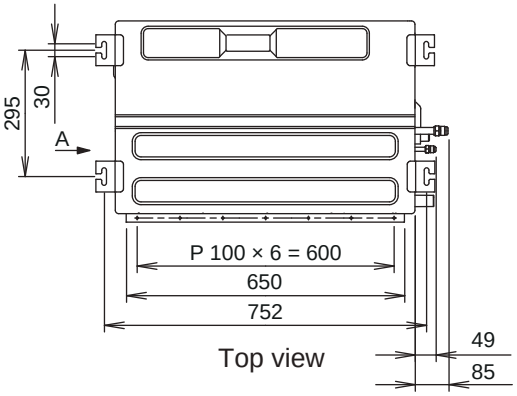
Unit: mm



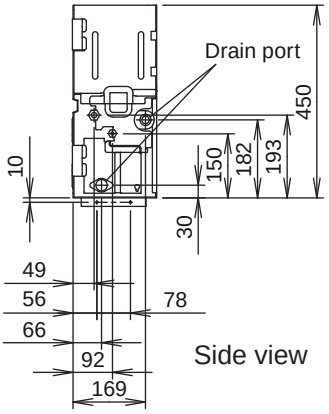
Rear view



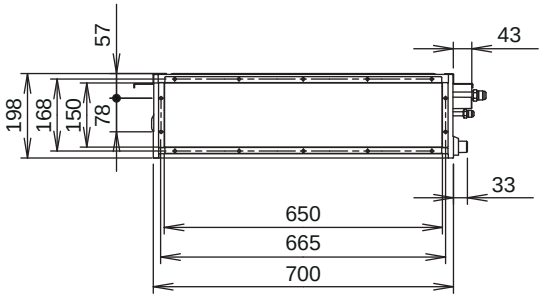
View A



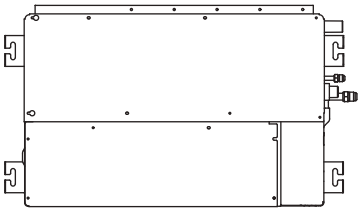
Top view



Side view



Front view

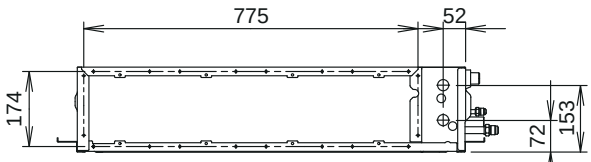


Bottom view

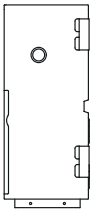
4-5 UNIT
MULTI-SPLIT TYPE

■ Model: ARXG18KSLAP

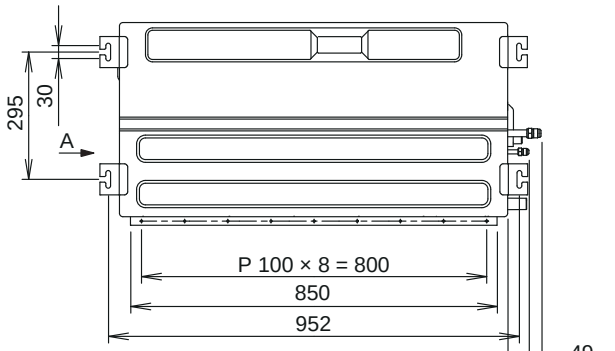
Unit: mm



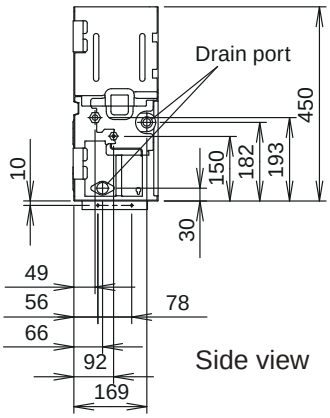
Rear view



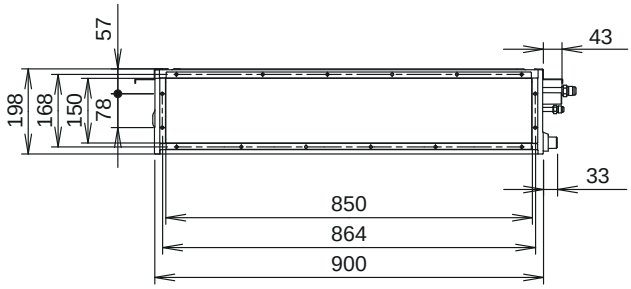
View A



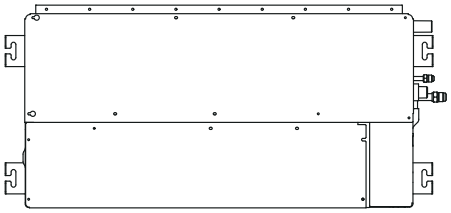
Top view



Side view



Front view



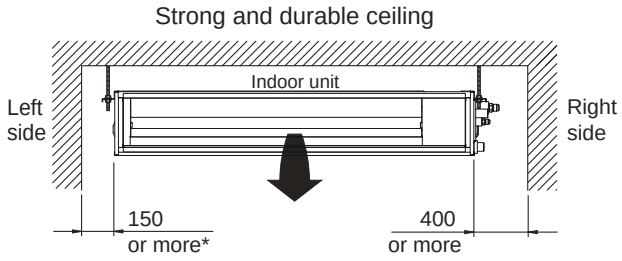
Bottom view

4-5 UNIT
MULTI-SPLIT TYPE

● Installation space requirement

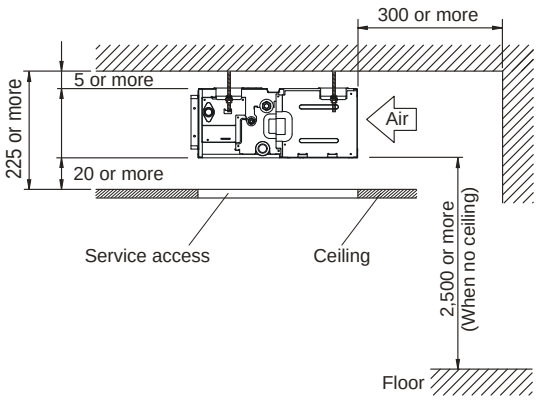
Provide sufficient installation space for product safety.

Unit: mm

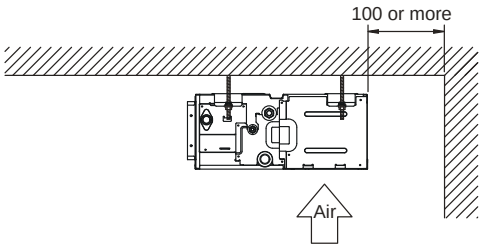


*: 400 or more when drain from drain pipe

- **When intaking air from back:**



- **When intaking air from bottom:**

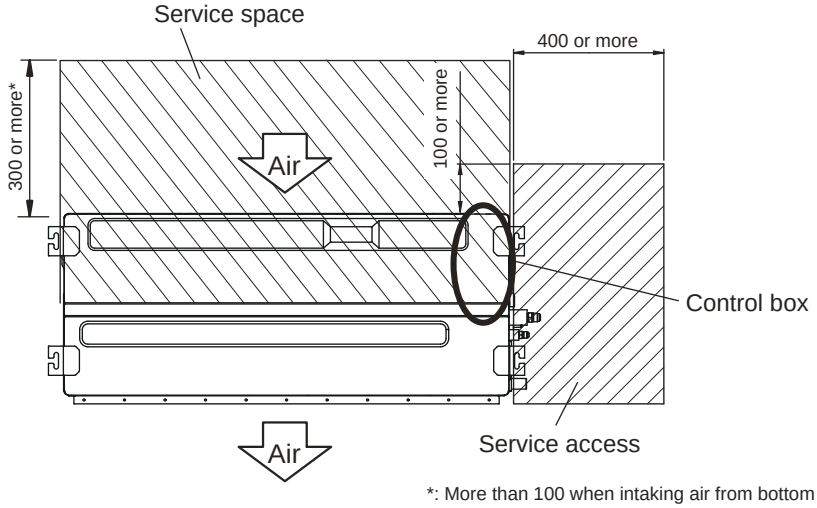


● Maintenance space requirement

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

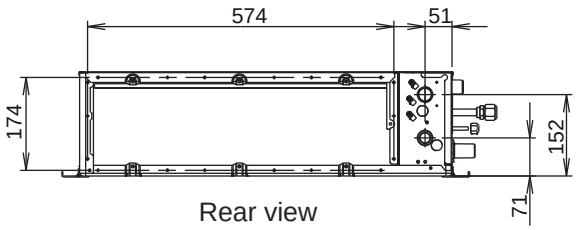
Top view

4-5 UNIT MULTI-SPLIT TYPE

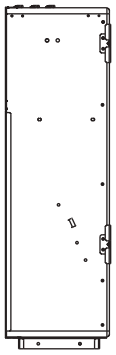
3-3. Slim duct type

■ Models: ARXG07KLLAP, ARXG09KLLAP, ARXG12KLLAP, and ARXG14KLLAP

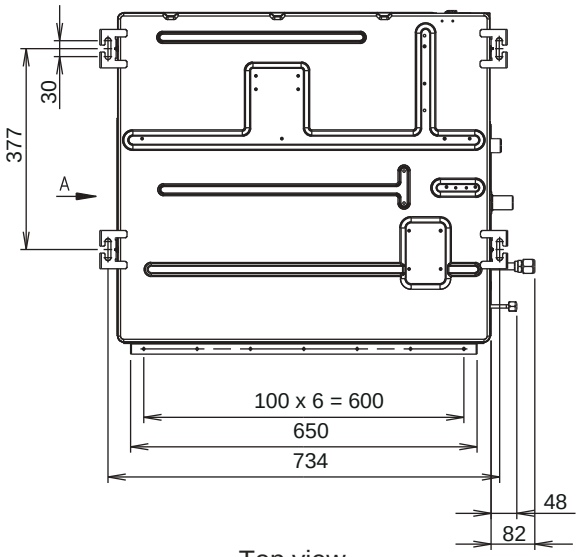
Unit: mm



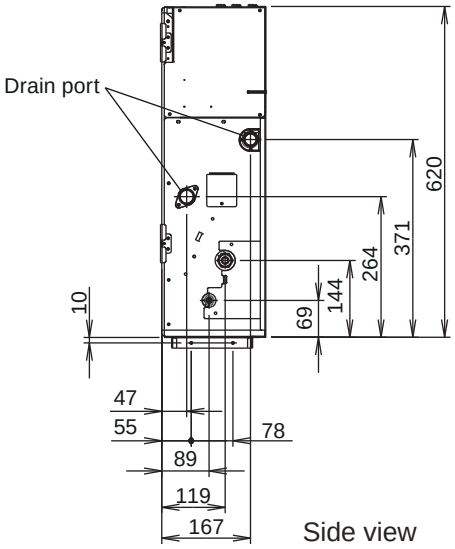
Rear view



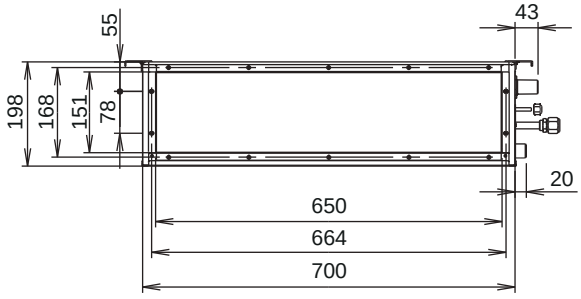
View A



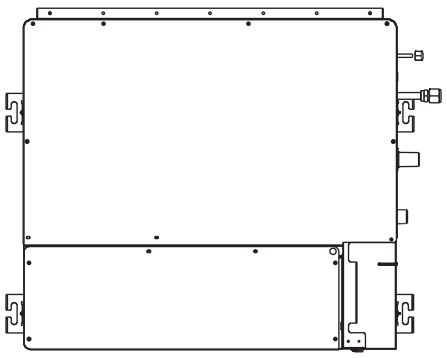
Top view



Side view



Front view

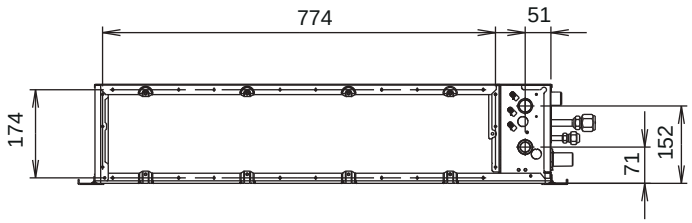


Bottom view

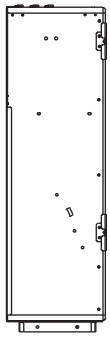
4-5 UNIT
MULTI-SPLIT TYPE

■ Model: ARXG18KLLAP

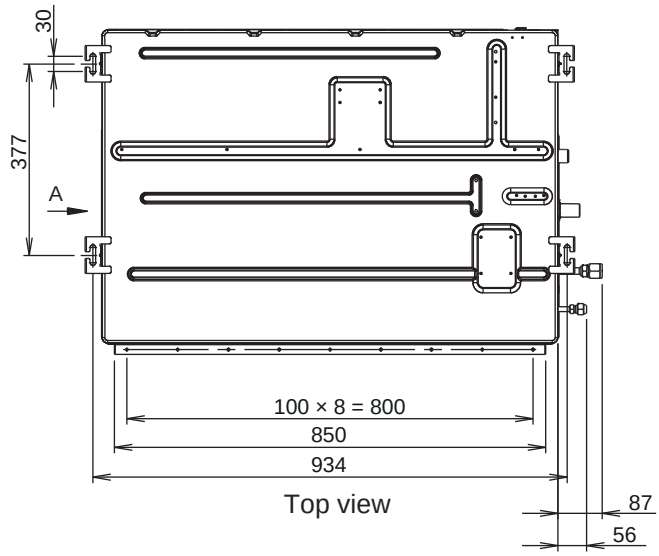
Unit: mm



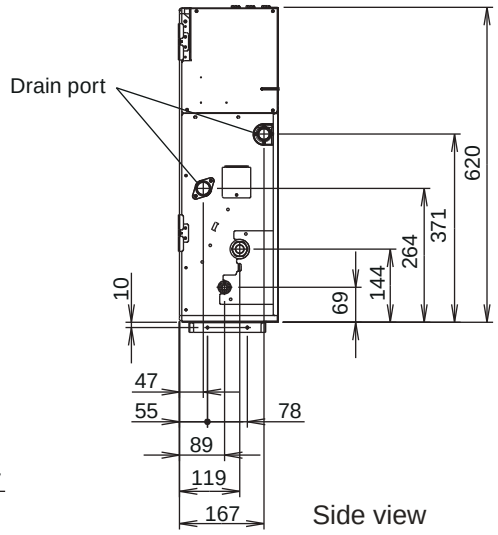
Rear view



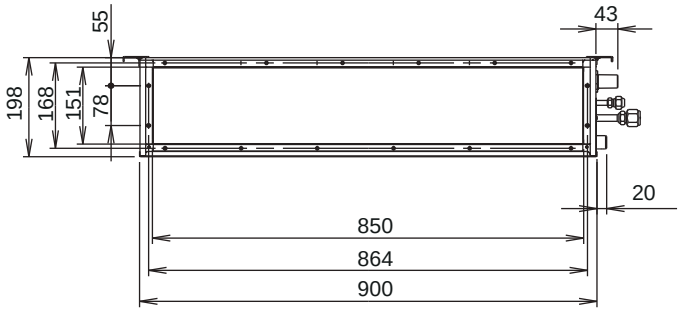
View A



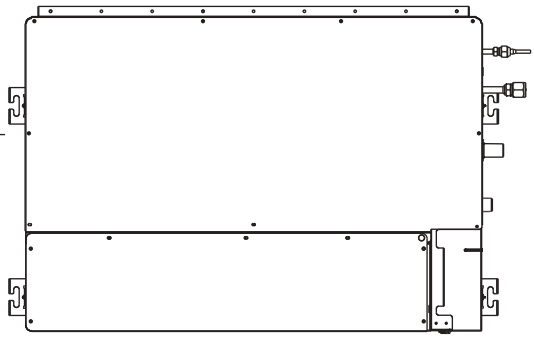
Top view



Side view



Front view



Bottom view

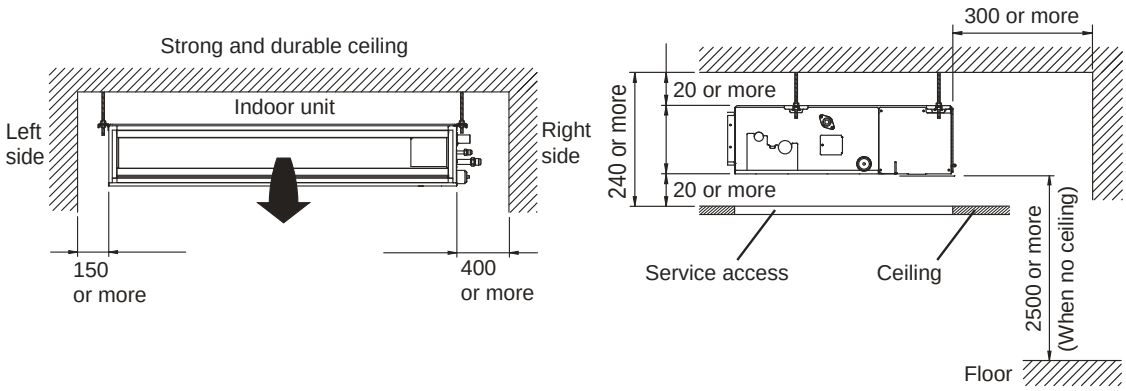
4-5 UNIT
MULTI-SPLIT TYPE

● Installation space requirement

Provide sufficient installation space for product safety.

In ceiling-concealed installations:

Unit: mm

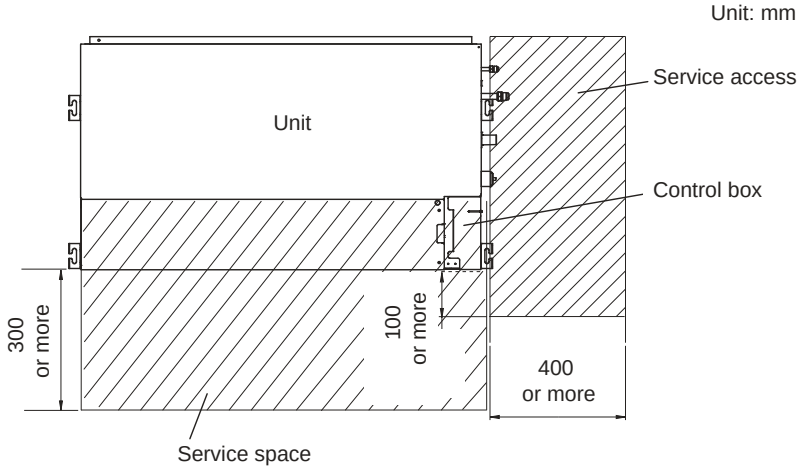


● Maintenance space requirement

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

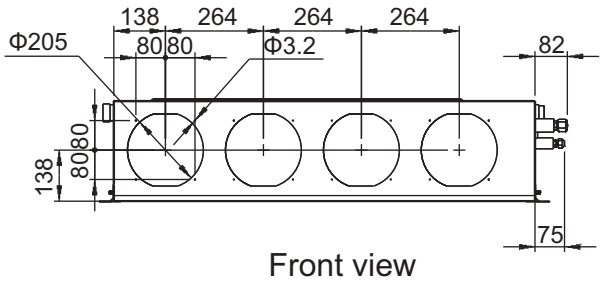


4-5 UNIT
MULTI-SPLIT TYPE

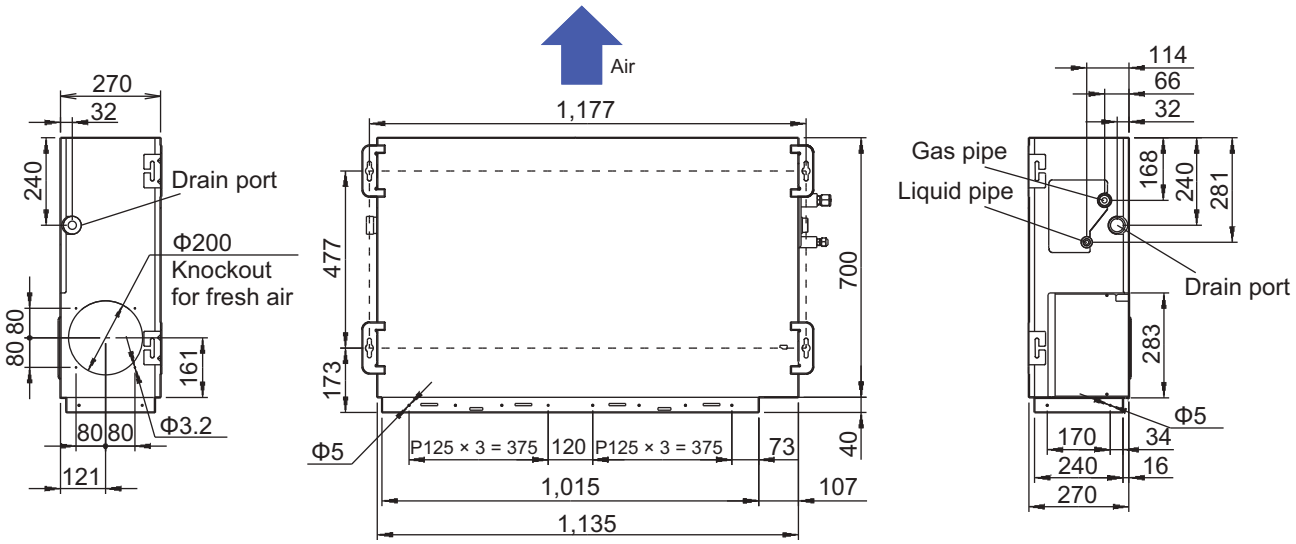
3-4. Medium static pressure duct type

■ Model: ARXG22KMLB

Unit: mm



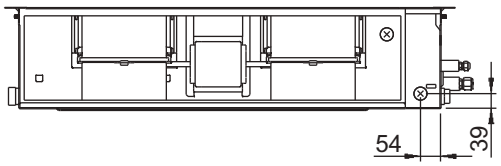
Front view



Side view (L)

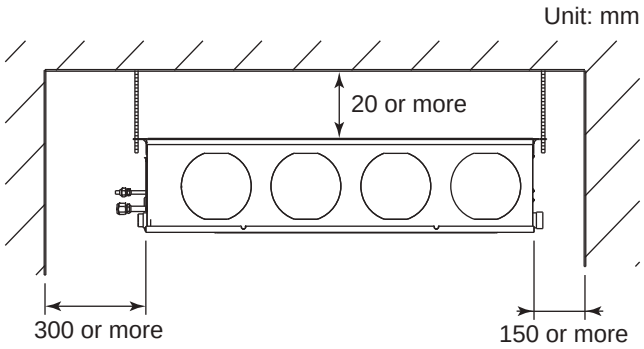
Top view

Side view (R)



Rear view

● Installation space requirement

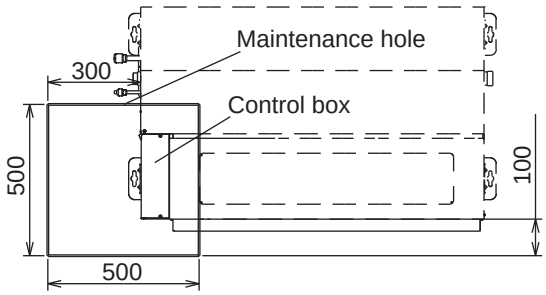


4-5 UNIT
MULTI-SPLIT TYPE

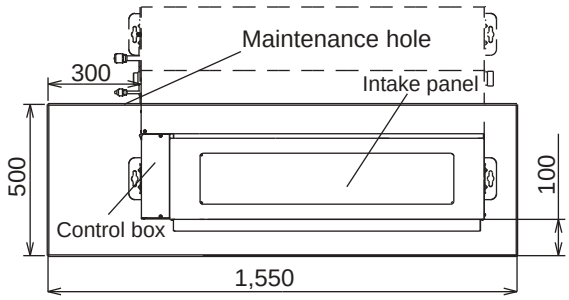
● Maintenance space requirement

Unit: mm

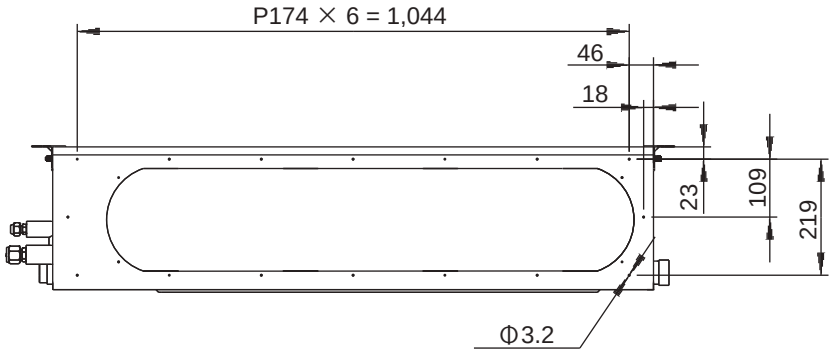
- Provide a service access for maintenance purposes.



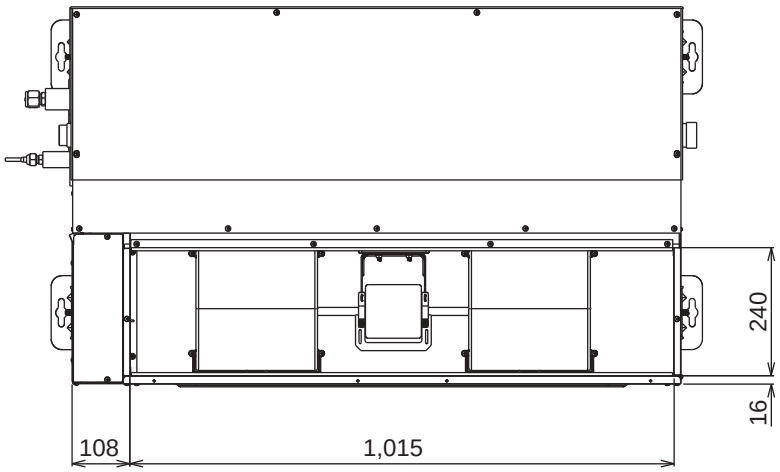
- The service access necessary for fan units and filter maintenance.



- When using a square duct



- Bottom air intake hole

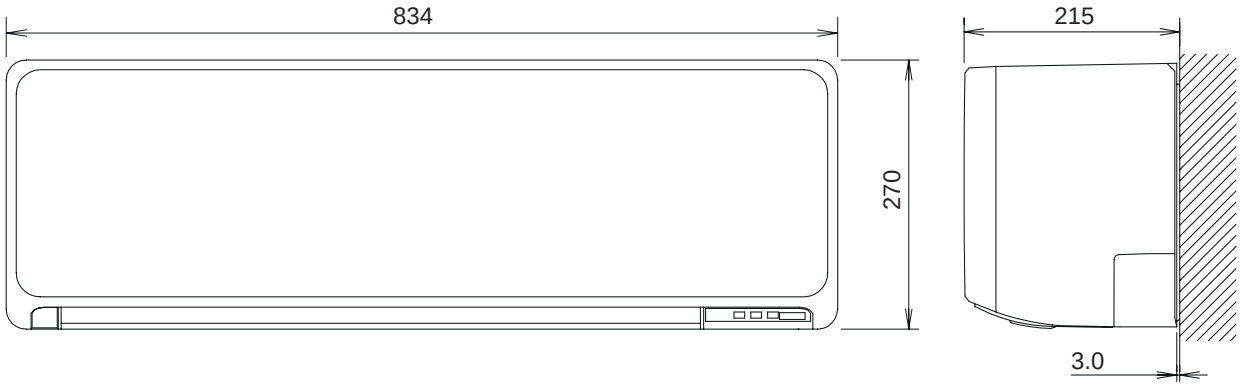


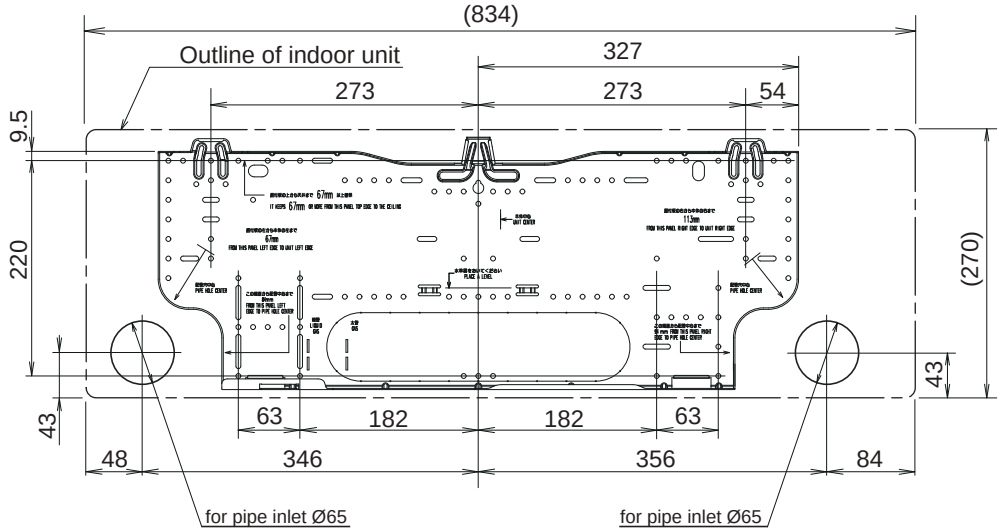
4-5 UNIT
MULTI-SPLIT TYPE

3-5. Wall mounted type

■ Models: ASYG07KGTB, ASYG09KGTB, ASYG12KGTB, and ASYG14KGTB

Unit: mm



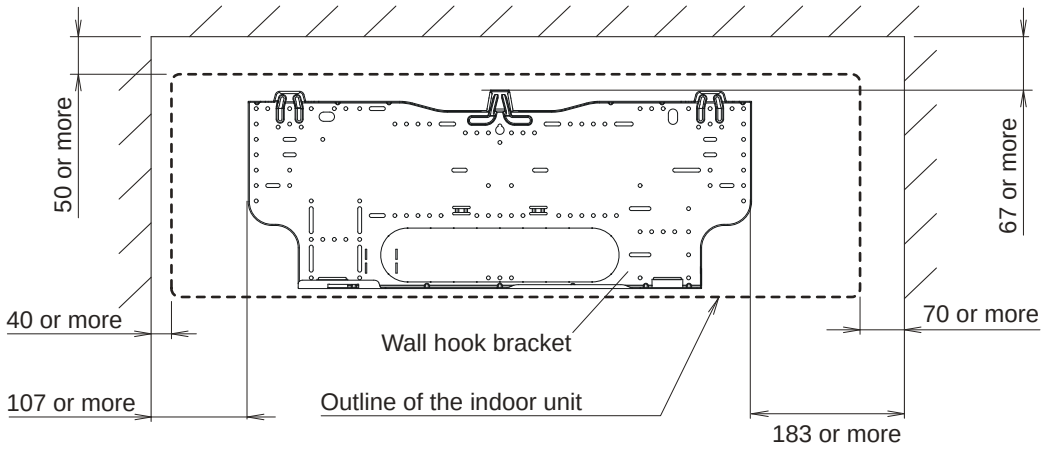


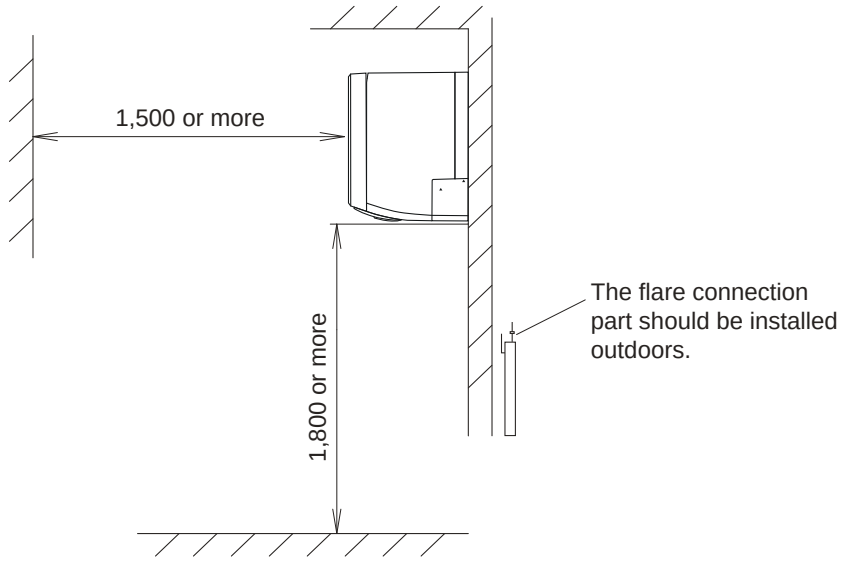
4-5 UNIT
MULTI-SPLIT TYPE

● Installation space requirement

Provide sufficient installation space for product safety.

Unit: mm

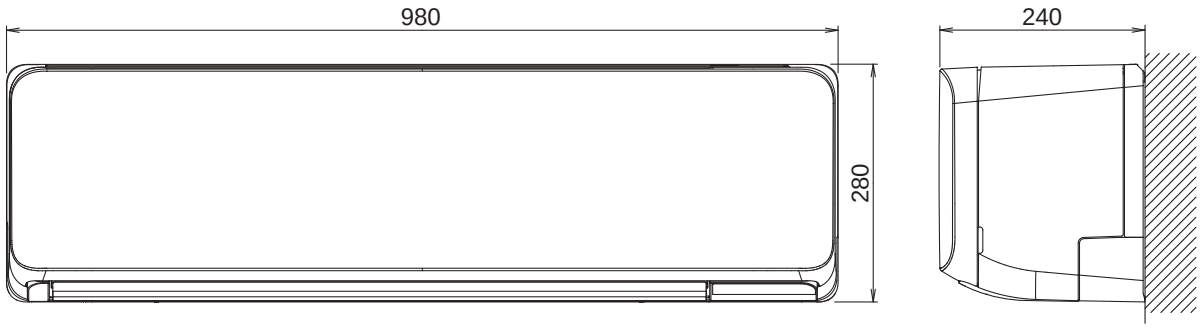


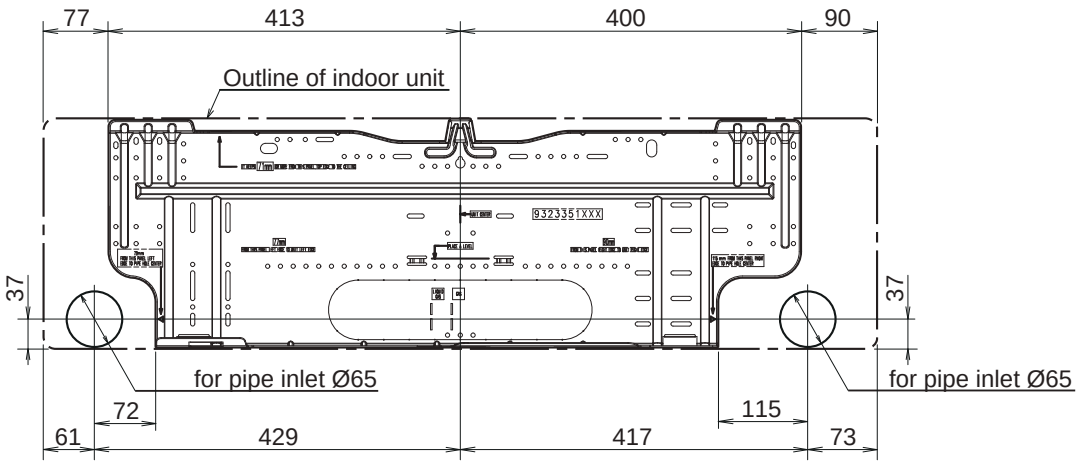


4-5 UNIT
MULTI-SPLIT TYPE

■ Models: ASYG18KMTB, ASYG22KMTB, and ASYG24KMTB

Unit: mm



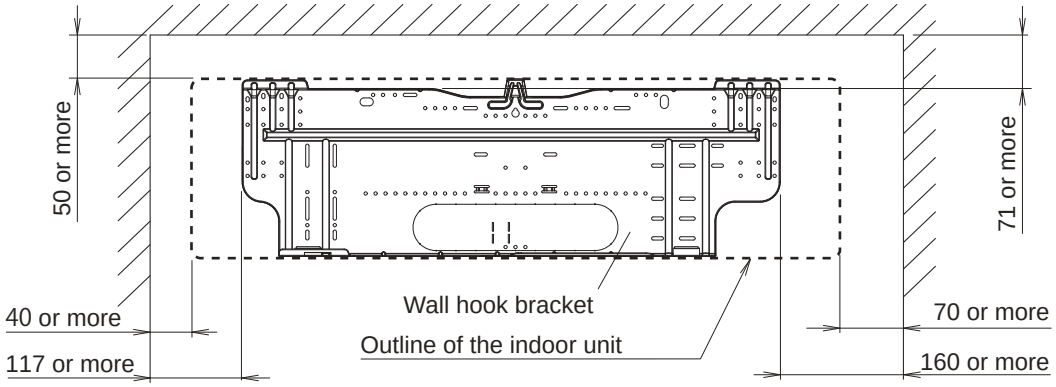


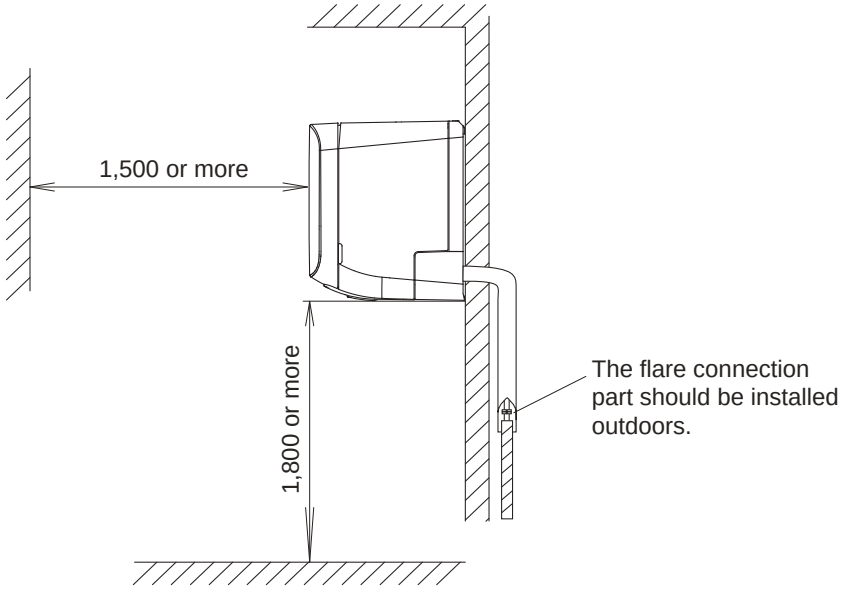
4-5 UNIT
MULTI-SPLIT TYPE

● Installation space requirement

Provide sufficient installation space for product safety.

Unit: mm

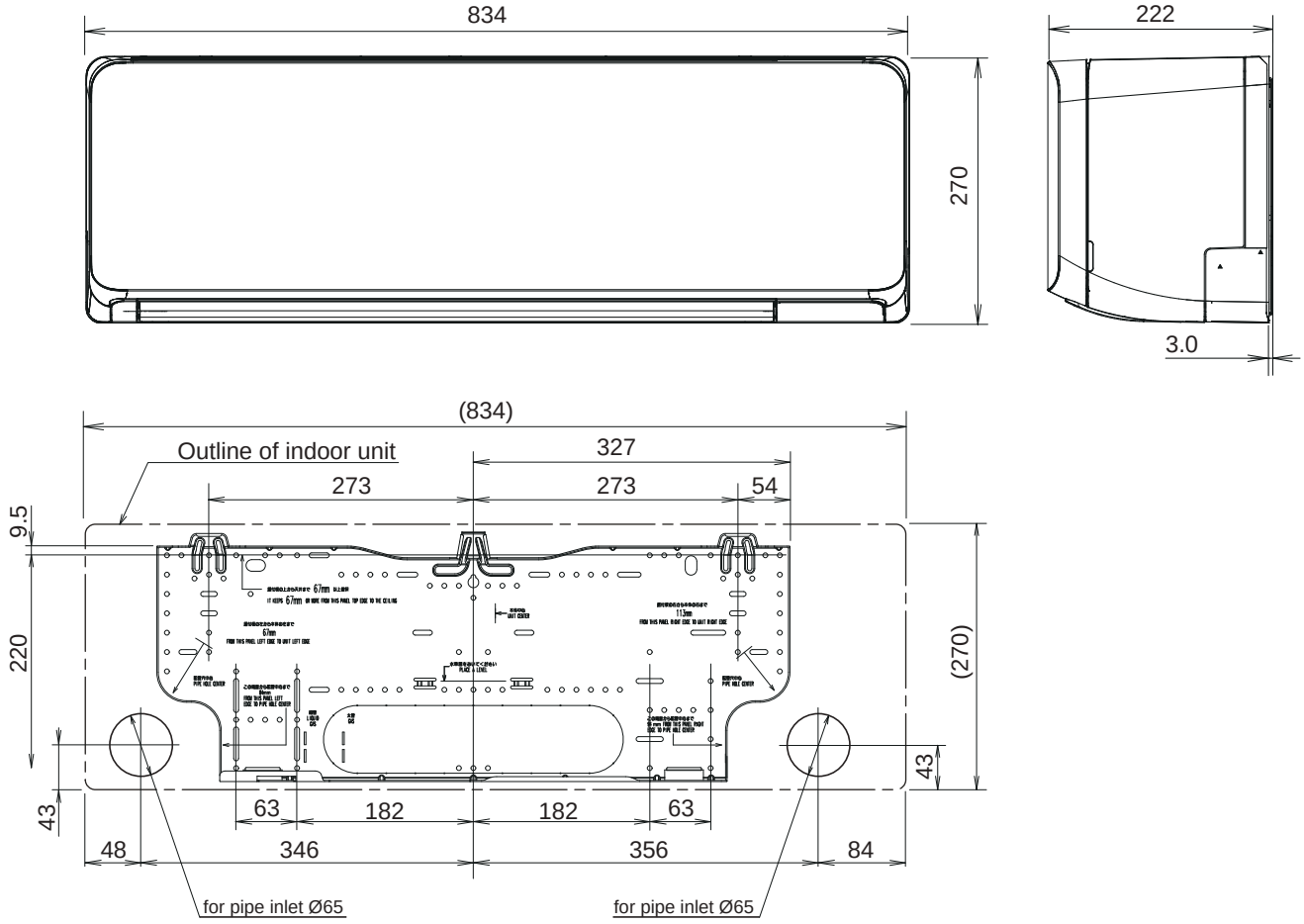




4-5 UNIT
MULTI-SPLIT TYPE

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

Unit: mm

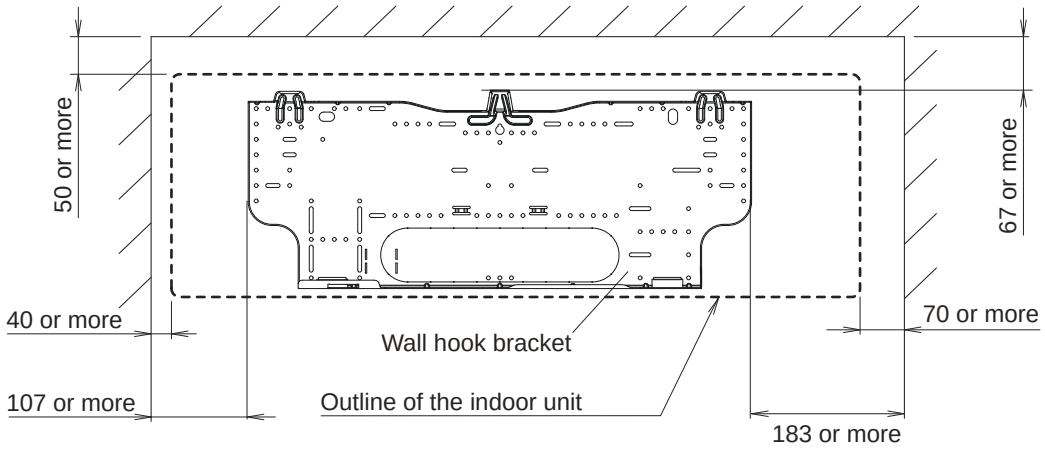


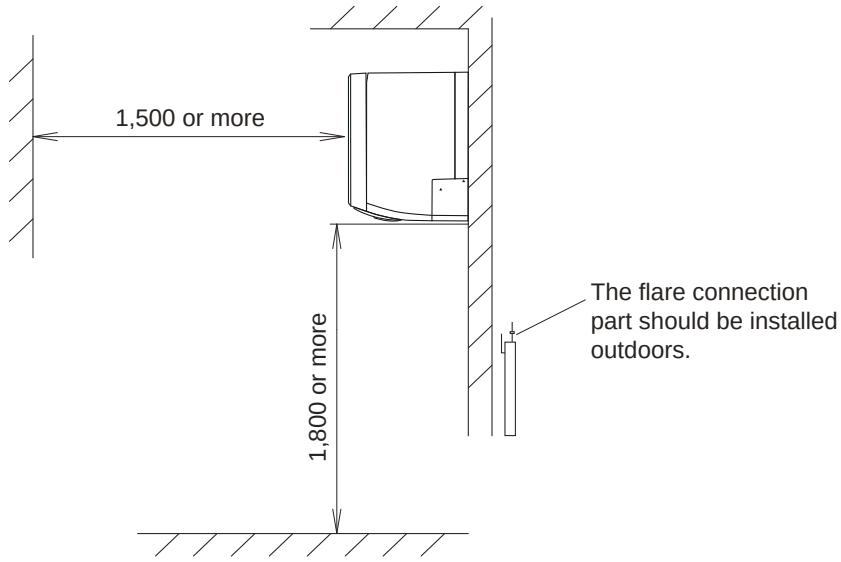
4-5 UNIT
MULTI-SPLIT TYPE

● Installation space requirement

Provide sufficient installation space for product safety.

Unit: mm

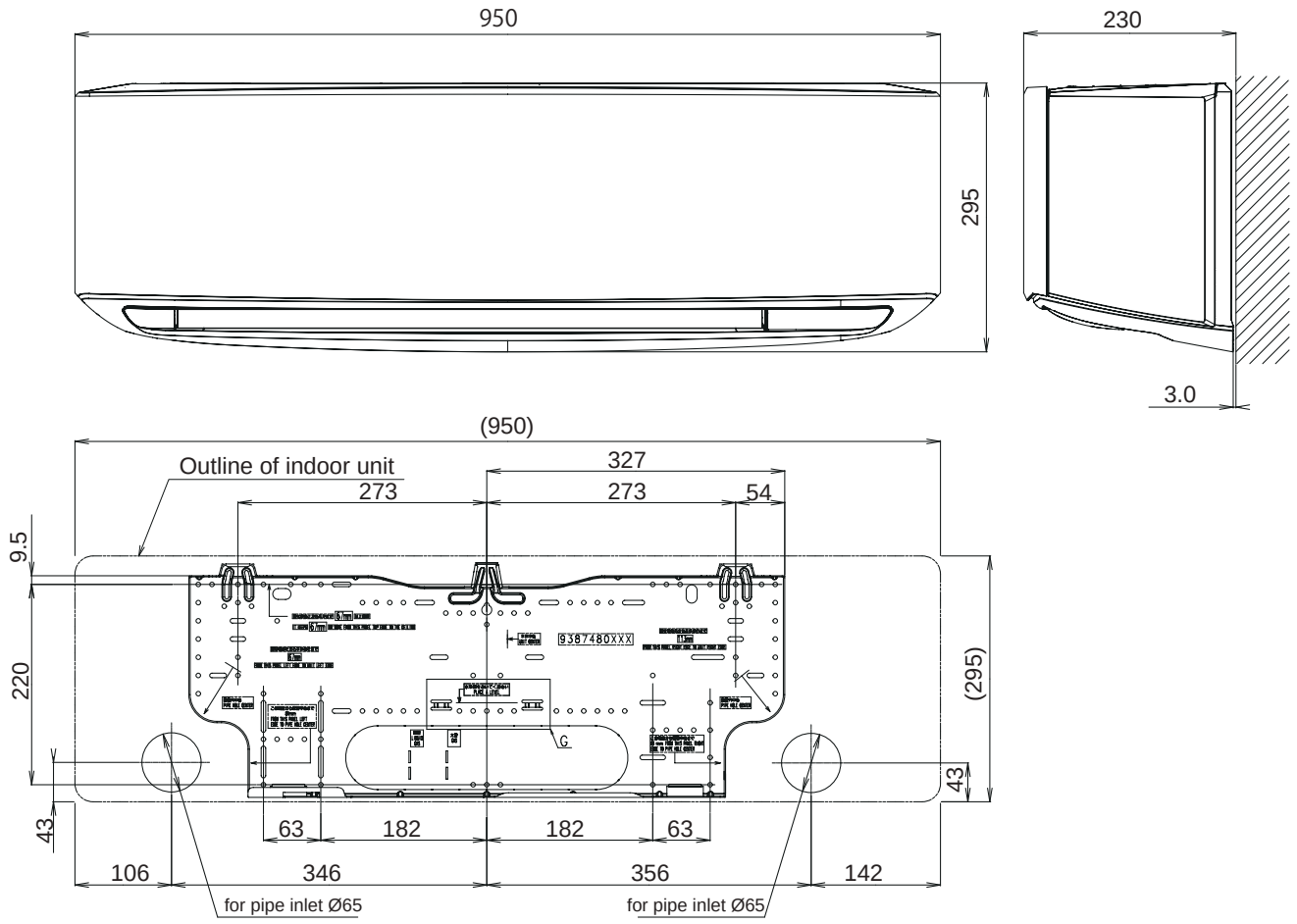




4-5 UNIT
MULTI-SPLIT TYPE

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

Unit: mm

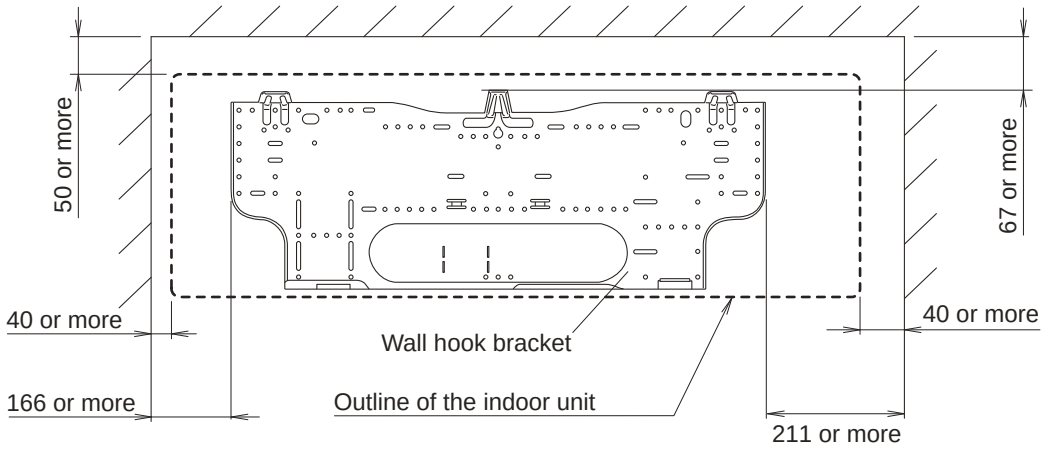


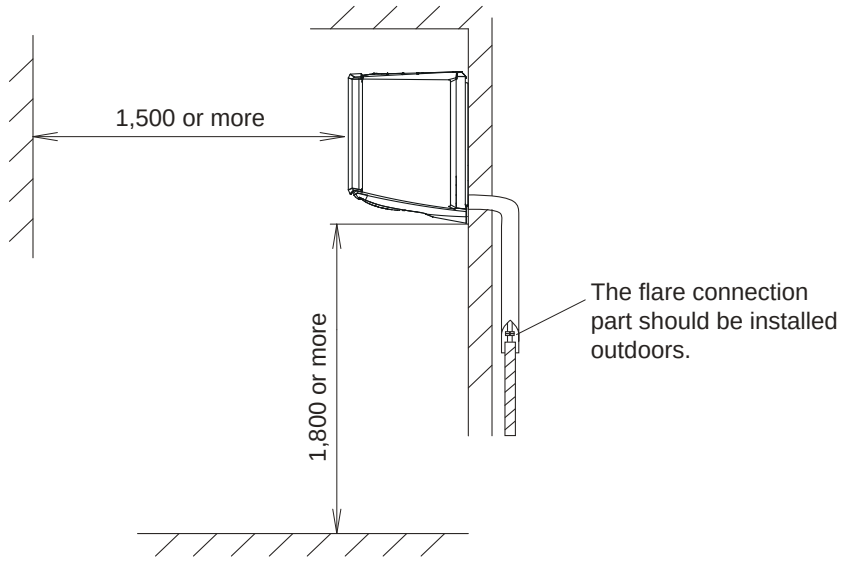
4-5 UNIT
MULTI-SPLIT TYPE

● Installation space requirement

Provide sufficient installation space for product safety.

Unit: mm



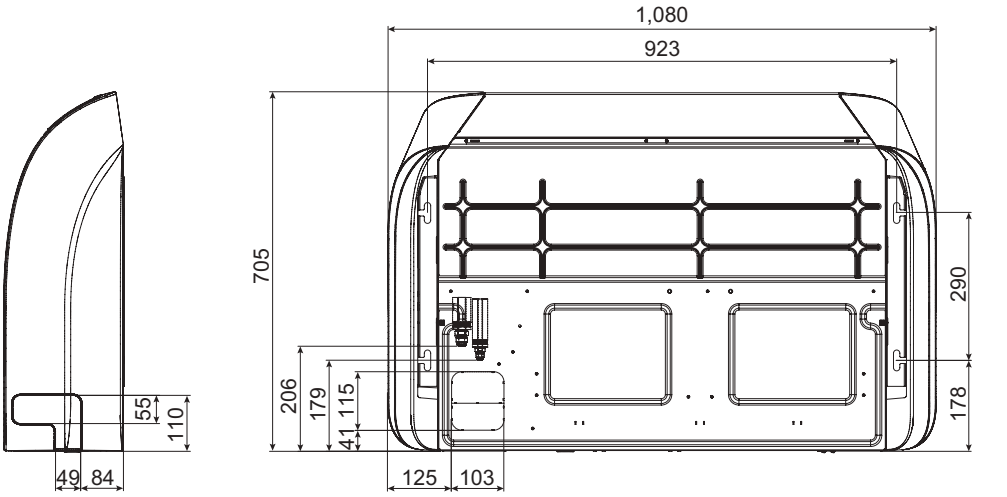


4-5 UNIT
MULTI-SPLIT TYPE

3-6. Ceiling type

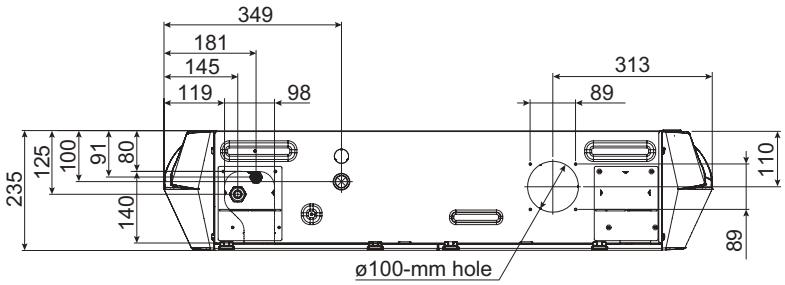
■ Models: ABYG18KRTA and ABYG22KRTA

Unit: mm

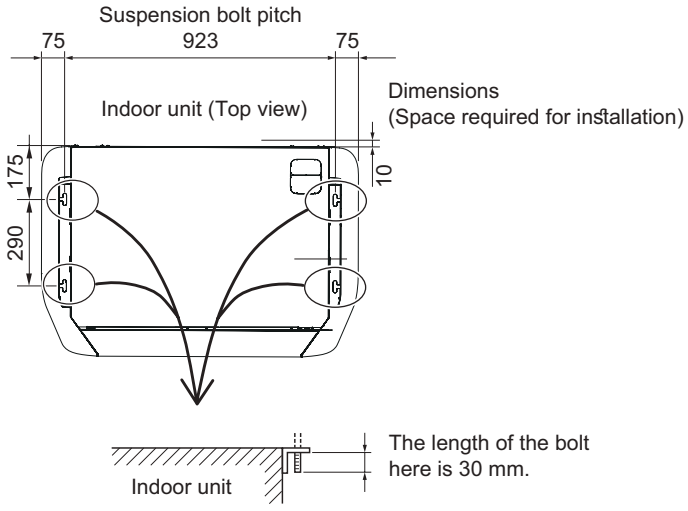


Side view

Top view



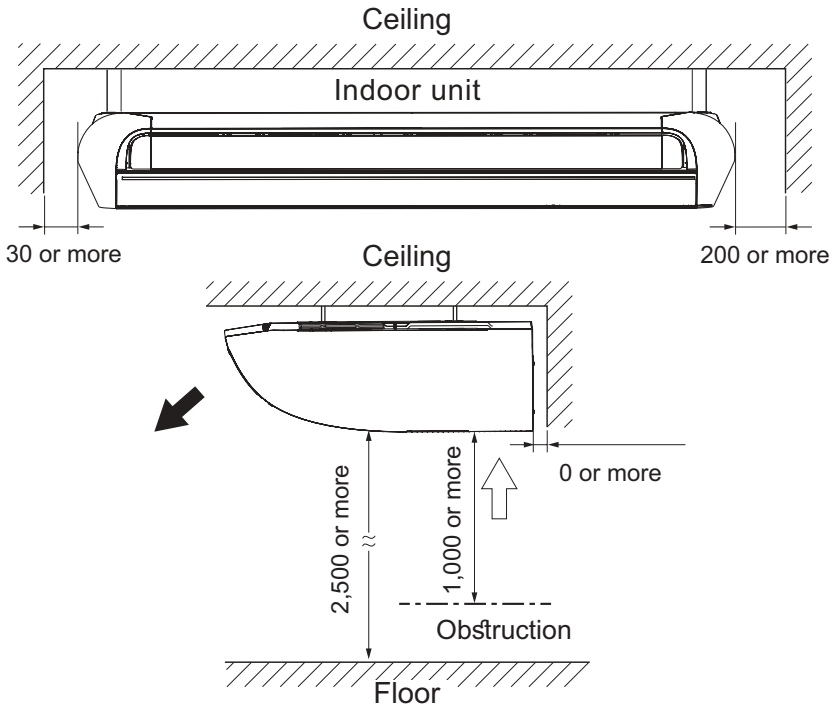
Rear view



4-5 UNIT
MULTI-SPLIT TYPE

■ Installation space requirement

Unit: mm



Required ceiling height varies according to the ceiling mode setting of function setting No. 20.

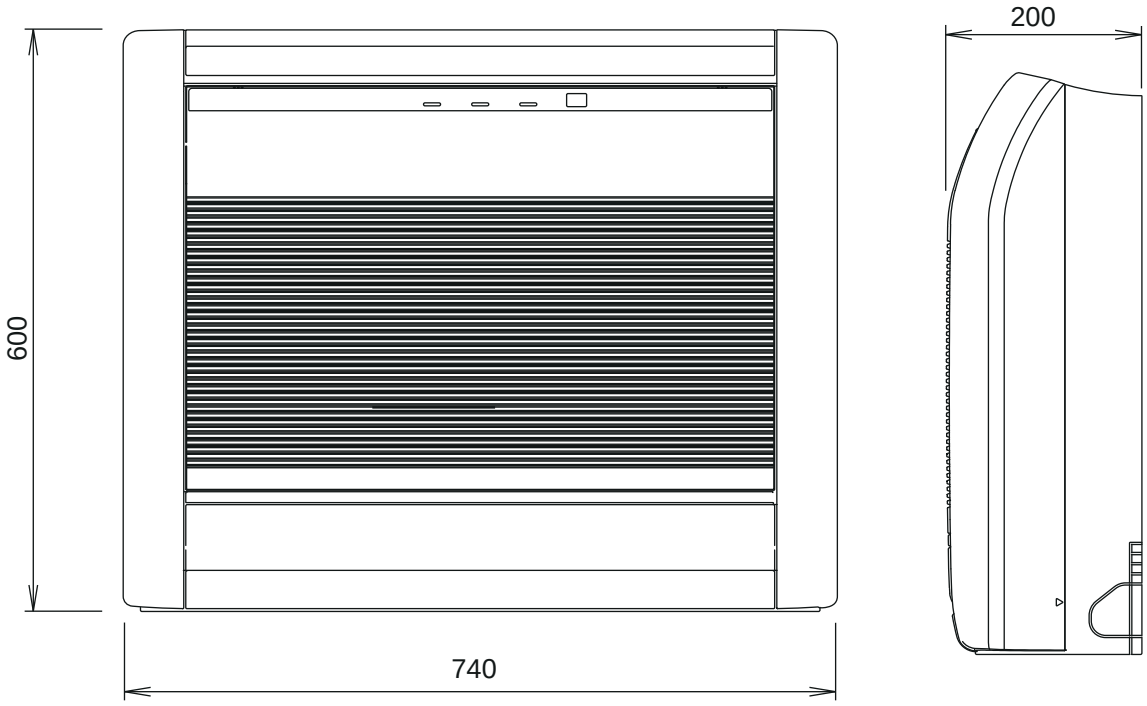
Ceiling height (m)		
Ceiling mode	Standard	High ceiling
18, 22 models	2.7	3.5

4-5 UNIT
MULTI-SPLIT TYPE

3-7. Floor type

■ Models: AGYG09KVCA, AGYG12KVCA, and AGYG14KVCA

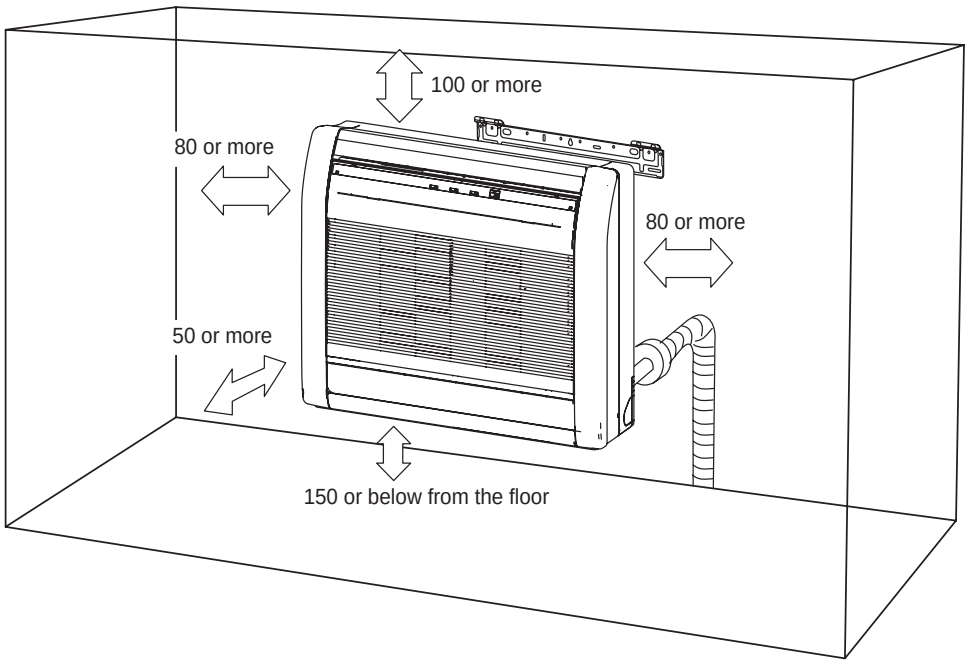
Unit: mm



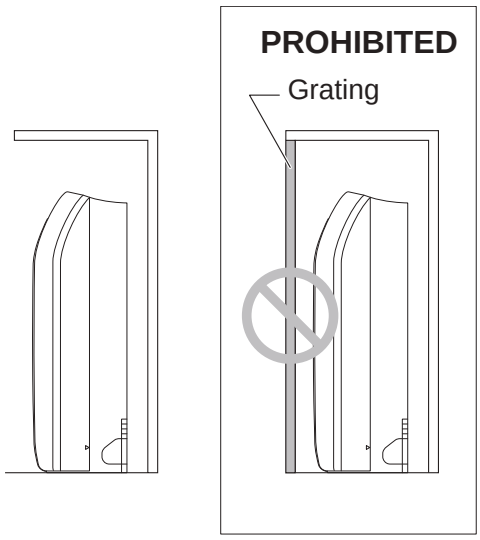
Front view

Side view

● Installation space



4-5 UNIT
MULTI-SPLIT TYPE



⚠ 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

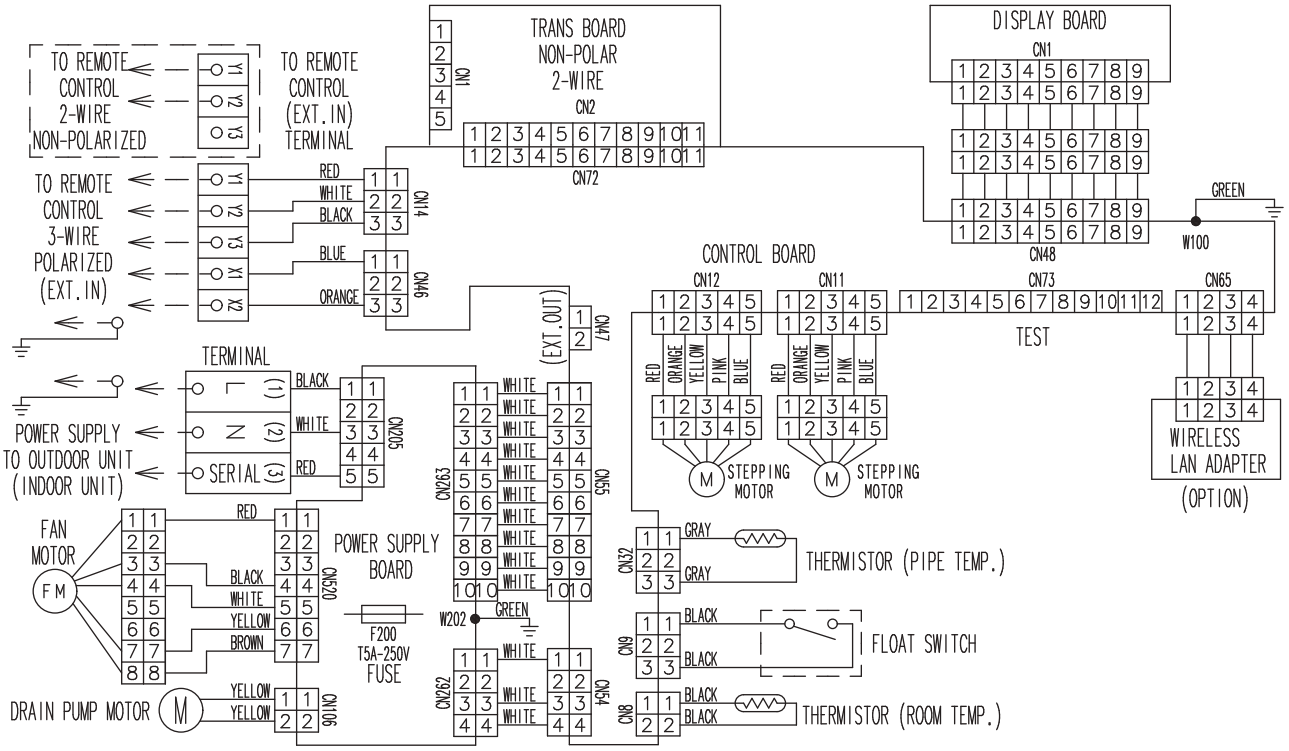
(IEC 60335-2-40)

4-5 UNIT
MULTI-SPLIT TYPE

4. Wiring diagrams

4-1. Compact cassette type

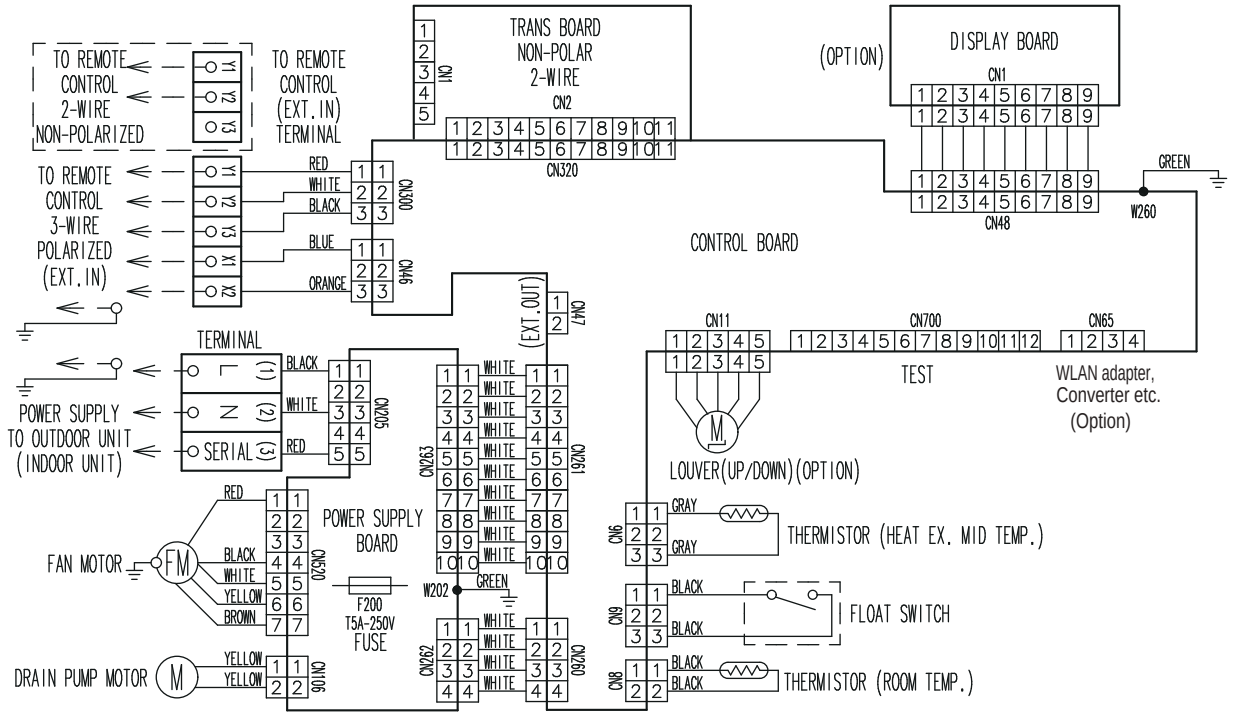
■ Models: AUXG07KVLA, AUXG09KVLA, AUXG12KVLA, AUXG14KVLA, AUXG18KVLA, and AUXG22KVLA



4-5 UNIT
MULTI-SPLIT TYPE

4-2. Mini duct type and Slim duct type

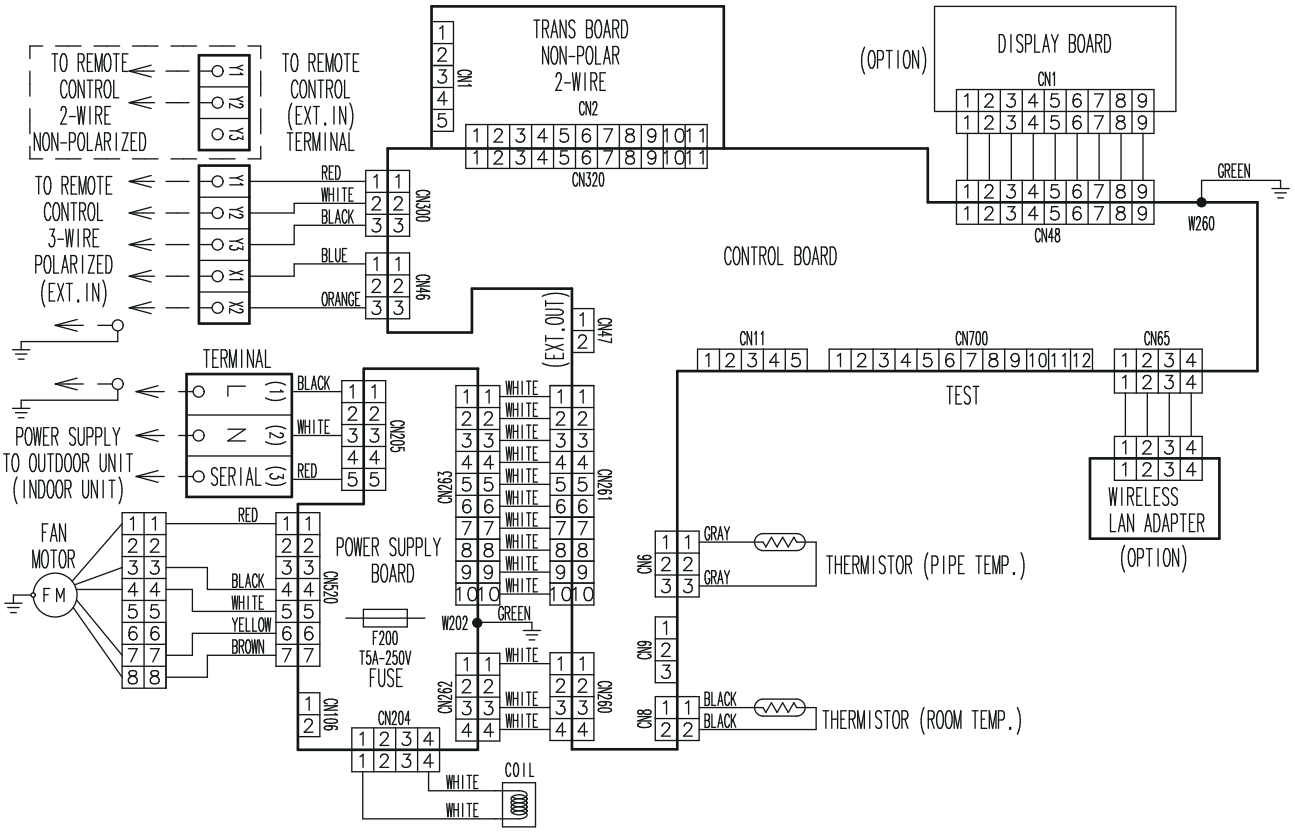
■ Models: ARXG07KSLAP, ARXG09KSLAP, ARXG12KSLAP, ARXG14KSLAP, ARXG18KSLAP, ARXG07KLLAP, ARXG09KLLAP, ARXG12KLLAP, ARXG14KLLAP, and ARXG18KLLAP



4-5 UNIT
MULTI-SPLIT TYPE

4-3. Medium static pressure duct type

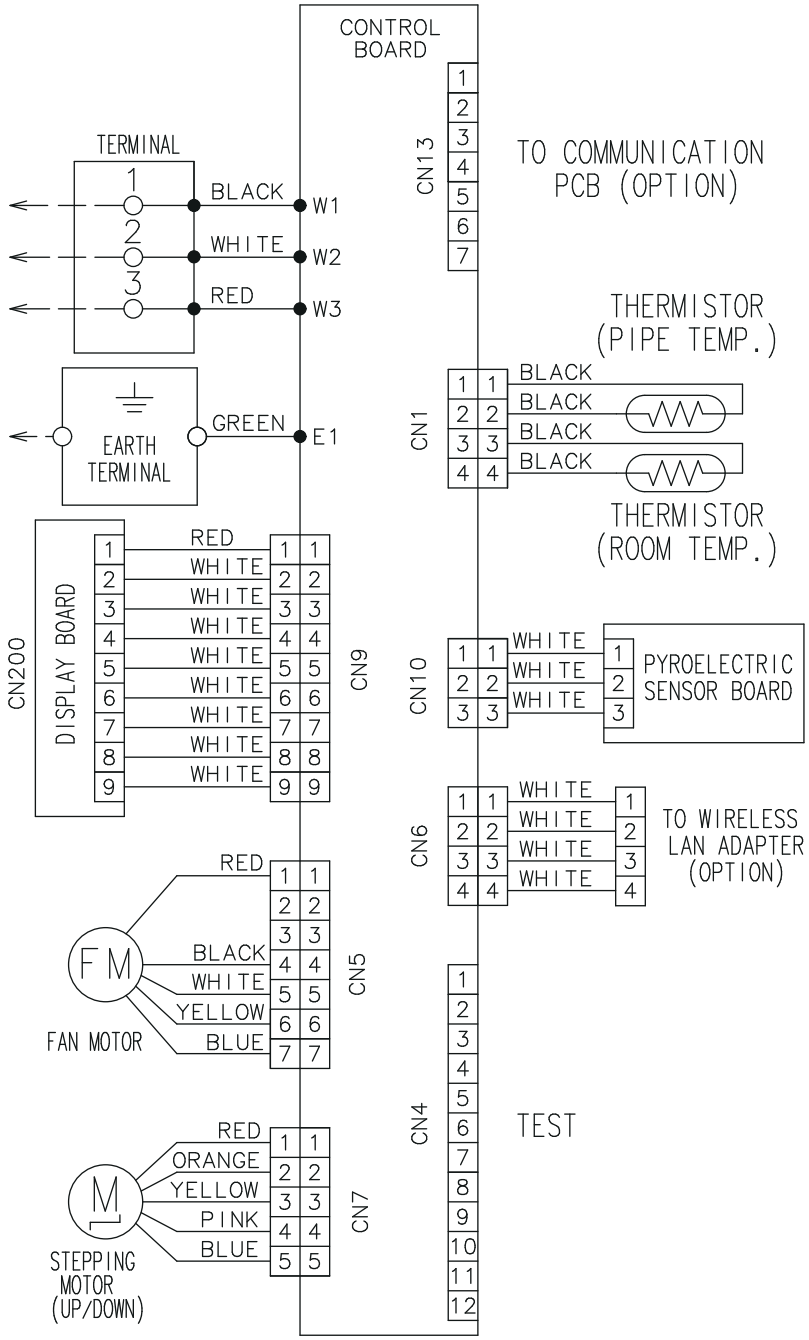
■ Model: ARXG22KMLB



4-5 UNIT
MULTI-SPLIT TYPE

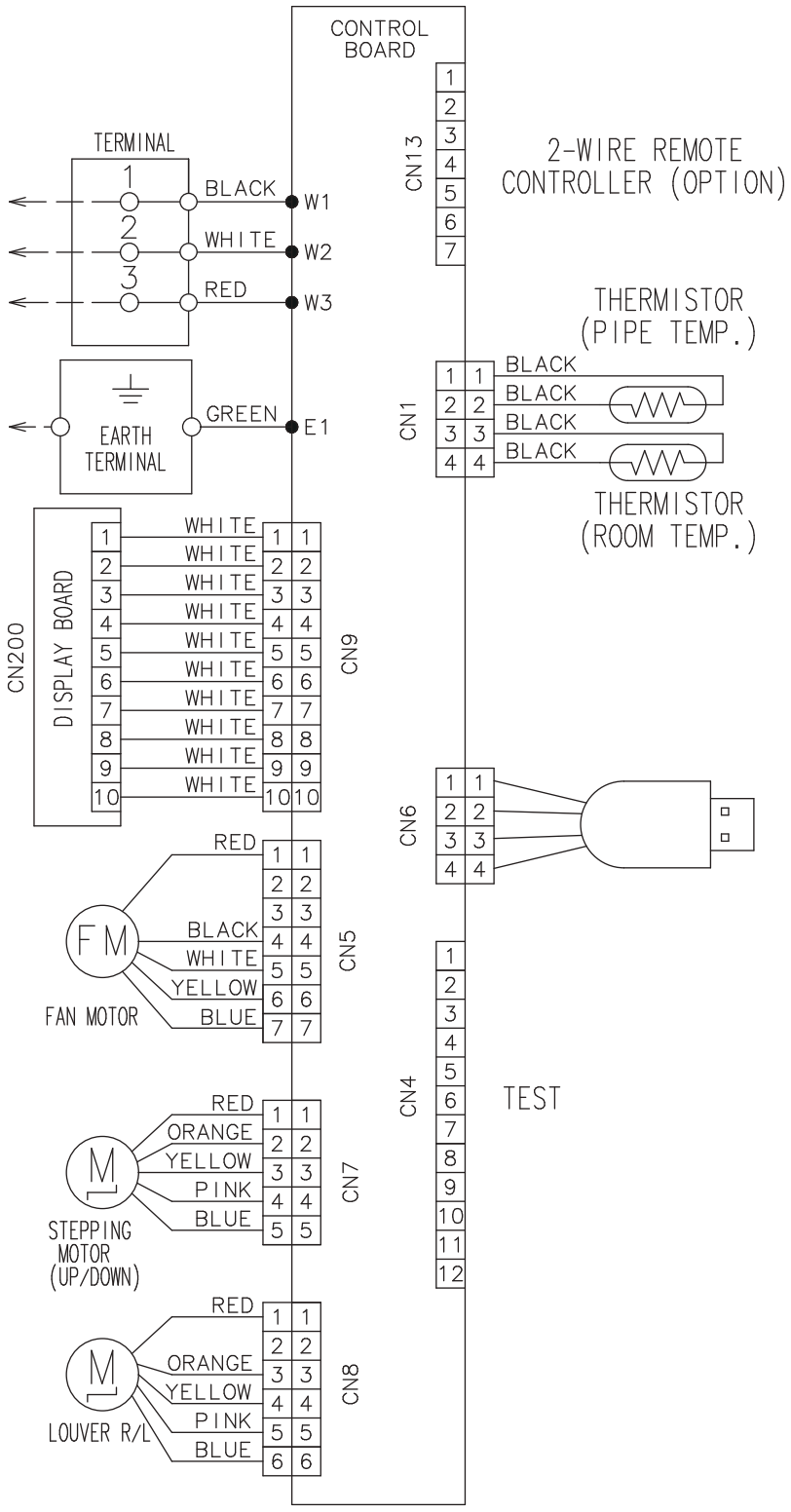
4-4. Wall mounted type

■ Models: ASYG07KGTB, ASYG09KGTB, ASYG12KGTB, and ASYG14KGTB



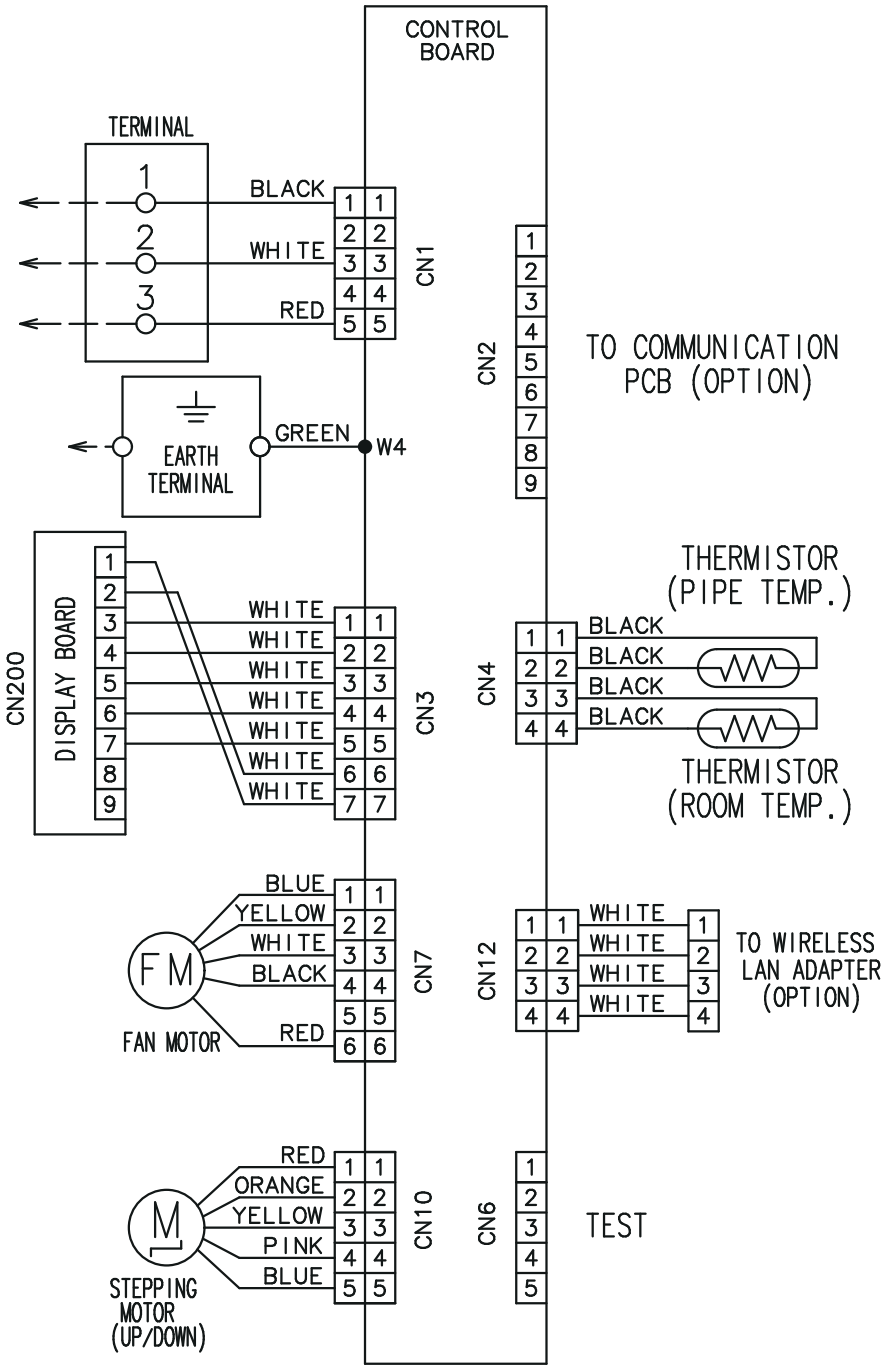
4-5 UNIT
MULTI-SPLIT TYPE

■ Models: ASYG18KMTB, ASYG22KMTB, and ASYG24KMTB



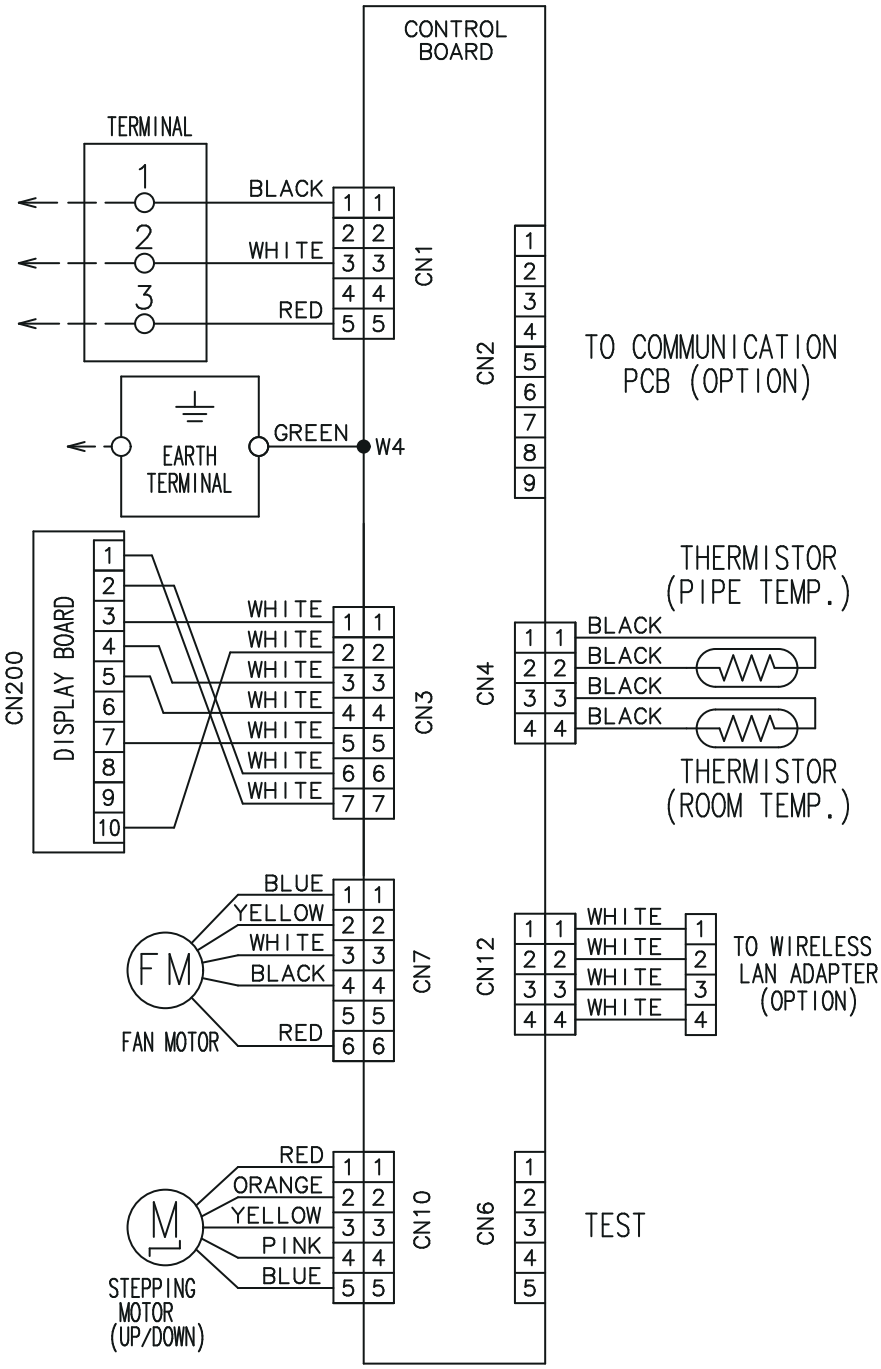
4-5 UNIT
MULTI-SPLIT TYPE

■ Models: ASYG07KMTB, ASYG09KMTB, ASYG12KMTB, and ASYG14KMTB



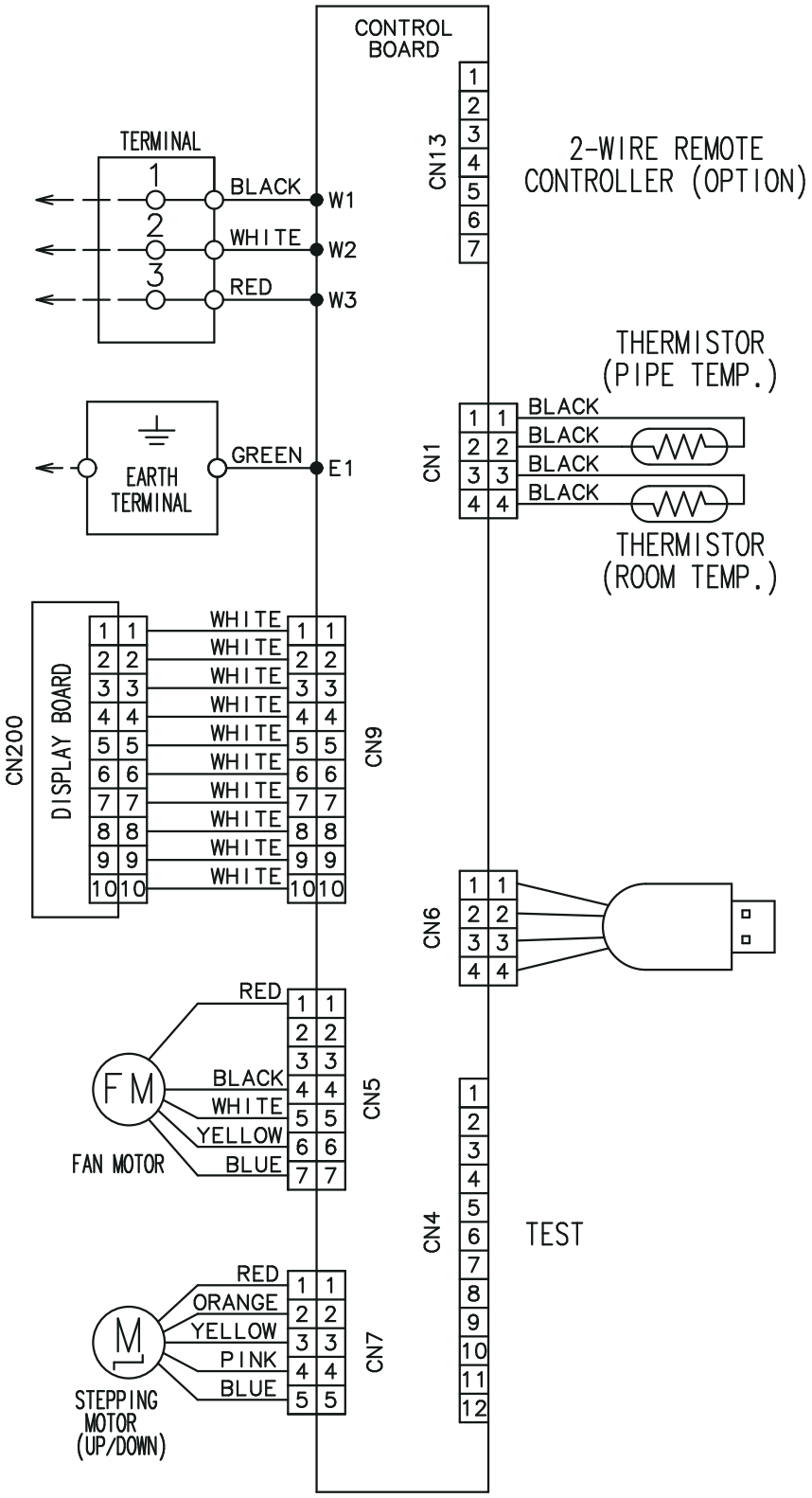
4-5 UNIT
MULTI-SPLIT TYPE

■ Models: ASYG07KMCC, ASYG09KMCC, ASYG12KMCC, and ASYG14KMCC



4-5 UNIT
MULTI-SPLIT TYPE

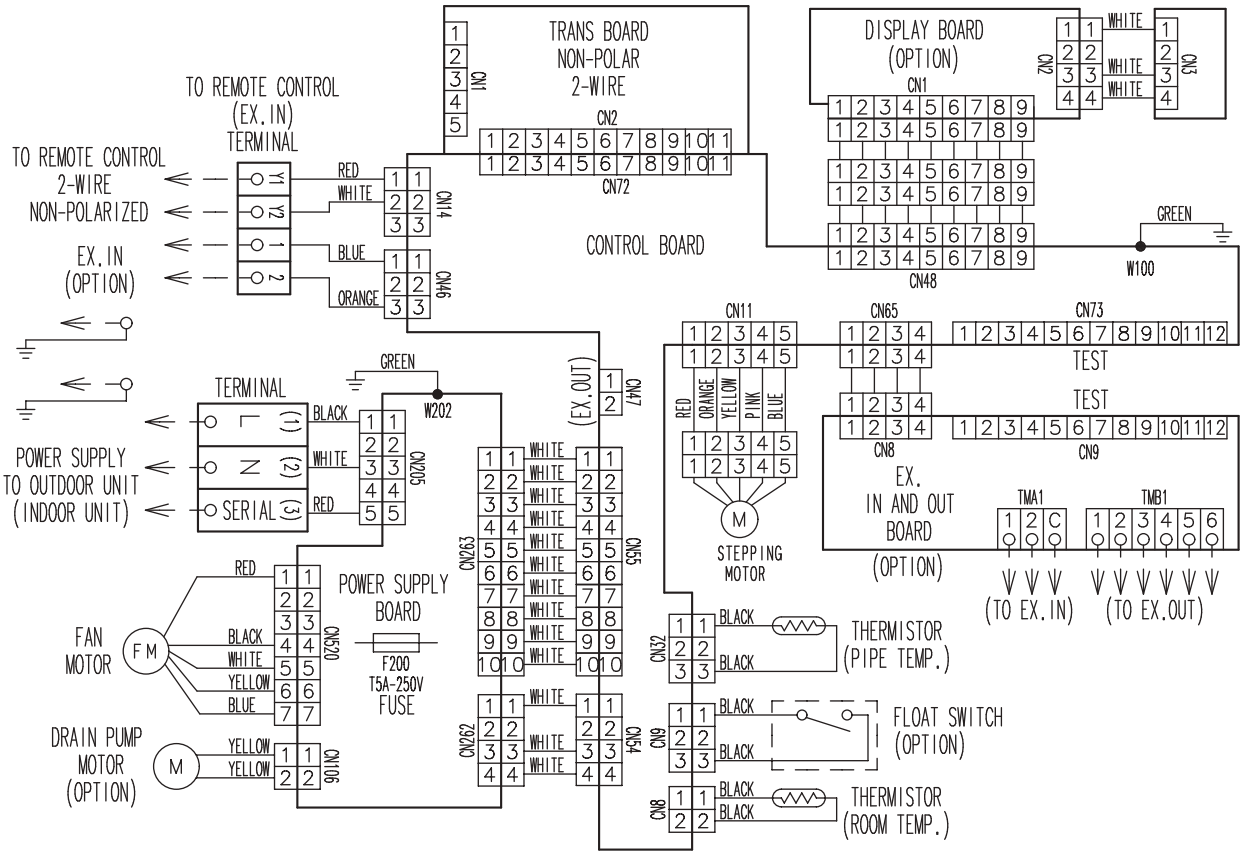
■ Models: ASYG07KETA, ASYG09KETA, ASYG12KETA, ASYG14KETA, ASYG07KETA-B, ASYG09KETA-B, ASYG12KETA-B, and ASYG14KETA-B



4-5 UNIT
MULTI-SPLIT TYPE

4-5. Ceiling type

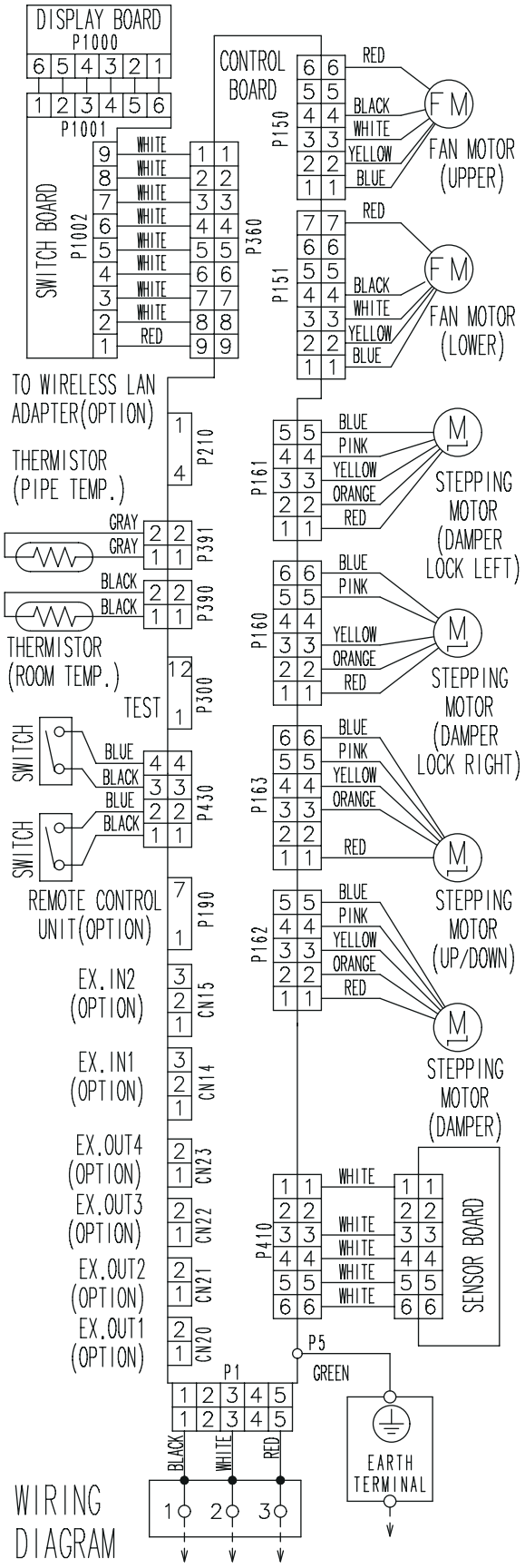
■ Models: ABYG18KRTA and ABYG22KRTA



4-5 UNIT
MULTI-SPLIT TYPE

4-6. Floor type

■ Models: AGYG09KVCA, AGYG12KVCA, and AGYG14KVCA



4-5 UNIT
MULTI-SPLIT TYPE

5. Air velocity and temperature distributions

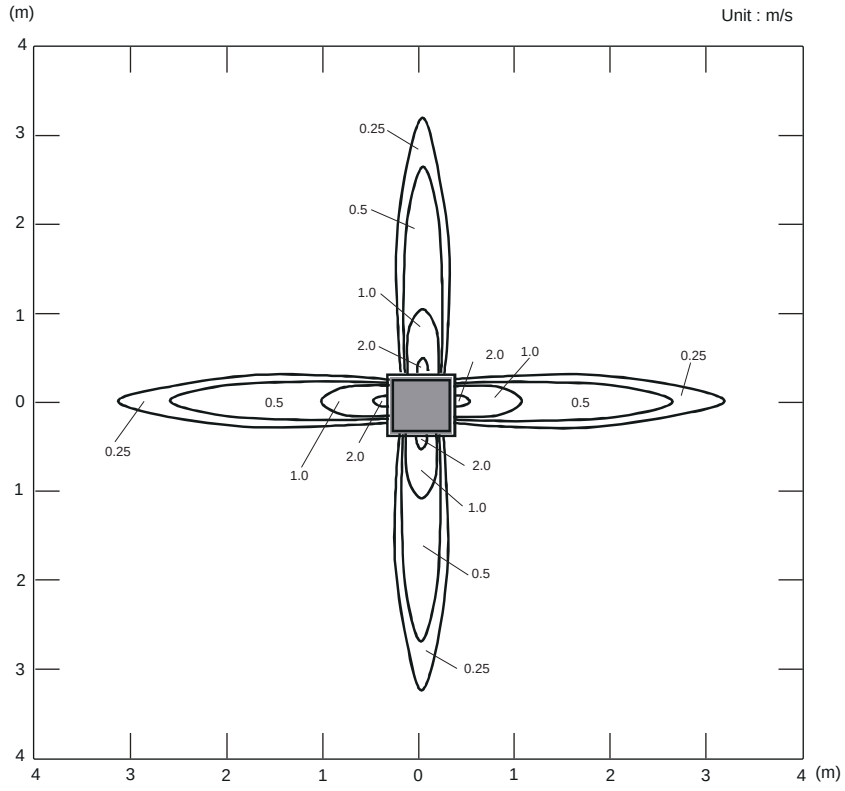
5-1. Compact cassette type

■ Models: AUXG07KVLA and AUXG09KVLA

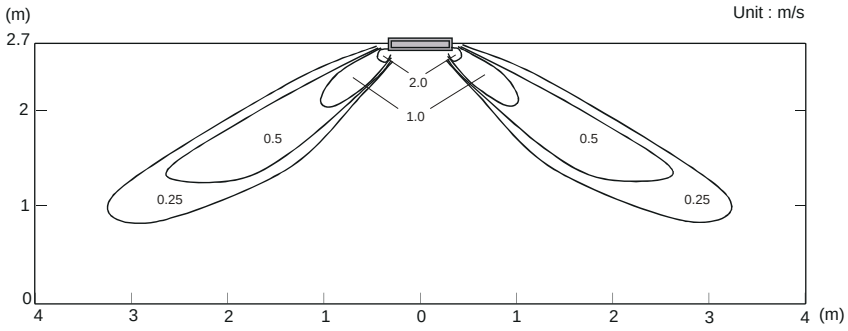
- Air velocity distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

Top view
Vertical airflow direction louver: up



Side view
Vertical airflow direction louver: up

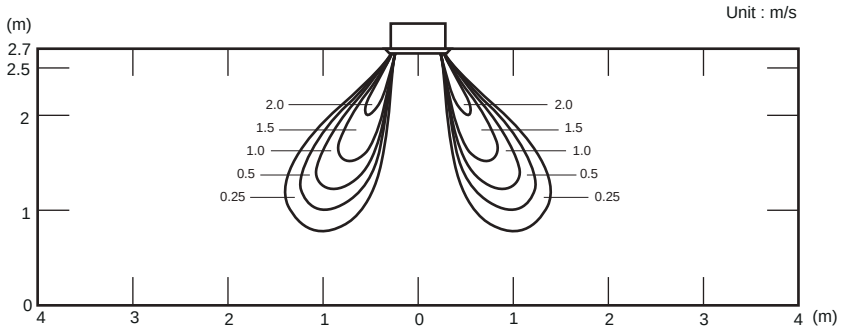


4-5 UNIT
MULTI-SPLIT TYPE

- Air velocity distribution

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

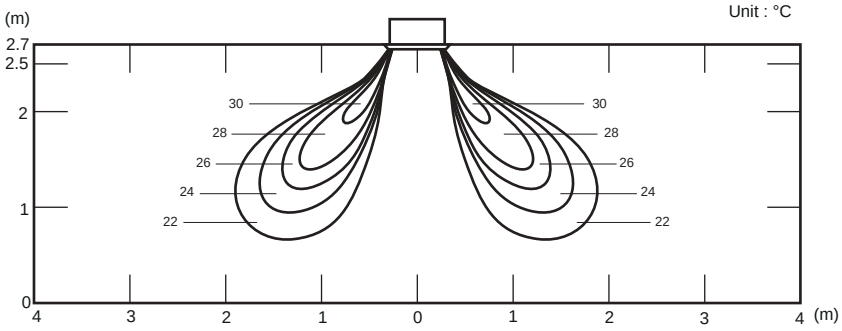
Side view
Vertical airflow direction louver: down



- Air temperature distribution

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

Side view
Vertical airflow direction louver: down



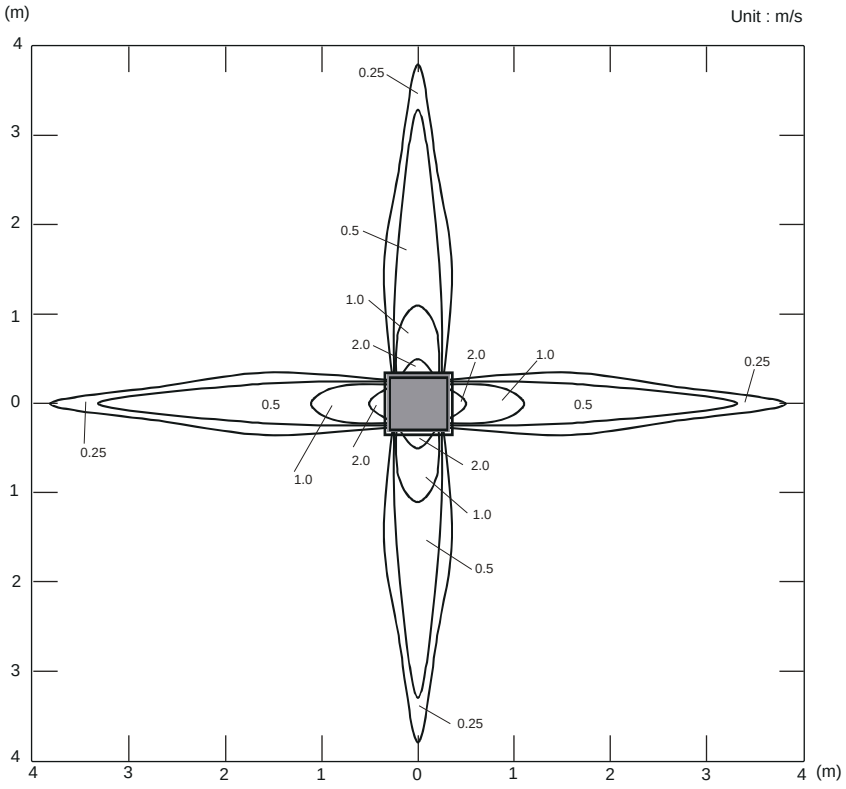
4-5 UNIT
MULTI-SPLIT TYPE

■ Model: AUXG12KVLA

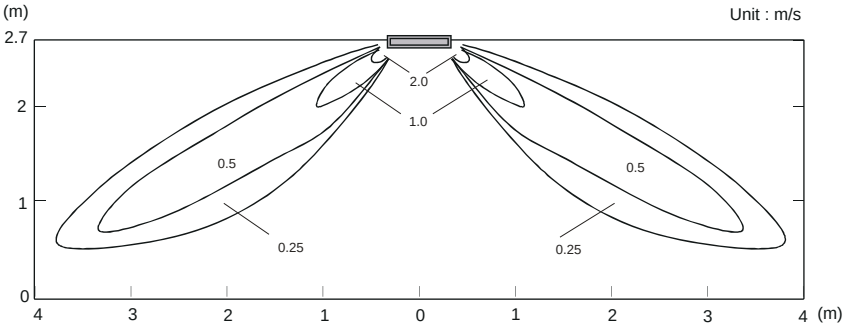
- Air velocity distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

Top view
Vertical airflow direction louver: up



Side view
Vertical airflow direction louver: up

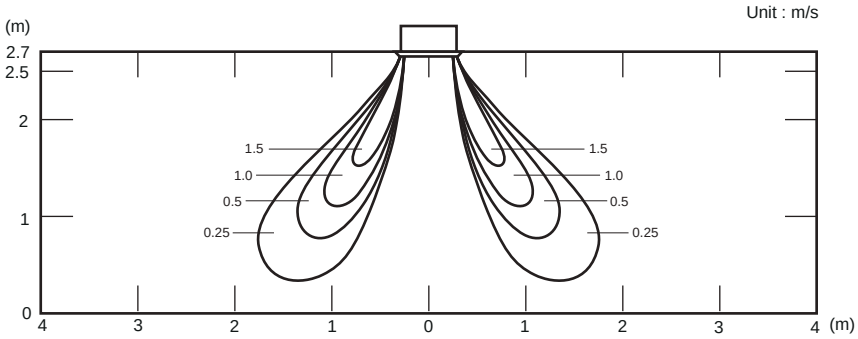


4-5 UNIT
MULTI-SPLIT TYPE

- Air velocity distribution

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

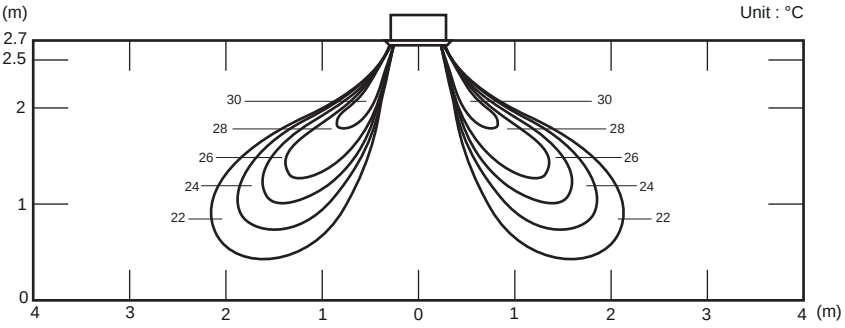
Side view
Vertical airflow direction louver: down



- Air temperature distribution

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

Side view
Vertical airflow direction louver: down



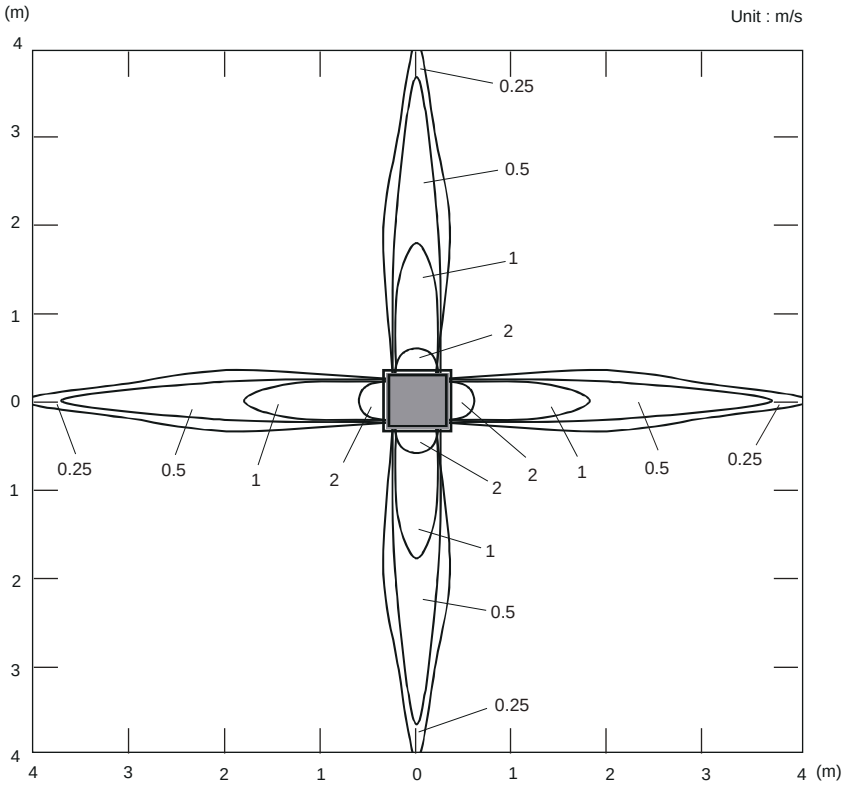
4-5 UNIT
MULTI-SPLIT TYPE

■ Model: AUXG14KVLA

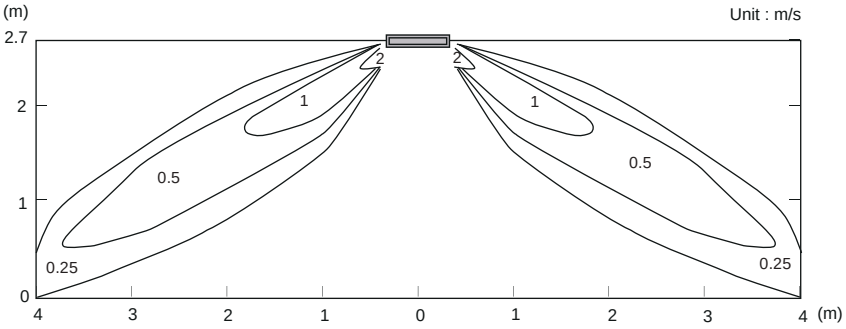
- Air velocity distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

Top view
Vertical airflow direction louver: up



Side view
Vertical airflow direction louver: up

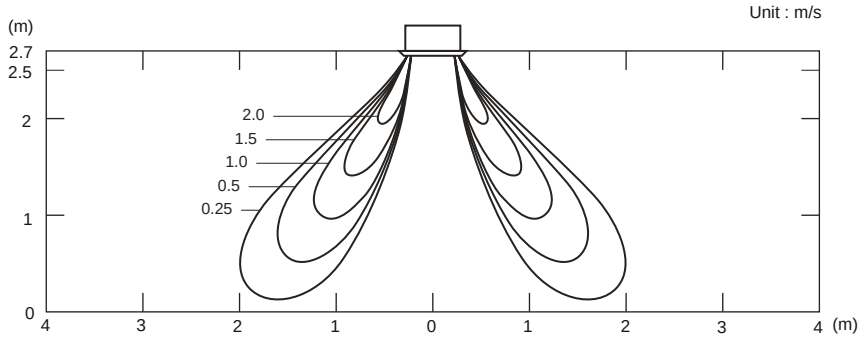


4-5 UNIT
MULTI-SPLIT TYPE

- Air velocity distribution

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

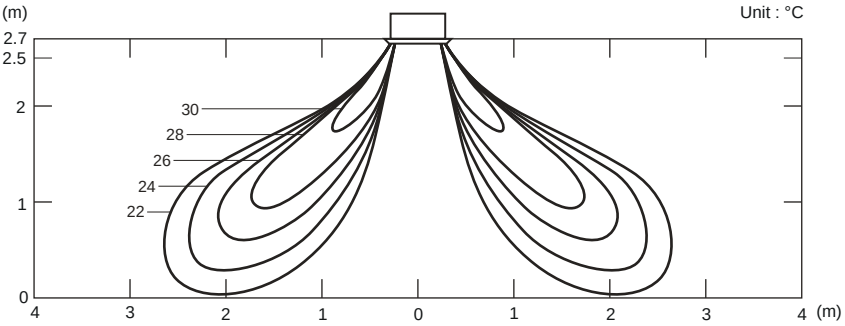
Side view
Vertical airflow direction louver: down



- Air temperature distribution

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

Side view
Vertical airflow direction louver: down

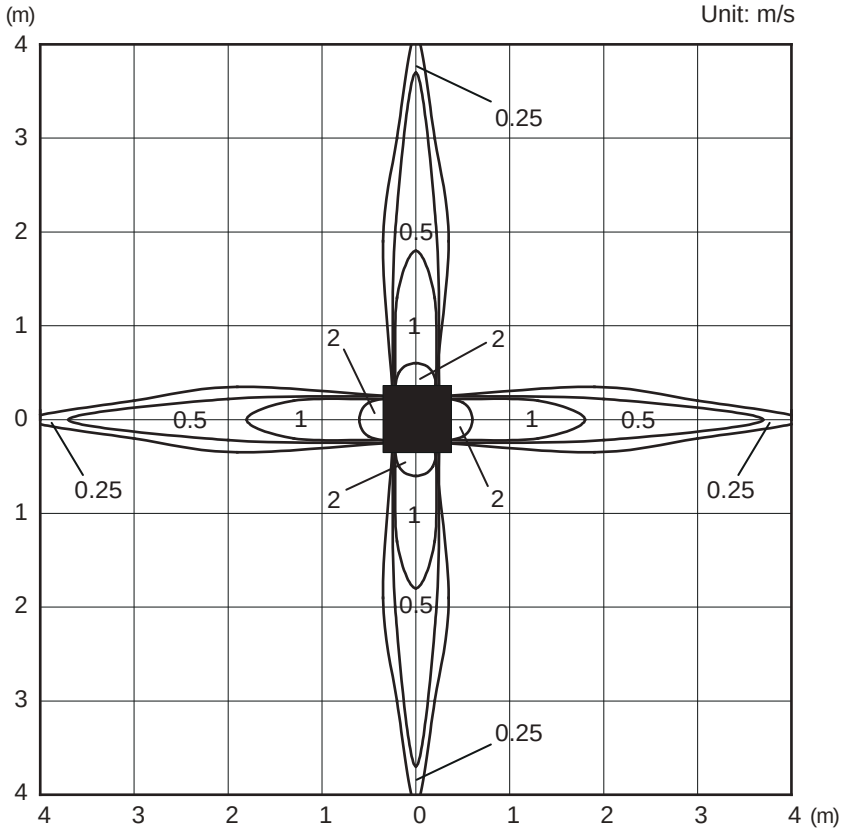


4-5 UNIT
MULTI-SPLIT TYPE

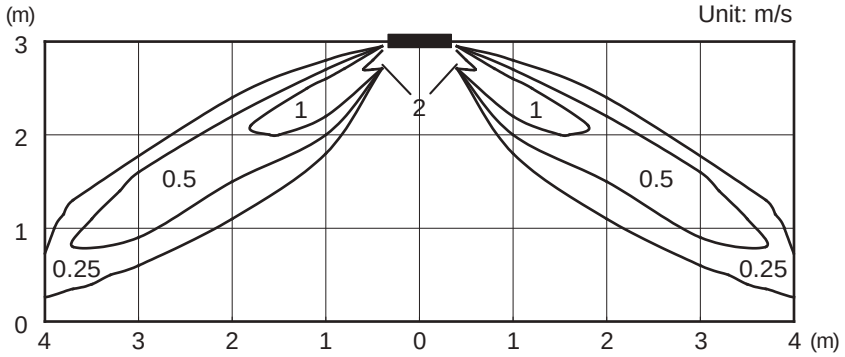
■ Model: AUXG18KVLA

Measuring conditions	Fan speed	Operation mode	Ceiling mode
	HIGH	FAN	STANDARD

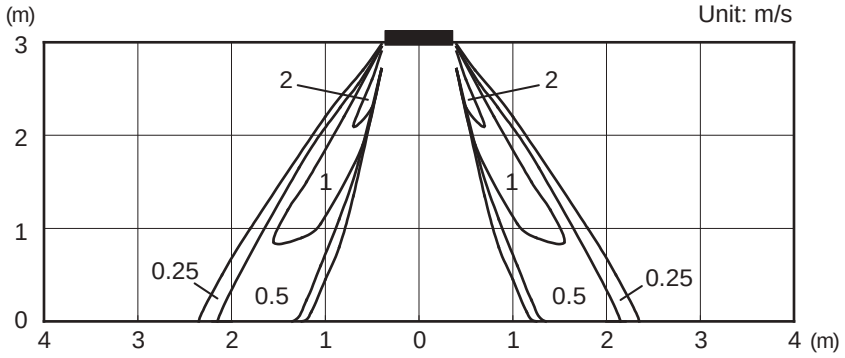
Top view
Vertical airflow direction louver: Upward



Side view
Vertical airflow direction louver: Upward



Side view
Vertical airflow direction louver: Downward

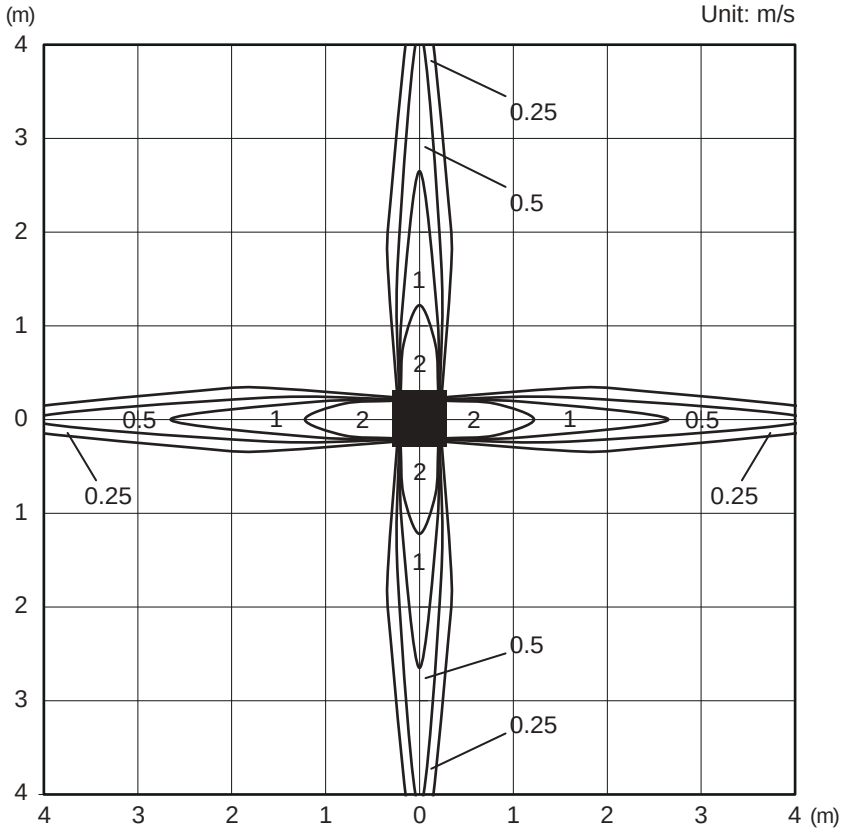


4-5 UNIT
MULTI-SPLIT TYPE

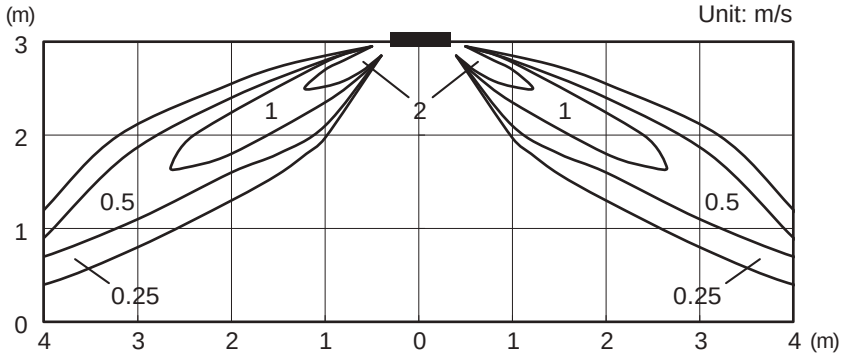
■ Model: AUXG22KVLA

Measuring conditions	Fan speed	Operation mode	Ceiling mode
	HIGH	FAN	STANDARD

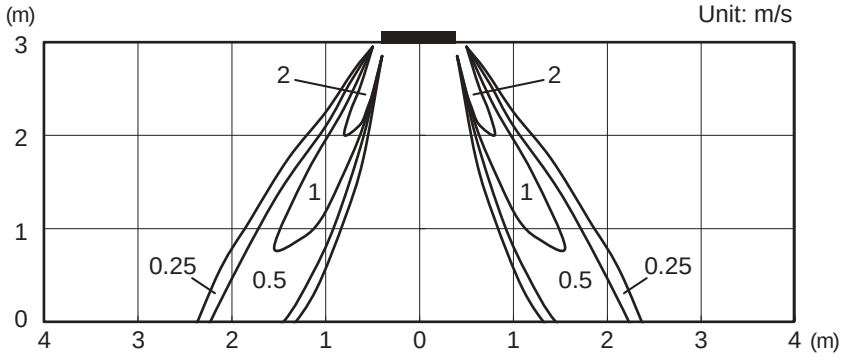
Top view
Vertical airflow direction louver: Upward



Side view
Vertical airflow direction louver: Upward



Side view
Vertical airflow direction louver: Downward



4-5 UNIT
MULTI-SPLIT TYPE

5-2. Mini duct type

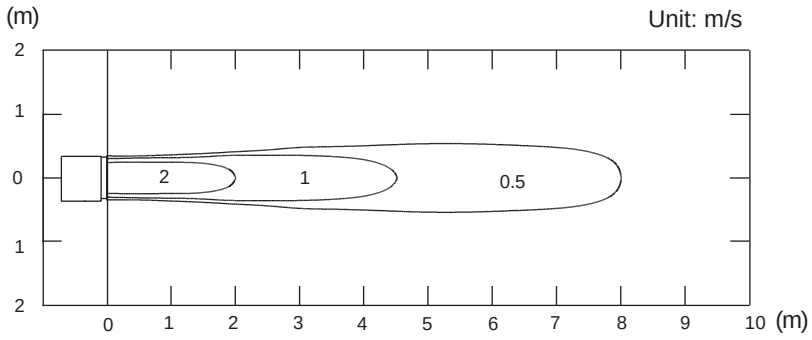
■ Model: ARXG07KSLAP

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

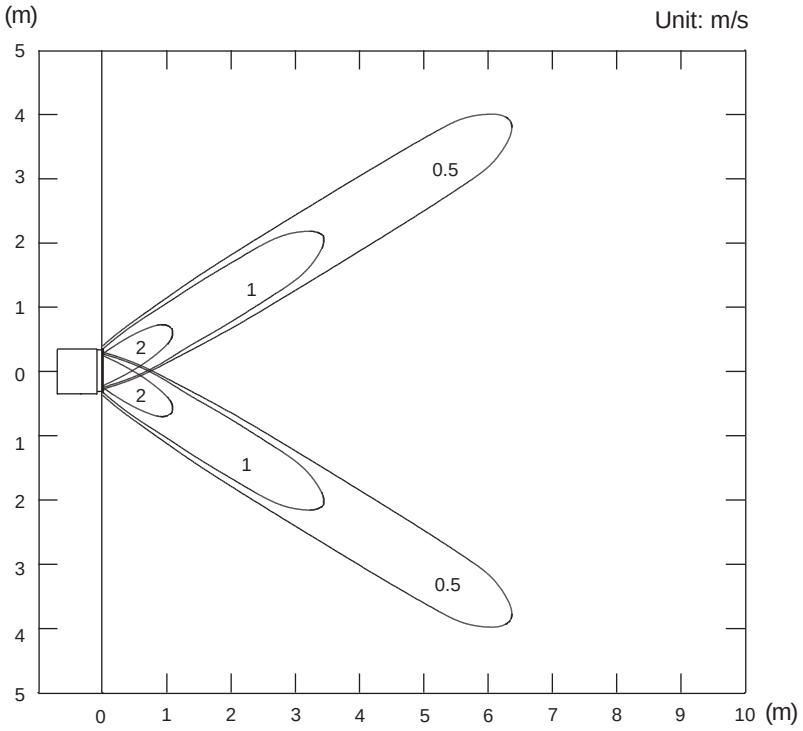
- Air velocity distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

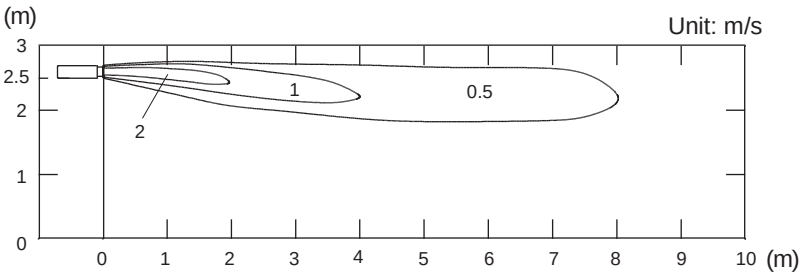
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Center



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

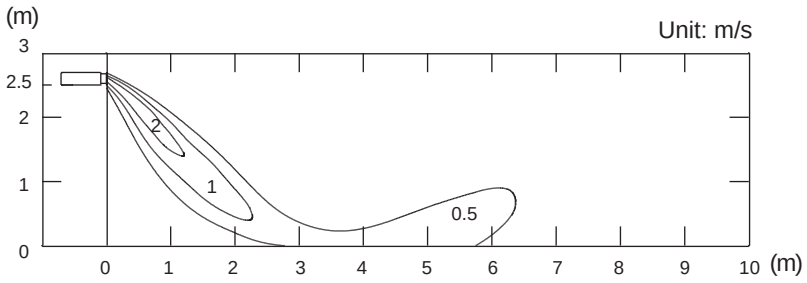


4-5 UNIT
MULTI-SPLIT TYPE

- Air velocity distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT

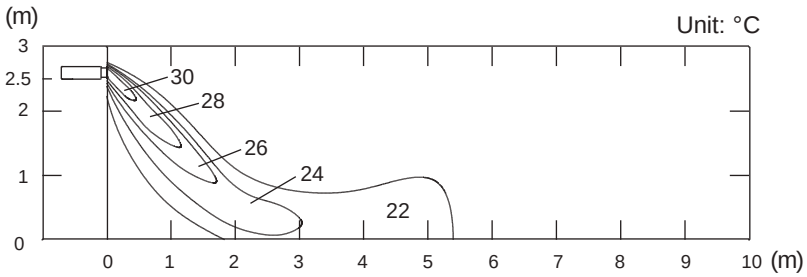
Side view
Vertical airflow direction louver: Down
Horizontal airflow direction louver: Center



- Air temperature distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT

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



4-5 UNIT
MULTI-SPLIT TYPE

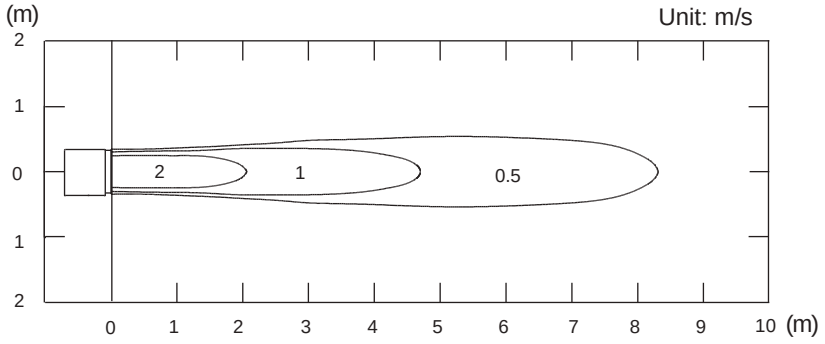
■ Model: ARXG09KSLAP

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

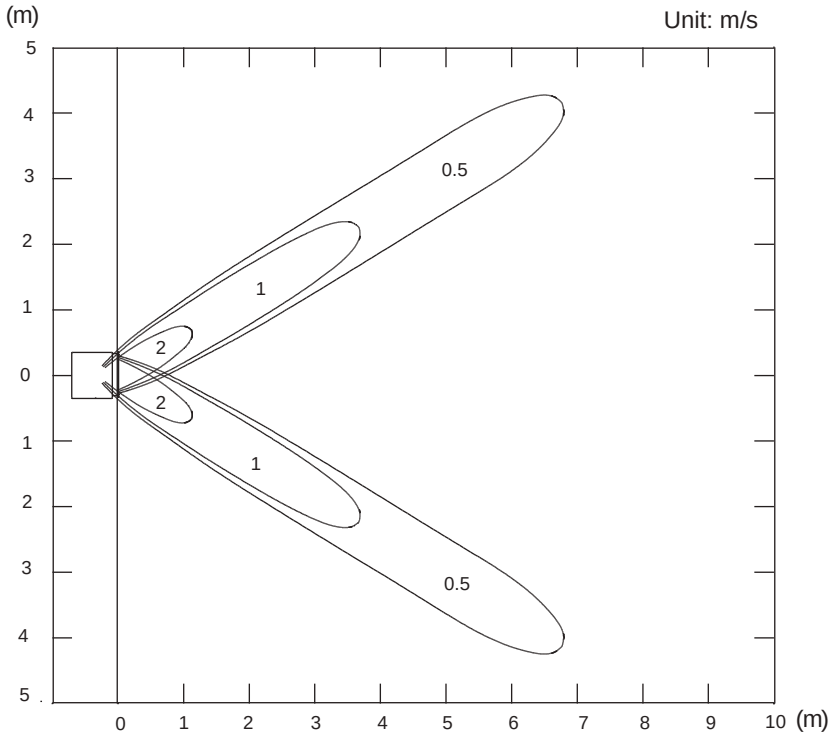
- Air velocity distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

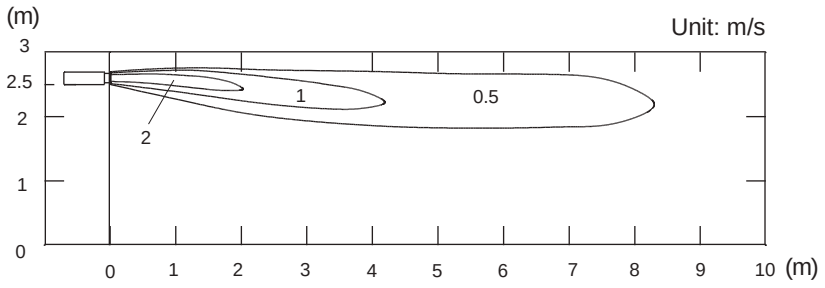
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Center



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

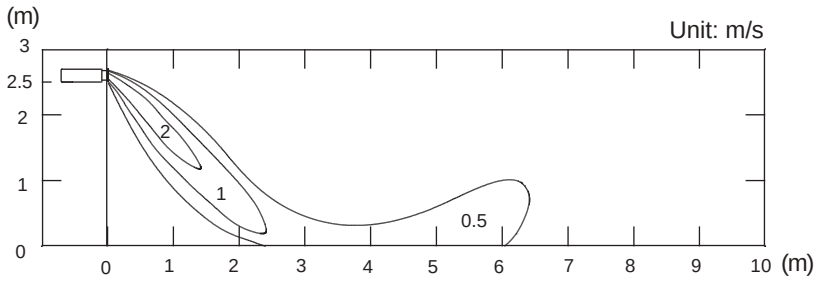


4-5 UNIT
MULTI-SPLIT TYPE

- Air velocity distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT

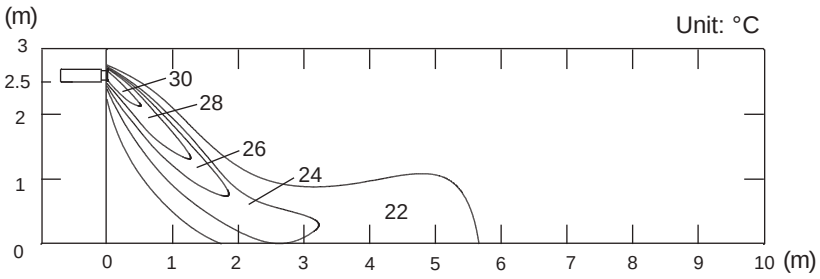
Side view
Vertical airflow direction louver: Down
Horizontal airflow direction louver: Center



- Air temperature distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT

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



4-5 UNIT
MULTI-SPLIT TYPE

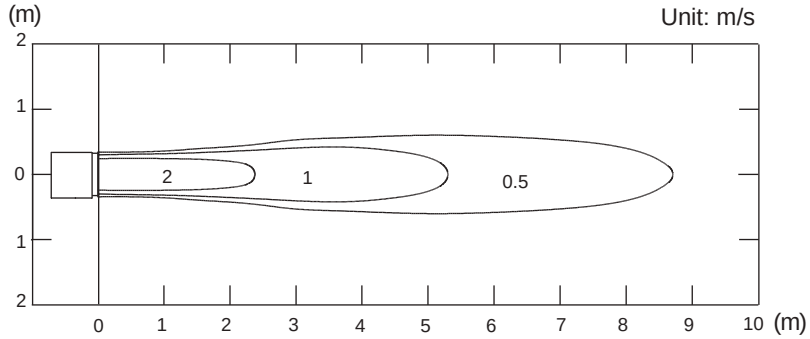
■ Model: ARXG12KSLAP

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

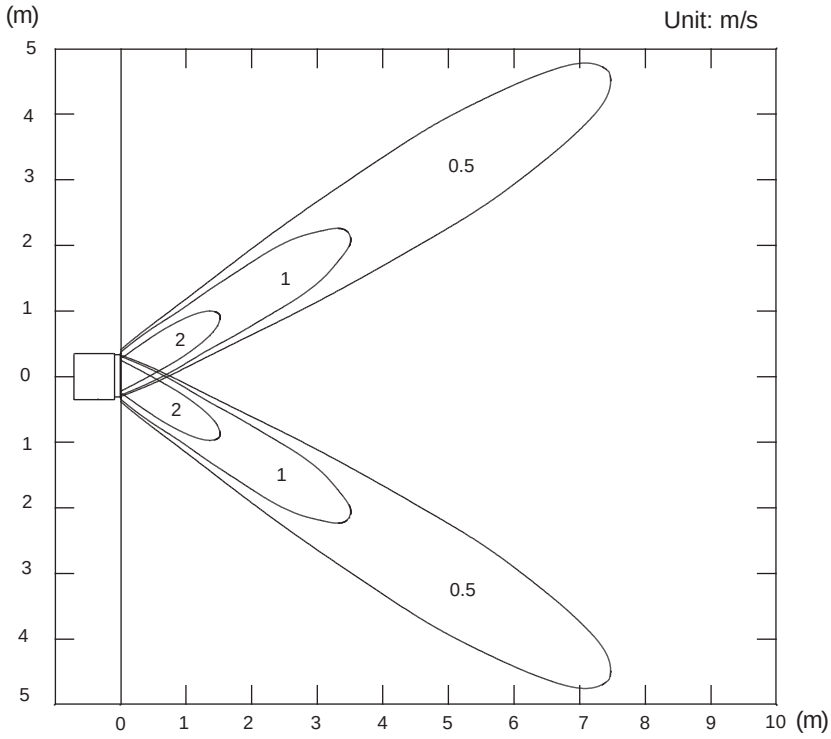
- Air velocity distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

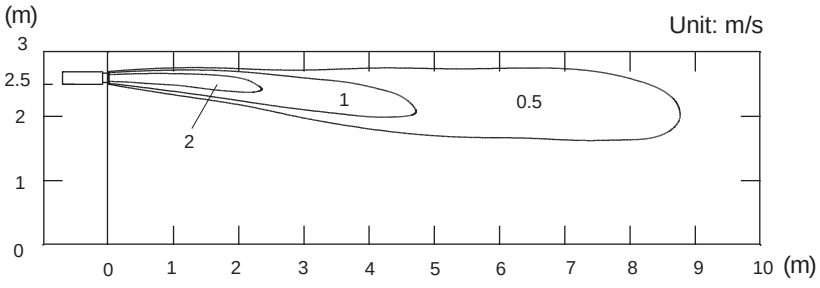
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Center



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

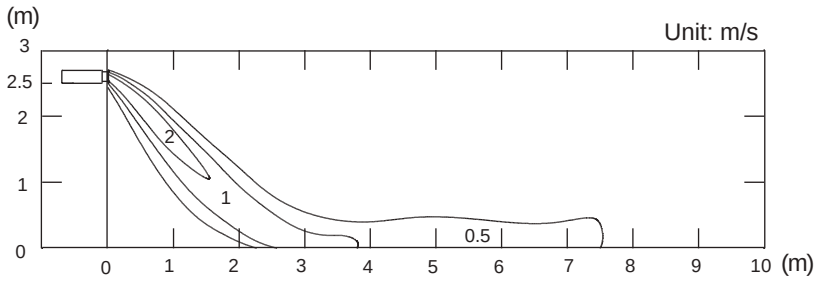


4-5 UNIT
MULTI-SPLIT TYPE

- Air velocity distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT

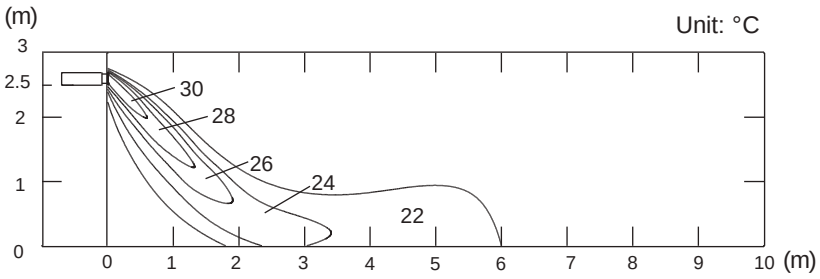
Side view
Vertical airflow direction louver: Down
Horizontal airflow direction louver: Center



- Air temperature distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT

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



4-5 UNIT
MULTI-SPLIT TYPE

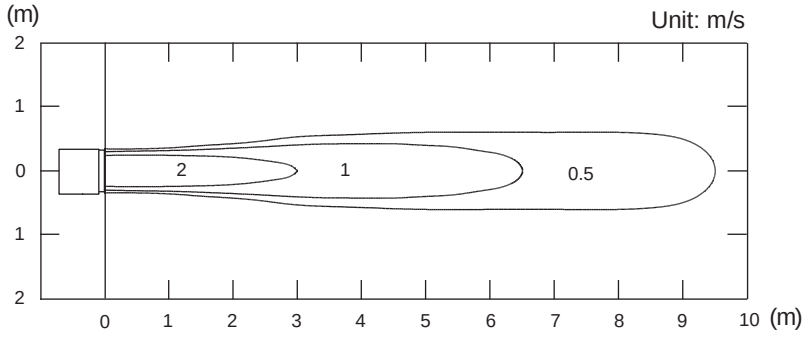
■ Model: ARXG14KSLAP

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

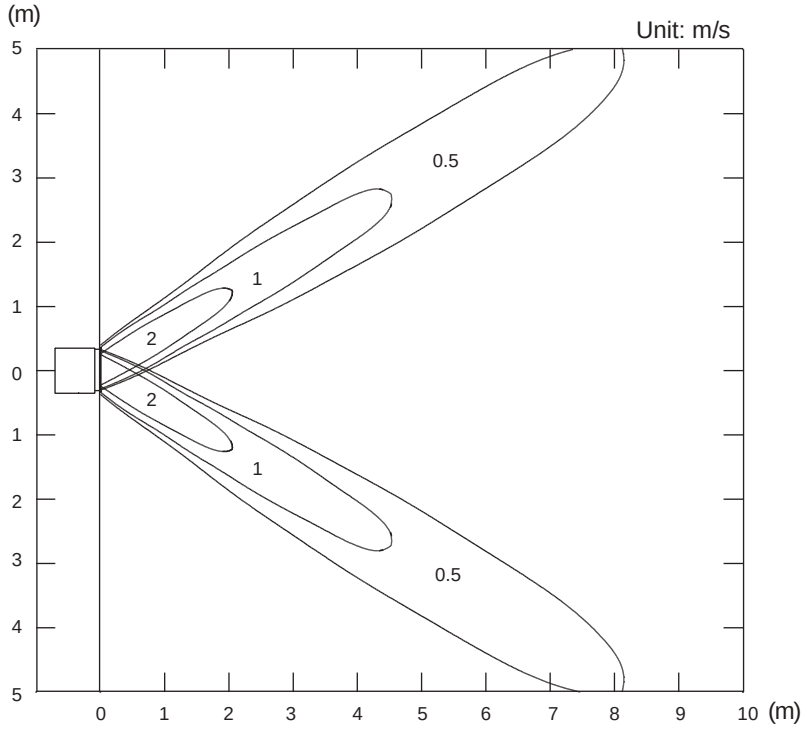
- Air velocity distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

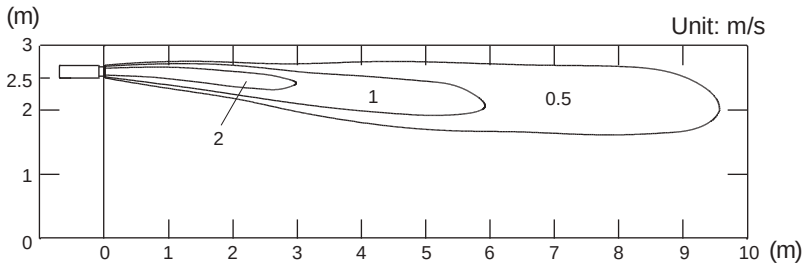
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Center



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

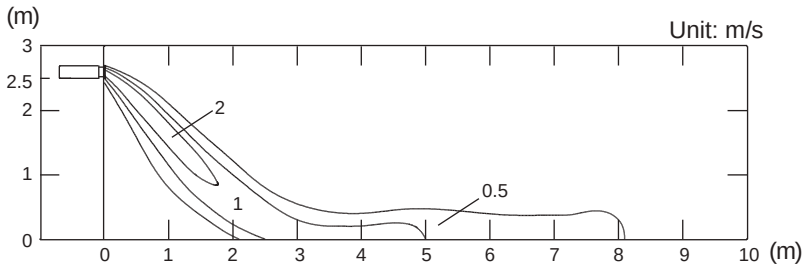


4-5 UNIT
MULTI-SPLIT TYPE

- Air velocity distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT

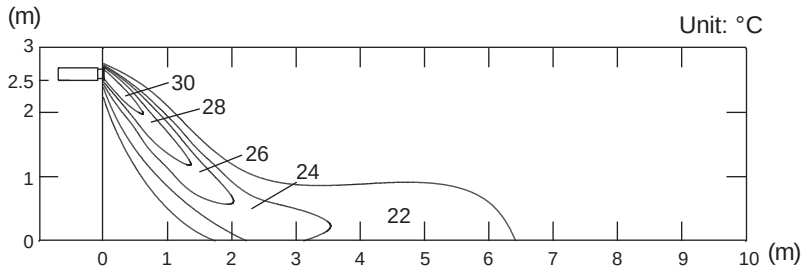
Side view
Vertical airflow direction louver: Down
Horizontal airflow direction louver: Center



- Air temperature distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT

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



4-5 UNIT
MULTI-SPLIT TYPE

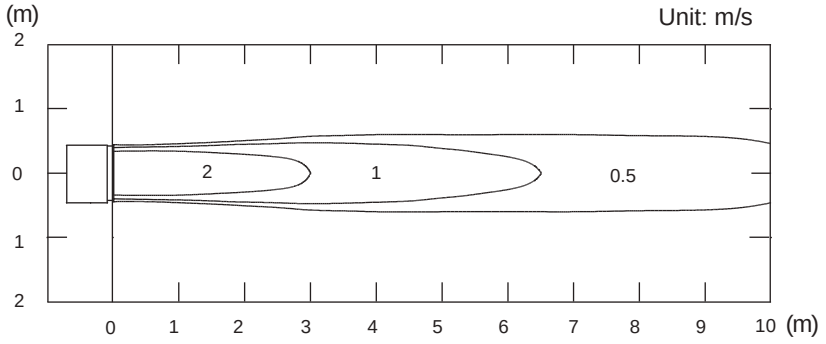
■ Model: ARXG18KSLAP

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

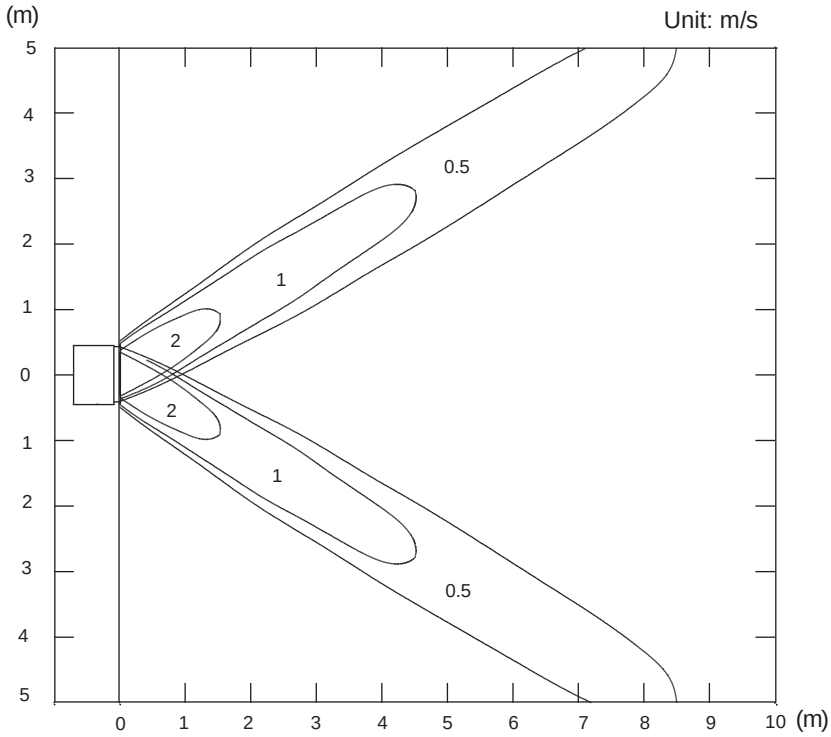
- Air velocity distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

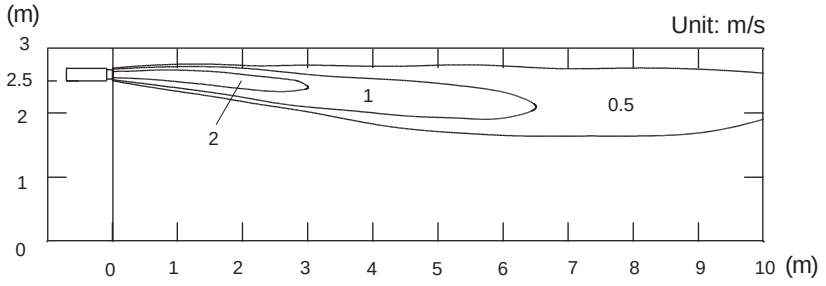
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Center



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

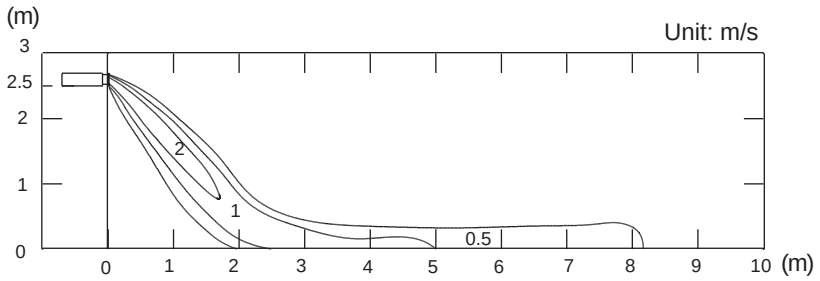


4-5 UNIT
MULTI-SPLIT TYPE

- Air velocity distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT

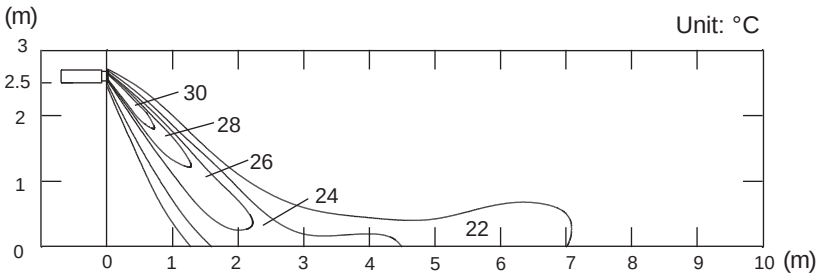
Side view
Vertical airflow direction louver: Down
Horizontal airflow direction louver: Center



- Air temperature distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT

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



4-5 UNIT
MULTI-SPLIT TYPE

5-3. Slim duct type

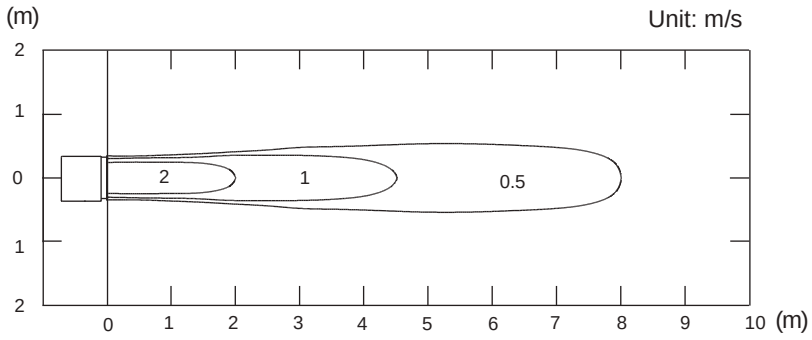
■ Model: ARXG07KLLAP

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

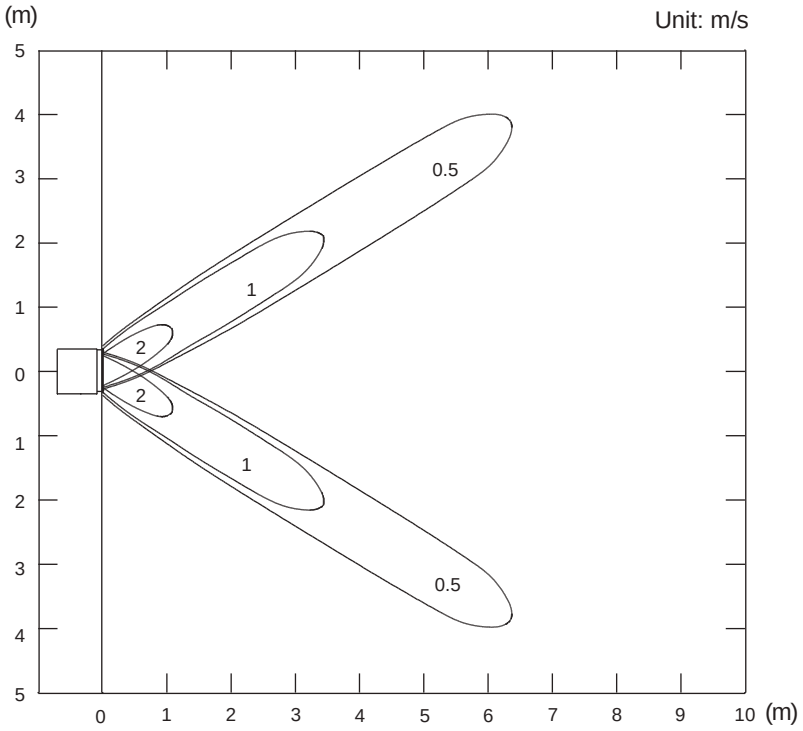
- Air velocity distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

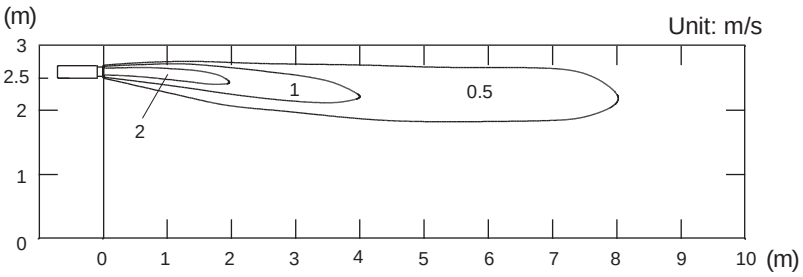
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Center



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

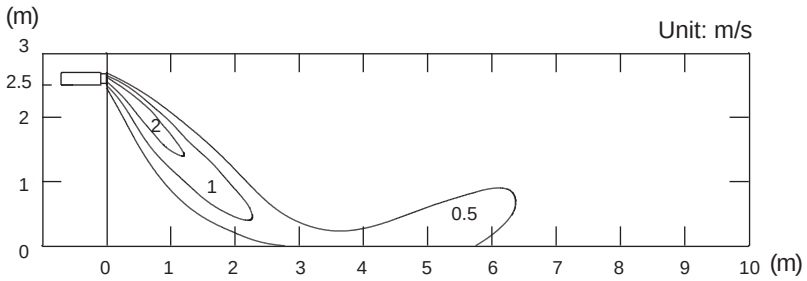


4-5 UNIT
MULTI-SPLIT TYPE

- Air velocity distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT

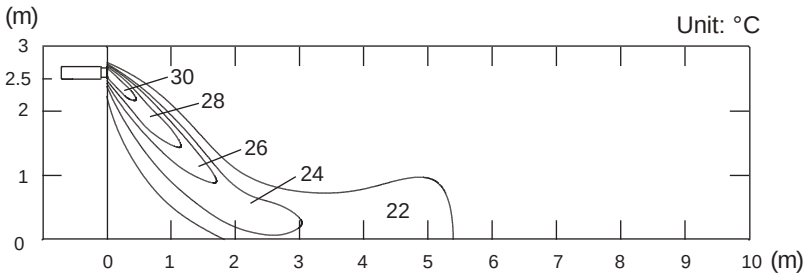
Side view
Vertical airflow direction louver: Down
Horizontal airflow direction louver: Center



- Air temperature distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT

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



4-5 UNIT
MULTI-SPLIT TYPE

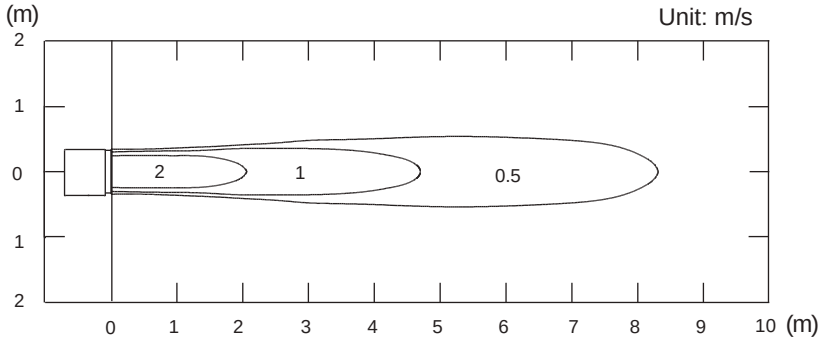
■ Model: ARXG09KLLAP

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

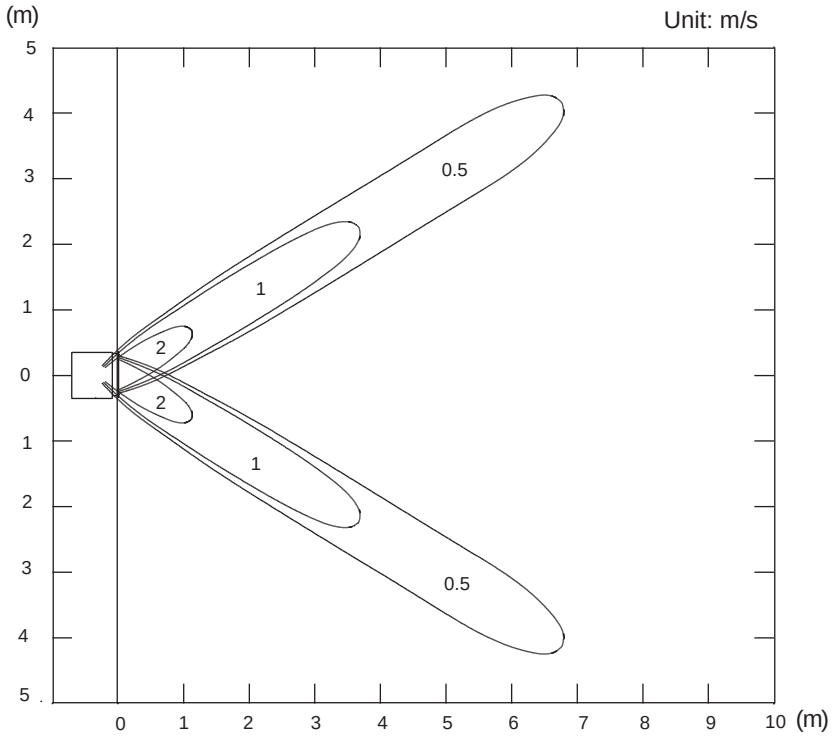
- Air velocity distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

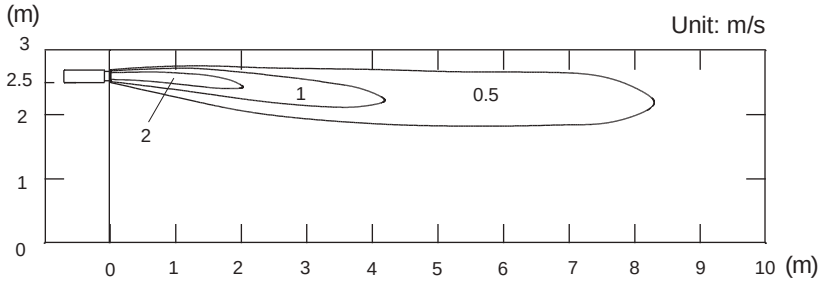
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Center



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

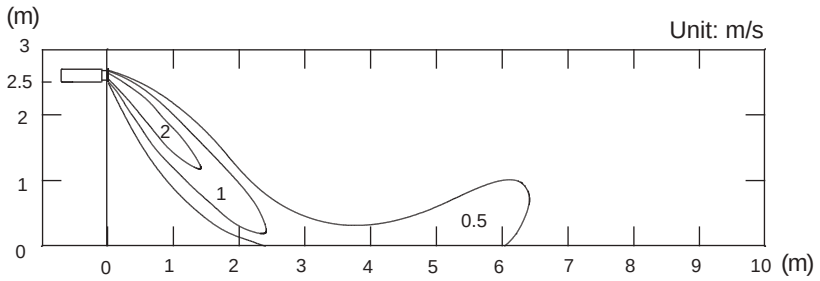


4-5 UNIT
MULTI-SPLIT TYPE

- Air velocity distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT

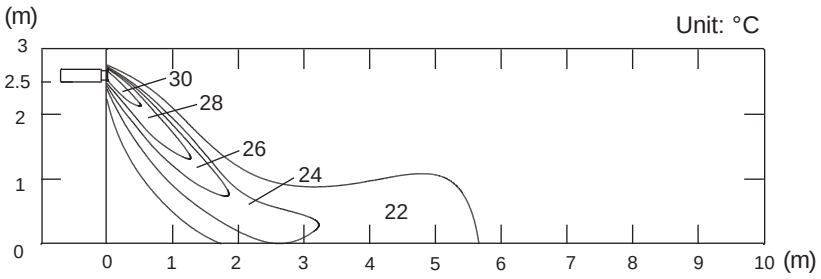
Side view
Vertical airflow direction louver: Down
Horizontal airflow direction louver: Center



- Air temperature distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT

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



4-5 UNIT
MULTI-SPLIT TYPE

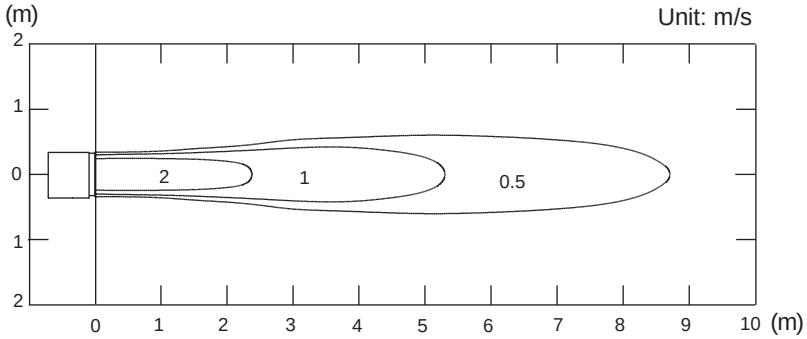
■ Model: ARXG12KLLAP

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

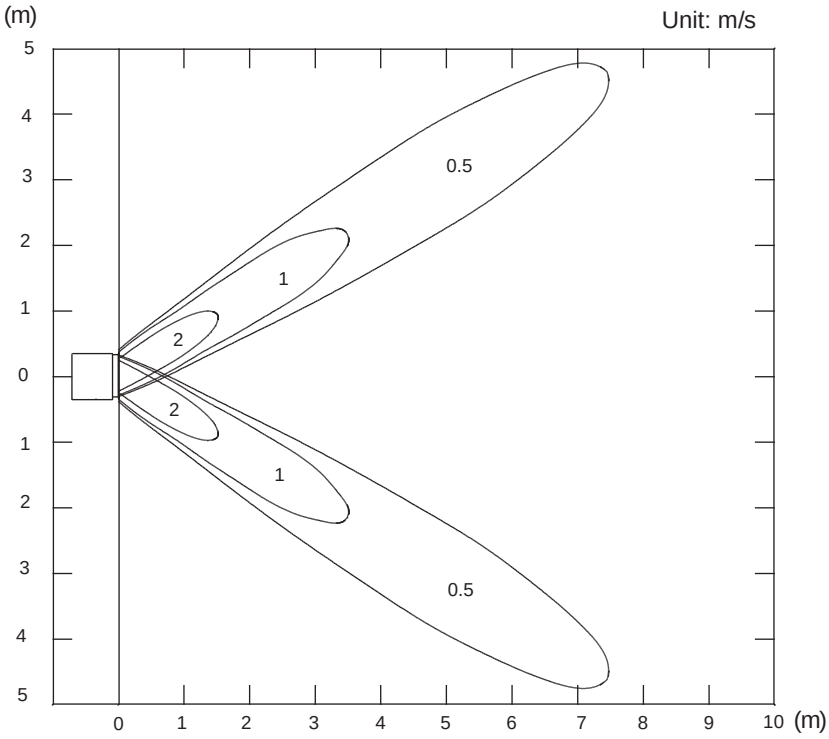
- Air velocity distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

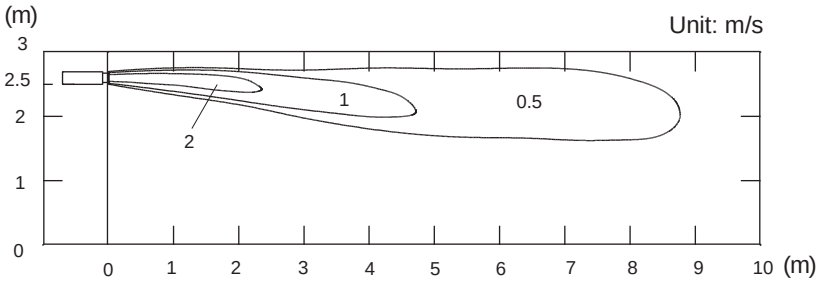
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Center



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

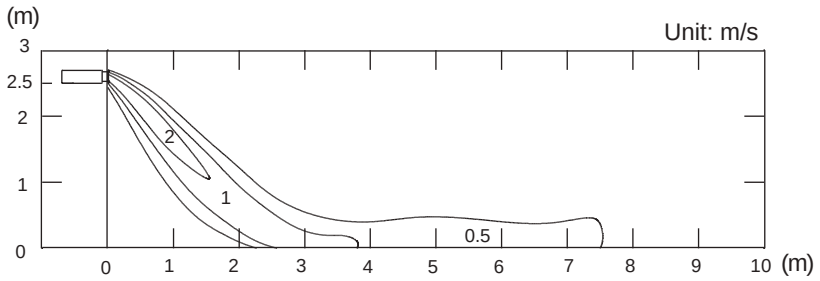


4-5 UNIT
MULTI-SPLIT TYPE

- Air velocity distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT

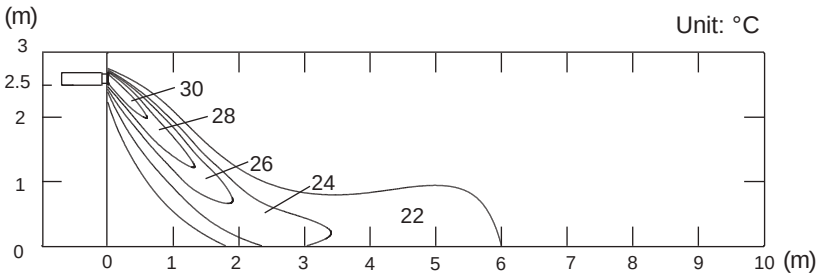
Side view
Vertical airflow direction louver: Down
Horizontal airflow direction louver: Center



- Air temperature distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT

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



4-5 UNIT
MULTI-SPLIT TYPE

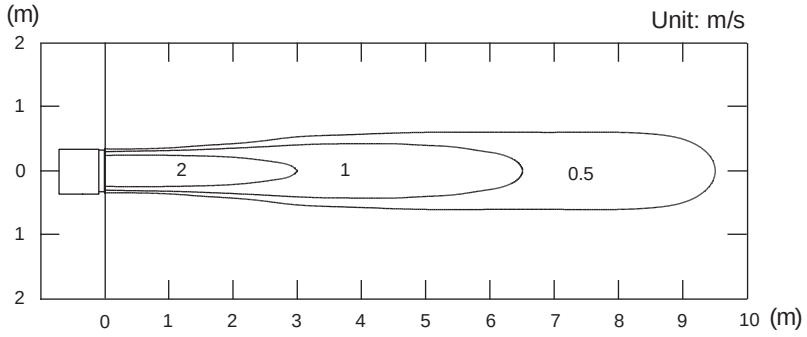
■ Model: ARXG14KLLAP

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

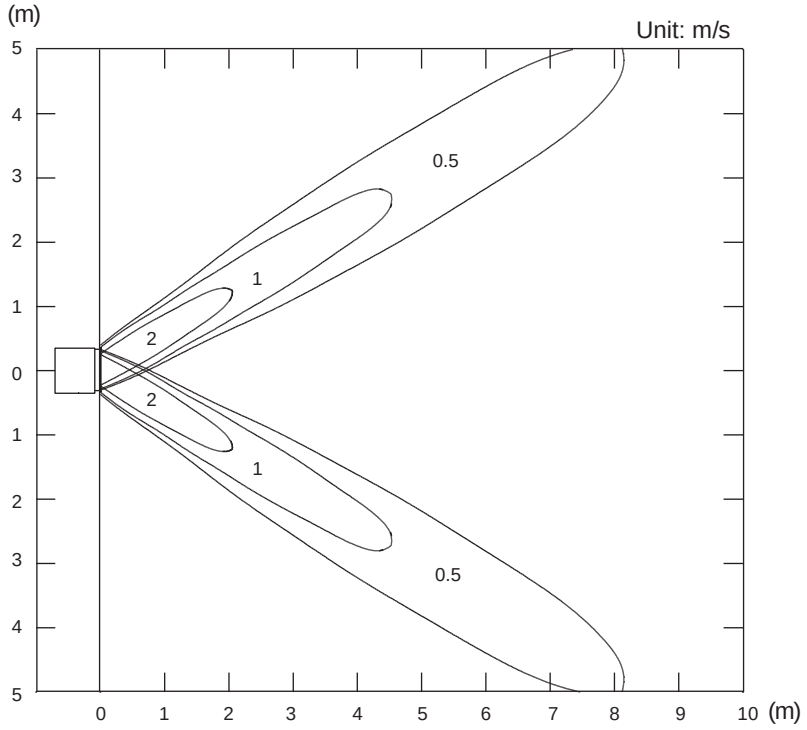
- Air velocity distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

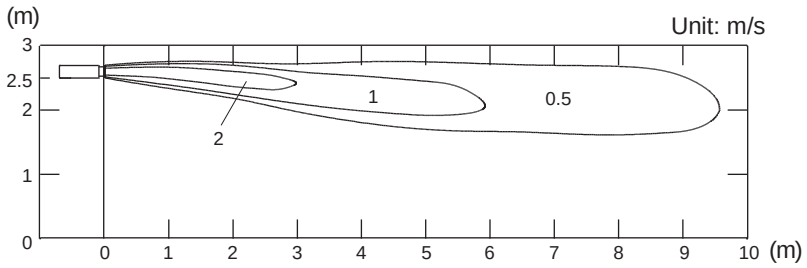
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Center



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

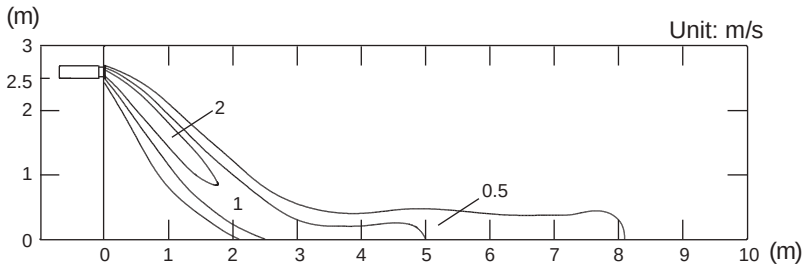


4-5 UNIT
MULTI-SPLIT TYPE

- Air velocity distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT

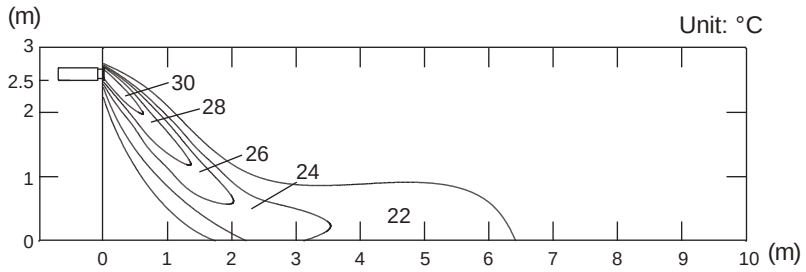
Side view
Vertical airflow direction louver: Down
Horizontal airflow direction louver: Center



- Air temperature distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT

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



4-5 UNIT
MULTI-SPLIT TYPE

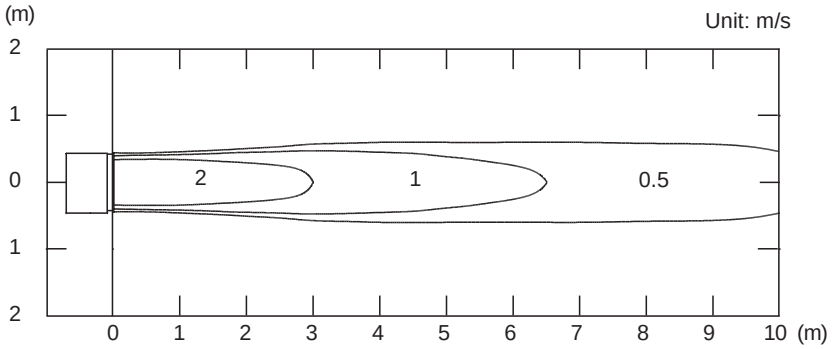
■ Model: ARXG18KLLAP

NOTE: This data is measured installing the Auto louver grille kit (option).

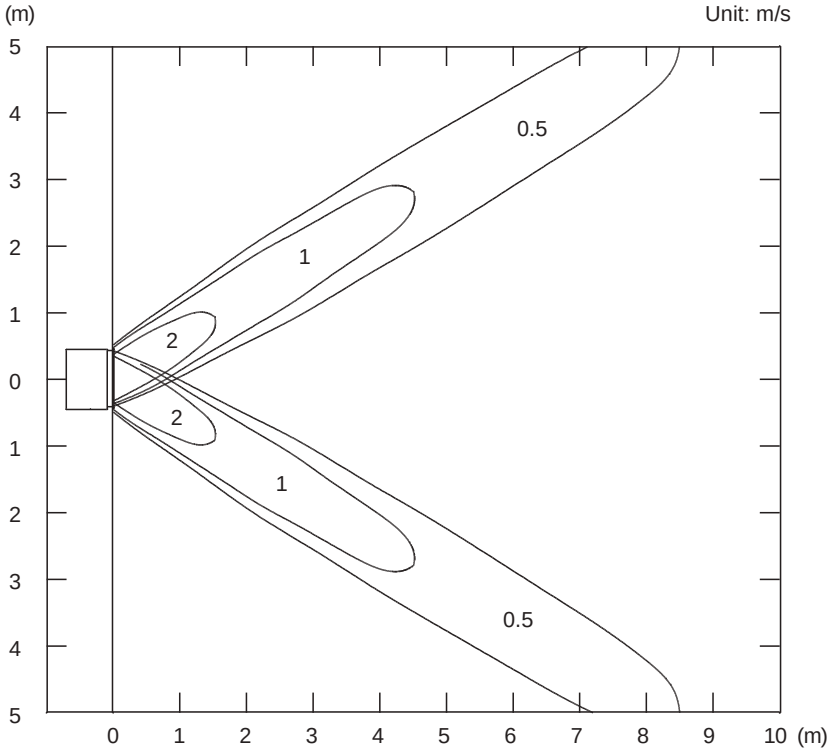
Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

- Air velocity distribution

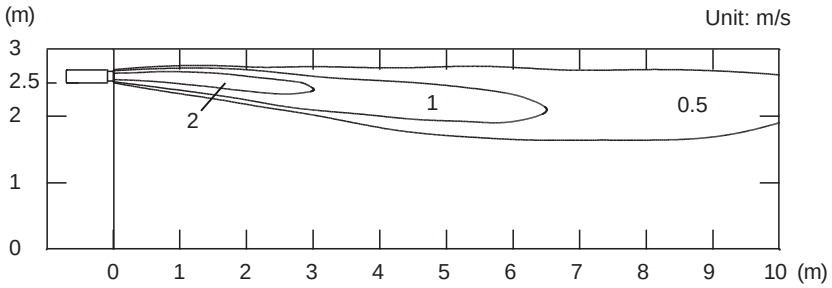
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Center



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

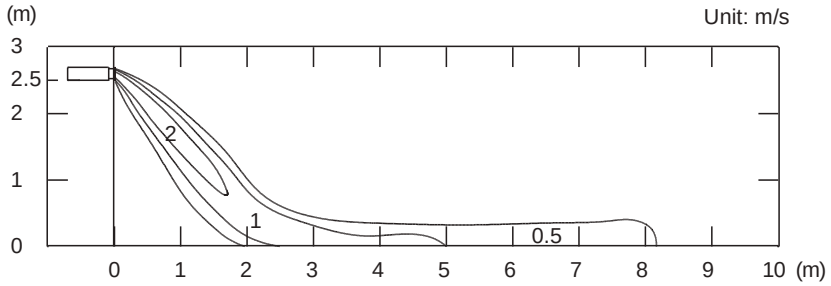


4-5 UNIT
MULTI-SPLIT TYPE

Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT

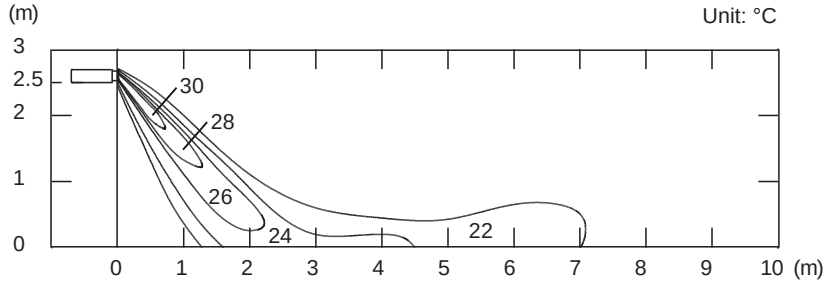
- Air velocity distribution

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



- Air temperature distribution

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



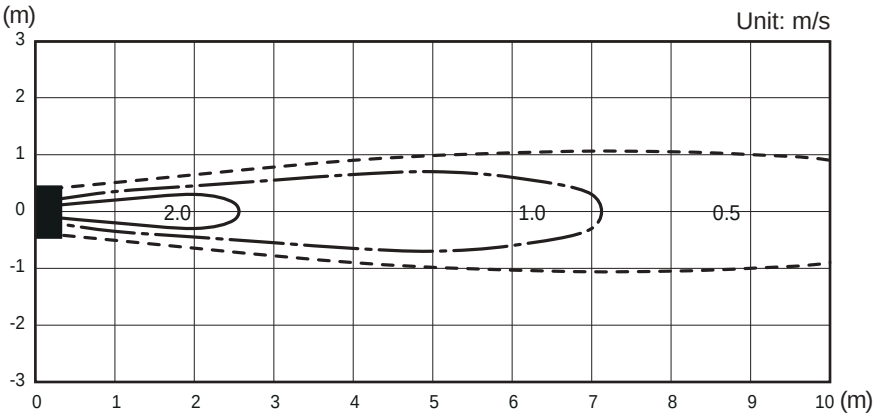
4-5 UNIT
MULTI-SPLIT TYPE

5-4. Wall mounted type

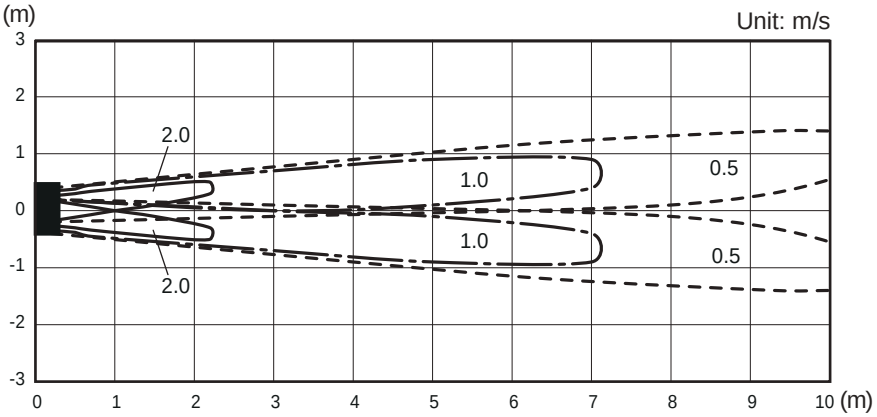
■ Models: ASYG07KGTB, ASYG09KGTB, ASYG07KMTB, ASYG09KMTB, ASYG12KMTB, ASYG07KMCC, ASYG09KMCC, ASYG12KMCC, ASYG07KETA, ASYG09KETA, ASYG12KETA, ASYG07KETA-B, ASYG09KETA-B, and ASYG12KETA-B

Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

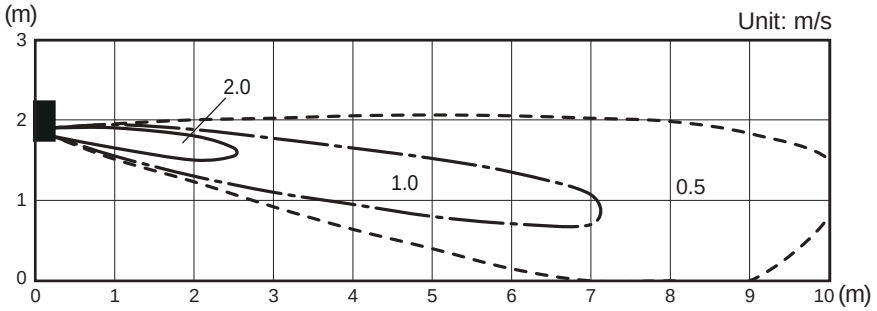
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Center



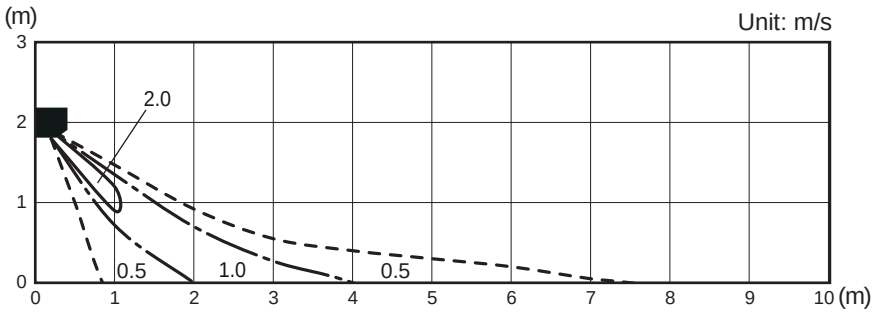
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Left & Right



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



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

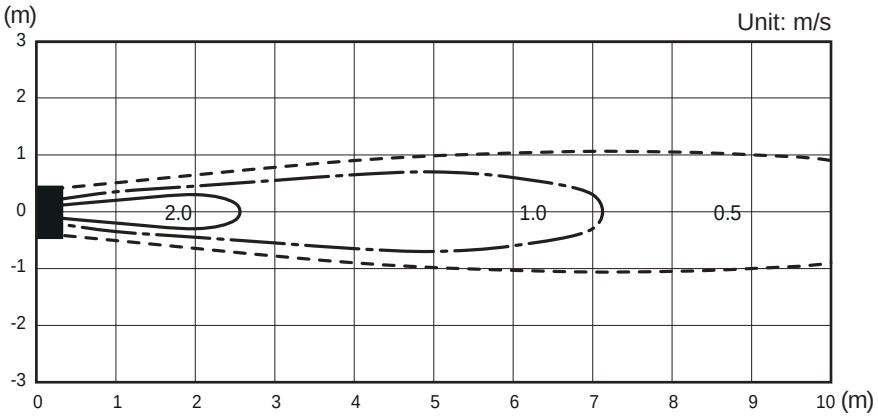


4-5 UNIT
MULTI-SPLIT TYPE

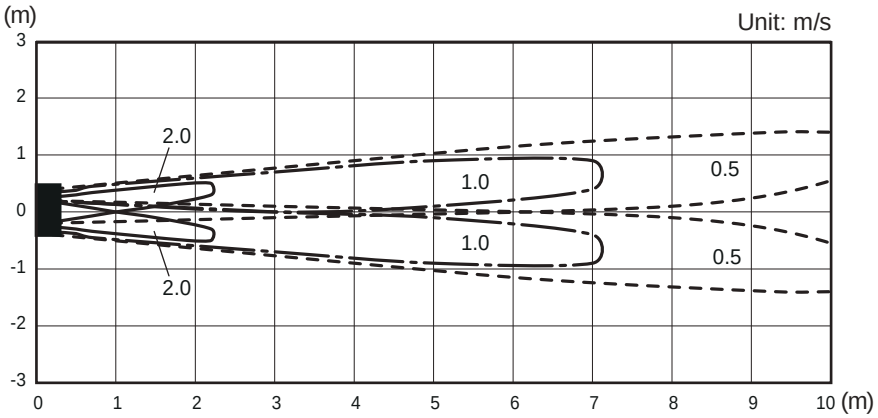
■ Models: ASYG18KMTB, ASYG22KMTB, and ASYG24KMTB

Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

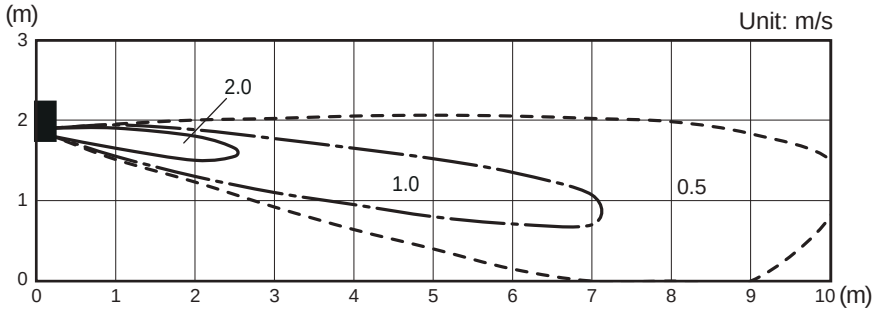
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Center



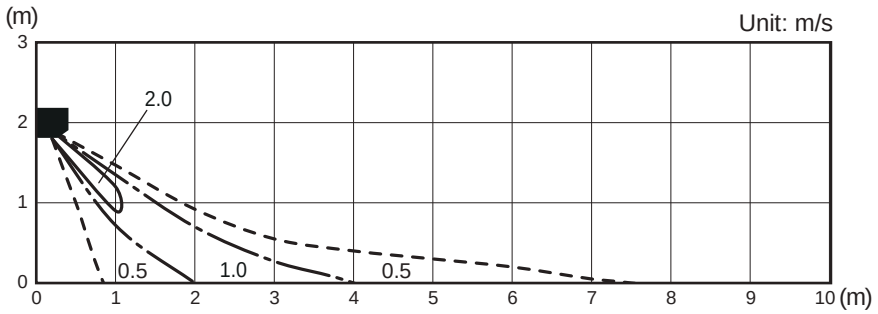
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Left & Right



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



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

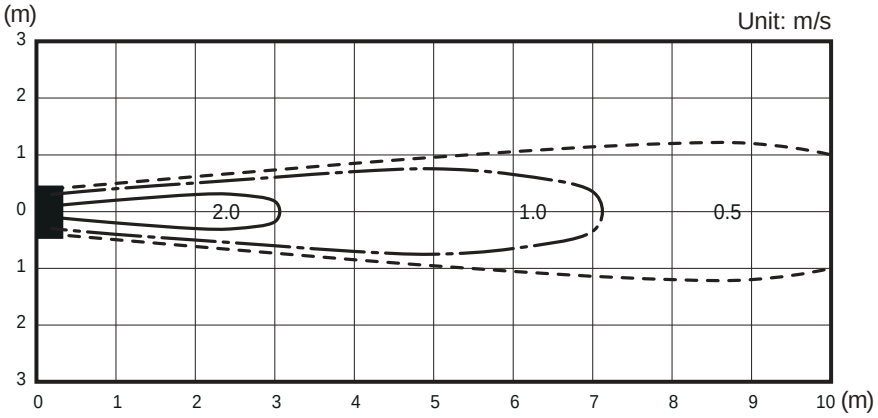


4-5 UNIT MULTI-SPLIT TYPE

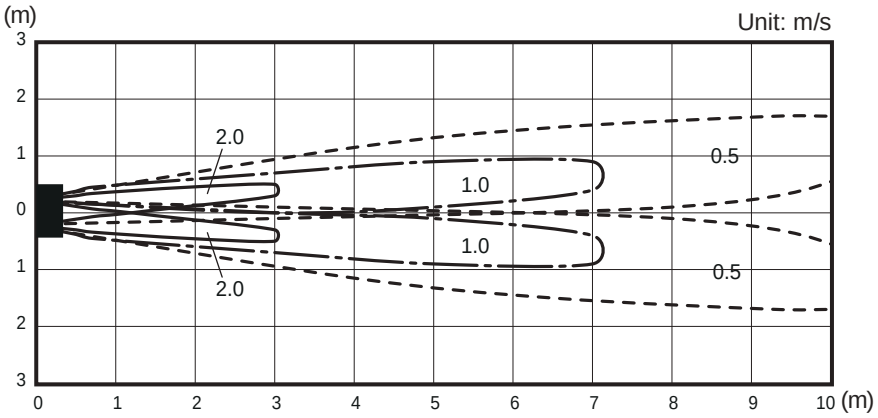
■ Models: ASYG12KGTB, ASYG14KGTB, ASYG14KMTB, ASYG14KMCC, ASYG14KETA, and ASYG14KETA-B

Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

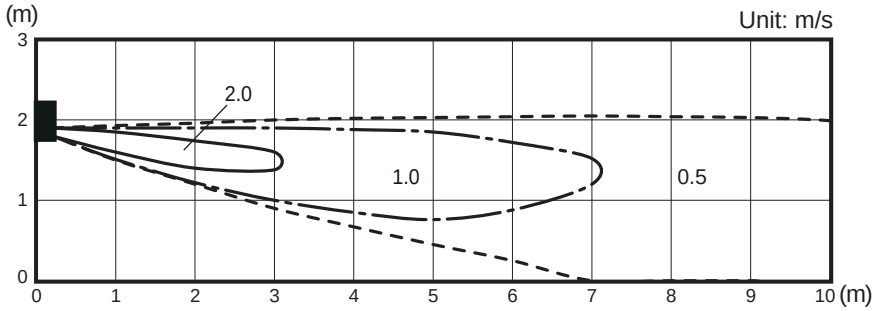
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Center



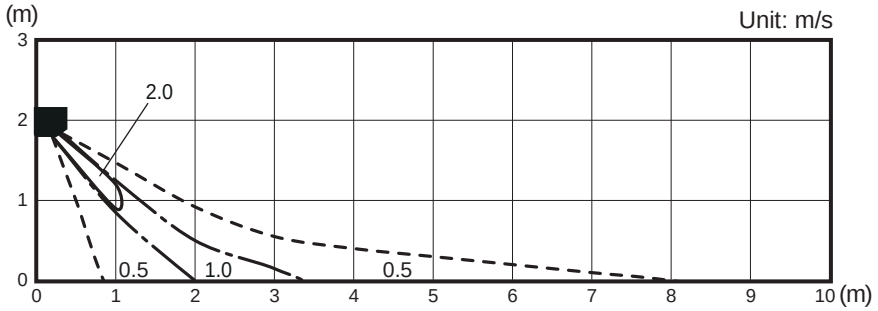
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Left & Right



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



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



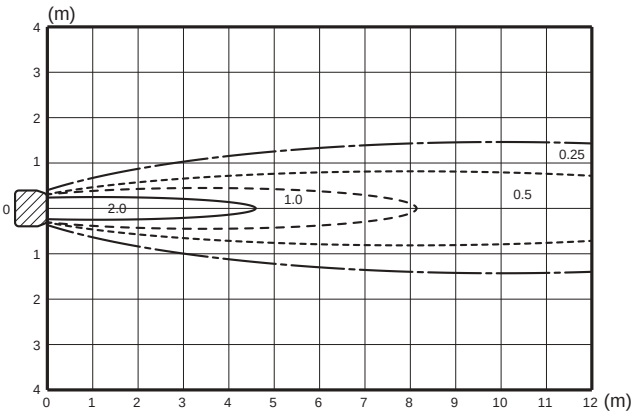
4-5 UNIT
MULTI-SPLIT TYPE

5-5. Ceiling type

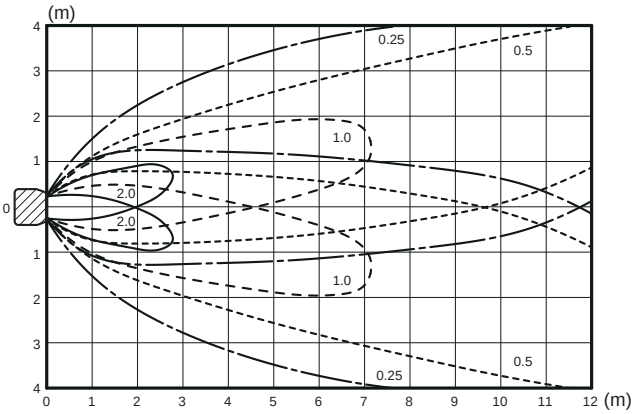
■ Model: ABYG18KRTA

Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

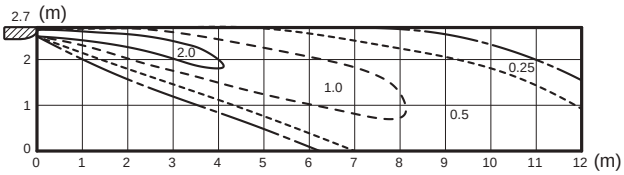
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Center



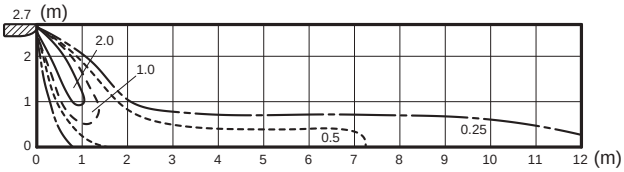
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Left & Right



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



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

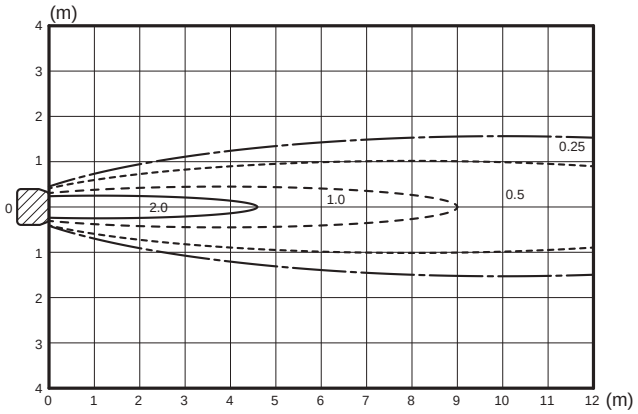


4-5 UNIT
MULTI-SPLIT TYPE

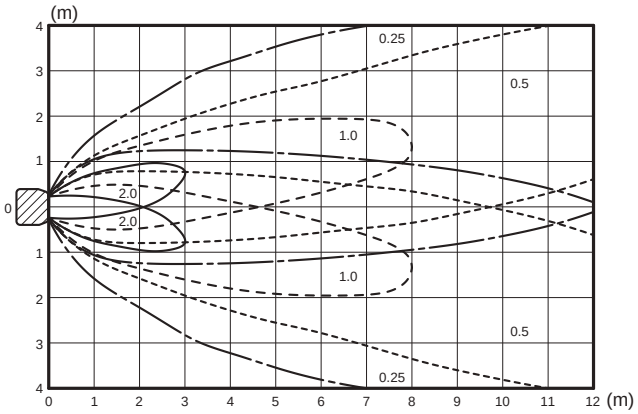
■ Model: ABYG22KRTA

Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

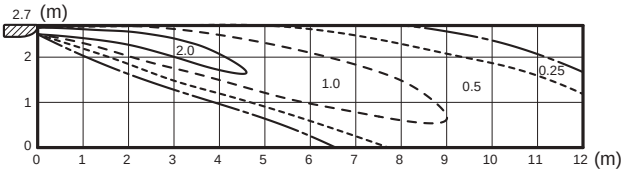
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Center



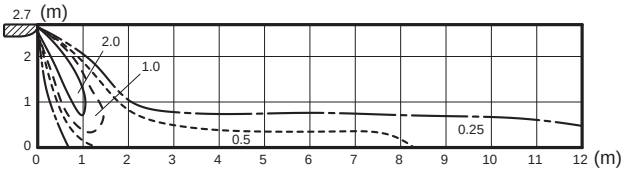
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Left & Right



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



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



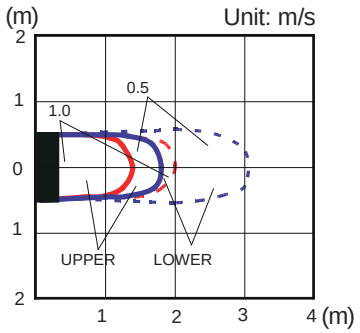
4-5 UNIT
MULTI-SPLIT TYPE

5-6. Floor type

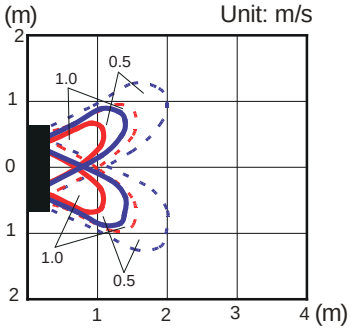
■ Models: AGYG09KVCA, AGYG12KVCA, and AGYG14KVCA

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

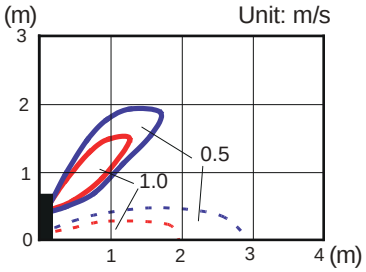
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Center



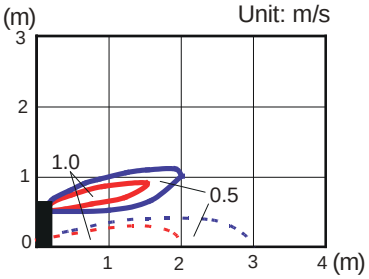
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Left & Right



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



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

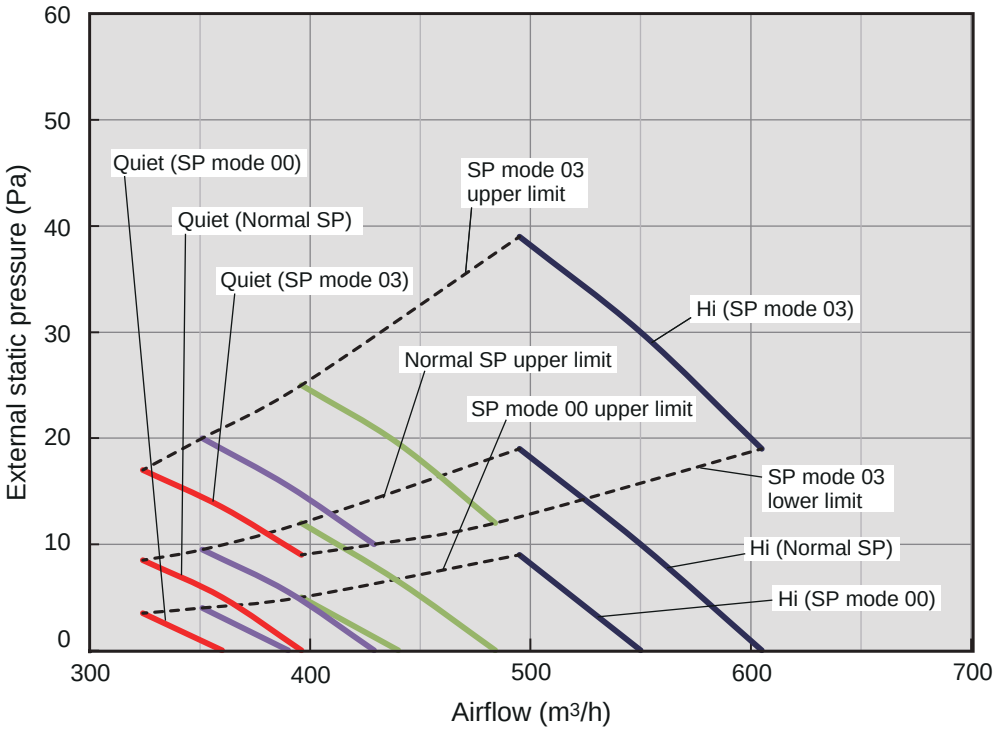


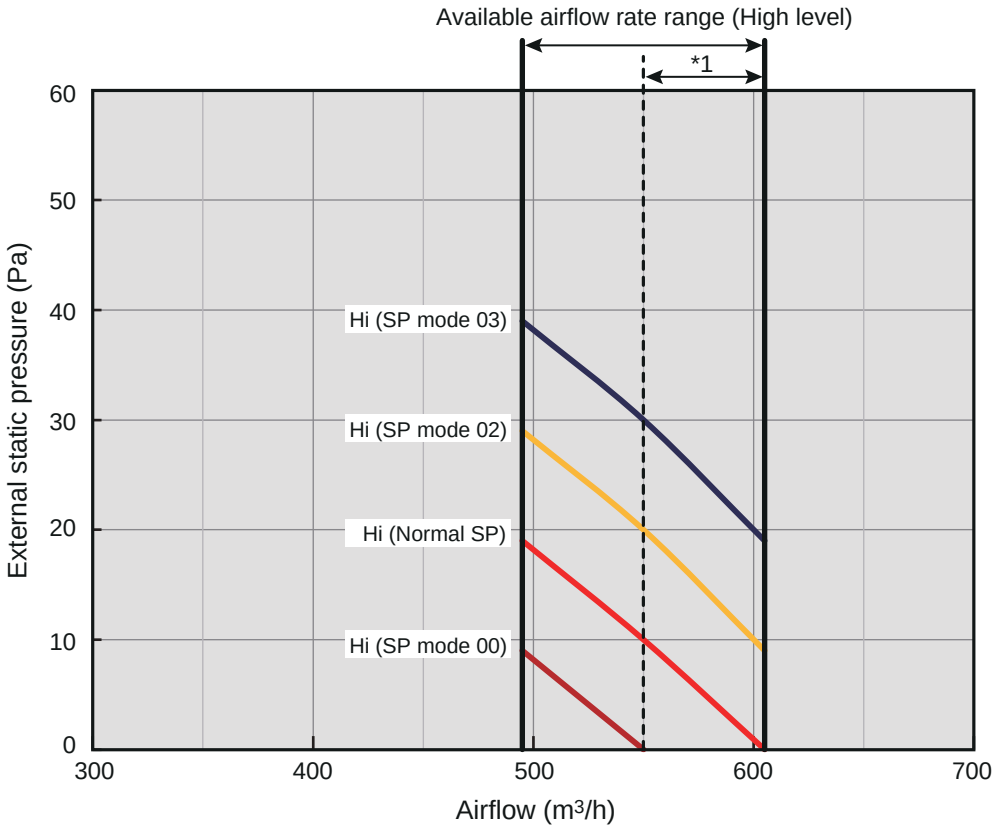
4-5 UNIT
MULTI-SPLIT TYPE

6. Fan performance

6-1. Mini duct type

■ Model: ARXG07KSLAP



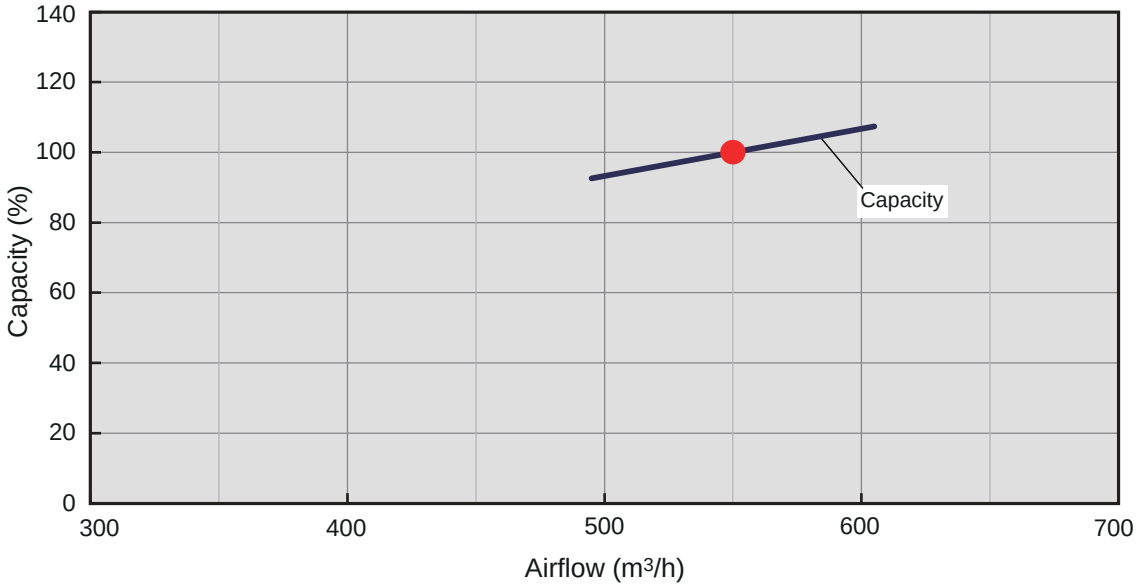


*1: Available airflow rate range when Auto louver grille (option) is installed.
Fan speed: HIGH
Vertical airflow direction louver: Up

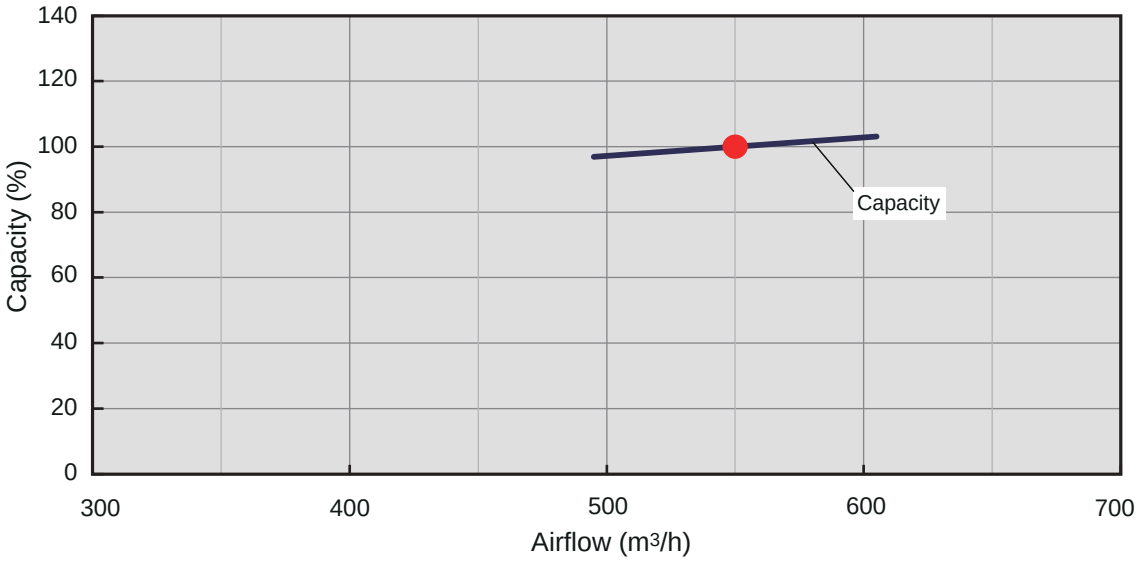
4-5 UNIT
MULTI-SPLIT TYPE

● Characteristics of air volume and capacity

- **Cooling**

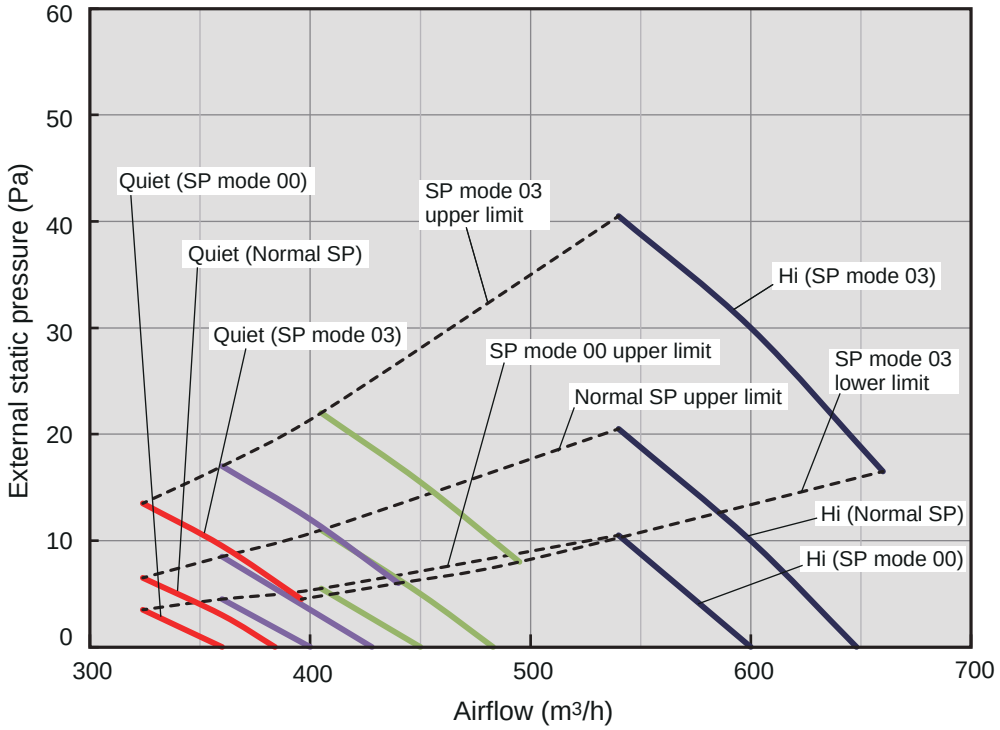


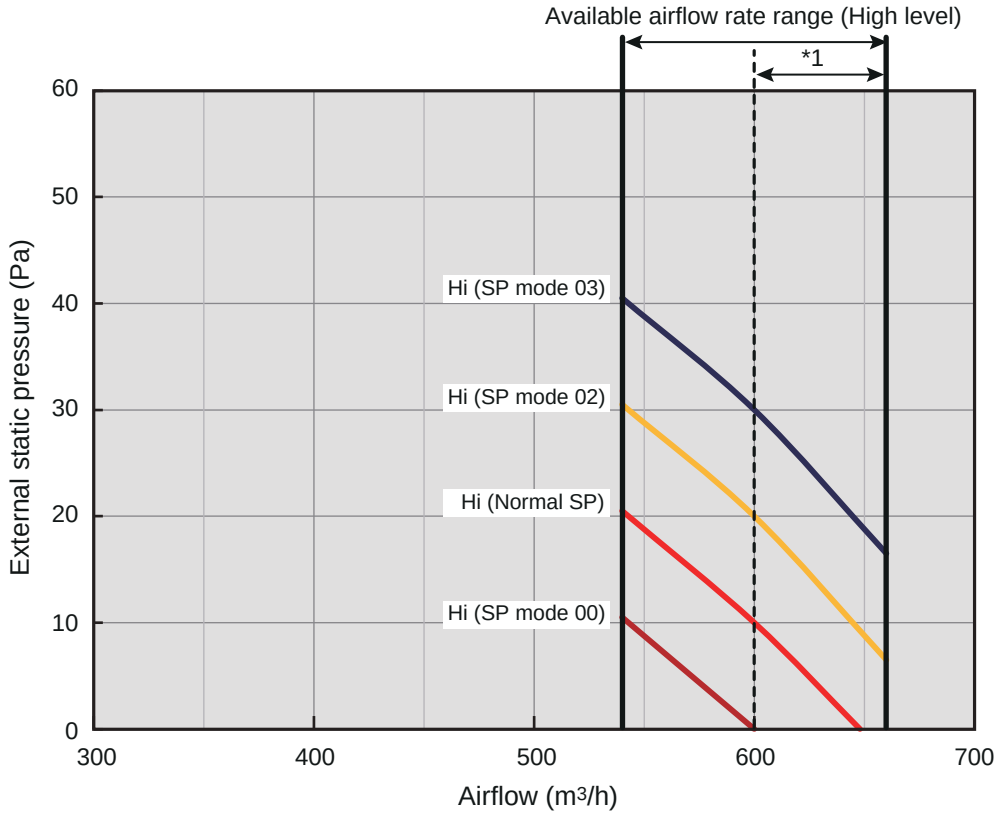
- **Heating**



4-5 UNIT
MULTI-SPLIT TYPE

■ Model: ARXG09KSLAP



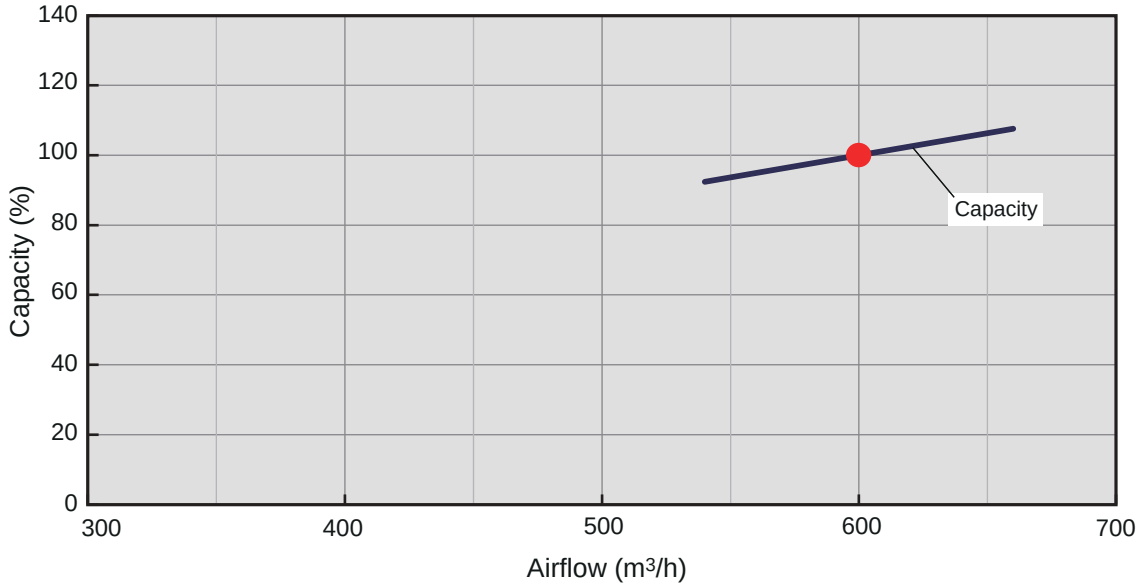


*1: Available airflow rate range when Auto louver grille (option) is installed.
Fan speed: HIGH
Vertical airflow direction louver: Up

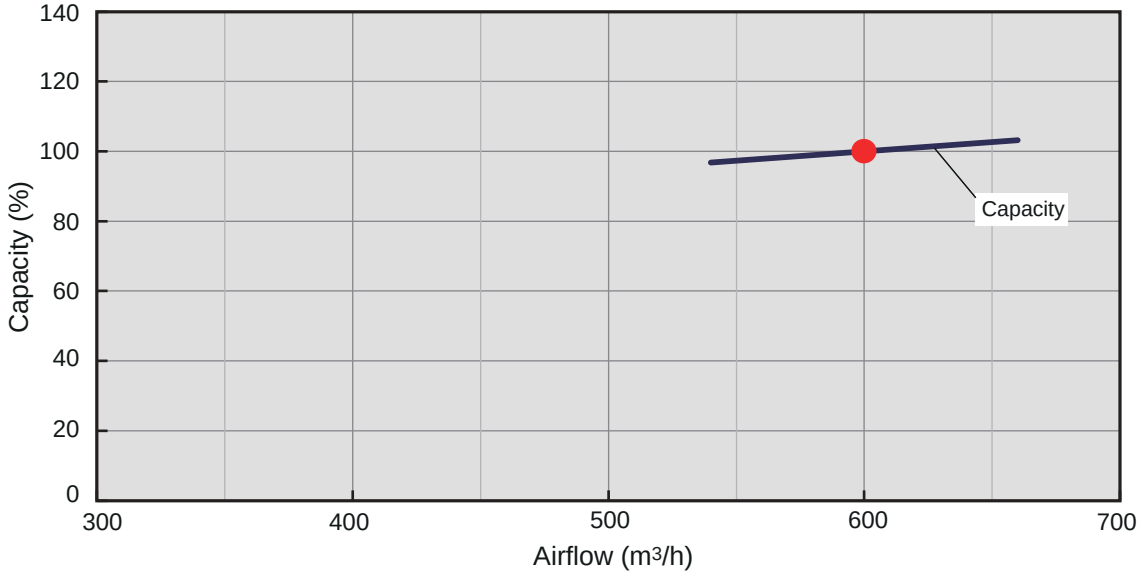
4-5 UNIT
MULTI-SPLIT TYPE

● Characteristics of air volume and capacity

- **Cooling**

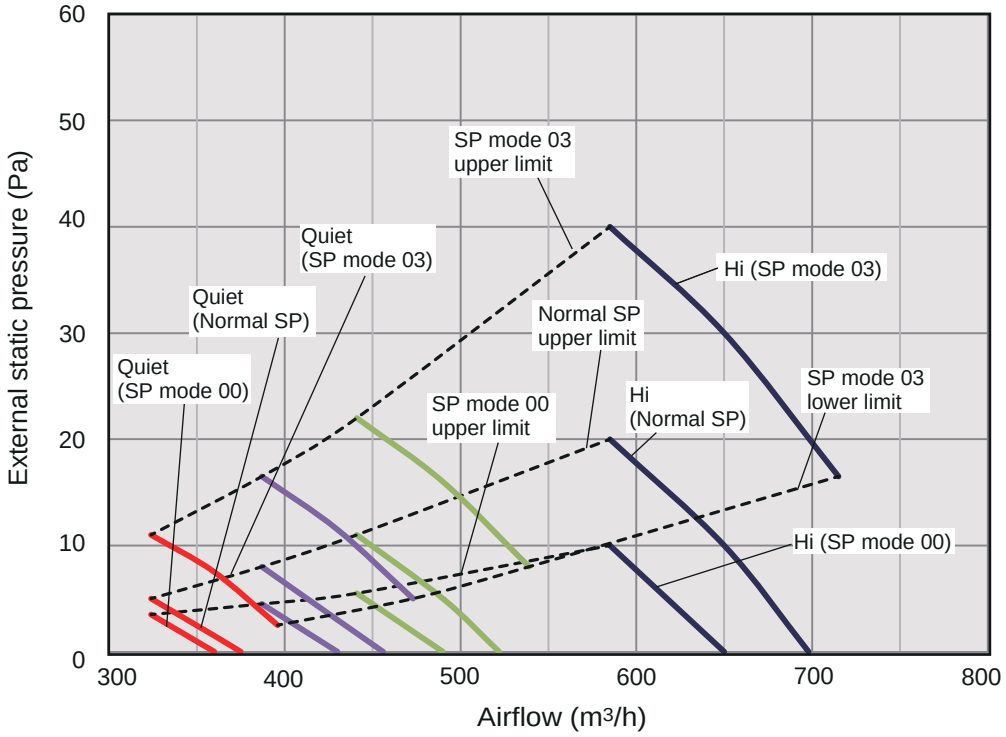


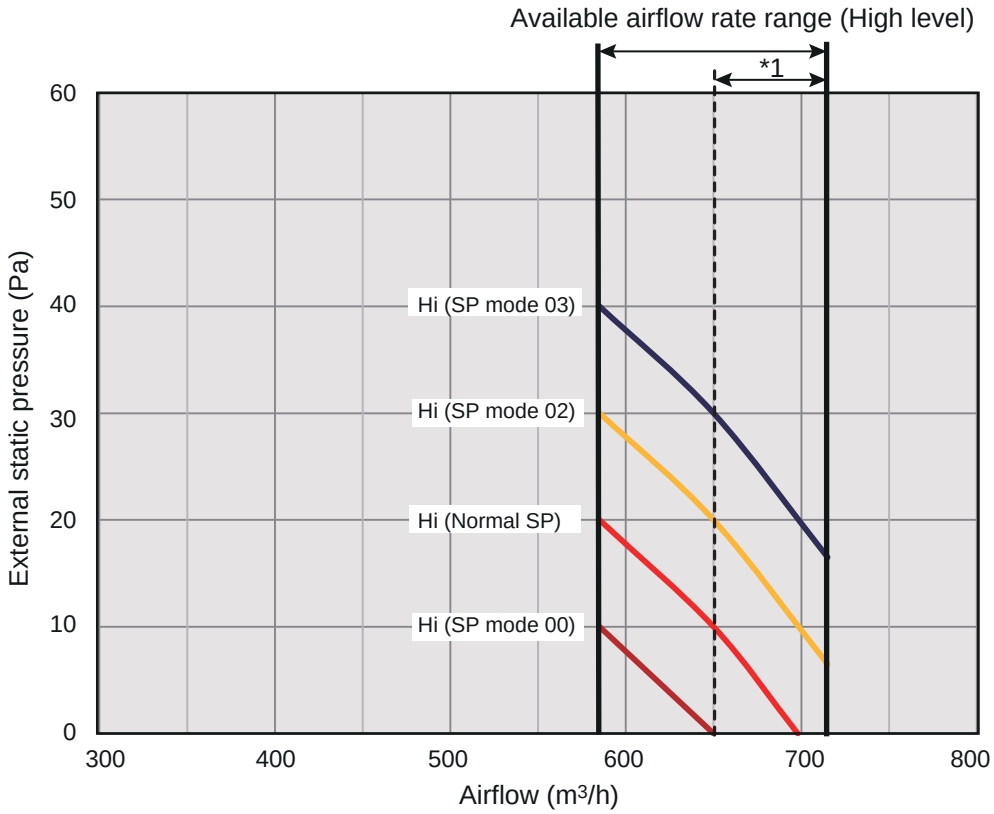
- **Heating**



4-5 UNIT
MULTI-SPLIT TYPE

■ Model: ARXG12KSLAP



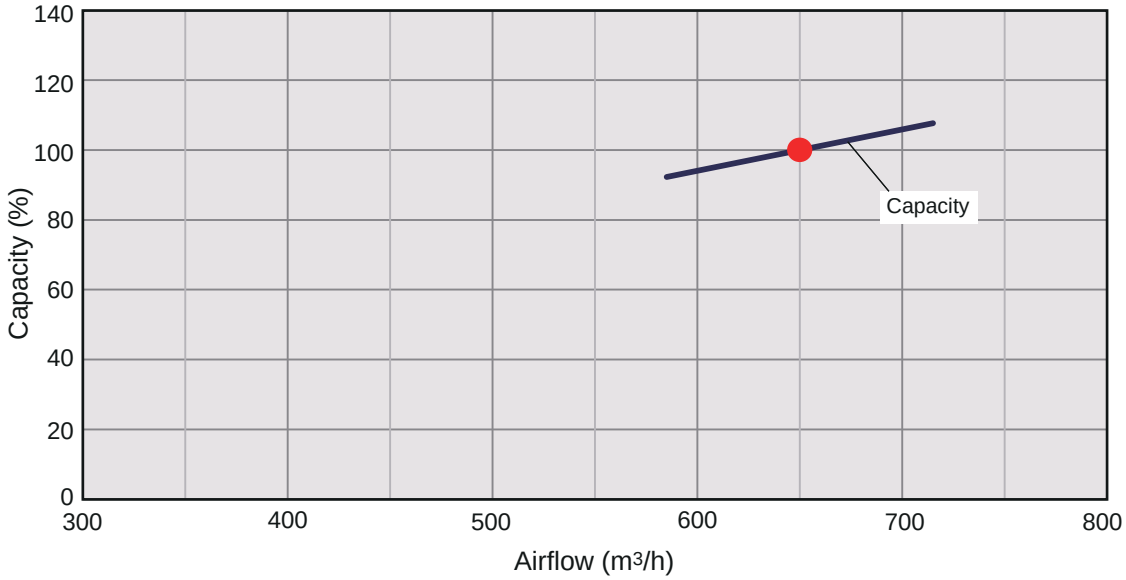


*1: Available airflow rate range when Auto louver grille (option) is installed.
Fan speed: HIGH
Vertical airflow direction louver: Up

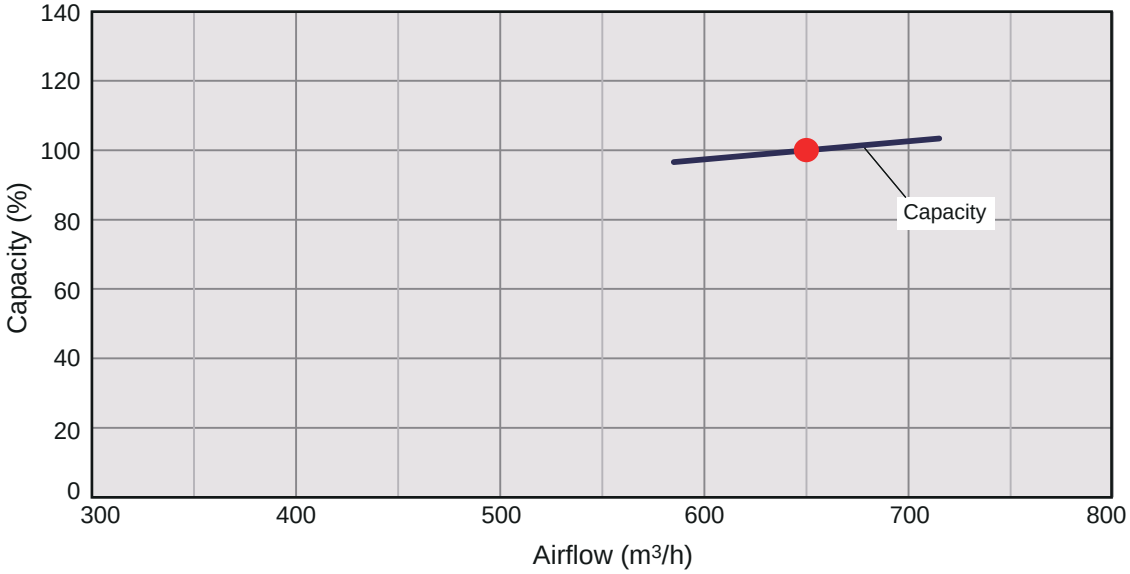
4-5 UNIT
MULTI-SPLIT TYPE

● Characteristics of air volume and capacity

- **Cooling**

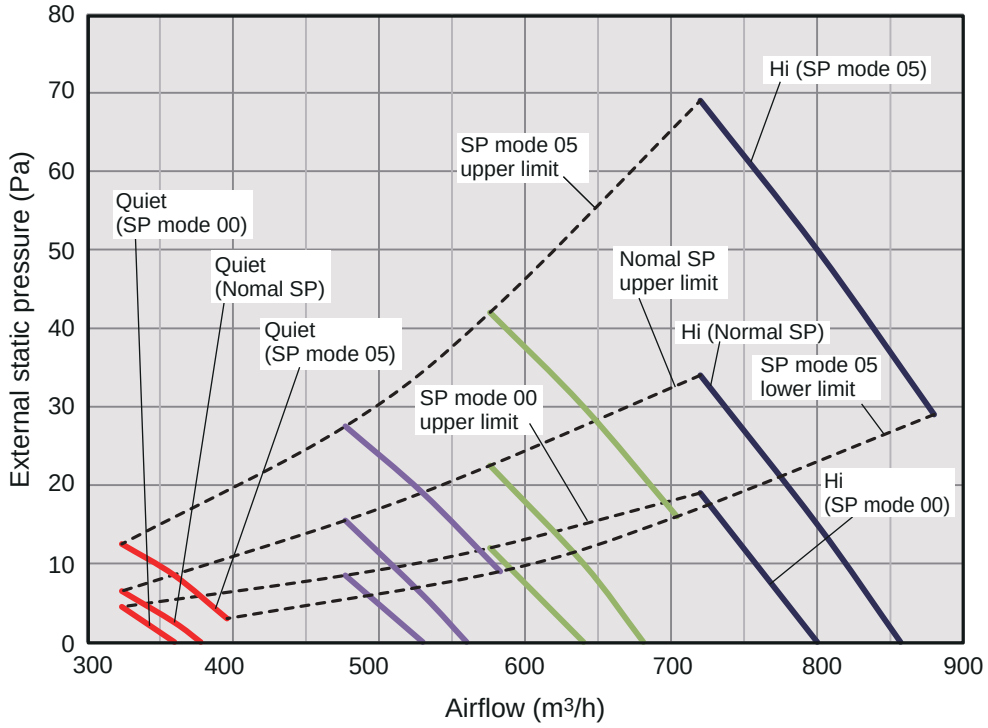


- **Heating**

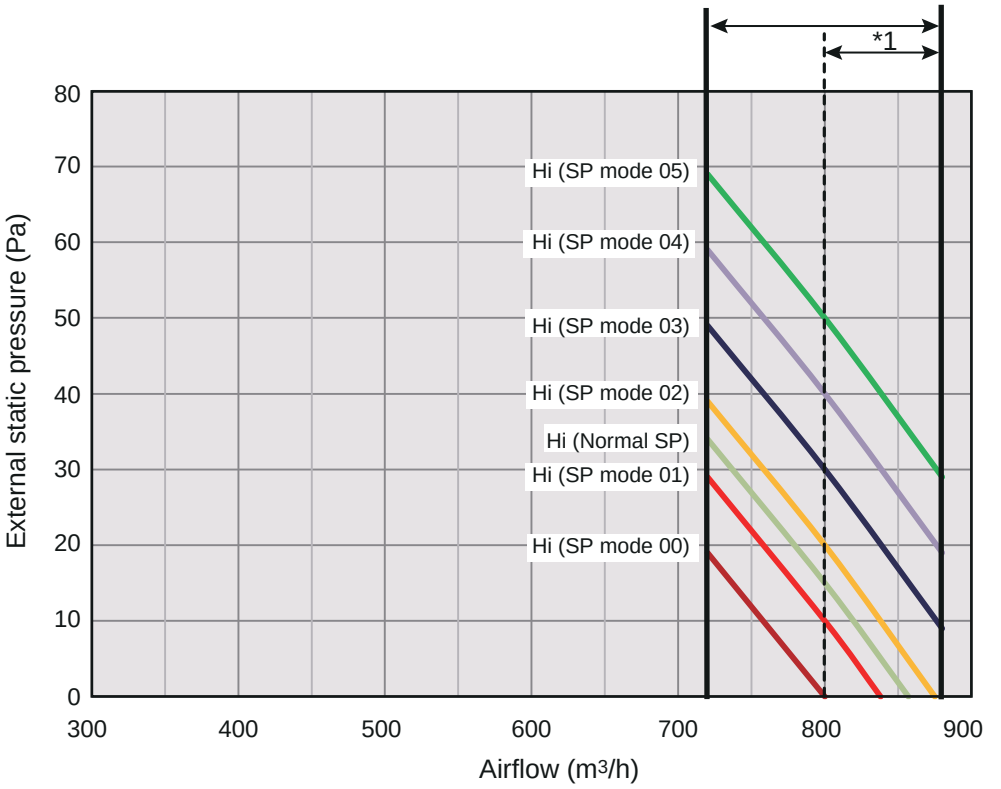


4-5 UNIT
MULTI-SPLIT TYPE

■ Model: ARXG14KSLAP



Available airflow rate range (High level)

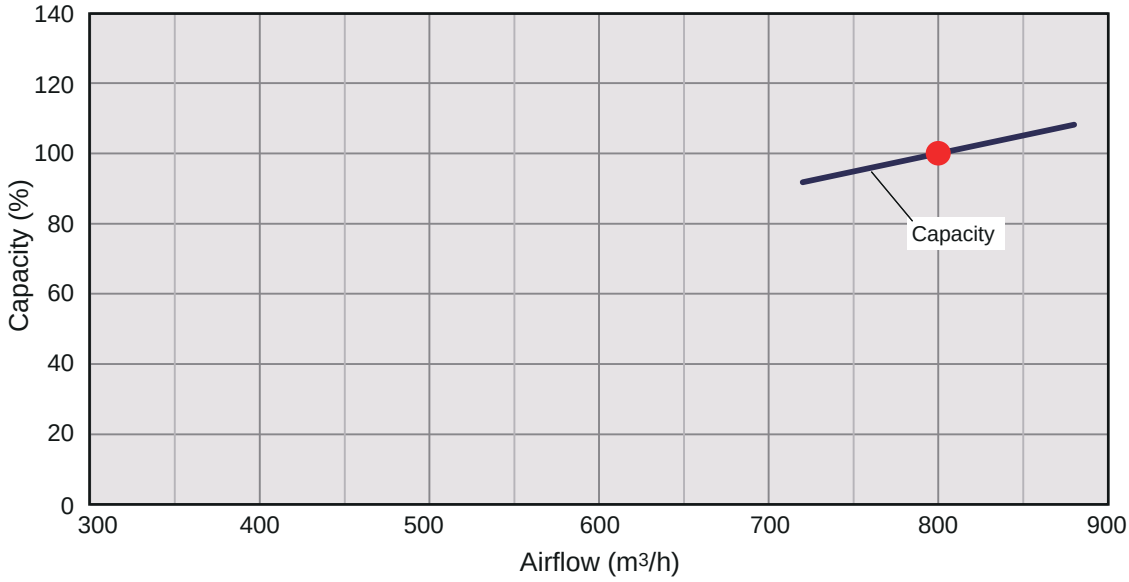


*1: Available airflow rate range when Auto louver grille (option) is installed.
Fan speed: HIGH
Vertical airflow direction louver: Up

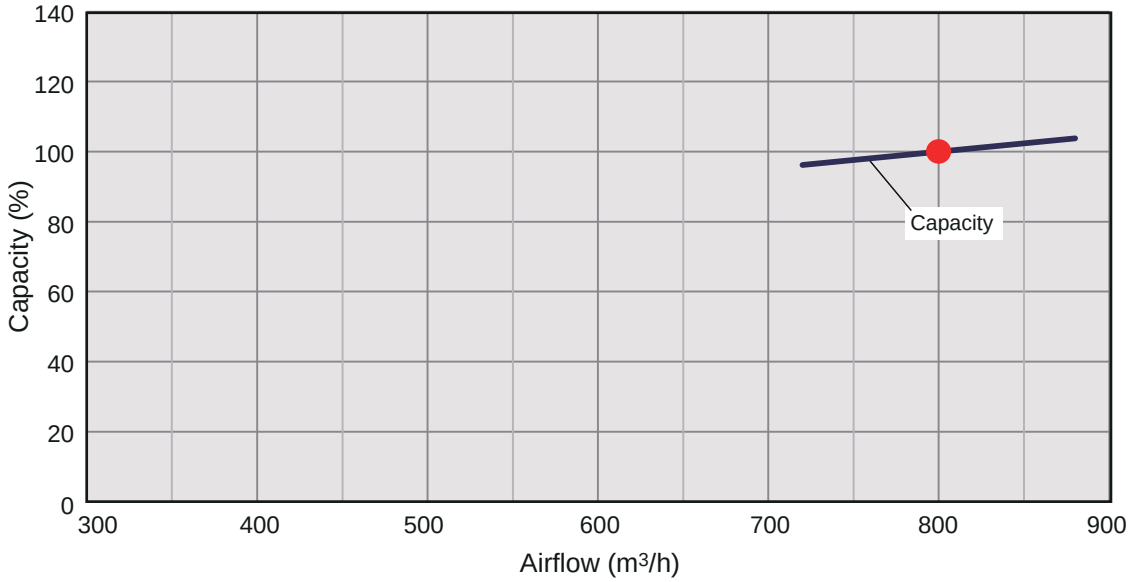
4-5 UNIT
MULTI-SPLIT TYPE

● Characteristics of air volume and capacity

- **Cooling**

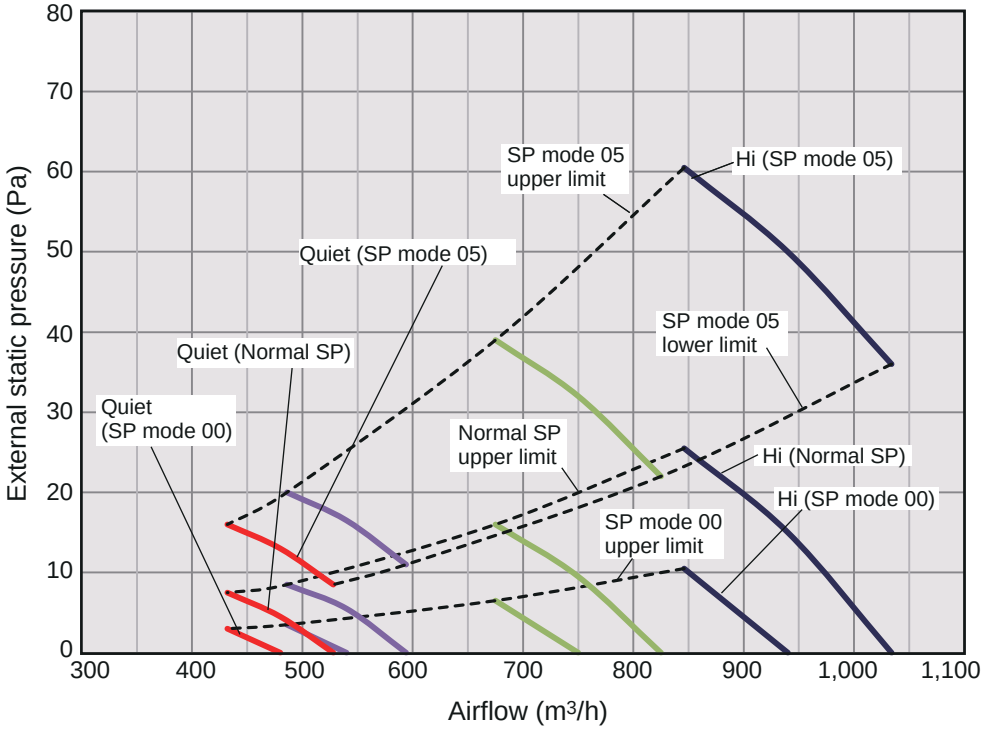


- **Heating**

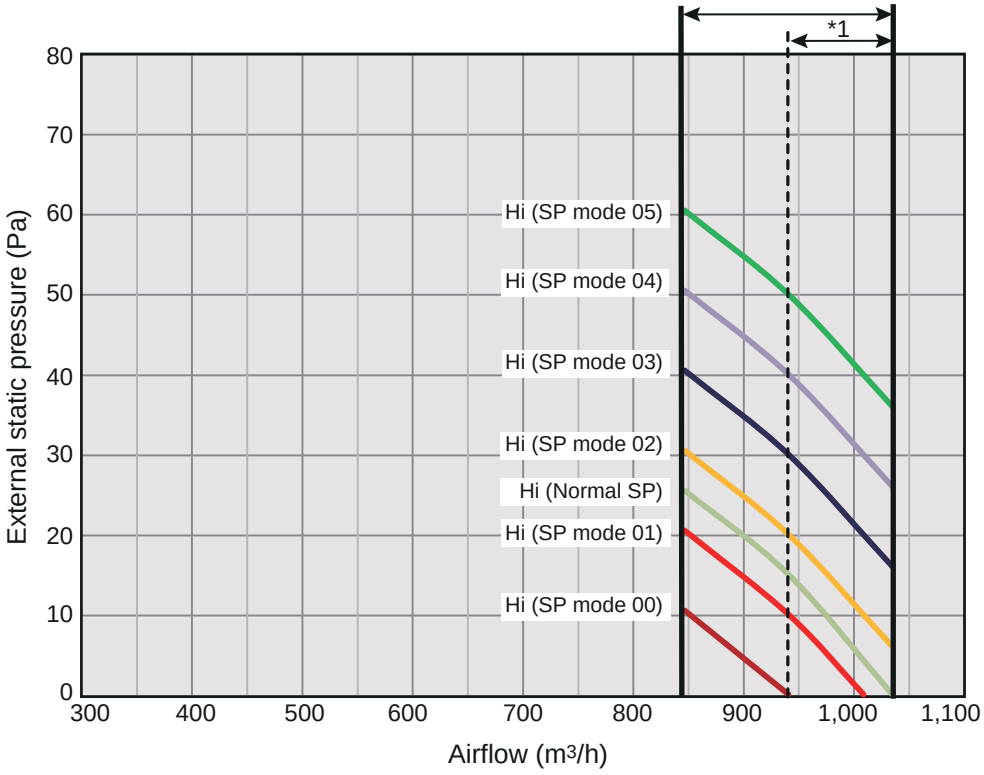


4-5 UNIT
MULTI-SPLIT TYPE

■ Model: ARXG18KSLAP



Available airflow rate range (High level)

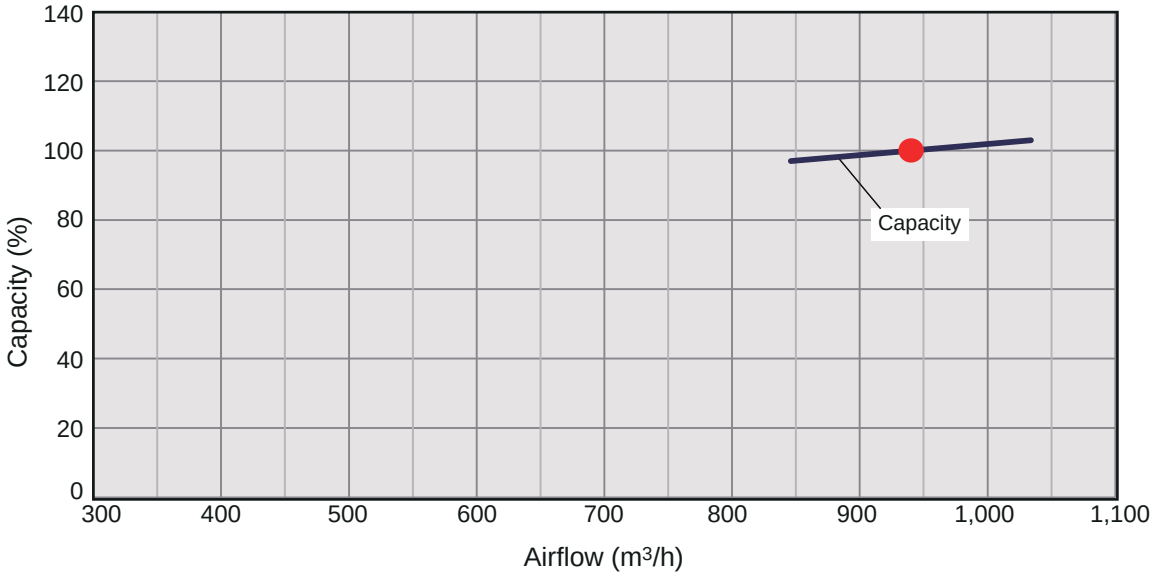


*1: Available airflow rate range when Auto louver grille (option) is installed.
Fan speed: HIGH
Vertical airflow direction louver: Up

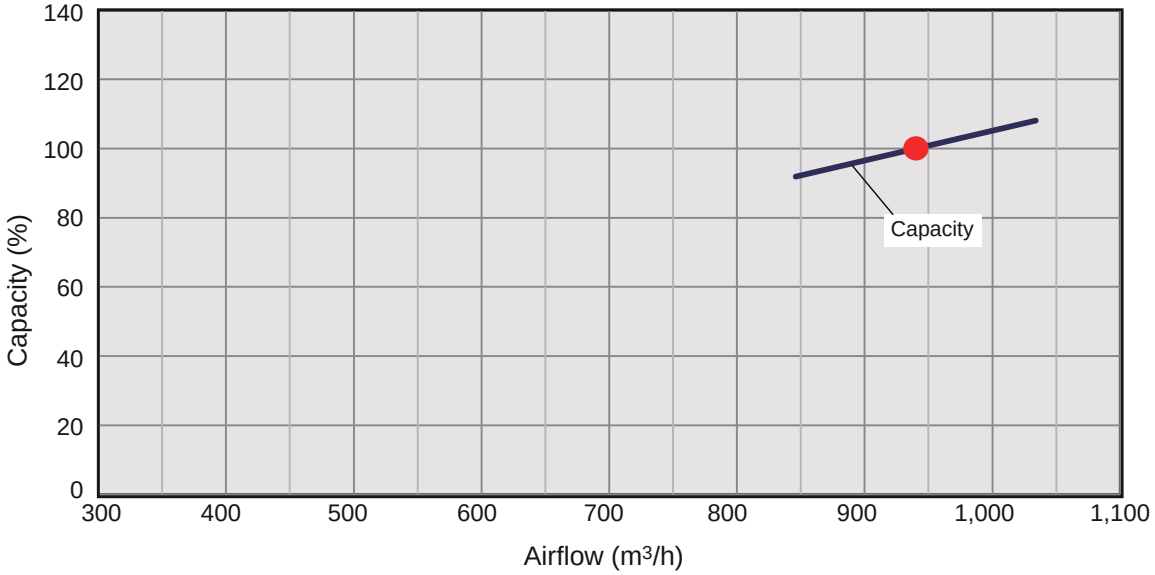
4-5 UNIT
MULTI-SPLIT TYPE

● Characteristics of air volume and capacity

- **Cooling**



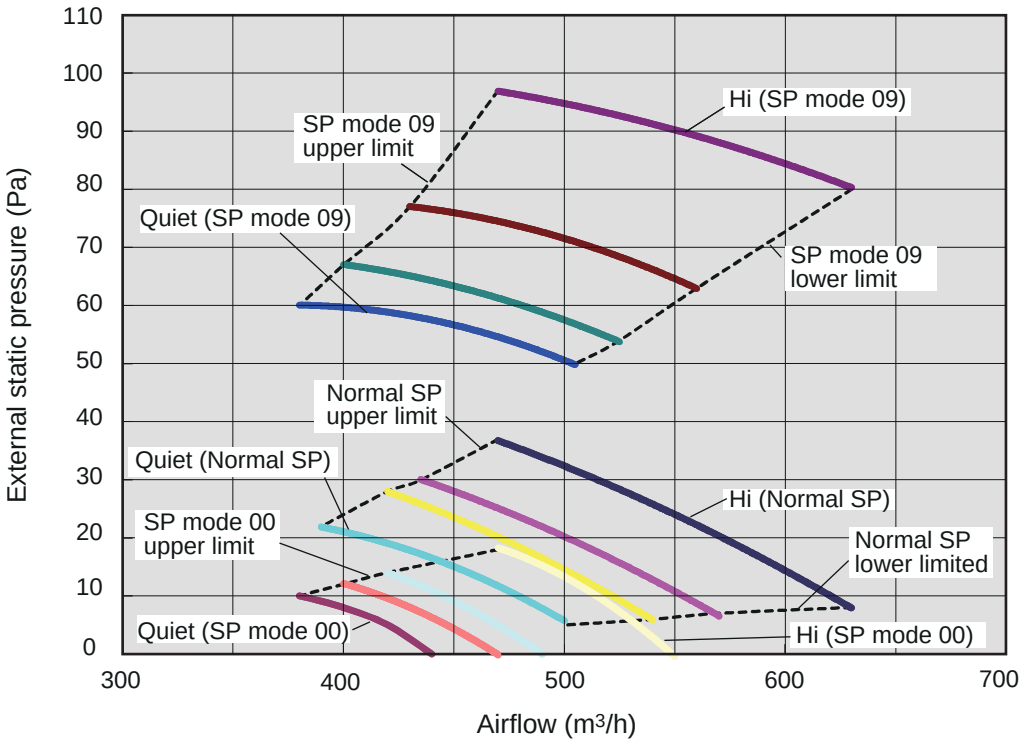
- **Heating**

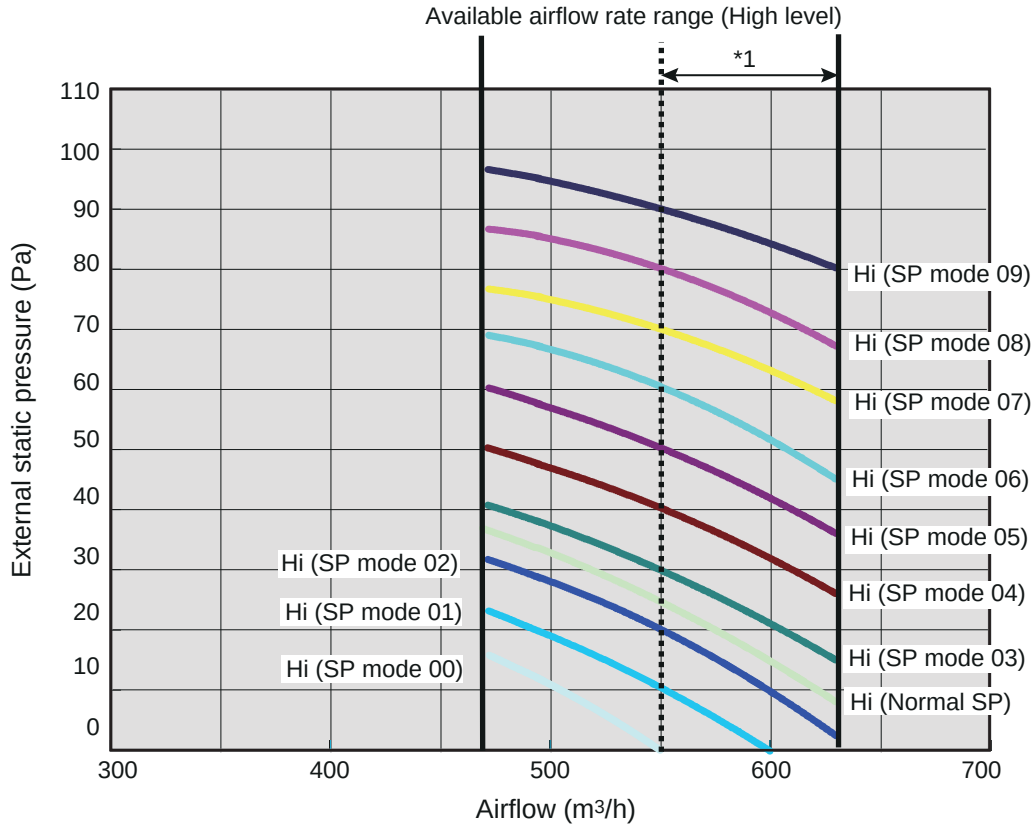


4-5 UNIT
MULTI-SPLIT TYPE

6-2. Slim duct type

■ Model: ARXG07KLLAP



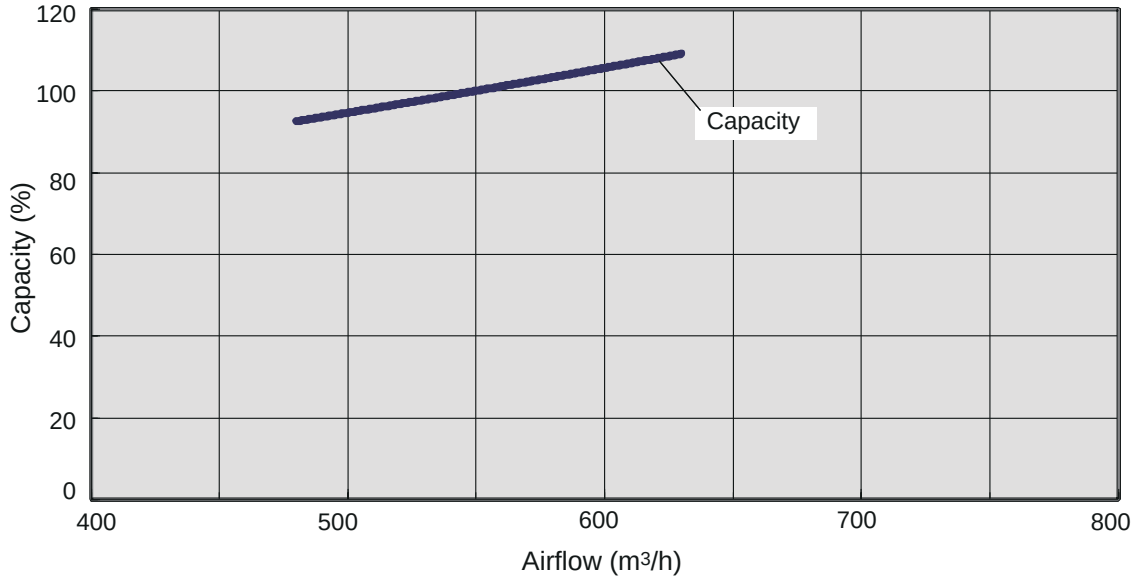


*1: Available airflow rate range when Auto louver grille (option) is installed.
Fan speed: HIGH
Vertical airflow direction louver: Up

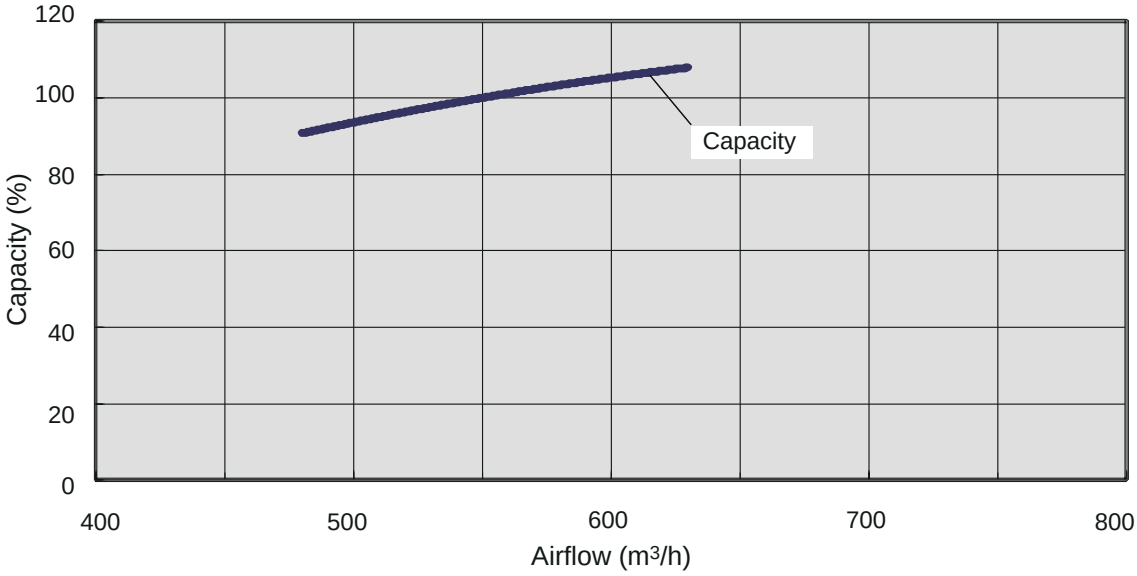
4-5 UNIT
MULTI-SPLIT TYPE

● Characteristics of air volume and capacity

- **Cooling**

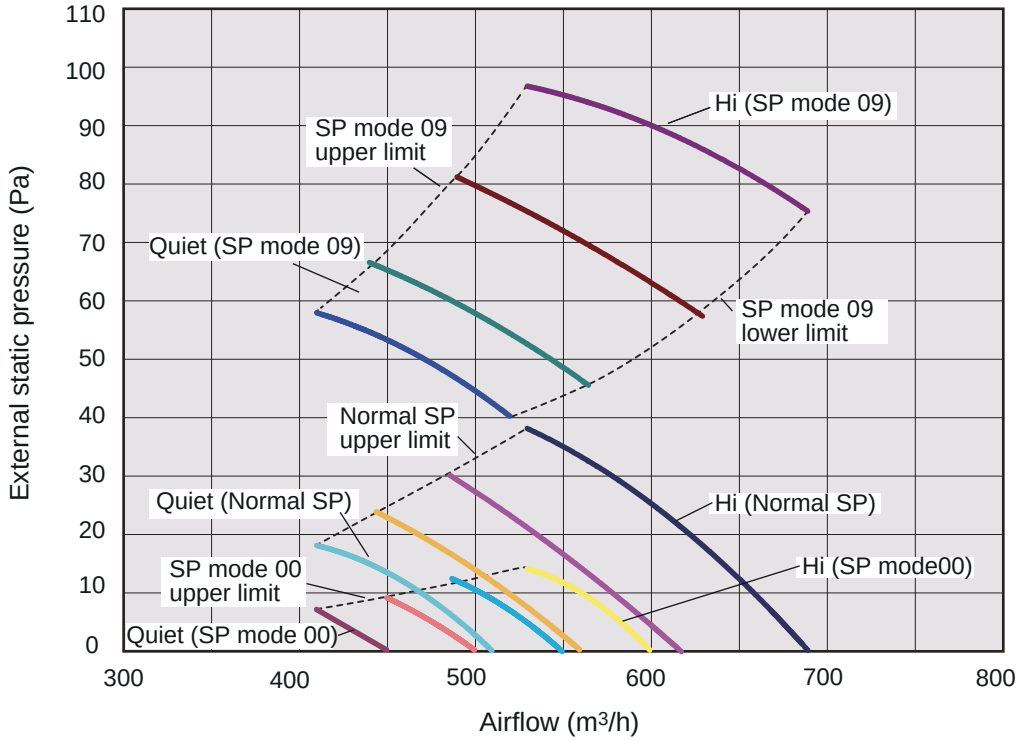


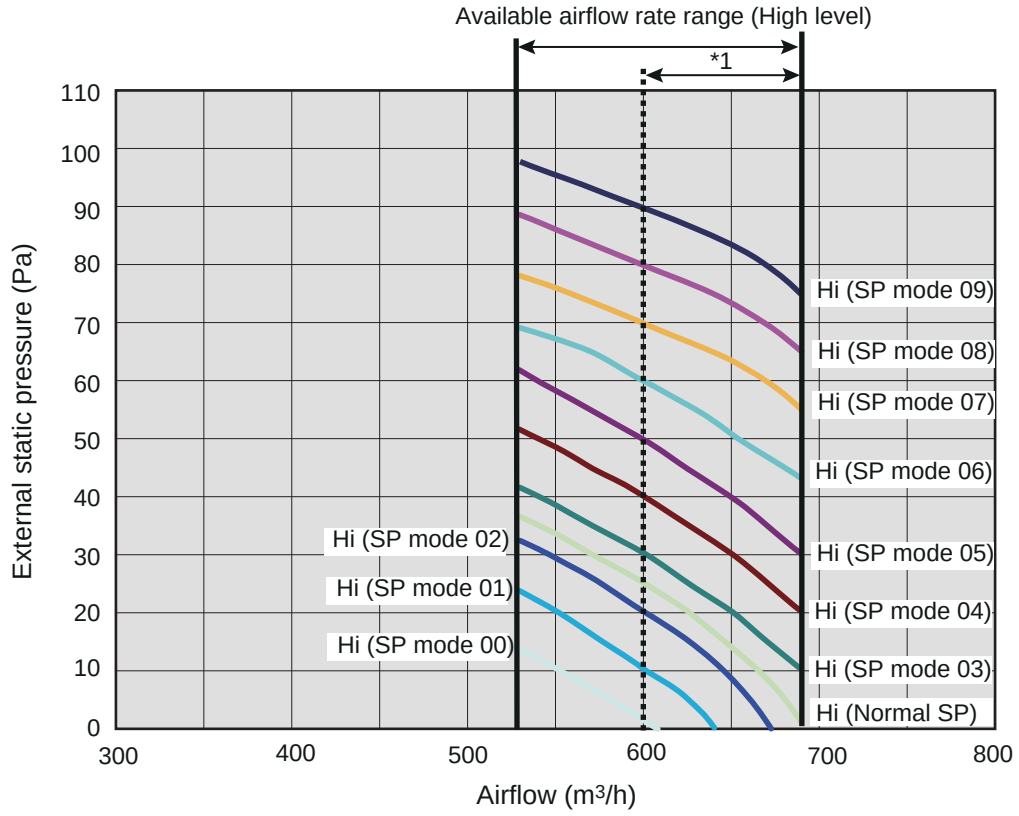
- **Heating**



4-5 UNIT
MULTI-SPLIT TYPE

■ Model: ARXG09KLLAP



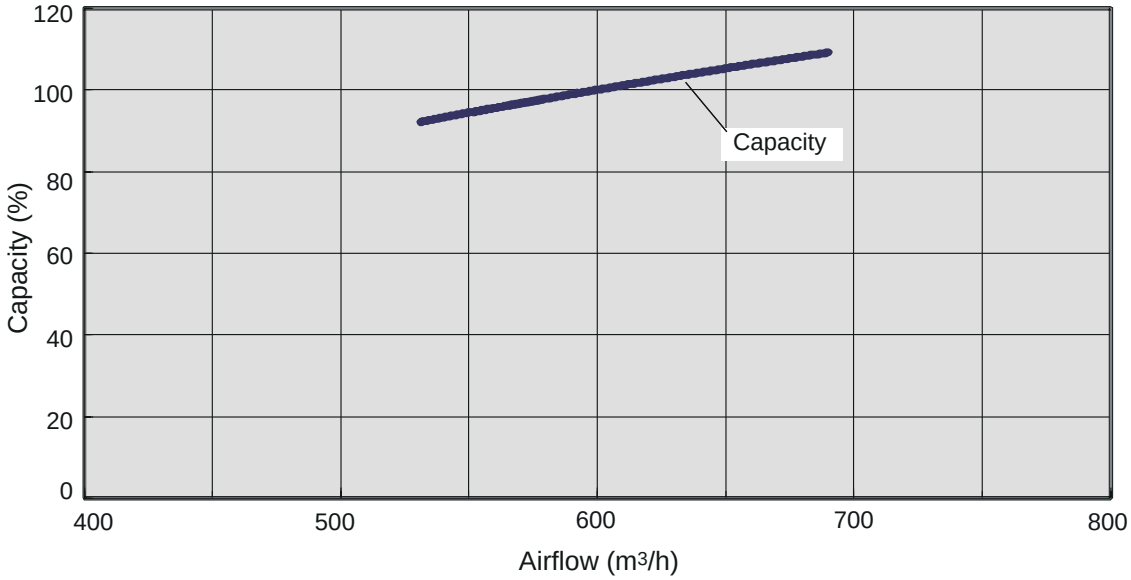


*1: Available airflow rate range when Auto louver grille (option) is installed.
Fan speed: HIGH
Vertical airflow direction louver: Up

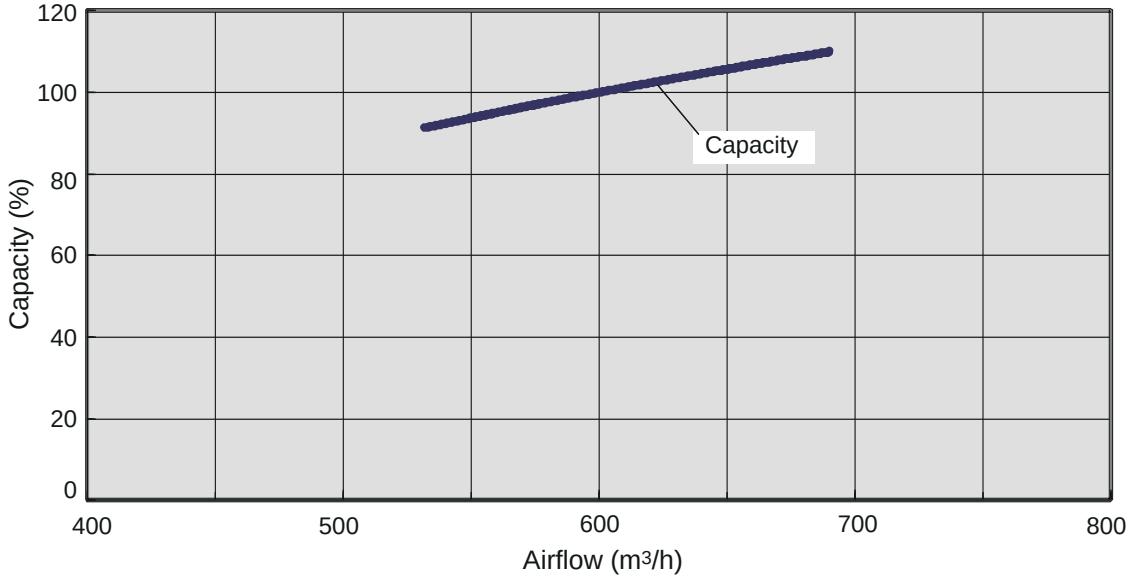
4-5 UNIT
MULTI-SPLIT TYPE

● Characteristics of air volume and capacity

- **Cooling**

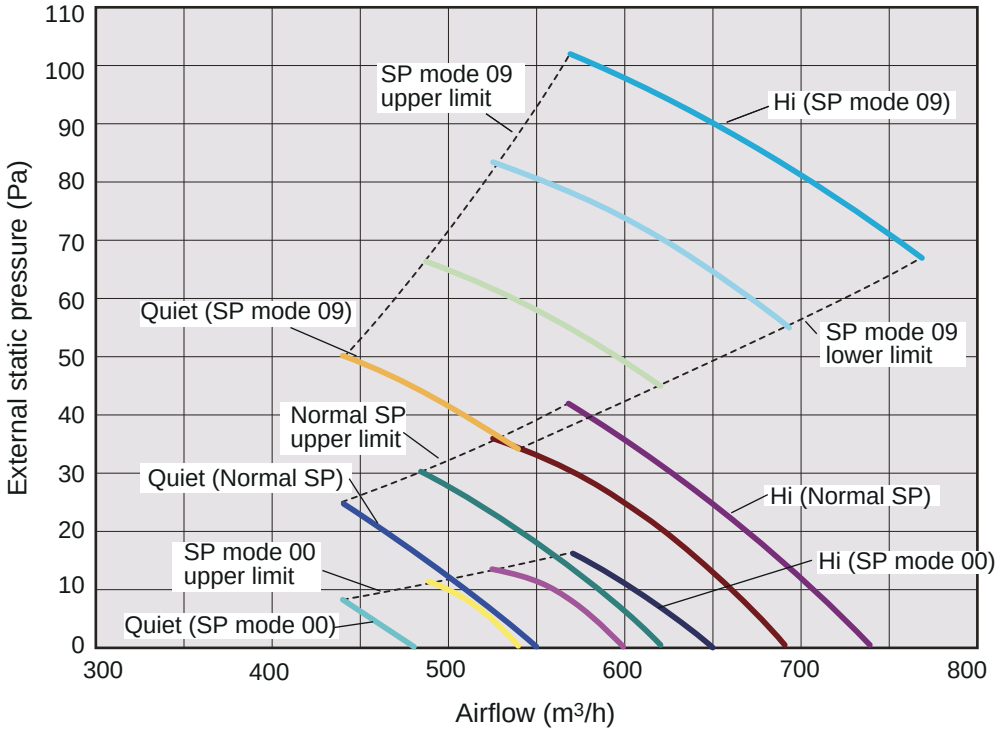


- **Heating**

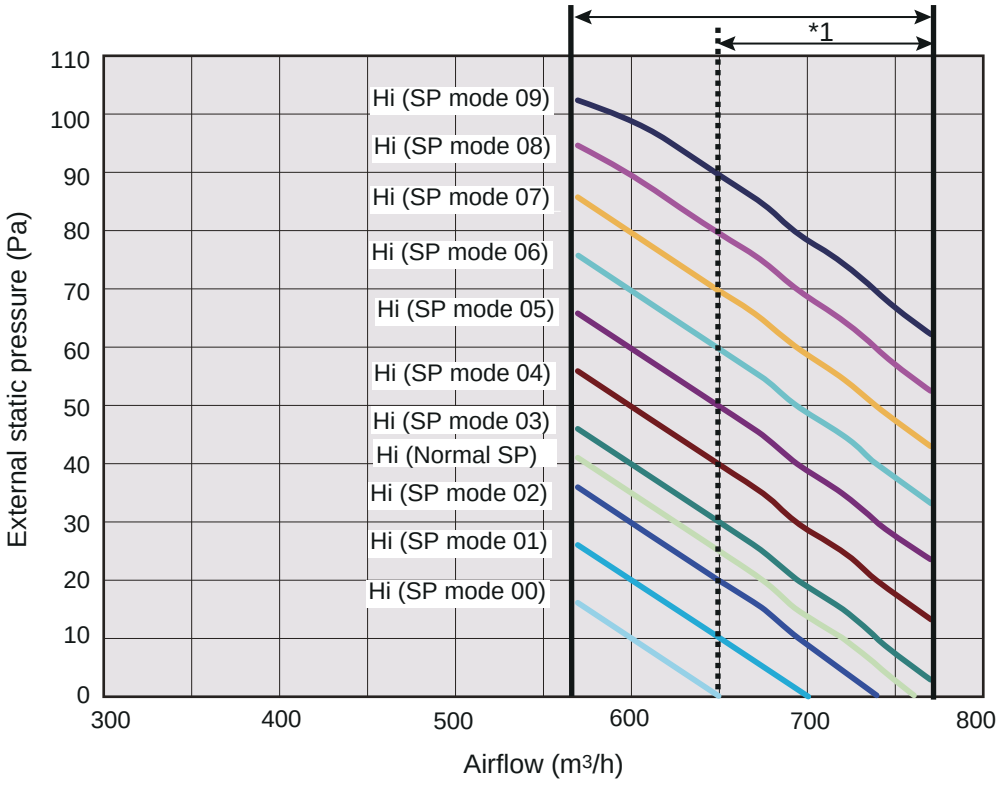


4-5 UNIT
MULTI-SPLIT TYPE

■ Model: ARXG12KLLAP



Available airflow rate range (High level)

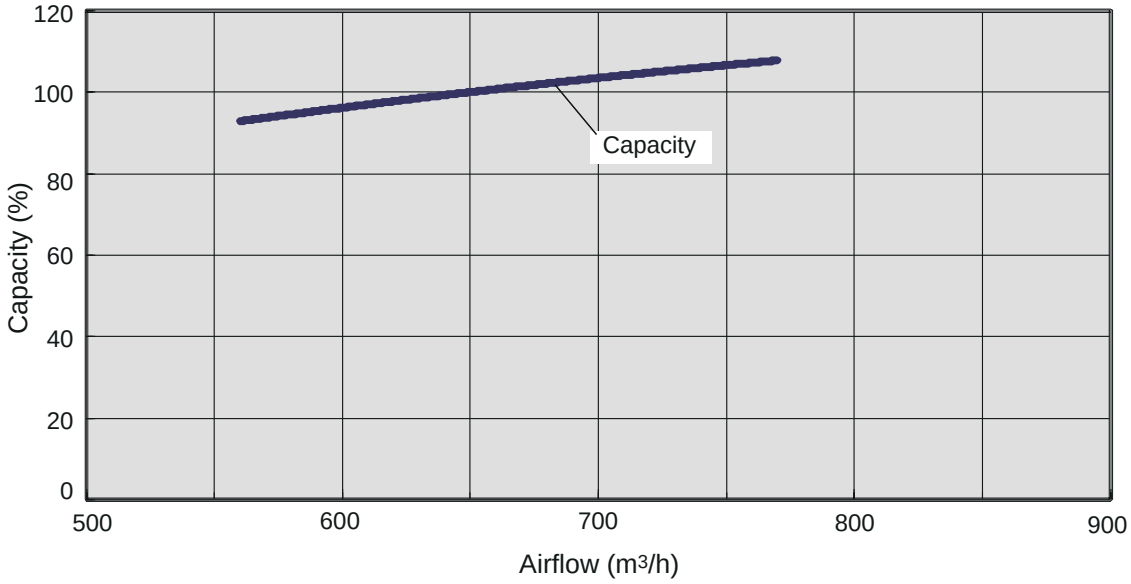


*1: Available airflow rate range when Auto louver grille (option) is installed.
Fan speed: HIGH
Vertical airflow direction louver: Up

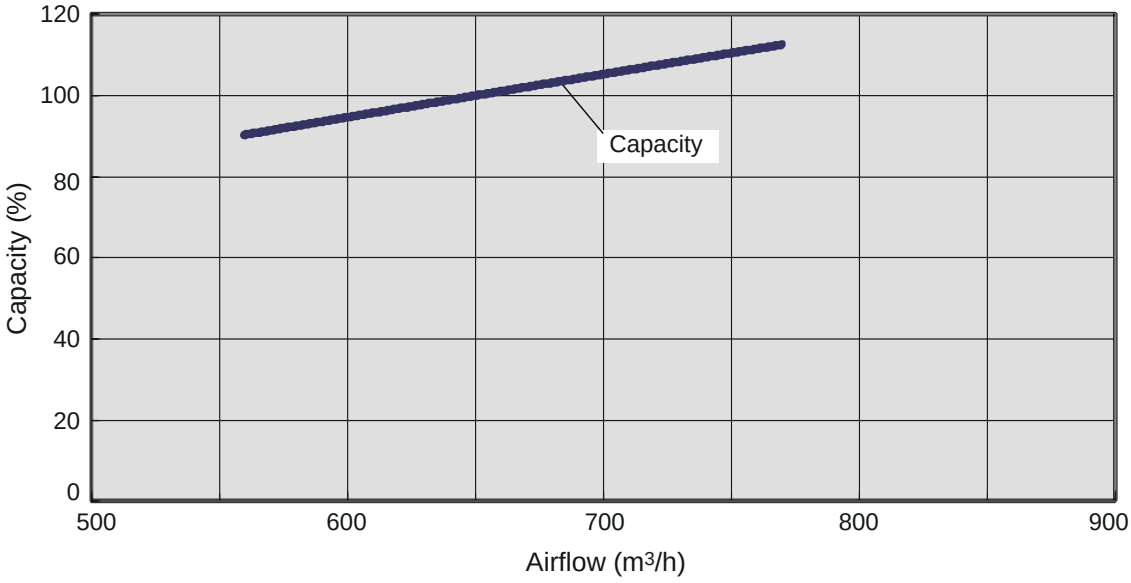
4-5 UNIT
MULTI-SPLIT TYPE

● Characteristics of air volume and capacity

- **Cooling**

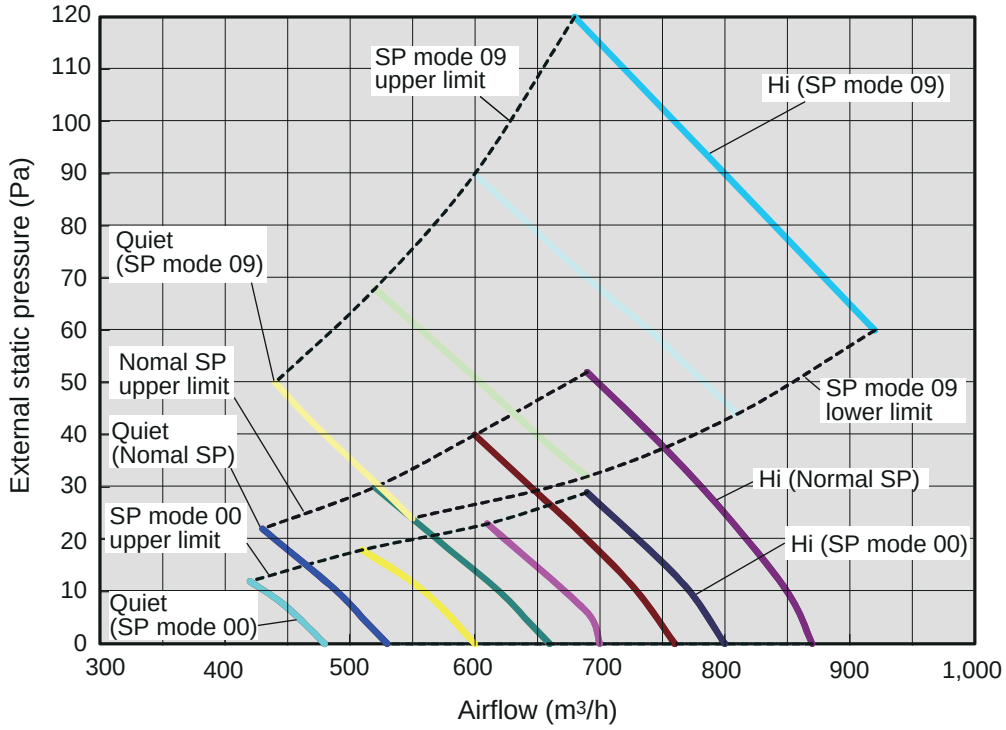


- **Heating**

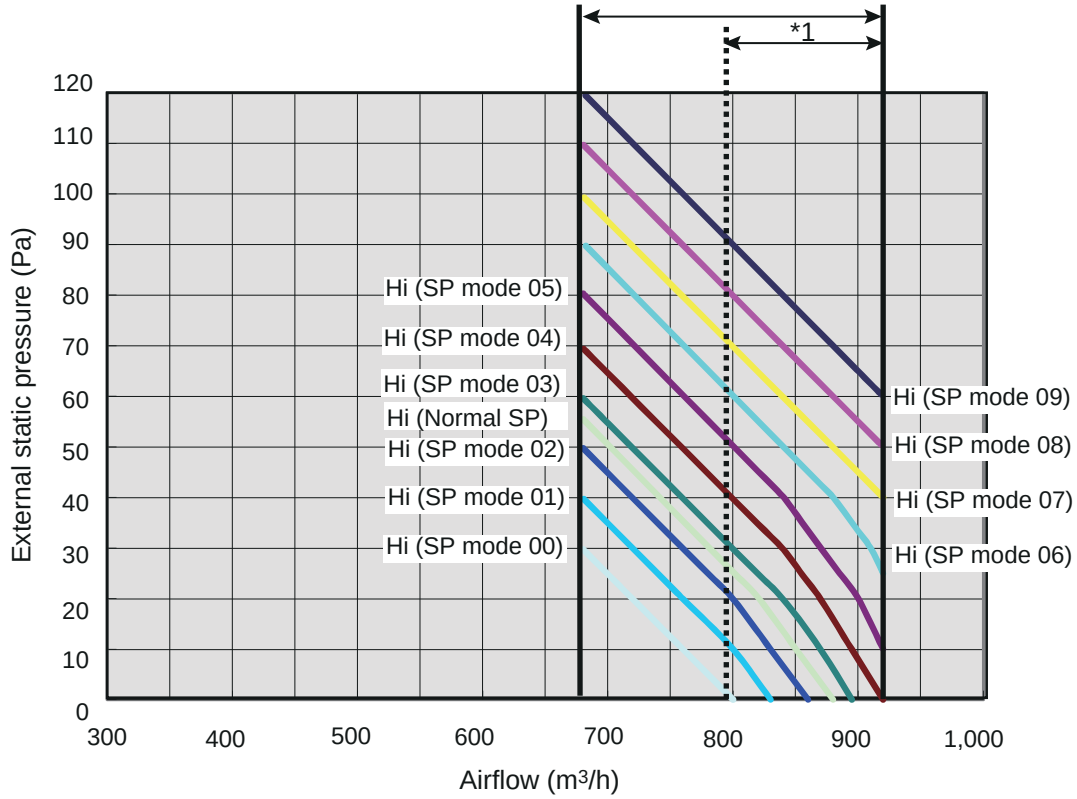


4-5 UNIT
MULTI-SPLIT TYPE

■ Model: ARXG14KLLAP



Available airflow rate range (High level)

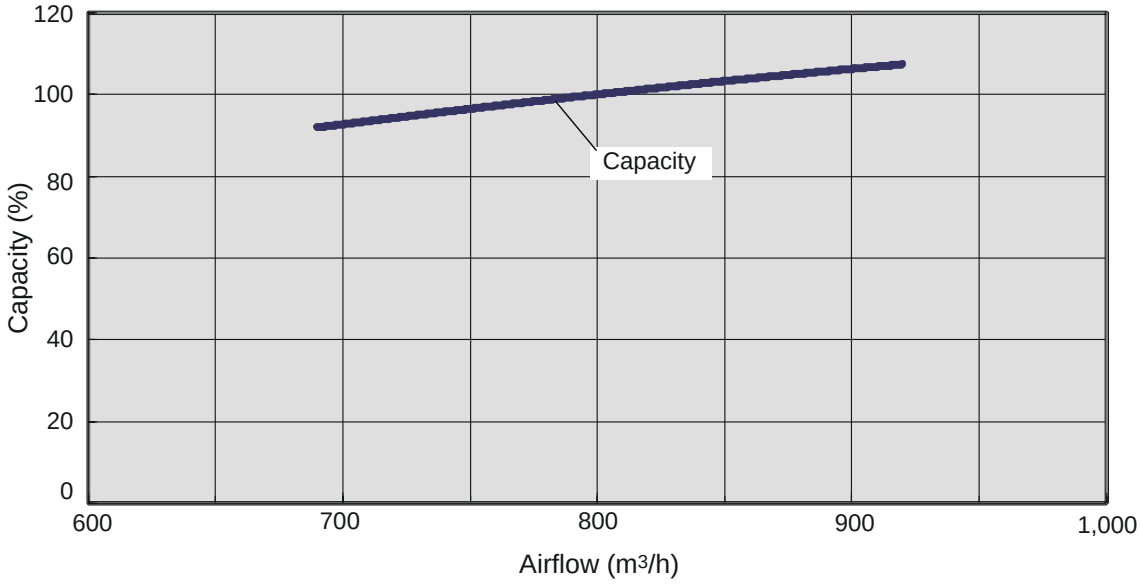


*1: Available airflow rate range when Auto louver grille (option) is installed.
Fan speed: HIGH
Vertical airflow direction louver: Up

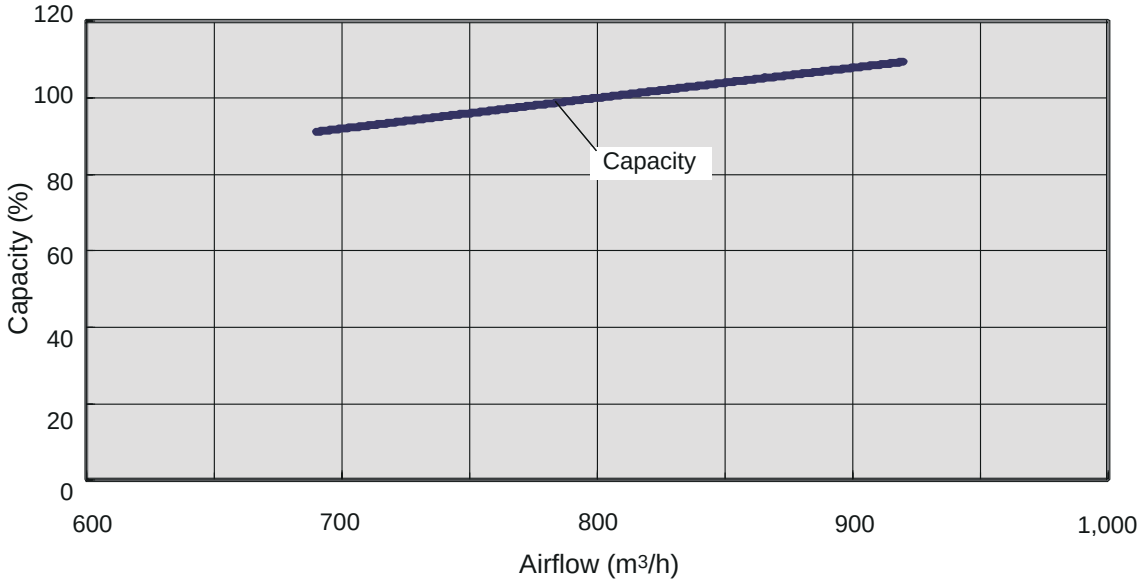
4-5 UNIT
MULTI-SPLIT TYPE

● Characteristics of air volume and capacity

- **Cooling**

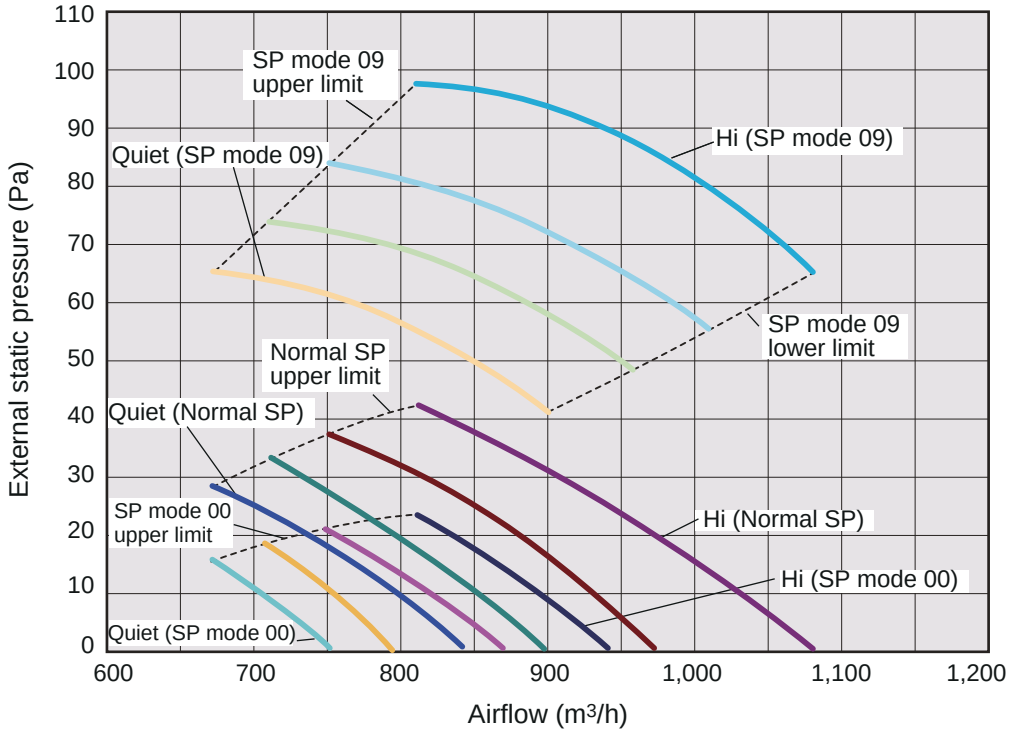


- **Heating**

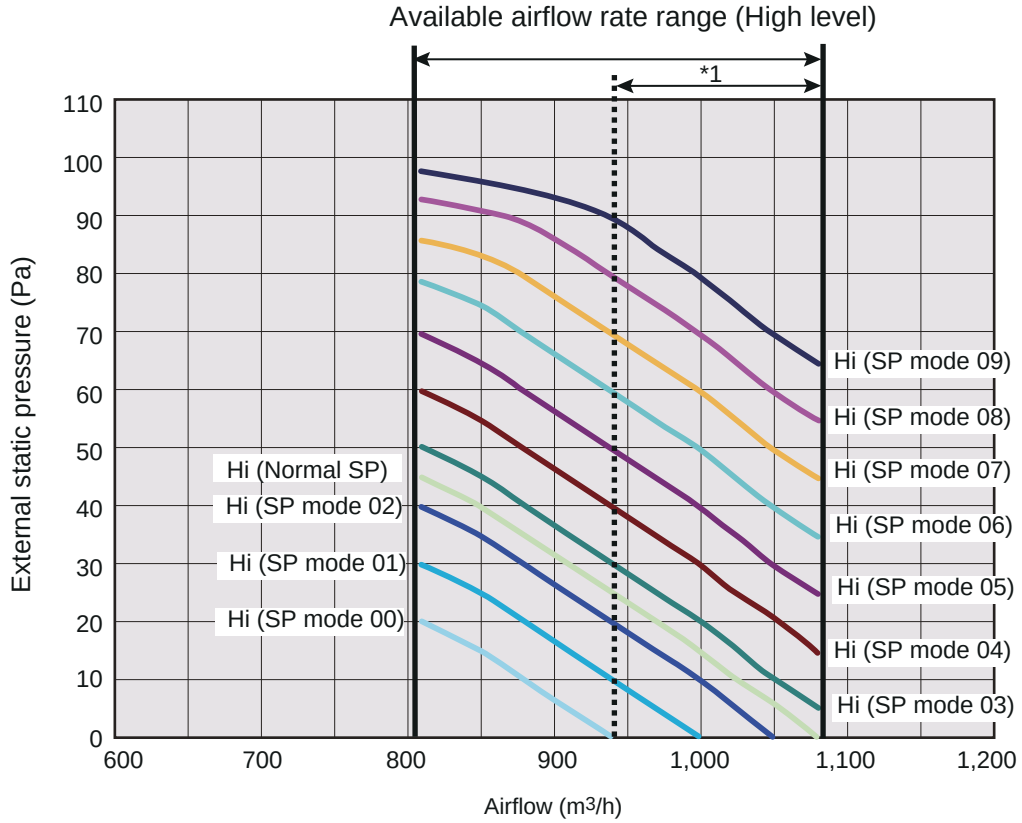


4-5 UNIT
MULTI-SPLIT TYPE

■ Model: ARXG18KLLAP



Available airflow rate range (High level)

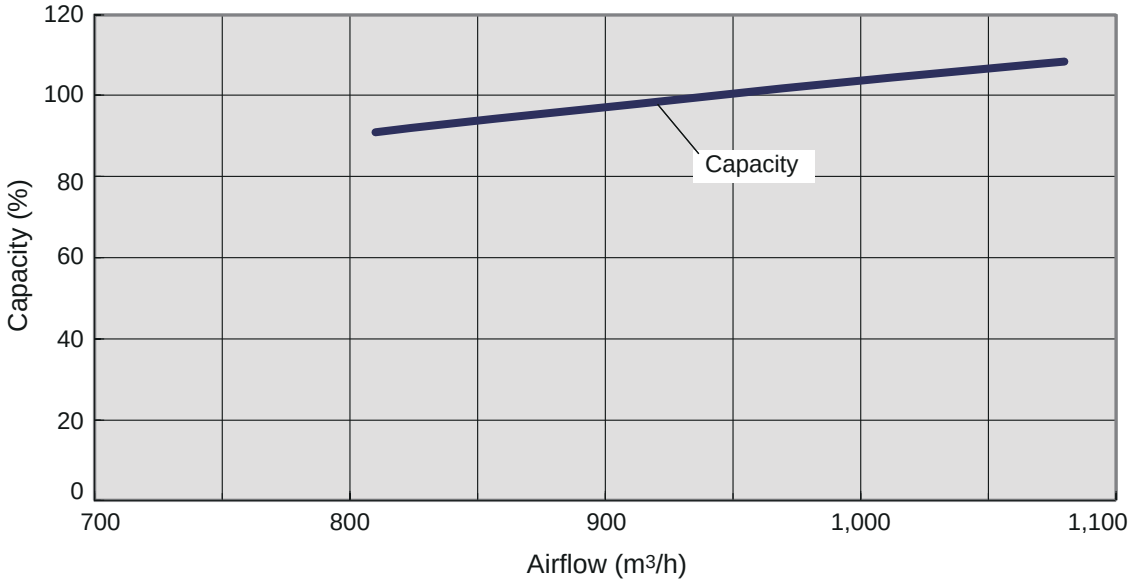


*1: Available airflow rate range when Auto louver grille (option) is installed.
Fan speed: HIGH
Vertical airflow direction louver: Up

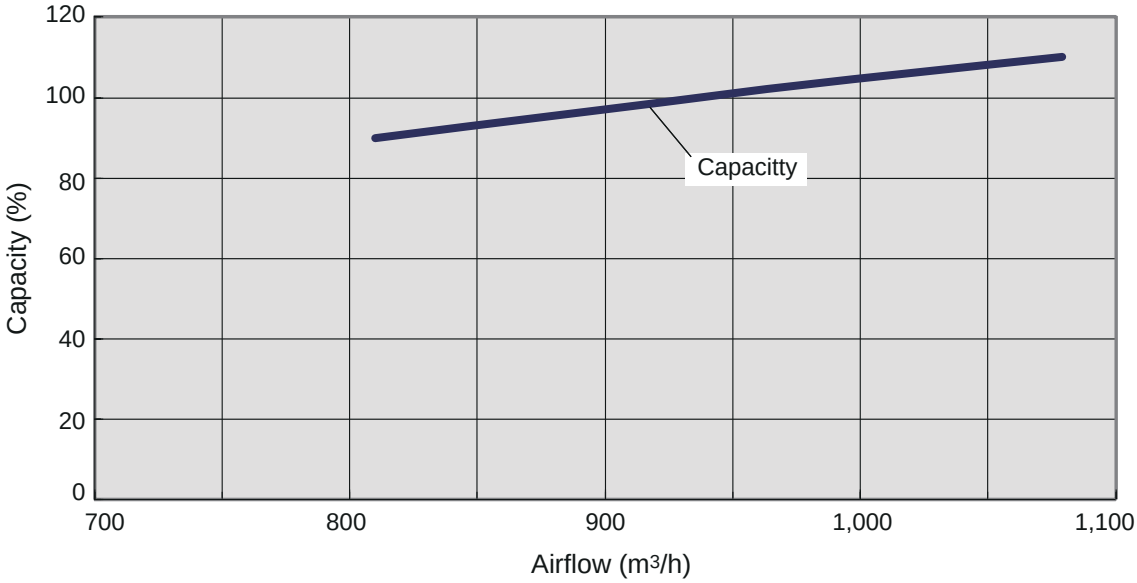
4-5 UNIT
MULTI-SPLIT TYPE

● Characteristics of air volume and capacity

- **Cooling**



- **Heating**



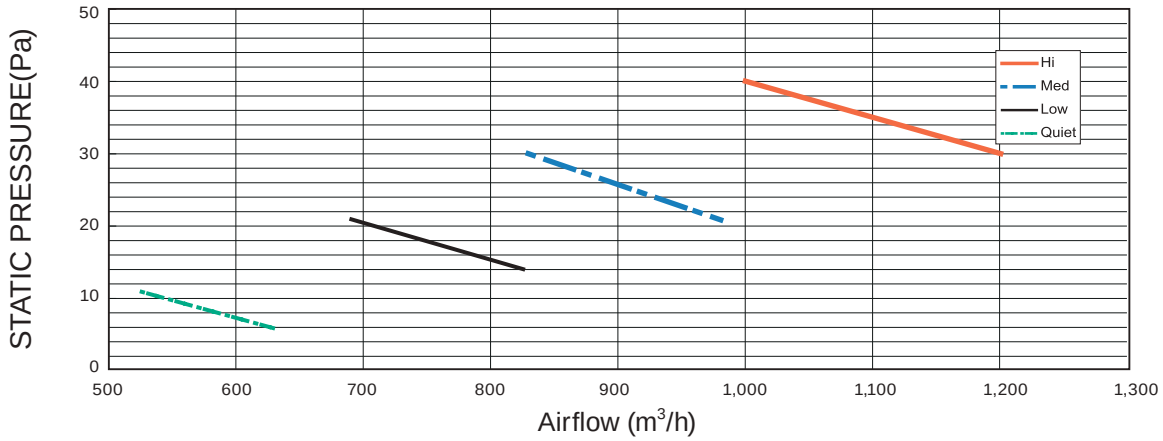
4-5 UNIT MULTI-SPLIT TYPE

6-3. Medium static pressure duct type

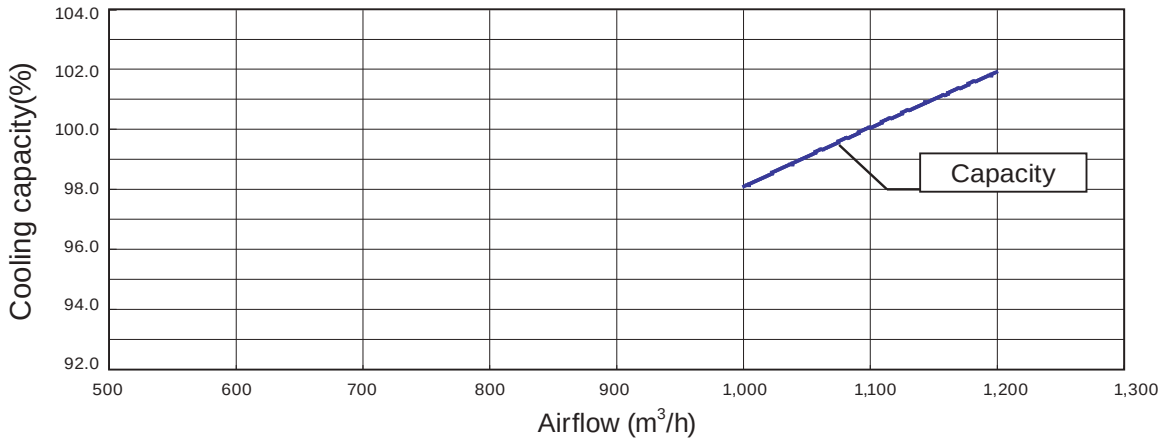
■ Model: ARXG22KMLB (Normal mode)

Fan speed	Item	Static pressure (Pa)									
		6	8	11	14	18	21	25	30	35	40
HIGH	m^3/h	—	—	—	—	—	—	—	1200	1100	1000
	l/s	—	—	—	—	—	—	—	333	306	278
	CFM	—	—	—	—	—	—	—	706	647	589
MED	m^3/h	—	—	—	—	—	980	910	830	—	—
	l/s	—	—	—	—	—	272	253	231	—	—
	CFM	—	—	—	—	—	577	536	489	—	—
LOW	m^3/h	—	—	—	825	750	690	—	—	—	—
	l/s	—	—	—	229	208	192	—	—	—	—
	CFM	—	—	—	486	441	406	—	—	—	—
QUIET	m^3/h	630	580	525	—	—	—	—	—	—	—
	l/s	175	161	146	—	—	—	—	—	—	—
	CFM	371	341	309	—	—	—	—	—	—	—

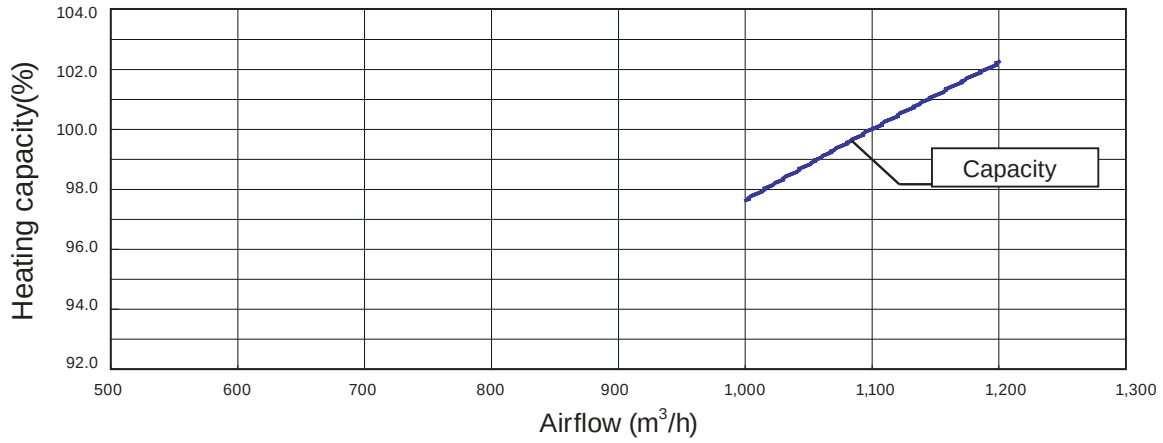
Q-h Characteristic curve



COOLING



HEATING

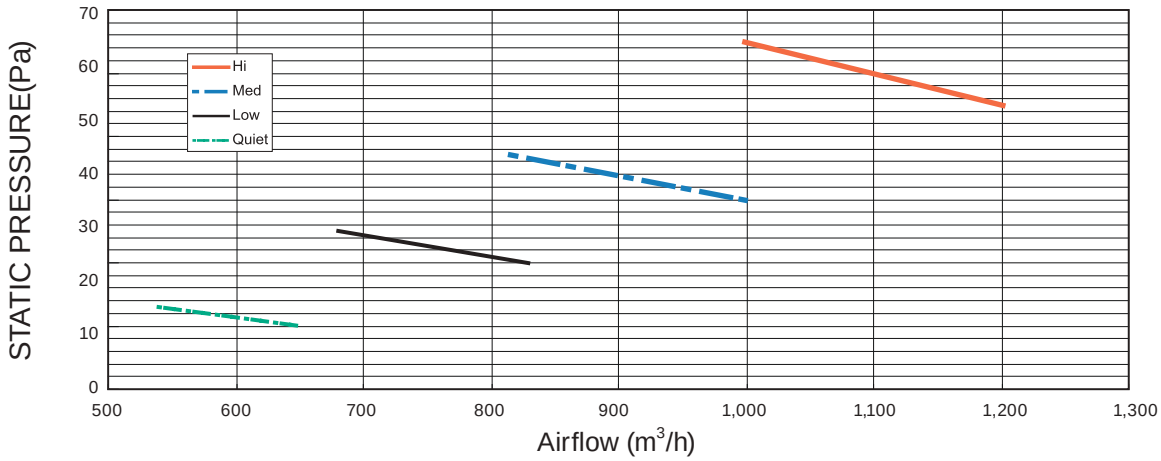


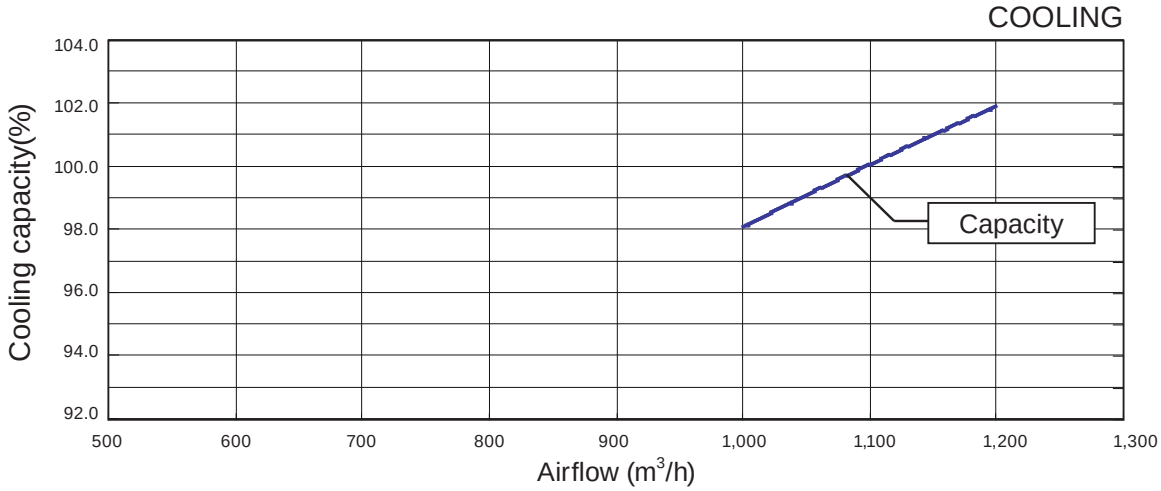
4-5 UNIT MULTI-SPLIT TYPE

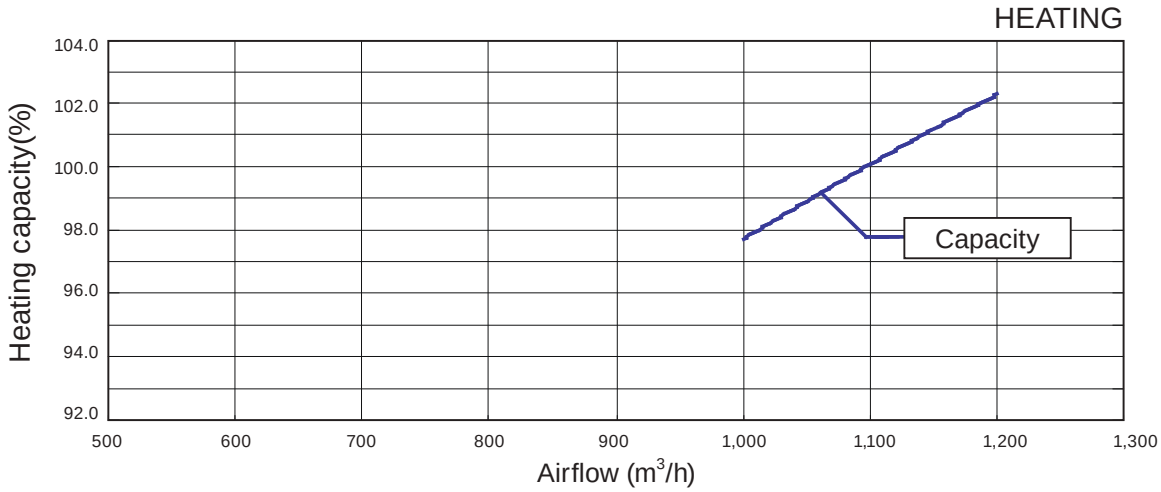
■ Model: ARXG22KMLB (Static pressure mode 1)

Fan speed	Item	Static pressure (Pa)							
		20	23	30	35	40	47	55	65
HIGH	m^3/h	—	—	—	—	—	—	1200	1000
	l/s	—	—	—	—	—	—	333	278
	CFM	—	—	—	—	—	—	706	589
MED	m^3/h	—	—	—	—	1000	815	—	—
	l/s	—	—	—	—	278	226	—	—
	CFM	—	—	—	—	589	480	—	—
LOW	m^3/h	—	—	830	680	—	—	—	—
	l/s	—	—	231	189	—	—	—	—
	CFM	—	—	489	400	—	—	—	—
QUIET	m^3/h	650	540	—	—	—	—	—	—
	l/s	181	150	—	—	—	—	—	—
	CFM	383	318	—	—	—	—	—	—

Q-h Characteristic curve





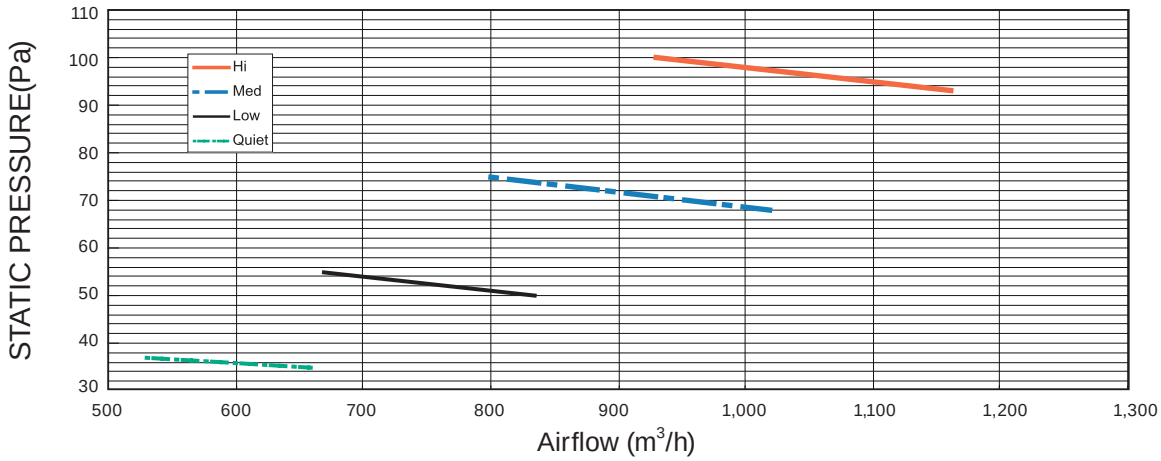


4-5 UNIT MULTI-SPLIT TYPE

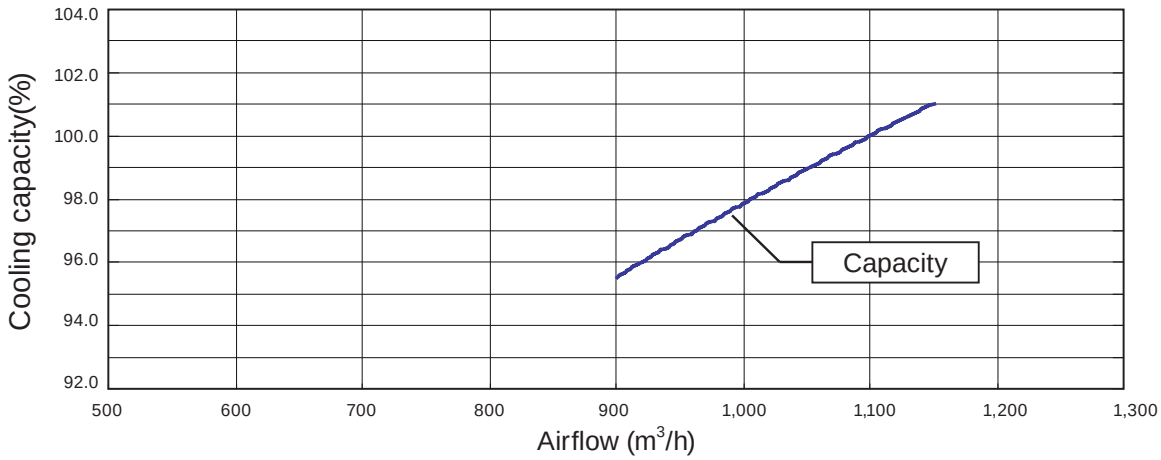
■ Model: ARXG22KMLB (Static pressure mode 2)

Fan speed	Item	Static pressure (Pa)							
		35	37	50	55	68	75	93	100
HIGH	m^3/h	—	—	—	—	—	—	1160	930
	l/s	—	—	—	—	—	—	322	258
	CFM	—	—	—	—	—	—	683	547
MED	m^3/h	—	—	—	—	1020	800	—	—
	l/s	—	—	—	—	283	222	—	—
	CFM	—	—	—	—	600	471	—	—
LOW	m^3/h	—	—	835	670	—	—	—	—
	l/s	—	—	232	186	—	—	—	—
	CFM	—	—	491	394	—	—	—	—
QUIET	m^3/h	660	530	—	—	—	—	—	—
	l/s	183	147	—	—	—	—	—	—
	CFM	388	312	—	—	—	—	—	—

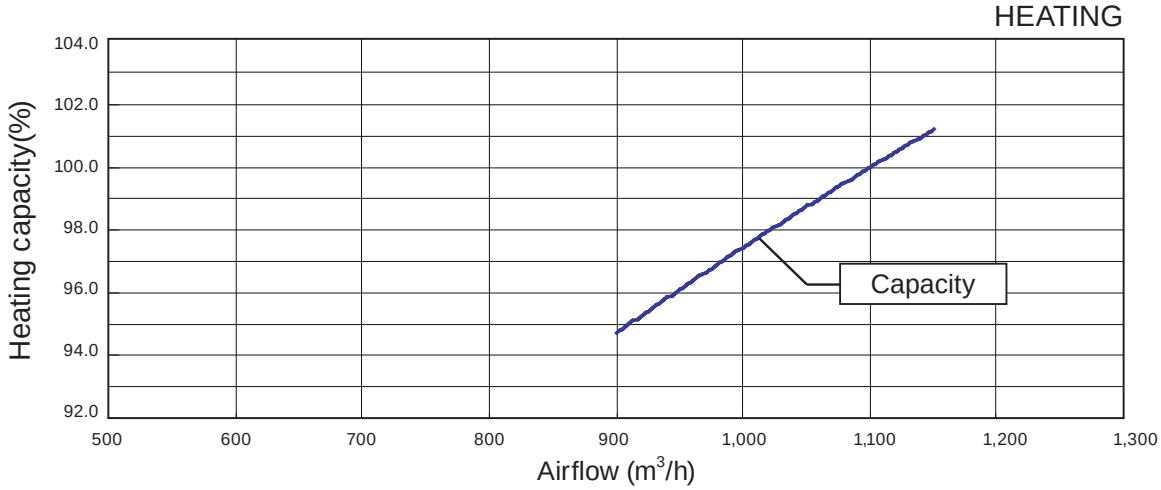
Q-h Characteristic curve



COOLING



HEATING

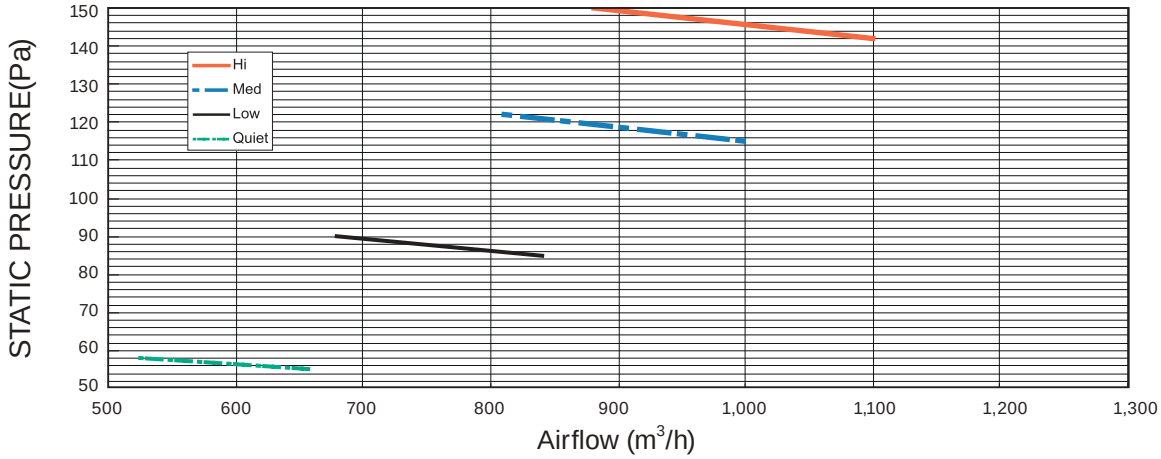


4-5 UNIT MULTI-SPLIT TYPE

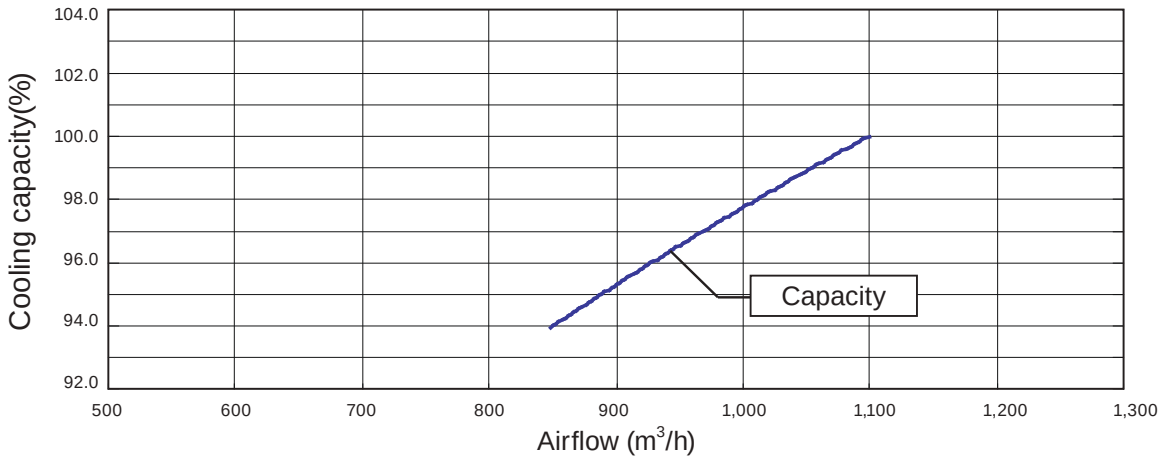
■ Model: ARXG22KMLB (Static pressure mode 3)

Fan speed	Item	Static pressure (Pa)							
		55	58	85	90	115	122	142	150
HIGH	m^3/h	—	—	—	—	—	—	1100	880
	l/s	—	—	—	—	—	—	306	244
	CFM	—	—	—	—	—	—	647	518
MED	m^3/h	—	—	—	—	1000	810	—	—
	l/s	—	—	—	—	278	225	—	—
	CFM	—	—	—	—	589	477	—	—
LOW	m^3/h	—	—	840	680	—	—	—	—
	l/s	—	—	233	189	—	—	—	—
	CFM	—	—	494	400	—	—	—	—
QUIET	m^3/h	660	525	—	—	—	—	—	—
	l/s	183	146	—	—	—	—	—	—
	CFM	388	309	—	—	—	—	—	—

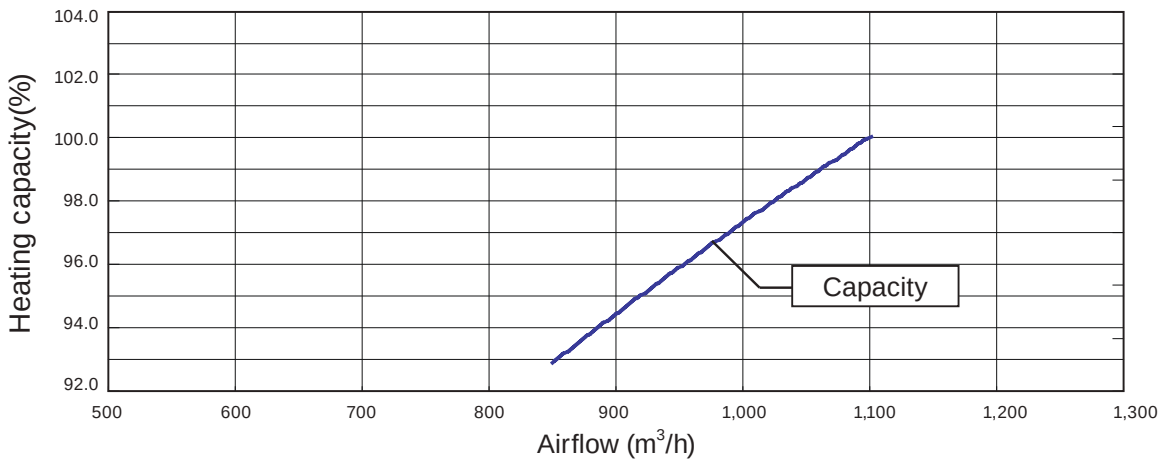
Q-h Characteristic curve



COOLING



HEATING



4-5 UNIT
MULTI-SPLIT TYPE

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
AUXG18KVLA	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
AUXG22KVLA	Cooling	High	830	231	489
		Med	740	206	436
		Low	600	167	353
		Quiet	450	125	265
	Heating	High	860	239	506
		Med	760	211	447
		Low	700	194	412
		Quiet	530	147	312

4-5 UNIT
MULTI-SPLIT TYPE

7-2. Mini duct type

Model	Operation mode	Fan speed	Airflow		
			m^3/h	l/s	CFM
ARXG07KSLAP	Cooling	High	550	153	324
		Med	440	122	259
		Low	390	108	230
		Quiet	360	100	212
	Heating	High	550	153	324
		Med	550	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
ARXG18KSLAP	Cooling	High	940	261	553
		Med	750	208	441
		Low	540	150	318
		Quiet	480	133	283
	Heating	High	940	261	553
		Med	750	208	441
		Low	540	150	318
		Quiet	480	133	283

4-5 UNIT MULTI-SPLIT TYPE

7-3. Slim duct type

Model	Operation mode	Fan speed	Airflow		
			m^3/h	l/s	CFM
ARXG07KLLAP	Cooling	High	550	153	324
		Med	490	136	288
		Low	470	131	277
		Quiet	440	122	259
	Heating	High	550	153	324
		Med	490	136	288
		Low	470	131	277
		Quiet	440	122	259
ARXG09KLLAP	Cooling	High	600	167	353
		Med	550	153	324
		Low	500	139	294
		Quiet	450	125	265
	Heating	High	600	167	353
		Med	550	153	324
		Low	500	139	294
		Quiet	450	125	265
ARXG12KLLAP	Cooling	High	650	181	383
		Med	600	167	353
		Low	550	153	324
		Quiet	480	133	283
	Heating	High	650	181	383
		Med	600	167	353
		Low	550	153	324
		Quiet	480	133	283
ARXG14KLLAP	Cooling	High	800	222	471
		Med	700	194	412
		Low	600	167	353
		Quiet	480	133	283
	Heating	High	800	222	471
		Med	700	194	412
		Low	600	167	353
		Quiet	480	133	283
ARXG18KLLAP	Cooling	High	940	261	553
		Med	880	244	518
		Low	820	228	483
		Quiet	750	208	441
	Heating	High	940	261	553
		Med	880	244	518
		Low	820	228	483
		Quiet	750	208	441

4-5 UNIT
MULTI-SPLIT TYPE

7-4. Medium static pressure duct type

Model	Operation mode	Fan speed	Airflow		
			m^3/h	l/s	CFM
ARXG22KMLB	Cooling	High	1,100	306	647
		Med	910	253	536
		Low	750	208	441
		Quiet	580	161	341
	Heating	High	1,100	306	647
		Med	910	253	536
		Low	750	208	441
		Quiet	580	161	341

4-5 UNIT MULTI-SPLIT TYPE

7-5. Wall mounted type

Model	Operation mode	Fan speed	Airflow		
			m^3/h	l/s	CFM
ASYG07KGTB	Cooling	High	650	181	383
		Med	540	150	318
		Low	430	119	253
		Quiet	270	75	159
	Heating	High	720	200	424
		Med	580	161	341
		Low	460	128	271
		Quiet	330	92	194
ASYG09KGTB	Cooling	High	700	194	412
		Med	560	156	330
		Low	430	119	253
		Quiet	270	75	159
	Heating	High	750	208	441
		Med	610	169	359
		Low	470	131	277
		Quiet	330	92	194
ASYG12KGTB	Cooling	High	700	194	412
		Med	560	156	330
		Low	430	119	253
		Quiet	270	75	159
	Heating	High	770	214	453
		Med	640	178	377
		Low	520	144	306
		Quiet	330	92	194
ASYG14KGTB	Cooling	High	770	214	453
		Med	600	167	353
		Low	450	125	265
		Quiet	280	78	165
	Heating	High	800	222	471
		Med	660	183	388
		Low	520	144	306
		Quiet	340	94	200
ASYG18KMTB	Cooling	High	980	272	577
		Med	810	225	477
		Low	640	178	377
		Quiet	510	142	300
	Heating	High	1,020	283	600
		Med	850	236	500
		Low	640	178	377
		Quiet	510	142	300
ASYG22KMTB	Cooling	High	1,060	294	624
		Med	810	225	477
		Low	640	178	377
		Quiet	510	142	300
	Heating	High	1,060	294	624
		Med	850	236	500
		Low	640	178	377
		Quiet	510	142	300

4-5 UNIT
MULTI-SPLIT TYPE

Model	Operation mode	Fan speed	Airflow		
			m^3/h	l/s	CFM
ASYG24KMTB	Cooling	High	1,170	325	689
		Med	850	236	500
		Low	640	178	377
		Quiet	510	142	300
	Heating	High	1,170	325	689
		Med	850	236	500
		Low	640	178	377
		Quiet	510	142	300
ASYG07KMTB	Cooling	High	650	181	383
		Med	540	150	318
		Low	430	119	253
		Quiet	270	75	159
	Heating	High	720	200	424
		Med	580	161	341
		Low	460	128	271
		Quiet	330	92	194
ASYG09KMTB	Cooling	High	700	194	412
		Med	560	156	330
		Low	430	119	253
		Quiet	270	75	159
	Heating	High	750	208	441
		Med	610	169	359
		Low	470	131	277
		Quiet	330	92	194
ASYG12KMTB	Cooling	High	700	194	412
		Med	560	156	330
		Low	430	119	253
		Quiet	270	75	159
	Heating	High	770	214	453
		Med	640	178	377
		Low	520	144	306
		Quiet	330	92	194
ASYG14KMTB	Cooling	High	770	214	453
		Med	600	167	353
		Low	450	125	265
		Quiet	280	78	165
	Heating	High	800	222	471
		Med	660	183	388
		Low	520	144	306
		Quiet	340	94	200
ASYG07KMCC	Cooling	High	650	181	383
		Med	540	150	318
		Low	430	119	253
		Quiet	320	89	188
	Heating	High	720	200	424
		Med	580	161	341
		Low	460	128	271
		Quiet	330	92	194

4-5 UNIT
MULTI-SPLIT TYPE

Model	Operation mode	Fan speed	Airflow		
			m^3/h	l/s	CFM
ASYG09KMCC	Cooling	High	700	194	412
		Med	560	156	330
		Low	430	119	253
		Quiet	320	89	188
	Heating	High	750	208	441
		Med	610	169	359
		Low	470	131	277
		Quiet	330	92	194
ASYG12KMCC	Cooling	High	700	194	412
		Med	560	156	330
		Low	430	119	253
		Quiet	320	89	188
	Heating	High	780	217	459
		Med	640	178	377
		Low	520	144	306
		Quiet	330	92	194
ASYG14KMCC	Cooling	High	770	214	453
		Med	600	167	353
		Low	450	125	265
		Quiet	310	86	182
	Heating	High	820	228	483
		Med	660	183	388
		Low	520	144	306
		Quiet	340	94	200
ASYG07KETA ASYG07KETA-B	Cooling	High	650	181	383
		Med	540	150	318
		Low	430	119	253
		Quiet	270	75	159
	Heating	High	720	200	424
		Med	580	161	341
		Low	460	128	271
		Quiet	330	92	194
ASYG09KETA ASYG09KETA-B	Cooling	High	700	194	412
		Med	560	156	330
		Low	430	119	253
		Quiet	270	75	159
	Heating	High	750	208	441
		Med	610	169	359
		Low	470	131	277
		Quiet	330	92	194
ASYG12KETA ASYG12KETA-B	Cooling	High	700	194	412
		Med	560	156	330
		Low	430	119	253
		Quiet	270	75	159
	Heating	High	770	214	453
		Med	640	178	377
		Low	520	144	306
		Quiet	330	92	194

4-5 UNIT
MULTI-SPLIT TYPE

Model	Operation mode	Fan speed	Airflow		
			m^3/h	l/s	CFM
ASYG14KETA ASYG14KETA-B	Cooling	High	770	214	453
		Med	600	167	353
		Low	450	125	265
		Quiet	280	78	165
	Heating	High	800	222	471
		Med	660	183	388
		Low	520	144	306
		Quiet	340	94	200

4-5 UNIT
MULTI-SPLIT TYPE

7-6. Ceiling type

Model	Operation mode	Fan speed	Airflow		
			m^3/h	l/s	CFM
ABYG18KRTA	Cooling	High	840	233	494
		Med	790	219	465
		Low	710	197	418
		Quiet	650	181	383
	Heating	High	840	233	494
		Med	790	219	465
		Low	710	197	418
		Quiet	650	181	383
ABYG22KRTA	Cooling	High	900	250	530
		Med	790	219	465
		Low	710	197	418
		Quiet	650	181	383
	Heating	High	900	250	530
		Med	790	219	465
		Low	710	197	418
		Quiet	650	181	383

4-5 UNIT
MULTI-SPLIT TYPE

7-7. Floor type

Model	Operation mode	Fan speed	Airflow		
			m^3/h	l/s	CFM
AGYG09KVCA	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
AGYG12KVCA	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
AGYG14KVCA	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

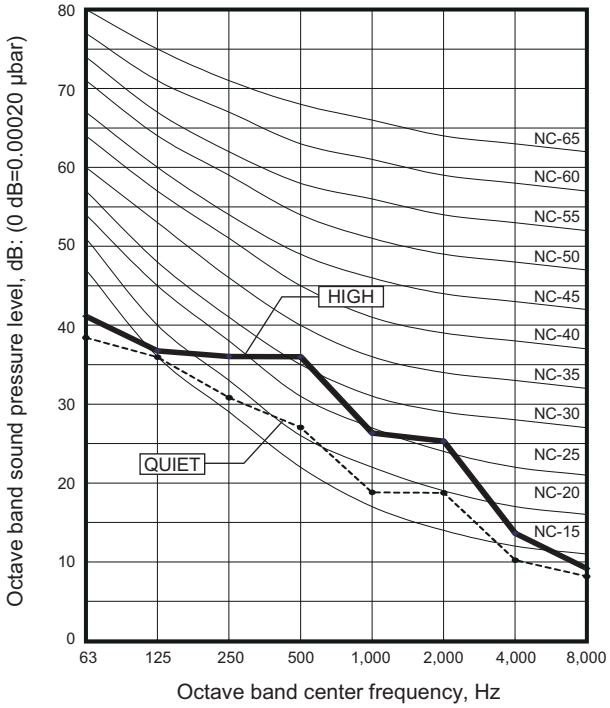
4-5 UNIT
MULTI-SPLIT TYPE

8. Noise level curve

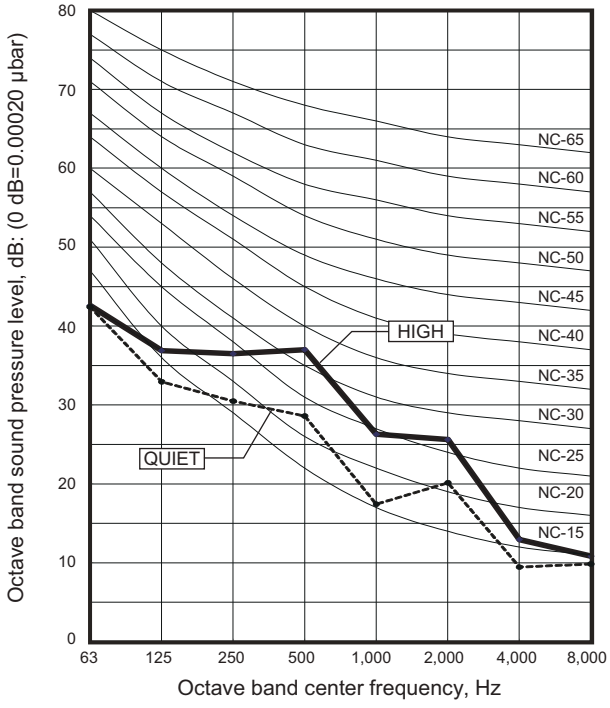
8-1. Compact cassette type

■ Model: AUXG07KVLA

● Cooling

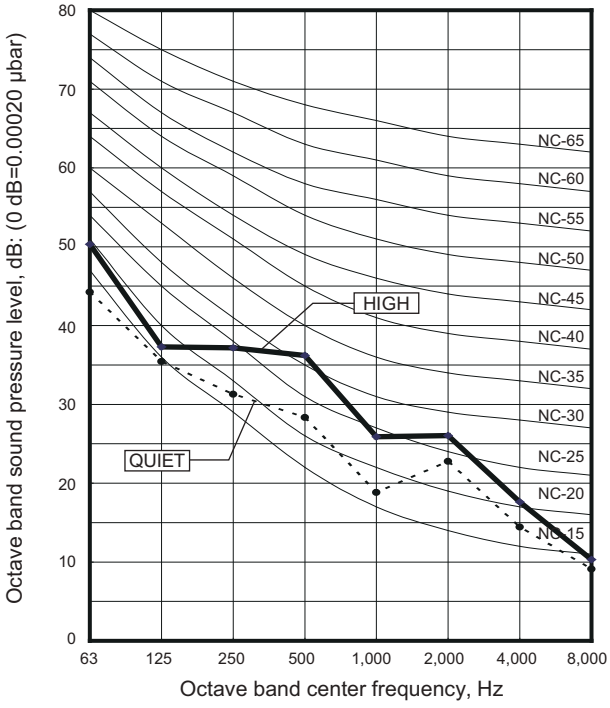


● Heating

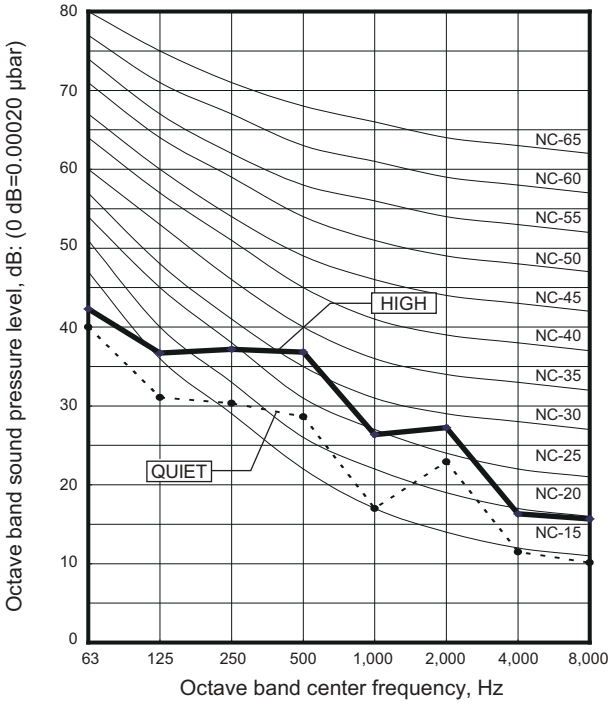


■ Model: AUXG09KVLA

● Cooling



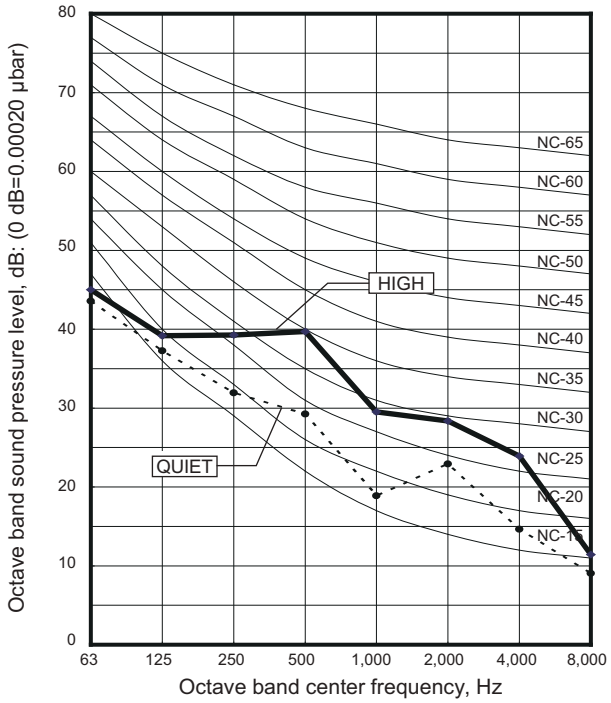
● Heating



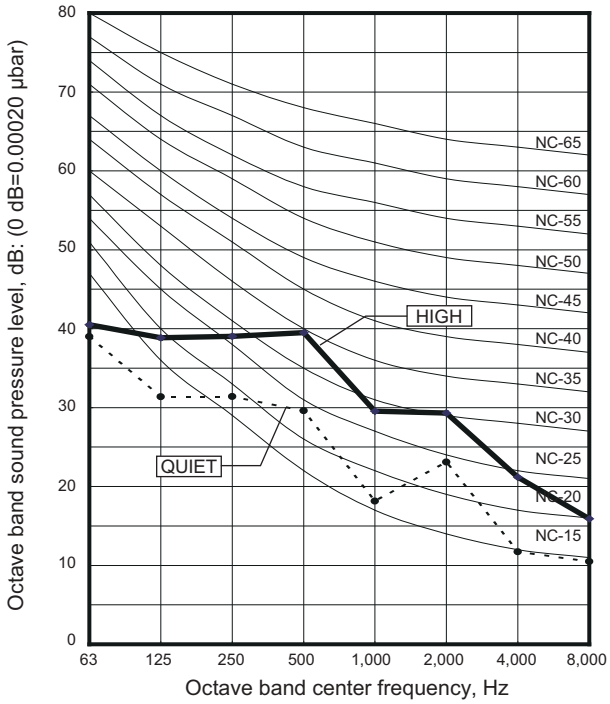
4-5 UNIT
MULTI-SPLIT TYPE

■ Model: AUXG12KVLA

● Cooling

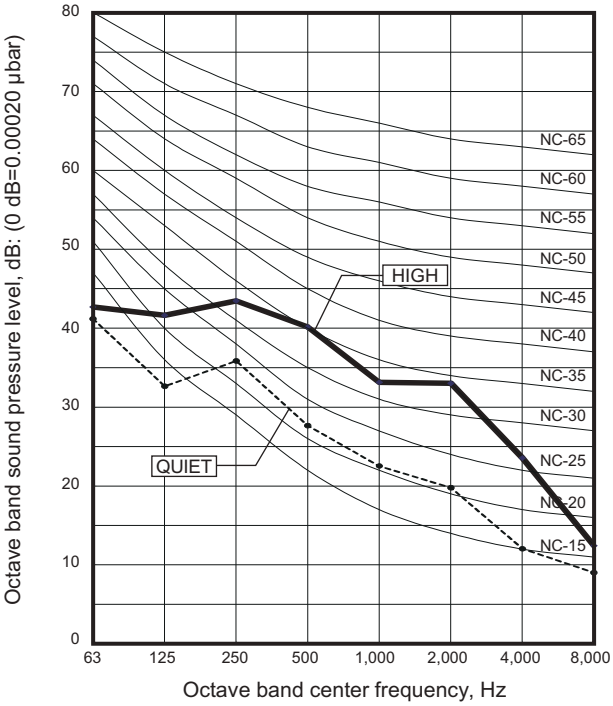


● Heating

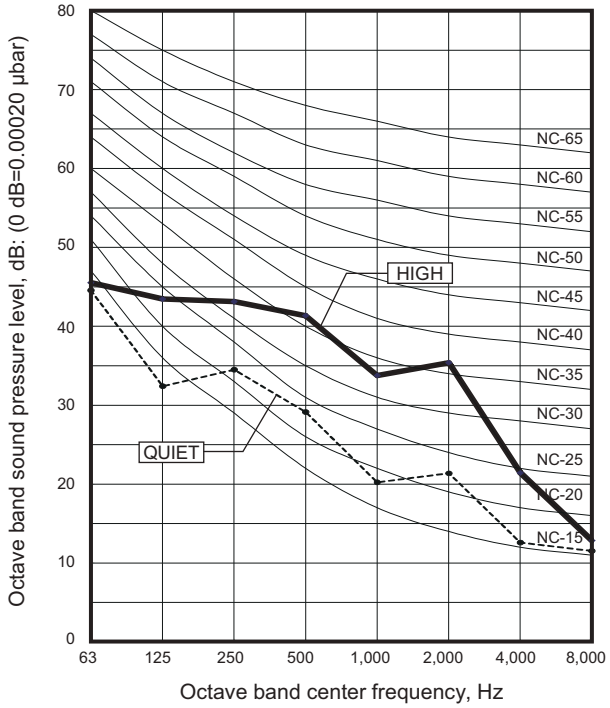


■ Model: AUXG14KVLA

● Cooling



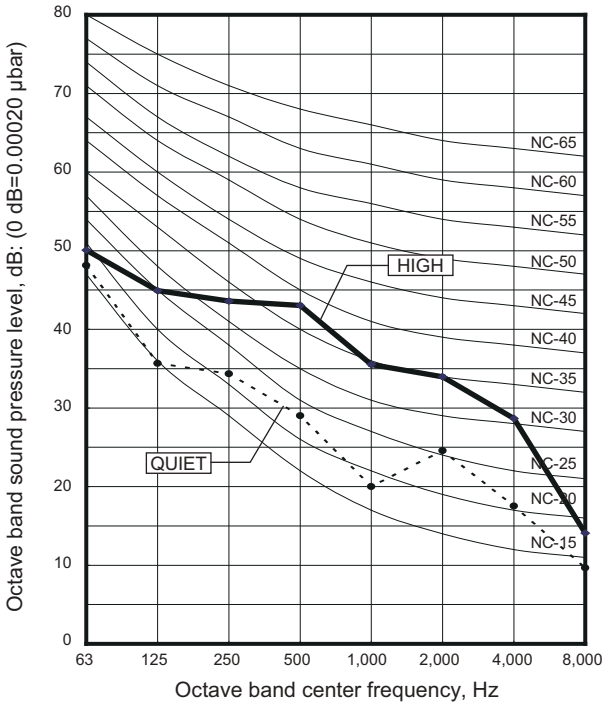
● Heating



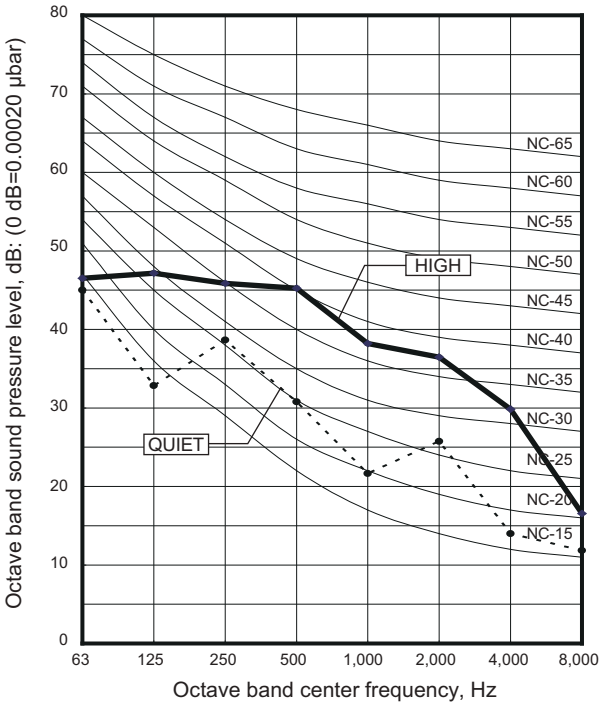
4-5 UNIT
MULTI-SPLIT TYPE

■ Model: AUXG18KVLA

● Cooling

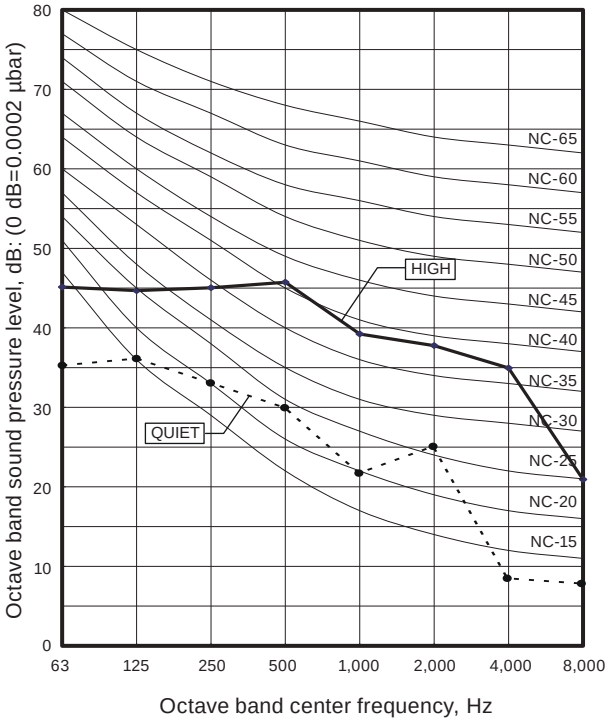


● Heating

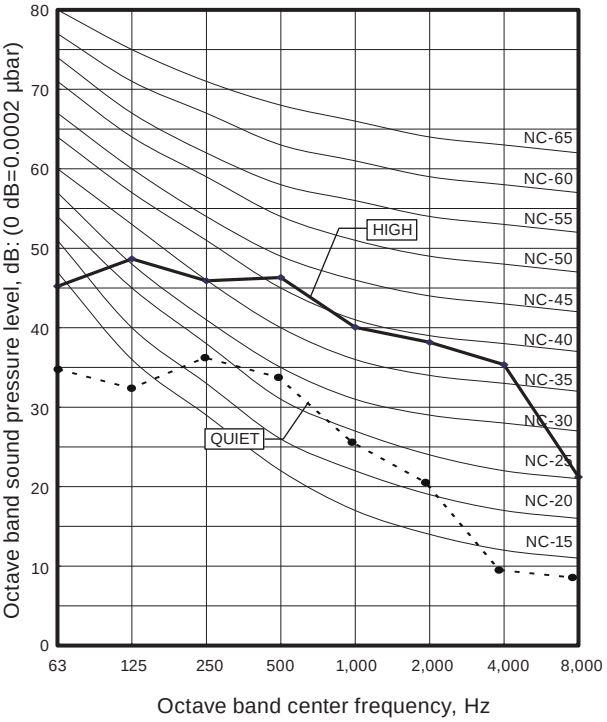


■ Model: AUXG22KVLA

● Cooling



● Heating

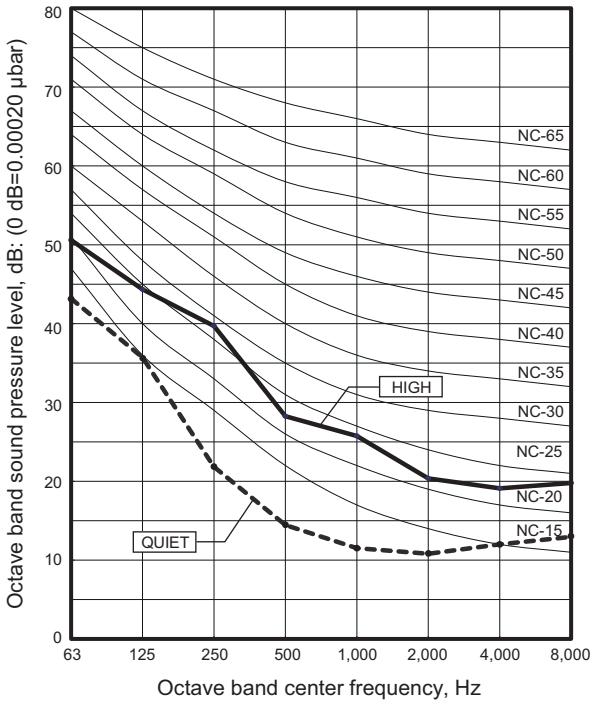


4-5 UNIT
MULTI-SPLIT TYPE

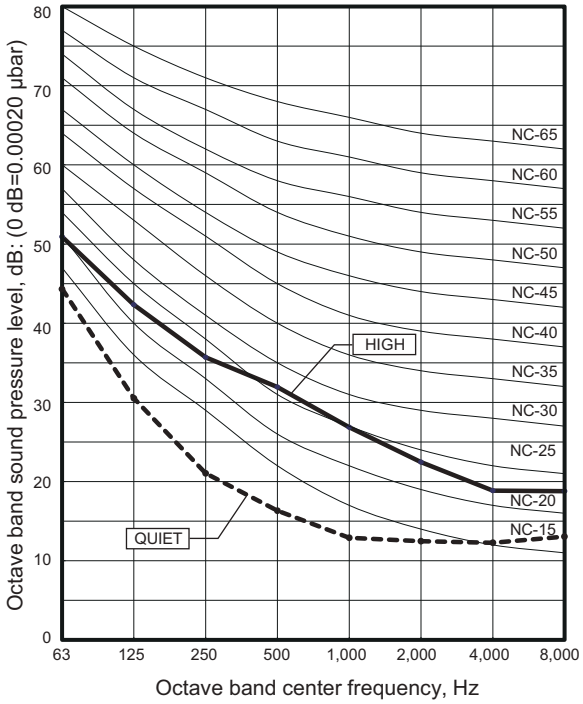
8-2. Mini duct type

■ Model: ARXG07KSLAP

● Cooling

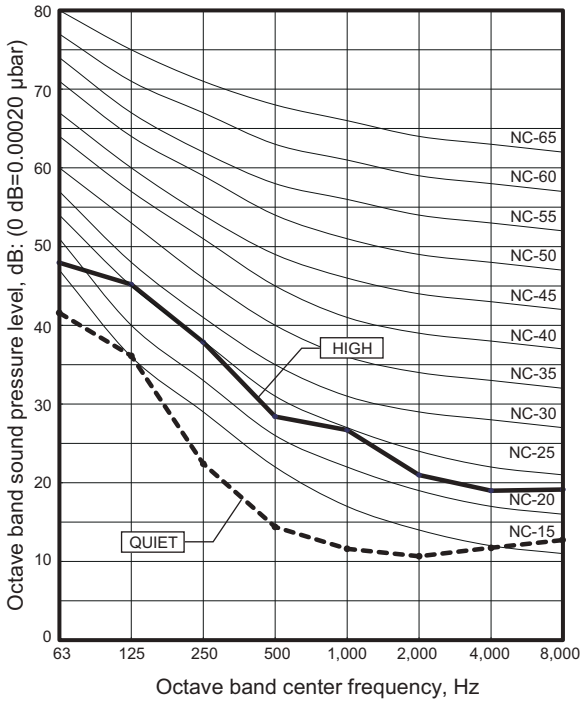


● Heating

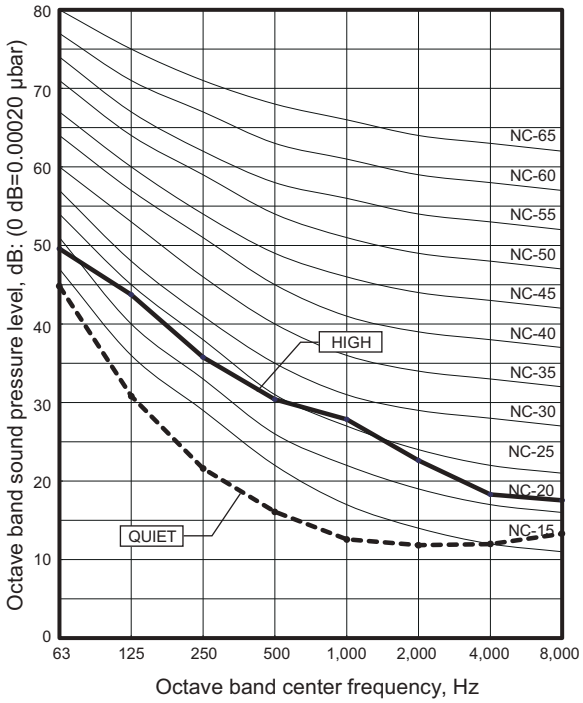


■ Model: ARXG09KSLAP

● Cooling



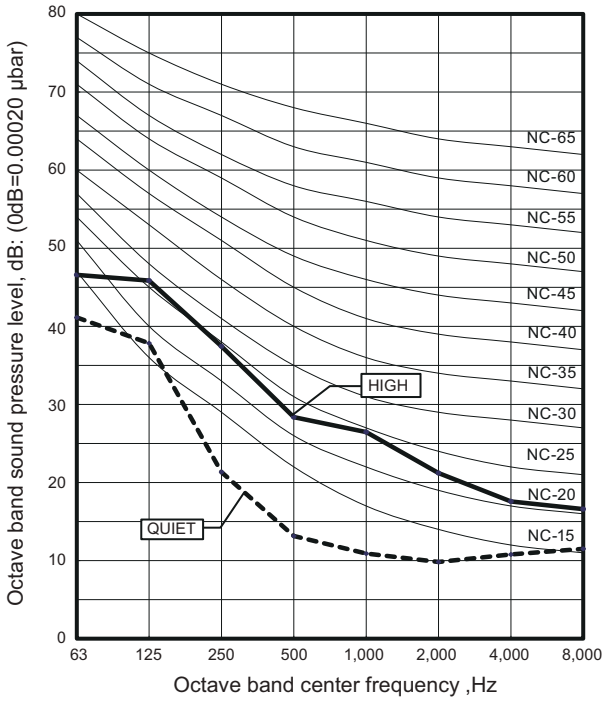
● Heating



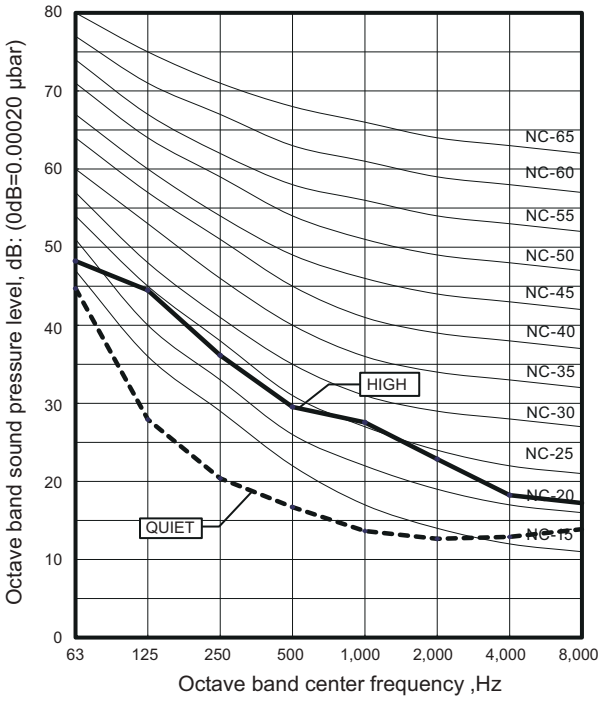
4-5 UNIT
MULTI-SPLIT TYPE

■ Model: ARXG12KSLAP

● Cooling

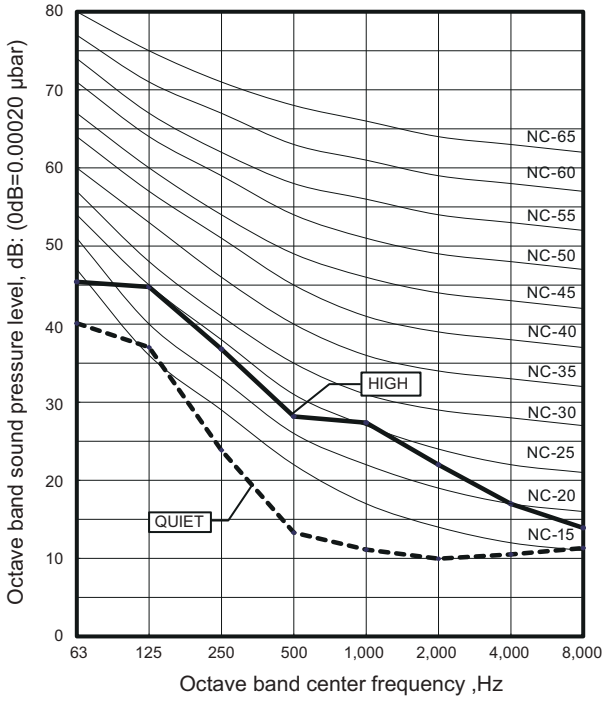


● Heating

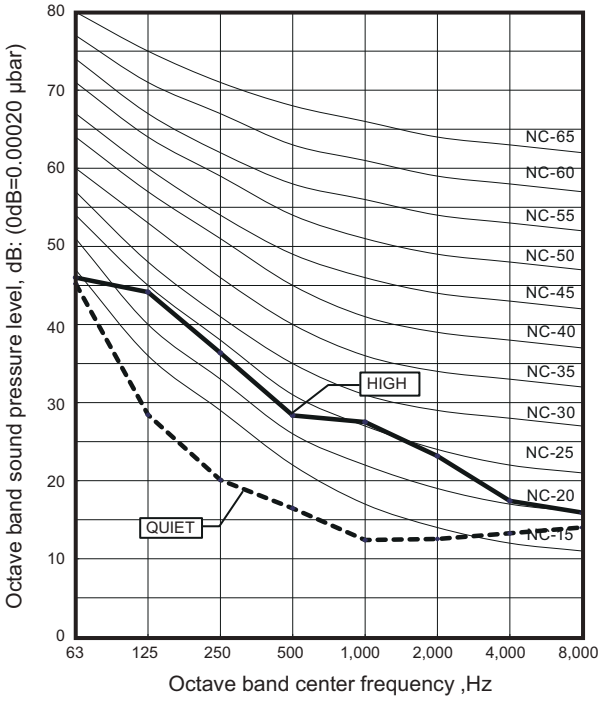


■ Model: ARXG14KSLAP

● Cooling



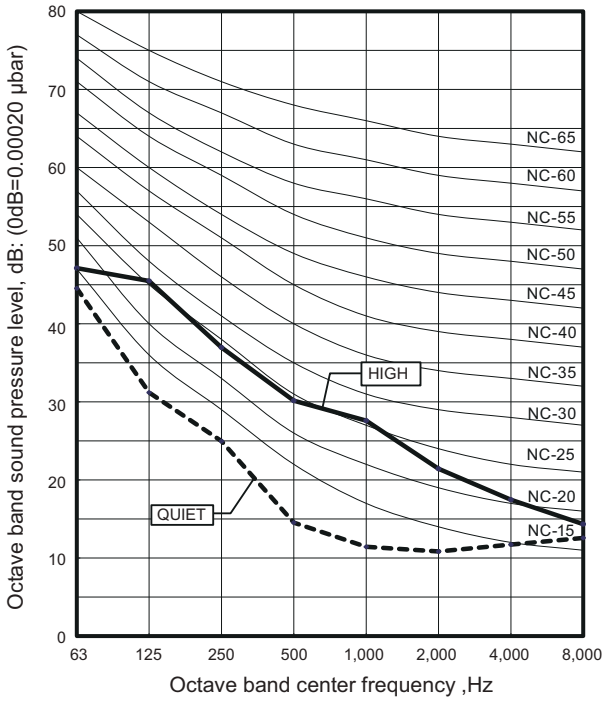
● Heating



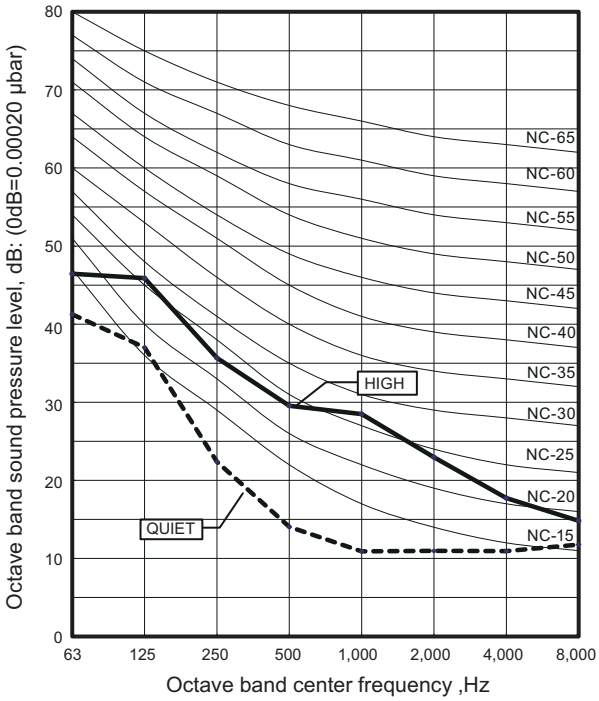
4-5 UNIT
MULTI-SPLIT TYPE

■ Model: ARXG18KSLAP

● Cooling



● Heating

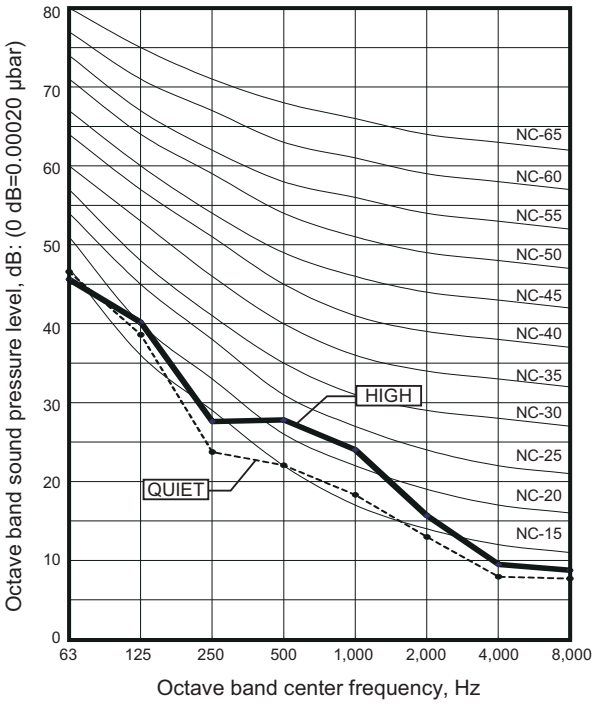


4-5 UNIT
MULTI-SPLIT TYPE

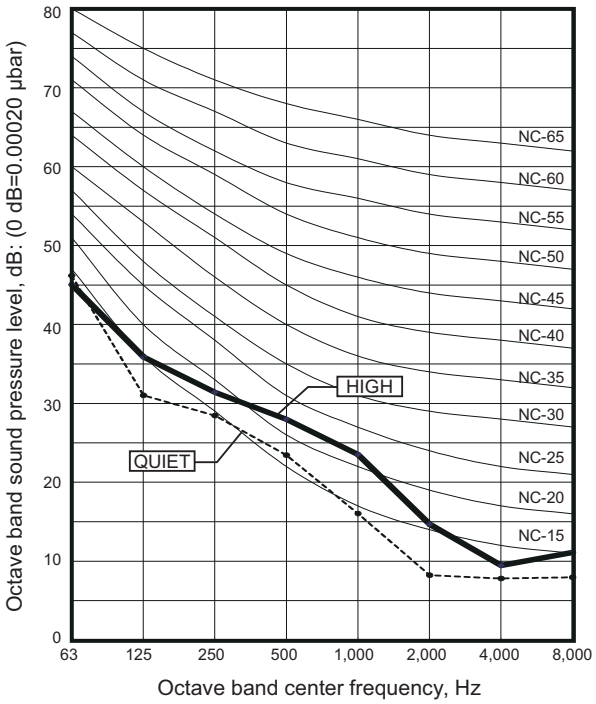
8-3. Slim duct type

■ Model: ARXG07KLLAP

● Cooling

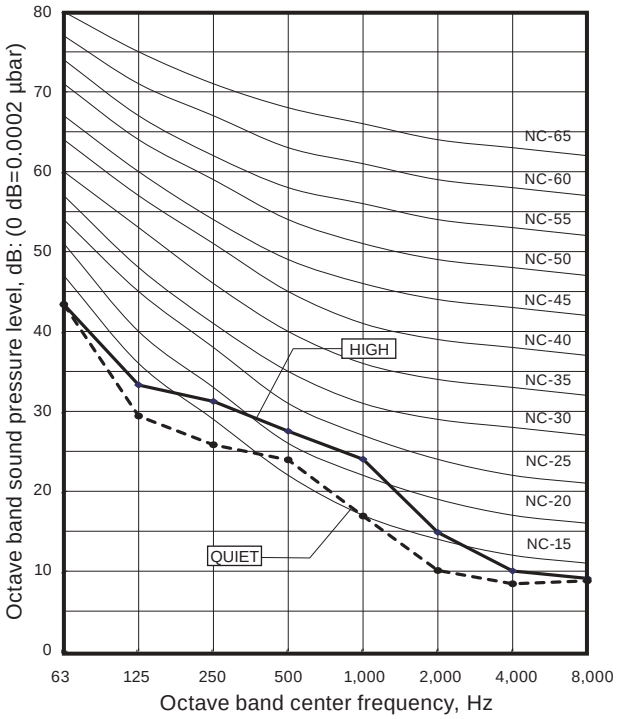


● Heating

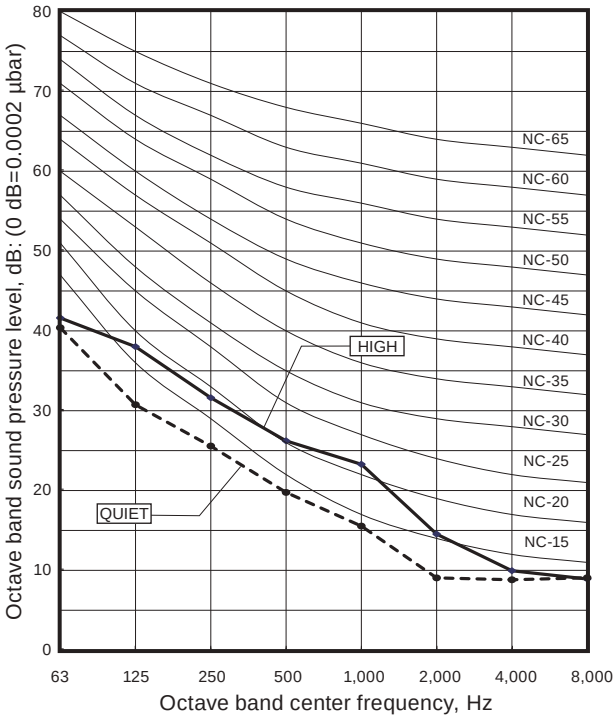


■ Model: ARXG09KLLAP

● Cooling



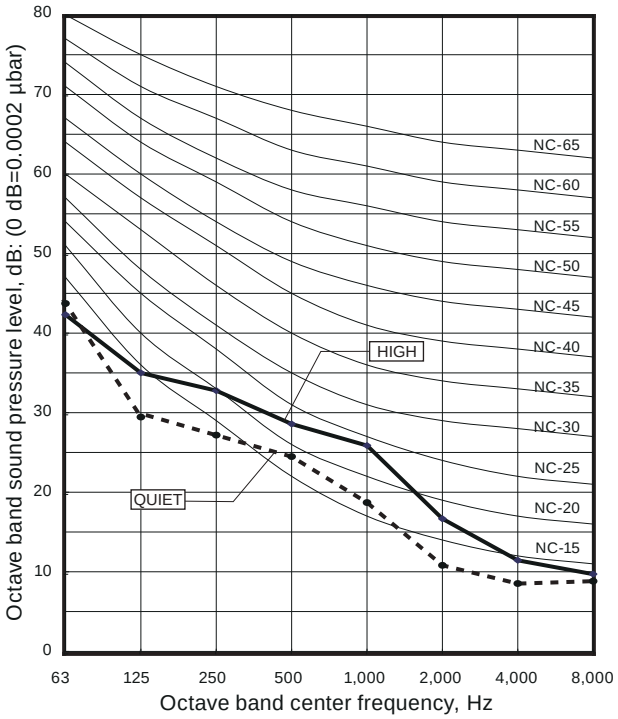
● Heating



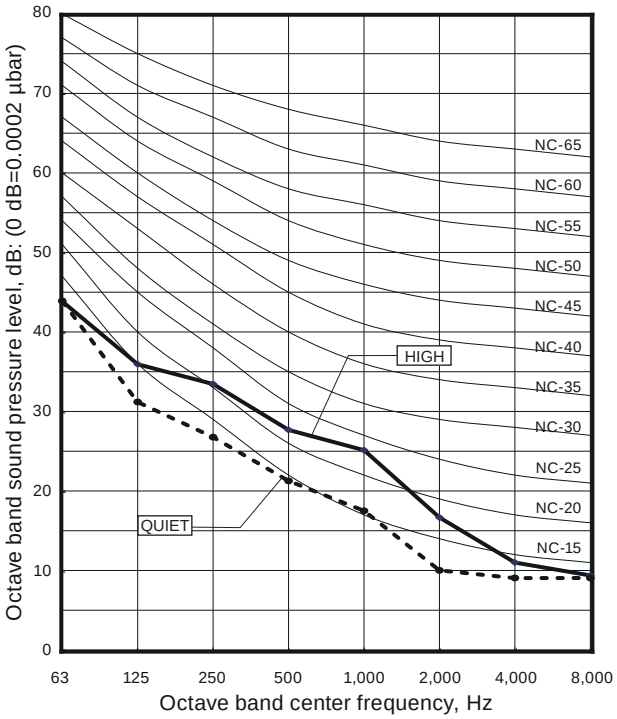
4-5 UNIT
MULTI-SPLIT TYPE

■ Model: ARXG12KLLAP

● Cooling

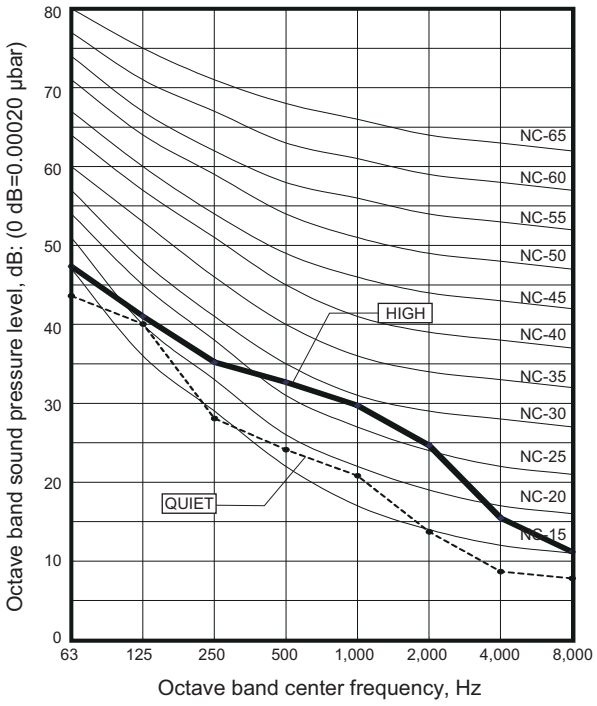


● Heating

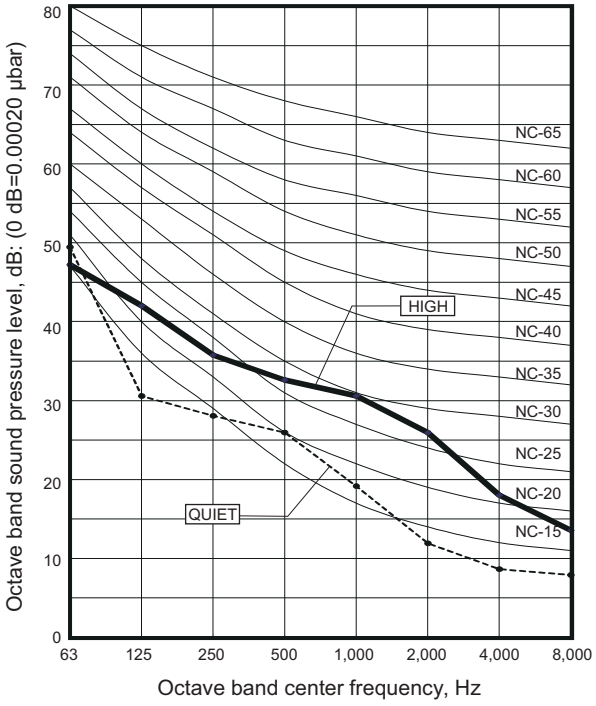


■ Model: ARXG14KLLAP

● Cooling



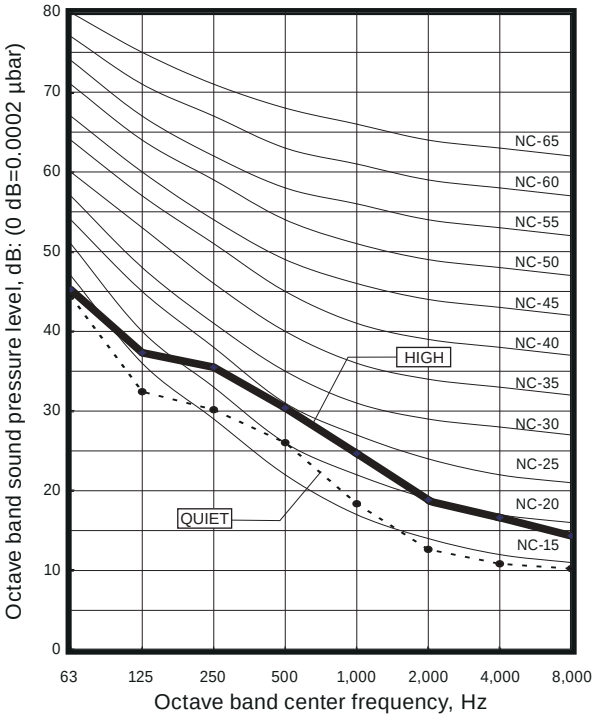
● Heating



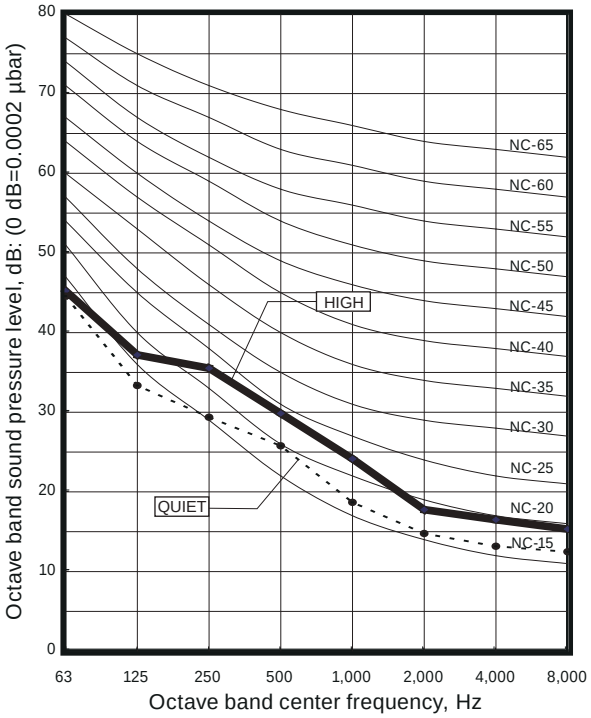
4-5 UNIT
MULTI-SPLIT TYPE

■ Model: ARXG18KLLAP

● Cooling



● Heating

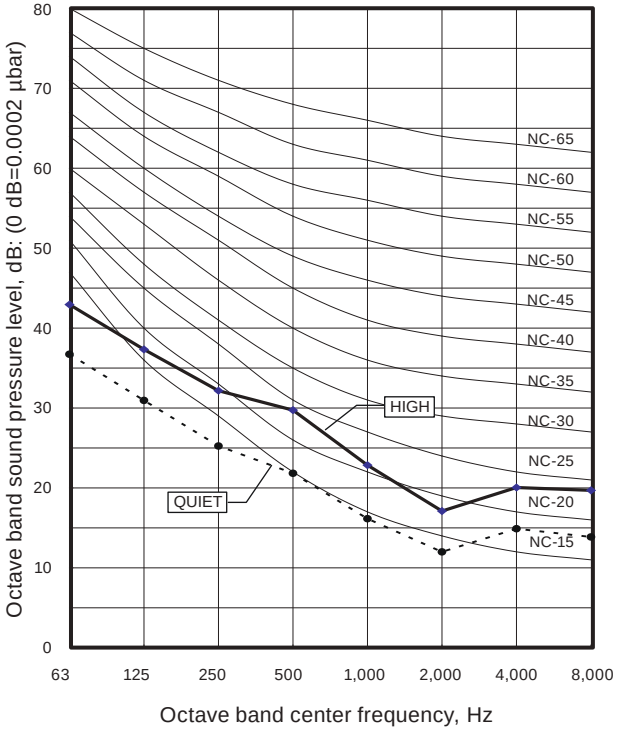


4-5 UNIT
MULTI-SPLIT TYPE

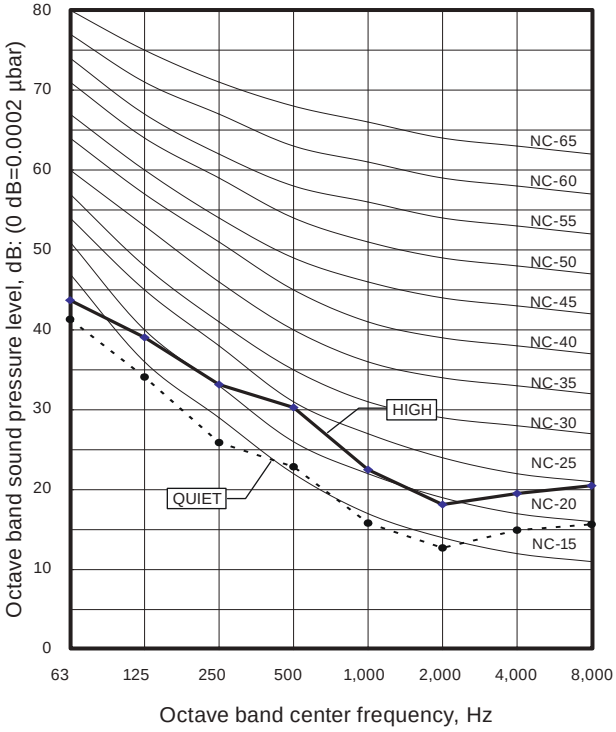
8-4. Medium static pressure duct type

■ Model: ARXG22KMLB

● Cooling



● Heating

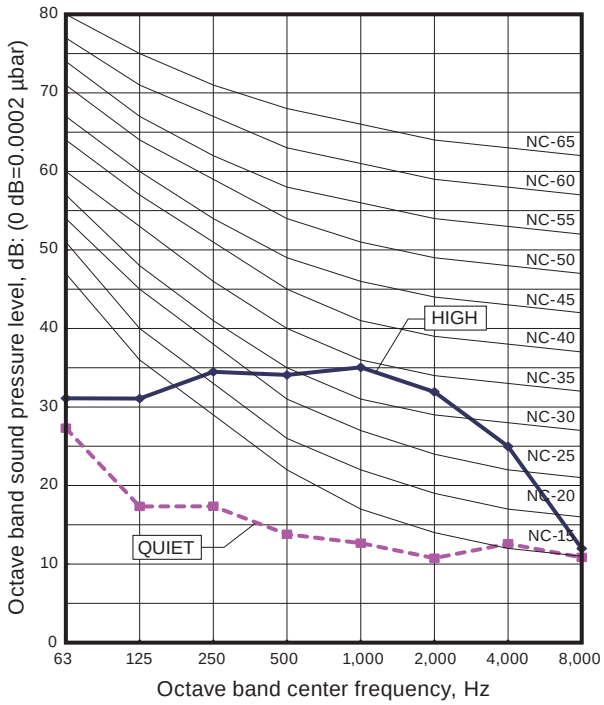


4-5 UNIT
MULTI-SPLIT TYPE

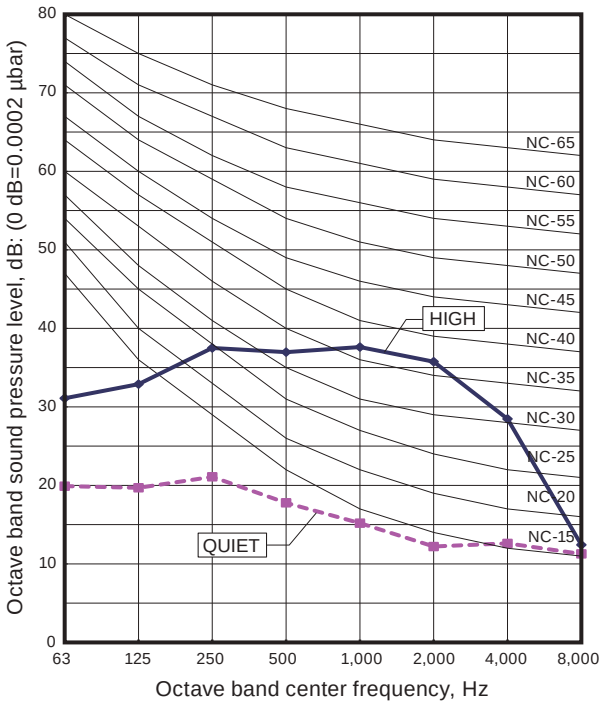
8-5. Wall mounted type

■ Model: ASYG07KGTB

● Cooling

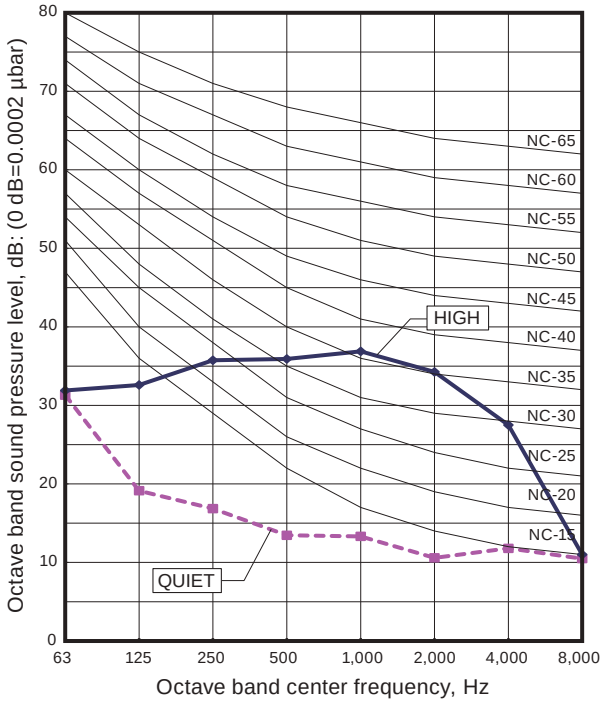


● Heating

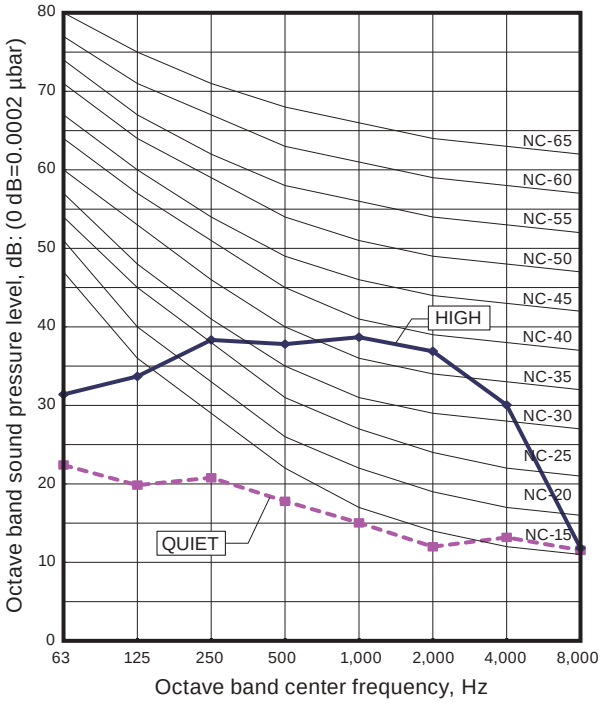


■ Model: ASYG09KGTB

● Cooling



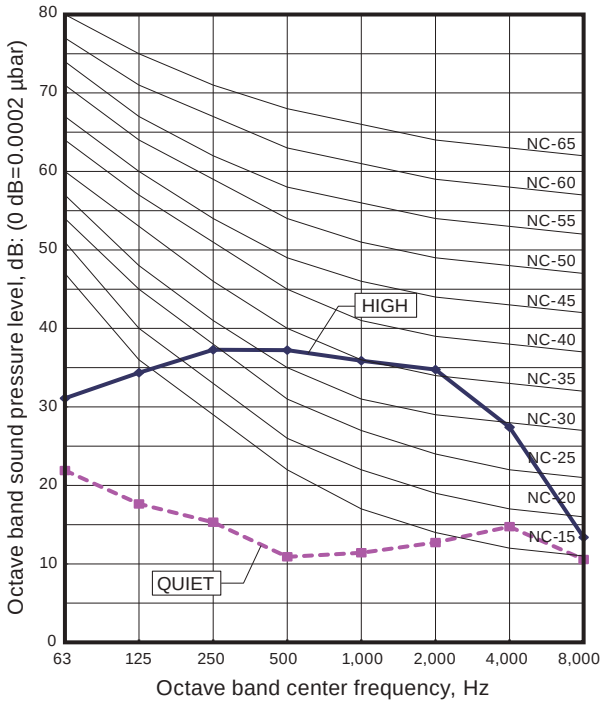
● Heating



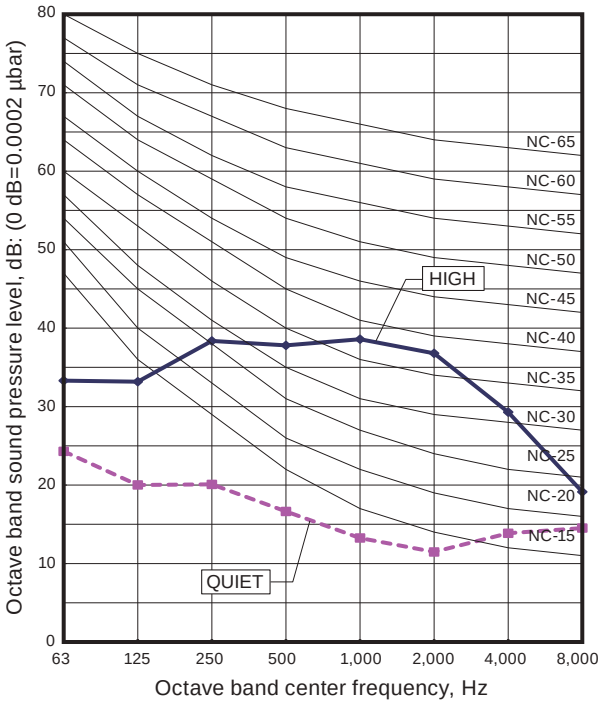
4-5 UNIT
MULTI-SPLIT TYPE

■ Model: ASYG12KGTB

● Cooling

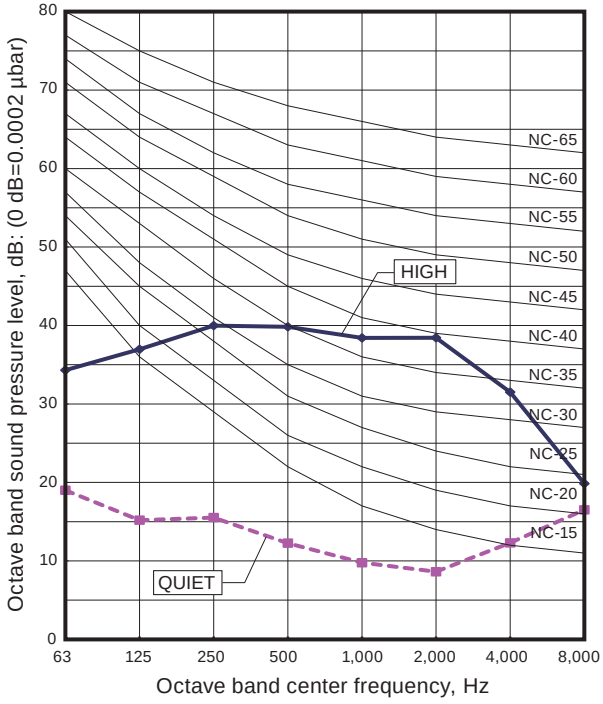


● Heating

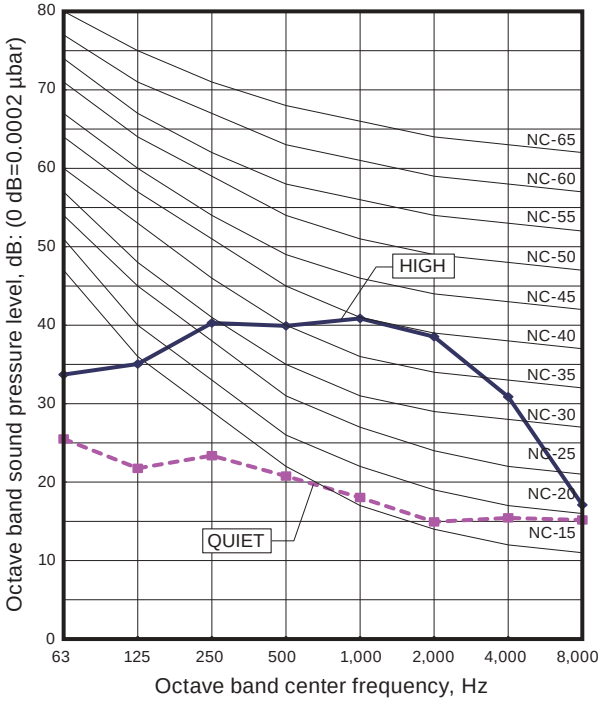


■ Model: ASYG14KGTB

● Cooling



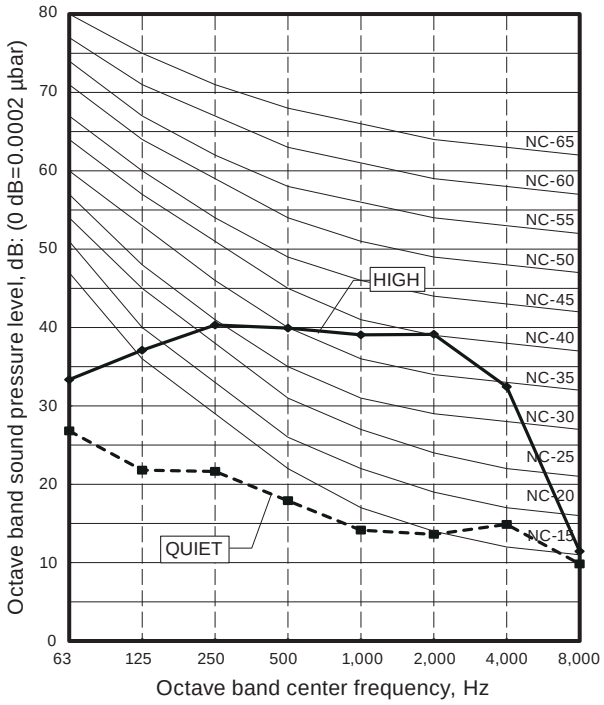
● Heating



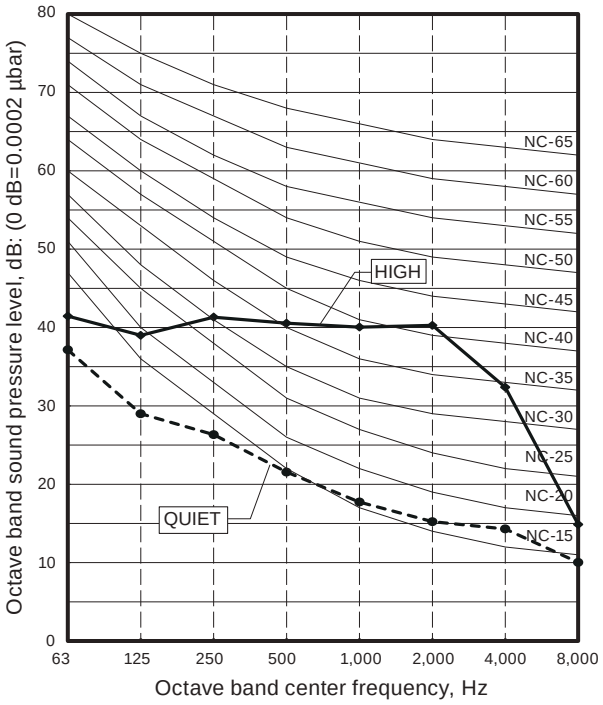
4-5 UNIT
MULTI-SPLIT TYPE

■ Model: ASYG18KMTB

● Cooling

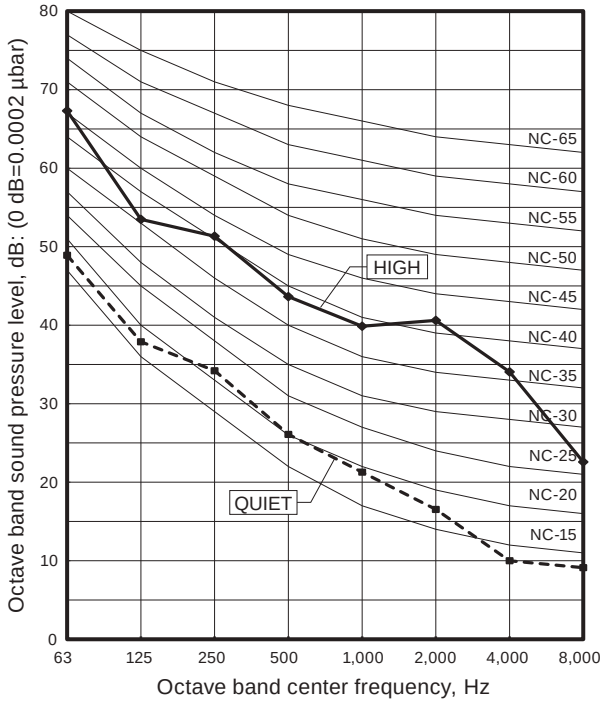


● Heating

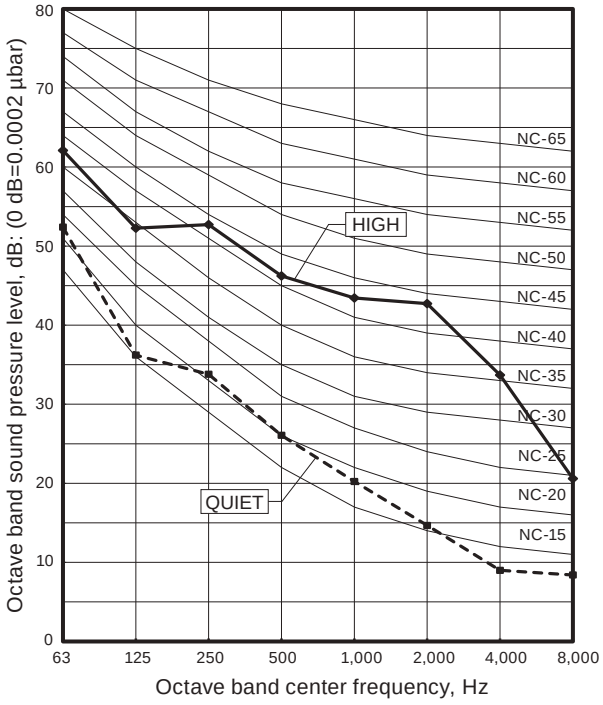


■ Model: ASYG22KMTB

● Cooling



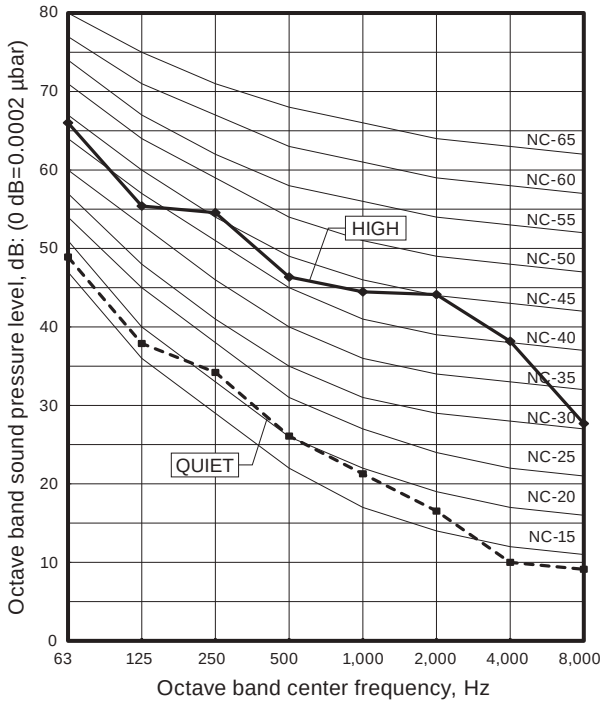
● Heating



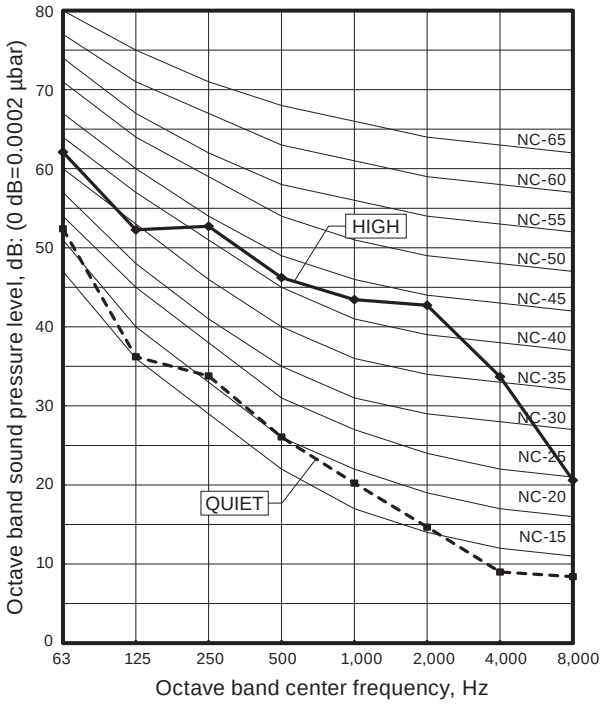
4-5 UNIT
MULTI-SPLIT TYPE

■ Model: ASYG24KMTB

● Cooling

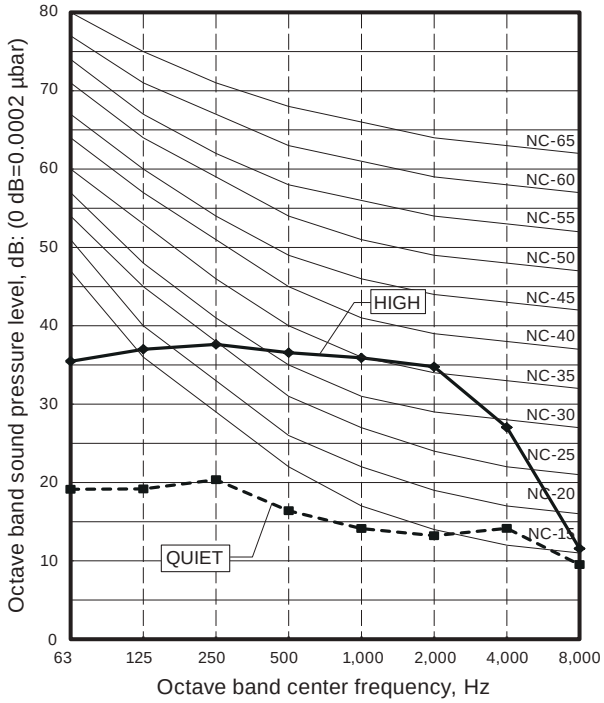


● Heating

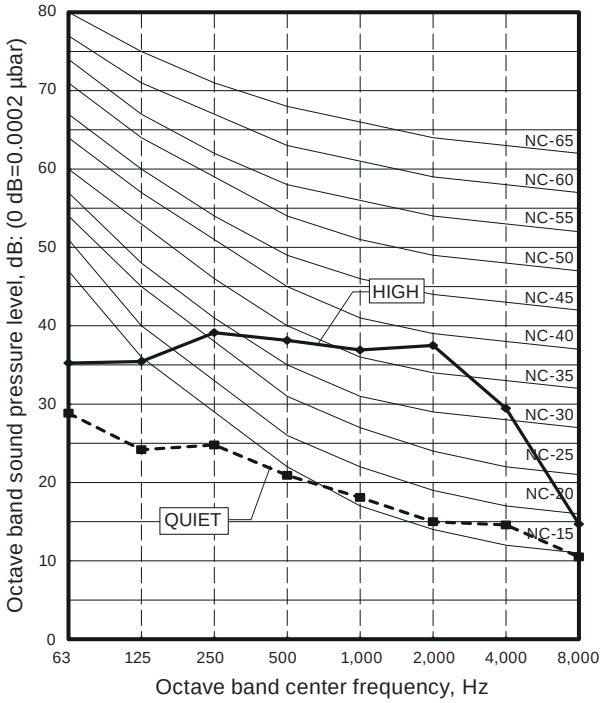


■ Models: ASYG07KMTB, ASYG07KMCC, ASYG07KETA, and ASYG07KETA-B

● Cooling



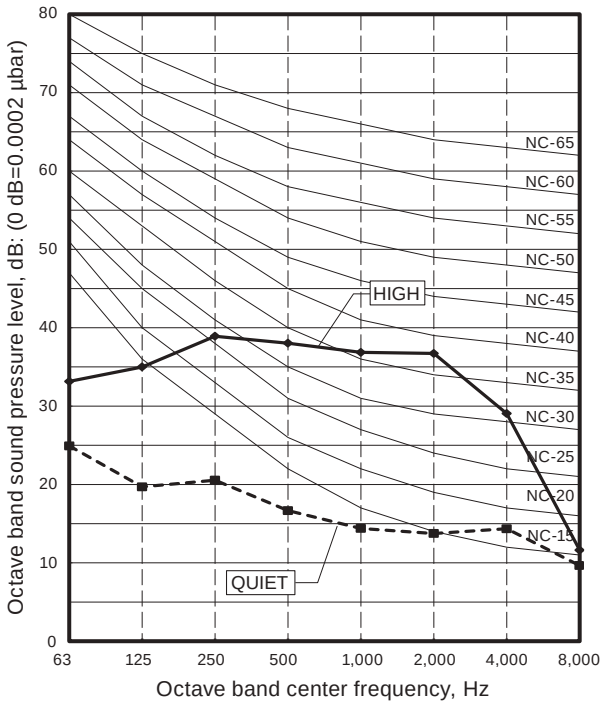
● Heating



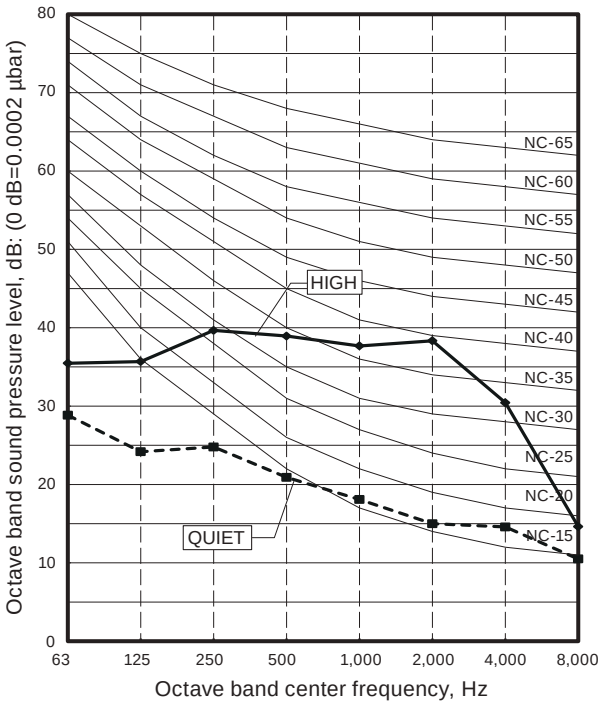
4-5 UNIT
MULTI-SPLIT TYPE

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

● Cooling

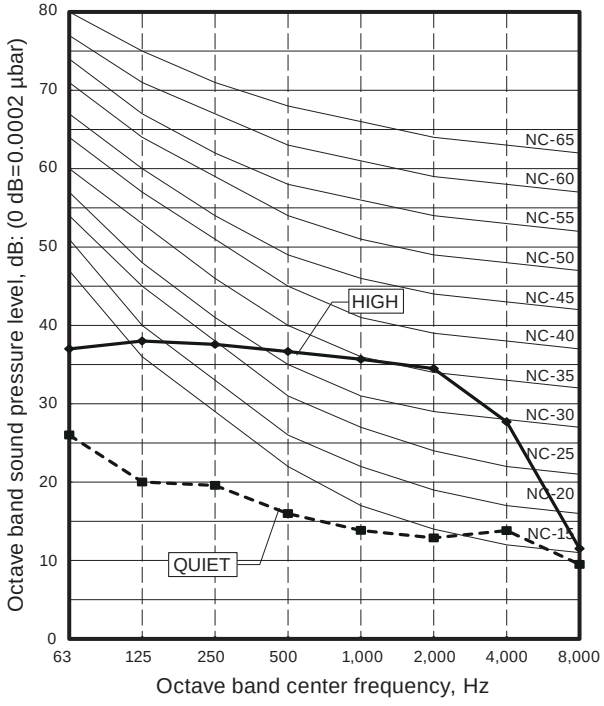


● Heating

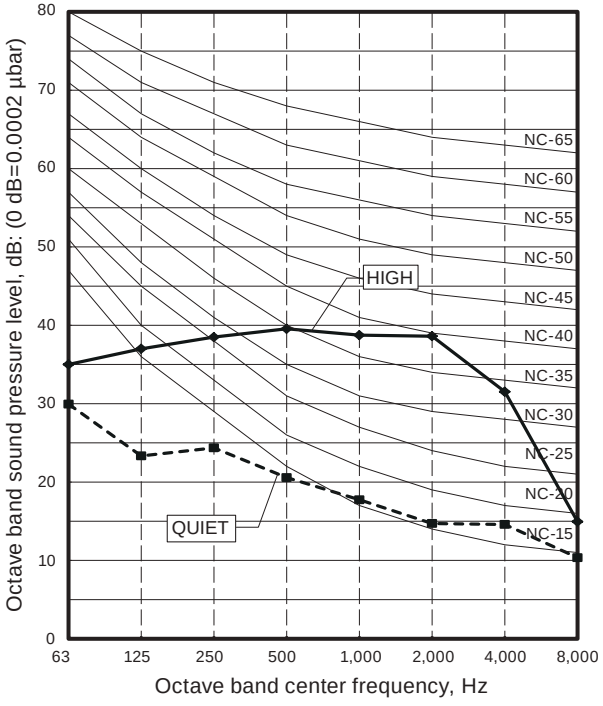


■ Models: ASYG12KMTB, ASYG12KMCC, ASYG12KETA, and ASYG12KETA-B

● Cooling



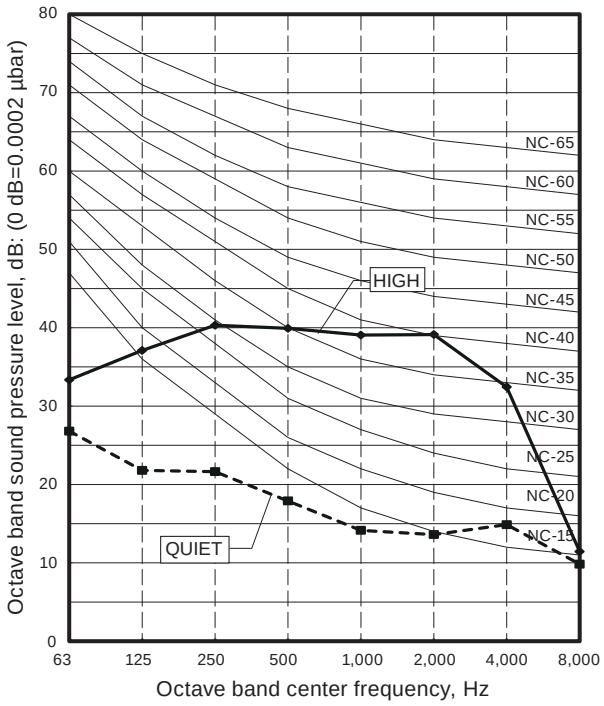
● Heating



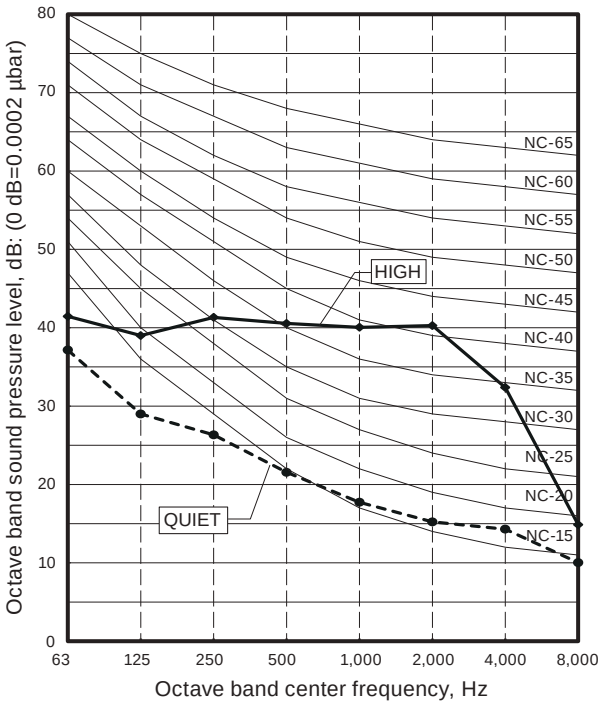
4-5 UNIT
MULTI-SPLIT TYPE

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

● Cooling



● Heating

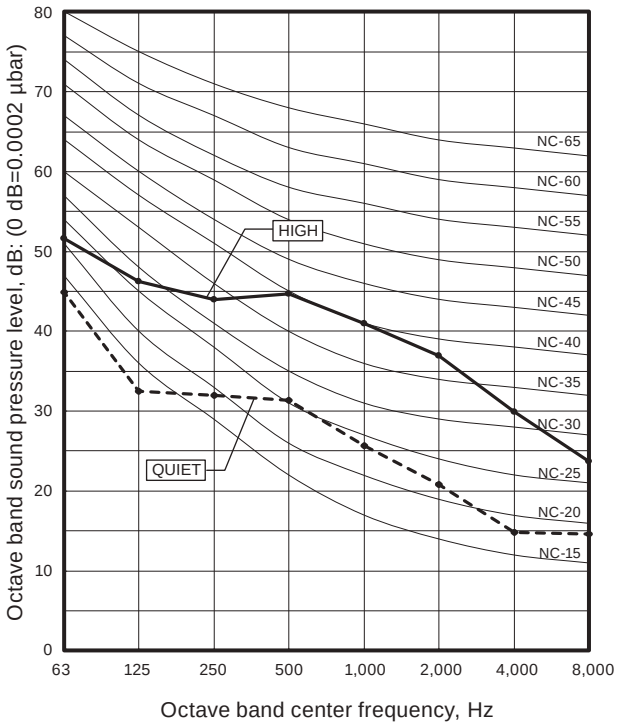


4-5 UNIT
MULTI-SPLIT TYPE

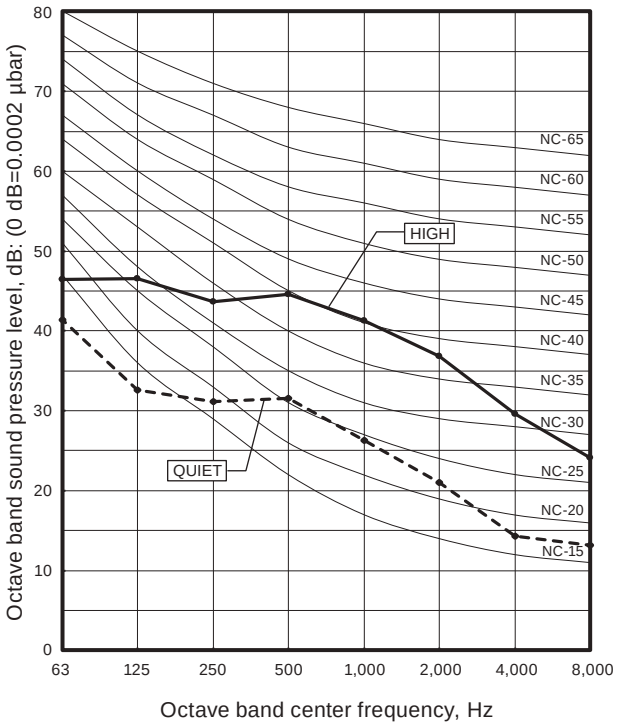
8-6. Ceiling type

■ Model: ABYG18KRTA

● Cooling

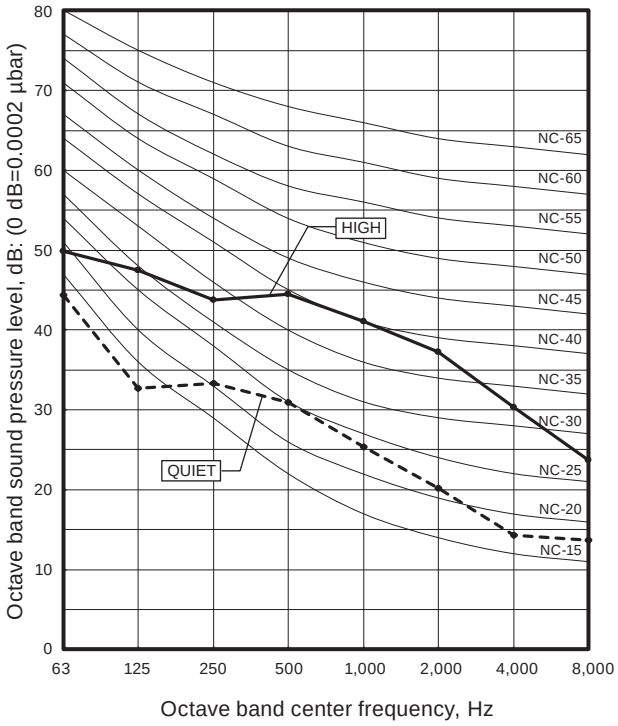


● Heating

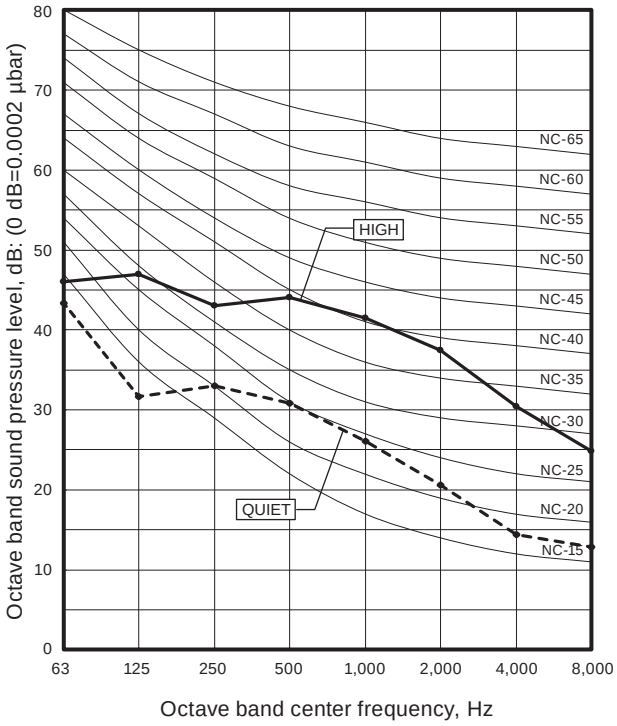


■ Model: ABYG22KRTA

● Cooling



● Heating

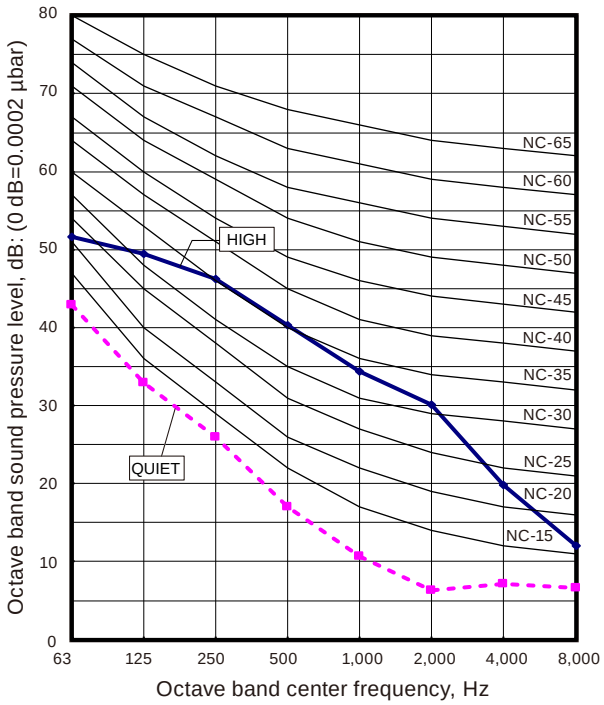


4-5 UNIT
MULTI-SPLIT TYPE

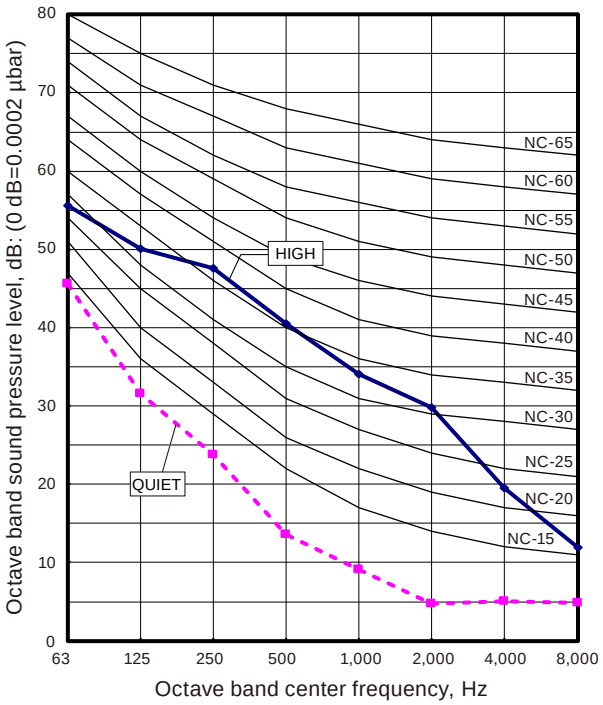
8-7. Floor type

■ Model: AGYG09KVCA

● Cooling

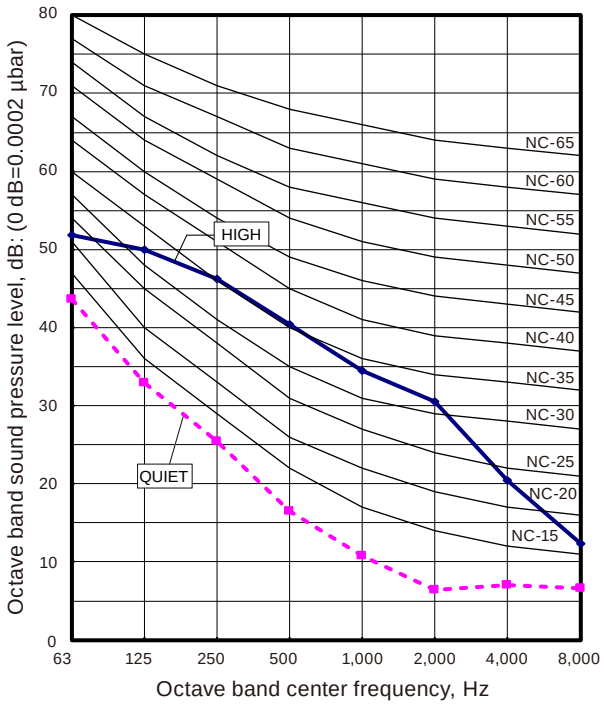


● Heating

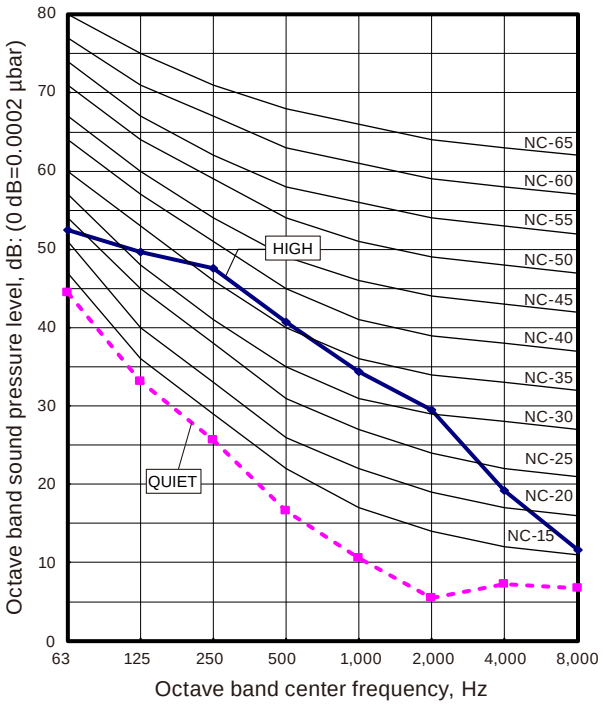


■ Model: AGYG12KVCA

● Cooling



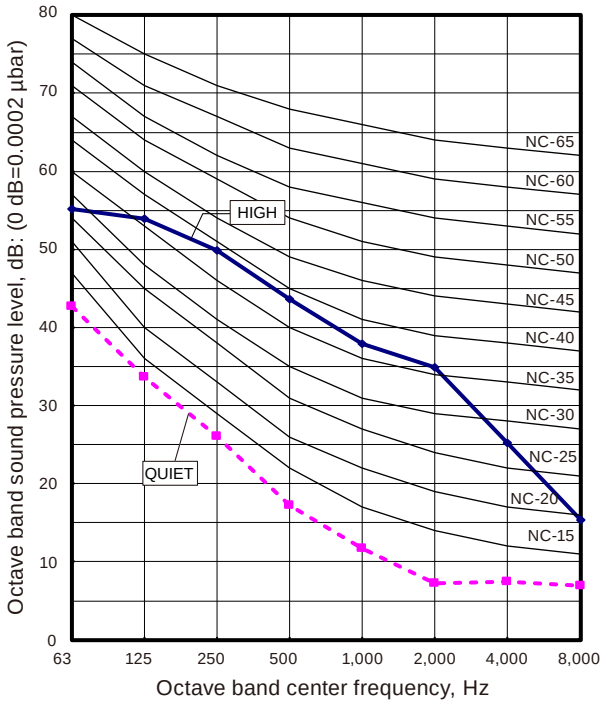
● Heating



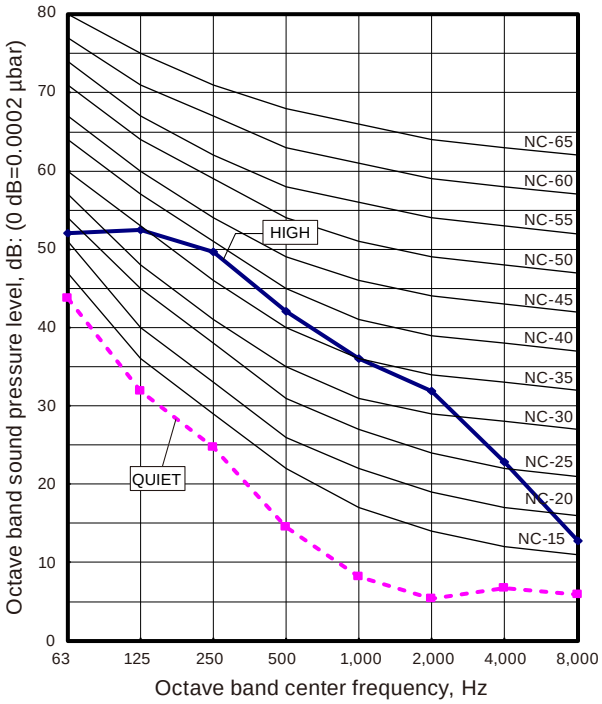
4-5 UNIT
MULTI-SPLIT TYPE

■ Model: AGYG14KVCA

● Cooling



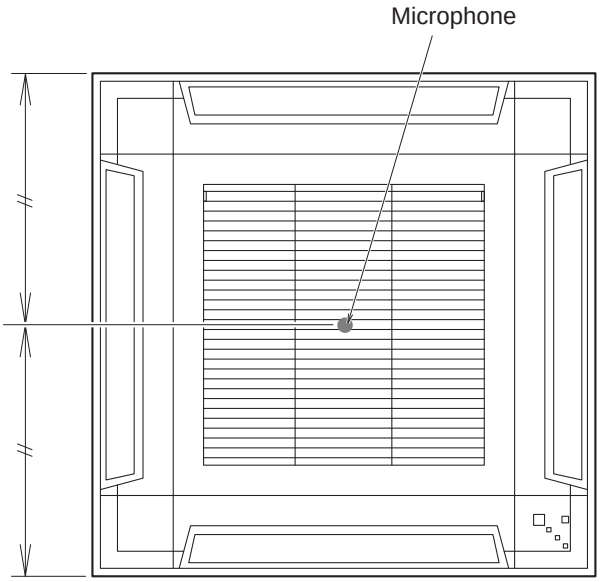
● Heating

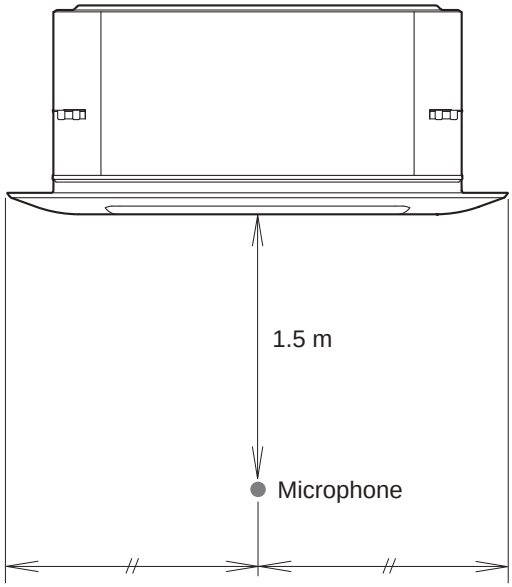


4-5 UNIT
MULTI-SPLIT TYPE

8-8. Sound level check point

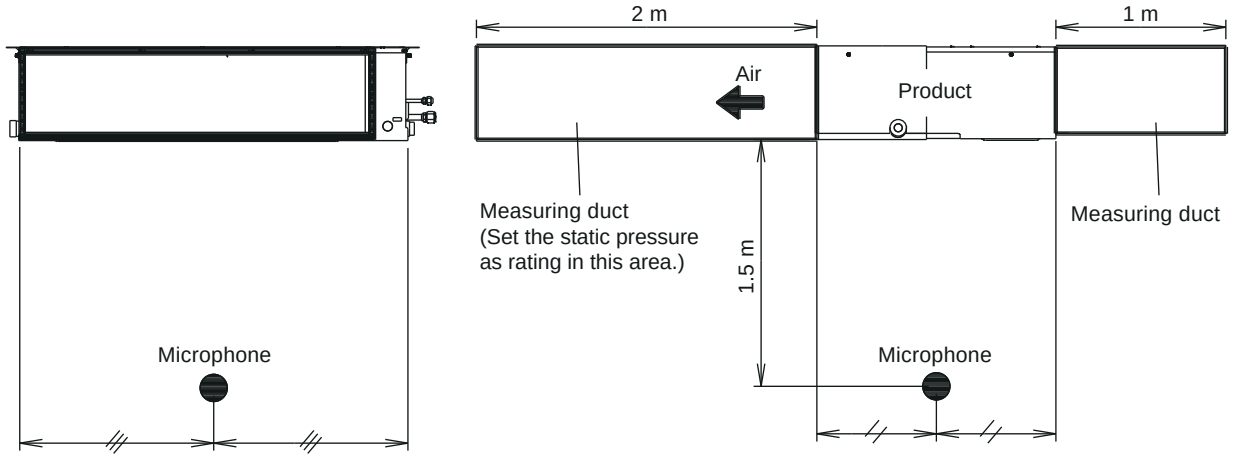
■ Compact cassette type





4-5 UNIT
MULTI-SPLIT TYPE

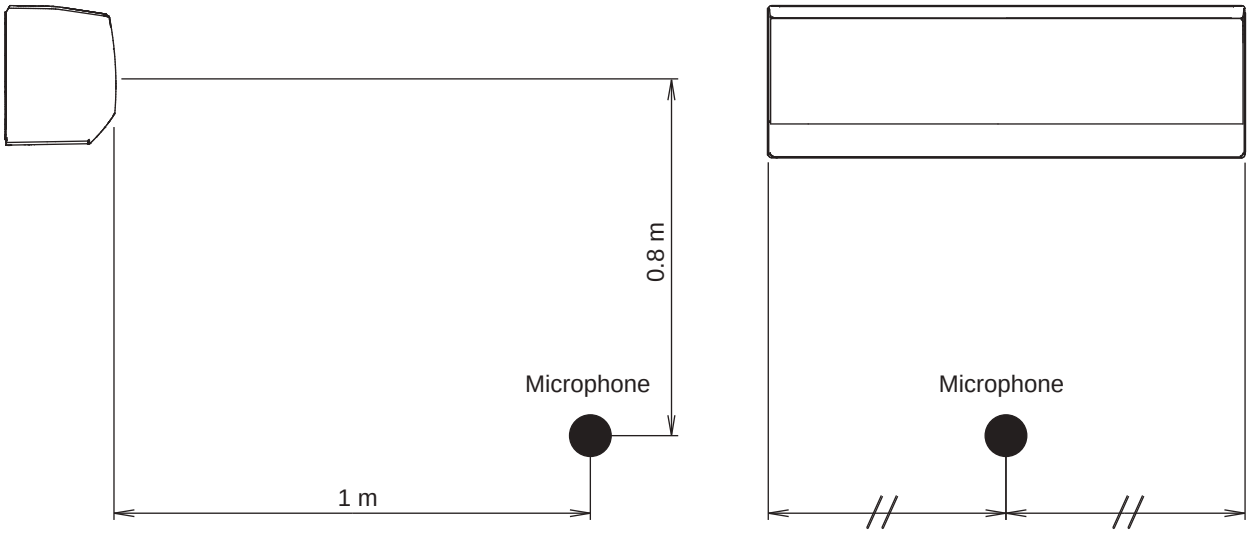
■ Mini duct type, Slim duct type, and Medium static pressure duct type



Front view

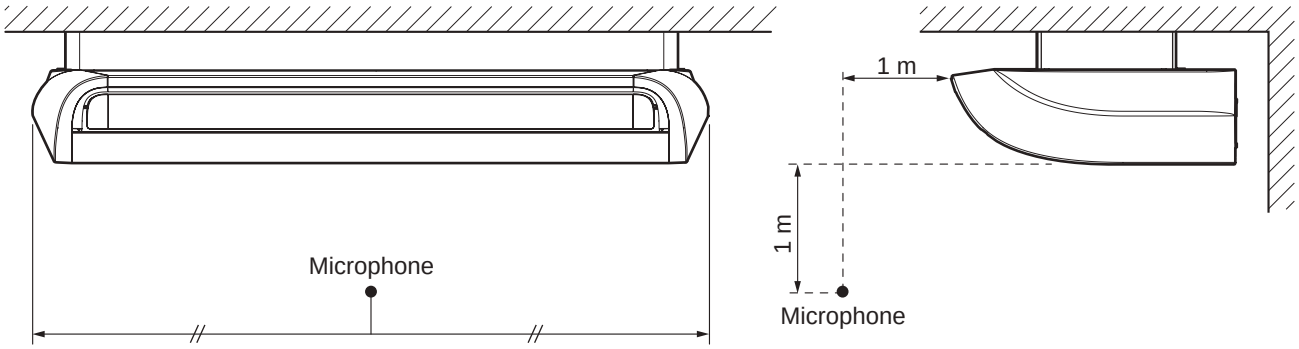
Side view

■ Wall mounted type



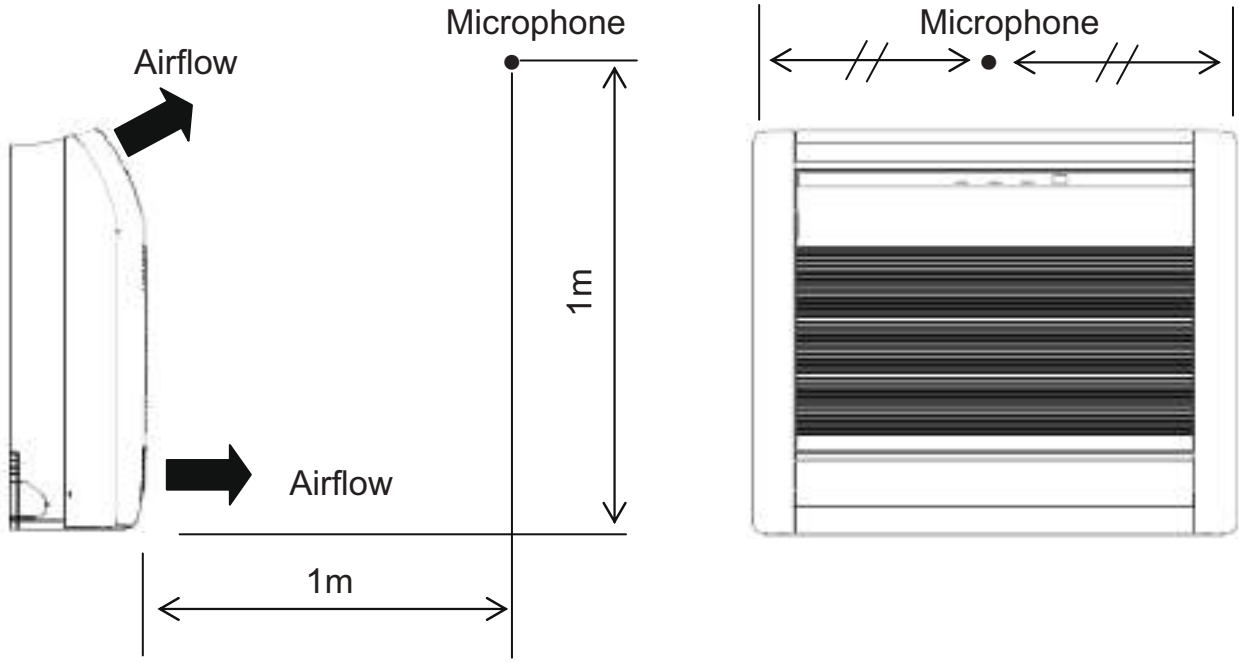
NOTE: Detailed shape of the actual indoor unit might be slightly different from the one illustrated above.

■ Ceiling type



4-5 UNIT
MULTI-SPLIT TYPE

■ Floor type



4-5 UNIT MULTI-SPLIT TYPE

9. Electrical characteristics

		Power supply (50 Hz, 230 V)	Indoor rated		Wiring spec. of connection cable (Indoor unit to outdoor unit)	
Type	Model name	MCA	Input power	FLA	Cross-sectional area	Limited wiring length
		(A)	(W)	(A)	(mm^2)	(m)
Compact cassette	AUXG07KVLA	0.19	18	0.15	1.5	26
	AUXG09KVLA	0.19	18	0.15		
	AUXG12KVLA	0.24	23	0.19		
	AUXG14KVLA	0.28	28	0.22		
	AUXG18KVLA	0.38	39	0.30		
	AUXG22KVLA	0.75	84	0.62		
Mini duct	ARXG07KSLAP	0.33	33	0.29	1.5	26
	ARXG09KSLAP	0.38	40	0.33		
	ARXG12KSLAP	0.42	47	0.38		
	ARXG14KSLAP	0.67	72	0.58		
	ARXG18KSLAP	0.61	63	0.49		
Slim duct	ARXG07KLLAP	0.41	33	0.33	1.5	26
	ARXG09KLLAP	0.38	49	0.30		
	ARXG12KLLAP	0.44	58	0.35		
	ARXG14KLLAP	0.64	76	0.51		
	ARXG18KLLAP	0.55	73	0.44		
Medium static pressure duct	ARXG22KMLB	1.00	94	0.60	1.5	26
Wall mounted	ASYG07KGTB	0.25	23	0.20	1.5	26
	ASYG09KGTB	0.30	27	0.24		
	ASYG12KGTB	0.30	27	0.24		
	ASYG14KGTB	0.37	33	0.29		
	ASYG18KMTB	0.44	38	0.35		
	ASYG22KMTB	0.49	47	0.39		
	ASYG24KMTB	0.55	62	0.44		
	ASYG07KMTB	0.25	23	0.20		
	ASYG09KMTB	0.30	27	0.24		
	ASYG12KMTB	0.30	27	0.24		
	ASYG14KMTB	0.38	33	0.30		
	ASYG07KMCC	0.25	23	0.20		
	ASYG09KMCC	0.30	27	0.24		
	ASYG12KMCC	0.30	27	0.24		
	ASYG14KMCC	0.38	33	0.30		
	ASYG07KETA ASYG07KETA-B	0.25	23	0.20		
	ASYG09KETA ASYG09KETA-B	0.30	27	0.24		
	ASYG12KETA ASYG12KETA-B	0.30	27	0.24		
	ASYG14KETA ASYG14KETA-B	0.38	33	0.30		
Ceiling	ABYG18KRTA	0.39	37	0.21	1.5	26
	ABYG22KRTA	0.49	46	0.25		
Floor	AGYG09KVCA	0.19	16	0.15	1.5	26
	AGYG12KVCA	0.23	20	0.18		
	AGYG14KVCA	0.25	23	0.20		

4-5 UNIT
MULTI-SPLIT TYPE

MCA: Minimum Circuit Ampacity = Maximum operating current (Full load)
FLA: Full Load Amperes (Fan motor)

4-5 UNIT
MULTI-SPLIT TYPE

10. Safety devices

Indoor unit type	Model name	PCB* fuse	Fan motor thermal protector	Terminal thermal fuse	Float switch
Compact cassette	AUXG07KVLA	250 V, 5 A	Activate: 100 ±15 °C Fan motor stop Reset: 95 ±10 °C Fan motor restart	—	○
	AUXG09KVLA				
	AUXG12KVLA				
	AUXG14KVLA				
	AUXG18KVLA				
	AUXG22KVLA				
Mini duct	ARXG07KSLAP		Activate: 135 ±15 °C Fan motor stop Reset: 105 ±15 °C Fan motor restart		
	ARXG09KSLAP				
	ARXG12KSLAP				
	ARXG14KSLAP				
	ARXG18KSLAP				
Slim duct	ARXG07KLLAP				
	ARXG09KLLAP				
	ARXG12KLLAP				
	ARXG14KLLAP				
	ARXG18KLLAP				
Medium static pressure duct	ARXG22KMLB		Activate: 135 ±15 °C Fan motor stop Reset: 115 ±15 °C Fan motor restart		

4-5 UNIT MULTI-SPLIT TYPE

Indoor unit type	Model name	PCB* fuse	Fan motor thermal protector	Terminal thermal fuse	Float switch
Wall mounted	ASYG07KGTB	250 V, 3.15 A	Activate: 110 ±15 °C Fan motor speed down Reset: 110 ±15 °C Fan motor speed recover	102 °C Off	—
	ASYG09KGTB				
	ASYG12KGTB		Activate: 125 ±10 °C Fan motor stop Reset: 100 ±10 °C Fan motor restart		
	ASYG14KGTB				
	ASYG18KMTB		Activate: 125 ±10 °C Fan motor stop Reset: 100 ±10 °C Fan motor restart		
	ASYG22KMTB				
	ASYG24KMTB				
	ASYG07KMTB		Activate: More than 95 °C Fan motor speed down Reset: 95 °C or less Fan motor speed recover		
	ASYG09KMTB				
	ASYG12KMTB				
	ASYG14KMTB		Activate: 125 ±10 °C Fan motor stop Reset: 100 ±10 °C Fan motor restart		
	ASYG07KMCC		Activate: 170 $^{+25}_{-30}$ °C Fan motor stop Reset: 145 $^{+25}_{-30}$ °C Fan motor restart	—	
	ASYG09KMCC				
	ASYG12KMCC				
	ASYG14KMCC				
	ASYG07KETA ASYG07KETA-B		Activate: 110 ±15 °C Fan motor speed down Reset: 110 ±15 °C Fan motor speed recover	102 °C Off	
	ASYG09KETA ASYG09KETA-B				
	ASYG12KETA ASYG12KETA-B				
	ASYG14KETA ASYG14KETA-B		Activate: 125 ±10 °C Fan motor stop Reset: 100 ±10 °C Fan motor restart		
Ceiling	ABYG18KRTA	250 V, 3.15 A	Activate: 135 ±15 °C Fan motor stop Reset: 105 ±15 °C Fan motor restart	108 °C Off	—
	ABYG22KRTA	250V, 5.0 A			
Floor	AGYG09KVCA	250V, 5.0 A	Activate: 150 ±15 °C Fan motor stop Reset: 120 ±15 °C Fan motor restart	110 °C Off	—
	AGYG12KVCA				
	AGYG14KVCA				

*: Printed Circuit Board

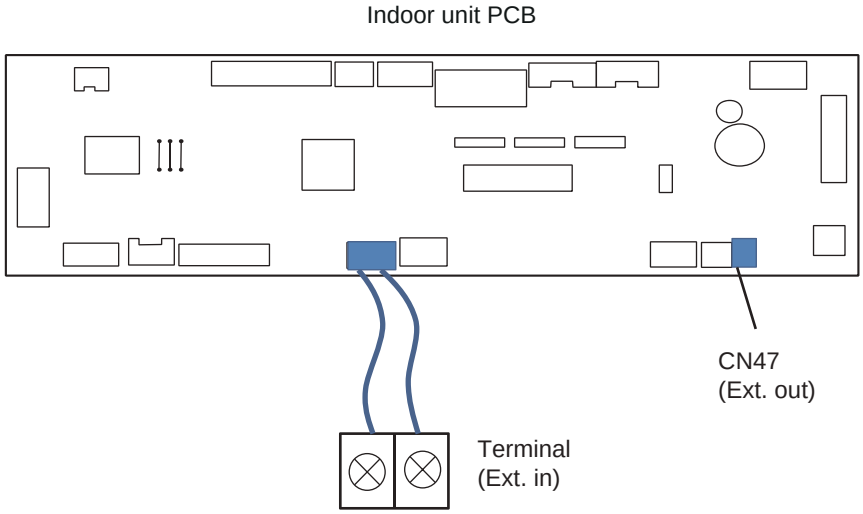
4-5 UNIT
MULTI-SPLIT TYPE

11. External input and output

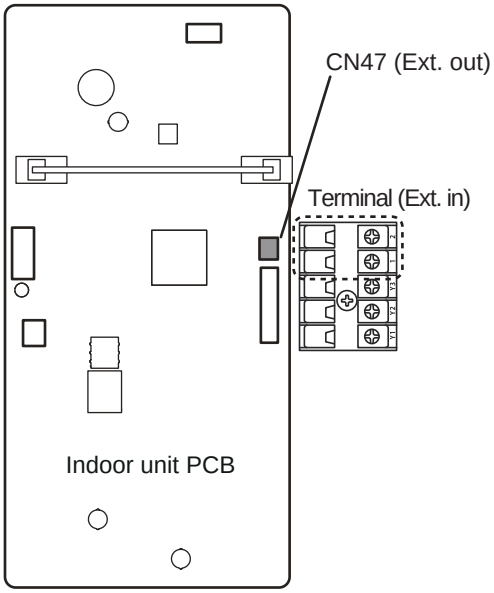
11-1. Compact cassette type, Mini duct type, Slim duct type, and Medium static pressure duct type

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

- **Compact cassette type:**



- **Mini duct type, Slim duct type, and Medium static pressure duct types:**



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

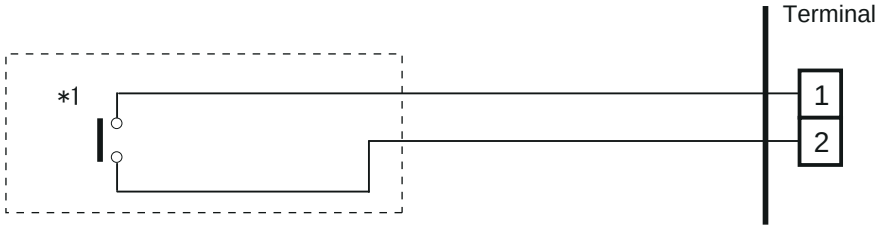
4-5 UNIT
MULTI-SPLIT TYPE

■ External input

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

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

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



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

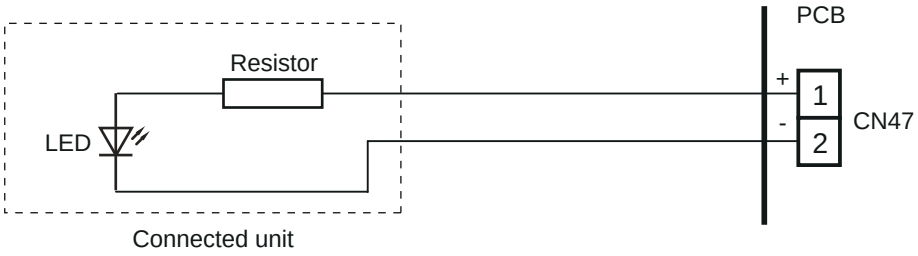
■ External output

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

- A twisted pair cable (22AWG) should be used. Maximum length of cable is 25 m.
- Output voltage: High DC 12 V ± 2 V, Low 0 V.
- Permissible current: 50 mA
- For details, refer to "Combination of external input and output" on page 152.

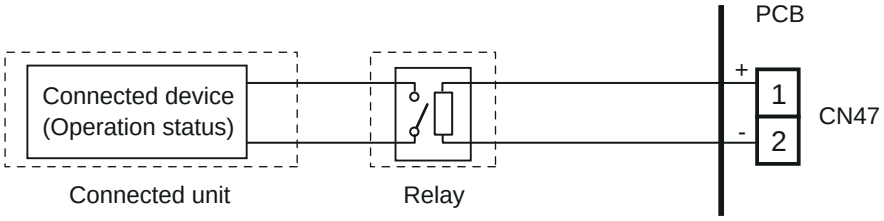
● When indicator, etc. are connected directly

Example: Function setting 60 is set to "00"



● When connecting with a device equipped with a power supply

Example: Function setting 60 is set to "00"



4-5 UNIT
MULTI-SPLIT TYPE

■ 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".

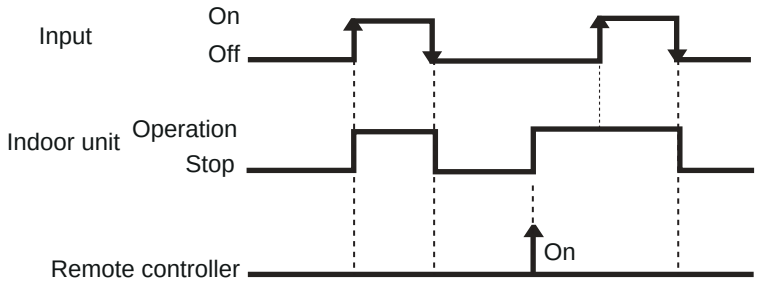
4-5 UNIT
MULTI-SPLIT TYPE

■ 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

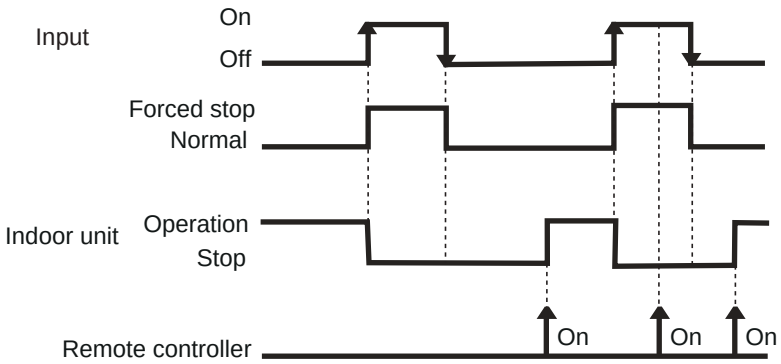


NOTES:

- 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



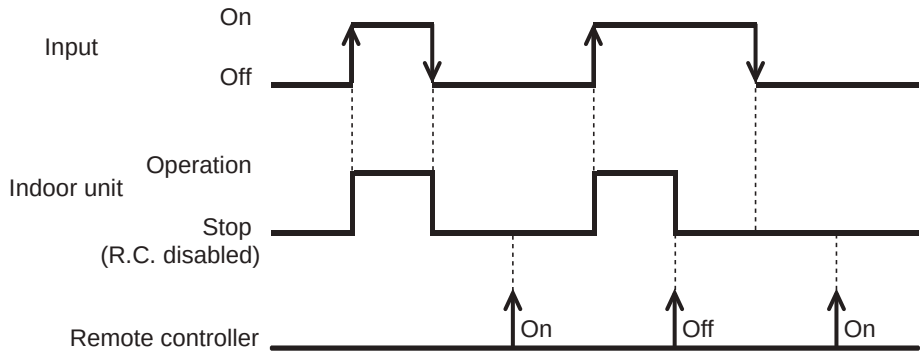
NOTES:

- 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.

4-5 UNIT MULTI-SPLIT TYPE

- **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)

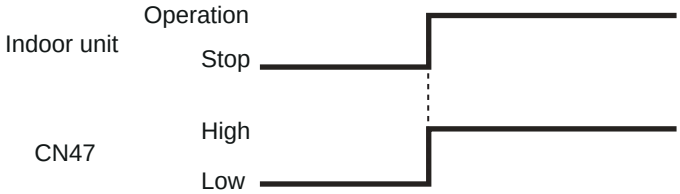


NOTE: When "Operation/Stop" mode 2 function is used with forming a remote controller group, connect the same equipment to each indoor unit within the group.

● Control output function

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

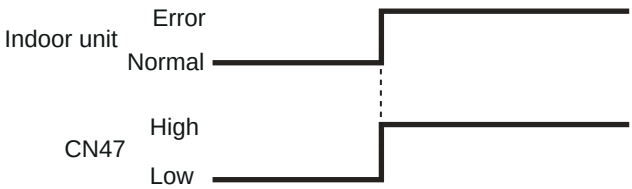
The output is low when the unit is stopped.



● 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.

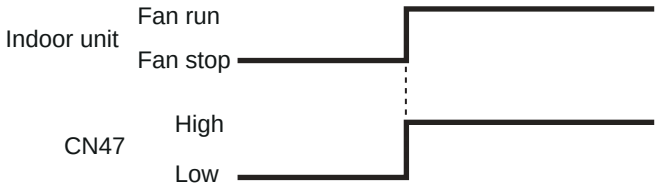


4-5 UNIT MULTI-SPLIT TYPE

● 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. During thermostat off when in dry mode operation.
High → Low	



● External heater output

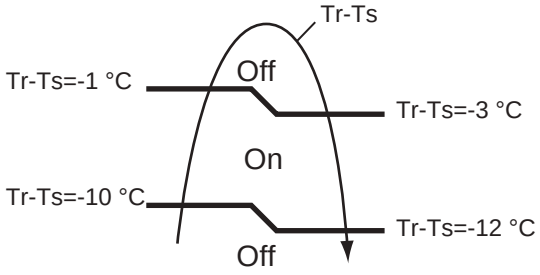
Function setting	External output	Output signal	Command
60—11	CN47	Low → High	Heater on
		High → Low	Heater off

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 • Forced thermo off • Fan stop protection
On → Off	

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

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

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

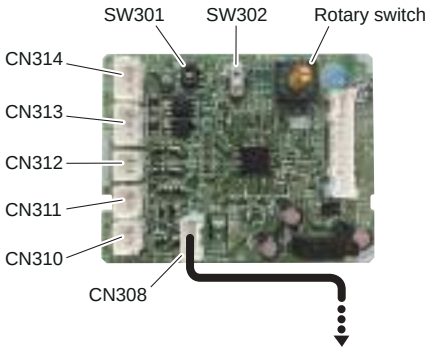


The output also turns off in defrost operation.

4-5 UNIT
MULTI-SPLIT TYPE

11-2. Wall mounted type (KGTB, 18-24KMTB, KETA, and KETA-B)

External input and output PCB



PCB	External input	External output	Connector	Input select	Input signal
External input and output (UTY-XCSXZ2)	Operation/Stop	-	CN313/ CN314	Dry contact/ Apply voltage	Edge/Pulse
	Forced stop				
	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.

4-5 UNIT
MULTI-SPLIT TYPE

■ External input

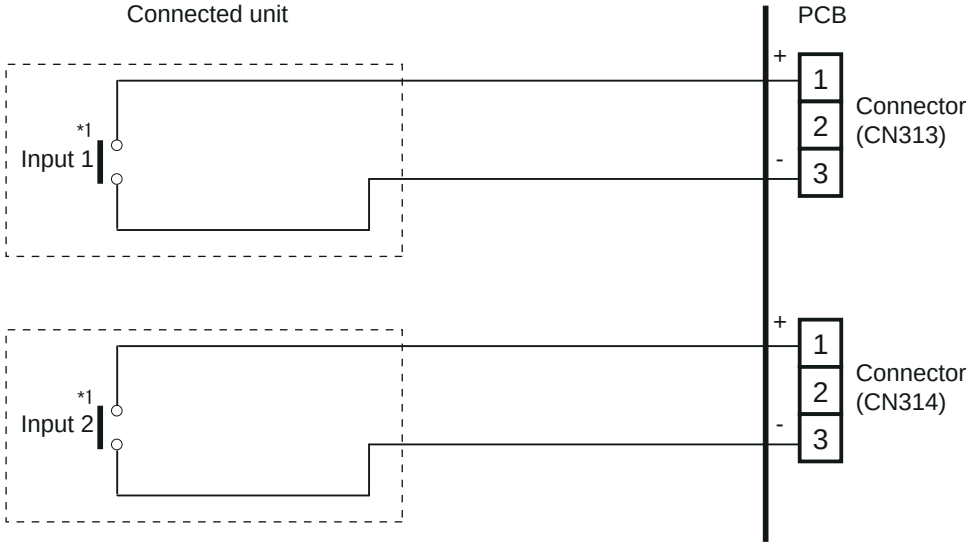
With using external input function, some functions on this product can be controlled from an external device.

- “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

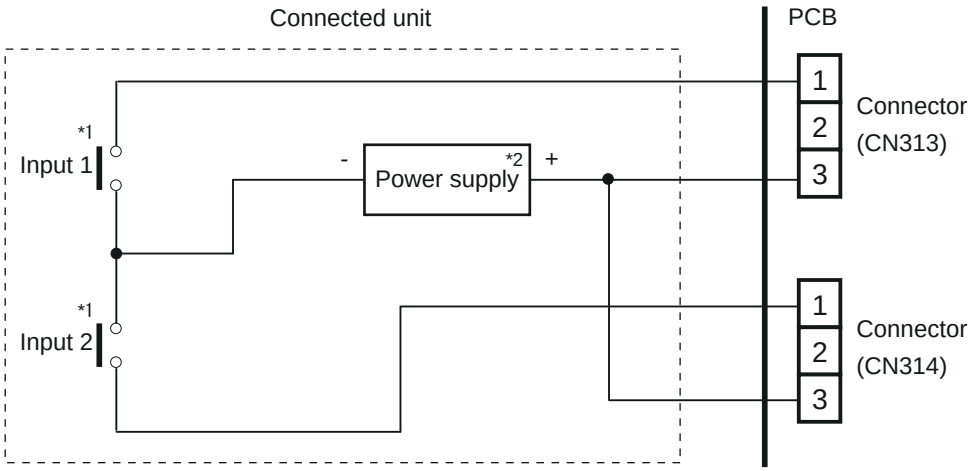
The indoor unit Operation/Stop can be set by using the input connector on the PCB.

- **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.

4-5 UNIT MULTI-SPLIT TYPE

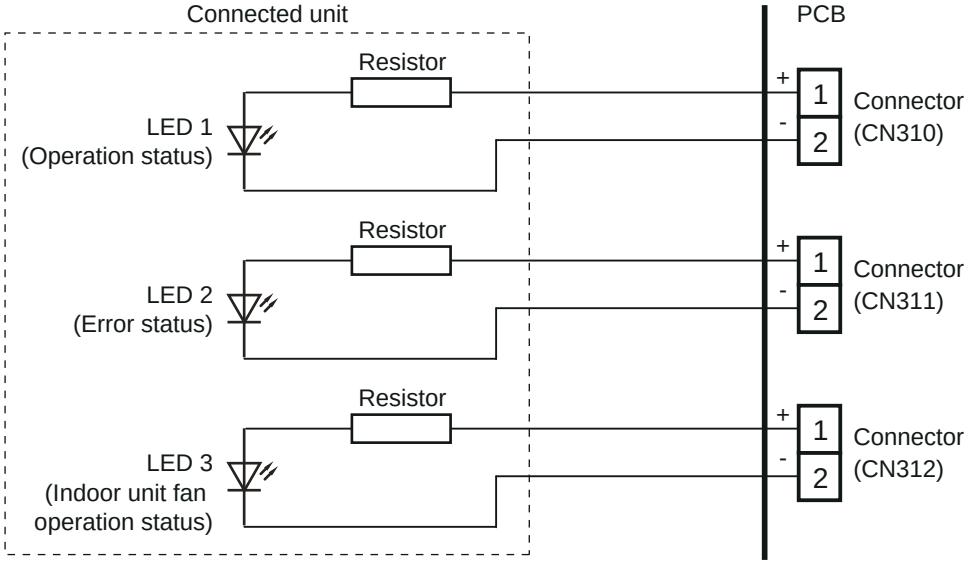
■ External output

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

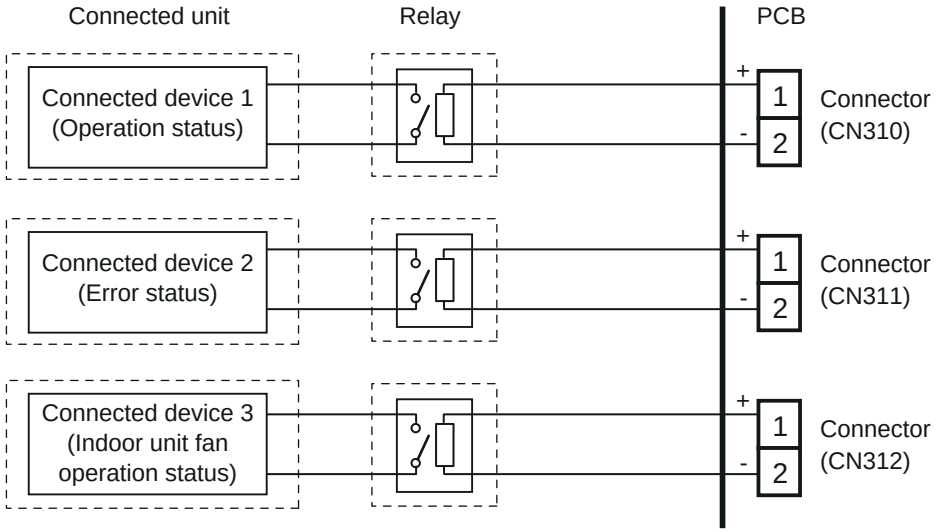
● External input and output PCB

- 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 159.

- **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".



4-5 UNIT MULTI-SPLIT TYPE

■ 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)

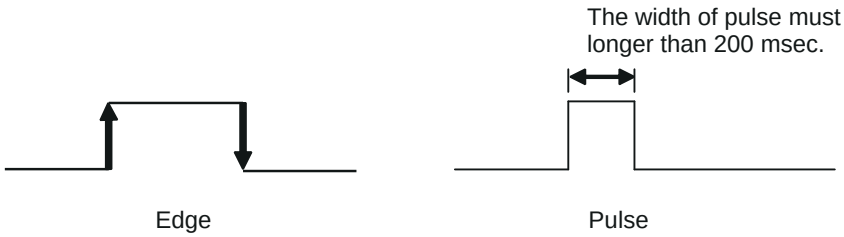
4-5 UNIT
MULTI-SPLIT TYPE

● 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.



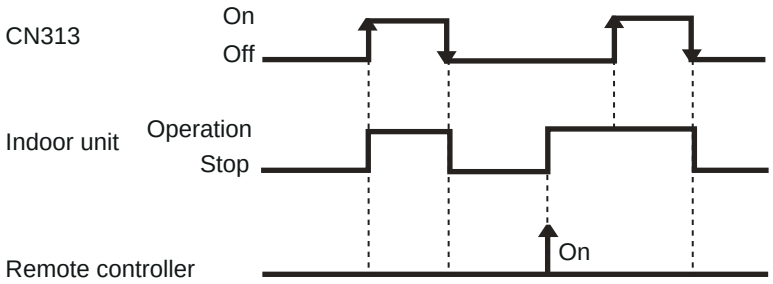
4-5 UNIT
MULTI-SPLIT TYPE

■ Details of function

● Control input function

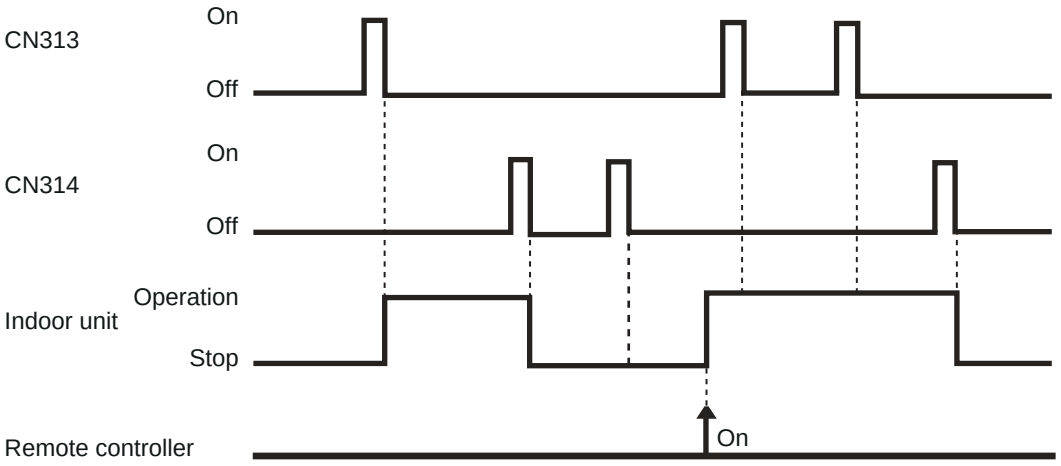
- **When function setting is "Operation/Stop" mode 1**
  - In the case of "Edge" input:

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



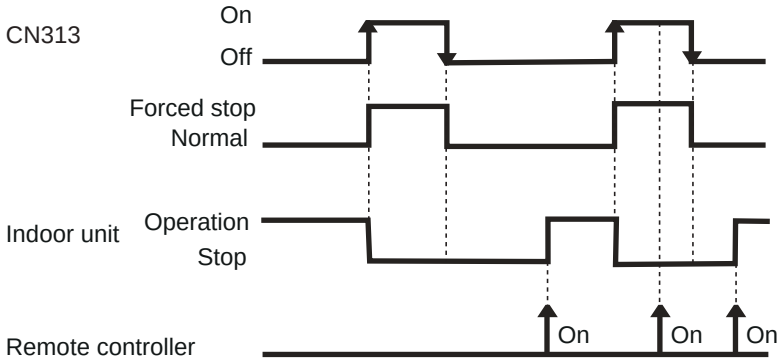
NOTES:

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

4-5 UNIT MULTI-SPLIT TYPE

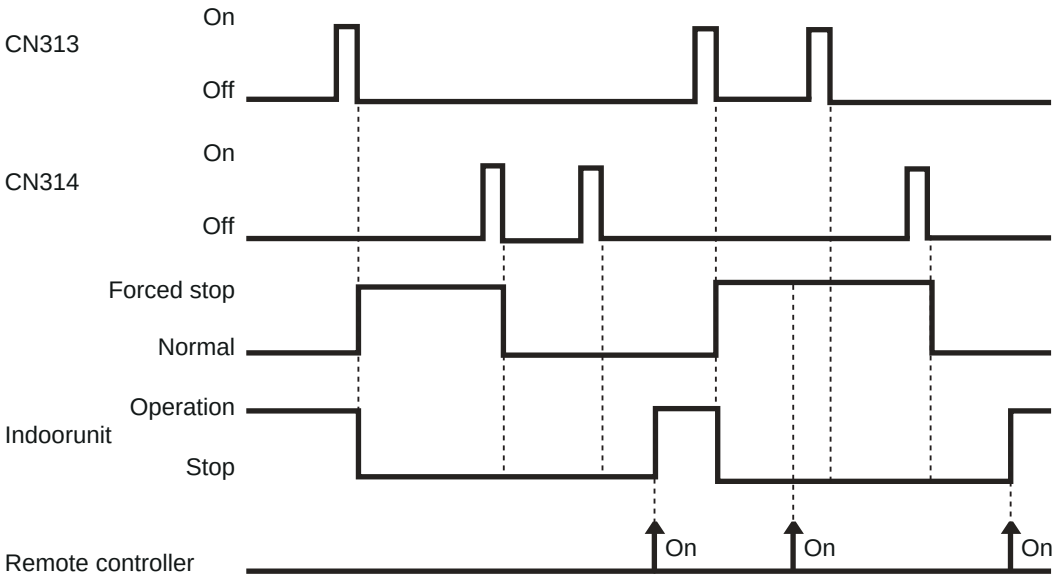
- **When function setting is "Forced stop" mode**
  - In the case of "Edge" input:

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



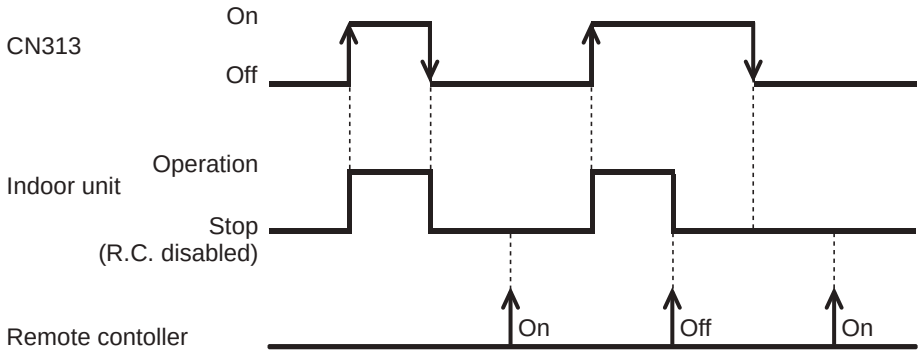
NOTES:

- 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.

4-5 UNIT MULTI-SPLIT TYPE

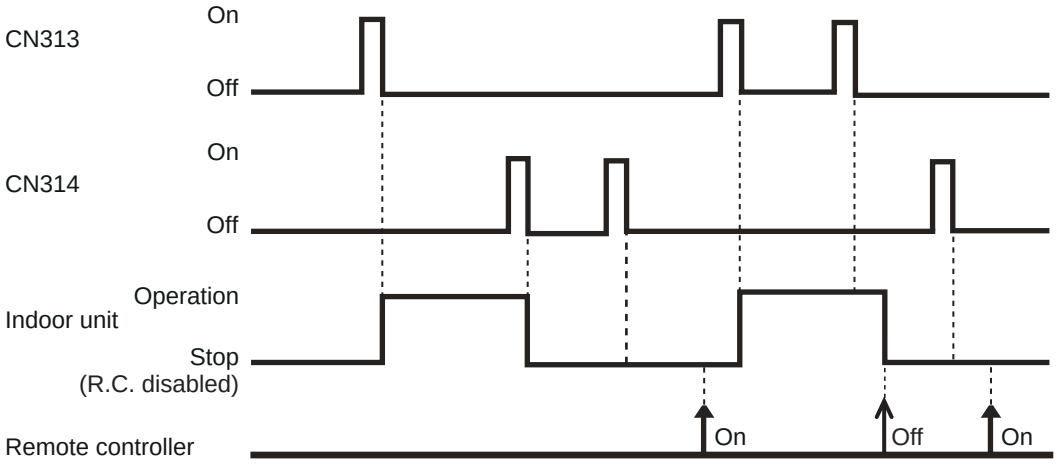
- **When function setting is "Operation/Stop" mode 2**
  - In the case of "Edge" input:

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)

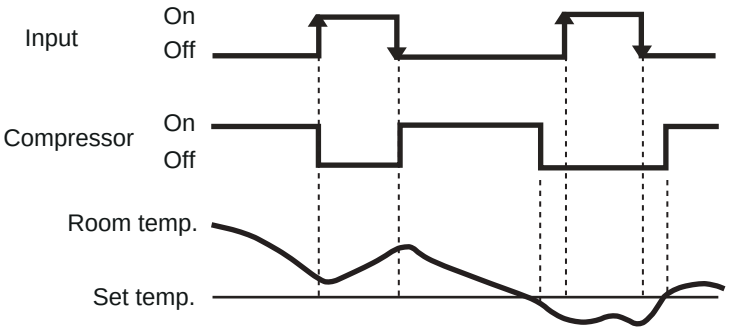


NOTE: When "Operation/Stop" mode 2 function is used with forming a remote controller group, connect the same equipment to each indoor unit within the group.

4-5 UNIT
MULTI-SPLIT TYPE

- **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



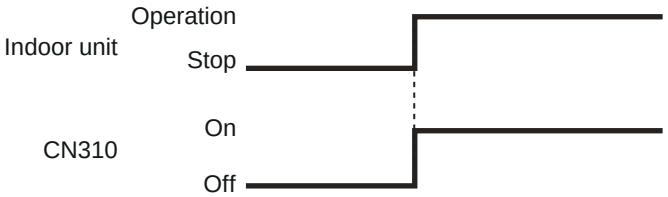
4-5 UNIT
MULTI-SPLIT TYPE

● Control output function

- **Operation/Stop status**

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

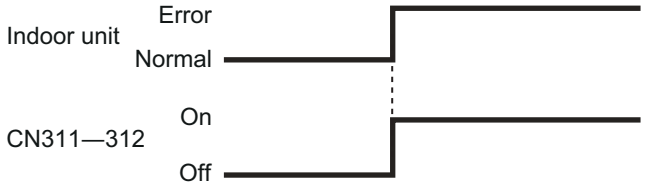
The output is low when the unit is stopped.



- **Error status**

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

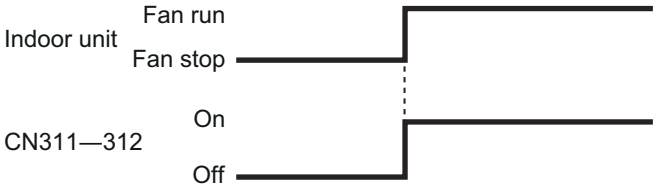
The output is ON when an error is generated for the indoor unit.



- **Indoor unit fan operation status**

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

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



4-5 UNIT
MULTI-SPLIT TYPE

11-3. Wall mounted type (07-14KMTB and KMCC)

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)

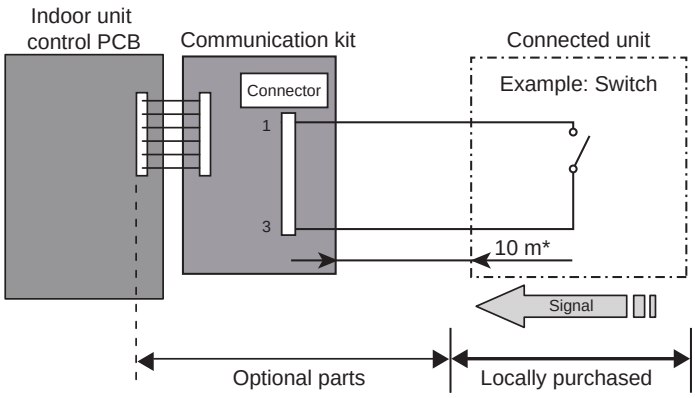
The air conditioner can be remotely operated by means of the following on-site work.

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

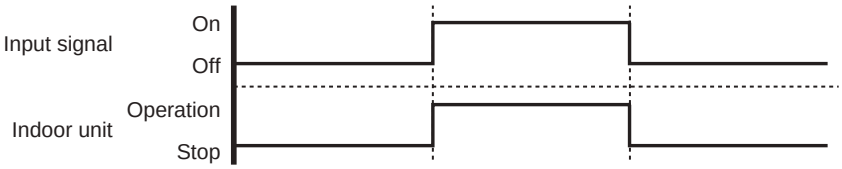
4-5 UNIT MULTI-SPLIT TYPE

- **Circuit diagram example**

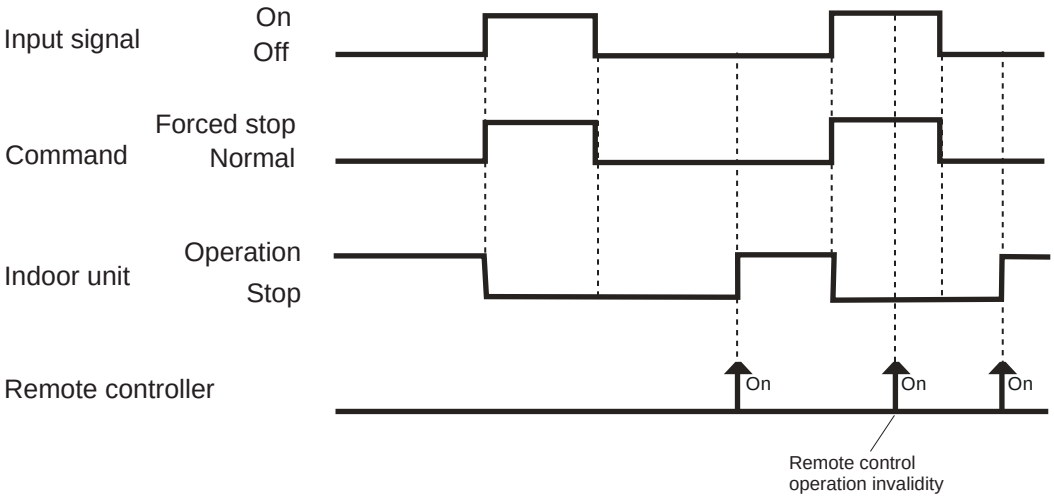


- Contact capacity: DC 24 V or more, 10 mA or more.
- *: Make the distance from the PCB to the connected unit within 10 m.
- Use non-polar relays and switches.

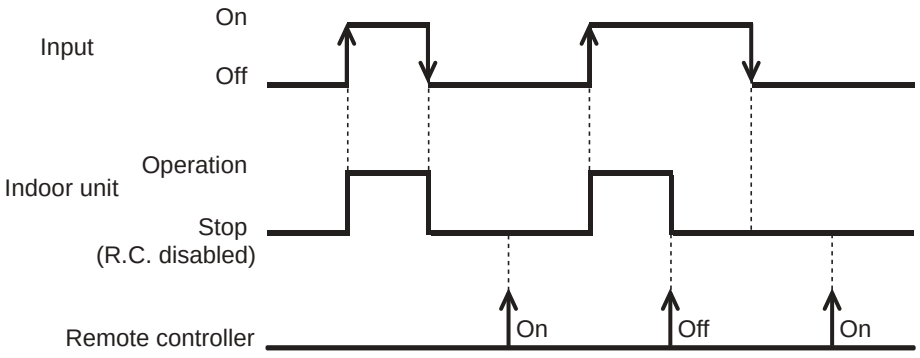
– When function setting is “Operation/Stop” mode



– When function setting is “Forced stop” mode



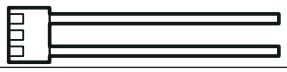
– When function setting is "Operation/Stop" mode 2



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

4-5 UNIT
MULTI-SPLIT TYPE

- **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).

4-5 UNIT
MULTI-SPLIT TYPE

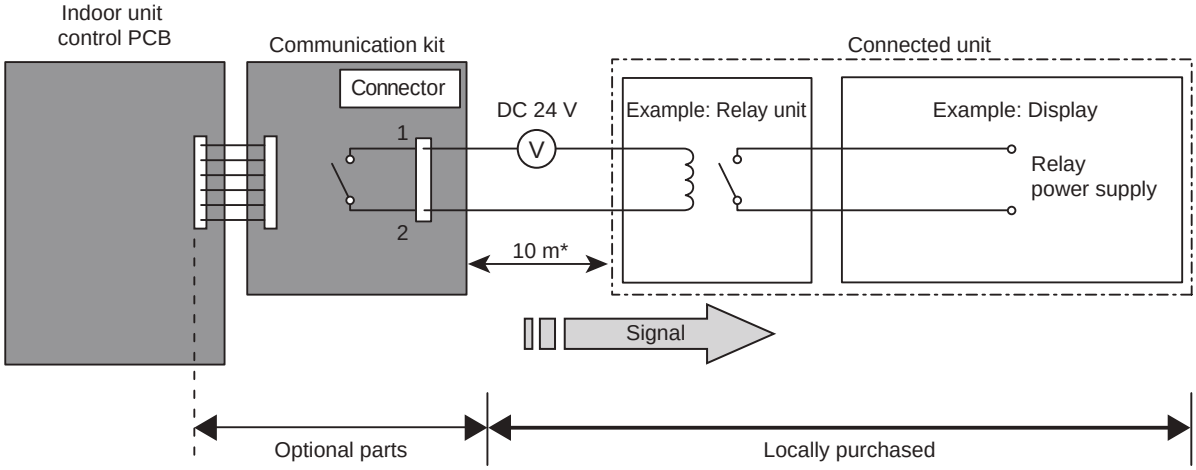
■ External output

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.

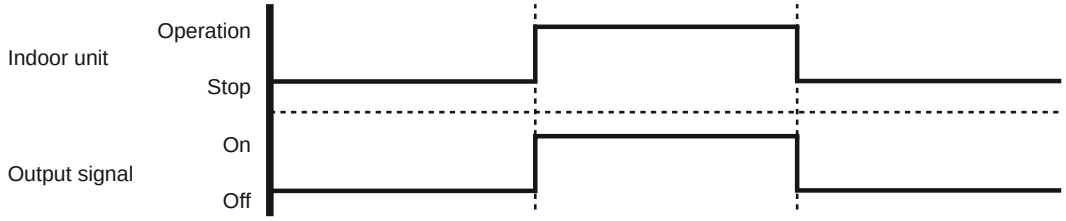
● Operation status output

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	

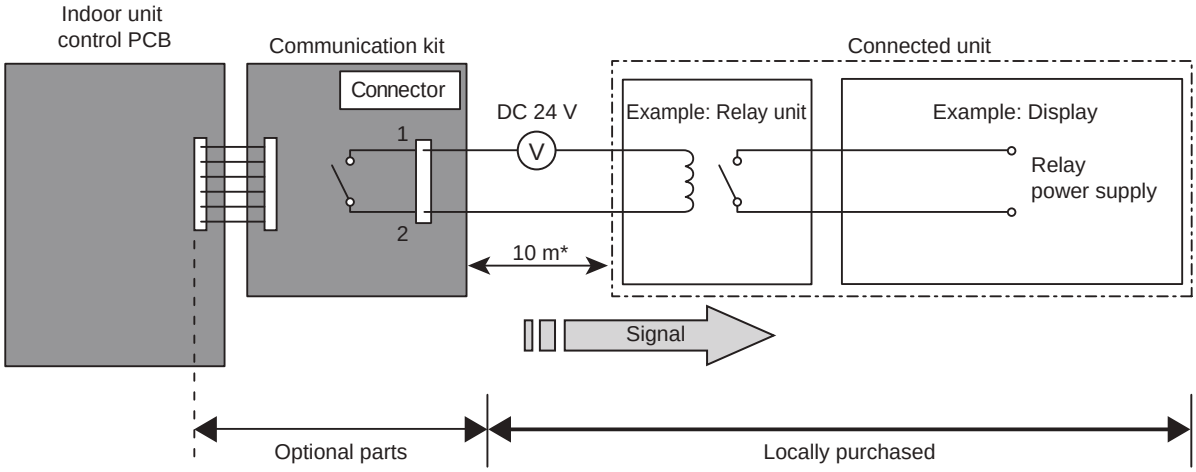
* For operating the external function, the wall mounted type requires the communication kit in addition to the wire (UTY-XWZXZ5).

4-5 UNIT
MULTI-SPLIT TYPE

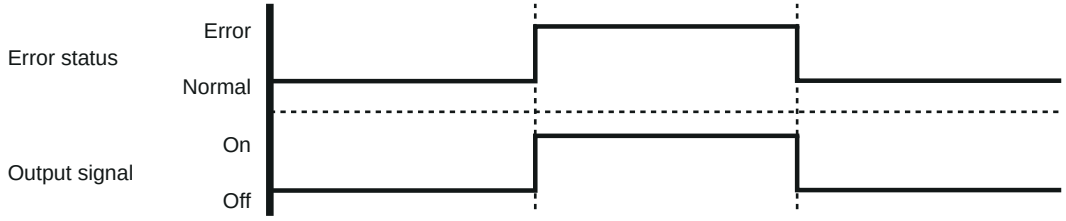
● Error status output

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).

11-4. Ceiling type

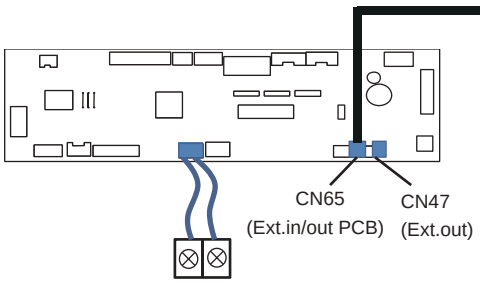


Fig. Indoor unit PCB

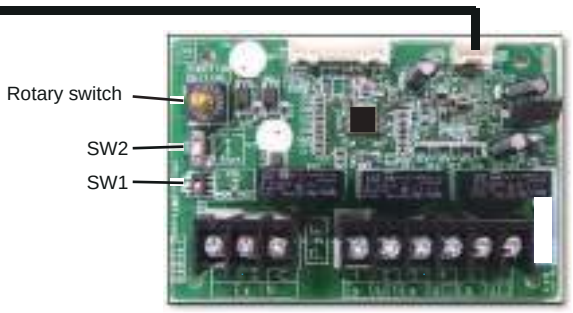


Fig. External input and output PCB

PCB	External input	External output	Connector	Input select	Input signal	External connect kit (Optional parts)
Indoor unit	Operation/Stop Forced stop	—	Terminal	Dry contact	Edge	—
	—	Operation status	CN47	—	—	UTY-XWZXZG
		Error status				
		Indoor unit fan operation status				
		External heater output				
External input and output (UTY-XCSX)	Operation/Stop	—	Input 1/ Input 2	Dry contact/ Apply voltage	Edge/ Pulse	—
	Forced thermostat off		Input 1		Edge	
	—	Operation status	Output 1 Output 2 Output 3	—	—	—
		Error status				
		Indoor unit status				
		External heater output				

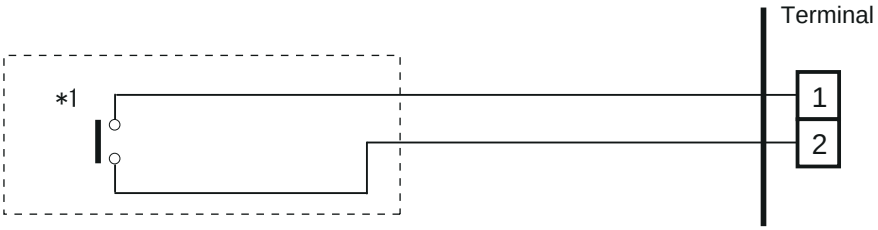
■ External input

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 terminals.



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

4-5 UNIT
MULTI-SPLIT TYPE

● External input and output PCB

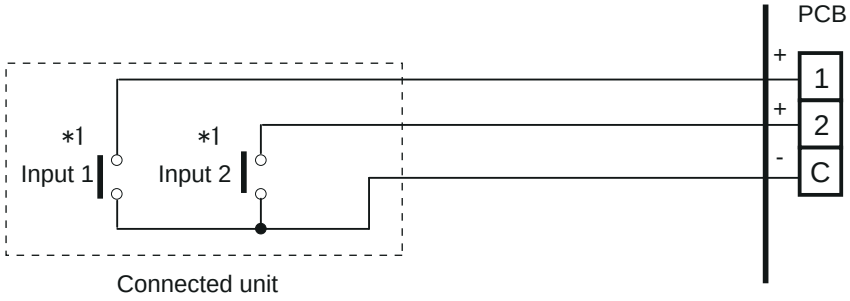
The indoor unit Operation/Stop can be set by using the input terminal on the PCB.

● Input select

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

- Dry contact

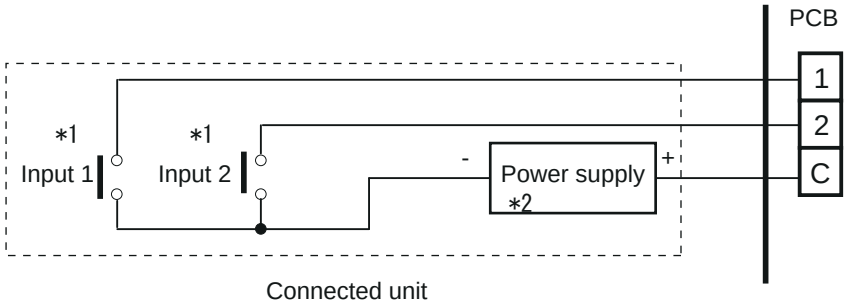
In case of internal power supply, set the slide switch of SW1 to "NON VOL" side.



*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 SW1 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 V to 24 V 10 mA or more.

4-5 UNIT MULTI-SPLIT TYPE

■ External output

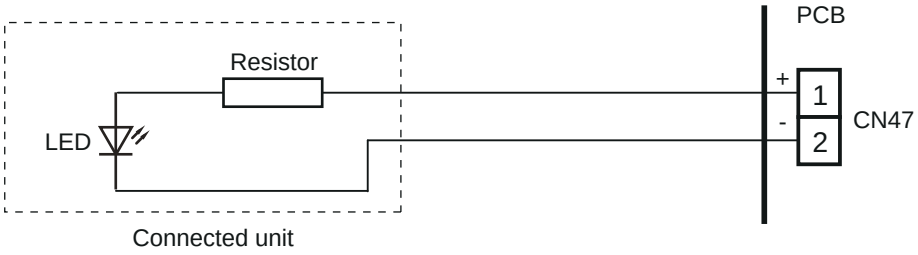
Use an external output cable with appropriate external dimension, depending on the number of cables to be installed.

● 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 174.

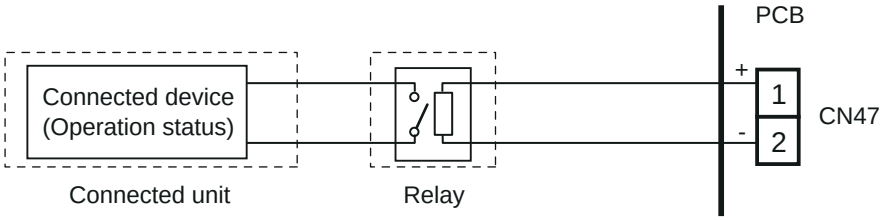
● When indicator, etc. are connected directly

Example: Function setting 60 is set to "00"



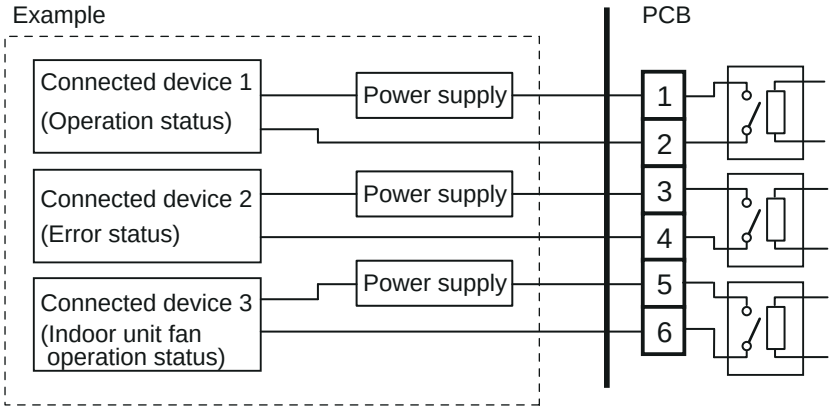
● When connecting with a device equipped with a power supply

Example: Function setting 60 is set to "00"



● External input and output PCB

- A twisted pair cable (22AWG) should be used.
- Permissible voltage and current: DC 5 V to 30 V / 3 A, AC 30 V to 250 V / 3 A
- For details, refer to Chapter 11-4-3. "Combination of external input and output" on page 174.



4-5 UNIT MULTI-SPLIT TYPE

■ 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			
			Indoor unit Input	External input and output PCB		
			Terminal	Input 1	Input 2	Signal type
0-1	60-00	1	Operation/Stop	Operation/Stop	Not available	Edge
				Operation	Stop	Pulse
0-2	60-00	2	Operation/Stop	Forced Thermostat OFF	Not available	Edge
1—8	60-01 to 60-08	3 - 9, A	(Setting prohibited)			
9	60-09	B	Operation/Stop	Forced Thermostat OFF	Not available	Edge
10	60-10	C	Operation/Stop	Forced Thermostat OFF	Not available	Edge
11	60-11	D	Operation/Stop	Forced Thermostat OFF	Not available	Edge

Mode	Function setting	External input and output PCB (Rotary SW)	External output			
			Indoor unit Output	External input and output PCB		
			CN47	Output 1	Output 2	Output 3
0-1	60-00	1	Operation/Stop	Operation/Stop	Error status	Indoor unit fan operation status
0-2	60-00	2	Operation/Stop	Error status	Indoor unit fan operation status	External heater output
1—8	60-01 to 60-08	3 - 9, A	(Setting prohibited)			
9	60-09	B	Error status	Operation/Stop	Indoor unit fan operation status	External heater output
10	60-10	C	Indoor unit fan operation status	Operation/Stop	Error status	External heater output
11	60-11	D	External heater output	Operation/Stop	Indoor unit fan operation status	Error status

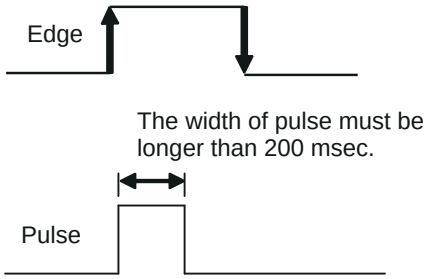
NOTE: Input of Operation/Stop depends on the setting of function setting 46.
00: Operation/Stop mode 1 (R.C. enabled)
01: (Setting prohibited)
02: Forced stop
03: Operation/Stop mode 2 (R.C. disabled)

4-5 UNIT
MULTI-SPLIT TYPE

● Input signal type

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

- External input and output PCB
  The input signal type can be selected.
  Signal type (edge or pulse) can be switched by the DIP switch 2 (SW2) on the External input and output PCB.



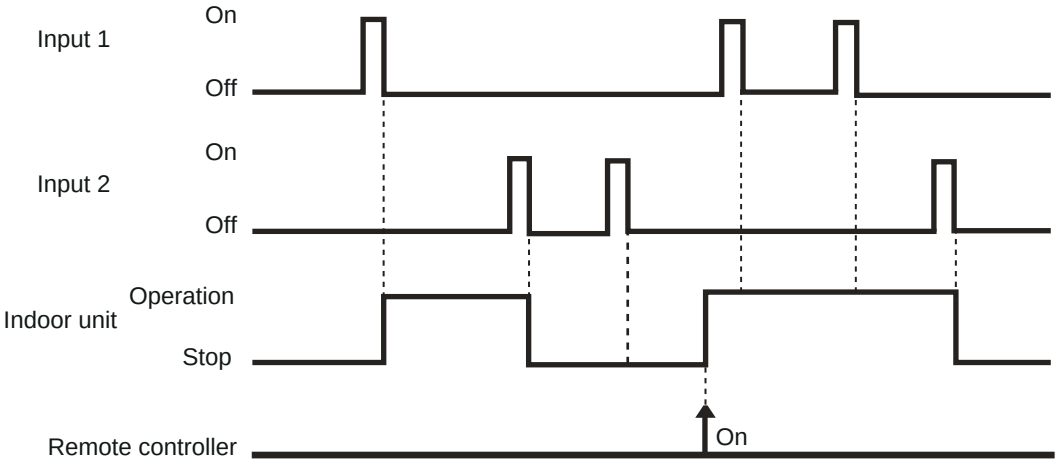
4-5 UNIT
MULTI-SPLIT TYPE

■ Details of function

● Control input function

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

Function setting /	Rotary SW of External input and output PCB	External input		Input signal	Command
46-00	60-00 / 1	External input and output PCB	Input 1	Pulse	Operation
			Input 2	Pulse	Stop



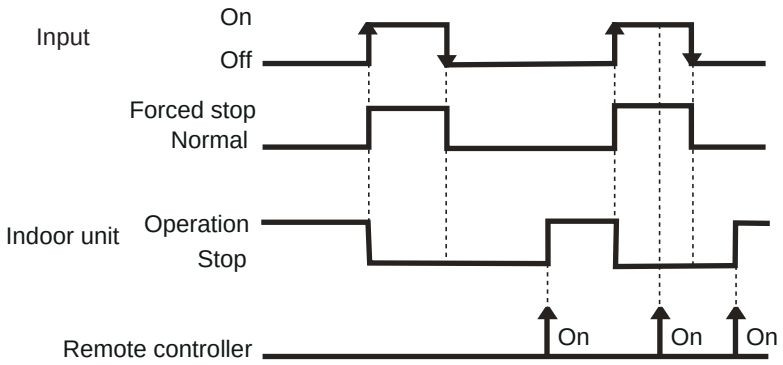
NOTES:

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

4-5 UNIT MULTI-SPLIT TYPE

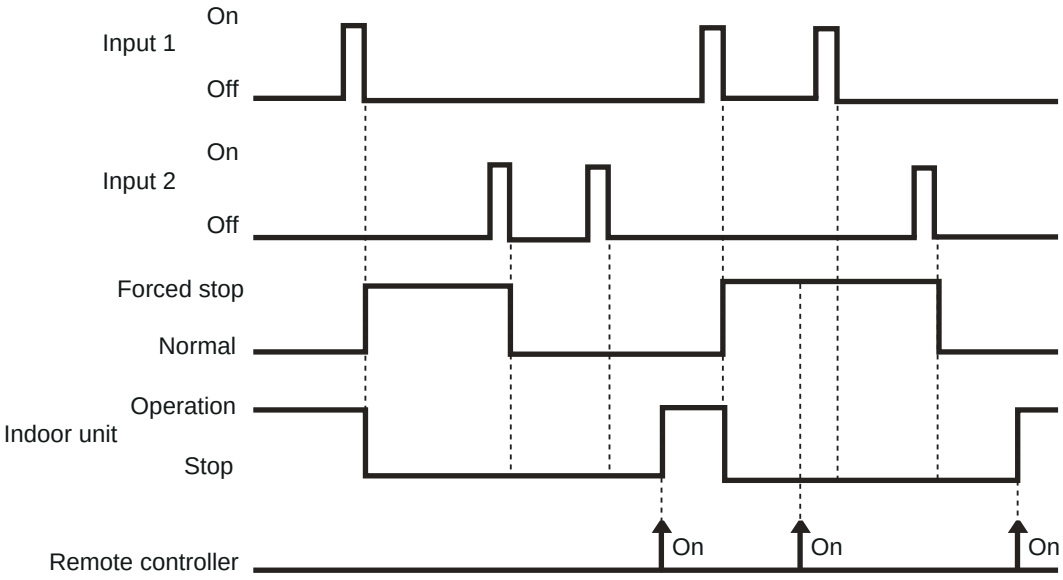
- **When function setting is "Forced stop" mode**
  - **In the case of "Edge" input**

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



  - **In the case of "Pulse" input**

Function setting /	Rotary SW of External input and output PCB	External input		Input signal	Command
46-02	60-00 / 1	External input and output PCB	Input 1	Pulse	Forced stop
			Input 2	Pulse	Normal



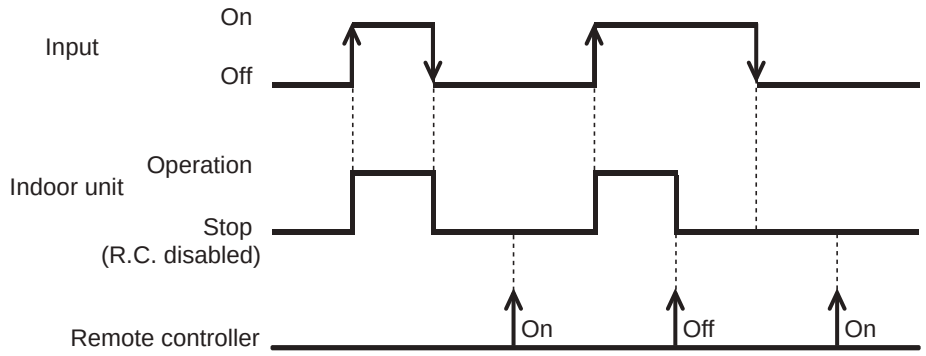
NOTES:

- 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.

4-5 UNIT MULTI-SPLIT TYPE

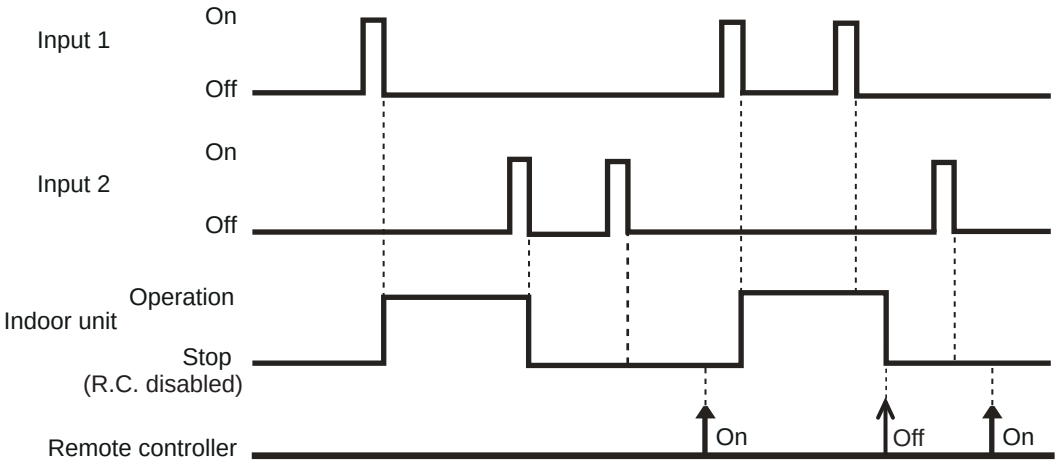
- **When function setting is "Operation/Stop" mode 2**
  - **In the case of "Edge" input**

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



  - **In the case of "Pulse" input**

Function setting /	Rotary SW of External input and output PCB	External input		Input signal	Command
46-03	60-00 / 1	External input and output PCB	Input 1	Pulse	Operation
			Input 2	Pulse	Stop (R.C. disabled)



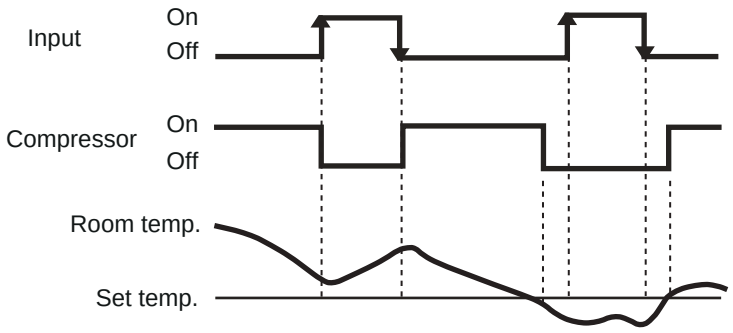
NOTES:

- 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.

4-5 UNIT MULTI-SPLIT TYPE

● Forced thermostat off function

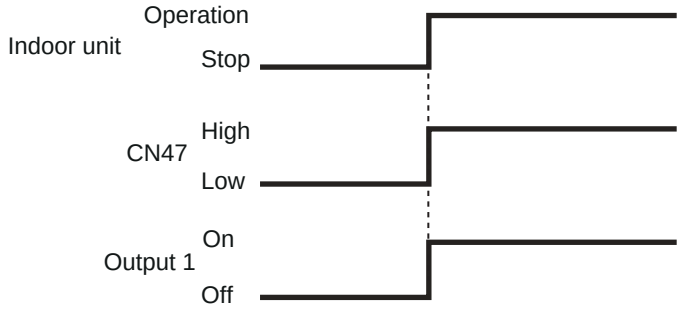
Function setting / Rotary SW of External input and output PCB	External input		Input signal	Command
60-00 / 2 60-09 / B 60-10 / C 60-11 / D	External input and output PCB	Input 1	Off → On	Thermostat off
			On → Off	Normal operation



● Control output function

Function setting / Rotary SW of External input and output PCB	External output		Output signal	Command
60-00 / 1, 2	Output of indoor unit	CN47	Low → High	Operation
			High → Low	Stop
60-00 / 1 60-09 / B 60-10 / C 60-11 / D	External input and output PCB	Output 1	Off → On	Operation
			On → Off	Stop

The output is low when the unit is stopped.

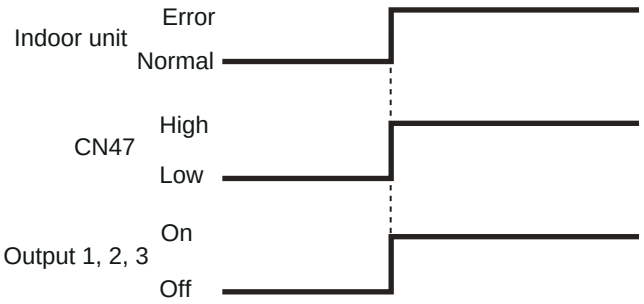


4-5 UNIT MULTI-SPLIT TYPE

● Error status

Function setting / Rotary SW of External input and output PCB	External output		Output signal	Command
60-09 / B	Output of indoor unit	CN47	Low → High	Error
			High → Low	Normal
60-00 / 2	External input and output PCB	Output 1	Off → On	Error
			On → Off	Normal
60-00 / 1 60-10 / C		Output 2	Off → On	Error
			On → Off	Normal
60-11 / D		Output 3	Off → On	Error
			On → Off	Normal

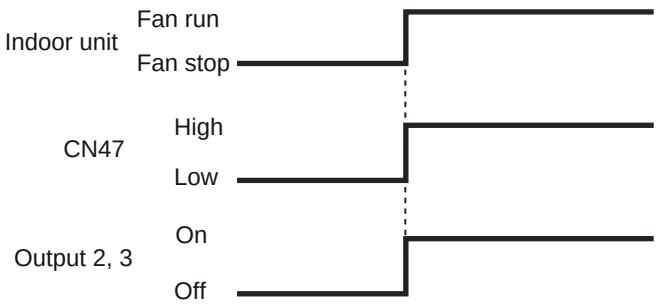
The output is ON when an error is generated for the indoor unit.



● Indoor unit fan operation status

Function setting / Rotary SW of External input and output PCB	External output		Output signal	Command
60-10 / C	Output of indoor unit	CN47	Low → High	Fan run
			High → Low	Fan stop
60-00 / 2 60-09 / B 60-11 / D	External input and output PCB	Output 2	Off → On	Fan run
			On → Off	Fan stop
60-00 / 1		Output 3	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.



4-5 UNIT MULTI-SPLIT TYPE

● External heater output

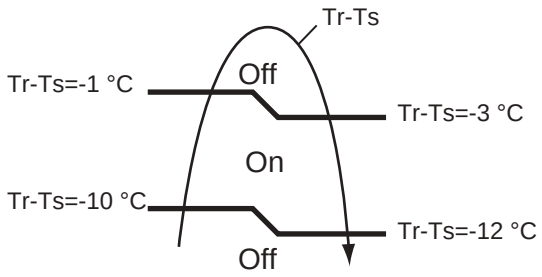
Function setting /	Rotary SW of External input and output PCB	External output		Output signal	Command
60-11 / D		Output of indoor unit	CN47	Low → High	Heater on
				High → Low	Heater off
60-00 / 2 60-09 / B 60-10 / C		External input and output PCB	Output 3	Off → On	Heater on
				On → Off	Heater off

Output signal	Condition
Low → High Off → On	Heater turns on as shown in diagram of heating temperature
High → Low On → Off	Heater turns off as shown in diagram of heating temperature • Other than Heating mode • Error occurred • 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;

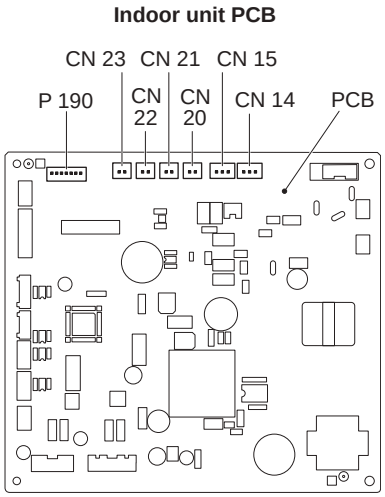
- And room temperature (Tr) increase above 12 °C, signal output is on.
- And Tr increase above 21 °C, signal output is off.
- And Tr decrease below 19 °C, signal output is on.
- And Tr decrease below 10 °C, signal output is off.



The output also turns off in defrost operation.

4-5 UNIT MULTI-SPLIT TYPE

11-5. Floor type



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		

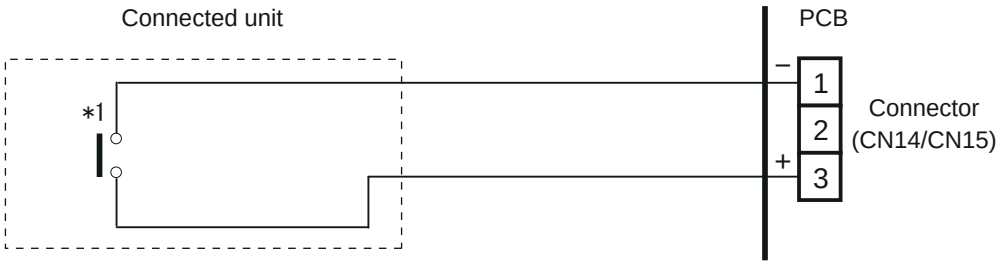
■ External input

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.

4-5 UNIT
MULTI-SPLIT TYPE

■ External output

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

● Indoor unit

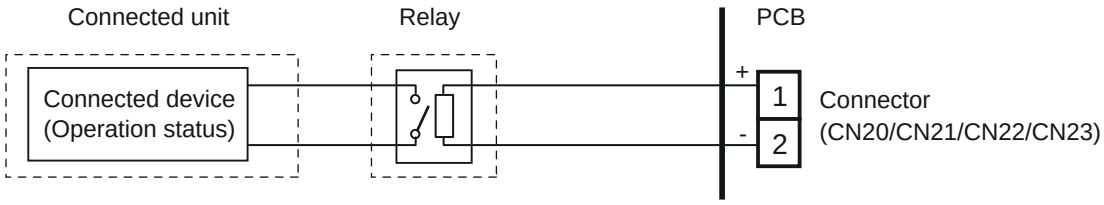
- A twisted pair cable (22AWG) should be used. Maximum length of cable is 25 m .
- Output voltage: High DC 12 V ±2 V,Low 0 V.
- Permissible current: 50 mA
- For details, refer to Chapter 11-5-3. "Combination of external input and output" on page 184.

● 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"



4-5 UNIT MULTI-SPLIT TYPE

■ 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".

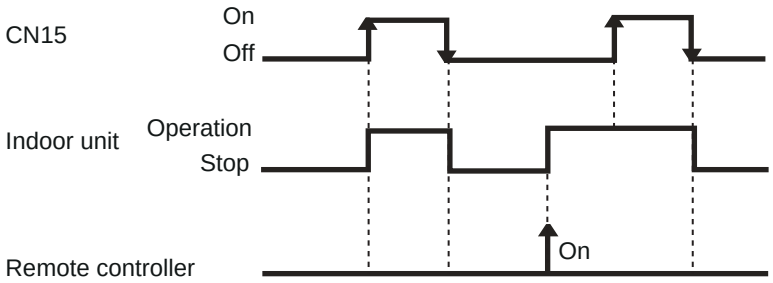
4-5 UNIT
MULTI-SPLIT TYPE

■ Details of function

● Control input function

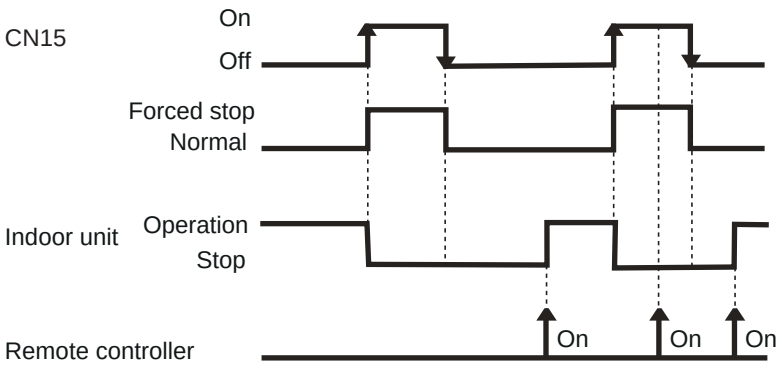
- **When function setting is "Operation/Stop" mode 1**
  - **In the case of "Edge" input**

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**

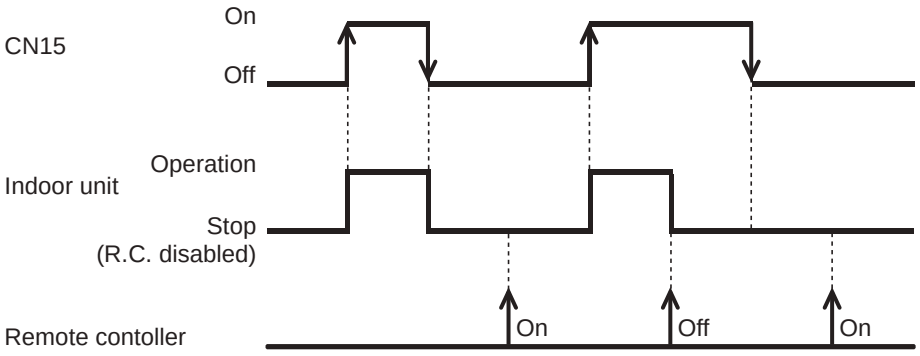
Mode	Function setting		External input		Input signal	Command
0	46-02	—	Input of indoor unit	CN14	Off → On	Forced stop
					On → Off	Normal
		60-00		CN15	Off → On	Forced stop
					On → Off	Normal



4-5 UNIT
MULTI-SPLIT TYPE

- **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)



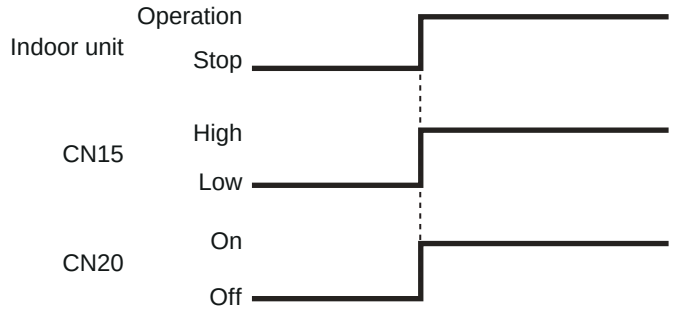
4-5 UNIT MULTI-SPLIT TYPE

● 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

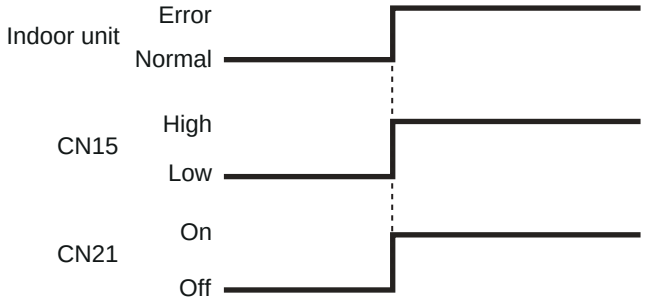
The output is low when the unit is stopped.



- **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.

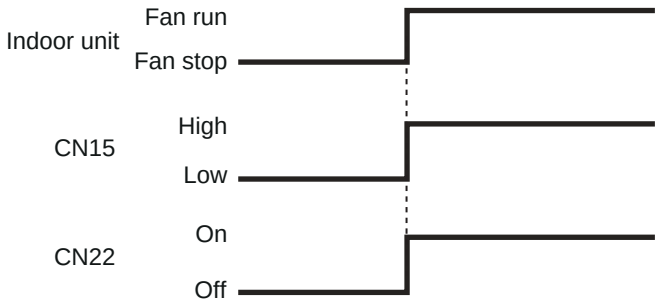


4-5 UNIT MULTI-SPLIT TYPE

- **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**

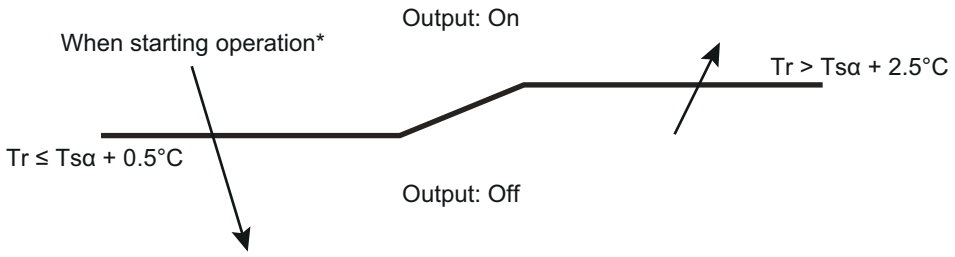
NOTE: This function is valid only when function setting 96 is set to “01” (Primary unit) or “02” (Secondary unit).

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.

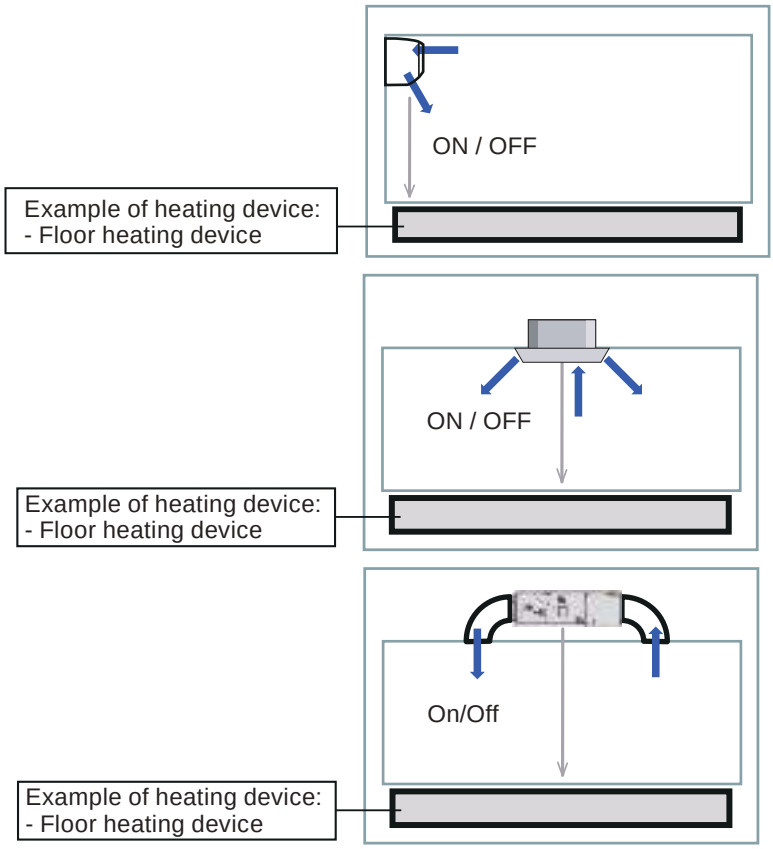


*: When starting operation or resetting, judges the zone to descending direction.

4-5 UNIT
MULTI-SPLIT TYPE

● External heater output

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



⚠ WARNING

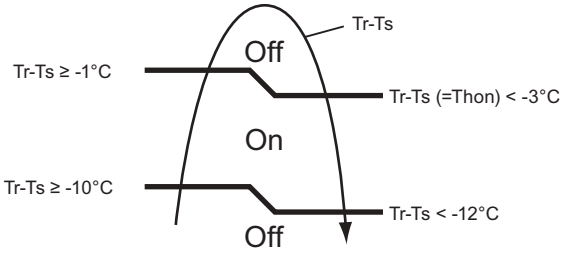
- Design and install external heater appropriately with considering its protection.
- Inappropriate designing and installation of external heater may cause a fire by emitted heat from the external heater.
- Fujitsu General Ltd. is not responsible for inappropriate designing or installation of external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

4-5 UNIT MULTI-SPLIT TYPE

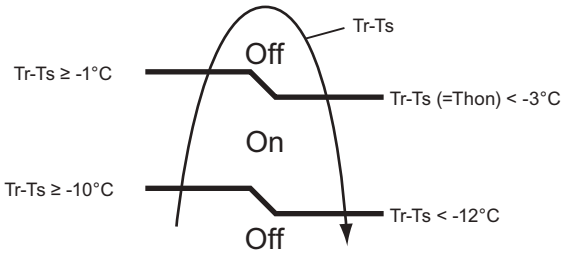
- **Auxiliary heater control 1**

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

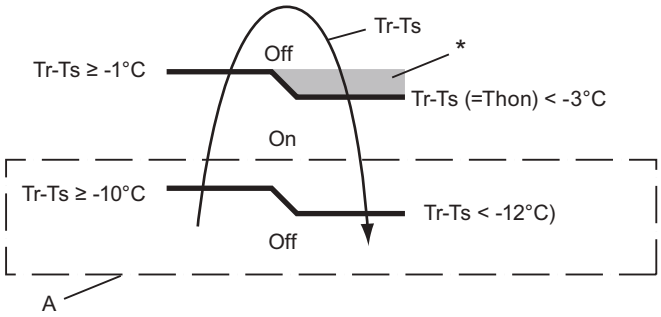
– Temperature of heater on (Thon): Adjustable by function number 62 (Operating temperature switching of external heaters).
– All control temperatures will shift by adjusting “Thon”.



Tr: Room temperature
Ts: Set temperature
Thon: Heater on temperature



Tr: Room temperature
Ts: Set temperature
Thon: Heater on temperature



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.

4-5 UNIT
MULTI-SPLIT TYPE

12. Group connection

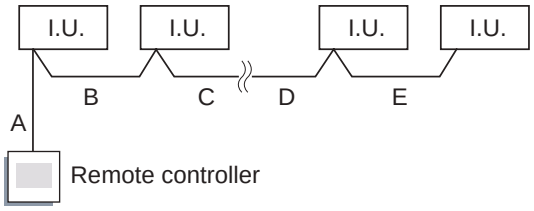
NOTE: Group control cannot be used together with Wireless LAN adapter.

Installation procedure for group control system:

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

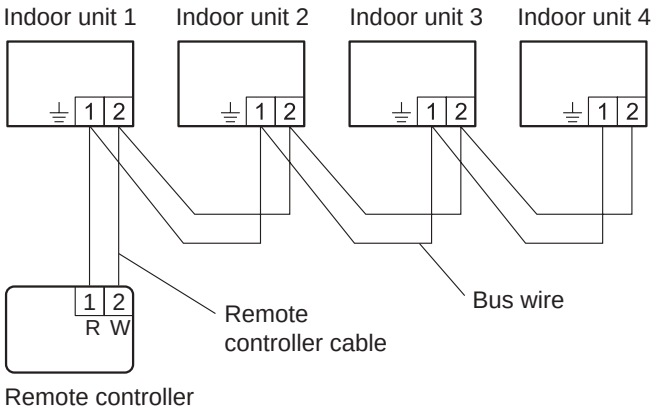
NOTE: When different type of indoor units (such as wall mounted type and cassette type, cassette type and duct type, or other combinations) are connected using group control system, some functions may no longer be available.

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

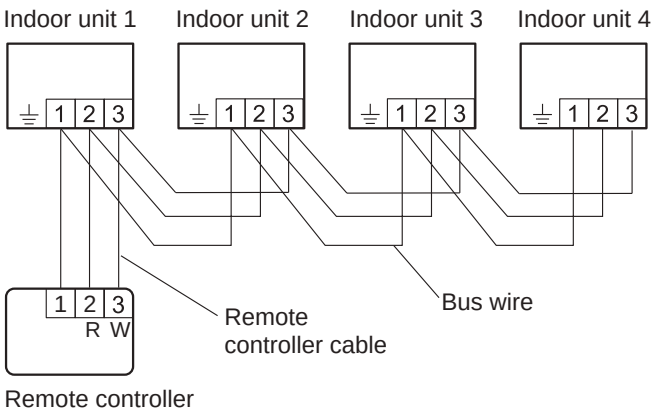


A, B, C, D, E: Remote controller cable	
Wiring length limitation	A + B + C + D + E ≤ 500 m

Example of wiring method



Example of wiring method



4-5 UNIT
MULTI-SPLIT TYPE

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 268.)

     NOTES:

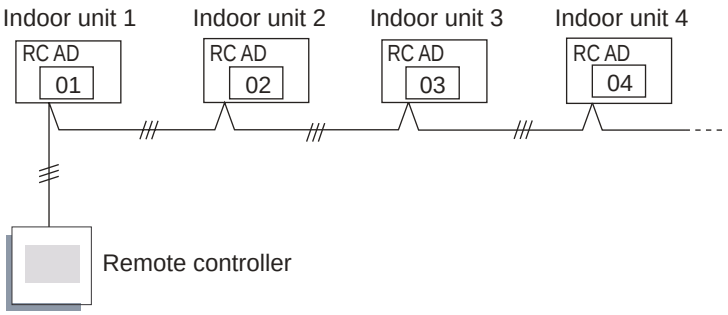
     – Do not use the same setting value.

     – Setting is reflected after the power is turned on again.

     Also set the R.C. address for the remote controller. For details, refer to the remote controller installation manual.

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

Example of wiring method

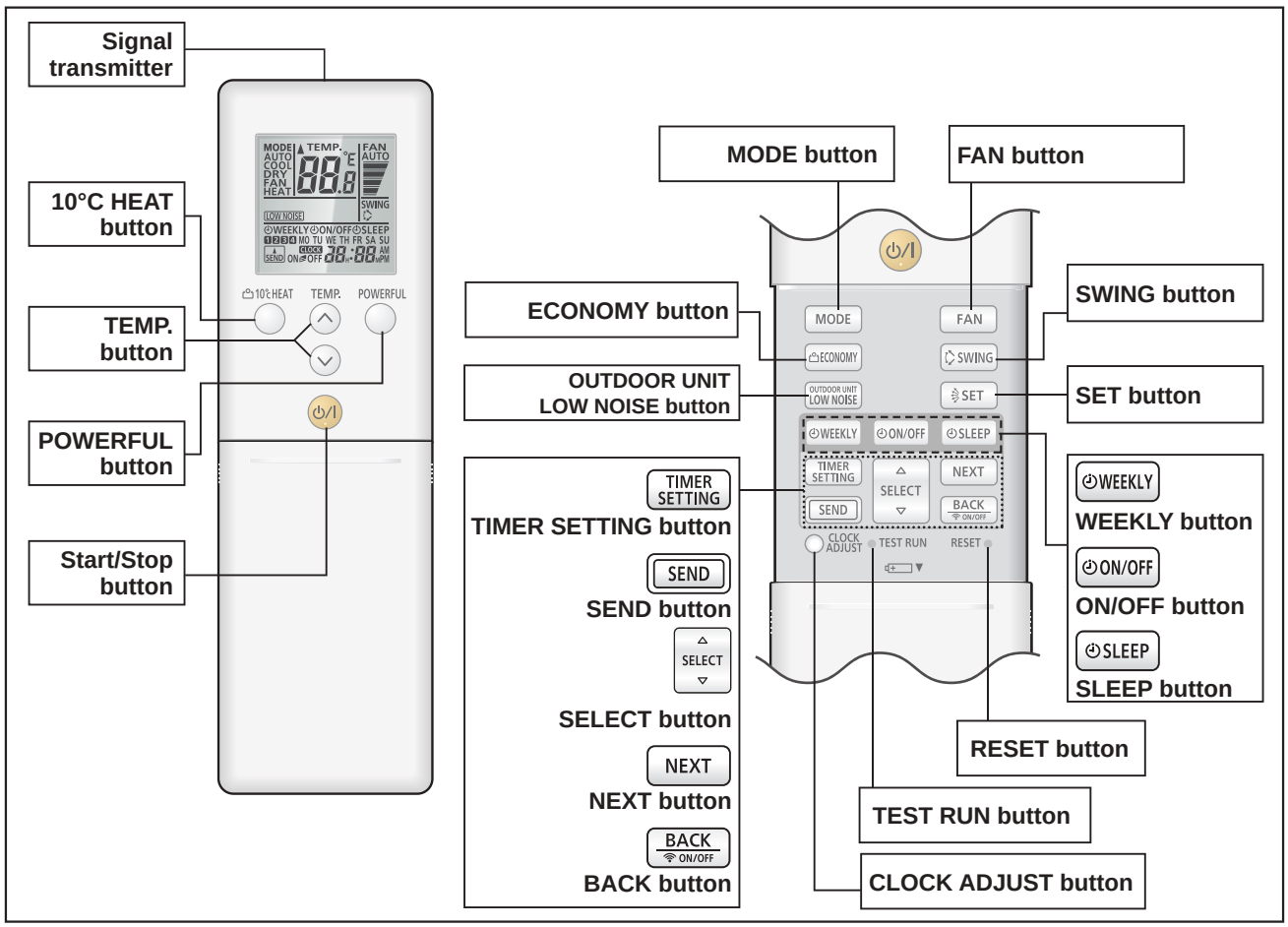


13. Remote controller

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

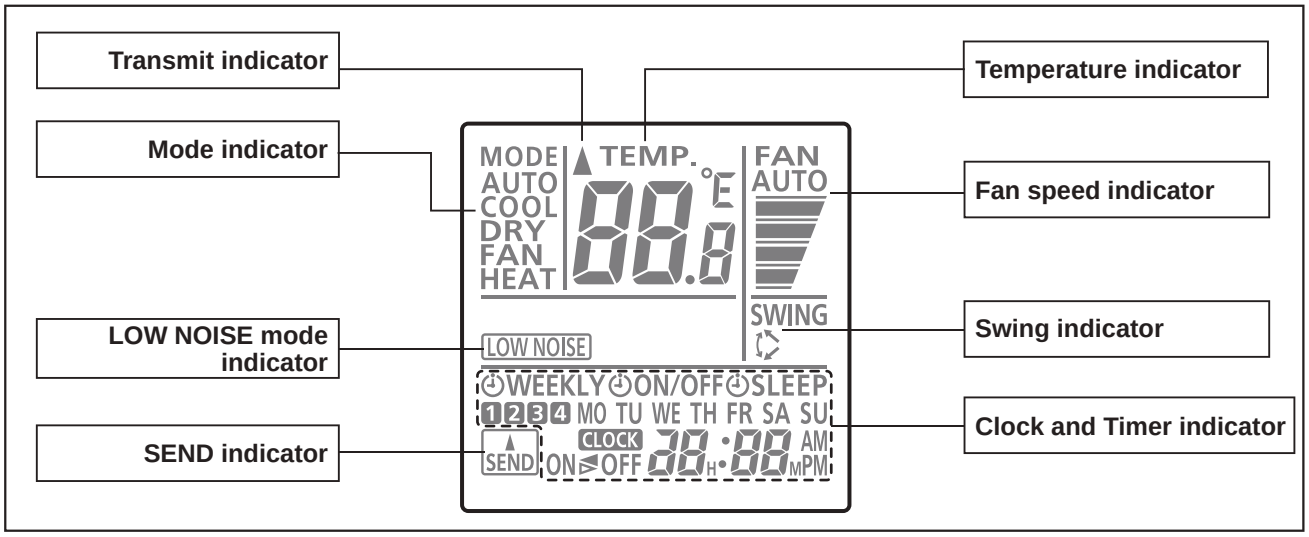
■ Overview

- **AR-REW4E**



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

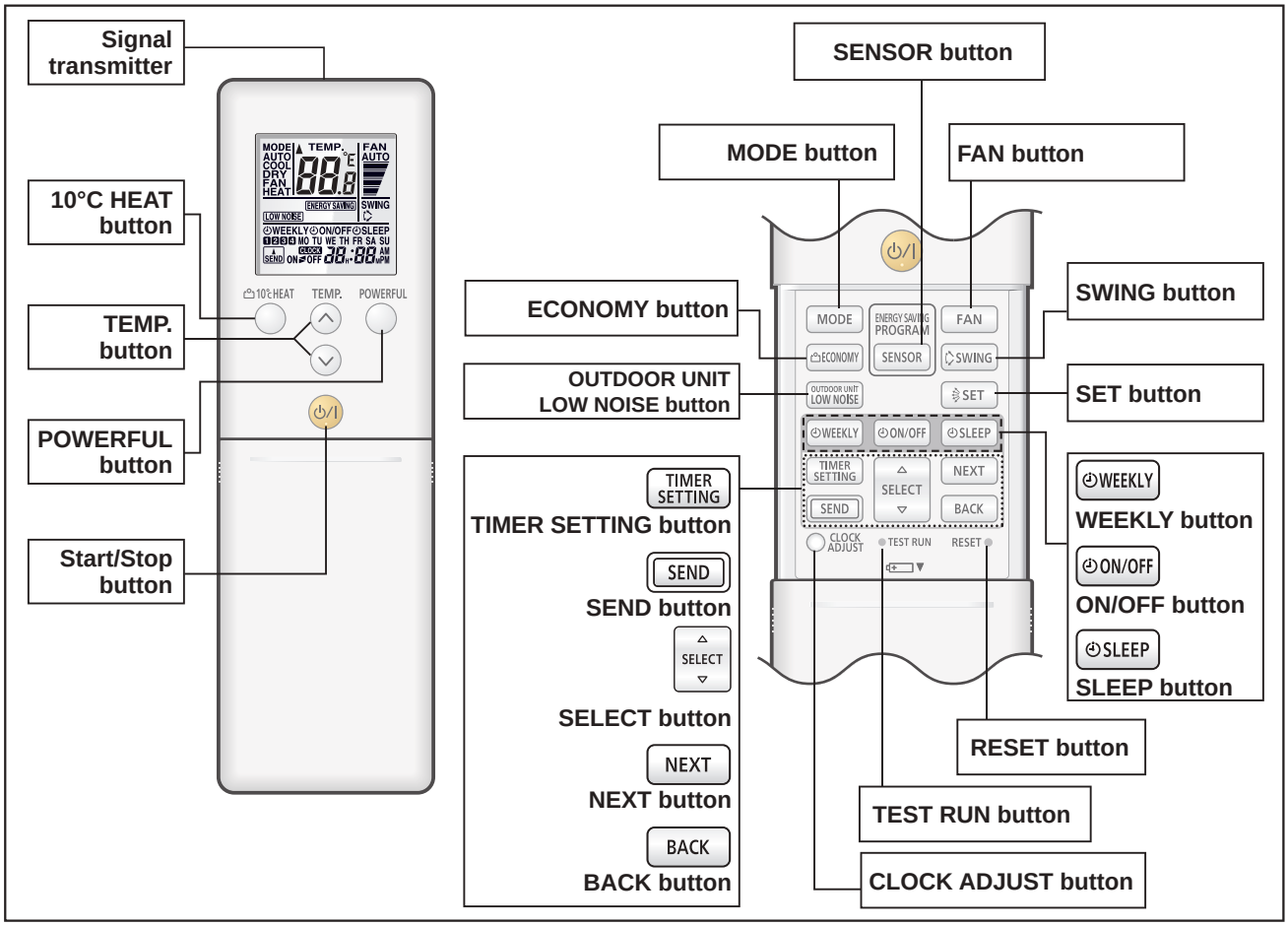
Display panel



4-5 UNIT MULTI-SPLIT TYPE

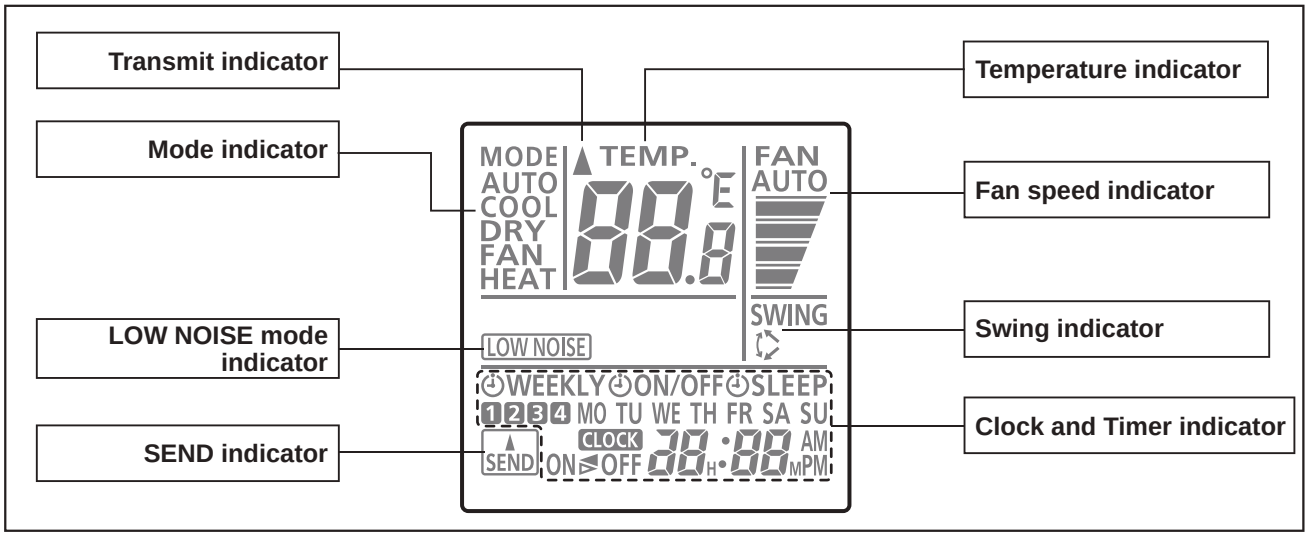
To facilitate explanation, the accompanying illustration has been drawn to show all possible indicators; in actual operation, however, the display will only show those indicators appropriate to the current operation.

- **AR-REM4E**



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

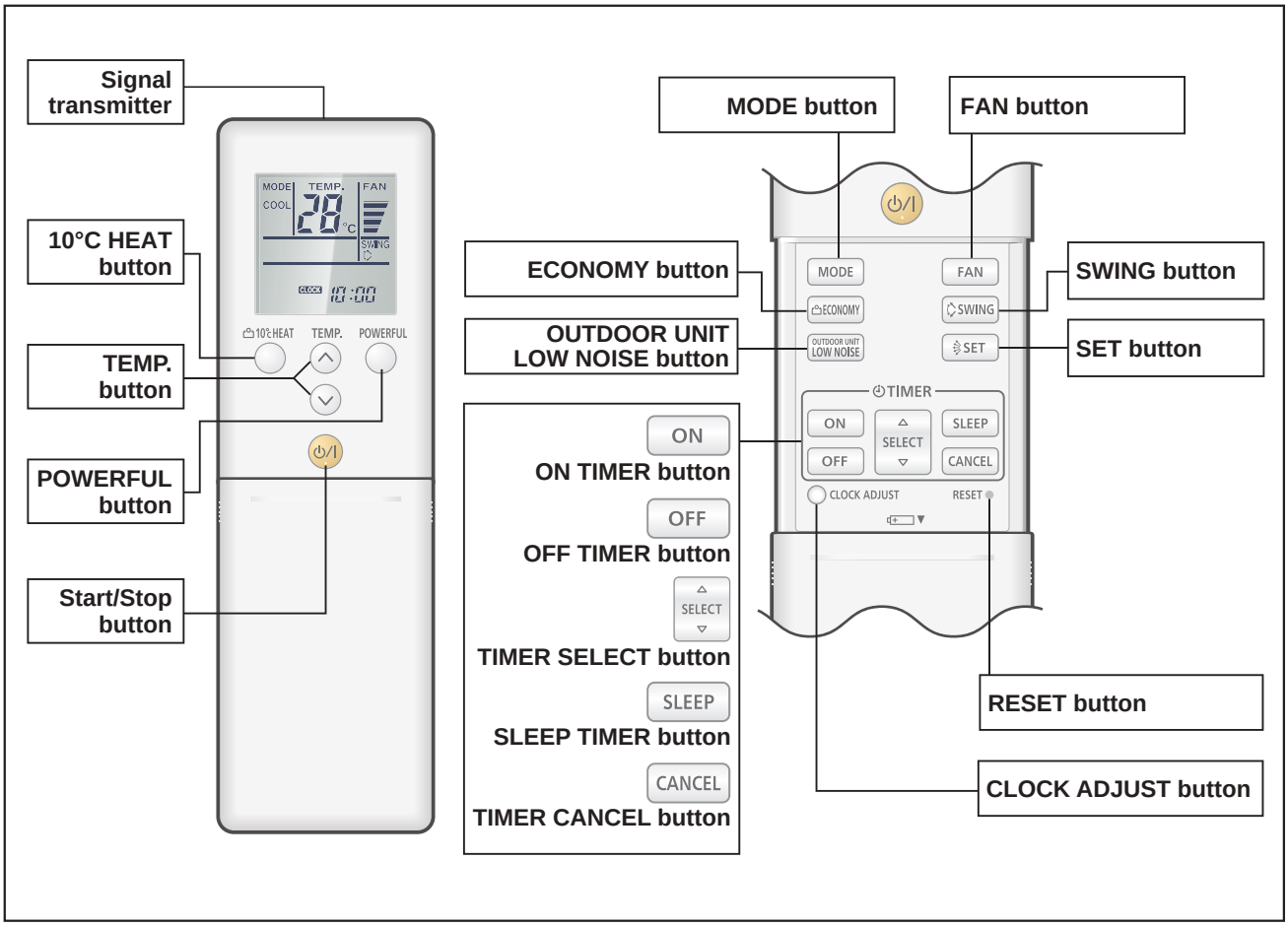
Display panel



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

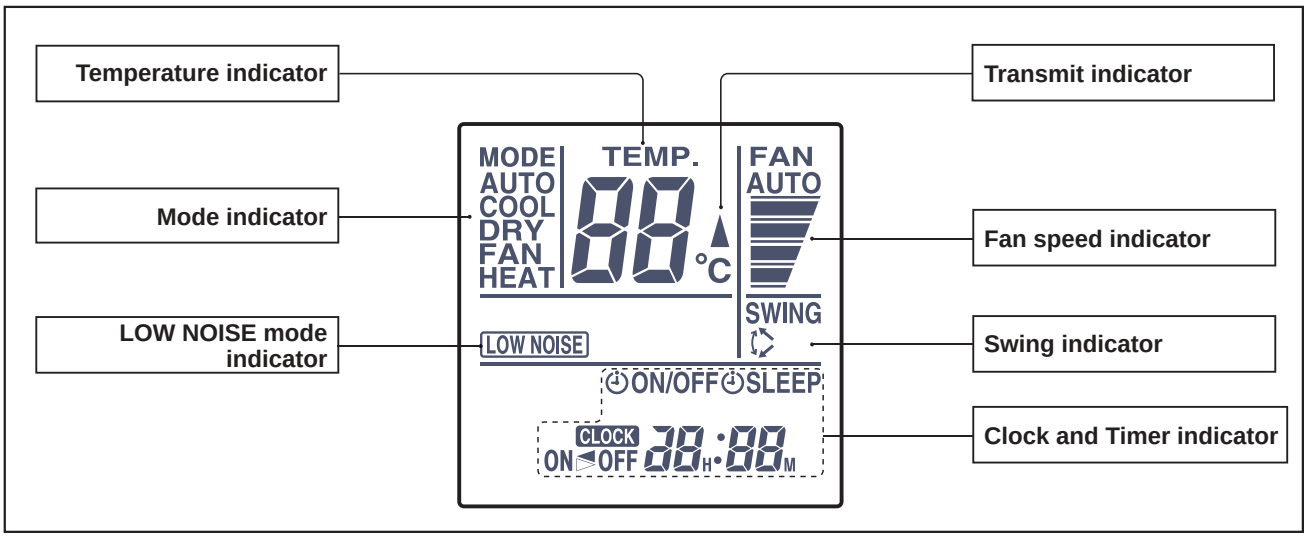
4-5 UNIT MULTI-SPLIT TYPE

- **AR-REB1E**



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

Display panel



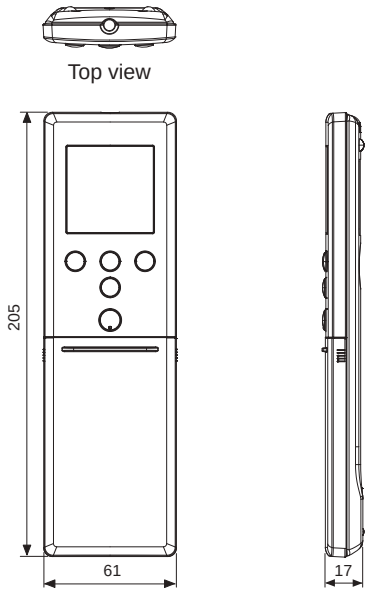
To facilitate explanation, the accompanying illustration has been drawn to show all possible indicators; in actual operation, however, the display will only show those indicators appropriate to the current operation.

4-5 UNIT
MULTI-SPLIT TYPE

■ Specifications

● Controller

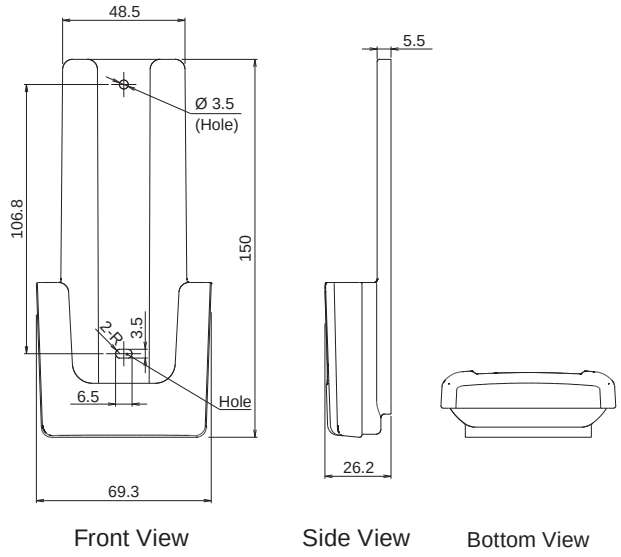
Unit: mm



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

● Holder

Unit: mm

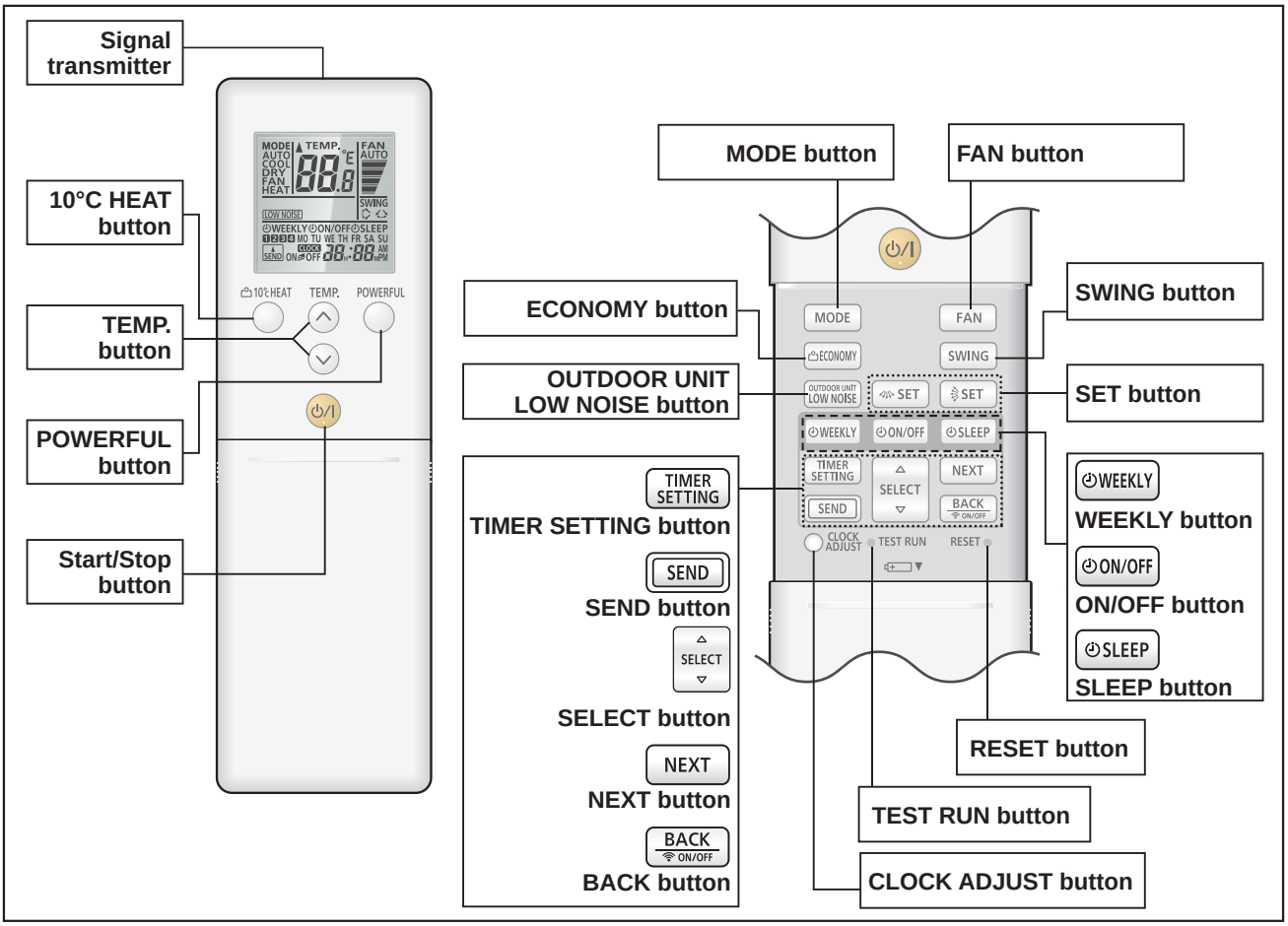


Size (H × W × D)	mm	150 × 69.3 × 26.2
Weight	g	27

4-5 UNIT MULTI-SPLIT TYPE

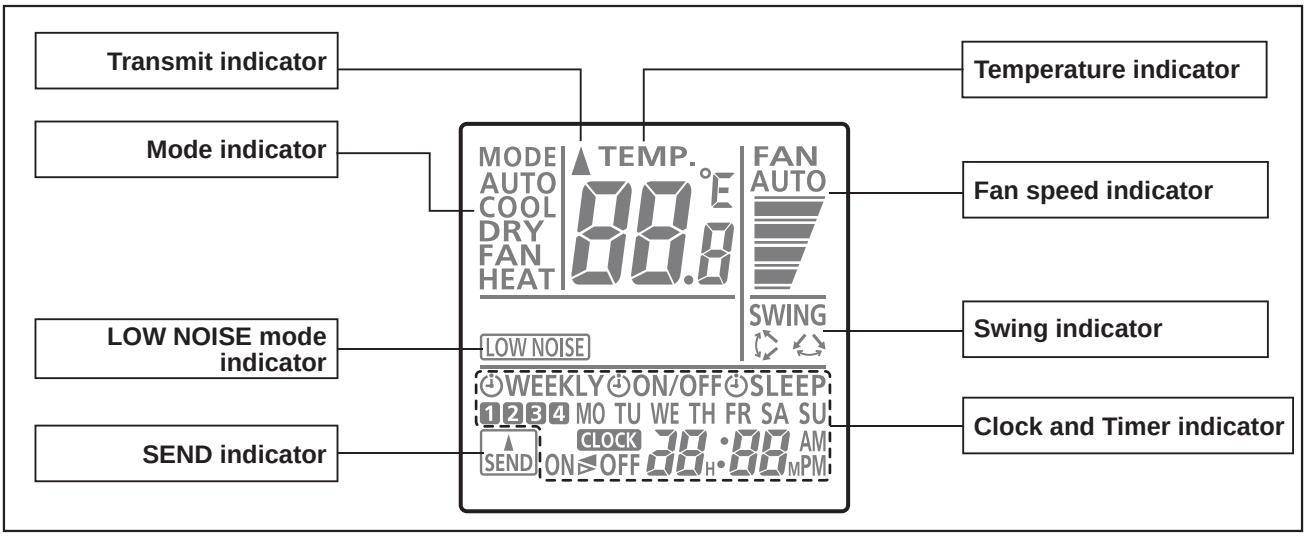
13-2. Wireless remote controller (AR-REW2E)

■ Overview



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

Display panel



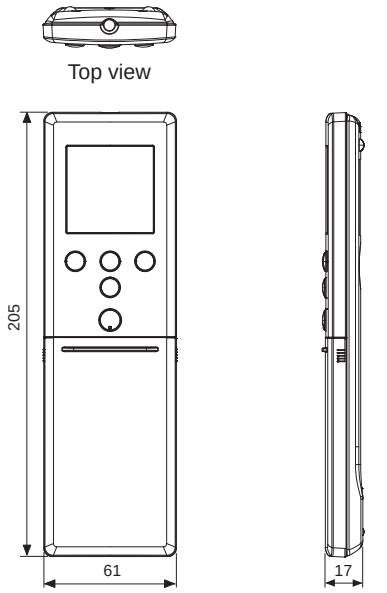
To facilitate explanation, the accompanying illustration has been drawn to show all possible indicators; in actual operation, however, the display will only show those indicators appropriate to the current operation.

4-5 UNIT
MULTI-SPLIT TYPE

■ Specifications

● Controller

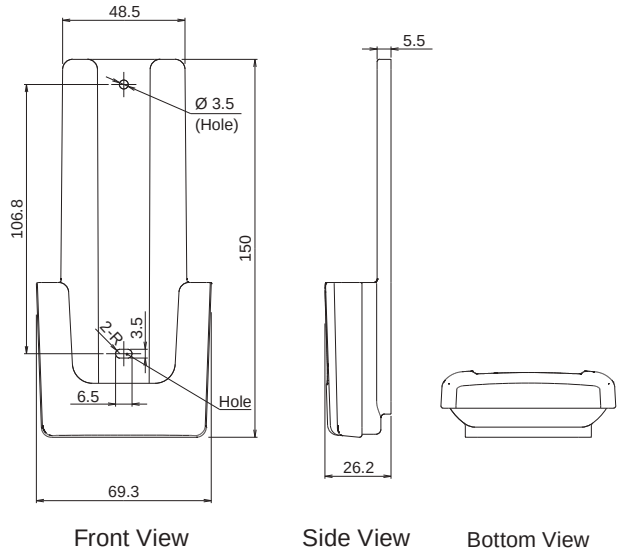
Unit: mm



Size (H × W × D)	mm	205 × 61 × 17
Weight	g	125 (without batteries)

● Holder

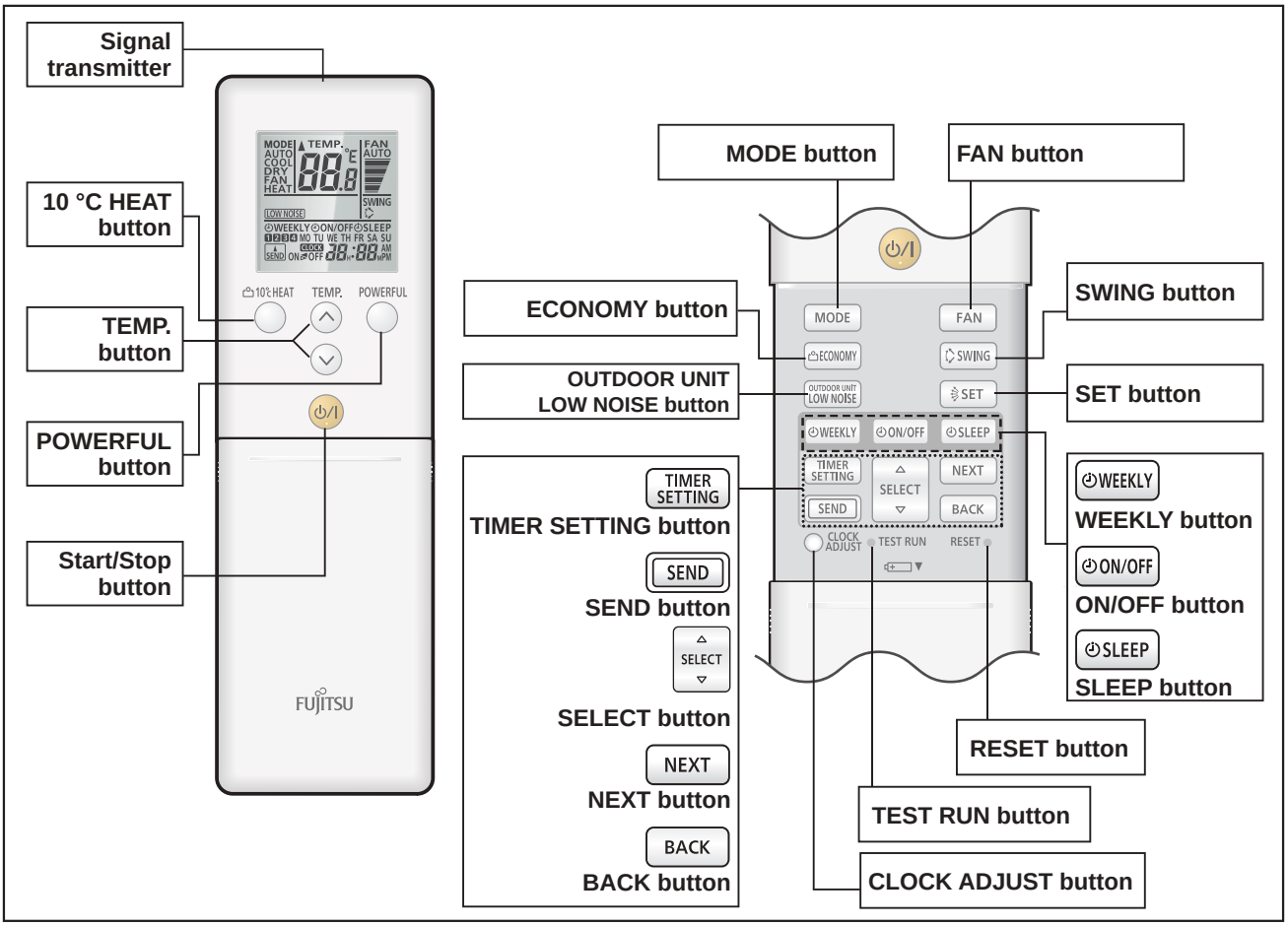
Unit: mm



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

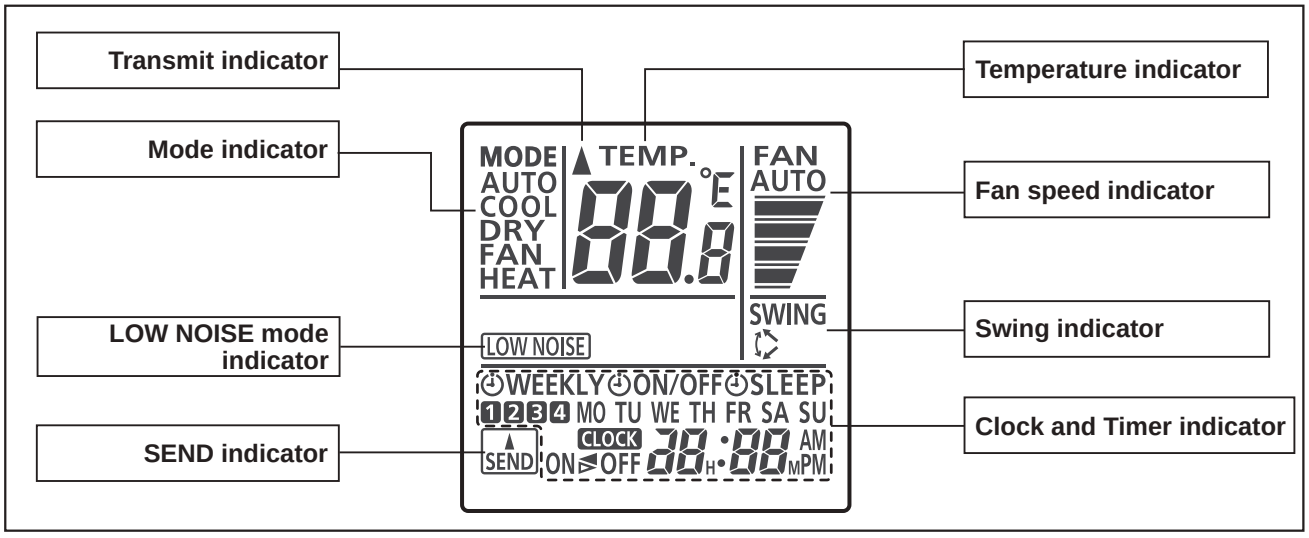
13-3. Wireless remote controller (AR-REM7E)

■ Overview



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

Display panel



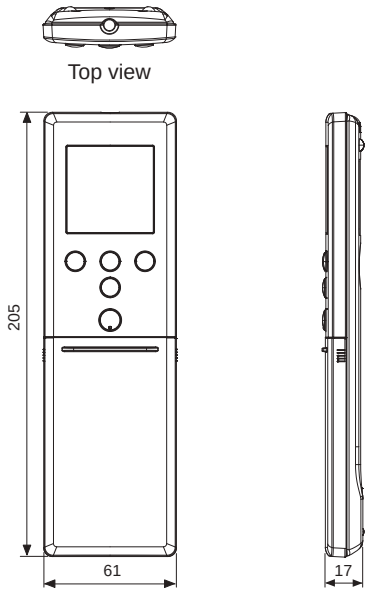
To facilitate explanation, the accompanying illustration has been drawn to show all possible indicators; in actual operation, however, the display will only show those indicators appropriate to the current operation.

4-5 UNIT
MULTI-SPLIT TYPE

■ Specifications

● Controller

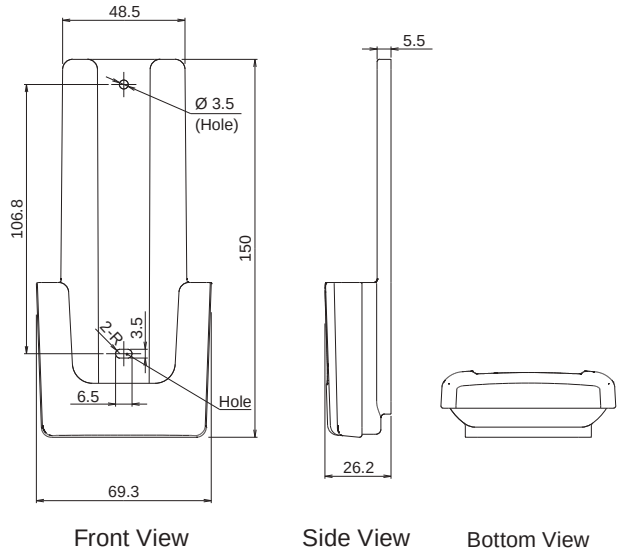
Unit: mm



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

● Holder

Unit: mm

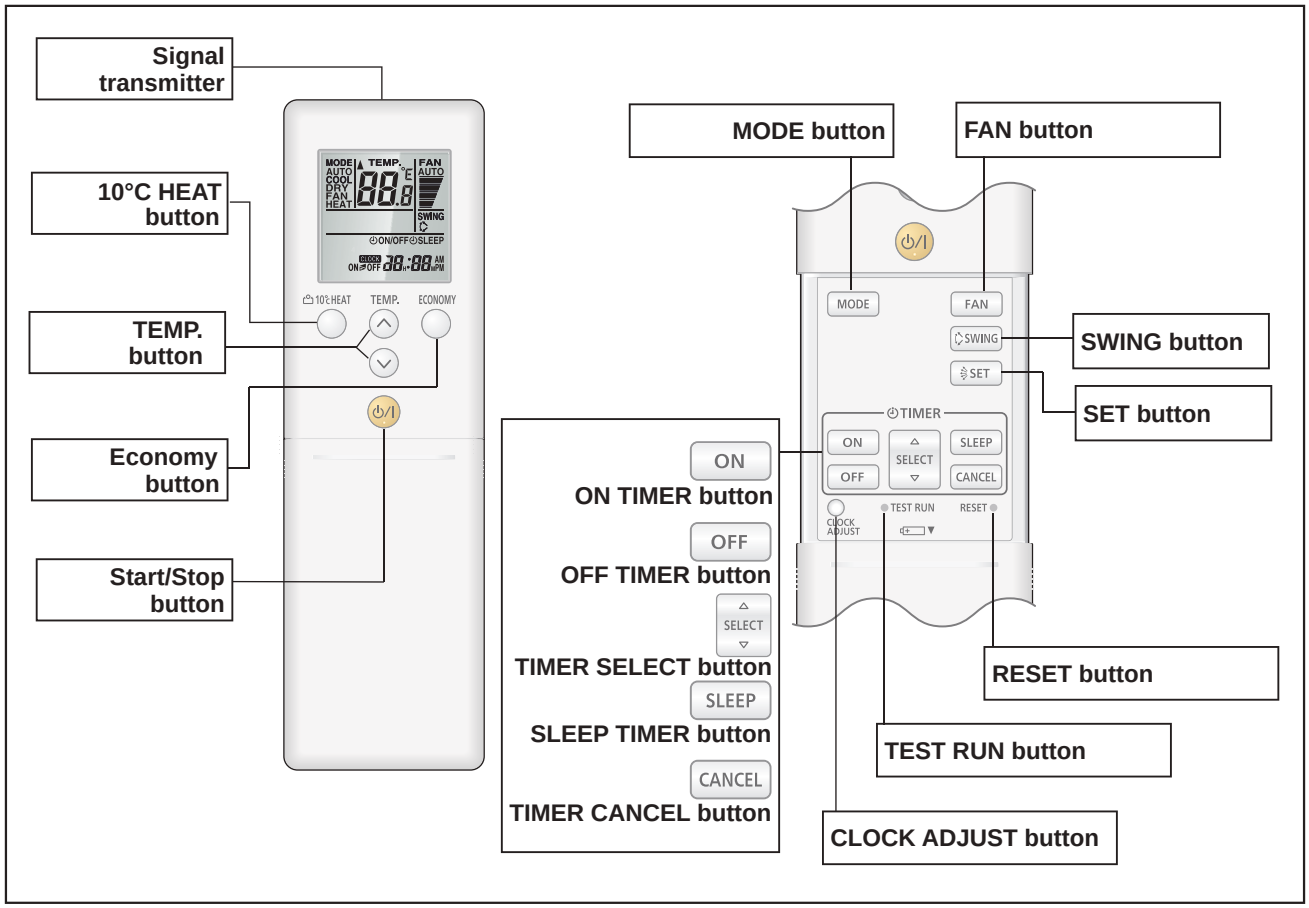


Size (H × W × D)	mm	150 × 69.3 × 26.2
Weight	g	27

4-5 UNIT MULTI-SPLIT TYPE

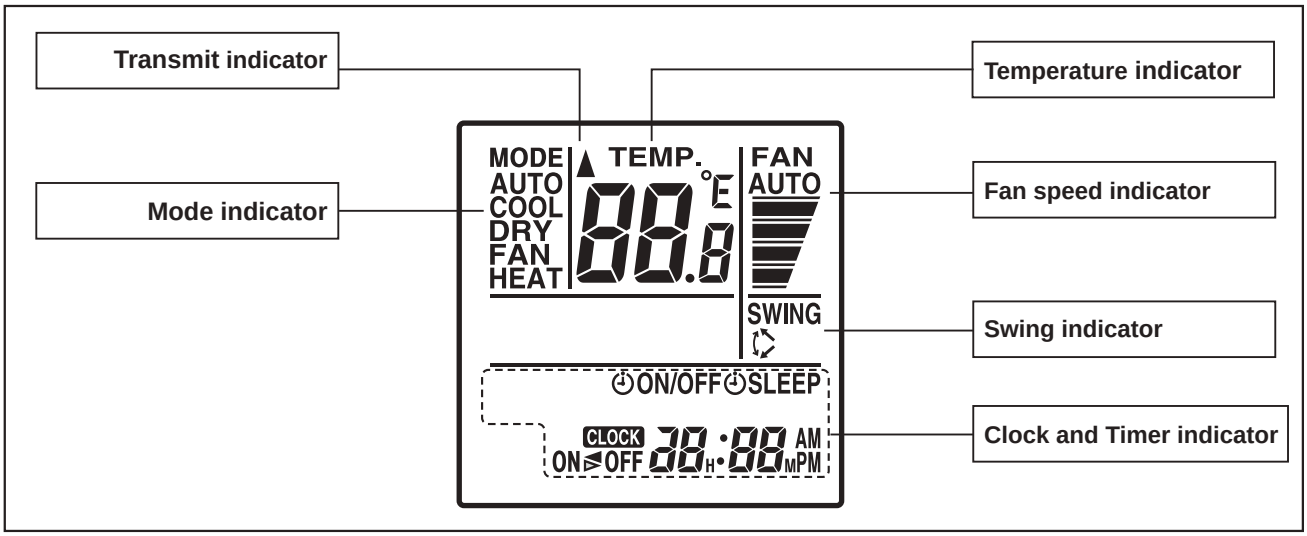
13-4. Wireless remote controller (UTY-LNTY: Optional part)

■ Overview



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

Display panel



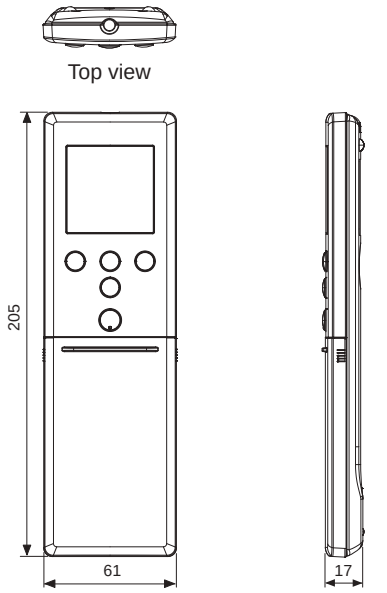
To facilitate explanation, the accompanying illustration has been drawn to show all possible indicators; in actual operation, however, the display will only show those indicators appropriate to the current operation.

4-5 UNIT
MULTI-SPLIT TYPE

■ Specifications

● Controller

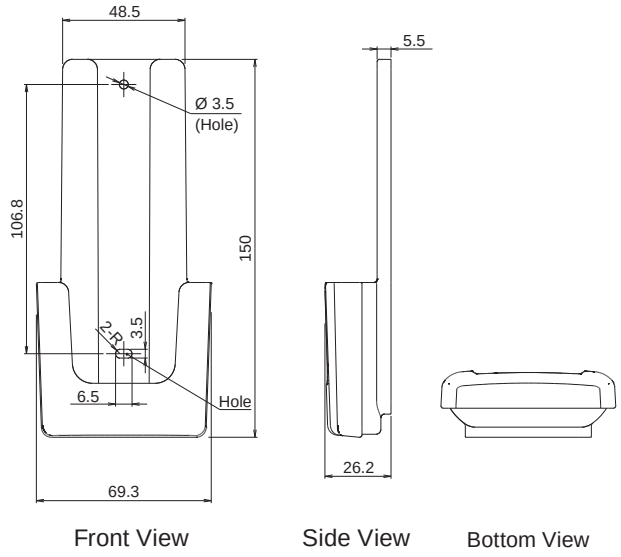
Unit: mm



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

● Holder

Unit: mm

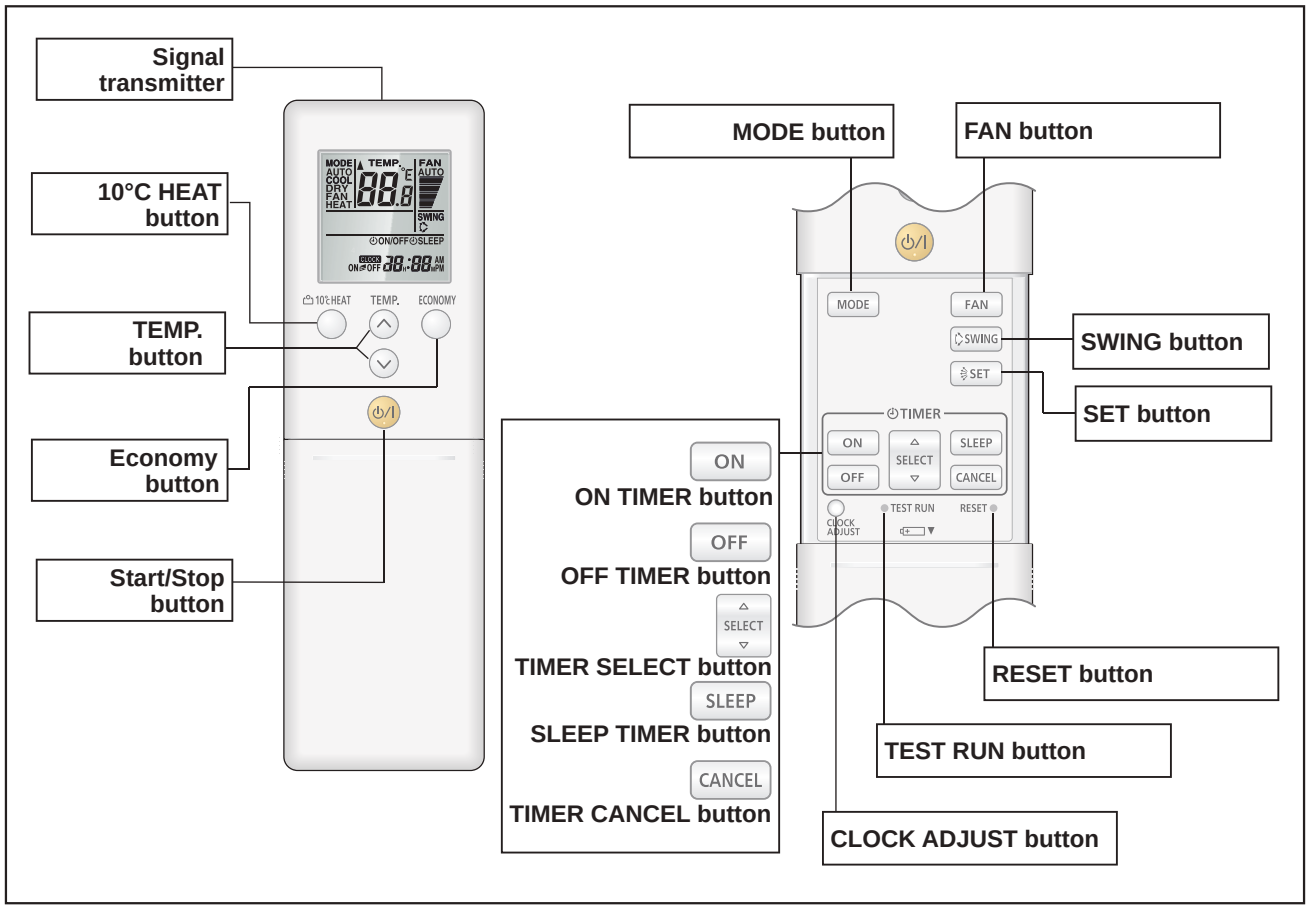


Size (H × W × D)	mm	150 × 69.3 × 26.2
Weight	g	27

4-5 UNIT MULTI-SPLIT TYPE

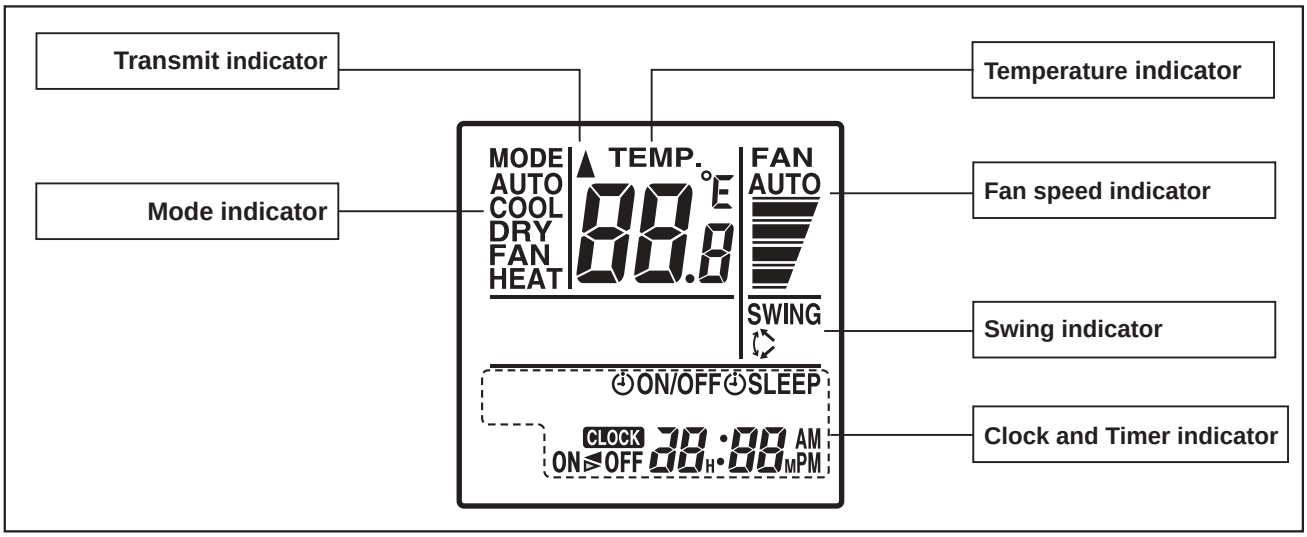
13-5. IR receiver kit with Wireless remote controller (UTY-LBTYM: Optional part)

■ Overview



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

Display panel



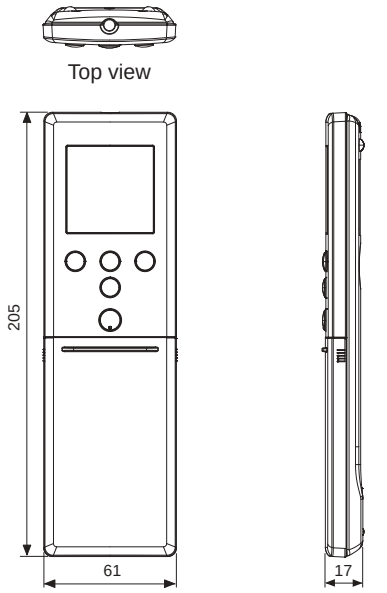
To facilitate explanation, the accompanying illustration has been drawn to show all possible indicators; in actual operation, however, the display will only show those indicators appropriate to the current operation.

4-5 UNIT
MULTI-SPLIT TYPE

■ Specifications

● Controller

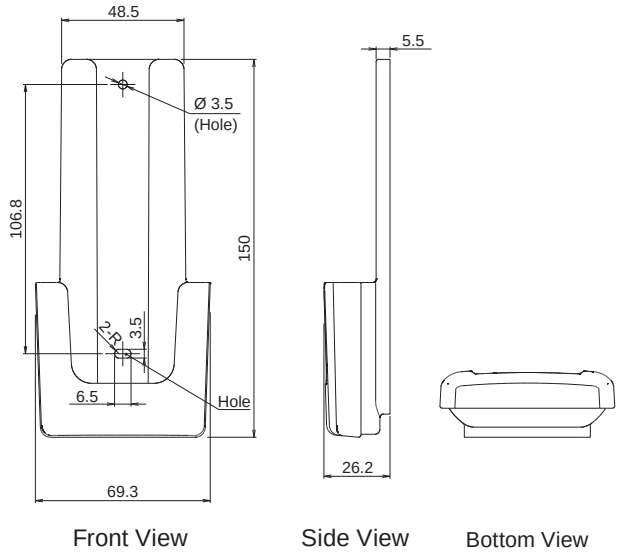
Unit: mm



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

● Holder

Unit: mm



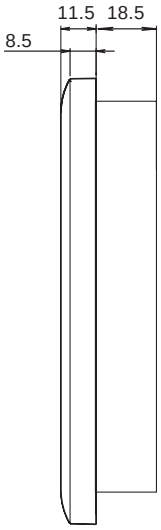
Size (H × W × D)	mm	150 × 69.3 × 26.2
Weight	g	27

4-5 UNIT
MULTI-SPLIT TYPE

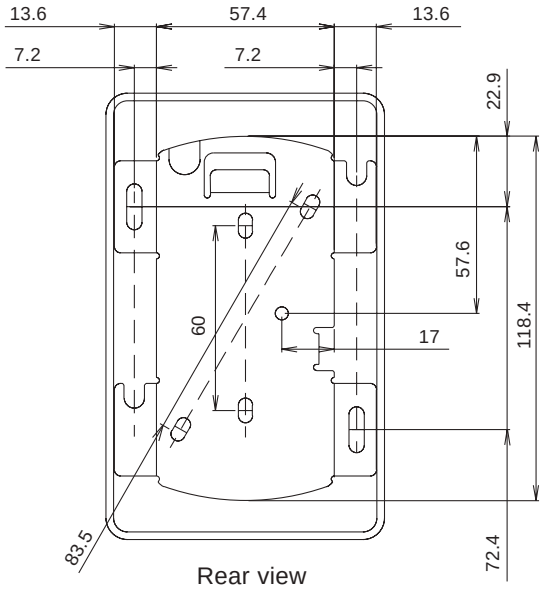
● IR receiver

Unit: mm

Front view



Side view



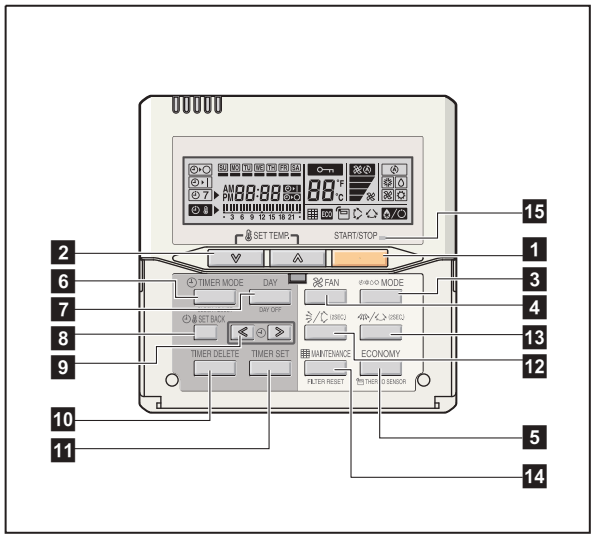
Rear view

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

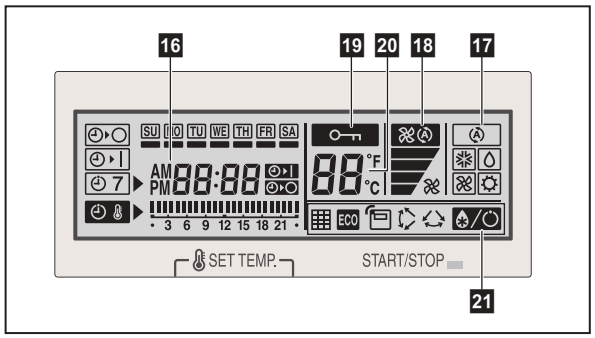
4-5 UNIT
MULTI-SPLIT TYPE

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

■ Overview



Display panel



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

1 START/STOP button
Starts and stops operation.

2 SET TEMP. button
Selects the setting temperature.

3 MODE button
Selects the operating mode (AUTO Ⓐ, HEAT ☼, FAN ✻, COOL ❄, and DRY 💧).

4 FAN button
Selects the fan speed AUTO Ⓐ, QUIET, LOW, MED, and HIGH).

5 ECONOMY (THERMO SENSOR) button
Turns the economy-efficient mode on and off.

6 TIMER MODE (CLOCK ADJUST) button
Selects the timer mode (off timer, on timer, and weekly timer). Sets the current time.

7 DAY (DAY OFF) button
Temporarily cancels one day timer.

8 SET BACK button
Selects the set back timer.

9 Set time button
Pressed to set time.

10 TIMER DELETE button
Deletes the weekly timer schedule.

11 TIMER SET button
Sets the date, hour, minute, and on-off time.

12 Vertical airflow direction and swing button
Push for 2 seconds to change the swing mode.

13 Horizontal airflow direction and swing button
Push for 2 seconds to change the swing mode.

14 FILTER RESET button

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

16 Timer and clock indicator

17 Operation mode indicator

18 Fan speed indicator

19 Operation lock indicator

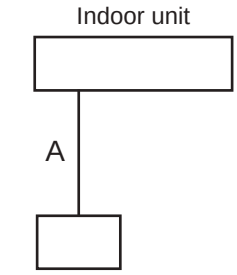
20 Temperature indicator

21 Function indicators
- Defrost indicator
- Thermo sensor indicator
- ECO Economy indicator
- Vertical swing indicator
- Horizontal swing indicator
- Filter indicator

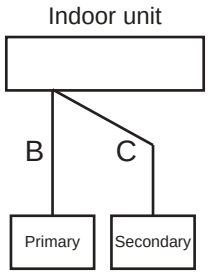
4-5 UNIT
MULTI-SPLIT TYPE

■ System diagram

1 remote controller:



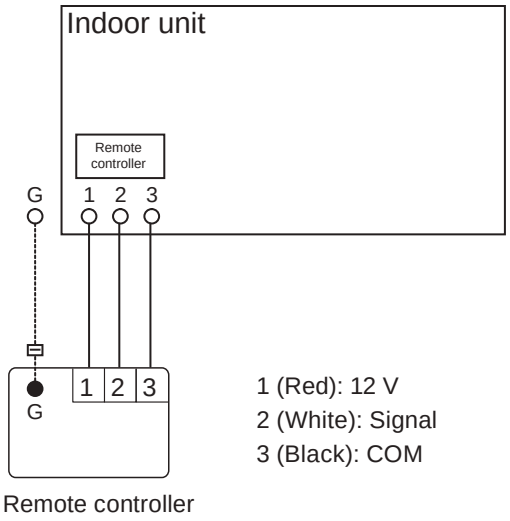
2 remote controllers:



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

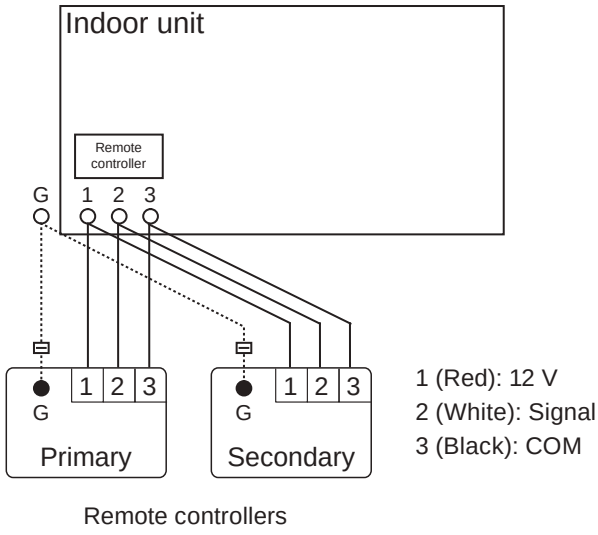
■ Electrical wiring

1 remote controller:



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

2 remote controllers:



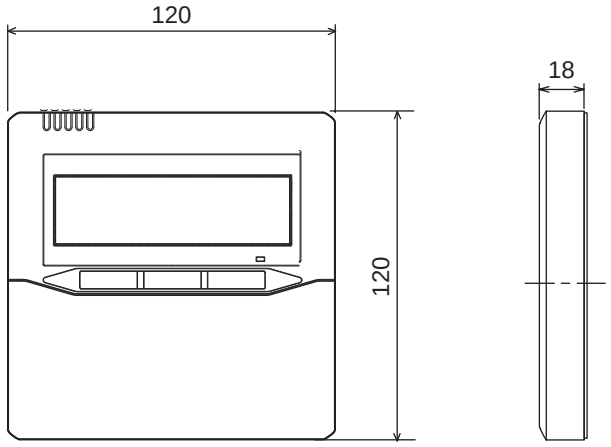
1 (Red): 12 V
2 (White): Signal
3 (Black): COM

4-5 UNIT
MULTI-SPLIT TYPE

■ 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

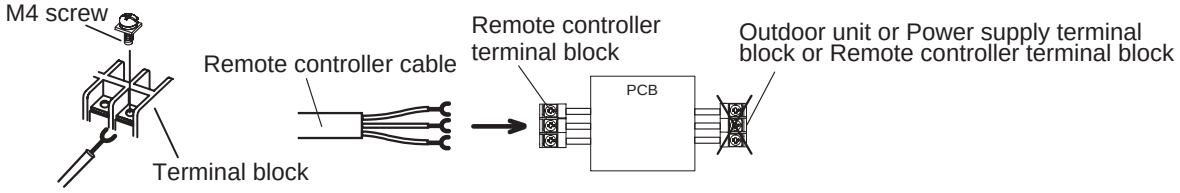
Use	Cable size	Wire type	Remarks
Remote controller cable	0.33 mm^2 (22 AWG)	Polar 3-core	Use sheathed PVC cable.

■ 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.



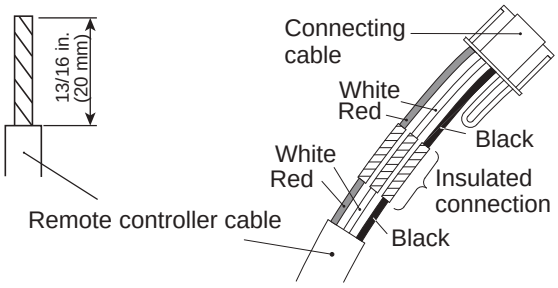
NOTE: It may be failed if it is connected to the outdoor unit or the terminal block for power supply.

4-5 UNIT
MULTI-SPLIT TYPE

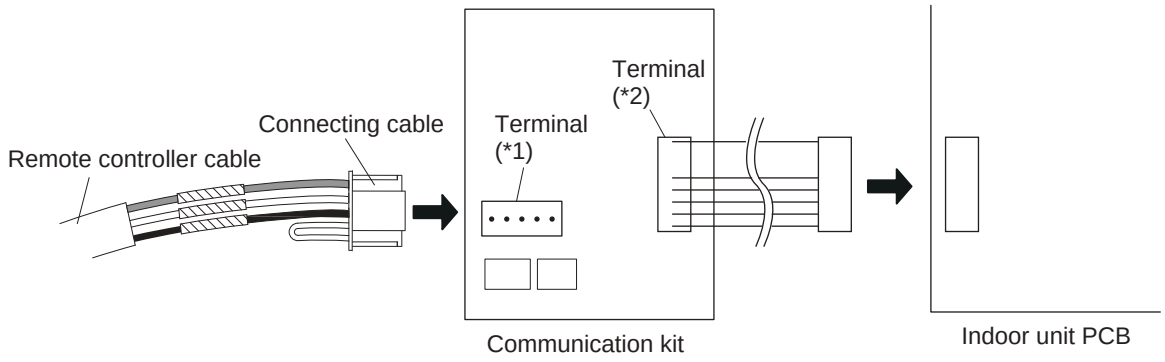
● When connecting to Communication kit (for KM models in Wall mounted type)

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.



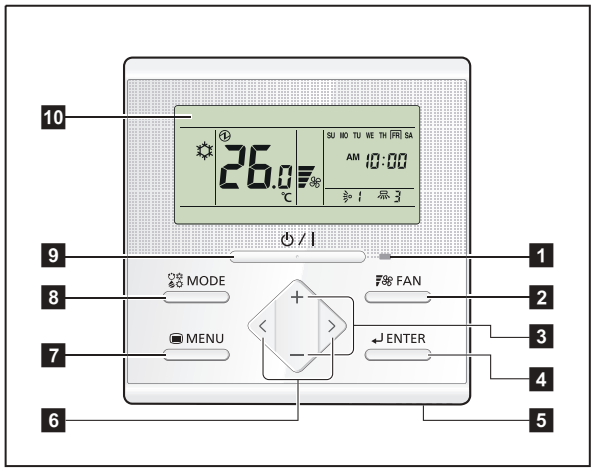
■ Required optional parts

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

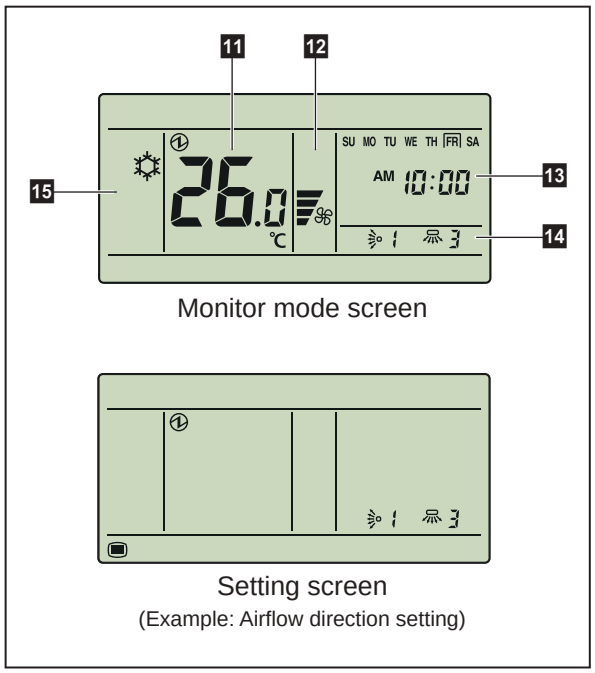
Part name	Model name
External connect kit	UTY-TWBXF2
Communication kit	UTY-XWZXZ5

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

■ Overview



Display panel



Monitor mode screen

Setting screen
(Example: Airflow direction setting)

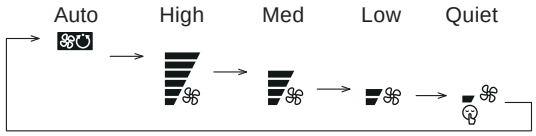
NOTE: For individual icons in Setting screen and related functions, refer to the operation manual.

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:



3 +, - buttons (Set temperature buttons)

Used to adjust temperature in Monitor mode screen.
+ button: Raise
- button: Lower
In Setting screen, used to select the setting items.
NOTE: When the operation mode is set to FAN, the temperature cannot be adjusted.

4 ENTER button

Used to enter setting items and settings.

5 Room temperature sensor (inside)

Senses ambient temperature of unit.

6 <, > buttons

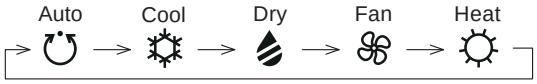
Used to select setting items during the setting item selection screen is displayed.

7 MENU button

Used to display the setting item selection screen.

8 MODE button

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



9 On/Off button

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

10 Display panel

Displays Monitor mode screen or Setting screen.
Monitor mode screen is home screen of this controller, and the basic operation is performed in this screen.
In Setting screen, several settings are adjustable.

11 Temperature indicator

12 Fan speed indicator

13 Clock indicator

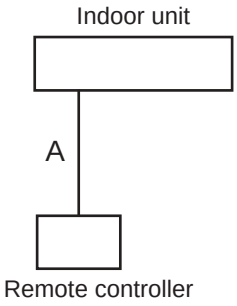
14 Airflow direction indicator

15 Operation mode indicator

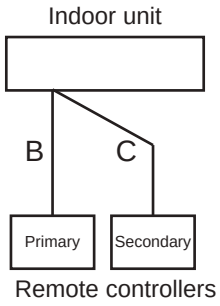
4-5 UNIT
MULTI-SPLIT TYPE

■ System diagram

1 remote controller:



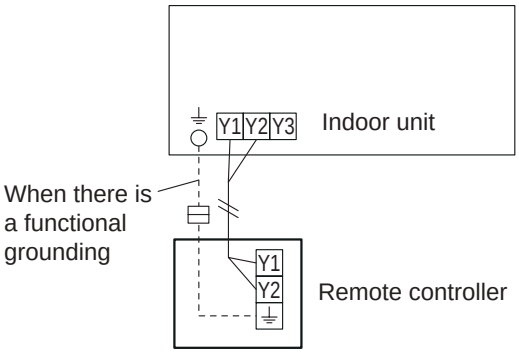
2 remote controllers:



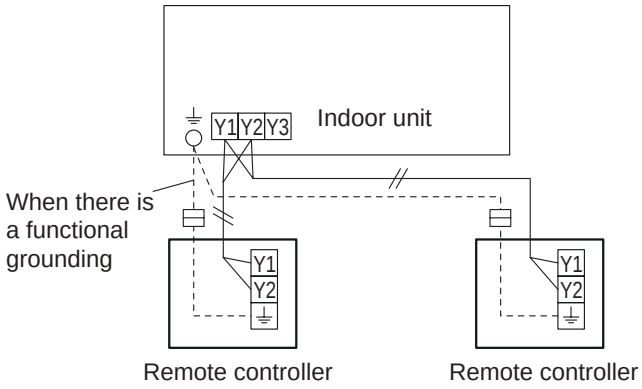
A, B, C: Remote controller cable
A ≤ 500 m;B + C ≤ 500 m

■ Electrical wiring

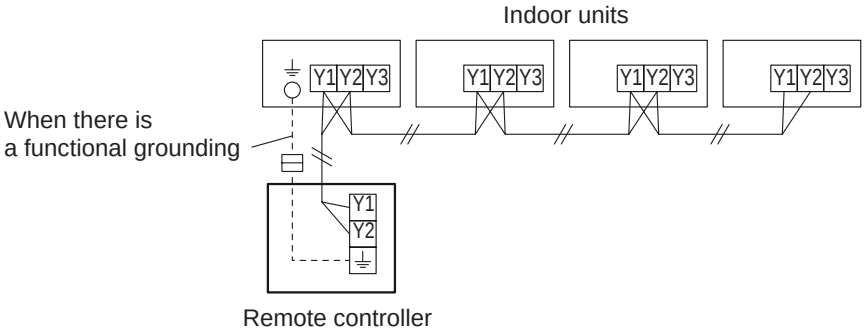
1 remote controller:



2 remote controllers:



Group control:



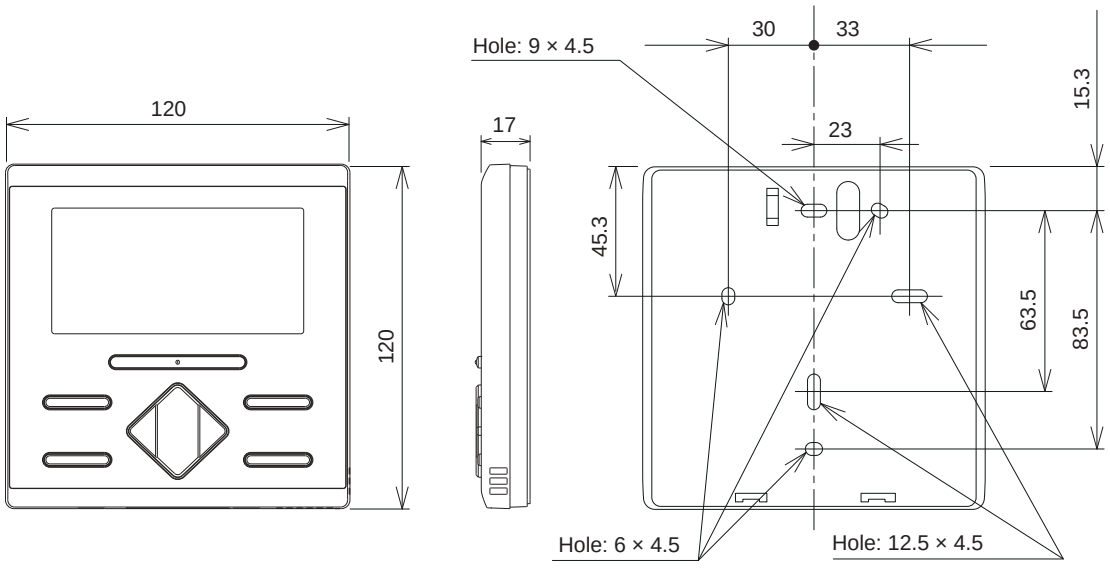
NOTE: Group connection with Polar 3-wired remote controller is not allowed.

4-5 UNIT
MULTI-SPLIT TYPE

■ Specifications

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

Unit: mm



Front view Side view Rear view

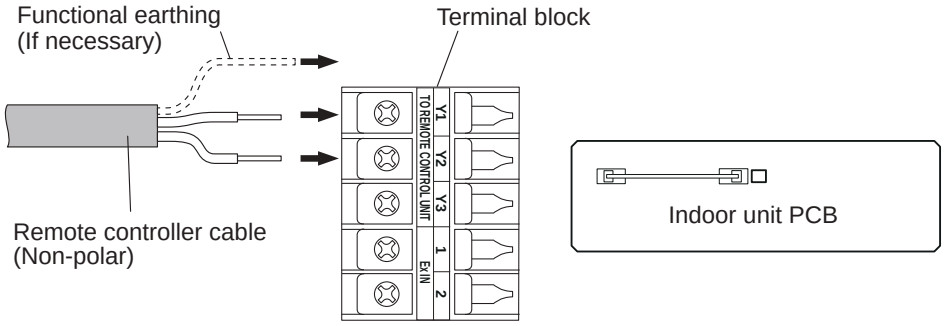
Size (H × W × D)	mm	120 × 120 × 17
Weight	g	170
Power	V	12

● 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.



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.