

AIR CONDITIONER

**2-unit multi-split type,  
3-unit multi-split type**

# DESIGN & TECHNICAL MANUAL

*For Extra Cold Climate Area*



ACUH07LUAS1  
ACUH09LUAS1  
ACUH12LUAS1  
ACUH18LUAS1



ADUH07LUAS1  
ADUH09LUAS1  
ADUH12LUAS1



ADUH18LUAS1



ASU7RLF1  
ASU9RLF1  
ASU12RLF1  
ASU15RLF1

## INDOOR



ASUH07LPAS  
ASUH09LPAS  
ASUH12LPAS  
ASUH15LPAS



ASUH18LPAS



AGU9RLF  
AGU12RLF  
AGU15RLF

## OUTDOOR



AOU18RLXFZH  
AOU24RLXFZH

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# CONTENTS

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## Part 1. INDOOR UNIT.....1

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<b>1. Model lineup .....</b>	<b>2</b>
1-1. Indoor unit connection patterns.....	3
<b>2. Specifications .....</b>	<b>4</b>
2-1. Compact cassette type .....	4
2-2. Slim duct type .....	5
2-3. Wall mounted type (ASU7-15RLF1).....	7
2-4. Wall mounted type (ASUH07-15LPAS).....	8
2-5. Wall mounted type (ASUH18LPAS).....	9
2-6. Floor type .....	10
<b>3. Dimensions .....</b>	<b>11</b>
3-1. Compact cassette type .....	11
3-2. Slim duct type .....	13
3-3. Wall mounted type .....	17
3-4. Floor type .....	23
<b>4. Wiring diagrams .....</b>	<b>24</b>
4-1. Compact cassette type .....	24
4-2. Slim duct type .....	25
4-3. Wall mounted type .....	26
4-4. Floor type .....	29
<b>5. Air velocity and temperature distributions .....</b>	<b>30</b>
5-1. Compact cassette type .....	30
5-2. Slim duct type .....	34
5-3. Wall mounted type .....	42
5-4. Floor type .....	49
<b>6. Fan performance .....</b>	<b>50</b>
6-1. Slim duct type .....	50
<b>7. Airflow .....</b>	<b>58</b>
7-1. Compact cassette type .....	58
7-2. Slim duct type .....	59
7-3. Wall mounted type .....	60
7-4. Floor type .....	62
<b>8. Noise level curve .....</b>	<b>63</b>
8-1. Compact cassette type .....	63
8-2. Slim duct type .....	65
8-3. Wall mounted type .....	67
8-4. Floor type .....	71
8-5. Sound level check point .....	73
<b>9. Electrical characteristics .....</b>	<b>75</b>
<b>10. Safety devices .....</b>	<b>76</b>

## CONTENTS (continued)

<b>11. External input and output (Compact cassette type and slim duct type indoor unit)</b> .....	<b>77</b>
11-1.External input .....	78
11-2.External output .....	79
11-3.Combination of external input and output .....	80
11-4.Details of function .....	83
<b>12. External input and output (RLF1 series wall mounted type and floor type indoor unit)</b> .....	<b>111</b>
12-1.External input .....	111
12-2.External output .....	114
<b>13. External input and output (LPAS series wall mounted type indoor unit)</b> .....	<b>117</b>
13-1.External input .....	118
13-2.External output .....	120
13-3.Combination of external input and output .....	122
13-4.Details of function .....	124
<b>14. Group connection</b> .....	<b>147</b>
14-1.Precautions on creating a group connection .....	148
14-2.Remote controller address setting procedure for wireless remote controllers .....	149
<b>15. Remote controller</b> .....	<b>150</b>
15-1.Wireless remote controller (AR-REG1U) .....	150
15-2.Wireless remote controller (AR-RPB1U) .....	152
15-3.Wireless remote controller (UTY-LNTU: Optional part) .....	154
15-4.IR receiver kit with Wireless remote controller (UTY-LBTUM: Optional part) .....	156
15-5.Wired remote controller (UTY-RNNUM: Optional part) .....	159
15-6.Wired remote controller (UTY-RNRUZ*: Optional part) .....	163
15-7.Simple remote controller (UTY-RSNUM: Optional part) .....	166
15-8.Simple remote controller (UTY-RSRY and UTY-RHRY: Optional parts) .....	171
<b>16. Function settings</b> .....	<b>174</b>
16-1.Compact cassette type indoor unit (setting by DIP switch) .....	174
16-2.Slim duct type indoor unit (setting by DIP switch) .....	175
16-3.Indoor unit (setting by wireless remote controller) .....	177
16-4.Indoor unit (setting by wired remote controller) .....	183
16-5.Indoor unit (setting by simple remote controller) .....	189
16-6.Function details .....	196
16-7.Wired remote controller (UTY-RNNUM) .....	208
16-8.Simple remote controller (UTY-RSNUM) .....	210
<b>17. Accessories</b> .....	<b>211</b>
17-1.Compact cassette type .....	211
17-2.Slim duct type .....	212
17-3.Wall mounted type .....	213
17-4.Floor type .....	215
<b>18. Optional parts</b> .....	<b>216</b>

## CONTENTS (continued)

18-1. Controllers .....	216
18-2. Cassette grille .....	217
18-3. Others .....	218
<b>19. Indoor unit installation precautions .....</b>	<b>222</b>
19-1. Places where prohibited for use .....	222
19-2. Points to remember when installing .....	222

## CONTENTS (continued)

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### Part 2. OUTDOOR UNIT (2 UNITS TYPE) .....225

---

<b>1. Specifications .....</b>	<b>226</b>
<b>2. Dimensions .....</b>	<b>228</b>
2-1. Model: AOU18RLXFZH .....	228
<b>3. Installation space .....</b>	<b>229</b>
3-1. Model: AOU18RLXFZH .....	229
<b>4. Refrigerant circuit .....</b>	<b>232</b>
4-1. Model: AOU18RLXFZH .....	232
<b>5. Wiring diagram .....</b>	<b>233</b>
5-1. Model: AOU18RLXFZH .....	233
<b>6. Capacity table .....</b>	<b>234</b>
6-1. Combinations .....	234
6-2. Cooling capacity .....	236
6-3. Heating capacity .....	241
<b>7. Capacity compensation rate for pipe length and height difference.....</b>	<b>246</b>
7-1. Model: AOU18RLXFZH .....	246
<b>8. Additional charge calculation .....</b>	<b>248</b>
8-1. Model: AOU18RLXFZH .....	248
<b>9. Airflow .....</b>	<b>249</b>
9-1. Model: AOU18RLXFZH .....	249
<b>10. Operation noise (sound pressure).....</b>	<b>250</b>
10-1.Noise level curve.....	250
10-2.Sound level check point .....	250
<b>11. Electrical characteristics .....</b>	<b>251</b>
<b>12. Safety devices .....</b>	<b>252</b>
<b>13. Accessories .....</b>	<b>253</b>
<b>14. Outdoor unit installation precautions .....</b>	<b>254</b>
14-1.Points to remember when installing .....	254

## CONTENTS (continued)

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### Part 3. OUTDOOR UNIT (3 UNITS TYPE) .....255

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<b>1. Specifications .....</b>	<b>256</b>
<b>2. Dimensions .....</b>	<b>258</b>
2-1. Model: AOU24RLXFZH .....	258
<b>3. Installation space .....</b>	<b>259</b>
3-1. Model: AOU24RLXFZH .....	259
<b>4. Refrigerant circuit .....</b>	<b>262</b>
4-1. Model: AOU24RLXFZH .....	262
<b>5. Wiring diagram .....</b>	<b>263</b>
5-1. Model: AOU24RLXFZH .....	263
<b>6. Capacity table .....</b>	<b>264</b>
6-1. Combinations .....	264
6-2. Cooling capacity .....	266
6-3. Heating capacity .....	277
<b>7. Capacity compensation rate for pipe length and height difference.....</b>	<b>288</b>
7-1. Model: AOU24RLXFZH .....	288
<b>8. Additional charge calculation .....</b>	<b>291</b>
8-1. Model: AOU24RLXFZH .....	291
<b>9. Airflow .....</b>	<b>292</b>
9-1. Model: AOU24RLXFZH .....	292
<b>10. Operation noise (sound pressure).....</b>	<b>293</b>
10-1.Noise level curve.....	293
10-2.Sound level check point .....	293
<b>11. Electrical characteristics .....</b>	<b>294</b>
<b>12. Safety devices .....</b>	<b>295</b>
<b>13. Accessories .....</b>	<b>296</b>
<b>14. Outdoor unit installation precautions .....</b>	<b>297</b>
14-1.Points to remember when installing .....	297



# Part 1. INDOOR UNIT

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**COMPACT CASSETTE TYPE:**

**ACUH07/09/12/18LUAS1**

**SLIM DUCT TYPE:**

**ADUH07/09/12/18LUAS1**

**WALL MOUNTED TYPE:**

**ASU7/9/12/15RLF1**








**ASUH07/09/12/15LPAS**

**ASUH18LPAS**

**FLOOR TYPE:**

**AGU9/12/15RLF**

# 1. Model lineup

Indoor unit		
 <p>ACUH07LUAS1 ACUH09LUAS1 ACUH12LUAS1 ACUH18LUAS1</p>	 <p>ADUH07LUAS1 ADUH09LUAS1 ADUH12LUAS1</p>	 <p>ADUH18LUAS1</p>
 <p>ASU7RLF1 ASU9RLF1 ASU12RLF1 ASU15RLF1</p>	 <p>ASUH07LPAS ASUH09LPAS ASUH12LPAS ASUH15LPAS</p>	 <p>ASUH18LPAS</p>
 <p>AGU9RLF AGU12RLF AGU15RLF</p>		
Outdoor unit		
 <p>AOU18RLXFZH AOU24RLXFZH</p>		

## Indoor units that can be connected to each outdoor unit

●: Connectable / -: Not connectable

Outdoor unit		Compact cassette				Slim duct				Wall mounted					Floor		
	kBtu class	7	9	12	18	7	9	12	18	7	9	12	15	18	9	12	15
2 units	AOU18RLXFZH	●	●	●	-	●	●	●	-	●	●	●	-	-	●	●	-
3 units	AOU24RLXFZH	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

## 1-1. Indoor unit connection patterns

### ■ 2 units

Outdoor unit: AOU18RLXFZH			
No.	Unit 1	Unit 2	Total
1	7	7	14
2	7	9	16
3	7	12	19
4	9	9	18
5	9	12	21

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

### ■ 3 units

Outdoor unit: AOU24RLXFZH				
No.	Unit 1	Unit 2	Unit 3	Total
1	7	7	—	14
2	7	9	—	16
3	7	12	—	19
4	7	15	—	22
5	7	18	—	25
6	9	9	—	18
7	9	12	—	21
8	9	15	—	24
9	9	18	—	27
10	12	12	—	24
11	12	15	—	27
12	7	7	7	21
13	7	7	9	23
14	7	7	12	26
15	7	9	9	25
16	9	9	9	27

7: 7,000Btu/h, 9: 9,000Btu/h, 12: 12,000Btu/h, 15: 14,000Btu/h, 18: 18,000Btu/h,

## 2. Specifications

### 2-1. Compact cassette type

Model name				ACUH07LUAS1	ACUH09LUAS1	ACUH12LUAS1	ACUH18LUAS1	
Power supply				208/230 V ~ 60 Hz				
Available voltage range				187—264 V				
Capacity			Btu/h class	7,000	9,000	12,000	18,000	
Input power			W	18		23	39	
Running current			A	0.15		0.19	0.30	
Fan	Airflow rate	Cooling	HIGH	CFM (m³/h)	318 (540)	359 (610)	441 (750)	
			MED		288 (490)	312 (530)	359 (610)	
			LOW		259 (440)	277 (470)	306 (520)	
			QUIET		230 (390)	241 (410)	241 (410)	
		Heating	HIGH		318 (540)	359 (610)	471 (800)	
			MED		288 (490)	312 (530)	418 (710)	
			LOW		259 (440)	277 (470)	353 (600)	
			QUIET		230 (390)	241 (410)	265 (450)	
	Type × Q'ty			Turbo × 1				
	Motor output			W	54			
Sound pressure level *1	Cooling	HIGH	dB (A)	33	37	42		
		MED		31	33	37		
		LOW		29	31	33		
		QUIET		27	28	29		
	Heating	HIGH		34	37	44		
		MED		32	33	40		
		LOW		29	31	37		
		QUIET		27	28	30		
Heat exchanger type	Dimensions (H × W × D)		in (mm)	Main 1: 8-4/16 × 51-9/16 × 1/2 (210 × 1,310 × 13.3) Main 2: 8-4/16 × 49-3/16 × 1/2 (210 × 1,250 × 13.3)				
	Fin pitch		FPI	Main 1: 21 Main 2: 21				
	Rows × Stages			Main 1: 1 × 10 Main 2: 1 × 10				
	Pipe type			Copper tube				
	Fin type			Aluminum				
Dimensions (H × W × D)	Net		in (mm)	9-5/8 × 22-7/16 × 22-7/16 (245 × 570 × 570)				
	Gross			10-7/16 × 28-3/4 × 24-5/8 (265 × 730 × 625)				
Weight	Net		lb (kg)	33 (15)				
	Gross			40 (18)			42 (19)	
Connection pipe	Size	Liquid	in (mm)	Ø1/4 (Ø6.35)				
	Gas	Ø3/8 (Ø9.52)			Ø1/2 (Ø12.70)			
		Method		Flare				
Operation range		Cooling	°F (°C)	64 to 90 (18 to 32)				
			%RH	80 or less				
		Heating	°F (°C)	60 to 86 (16 to 30)				
Drain hose	Material			HARD PVC				
	Tip diameter			in (mm)	Ø1 (Ø25) (I.D.), Ø1-1/4 (Ø32) (O.D.)			
Remote controller (Option)				Wired, Wireless, Mobile app*2 [FGLair™]				
Cassette grille (Grid type: Option)		Model name		UTG-CCGFGA				
		Material		PS				
		Color		White				
				Approximate color of Munsell 9PB 9.1/0.2				
		Dimensions (H × W × D)	Net	in (mm)	1-15/16 × 24-7/16 × 24-7/16 (49 × 620 × 620)			
			Gross		4-3/4 × 30-1/8 × 29-3/4 (120 × 765 × 755)			
		Weight	Net	lb (kg)	5.0 (2.3)			
			Gross		10 (4.5)			

#### NOTES:

- The protective function might work when using it outside the operation range.
- \*1: Sound pressure level:
  - Measured values in manufacturer's anechoic chamber.
  - Because of the surrounding sound environment, the sound levels measured in actual installation conditions might be higher than the specified values here.
- \*2: Available on Google Play™ store or on App Store®. Optional WLAN Adapter is also required. For details, refer to the setting manual.

## 2-2. Slim duct type

Model name				ADUH07LUAS1		ADUH09LUAS1		ADUH12LUAS1					
Power supply				208/230 V ~ 60 Hz									
Available voltage range				187—264 V									
Capacity				Btu/h class		7,000		9,000		12,000			
Input power				W		33		49		58			
Running current				A		0.30				0.35			
Fan	Airflow rate	Cooling	HIGH	CFM (m³/h)	324 (550)		353 (600)		383 (650)				
			MED		288 (490)		324 (550)		353 (600)				
			LOW		277 (470)		294 (500)		324 (550)				
			QUIET		259 (440)		265 (450)		283 (480)				
		Heating	HIGH		324 (550)		353 (600)		383 (650)				
			MED		288 (490)		324 (550)		353 (600)				
			LOW		277 (470)		294 (500)		324 (550)				
			QUIET		259 (440)		265 (450)		283 (480)				
	Type × Qty		Sirocco × 2										
	Motor output			W		80		81					
Recommended static pressure				inWG (Pa)		0 to 0.36 (0 to 90)							
Sound pressure level*1				Cooling	dB (A)	28				29			
						26		27		28			
						25		26		27			
						24		25		26			
				Heating		28				29			
						26				28			
						25				27			
						24							
Heat exchanger type				Dimensions (H × W × D)		in (mm)		11-9/16 × 19-11/16 × 1-9/16 (294 × 500 × 39.9)					
				Fin pitch		FPI		20					
				Rows × Stages				2 × 14		3 × 14			
				Pipe type				Copper tube					
				Fin type				Aluminum					
Enclosure				Material		Steel sheet							
				Color		—							
Dimensions (H × W × D)		Net		in (mm)		7-13/16 × 27-9/16 × 24-7/16 (198 × 700 × 620)							
		Gross				10-13/16 × 37-3/16 × 30-3/8 (274 × 945 × 772)							
Weight		Net		lb (kg)		35 (16)		37 (17)					
		Gross				46 (21)		49 (22)					
Connection pipe		Size	Liquid	in (mm)		Ø1/4 (Ø6.35)							
			Gas			Ø3/8 (Ø9.52)							
		Method				Flare							
Operation range		Cooling		°F (°C)		64 to 90 (18 to 32)							
				%RH		80 or less							
		Heating		°F (°C)		60 to 86 (16 to 30)							
Remote controller (Option)						Wired, Mobile app*2 [FGLair™]							
Drain hose		Material				HARD PVC							
		Tip diameter		in (mm)		Ø1 (Ø25) (I.D.), Ø1-1/4 (Ø32) (O.D.)							
NOTES:													
<div><div>The protective function might work when using it outside the operation range.</div><div>*1: Sound pressure level:<div><div>Measured values in manufacturer's anechoic chamber.</div><div>Because of the surrounding sound environment, the sound levels measured in actual installation conditions might be higher than the specified values here.</div></div></div><div>*2: Available on Google Play™ store or on App Store®. Optional WLAN adapter is also required. For details, refer to the setting manual.</div></div>													

Model name				ADUH18LUAS1	
Power supply				208/230 V ~ 60 Hz	
Available voltage range				187—264 V	
Capacity			Btu/h class	18,000	
Input power			W	73	
Running current			A	0.44	
Fan	Airflow rate	Cooling	HIGH	CFM (m³/h)	553 (940)
			MED		518 (880)
			LOW		483 (820)
			QUIET		441 (750)
		Heating	HIGH		553 (940)
			MED		518 (880)
			LOW		483 (820)
			QUIET		441 (750)
	Type × Q'ty		Sirocco × 3		
	Motor output		W	81	
Recommended static pressure			inWG (Pa)	0 to 0.36 (0 to 90)	
Sound pressure level *1	Cooling	HIGH	dB (A)	32	
		MED		31	
		LOW		30	
		QUIET		29	
	Heating	HIGH		33	
		MED		32	
		LOW		31	
		QUIET		29	
Heat exchanger type	Dimensions (H × W × D)		in (mm)	11-9/16 × 27-9/16 × 1-9/16 (294 × 700 × 39.9)	
	Fin pitch		FPI	20	
	Rows × Stages		3 × 14		
	Pipe type		Copper tube		
	Fin type		Aluminum		
Enclosure		Material		Steel sheet	
		Color		—	
Dimensions (H × W × D)	Net		in (mm)	7-13/16 × 35-7/16 × 24-7/16 (198 × 900 × 620)	
	Gross			10-13/16 × 45-1/16 × 30-3/8 (274 × 1,145 × 772)	
Weight	Net		lb (kg)	44 (20)	
	Gross			57 (26)	
Connection pipe	Size	Liquid	in (mm)	Ø1/4 (Ø6.35)	
		Gas		Ø1/2 (Ø12.70)	
	Method			Flare	
Operation range	Cooling		°F (°C)	64 to 90 (18 to 32)	
			%RH	80 or less	
	Heating		°F (°C)	60 to 86 (16 to 30)	
Remote controller (Option)				Wired, Mobile app*2 [FGLair™]	
Drain hose	Material			HARD PVC	
	Tip diameter		in (mm)	Ø1 (Ø25) (I.D.), Ø1-1/4 (Ø32) (O.D.)	
NOTES:					
<ul style="list-style-type: none"><li>The protective function might work when using it outside the operation range.</li><li>*1: Sound pressure level:<ul style="list-style-type: none"><li>Measured values in manufacturer's anechoic chamber.</li><li>Because of the surrounding sound environment, the sound levels measured in actual installation conditions might be higher than the specified values here.</li></ul></li><li>*2: Available on Google Play™ store or on App Store®. Optional WLAN adapter is also required. For details, refer to the setting manual.</li></ul>					

## 2-3. Wall mounted type (ASU7-15RLF1)

Model name				ASU7RLF1	ASU9RLF1	ASU12RLF1	ASU15RLF1	
Power supply				208/230 V ~ 60 Hz				
Available voltage range				187—264 V				
Capacity		Btu/h class		7,000	9,000	12,000	14,000	
Input power		W		15	17	22	28	
Running current		A		0.13	0.15	0.19	0.25	
Fan	Airflow rate	Cooling	HIGH	CFM (m³/h)	330 (560)	353 (600)	388 (660)	430 (730)
			MED		294 (500)	306 (520)	330 (560)	353 (600)
			LOW		253 (430)	253 (430)	265 (450)	312 (530)
			QUIET		182 (310)	182 (310)	182 (310)	212 (360)
		Heating	HIGH		330 (560)	353 (600)	388 (660)	430 (730)
			MED		294 (500)	306 (520)	330 (560)	362 (615)
			LOW		253 (430)	253 (430)	277 (470)	330 (560)
			QUIET		194 (330)	194 (330)	194 (330)	221 (375)
	Type × Q'ty		Crossflow fan × 1					
	Motor output		W	30				
Sound pressure level *		Cooling	HIGH	dB (A)	36	37	40	42
			MED		32	33	36	38
			LOW		29	29	30	33
			QUIET		21	21	21	25
		Heating	HIGH		36	37	40	42
			MED		32	33	36	38
			LOW		29	29	31	35
			QUIET		22	22	22	27
Heat exchanger type		Dimensions (H × W × D)		in (mm)				Main: 12-5/8 × 24-13/16 × 13/16 (320 × 630 × 20) Sub: 3-5/16 × 24-13/16 × 1/2 (84 × 630 × 13.3)
		Fin pitch		FPI				Main: 23, Sub: 18
		Rows × Stages						Main: 2 × 20, Sub: 1 × 4
		Pipe type						Copper tube
		Fin type						Aluminum
								Polystyrene
Enclosure	Material							White
	Color							Approximate color of Munsell N 9.25/
Dimensions (H × W × D)	Net		in (mm)	10-9/16 × 33-1/16 × 8 (268 × 840 × 203)				
	Gross			10-5/8 × 34-13/16 × 14-3/4 (270 × 884 × 336)				
Weight	Net		lb (kg)	19 (8.5)				
	Gross			23 (10.5)				
Connection pipe	Size	Liquid	in (mm)	Ø1/4 (Ø6.35)				
		Gas		Ø3/8 (Ø9.52)			Ø1/2 (Ø12.70)	
Drain hose	Method			Flare				
	Material			PP + HDPE				
Operation range	Cooling		in (mm)	Ø17/32 (Ø13.8) (I.D.), Ø19/32 to 21/32 (Ø15.0 to 16.8) (O.D.)				
			°F (°C)	64 to 90 (18 to 32)				
	Heating	%RH	80 or less					
°F (°C)		60 to 86 (16 to 30)						
Remote controller type				Wireless (Wired [option])				
NOTES:								
<ul style="list-style-type: none"><li>The protective function might work when using it outside the operation range.</li><li>*Sound pressure level:<ul style="list-style-type: none"><li>Measured values in manufacturer's anechoic chamber.</li><li>Because of the surrounding sound environment, the sound levels measured in actual installation conditions might be higher than the specified values here.</li></ul></li></ul>								

### NOTES:

- The 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.

## 2-4. Wall mounted type (ASUH07-15LPAS)

Model name				ASUH07LPAS	ASUH09LPAS	ASUH12LPAS	ASUH15LPAS	
Power supply				208/230 V ~ 60 Hz				
Available voltage range				187—264 V				
Capacity			Btu/h class	7,000	9,000	12,000	14,000	
Input power			W	18	22	26	42	
Running current			A	0.18	0.20	0.24	0.35	
Fan	Airflow rate	Cooling	HIGH	CFM (m³/h)	383 (650)	412 (700)	412 (700)	453 (770)
			MED		318 (540)	330 (560)	330 (560)	353 (600)
			LOW		253 (430)	253 (430)	253 (430)	265 (450)
			QUIET		188 (320)	188 (320)	182 (310)	182 (310)
		Heating	HIGH		424 (720)	441 (750)	453 (770)	483 (820)
			MED		341 (580)	359 (610)	377 (640)	388 (660)
			LOW		271 (460)	277 (470)	306 (520)	306 (520)
			QUIET		194 (330)	194 (330)	182 (310)	200 (340)
	Type × Qty	Crossflow fan × 1						
	Motor output			W	49			
Sound pressure level*1	Cooling	HIGH	dB (A)	38	40		43	
		MED		33	34	35	36	
		LOW		29		30		
		QUIET		21				
	Heating	HIGH		41	42		44	
		MED		35	36	38	39	
		LOW		31		33		
		QUIET		22			24	
Heat exchanger type	Dimensions (H × W × D)		in (mm)	Main1: 8-1/4 × 26-5/16 × 1-1/16 (210 × 668 × 26.6) Main2: 4-7/16 × 26-5/16 × 13/16 (112 × 668 × 20)		Main1: 8-1/4 × 26-5/16 × 1-1/16 (210 × 668 × 26.6) Main2: 4-7/16 × 26-5/16 × 13/16 (112 × 668 × 20) Sub: 3-5/16 × 26-5/16 × 1/2 (84 × 668 × 13.3)		
	Fin pitch		FPI	Man1: 21 Main2: 23		Man1: 21 Main2: 23 Sub: 18		
	Rows × Stages			Main1: 2 × 10 Main2: 2 × 7		Main1: 2 × 10 Main2: 2 × 7 Sub: 1 × 4		
	Pipe type			Copper				
Fin type			Aluminum					
Enclosure	Material			Polystyrene				
	Color			White				
Dimensions (H × W × D)		Net	in (mm)	10-5/8 × 32-13/16 × 8-3/4 (270 × 834 × 222)				
		Gross		10-7/8 × 36 × 13-1/16 (277 × 914 × 332)				
Weight		Net	lb (kg)	21 (9.5)		22 (10.0)		
		Gross		26 (12.0)		29 (13.0)		
Connection pipe	Size	Liquid	in (mm)	Ø1/4 (Ø6.35)				
		Gas		Ø3/8 (Ø9.52)		Ø1/2 (Ø12.7)		
Method		Flare						
Drain hose	Material			PP+HDPE				
	Tip diameter		in (mm)	Ø17/32 (Ø13.8) (I.D.), Ø19/32 to 21/32 (Ø15.0 to 16.8) (O.D.)				
Operation range	Cooling	°F (°C)		64 to 90 (18 to 32)				
		%RH		80 or less				
Heating		°F (°C)		60 to 86 (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:								
– Measured values in manufacturer’s anechoic chamber.								
– Because of the surrounding sound environment, the sound levels measured in actual installation conditions might be higher than the specified values here.								
• *2: Available on Google Play™ store or on App Store®. Optional WLAN Adapter is also required. For details, refer to the setting manual.								

## 2-5. Wall mounted type (ASUH18LPAS)

Model name					ASUH18LPAS	
Power supply					208/230 V ~ 60 Hz	
Available voltage range					187—264 V	
Capacity				Btu/h class	18,000	
Input power				W	34	
Running current				A	0.32	
Fan	Airflow rate	Cooling	HIGH	CFM (m³/h)	530 (900)	
			MED		471 (800)	
			LOW		377 (640)	
			QUIET		241 (410)	
		Heating	HIGH		506 (860)	
			MED		406 (690)	
			LOW		330 (560)	
			QUIET		247 (420)	
	Type × Qty			Crossflow fan × 1		
	Motor output			W	59	
Sound pressure level*1	Cooling	HIGH	dB (A)	44		
		MED		42		
		LOW		37		
		QUIET		26		
	Heating	HIGH		43		
		MED		39		
		LOW		34		
		QUIET		28		
Heat exchanger type	Dimensions (H × W × D)		in (mm)	Main1: 8-1/4 × 31-5/16 × 1-1/16 (210 × 796 × 26.6) Main2: 4-15/16 × 31-5/16 × 1-1/16 (126 × 796 × 26.6) Sub1: 3-5/16 × 31-5/16 × 1/2 (84 × 796 × 13.3)		
	Fin pitch		FPI	Main1: 21 Main2: 21 Sub1: 18		
	Rows × Stages			Main1: 2 × 10 Main2: 2 × 6 Sub1: 1 × 4		
	Pipe type			Copper		
	Fin type			Aluminum		
Enclosure	Material			Polystyrene		
	Color			White Approximate color of Munsell N 9.25/ 11 × 38-9/16 × 9-7/16 (280 × 980 × 240)		
Dimensions (H × W × D)	Net		in (mm)	12-11/16 × 42-7/16 × 13-5/8 (322 × 1,078 × 346)		
	Gross					
Weight	Net		lb (kg)	29 (13)		
	Gross			37 (17)		
Connection pipe	Size	Liquid Gas	in (mm)	Ø1/4 (Ø6.35) Ø1/2 (Ø12.7)		
	Method			Flare		
Drain hose	Material			PP+HDPE		
	Tip diameter		in (mm)	Ø17/32 (Ø13.8) (I.D.), Ø5/8 to 21/32 (Ø15.8 to 16.7) (O.D.)		
Operation range	Cooling	°F (°C)		64 to 90 (18 to 32)		
		%RH		80 or less		
	Heating	°F (°C)		86 or less (30 or less)		
		Remote controller type			Wireless (Wired, Mobile app*2 [FGLair™] [option])	
<b>NOTES:</b> <ul style="list-style-type: none"><li>The protective function might work when using it outside the operation range.</li><li>*1: Sound pressure level:<ul style="list-style-type: none"><li>Measured values in manufacturer's anechoic chamber.</li><li>Because of the surrounding sound environment, the sound levels measured in actual installation conditions might be higher than the specified values here.</li></ul></li><li>*2: Available on Google Play™ store or on App Store®. Optional WLAN Adapter is also required. For details, refer to the setting manual.</li></ul>						

## 2-6. Floor type

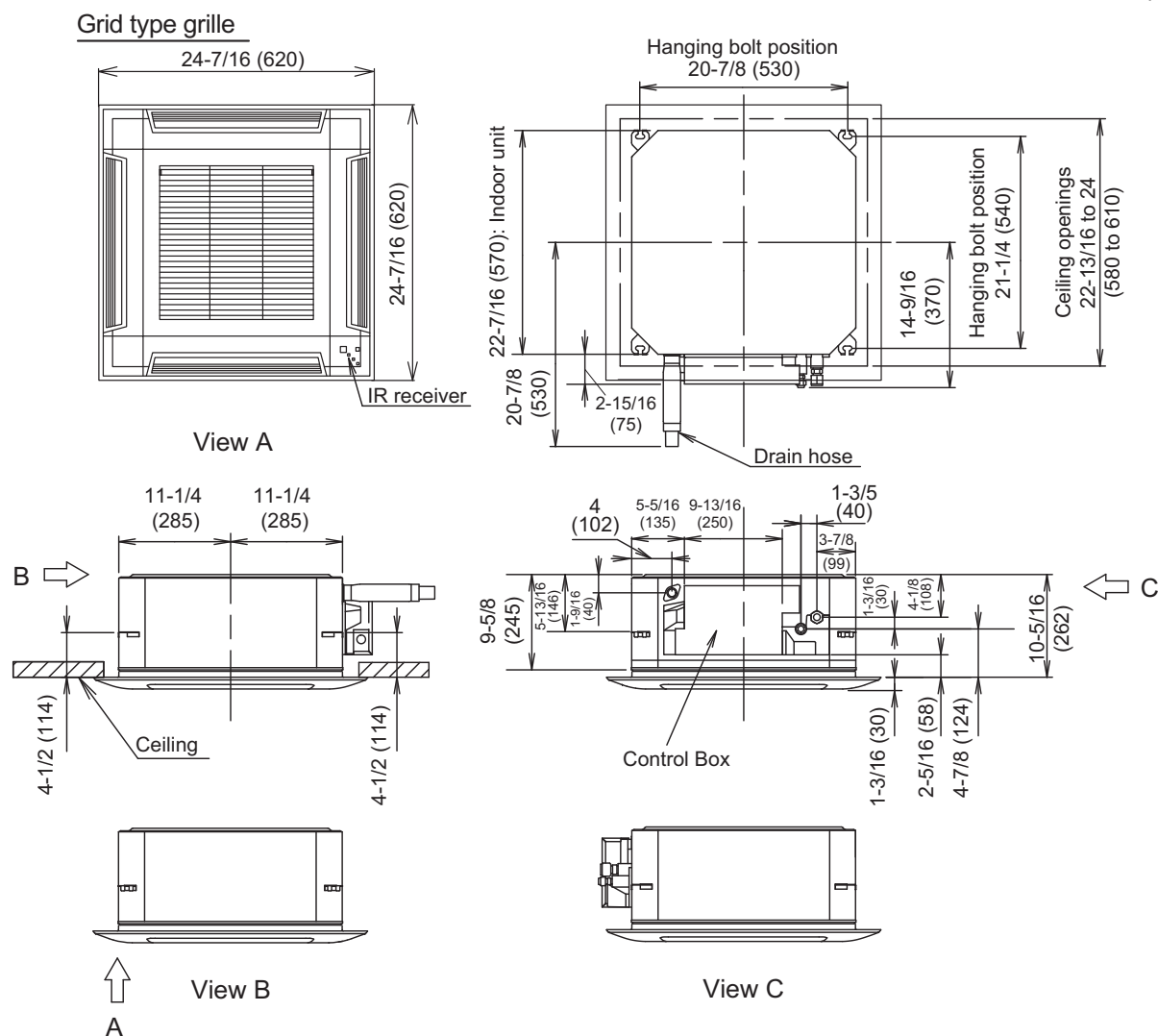
Model name				AGU9RLF	AGU12RLF	AGU15RLF	
Power supply				208/230 V ~ 60 Hz			
Available voltage range				187—264 V			
Capacity			Btu/h class	9,000	12,000	14,000	
Input power			W	16	20	23	
Running current			A	0.15	0.18	0.20	
Fan	Airflow rate	Cooling	HIGH	CFM (m³/h)	312 (530)	353 (600)	383 (650)
			MED		259 (440)	288 (490)	306 (520)
			LOW		212 (360)	224 (380)	235 (400)
			QUIET		159 (270)	159 (270)	159 (270)
		Heating	HIGH		312 (530)	353 (600)	383 (650)
			MED		270 (460)	300 (510)	318 (540)
			LOW		224 (380)	241 (410)	253 (430)
			QUIET		159 (270)	159 (270)	159 (270)
	Type × Q'ty			Crossflow fan × 2			
	Motor output			W	16		
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	
Heat exchanger type	Dimensions (H × W × D)		in (mm)	14-7/8 × 21-5/8 × 1-1/16 (378 × 550 × 26.6)			
	Fin pitch		FPI	21			
	Rows × Stages			2 × 18			
	Pipe type			Copper tube			
	Fin type			Aluminum			
Enclosure	Material			Polystyrene			
	Color			White (Approximate color of Munsell N 9.25/)			
Dimensions (H × W × D)	Net		in (mm)	23-5/8 × 29-1/8 × 7-7/8 (600 × 740 × 200)			
	Gross			27-9/16 × 32-5/16 × 12-3/16 (700 × 820 × 310)			
Weight	Net		lb (kg)	31 (14)			
	Gross			37 (17)			
Connection pipe	Size	Liquid	in (mm)	Ø1/4 (Ø6.35)			
		Gas		Ø3/8 (Ø9.52)		Ø1/2 (Ø12.70)	
	Method			Flare			
Drain hose	Material			PVC			
	Size			Ø9/16 (Ø13.8) (I.D.), Ø11/16 (Ø16.7) (O.D.)			
Operation range		Cooling	°F (°C)	64 to 90 (18 to 32)			
			%RH	80 or less			
		Heating	°F (°C)	60 to 86 (16 to 30)			
Remote controller type				Wireless (Wired [option])			
NOTES:							
• The protective function might work when using it outside the operation range.							
• *Sound pressure level:							
– Measured values in manufacturer's anechoic chamber.							
– Because of the surrounding sound environment, the sound levels measured in actual installation conditions might be higher than the specified values here.							

## 3. Dimensions

### 3-1. Compact cassette type

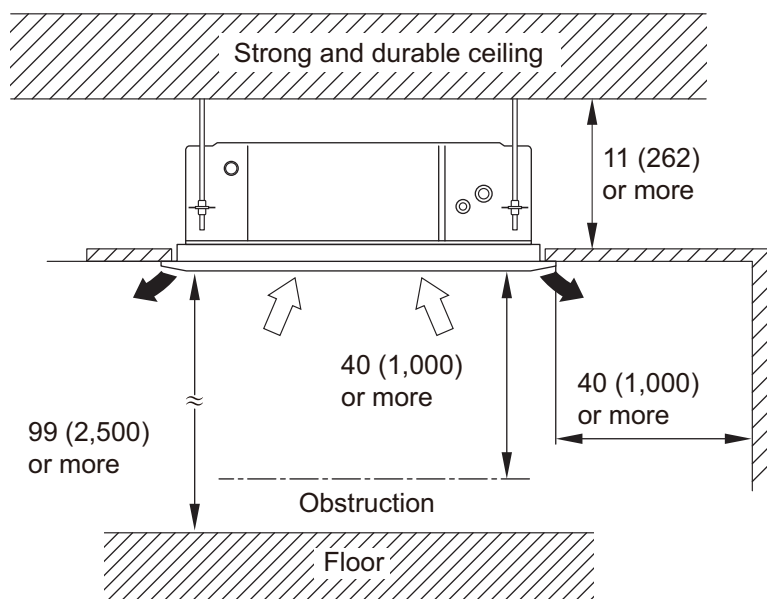
■ Models: ACUH07LUAS1, ACUH09LUAS1, ACUH12LUAS1, and ACUH18LUAS1

Unit: in (mm)



## ■ Installation space requirement

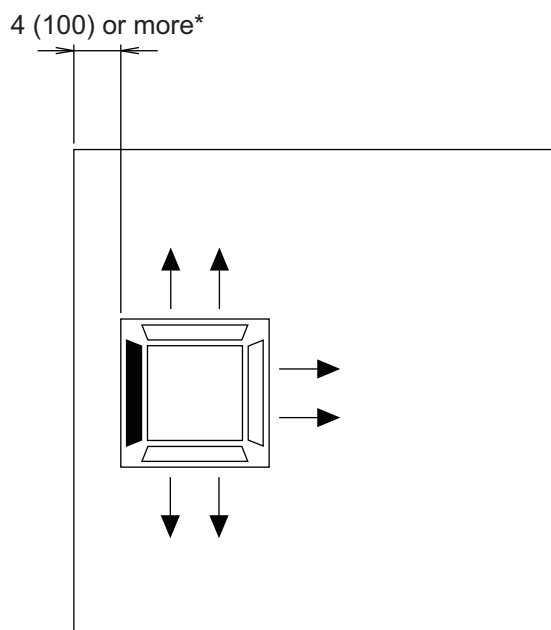
Unit: in (mm)



Maximum height from floor to ceiling [Unit: in (mm)]	
Standard	107 (2,700)
High ceiling	119 (3,000)

### 3-way direction setting:

Unit: in (mm)



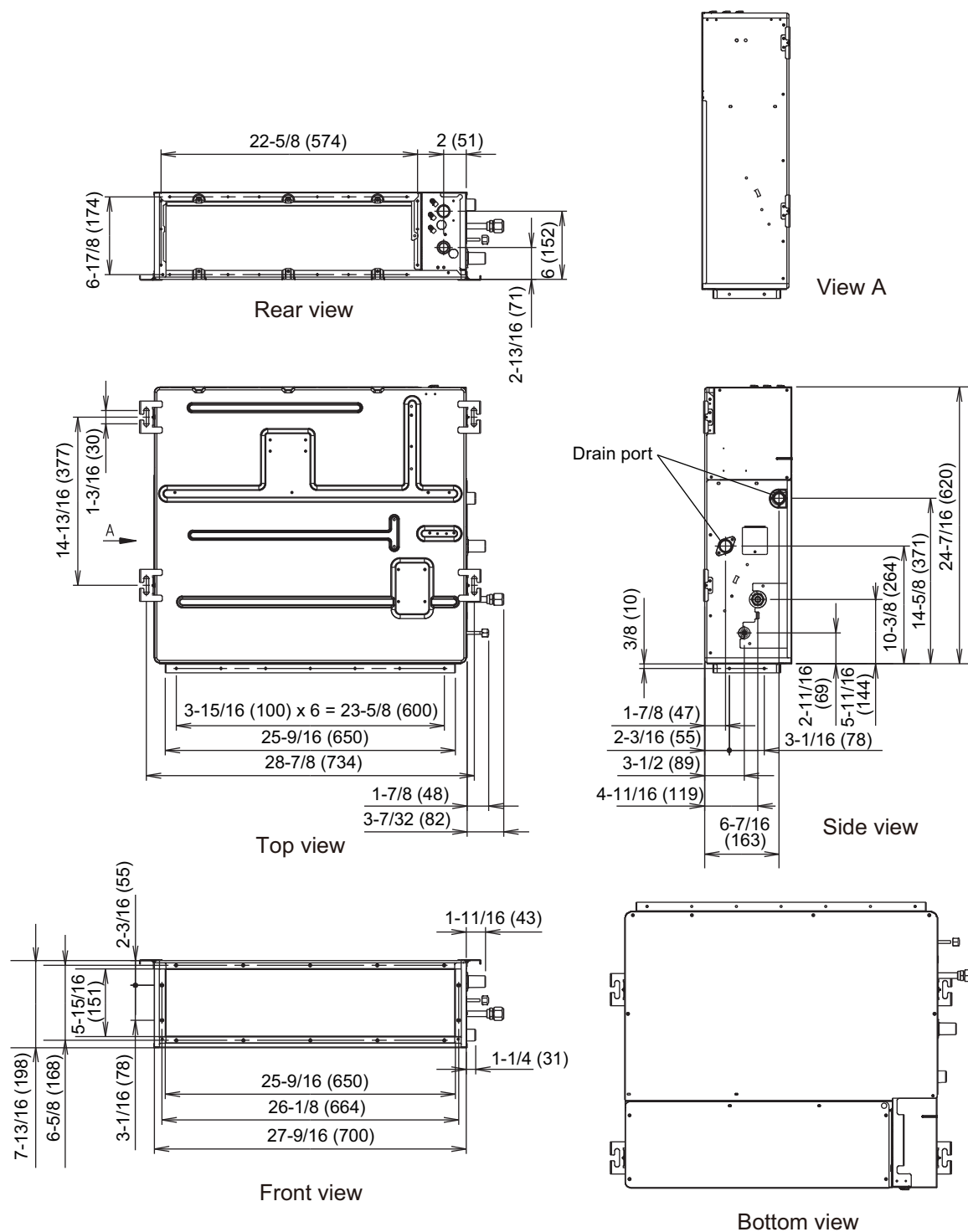
### NOTES:

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

## 3-2. Slim duct type

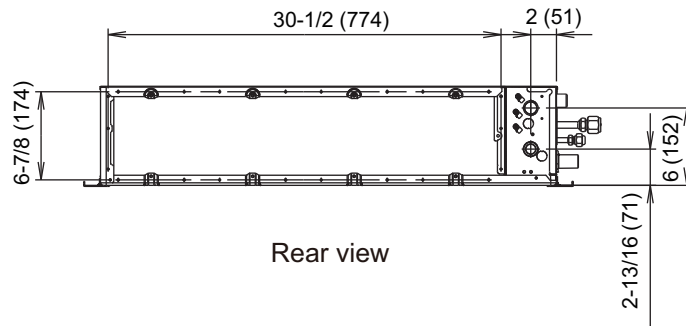
### ■ Models: ADUH07LUAS1, ADUH09LUAS1, and ADUH12LUAS1

Unit: in (mm)

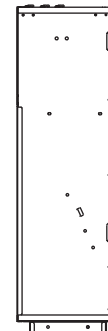


# Model: ADUH18LUAS1

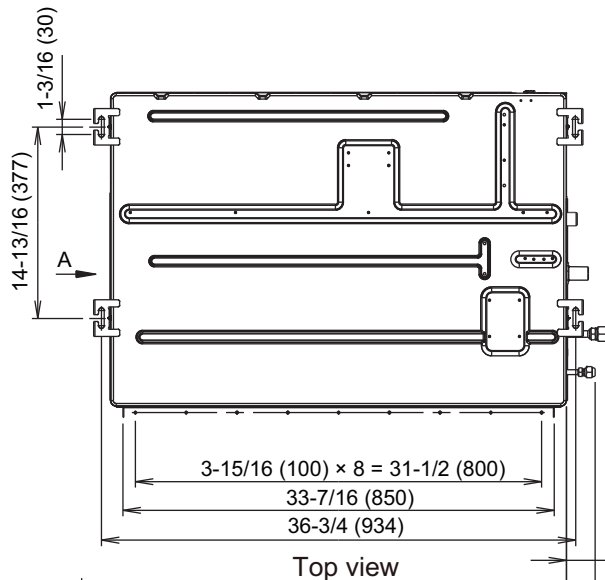
Unit: in (mm)



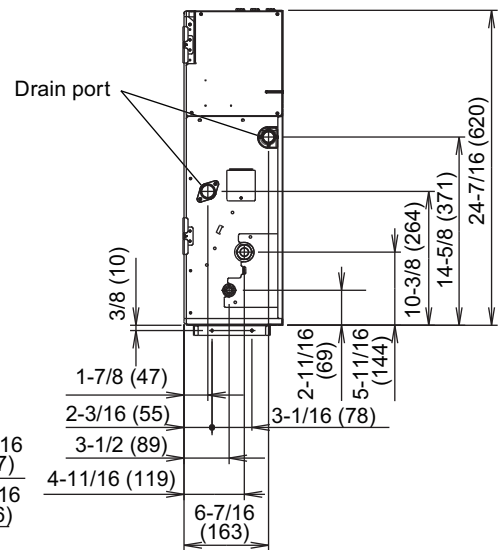
Rear view



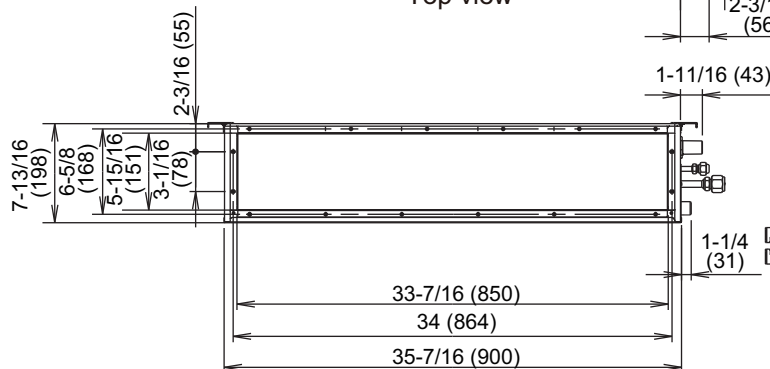
View A



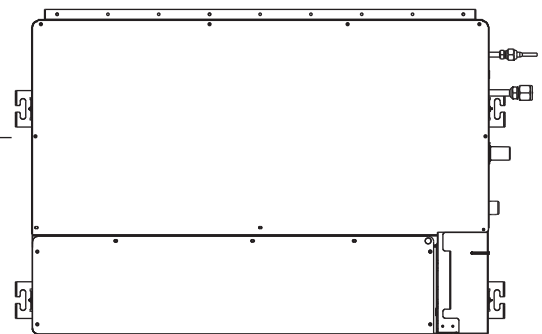
Top view



Side view



Front view

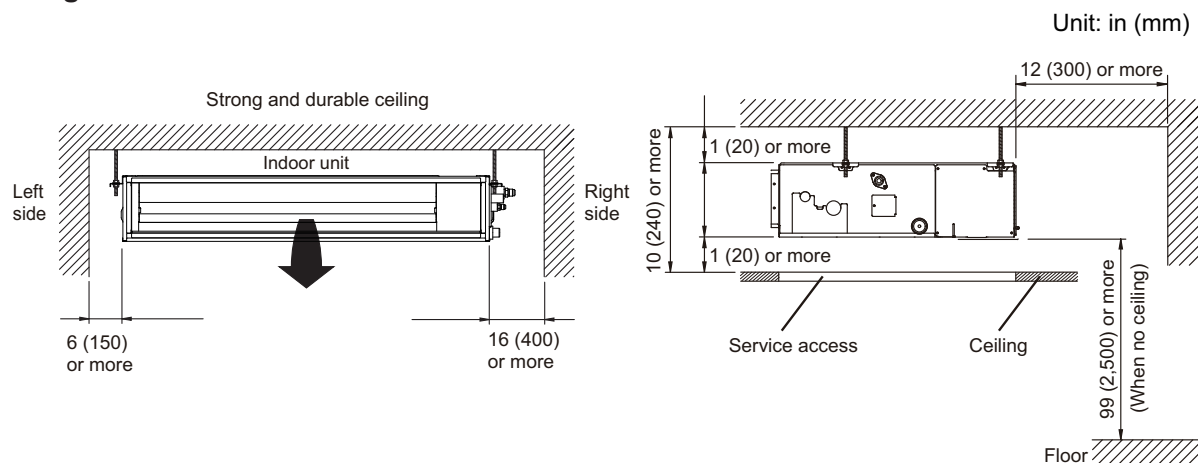


Bottom view

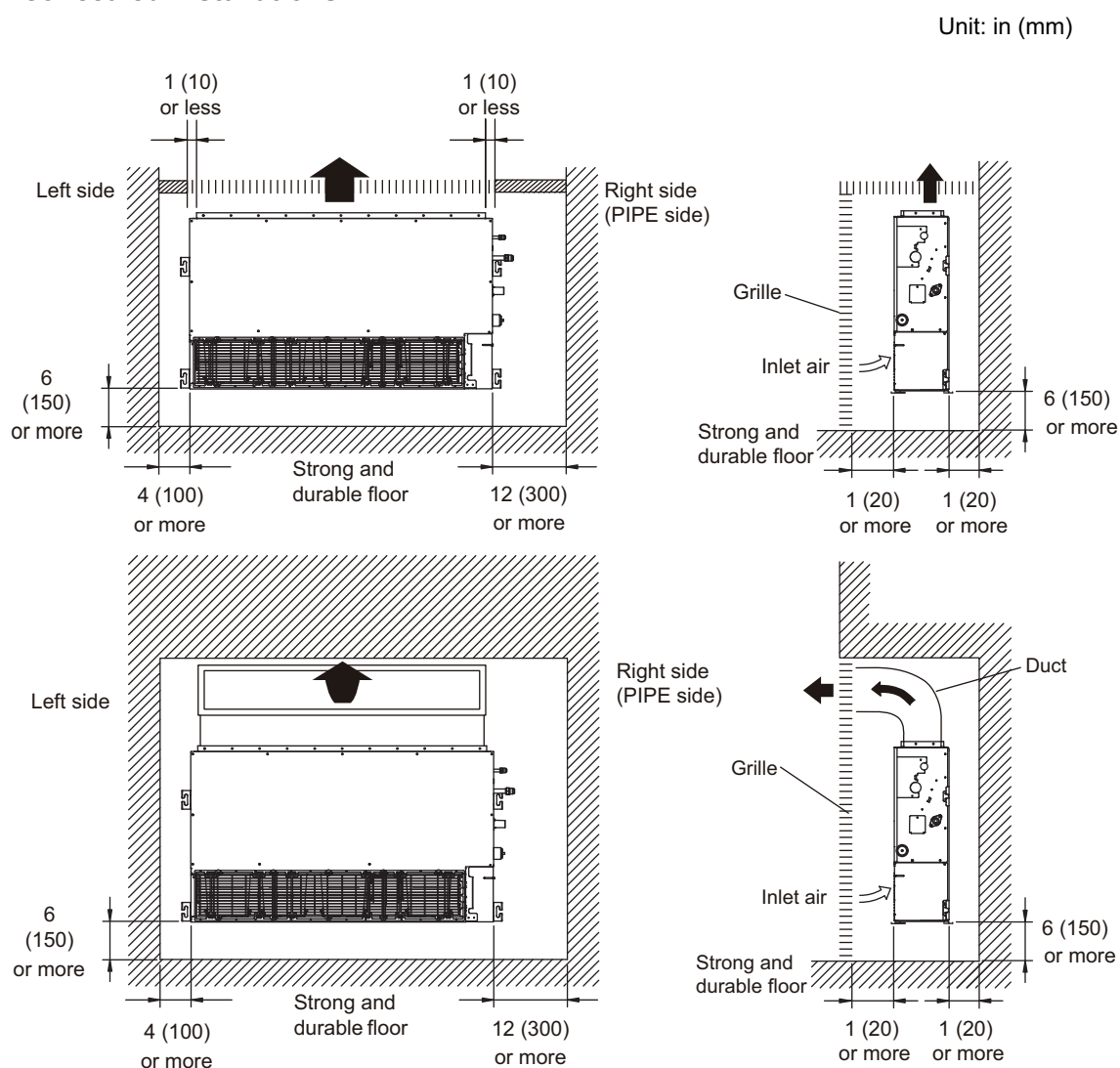
## ■ Installation space requirement

Provide sufficient installation space for product safety.

### In ceiling-concealed installations:



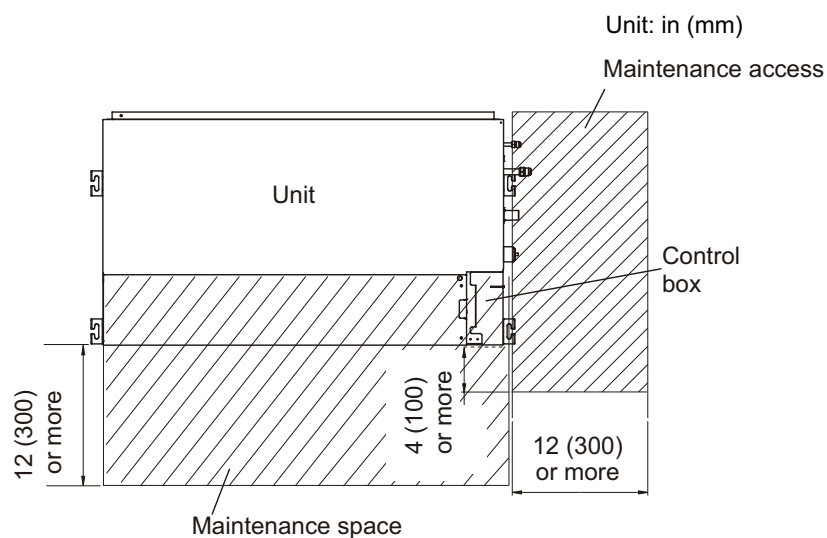
### In wall-concealed installations:



## ■ Maintenance space requirement

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

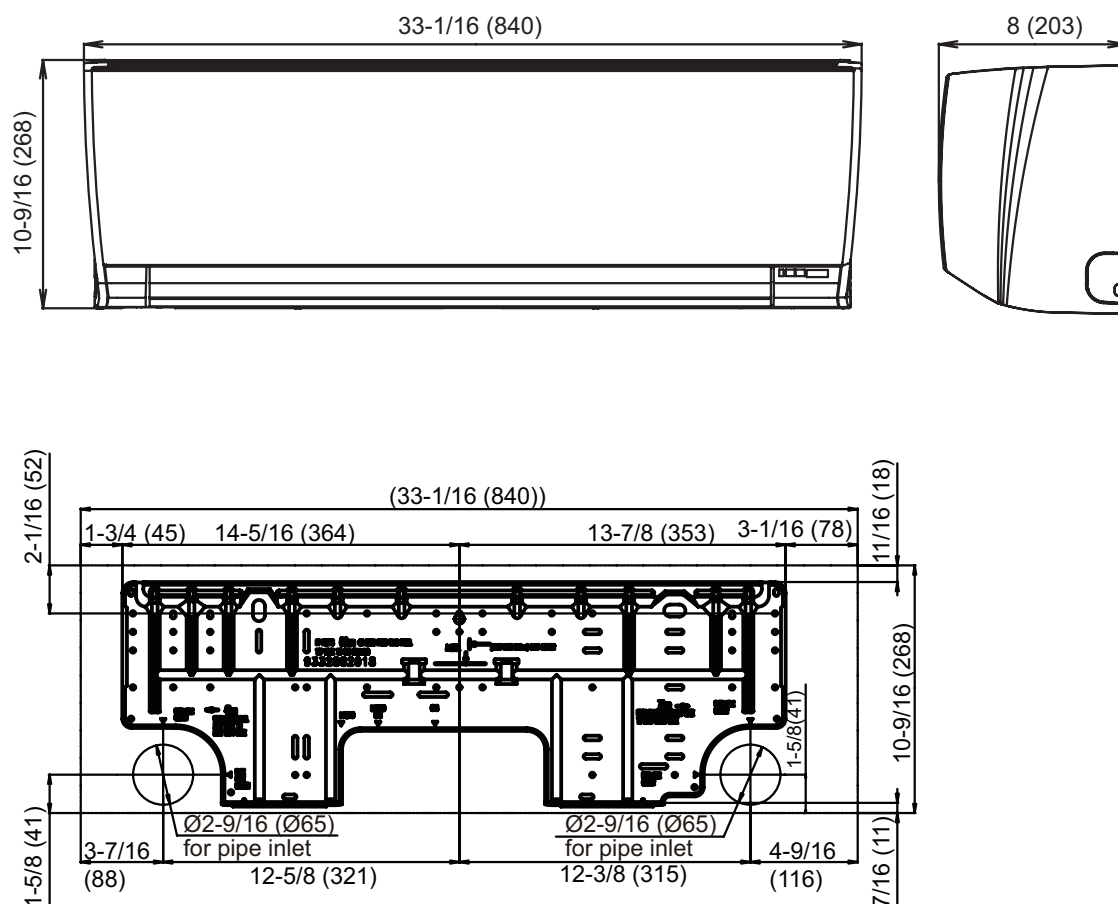
**NOTE:** Do not place any wiring or illumination in the maintenance space, as they will impede service.



### 3-3. Wall mounted type

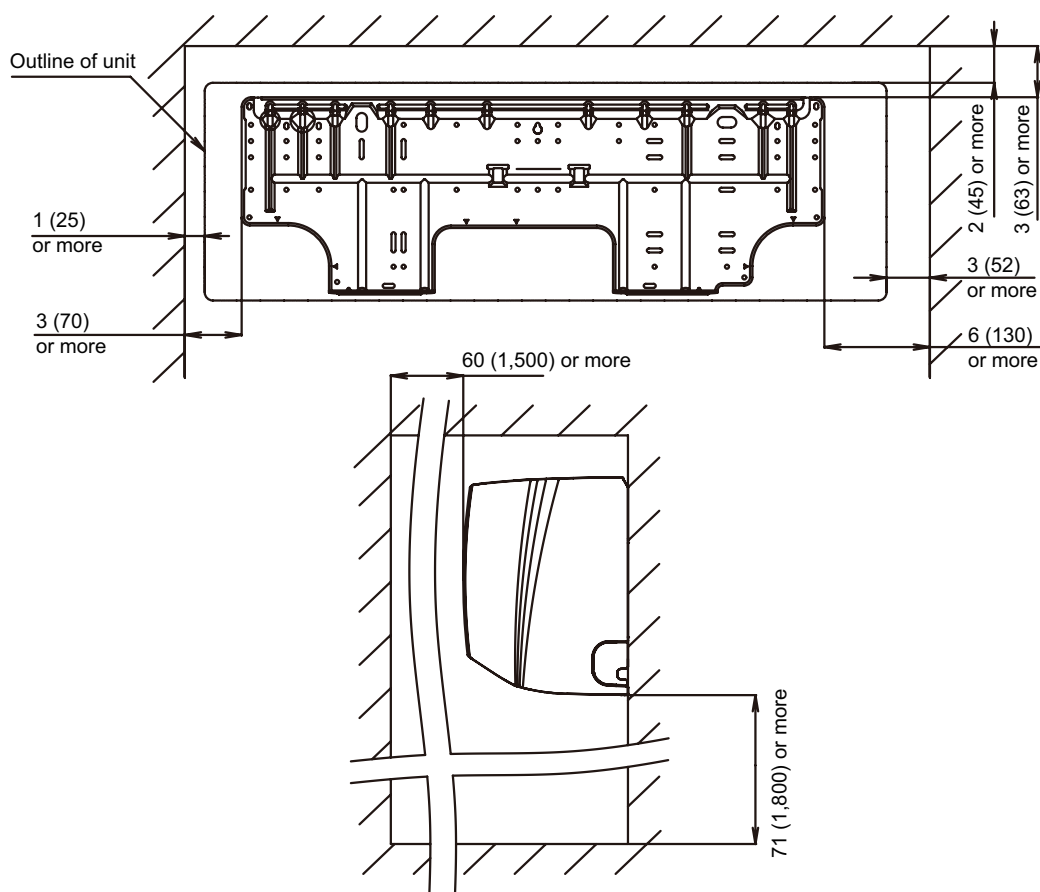
#### ■ Models: ASU7RLF1, ASU9RLF1, ASU12RLF1, and ASU15RLF1

Unit: in (mm)

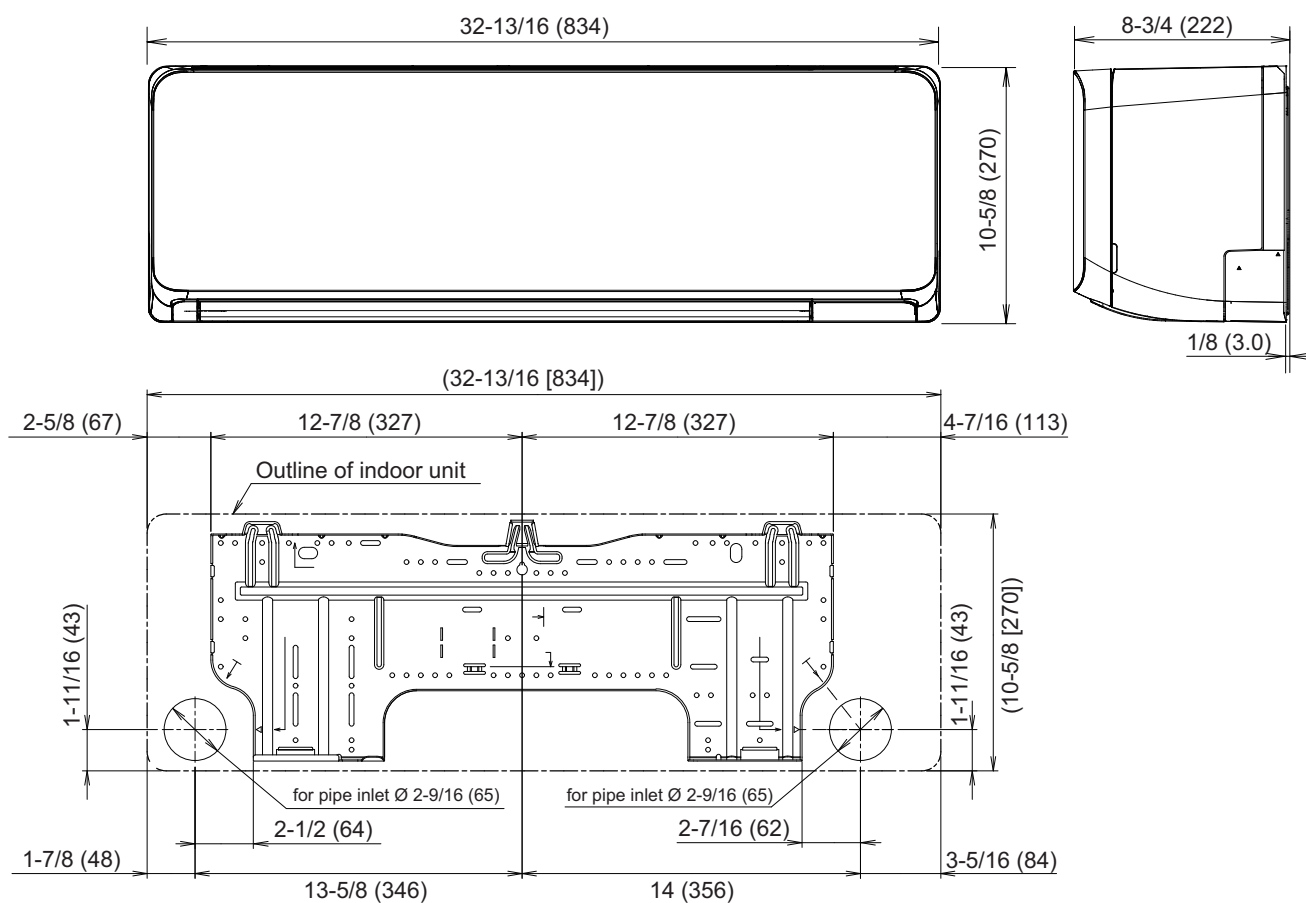


## ● Installation space requirement

Unit: in (mm)



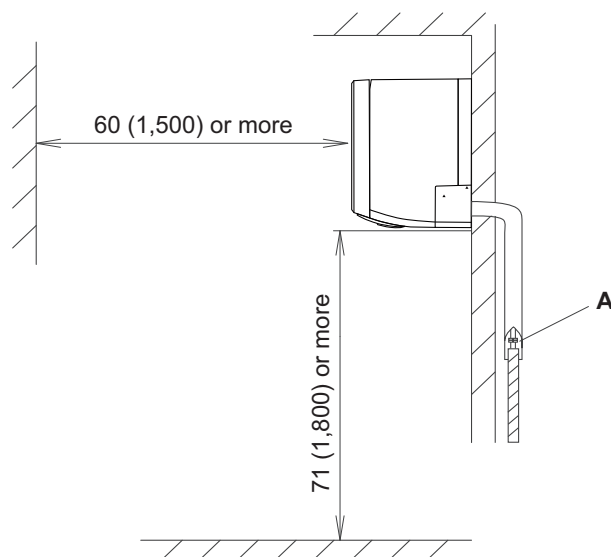
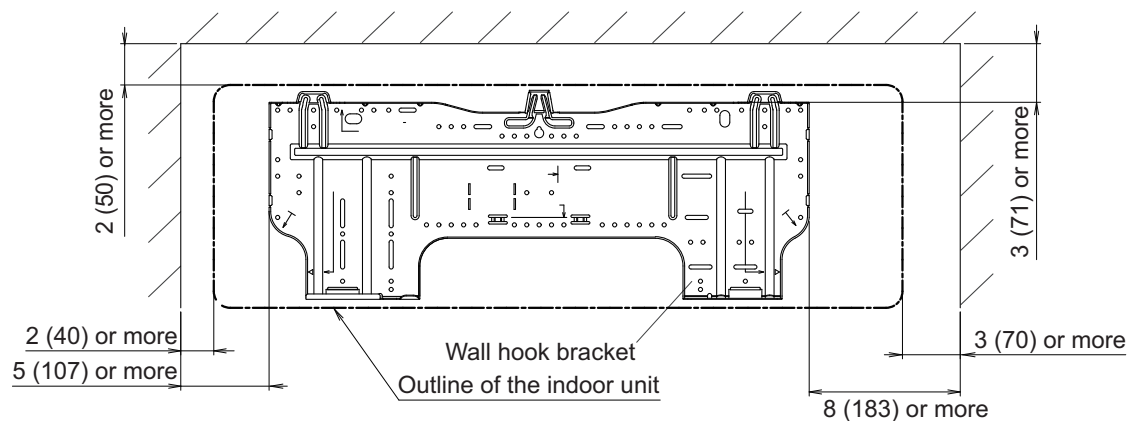
Unit: in (mm)



## ● Installation space requirement

Provide sufficient installation space for product safety.

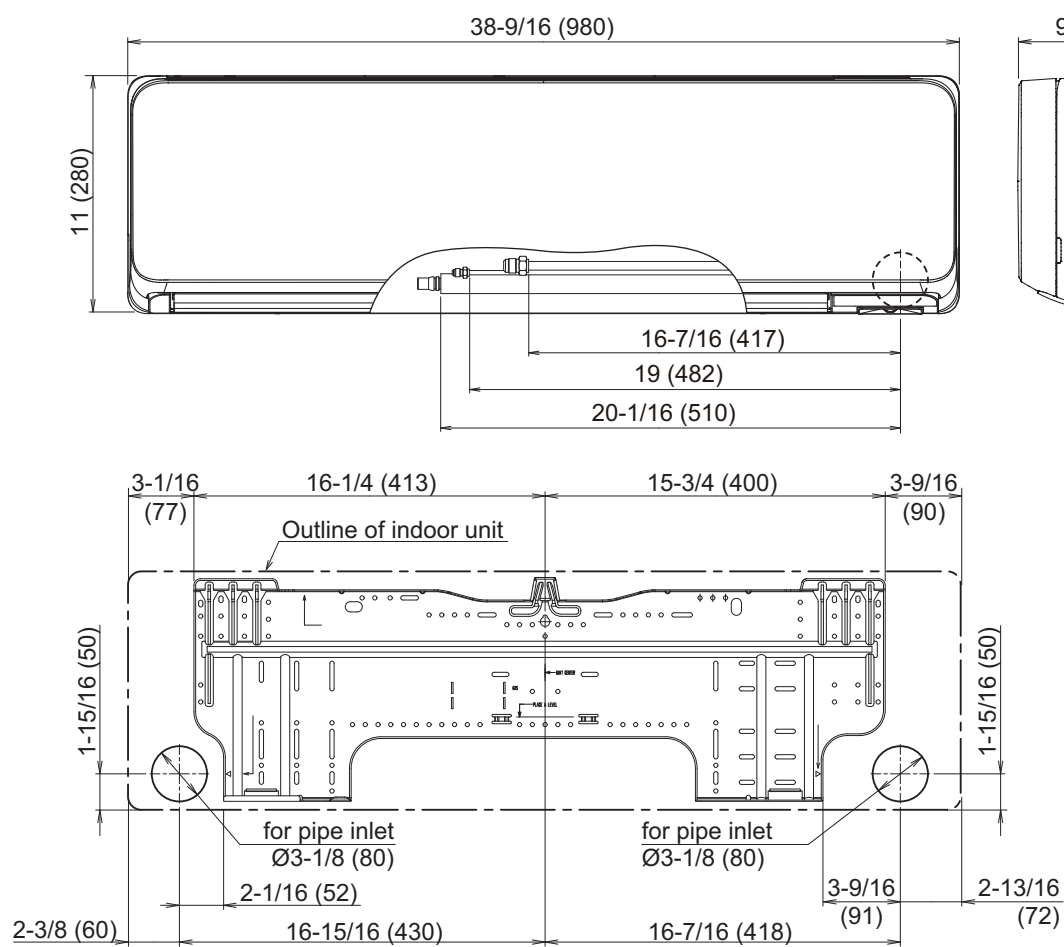
Unit: in (mm)



**A:** Install so that the flare connection part is outdoors.

■ **Model: ASUH18LPAS**

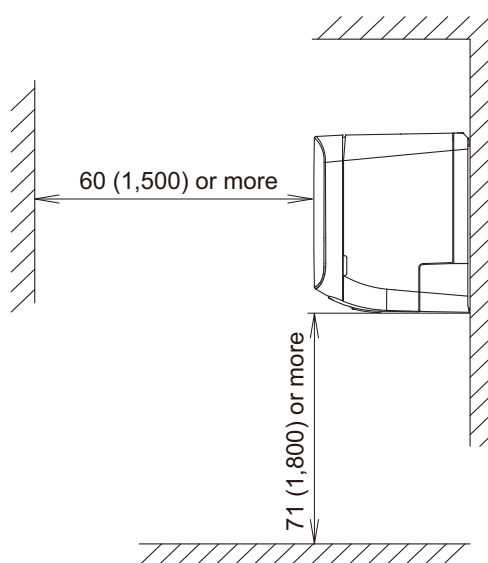
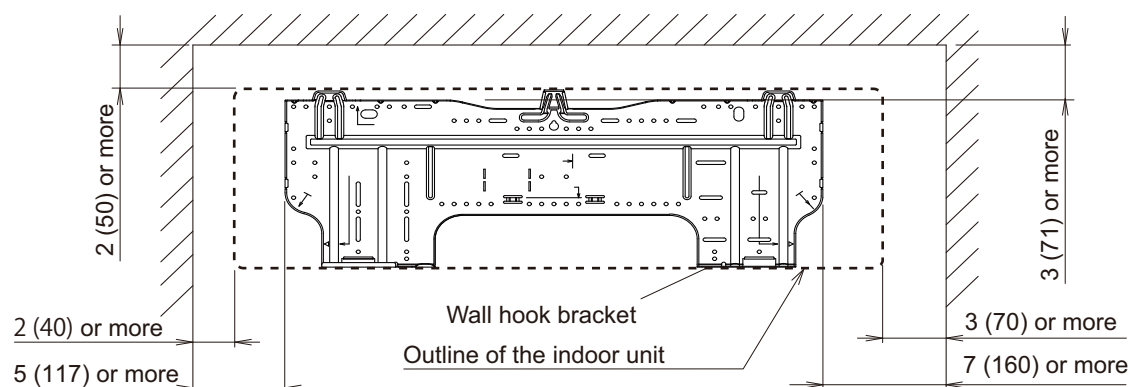
Unit: in (mm)



## ● Installation space requirement

Provide sufficient installation space for product safety.

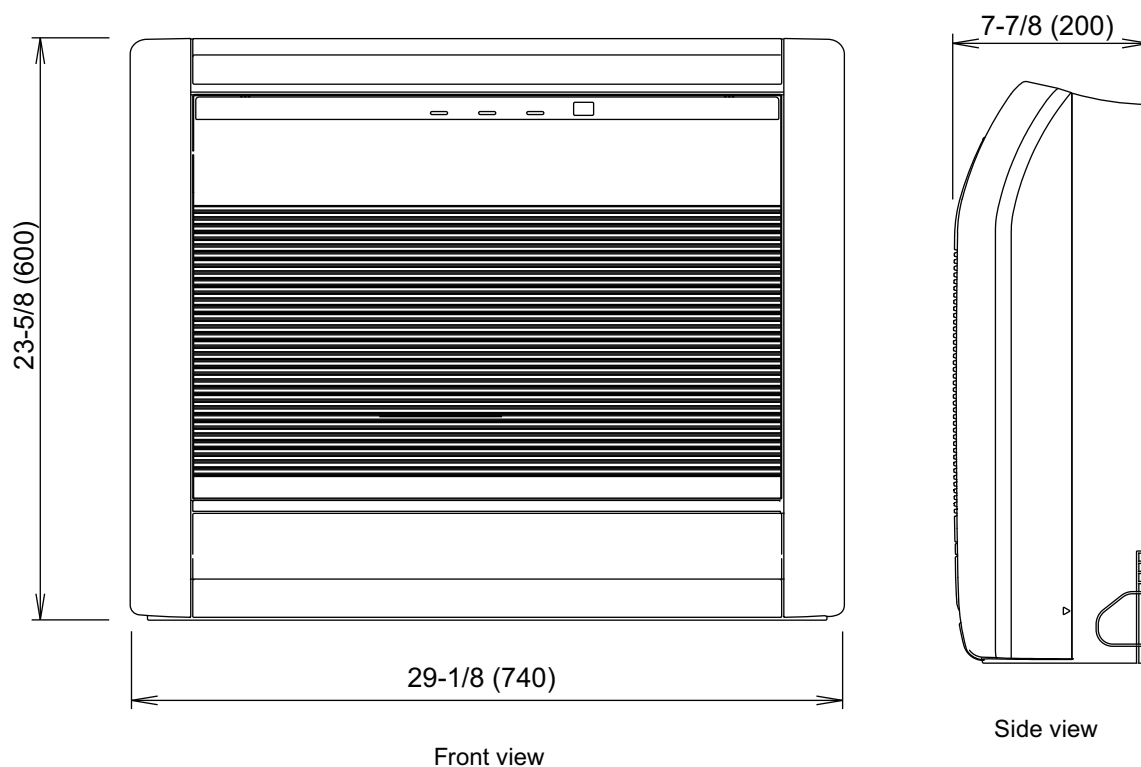
Unit: in (mm)



### 3-4. Floor type

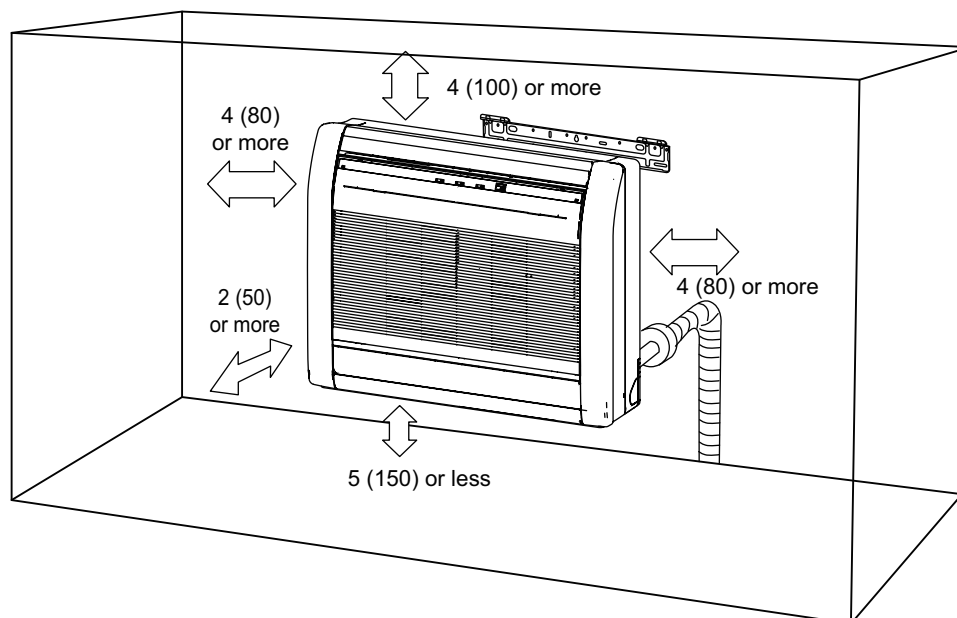
#### ■ Models: AGU9RLF, AGU12RLF, and AGU15RLF

Unit: in (mm)



#### ■ Installation space requirement

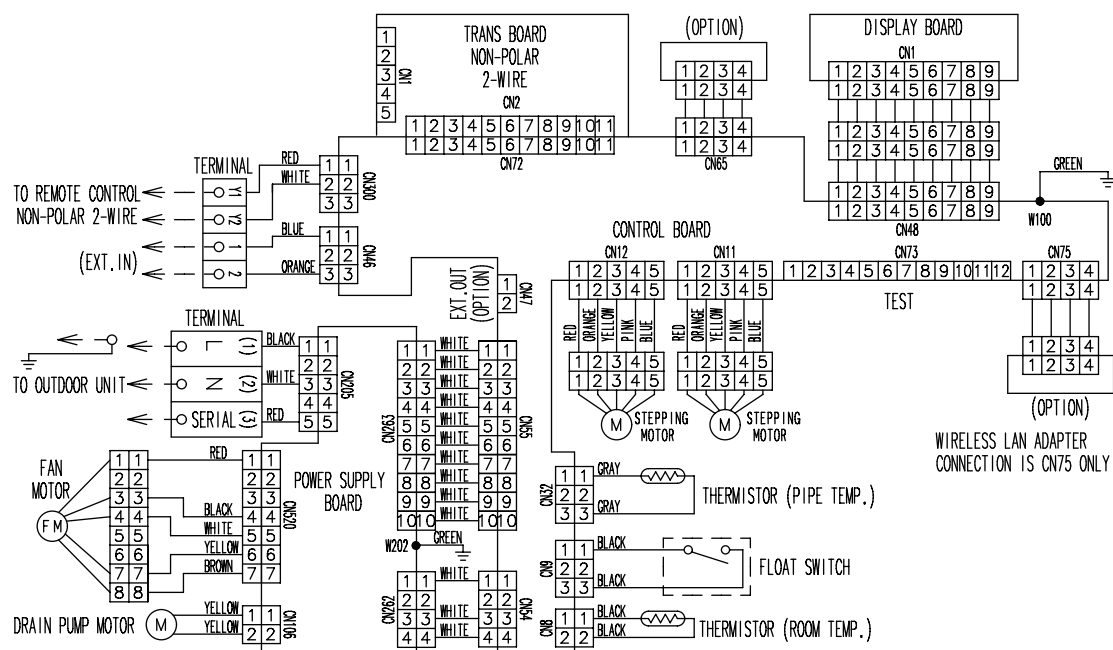
Unit: in (mm)



## 4. Wiring diagrams

### 4-1. Compact cassette type

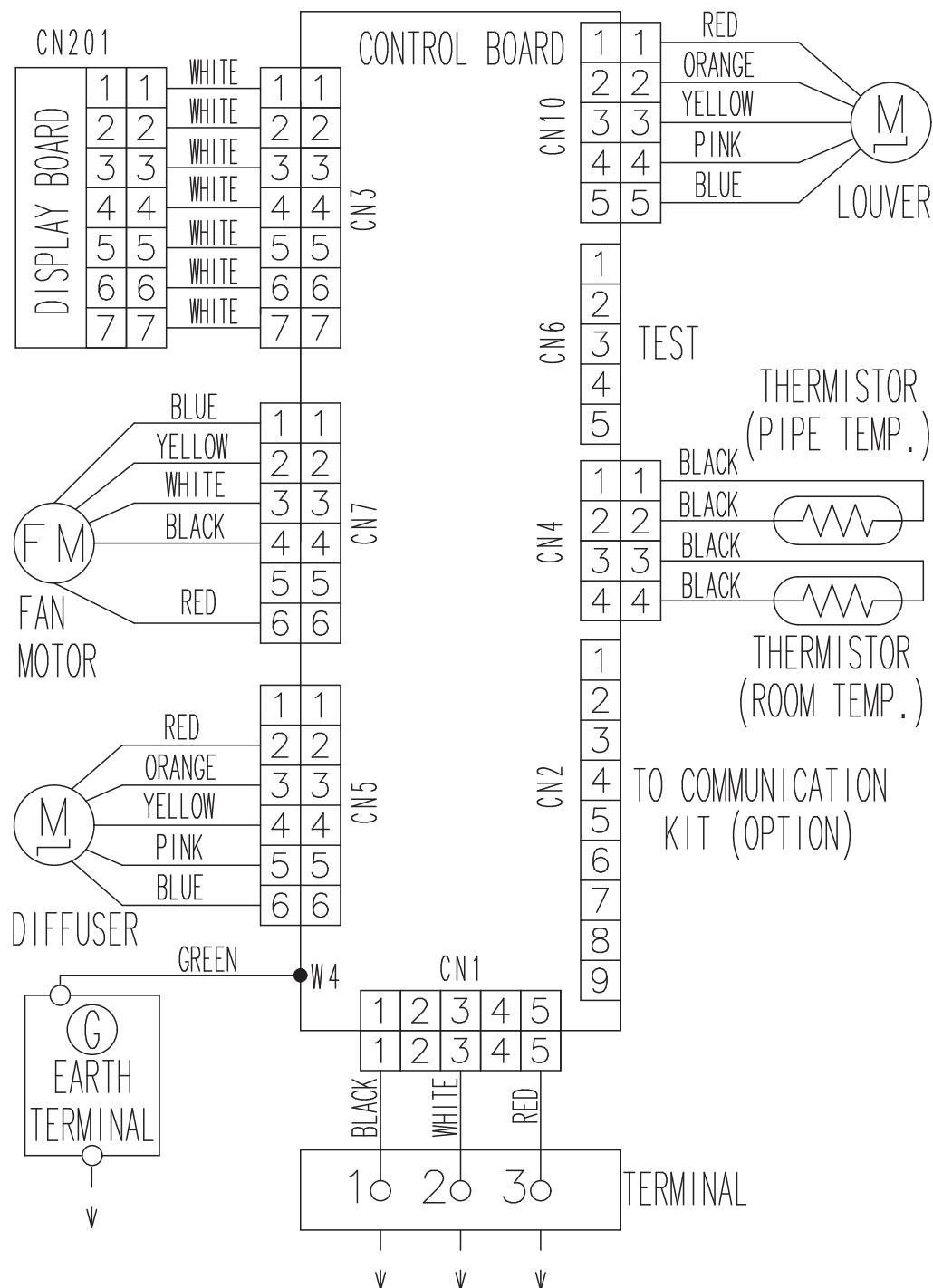
#### ■ Models: ACUH07LUAS1, ACUH09LUAS1, ACUH12LUAS1, and ACUH18LUAS1



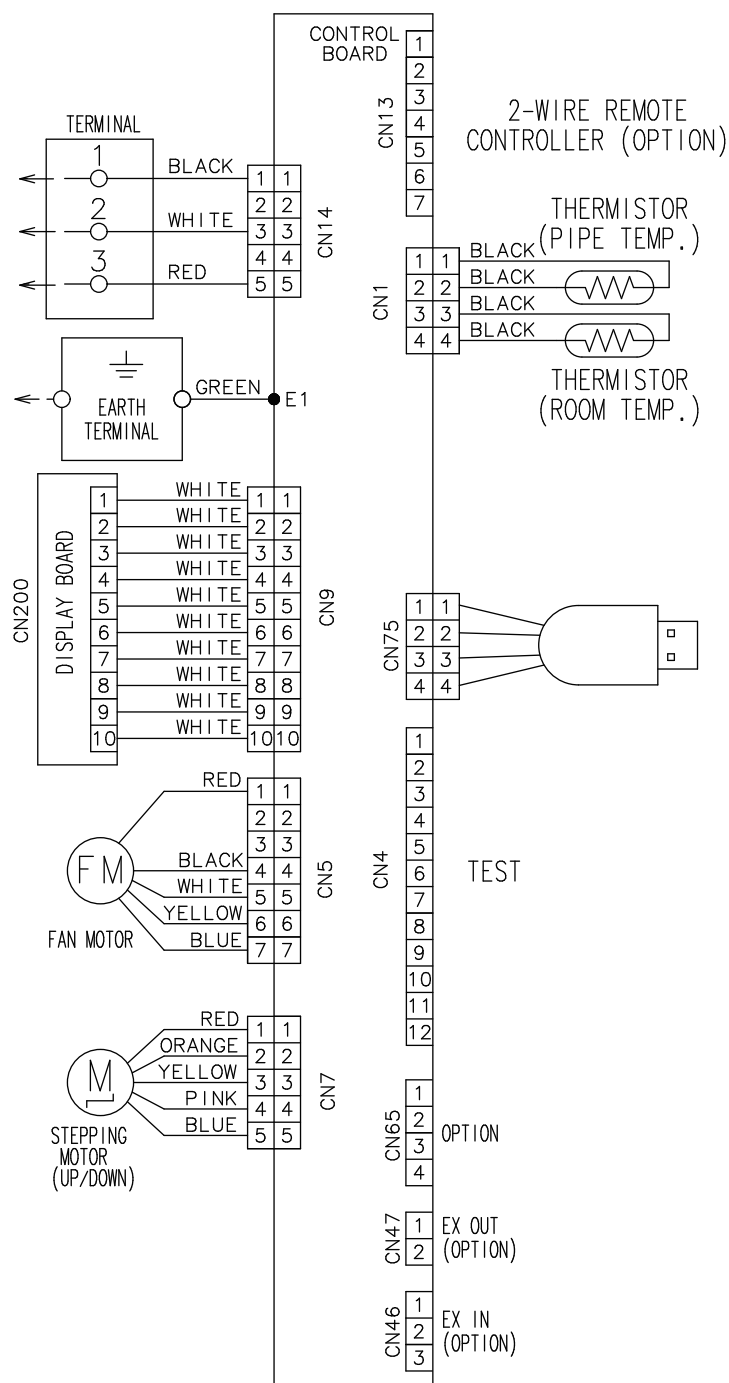


## 4-3. Wall mounted type

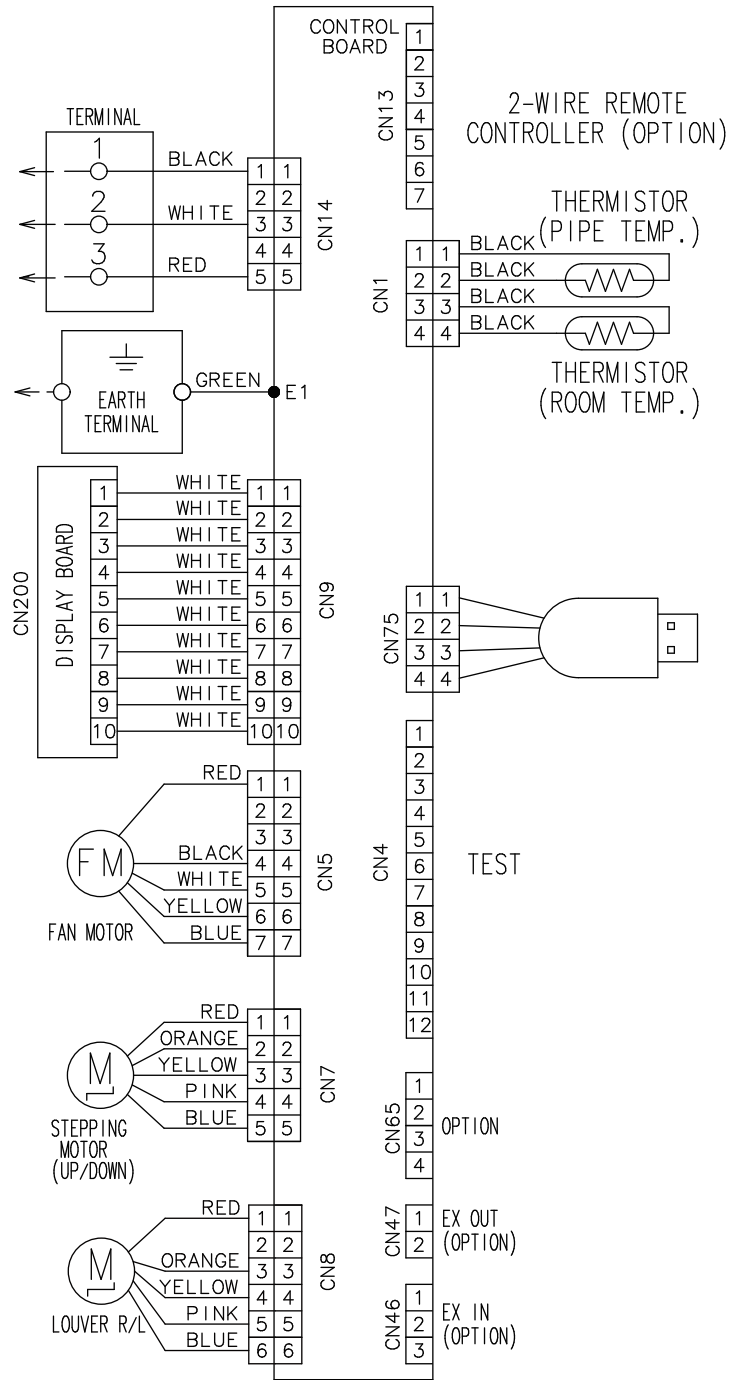
### ■ Models: ASU7RLF1, ASU9RLF1, ASU12RLF1, and ASU15RLF1



# Models: ASUH07LPAS, ASUH09LPAS, ASUH12LPAS, and ASUH15LPAS

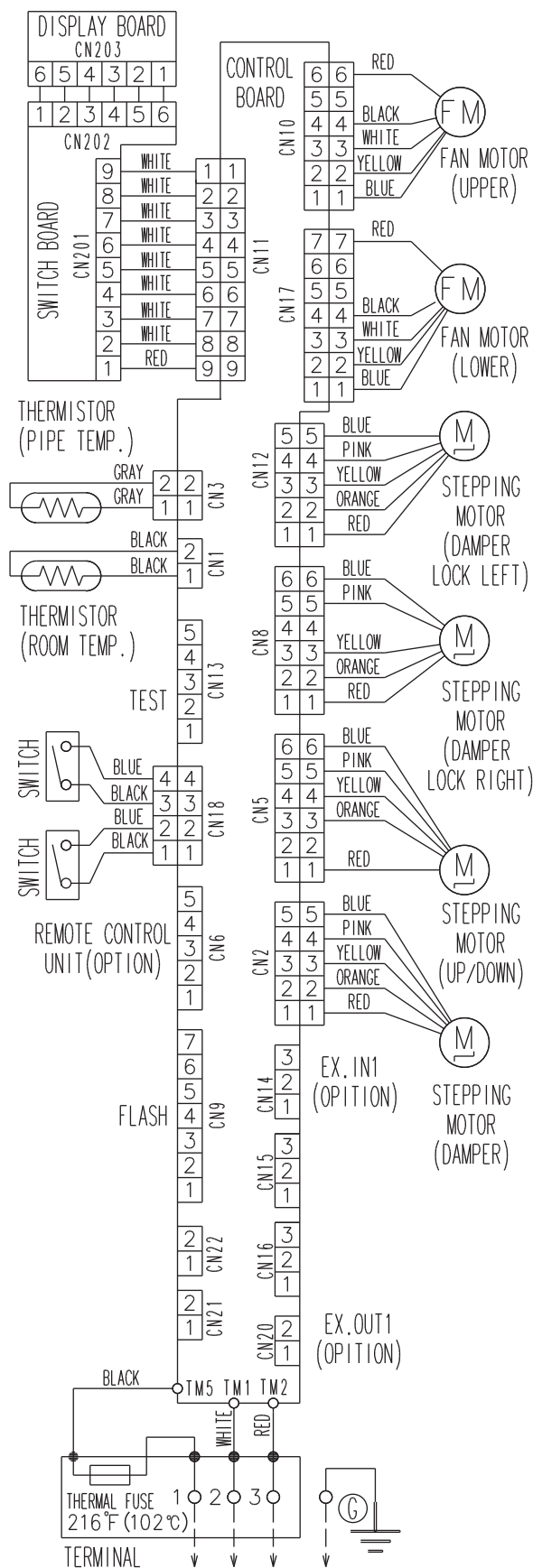


# Model: ASUH18LPAS



## 4-4. Floor type

### ■ Models: AGU9RLF, AGU12RLF, and AGU15RLF



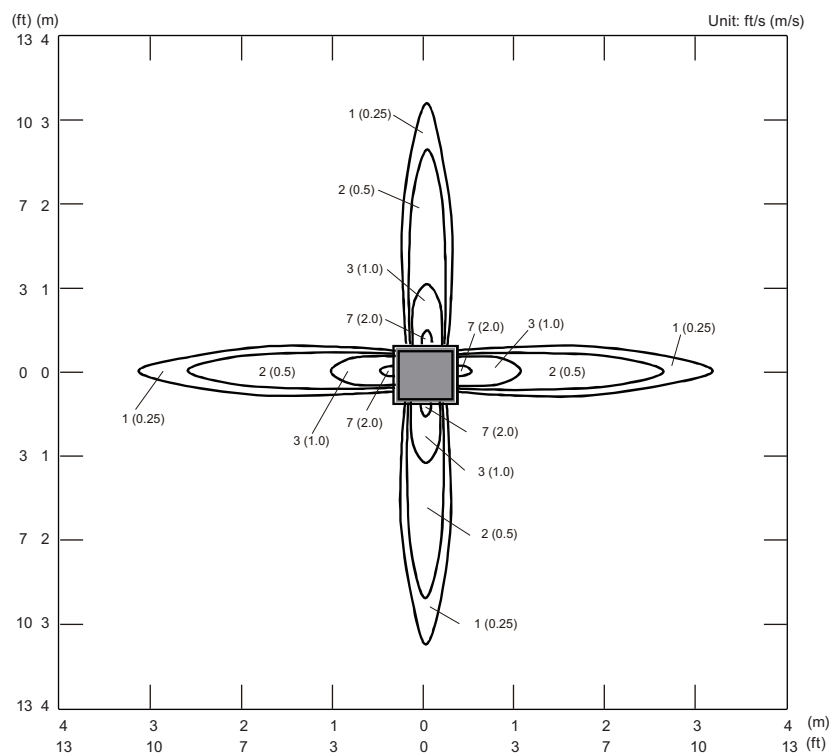
## 5. Air velocity and temperature distributions

### 5-1. Compact cassette type

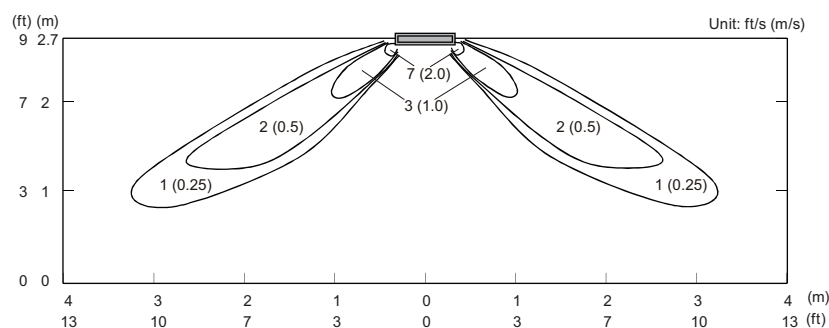
#### ■ Model: ACUH07LUAS1 (4-way air outlet)

Measuring conditions	Fan speed	Operation mode	Ceiling mode
	HIGH	FAN	STANDARD

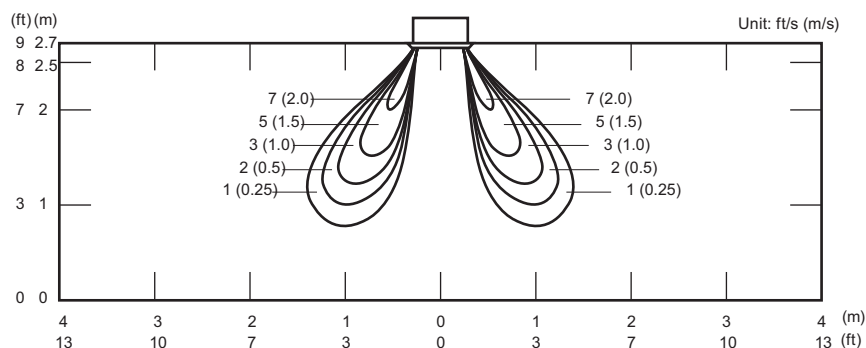
Top view  
Horizontal louver: Upward



Side view  
Horizontal louver: Upward



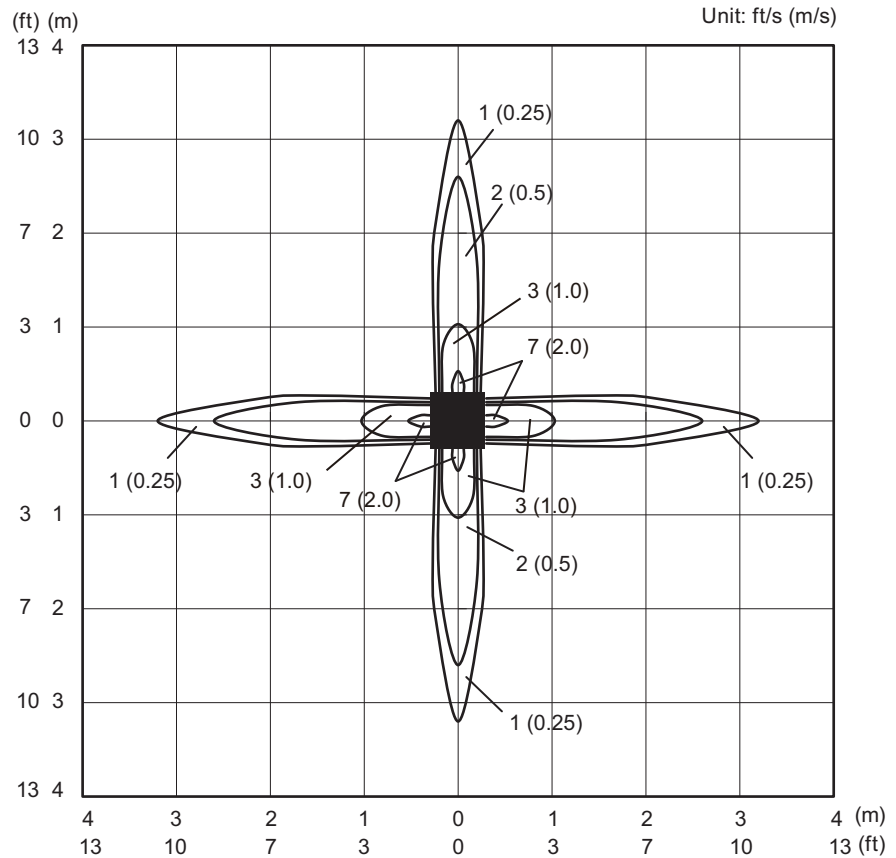
Side view  
Horizontal louver: Downward



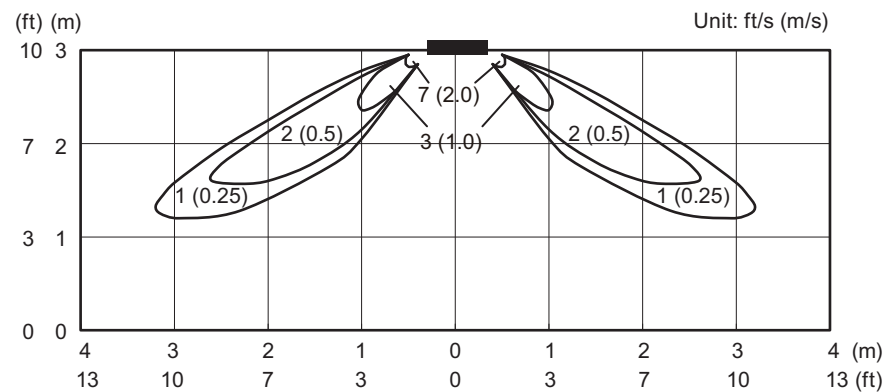
## Model: ACUH09LUAS1 (4-way air outlet)

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

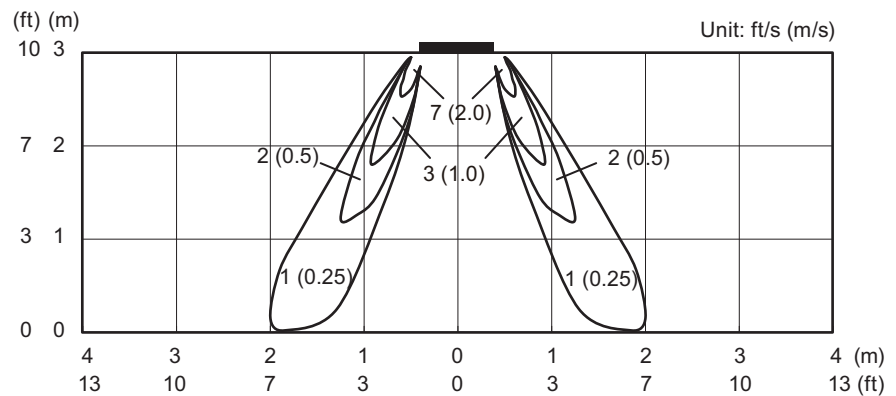
Top view  
Horizontal louver: Upward



Side view  
Horizontal louver: Upward



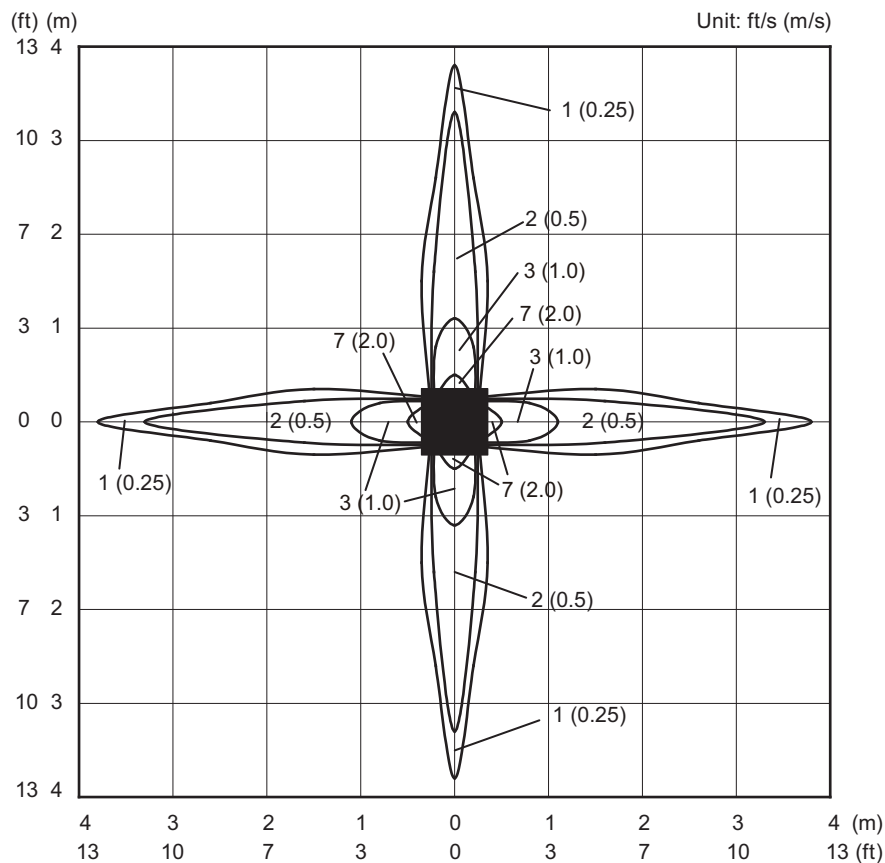
Side view  
Horizontal louver: Downward



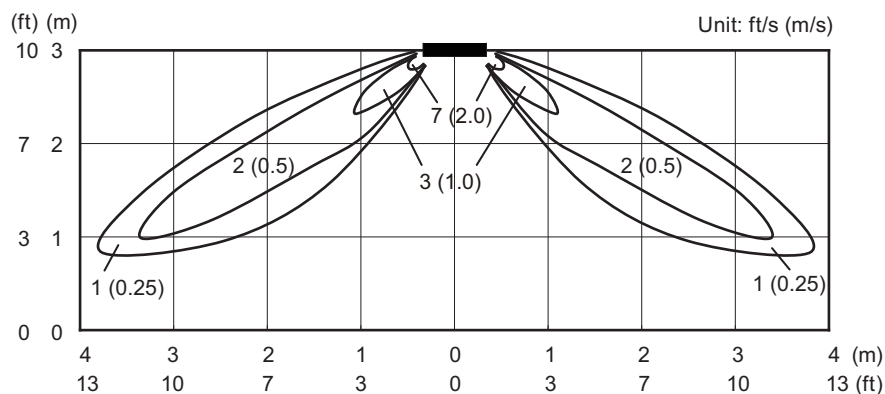
# Model: ACUH12LUAS1 (4-way air outlet)

Measuring conditions	Fan speed	Operation mode	Ceiling mode
	HIGH	FAN	STANDARD

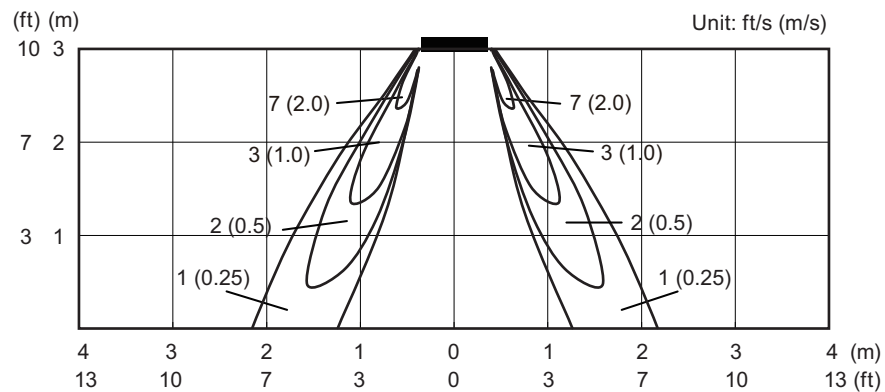
Top view  
Horizontal louver: Upward



Side view  
Horizontal louver: Upward



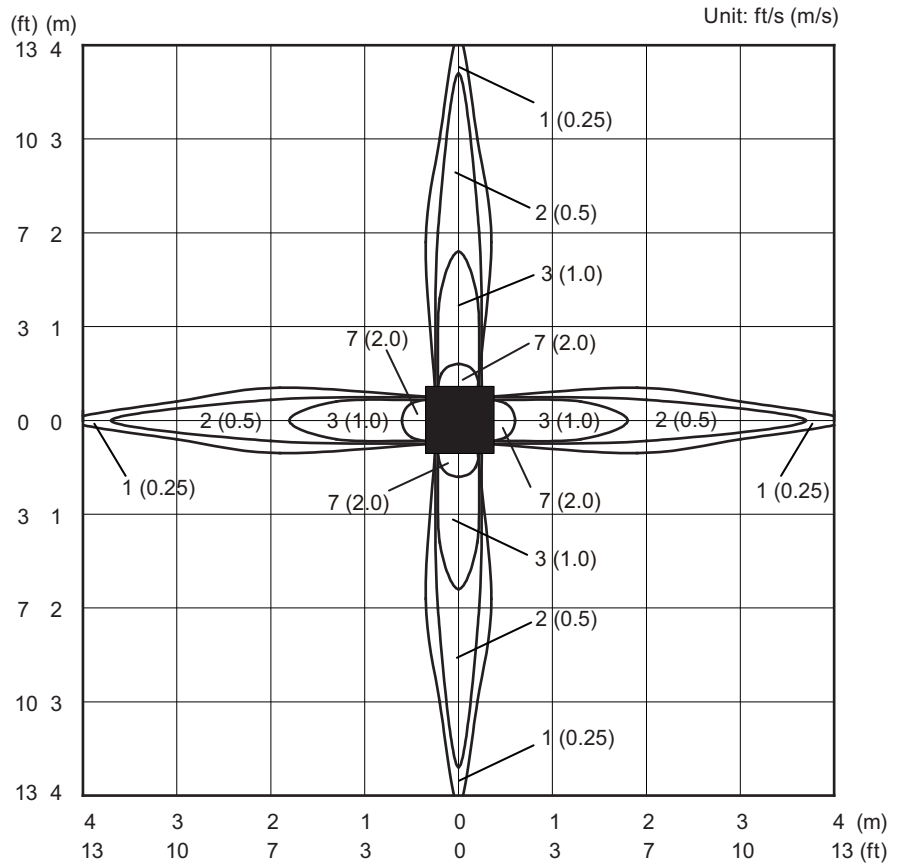
Side view  
Horizontal louver: Downward



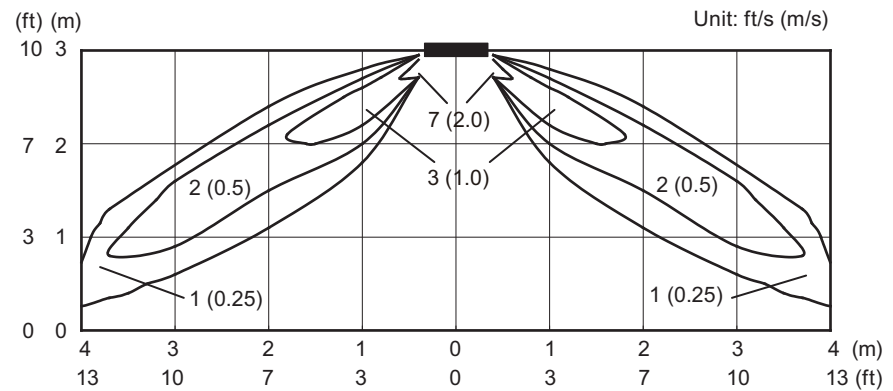
# Model: ACUH18LUAS1 (4-way air outlet)

Measuring conditions	Fan speed	Operation mode	Ceiling mode
	HIGH	FAN	STANDARD

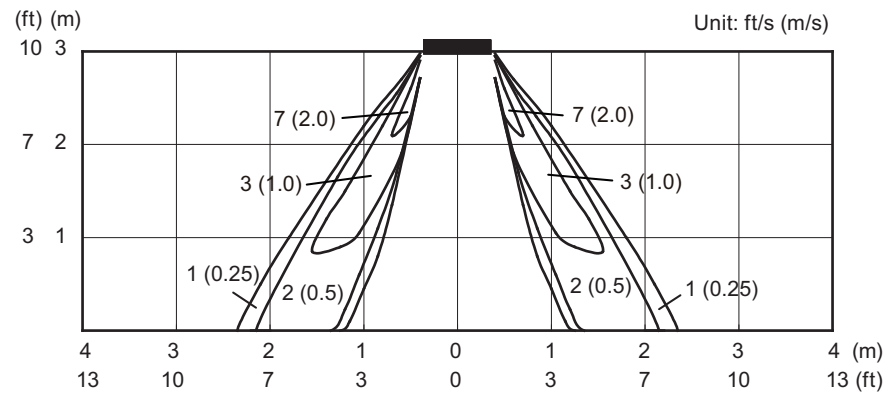
Top view  
Horizontal louver: Upward



Side view  
Horizontal louver: Upward



Side view  
Horizontal louver: Downward



## 5-2. Slim duct type

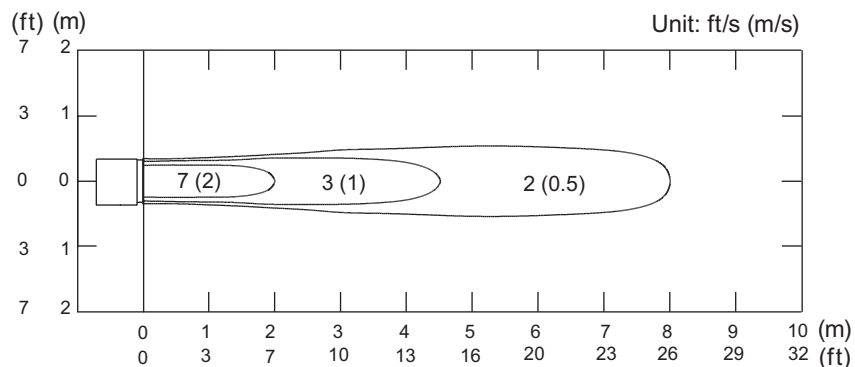
### ■ Model: ADUH07LUAS1

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

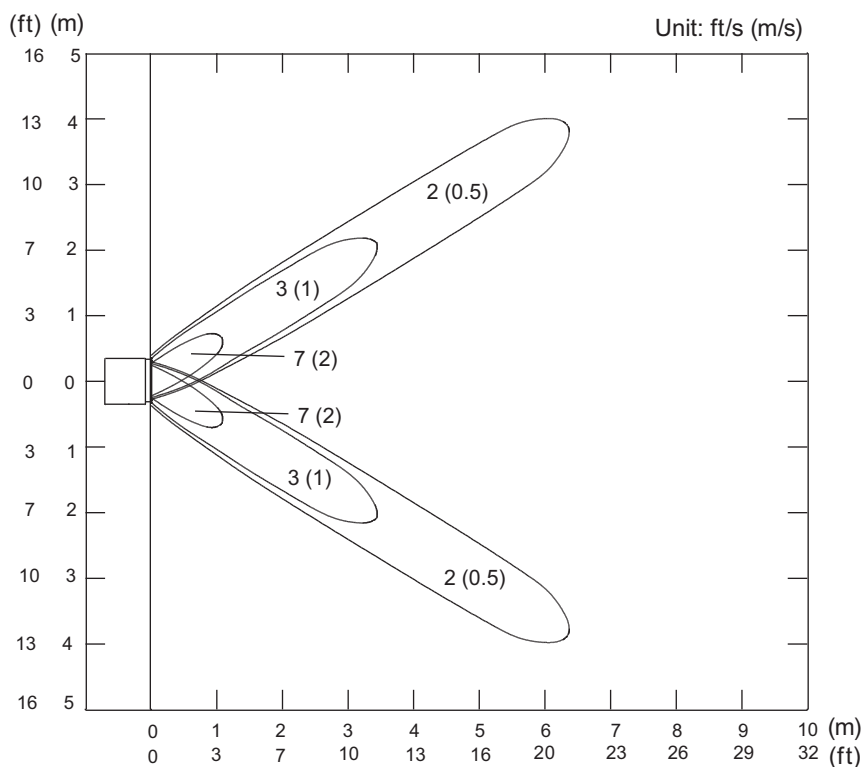
Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

- Air velocity distribution

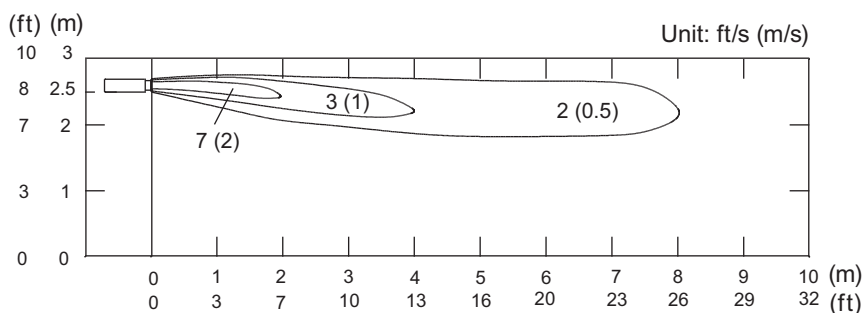
Top view  
Horizontal louver: Up  
Vertical louver: Center



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



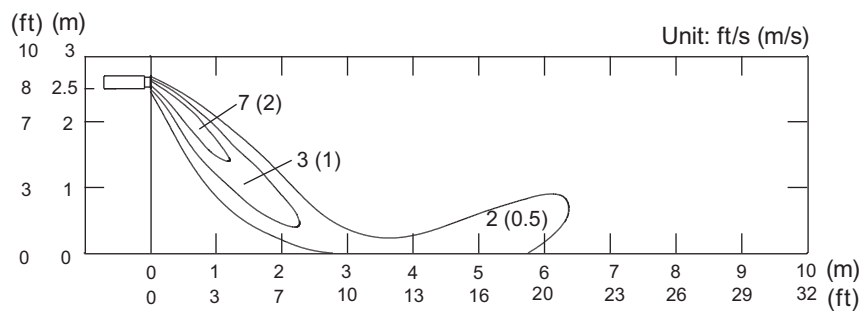
Side view  
Horizontal louver: Up  
Vertical louver: Center



Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT

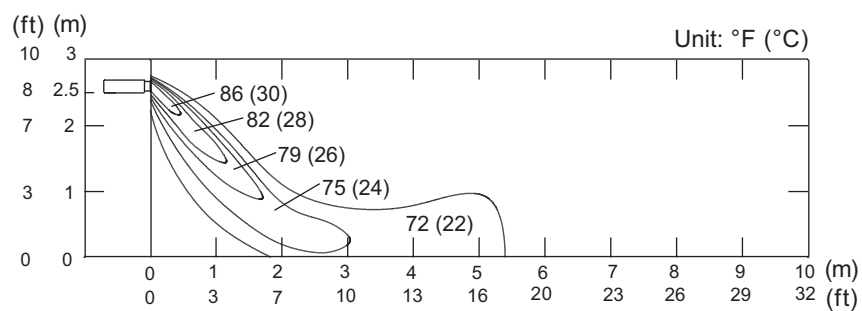
- Air velocity distribution

Side view  
Horizontal louver: Down  
Vertical louver: Center



- Air temperature distribution

Side view  
Horizontal louver: Down  
Vertical louver: Center



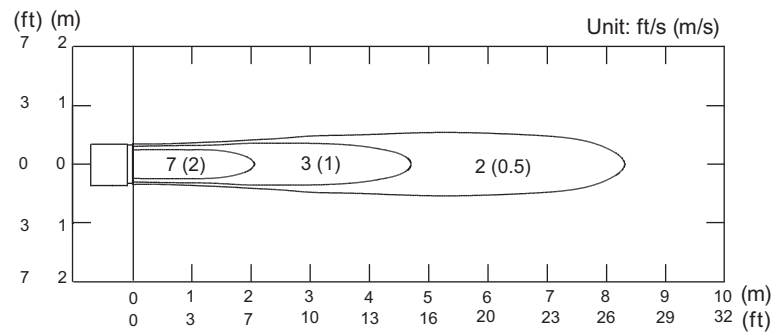
## Model: ADUH09LUAS1

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

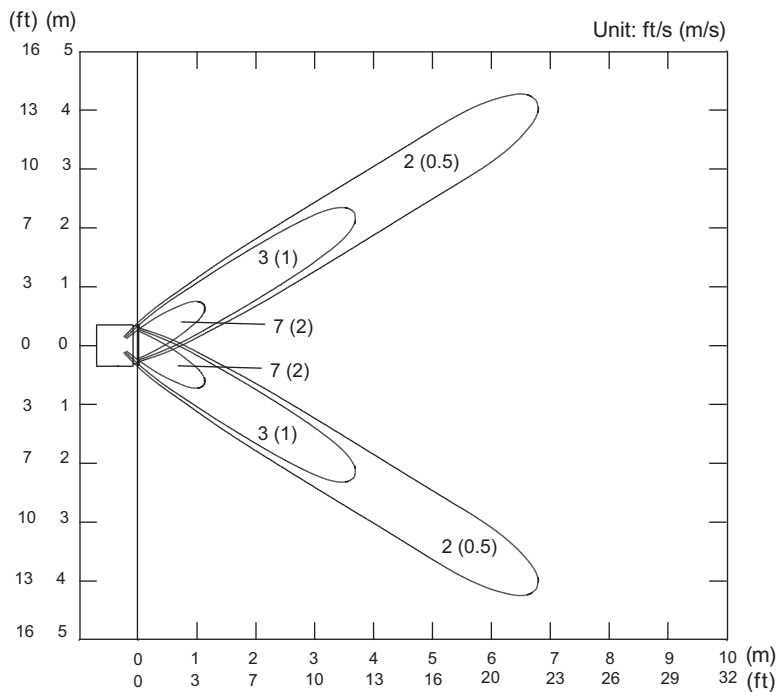
Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

- Air velocity distribution

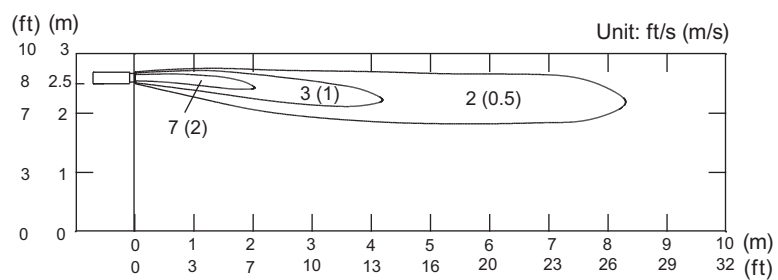
Top view  
Horizontal louver: Up  
Vertical louver: Center



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



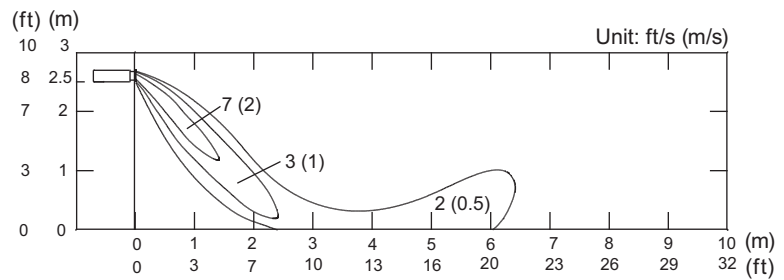
Side view  
Horizontal louver: Up  
Vertical louver: Center



Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT

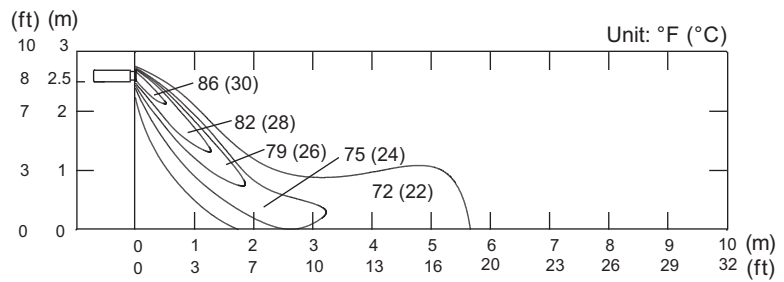
- Air velocity distribution

Side view  
Horizontal louver: Down  
Vertical louver: Center



- Air temperature distribution

Side view  
Horizontal louver: Down  
Vertical louver: Center



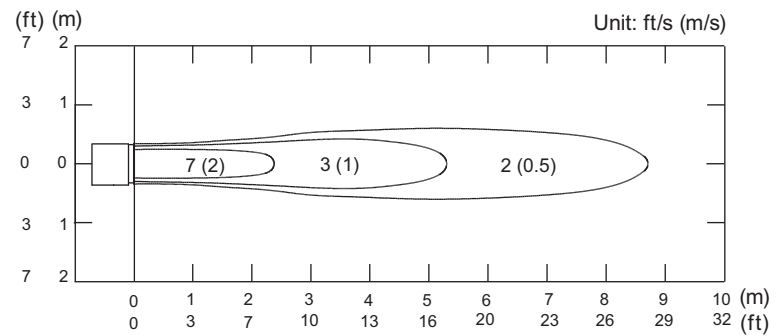
## Model: ADUH12LUAS1

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

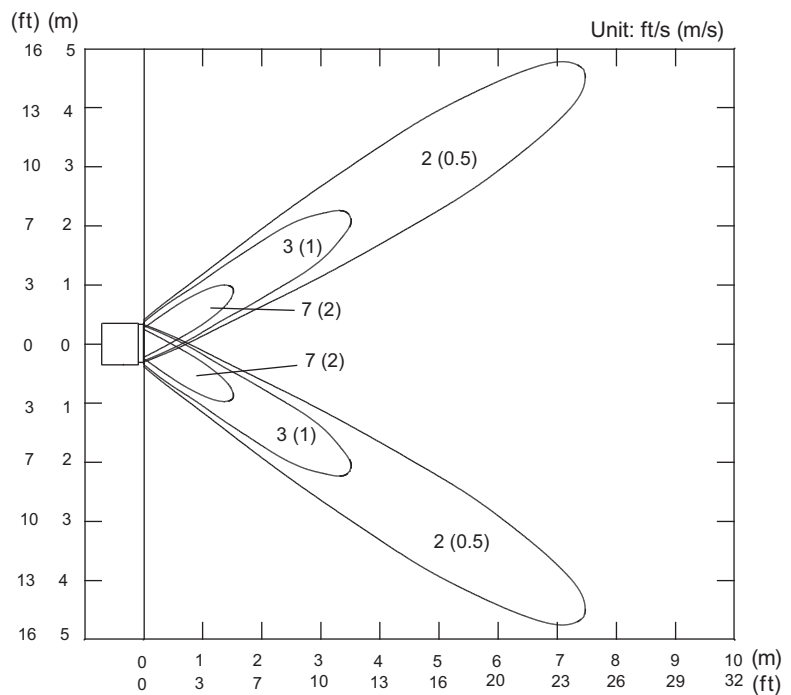
Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

- Air velocity distribution

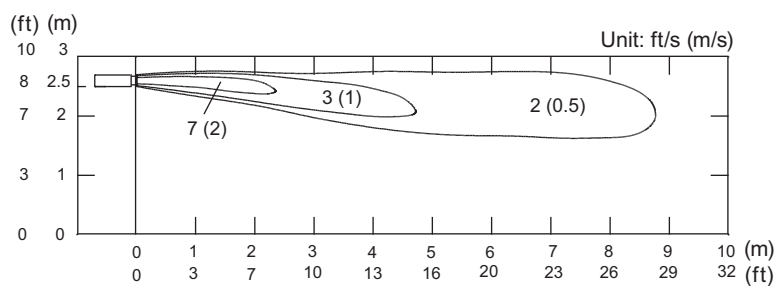
Top view  
Horizontal louver: Up  
Vertical louver: Center



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



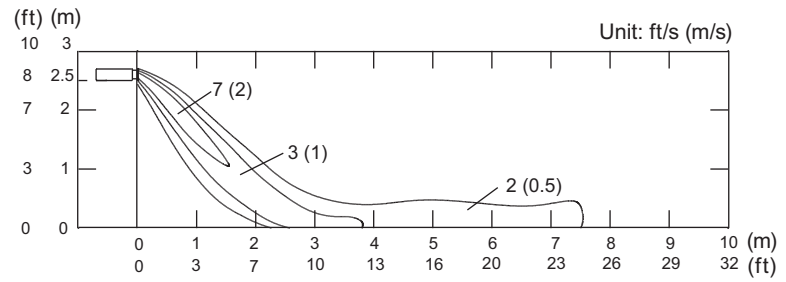
Side view  
Horizontal louver: Up  
Vertical louver: Center



Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT

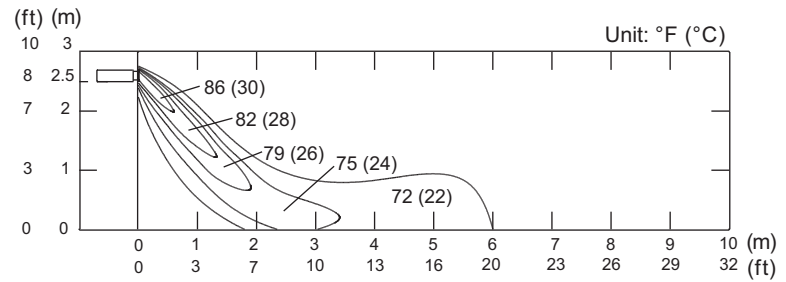
- Air velocity distribution

Side view  
Horizontal louver: Down  
Vertical louver: Center



- Air temperature distribution

Side view  
Horizontal louver: Down  
Vertical louver: Center



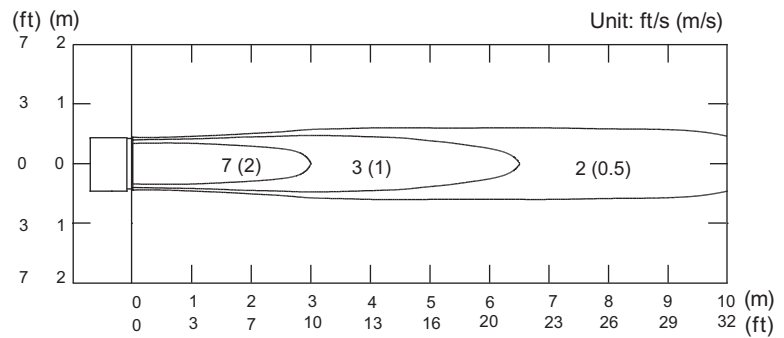
## Model: ADUH18LUAS1

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

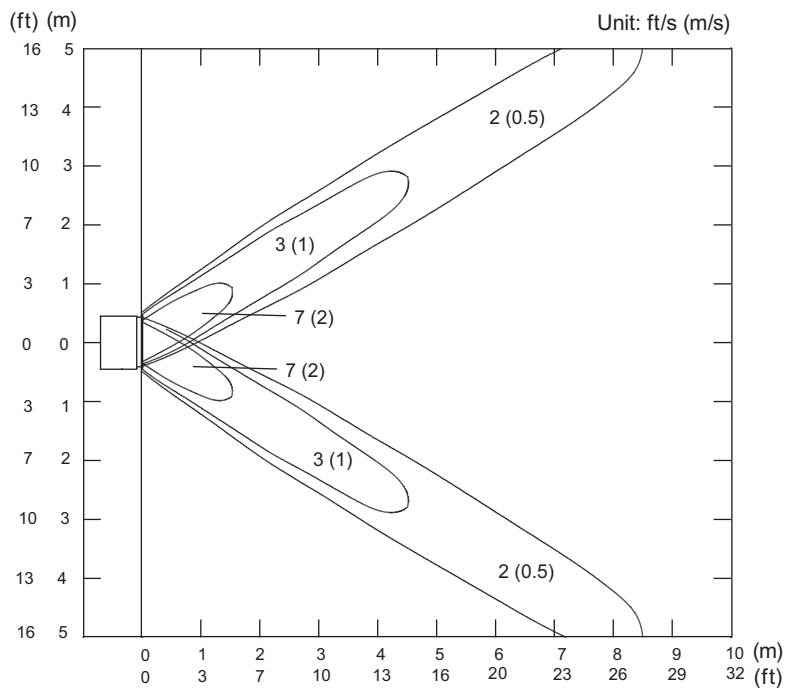
Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

- Air velocity distribution

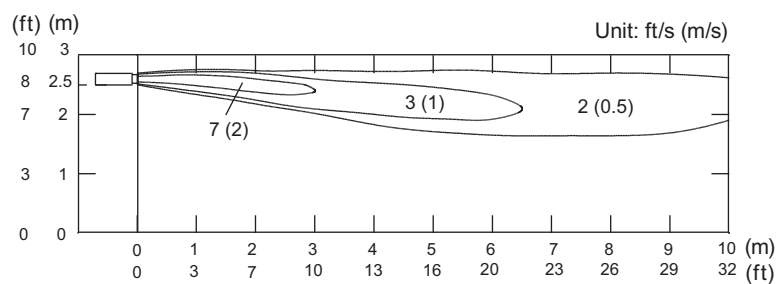
Top view  
Horizontal louver: Up  
Vertical louver: Center



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



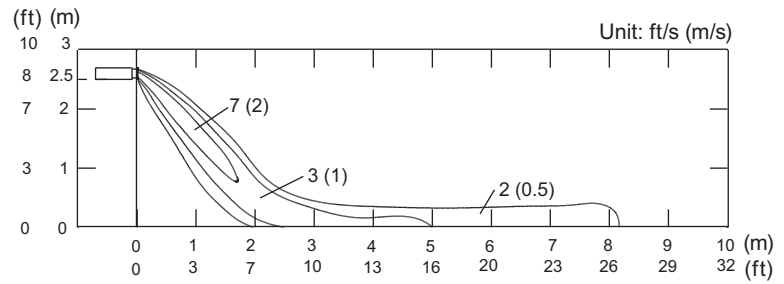
Side view  
Horizontal louver: Up  
Vertical louver: Center



Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT

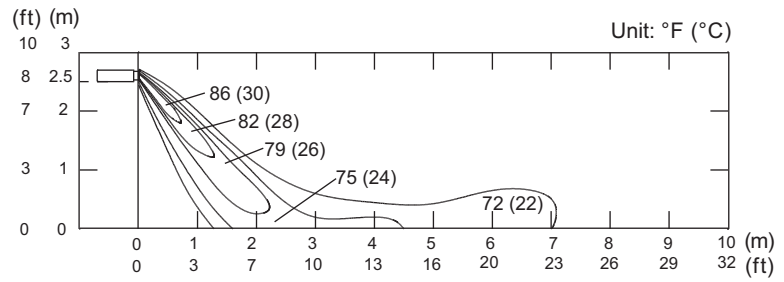
- Air velocity distribution

Side view  
Horizontal louver: Down  
Vertical louver: Center



- Air temperature distribution

Side view  
Horizontal louver: Down  
Vertical louver: Center

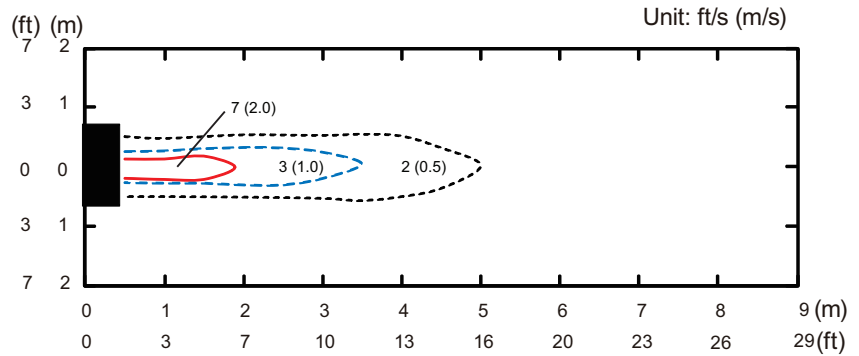


## 5-3. Wall mounted type

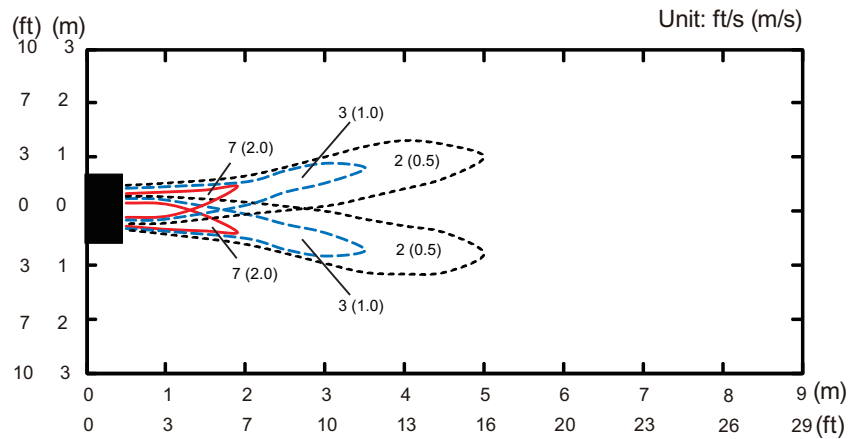
### ■ Model: ASU7RLF1

Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

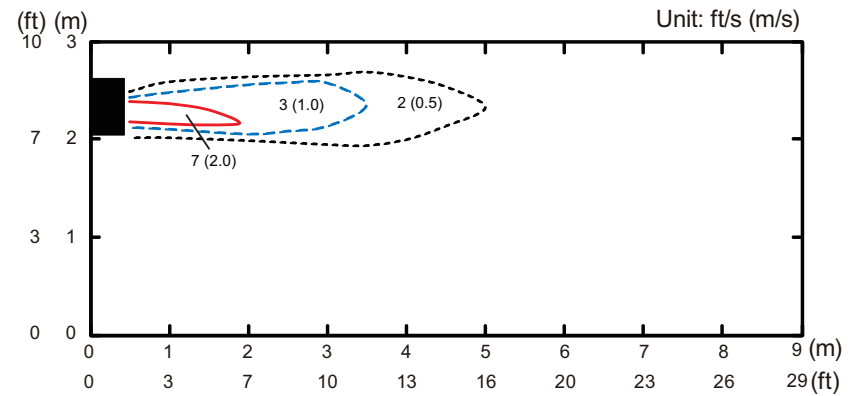
Top view  
Horizontal louver: Up  
Vertical louver: Center



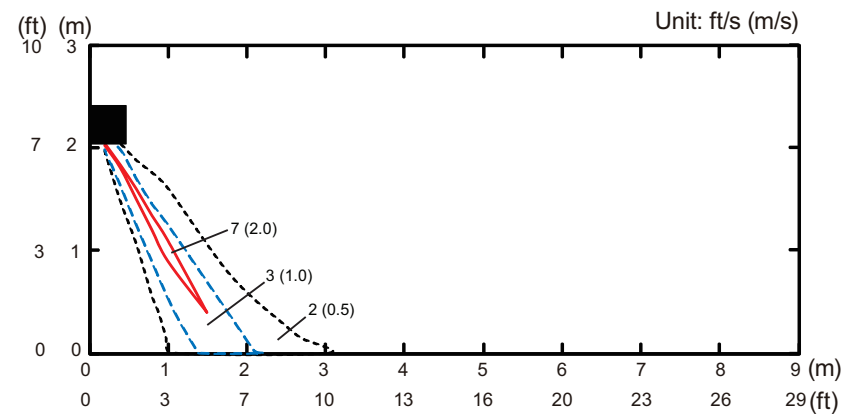
Top view  
Horizontal louver: Up  
Vertical louver: Left & Right



Side view  
Horizontal louver: Up  
Vertical louver: Center



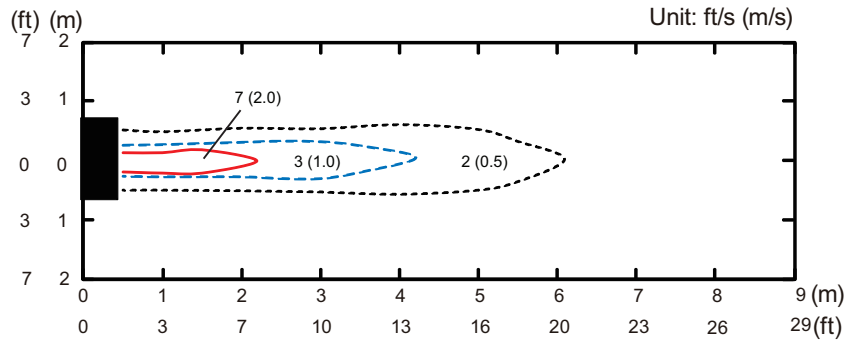
Side view  
Horizontal louver: Down  
Vertical louver: Center



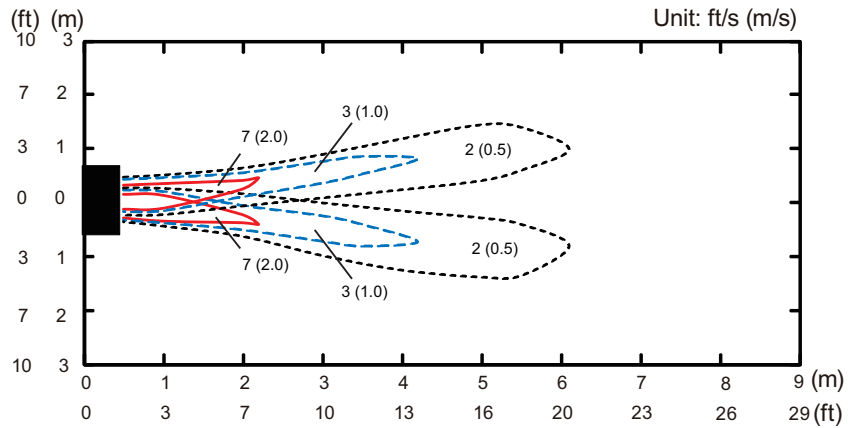
# Model: ASU9RLF1

Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

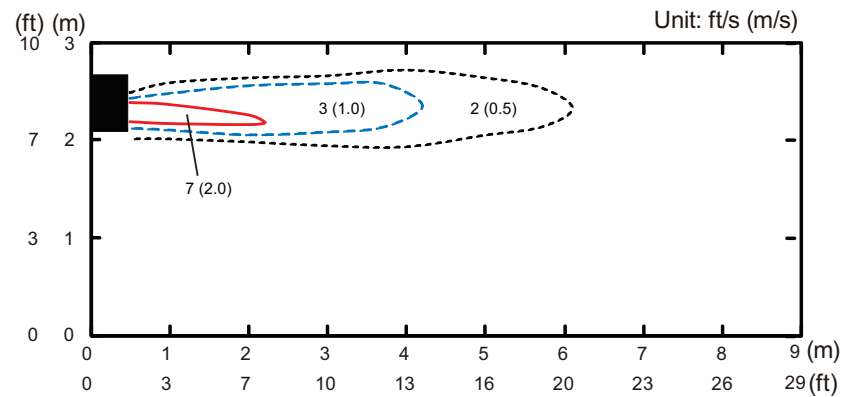
Top view  
Horizontal louver: Up  
Vertical louver: Center



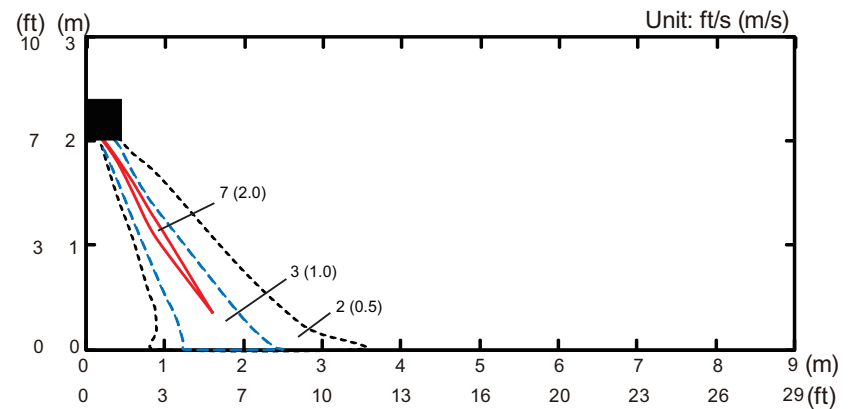
Top view  
Horizontal louver: Up  
Vertical louver: Left & Right



Side view  
Horizontal louver: Up  
Vertical louver: Center



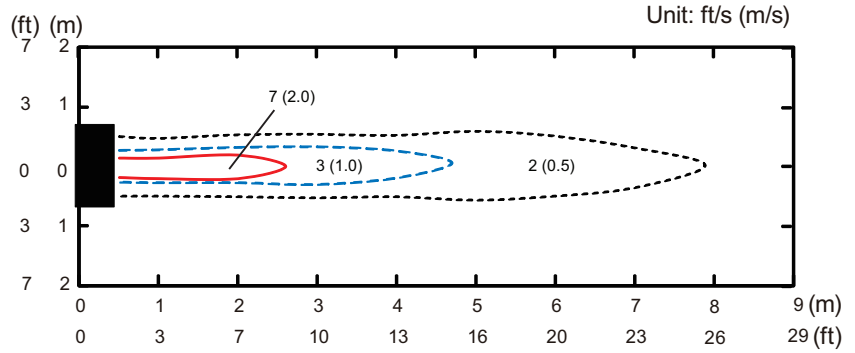
Side view  
Horizontal louver: Down  
Vertical louver: Center



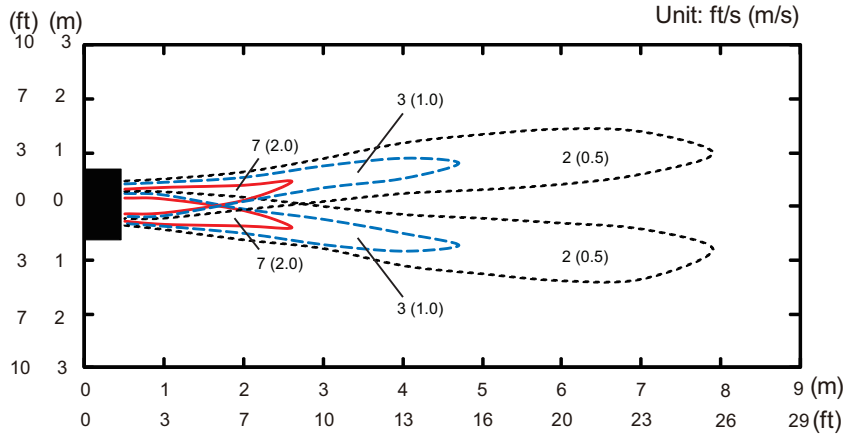
# Model: ASU12RLF1

Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

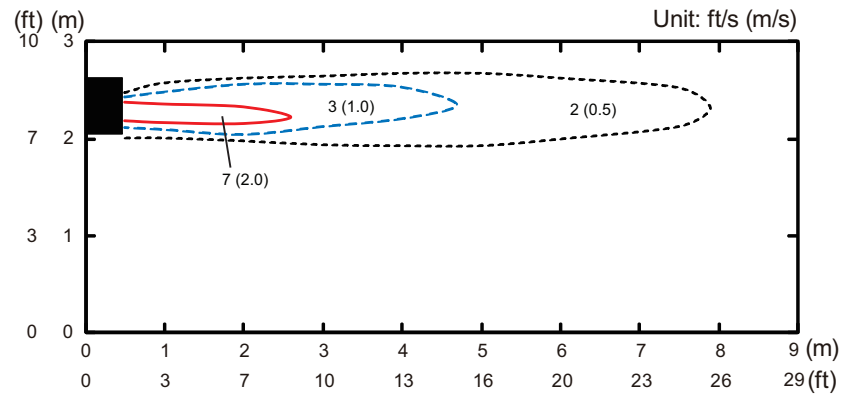
Top view  
Horizontal louver: Up  
Vertical louver: Center



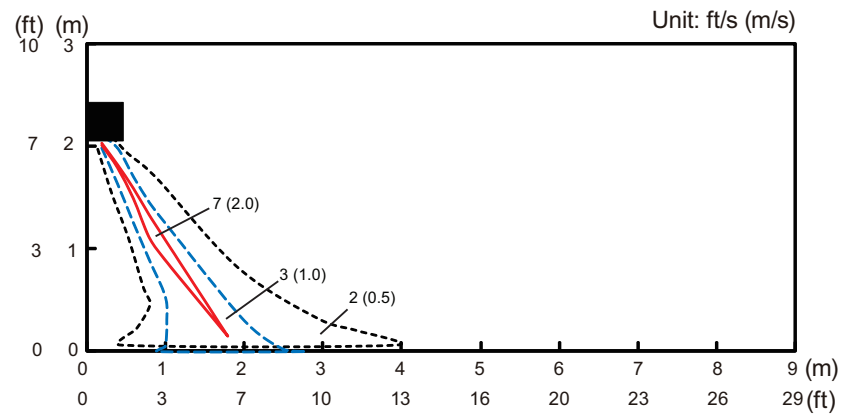
Top view  
Horizontal louver: Up  
Vertical louver: Left & Right



Side view  
Horizontal louver: Up  
Vertical louver: Center



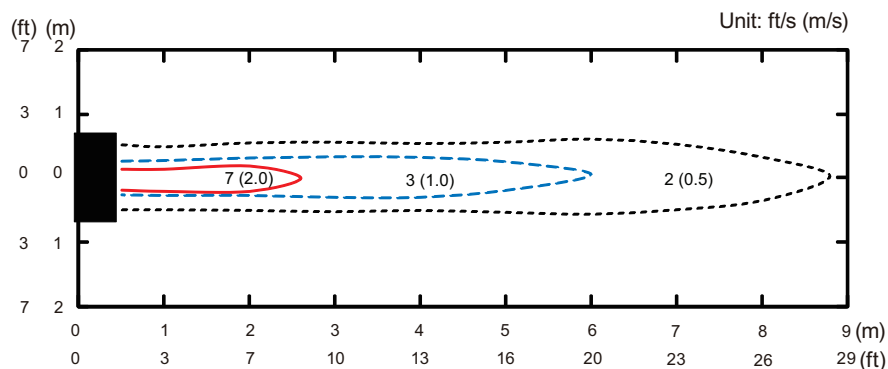
Side view  
Horizontal louver: Down  
Vertical louver: Center



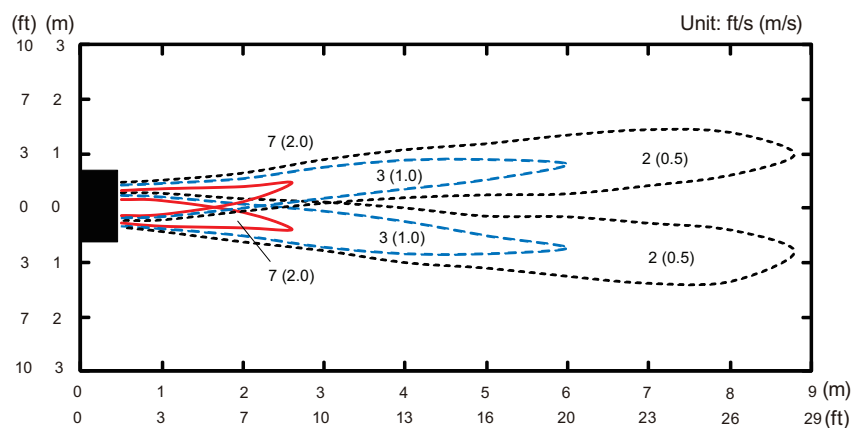
# Model: ASU15RLF1

Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

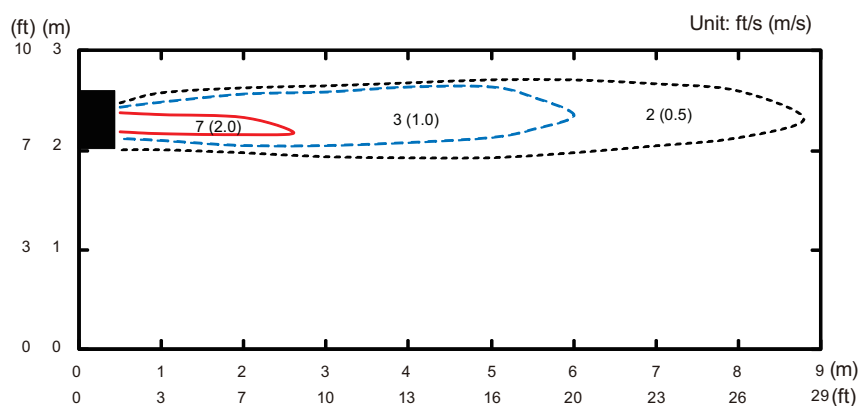
Top view  
Horizontal louver: Up  
Vertical louver: Center



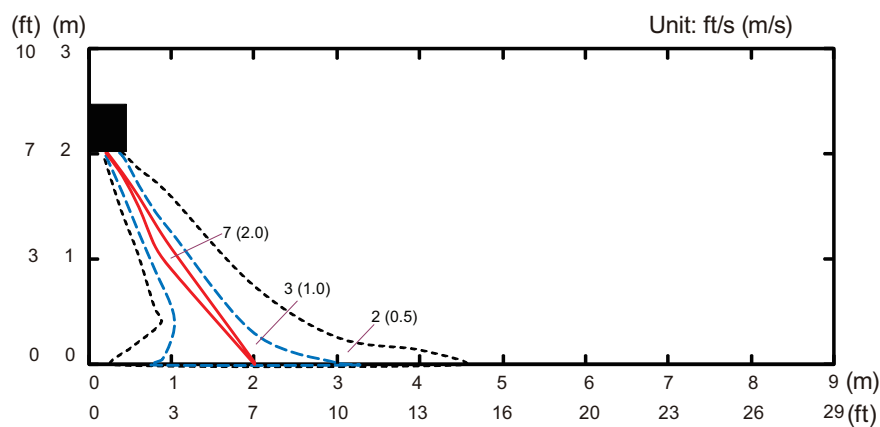
Top view  
Horizontal louver: Up  
Vertical louver: Left & Right



Side view  
Horizontal louver: Up  
Vertical louver: Center



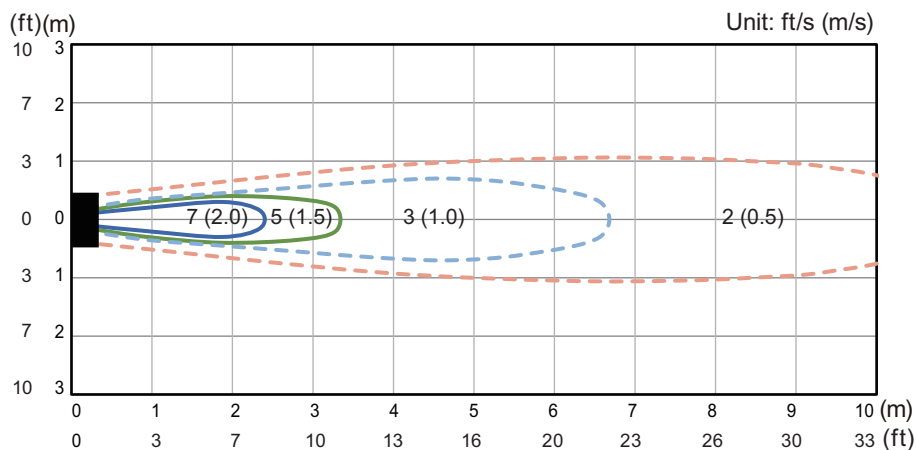
Side view  
Horizontal louver: Down  
Vertical louver: Center



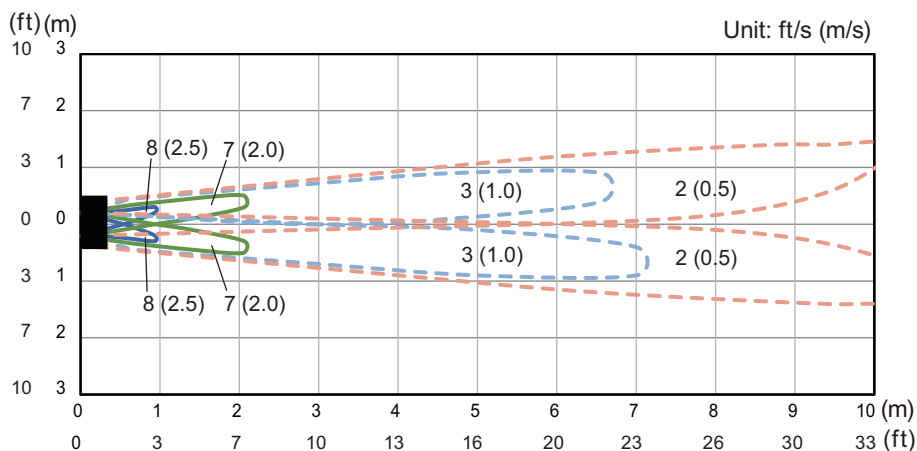
# Model: ASUH09LPAS

Measuring conditions	Fan speed HIGH	Operation mode FAN
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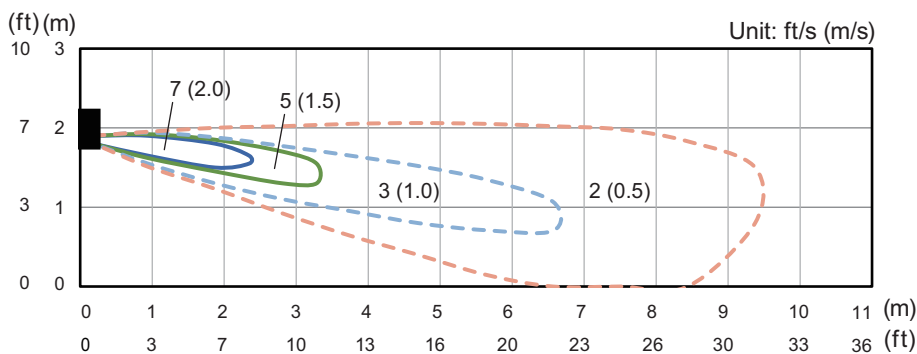
Top view  
Horizontal louver: Up  
Vertical louver: Center



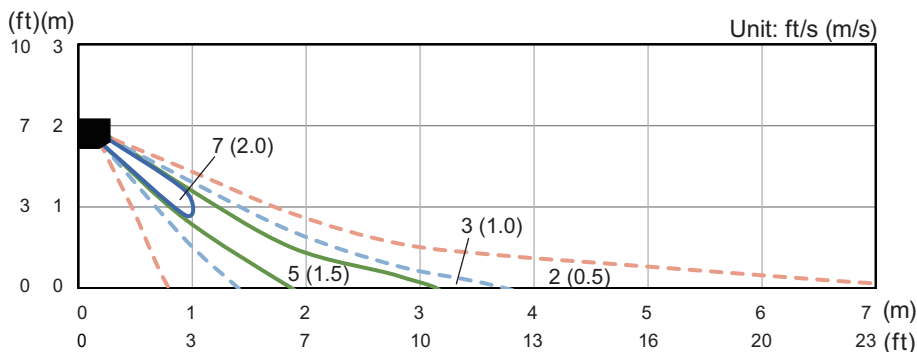
Top view  
Horizontal louver: Up  
Vertical louver: Left & Right



Side view  
Horizontal louver: Up  
Vertical louver: Center



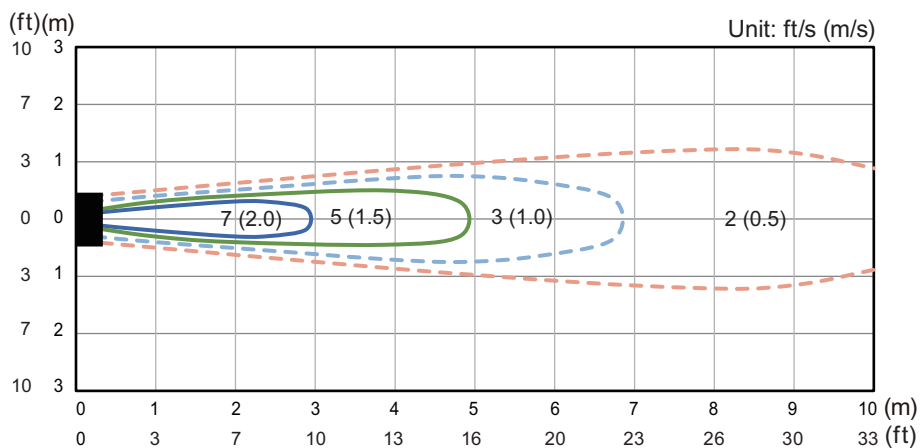
Side view  
Horizontal louver: Down  
Vertical louver: Center



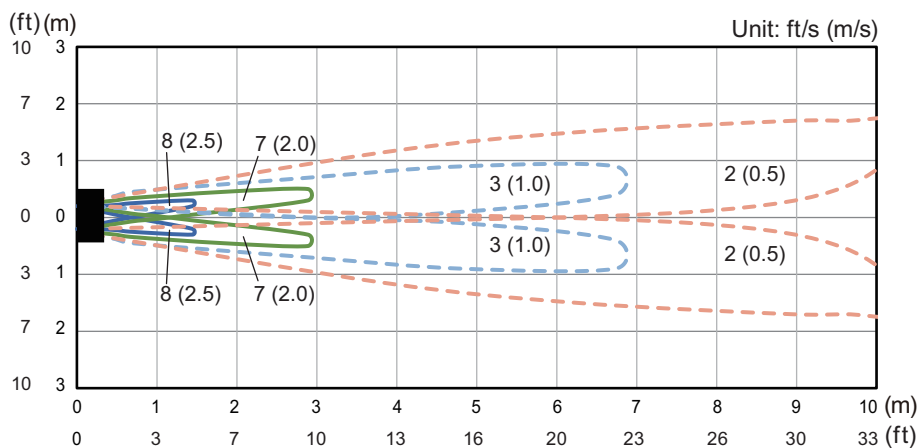
# Model: ASUH12LPAS

Measuring conditions	Fan speed HIGH	Operation mode FAN
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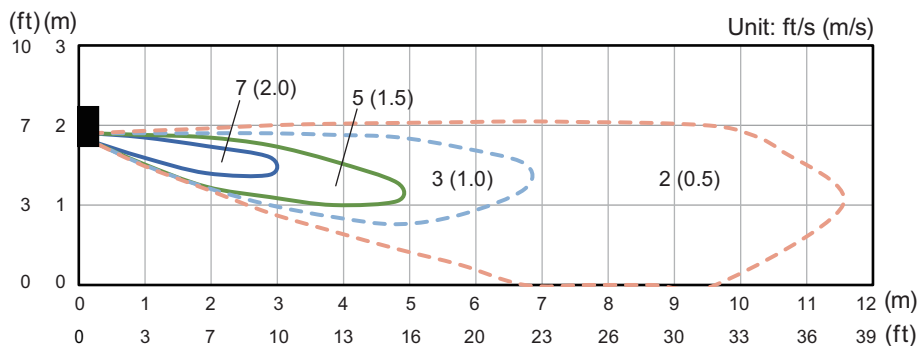
Top view  
Horizontal louver: Up  
Vertical louver: Center



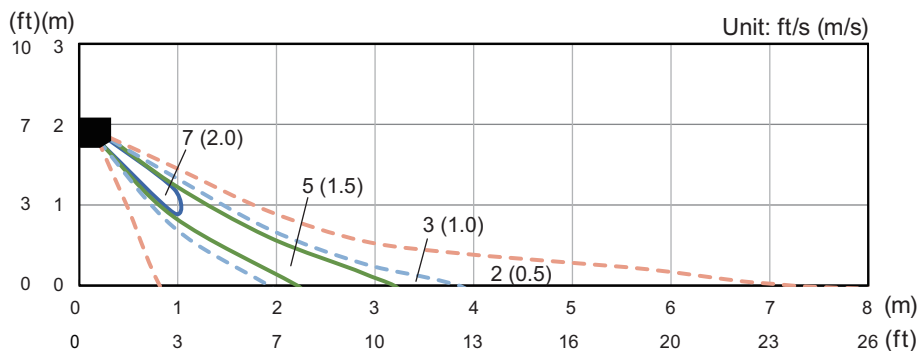
Top view  
Horizontal louver: Up  
Vertical louver: Left & Right



Side view  
Horizontal louver: Up  
Vertical louver: Center



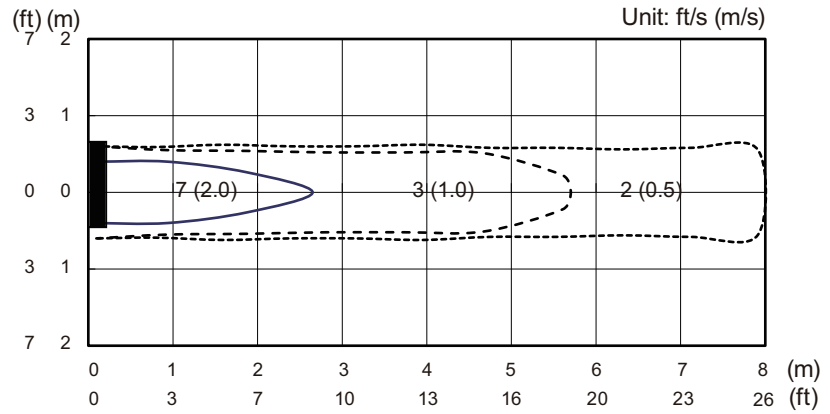
Side view  
Horizontal louver: Down  
Vertical louver: Center



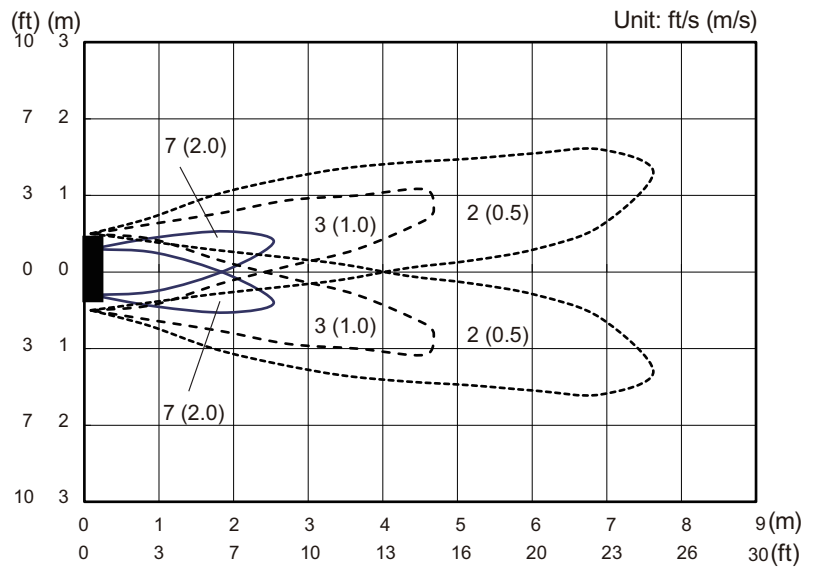
# Model: ASUH18LPAS

Measuring conditions	Fan speed HIGH	Operation mode FAN
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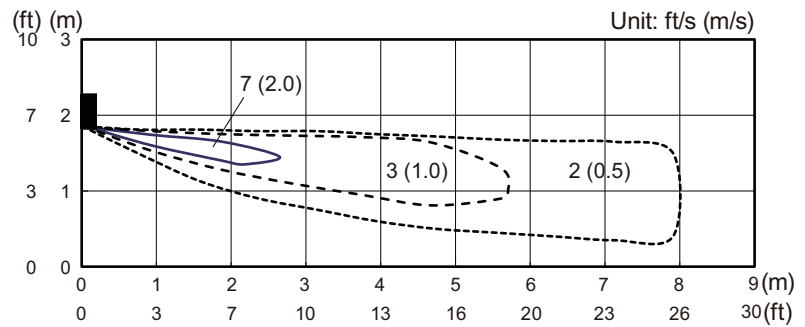
Top view  
Horizontal louver: Up  
Vertical louver: Center



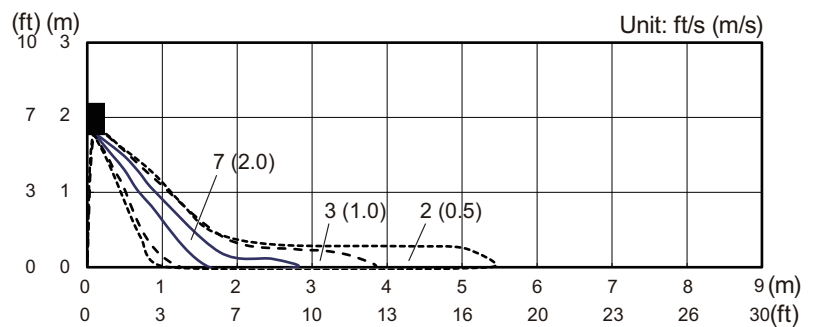
Top view  
Horizontal louver: Up  
Vertical louver: Left & Right



Side view  
Horizontal louver: Up  
Vertical louver: Center



Side view  
Horizontal louver: Down  
Vertical louver: Center

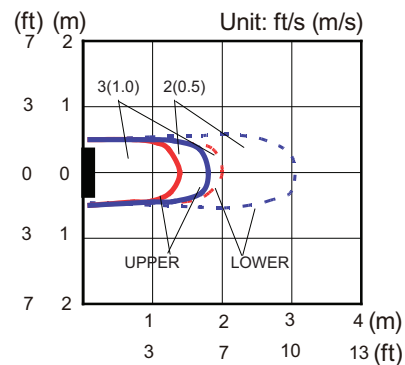


## 5-4. Floor type

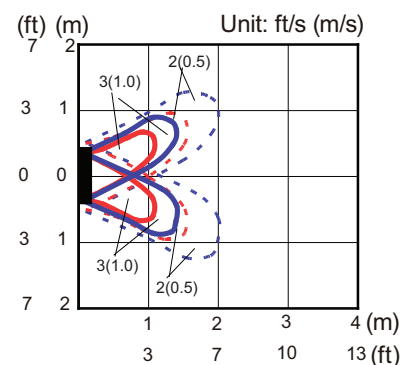
### ■ Models: AGU9RLF, AGU12RLF, and AGU15RLF

Measuring conditions	Fan speed HIGH	Operation mode FAN	Fan select Upper and lower
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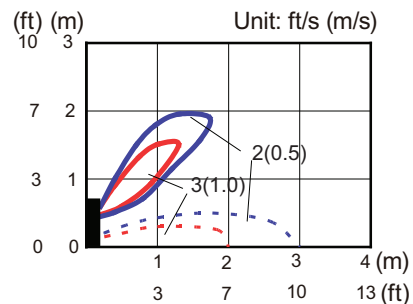
Top view  
Horizontal louver: Up  
Vertical louver: Center



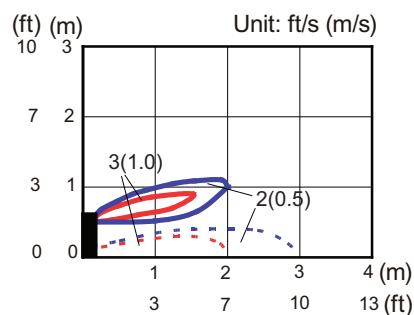
Top view  
Horizontal louver: Up  
Vertical louver: Left & Right



Side view  
Horizontal louver: Up  
Vertical louver: Center



Side view  
Horizontal louver: Down  
Vertical louver: Center

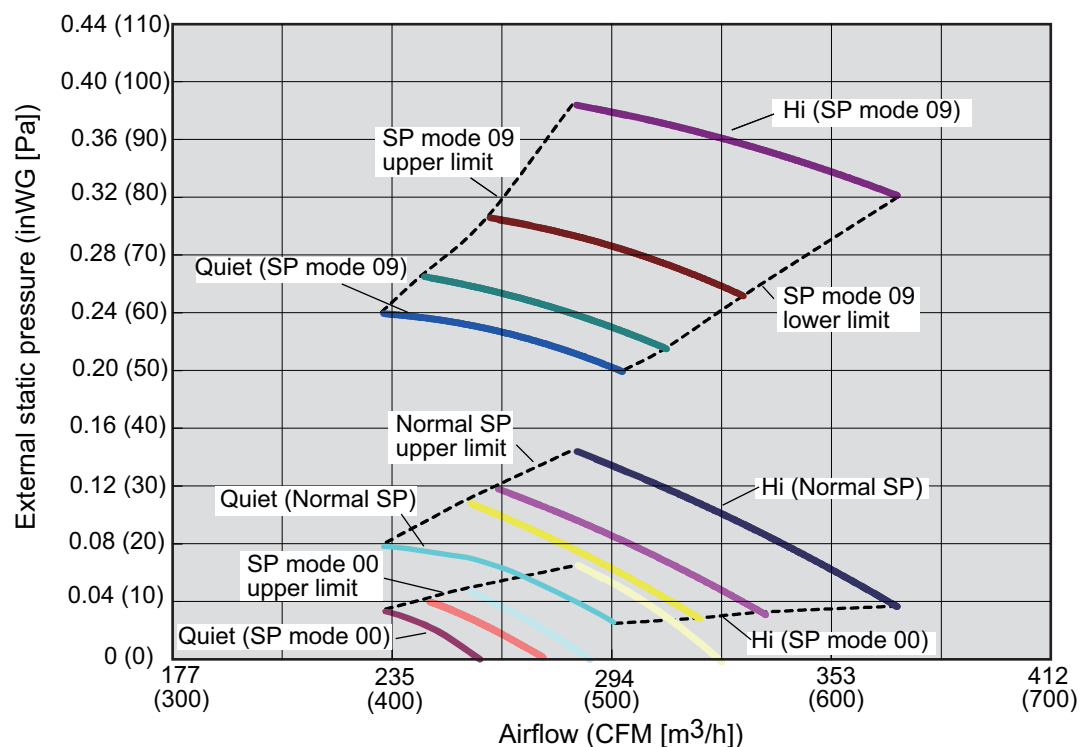


## 6. Fan performance

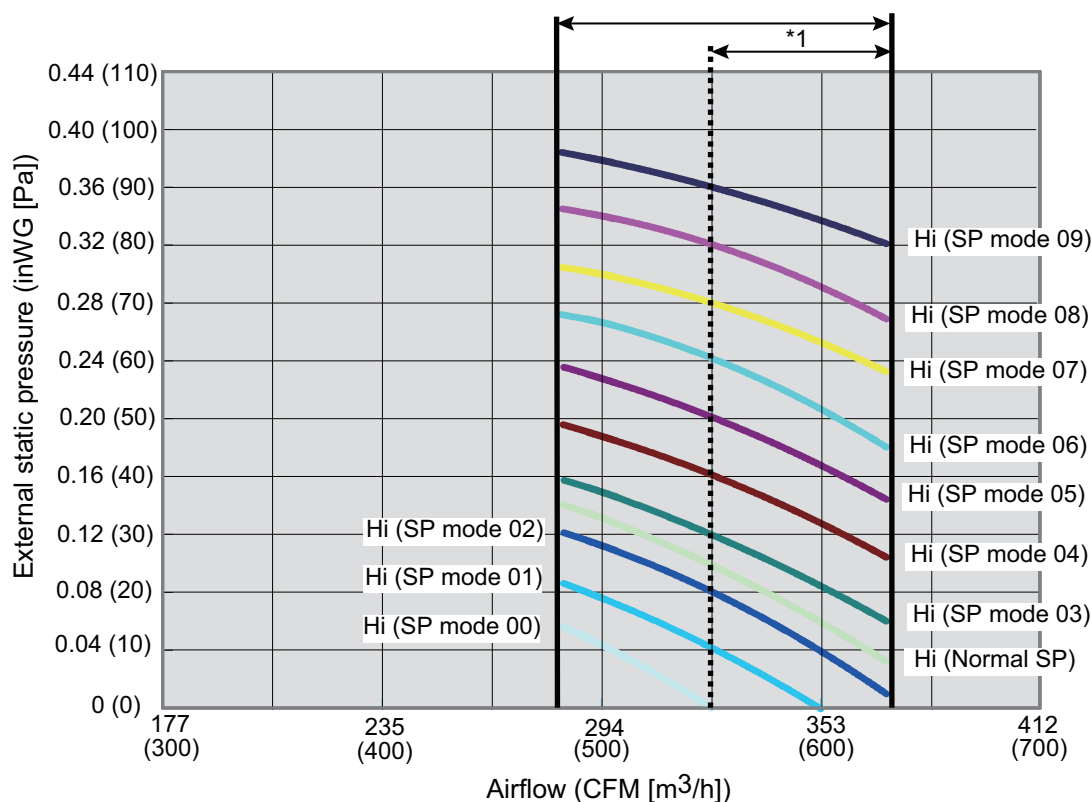
**NOTE:** Airflow and capacity/outlet temperature curve data are measured based on the same conditions mentioned in "Specifications".

### 6-1. Slim duct type

#### ■ Model: ADUH07LUAS1



Available airflow rate range (High level)



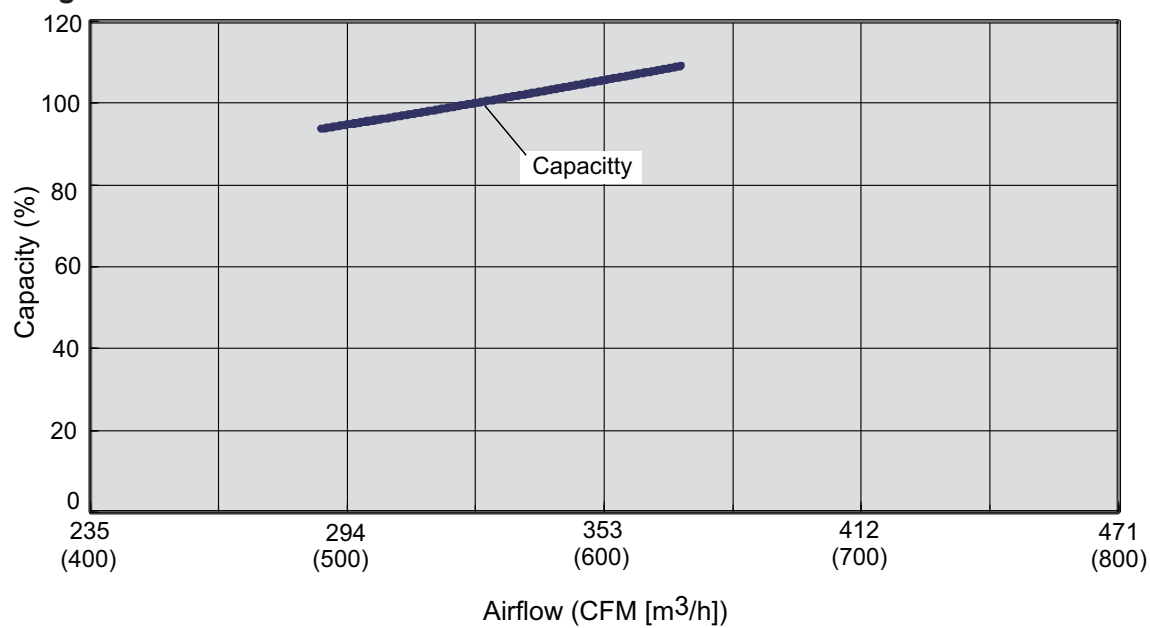
\*1: Available airflow rate range when Auto louver grille (option) is installed.

Fan speed : HIGH

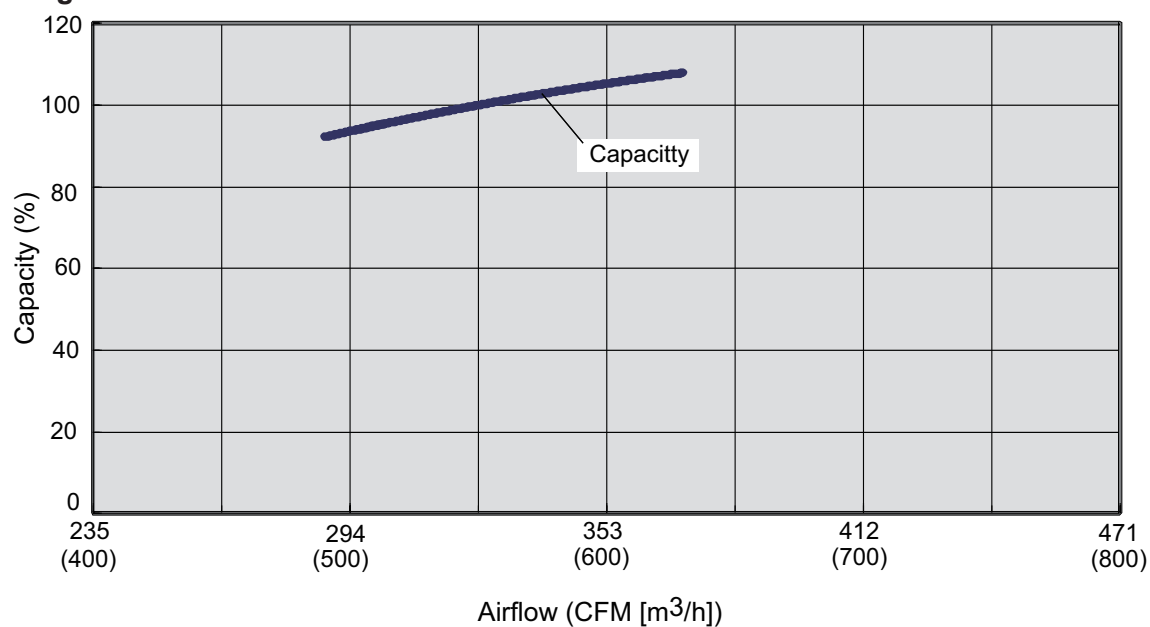
Vertical airflow direction louver : Up

## ● Characteristics of air volume and capacity

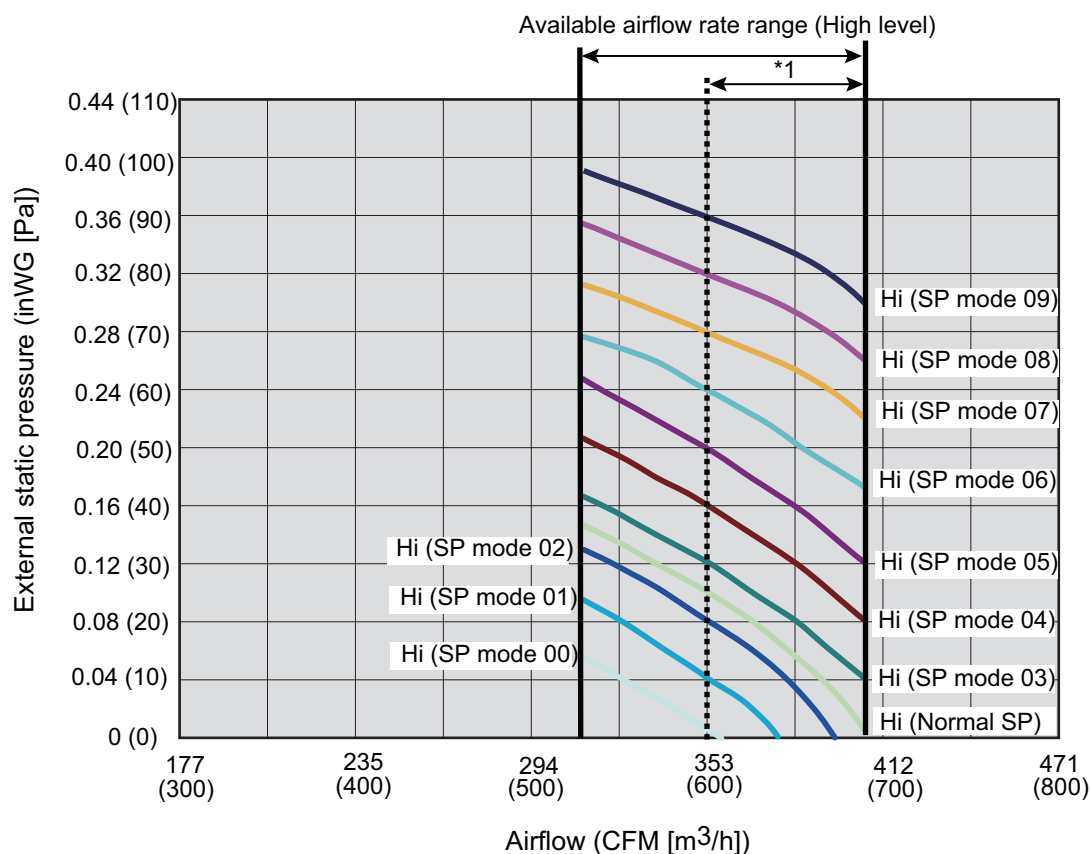
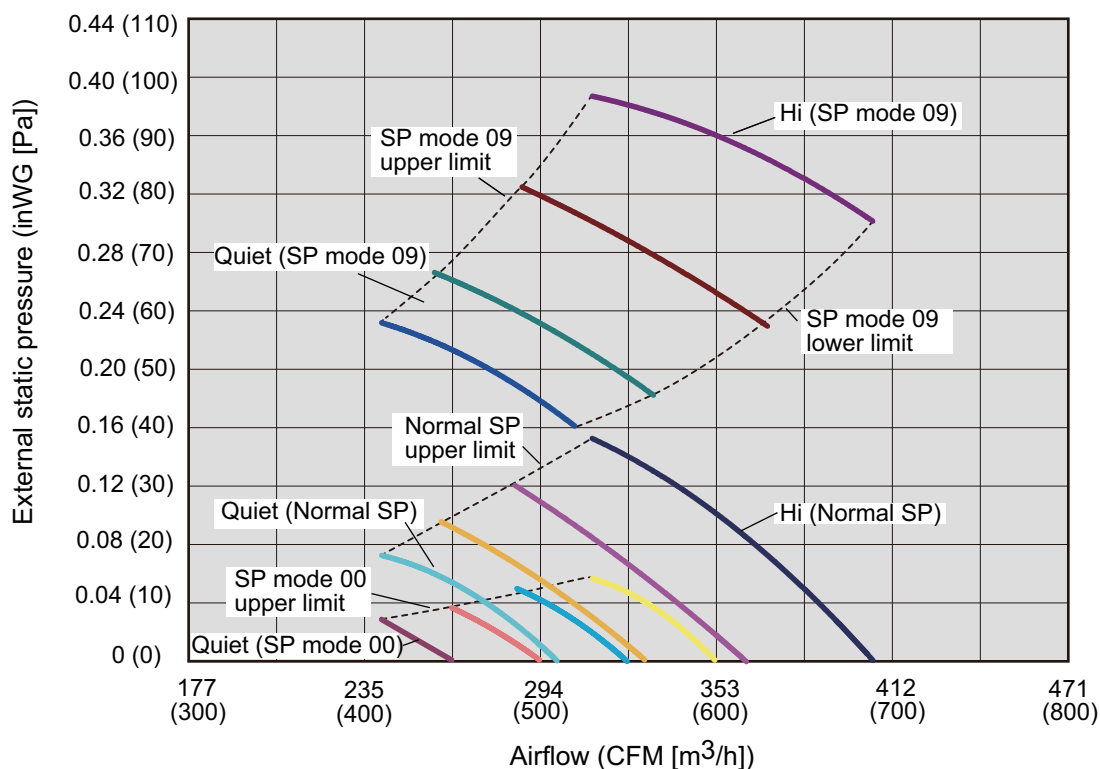
### • Cooling



### • Heating



# Model: ADUH09LUAS1



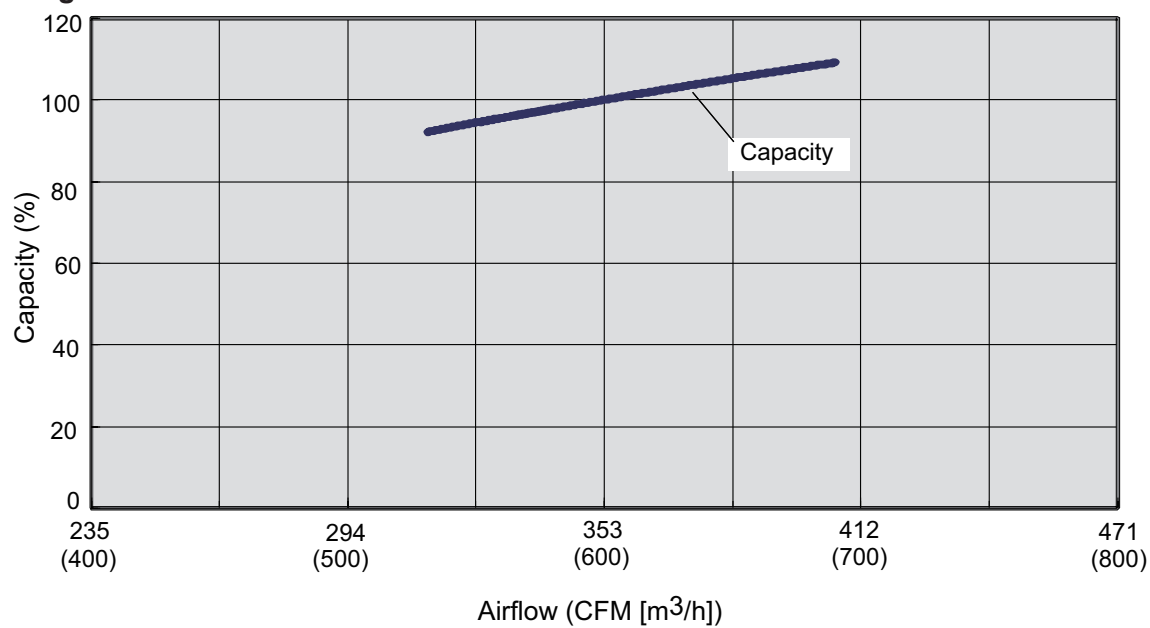
\*1: Available airflow rate range when Auto louver grille (option) is installed.

Fan speed : HIGH

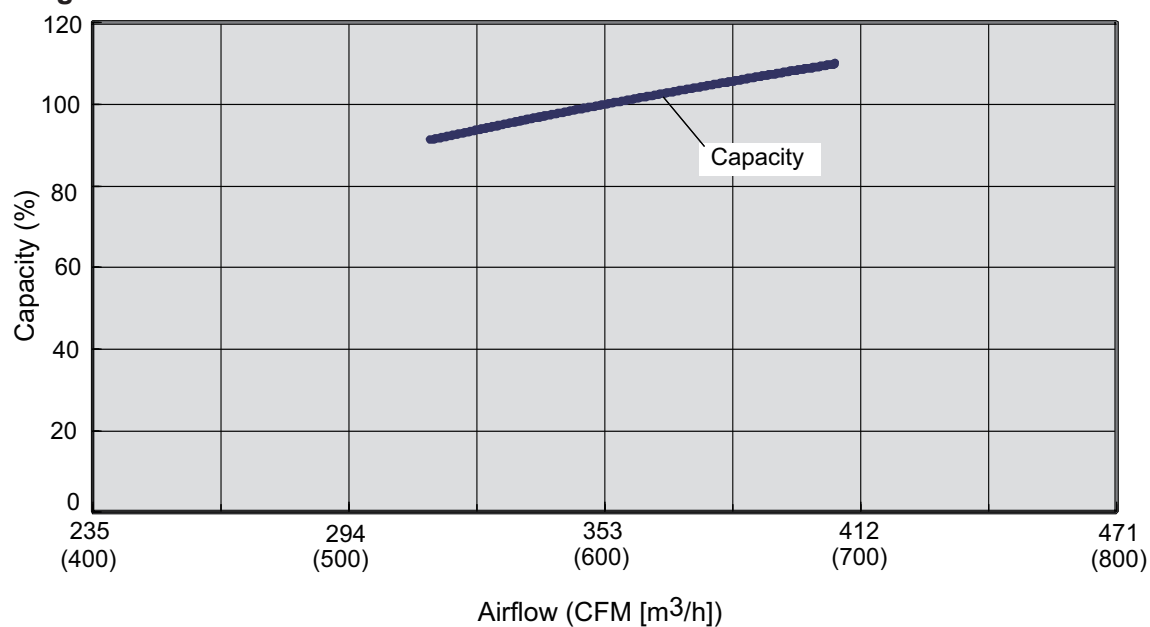
Vertical airflow direction louver : Up

## ● Characteristics of air volume and capacity

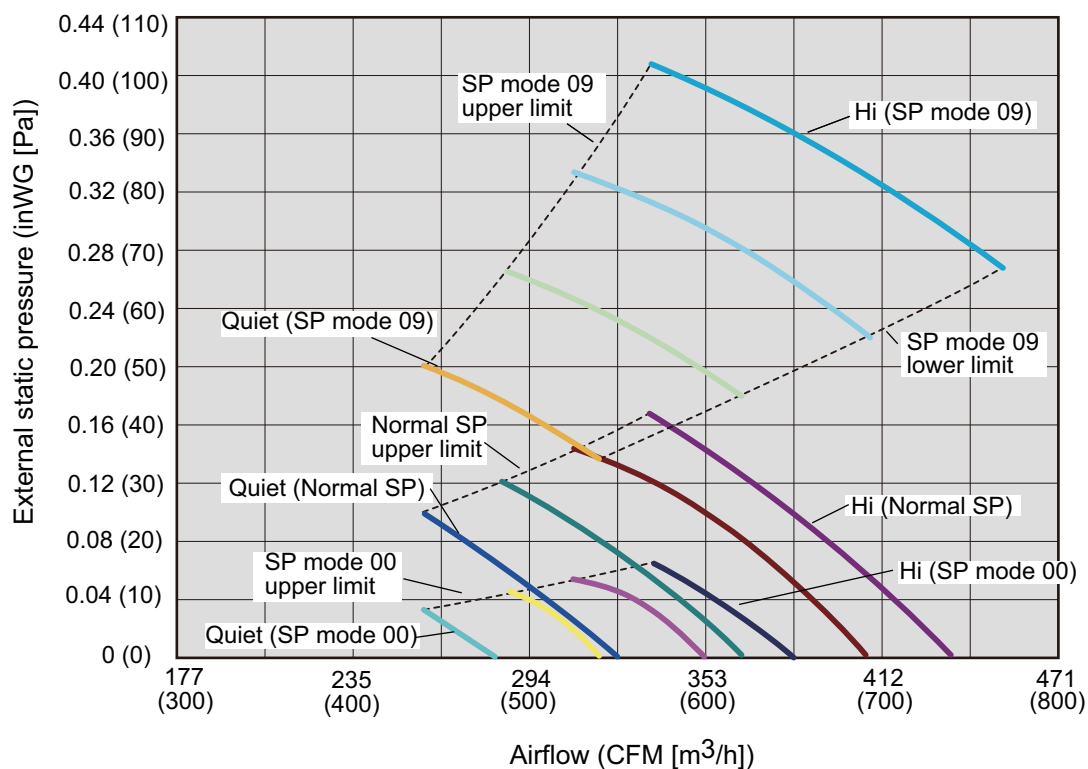
### • Cooling



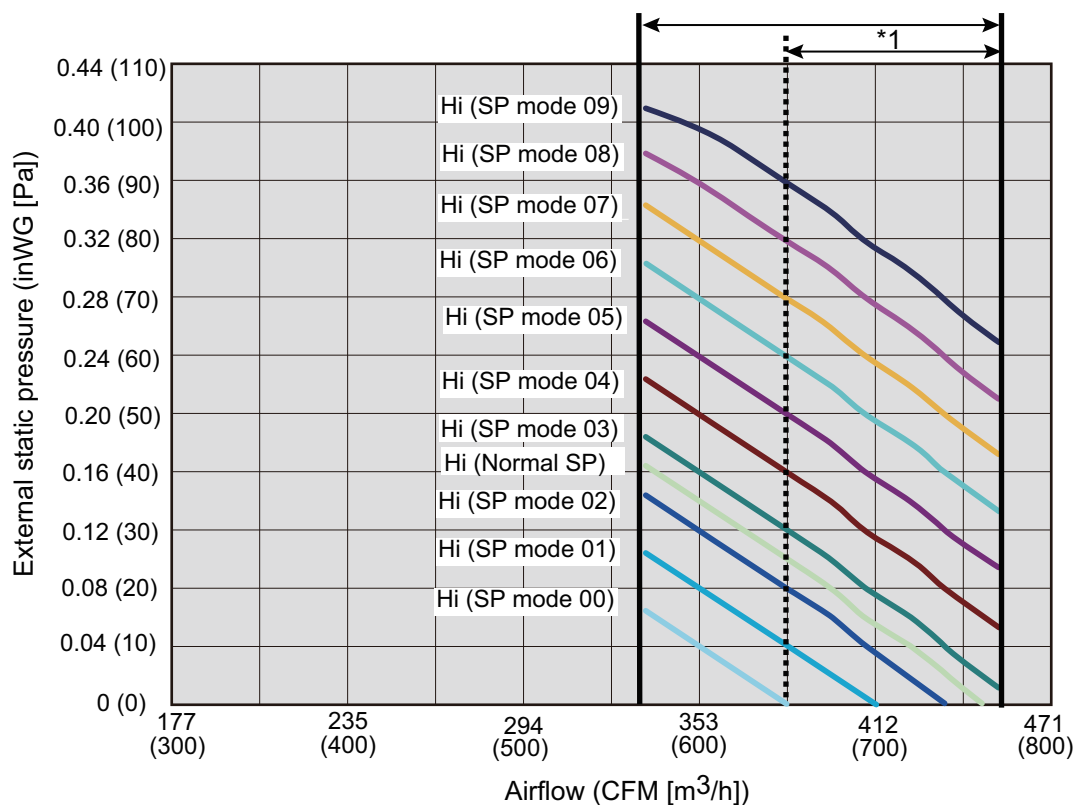
### • Heating



# Model: ADUH12LUAS1



Available airflow rate range (High level)



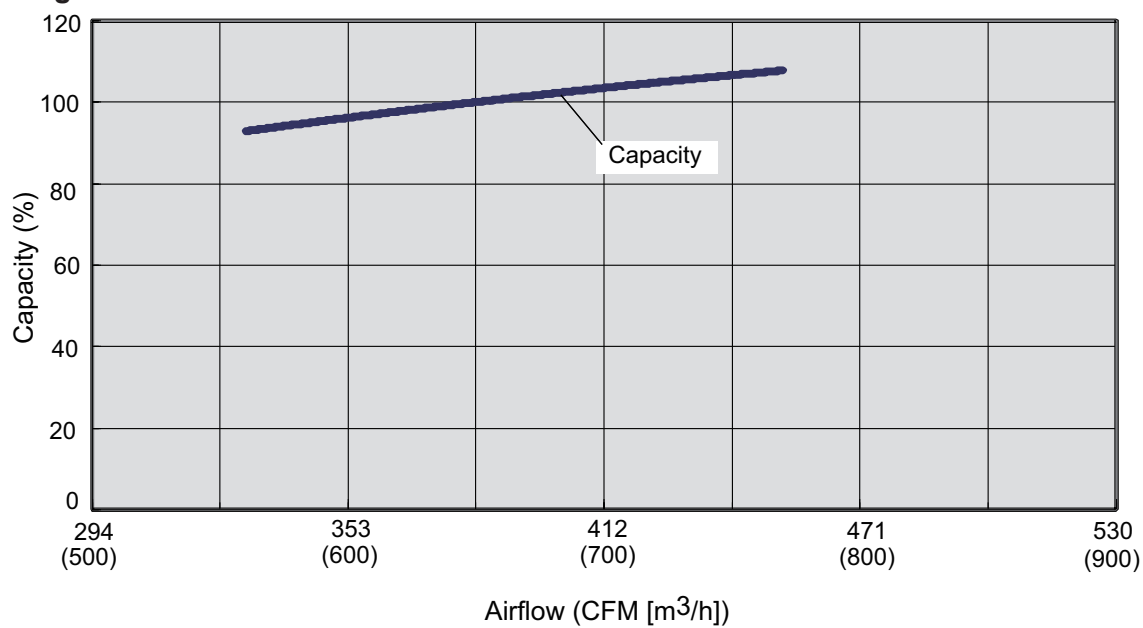
\*1: Available airflow rate range when Auto louver grille (option) is installed.

Fan speed : HIGH

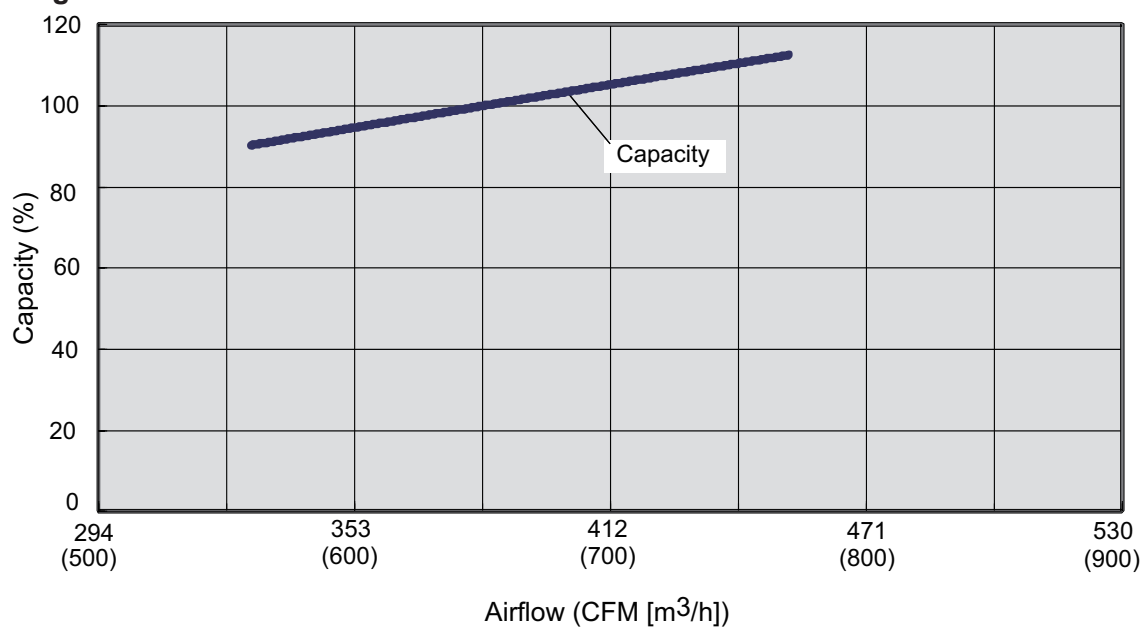
Vertical airflow direction louver : Up

## ● Characteristics of air volume and capacity

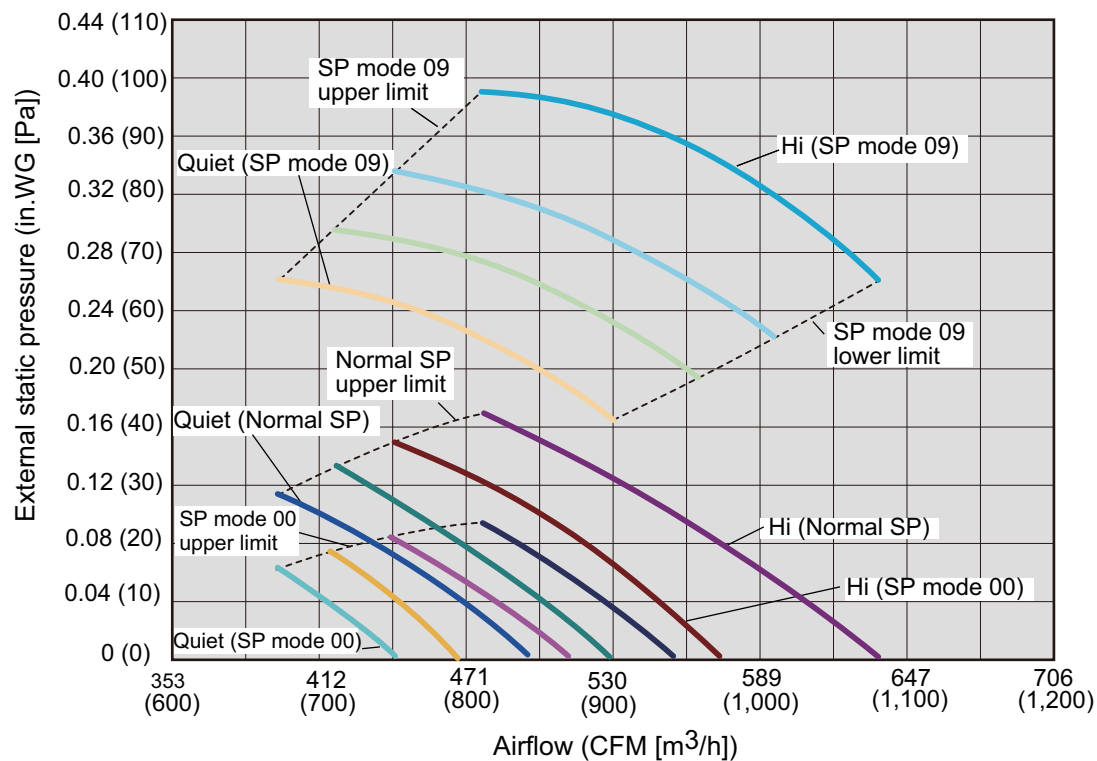
### • Cooling



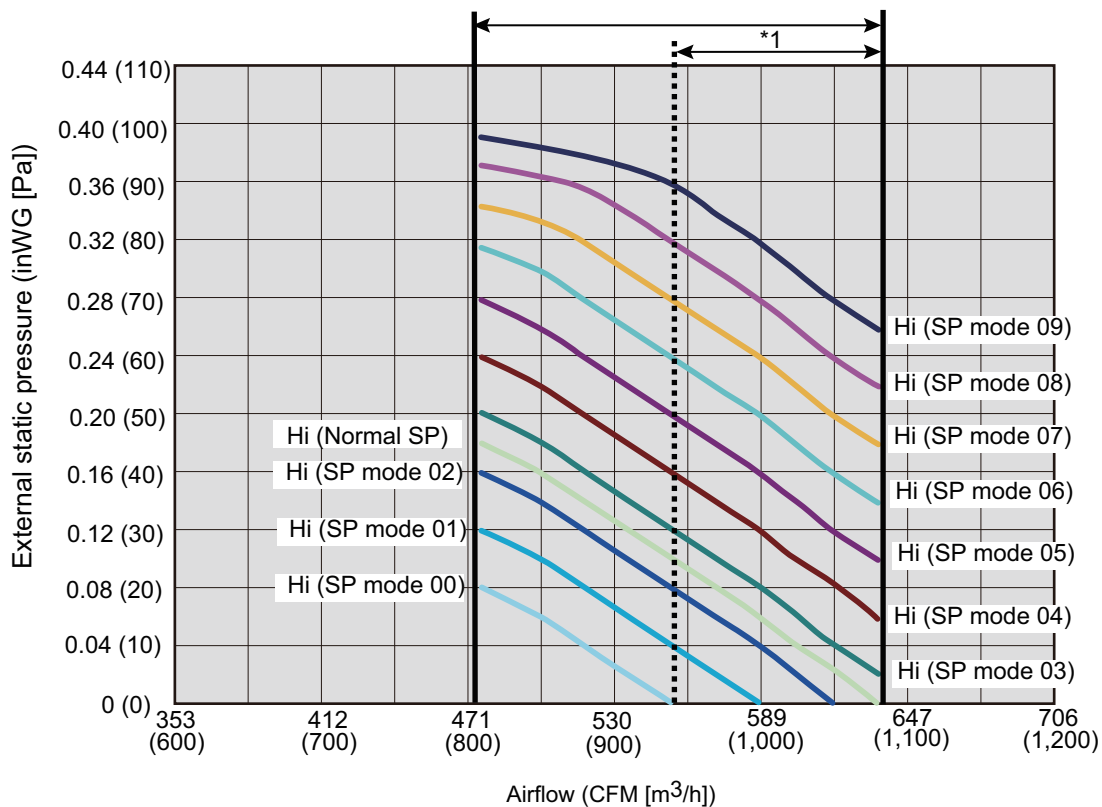
### • Heating



# Model: ADUH18LUAS1



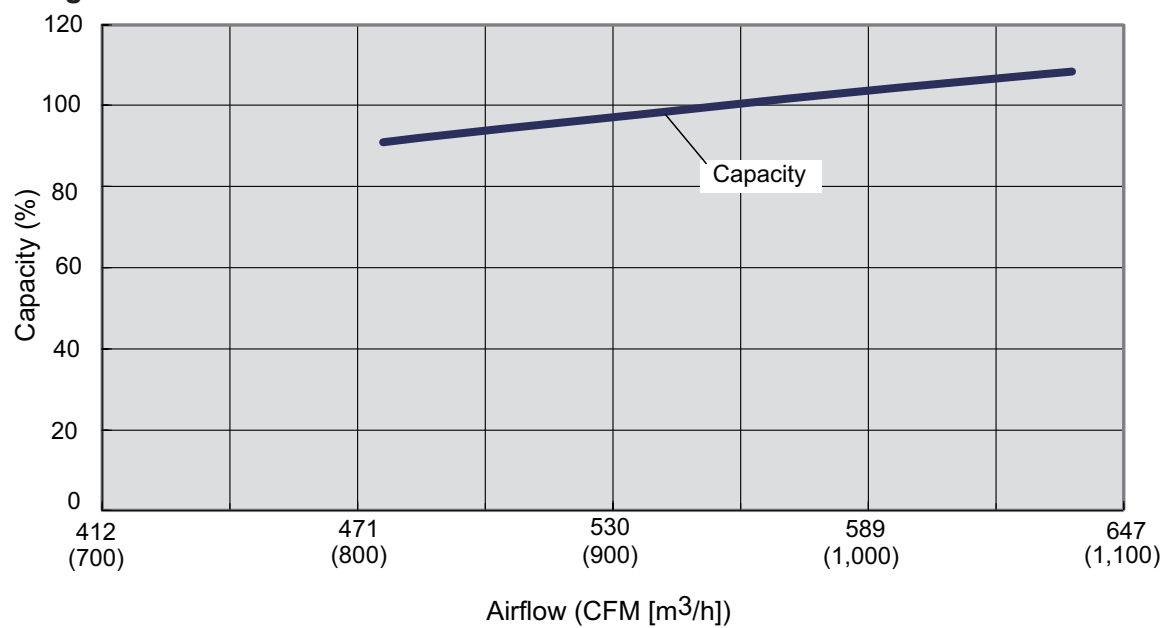
Available airflow rate range (High level)



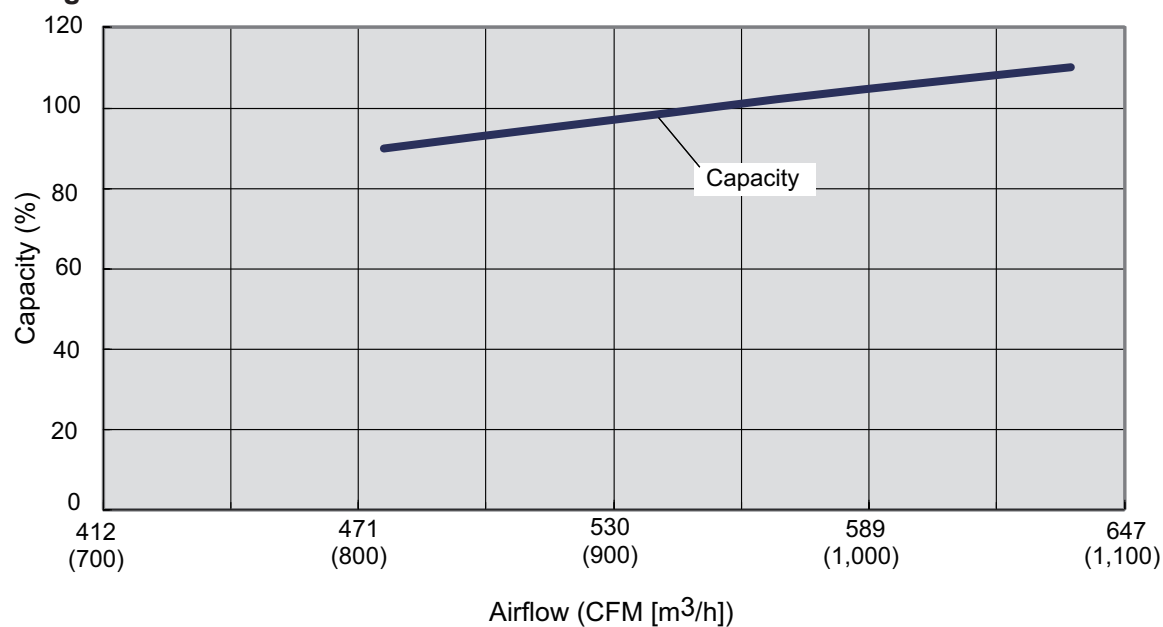
\*1: Available airflow rate range when Auto louver grille (option) is installed.  
Fan speed : HIGH  
Vertical airflow direction louver : Up

## ● Characteristics of air volume and capacity

### • Cooling



### • Heating



## 7. Airflow

Conversion factor:

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

### 7-1. Compact cassette type

Model	Operation mode	Fan speed	Airflow		
			m <sup>3</sup> /h	l/s	CFM
ACUH07LUAS1	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
ACUH09LUAS1	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
ACUH12LUAS1	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
ACUH18LUAS1	Cooling	HIGH	750	208	441
		MED	610	169	359
		LOW	520	144	306
		QUIET	410	114	241
	Heating	HIGH	800	222	471
		MED	710	197	418
		LOW	600	167	353
		QUIET	450	125	265

## 7-2. Slim duct type

Model	Operation mode	Fan speed	Airflow		
			m <sup>3</sup> /h	l/s	CFM
ADUH07LUAS1	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
ADUH09LUAS1	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
ADUH12LUAS1	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
ADUH18LUAS1	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

## 7-3. Wall mounted type

Model	Operation mode	Fan speed	Airflow		
			m <sup>3</sup> /h	l/s	CFM
ASU7RLF1	Cooling	HIGH	560	156	330
		MED	500	139	294
		LOW	430	119	253
		QUIET	310	86	182
	Heating	HIGH	560	156	330
		MED	500	139	294
		LOW	430	119	253
		QUIET	330	92	194
ASU9RLF1	Cooling	HIGH	600	167	353
		MED	520	144	306
		LOW	430	119	253
		QUIET	310	86	182
	Heating	HIGH	600	167	353
		MED	520	144	306
		LOW	430	119	253
		QUIET	330	92	194
ASU12RLF1	Cooling	HIGH	660	183	388
		MED	560	156	330
		LOW	450	125	265
		QUIET	310	86	182
	Heating	HIGH	660	183	388
		MED	560	156	330
		LOW	470	131	277
		QUIET	330	92	194
ASU15RLF1	Cooling	HIGH	730	203	430
		MED	600	167	353
		LOW	530	147	312
		QUIET	360	100	212
	Heating	HIGH	730	203	430
		MED	615	171	362
		LOW	560	156	330
		QUIET	375	104	221

Model	Operation mode	Fan speed	Airflow		
			m <sup>3</sup> /h	l/s	CFM
ASUH07LPAS	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
ASUH09LPAS	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
ASUH12LPAS	Cooling	HIGH	700	194	412
		MED	560	156	330
		LOW	430	119	253
		QUIET	310	86	182
	Heating	HIGH	770	214	453
		MED	640	178	377
		LOW	520	144	306
		QUIET	310	86	182
ASUH15LPAS	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
ASUH18LPAS	Cooling	HIGH	900	250	530
		MED	800	222	471
		LOW	640	178	377
		QUIET	410	114	241
	Heating	HIGH	860	239	506
		MED	690	192	406
		LOW	560	156	330
		QUIET	420	117	247

## 7-4. Floor type

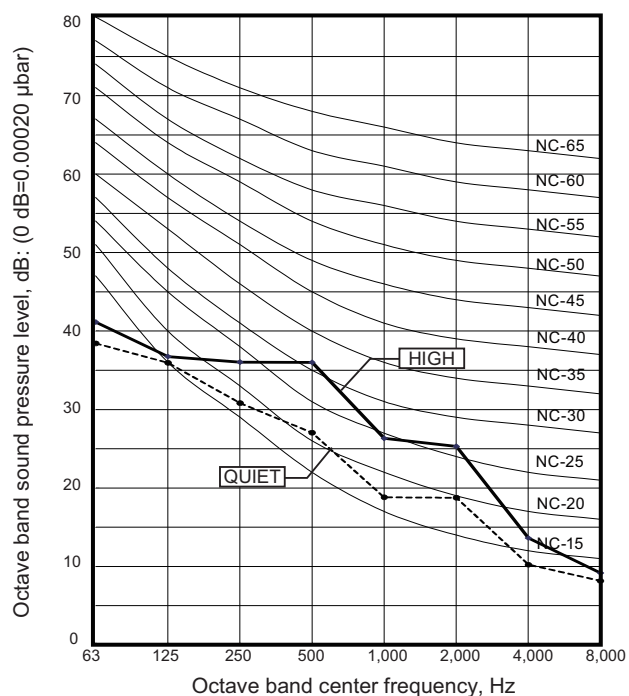
Model	Operation mode	Fan speed	Airflow		
			m <sup>3</sup> /h	l/s	CFM
AGU9RLF	Cooling	HIGH	530	147	312
		MED	440	122	259
		LOW	360	100	212
		QUIET	270	75	159
	Heating	HIGH	530	147	312
		MED	460	128	270
		LOW	380	106	224
		QUIET	270	75	159
AGU12RLF	Cooling	HIGH	600	167	353
		MED	490	136	288
		LOW	380	106	224
		QUIET	270	75	159
	Heating	HIGH	600	167	353
		MED	510	142	300
		LOW	410	114	241
		QUIET	270	75	159
AGU15RLF	Cooling	HIGH	650	181	383
		MED	520	144	306
		LOW	400	111	235
		QUIET	270	75	159
	Heating	HIGH	650	181	383
		MED	540	150	318
		LOW	430	119	253
		QUIET	270	75	159

## 8. Noise level curve

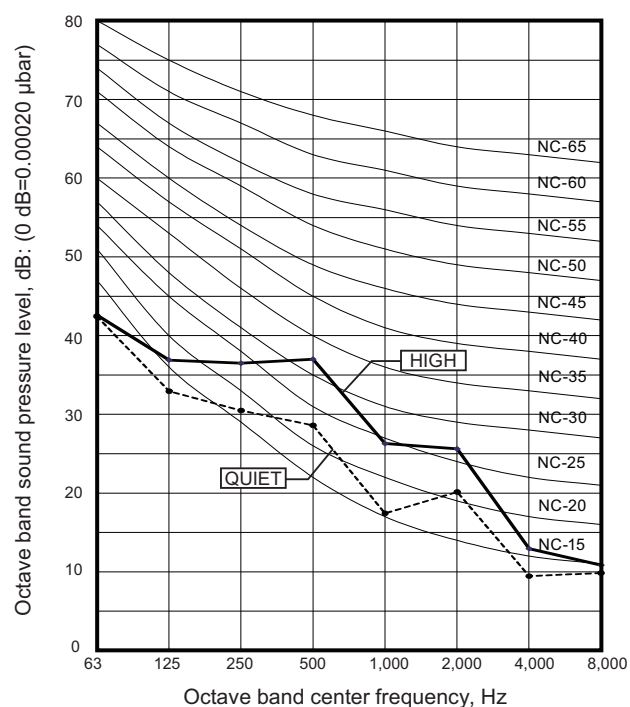
### 8-1. Compact cassette type

#### ■ Model: ACUH07LUAS1

##### ● Cooling

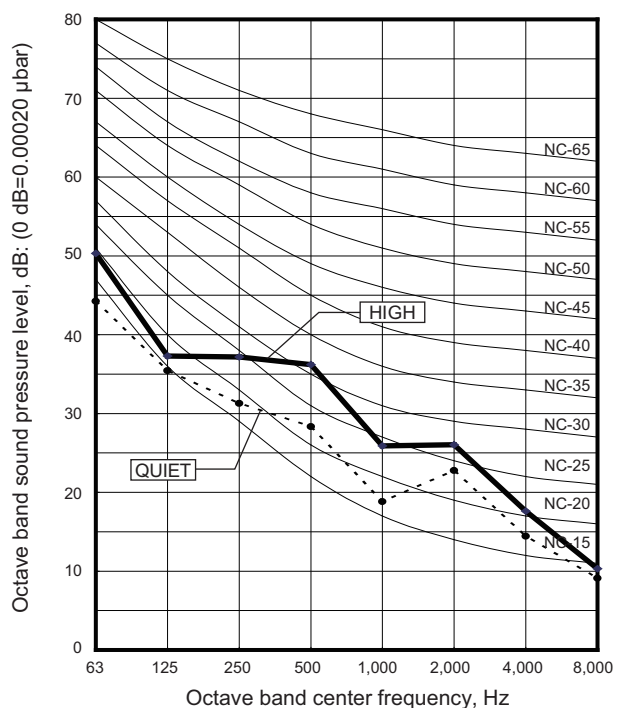


##### ● Heating

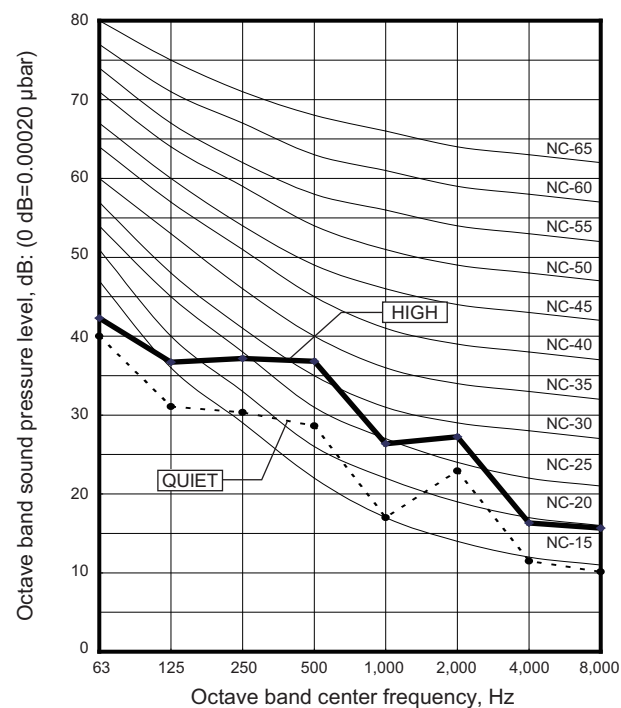


#### ■ Model: ACUH09LUAS1

##### ● Cooling

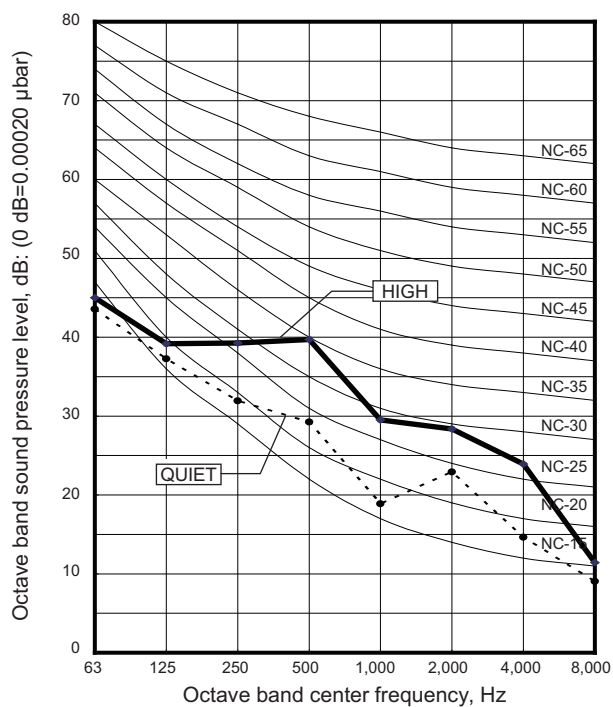


##### ● Heating

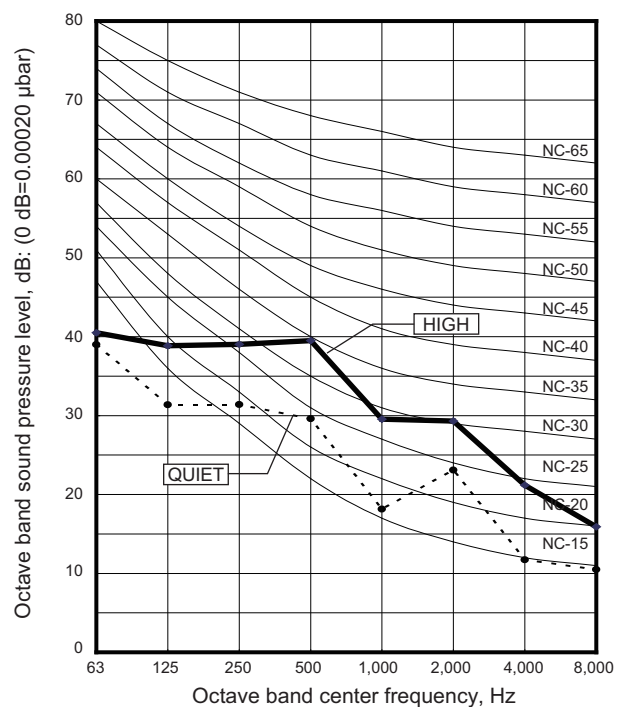


## Model: ACUH12LUAS1

### Cooling

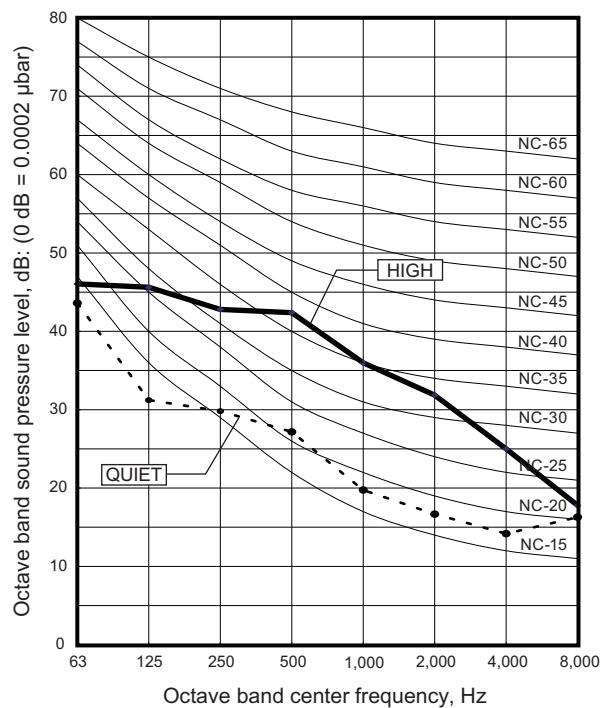


### Heating

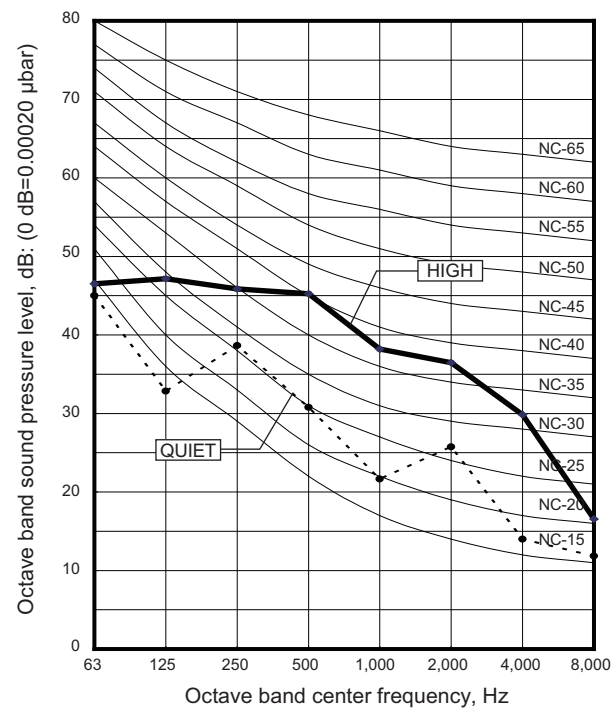


## Model: ACUH18LUAS1

### Cooling



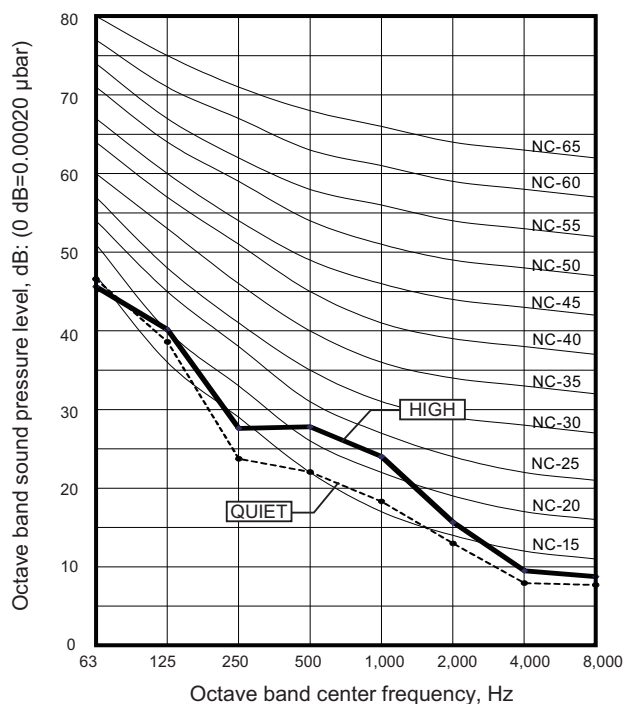
### Heating



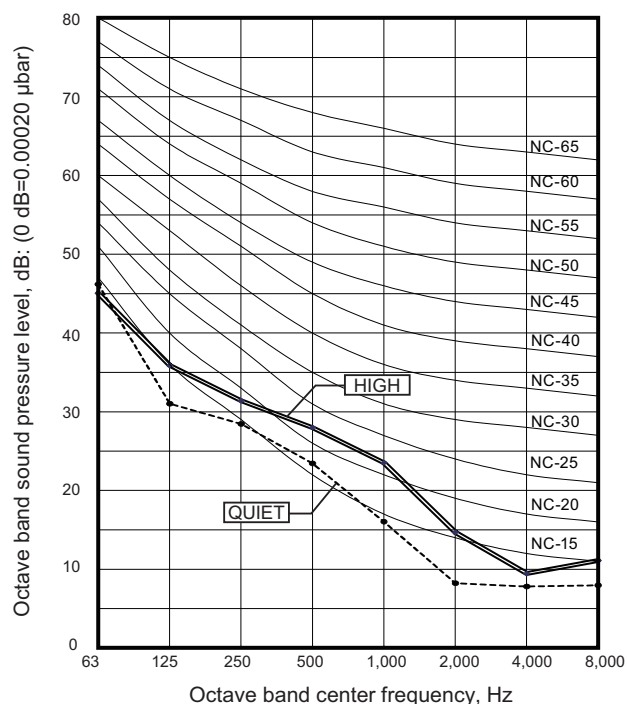
## 8-2. Slim duct type

### ■ Model: ADUH07LUAS1

#### ● Cooling

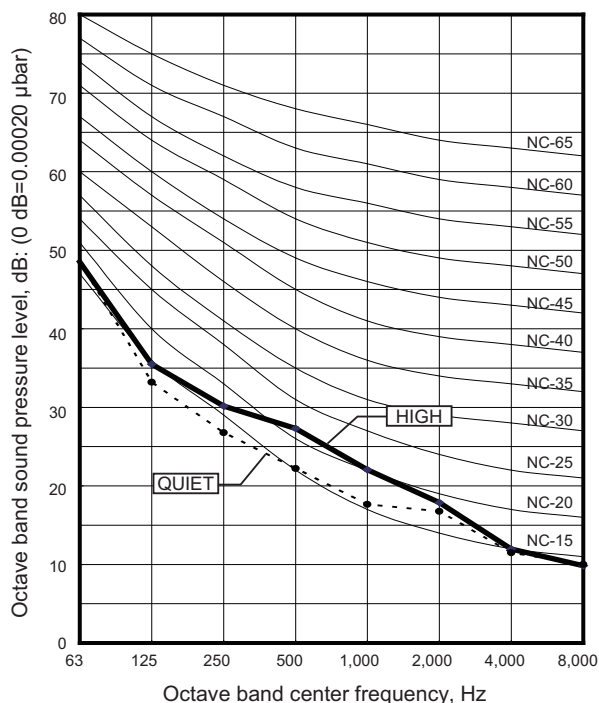


#### ● Heating

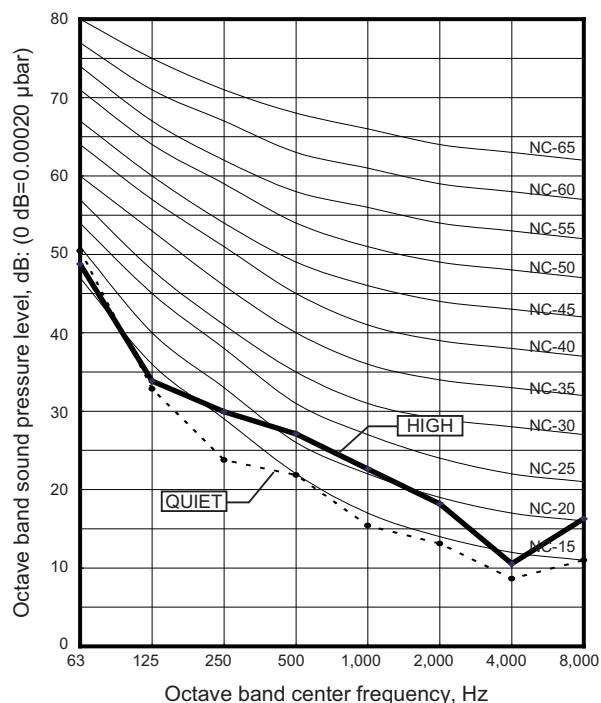


### ■ Model: ADUH09LUAS1

#### ● Cooling

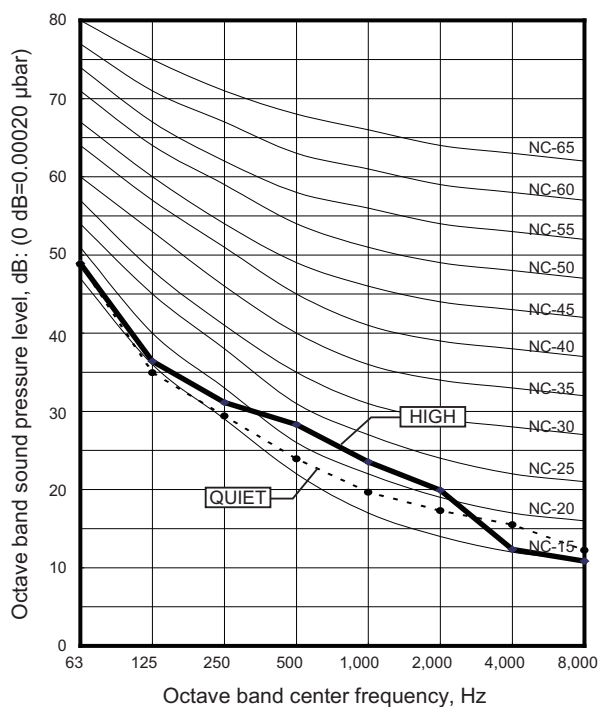


#### ● Heating

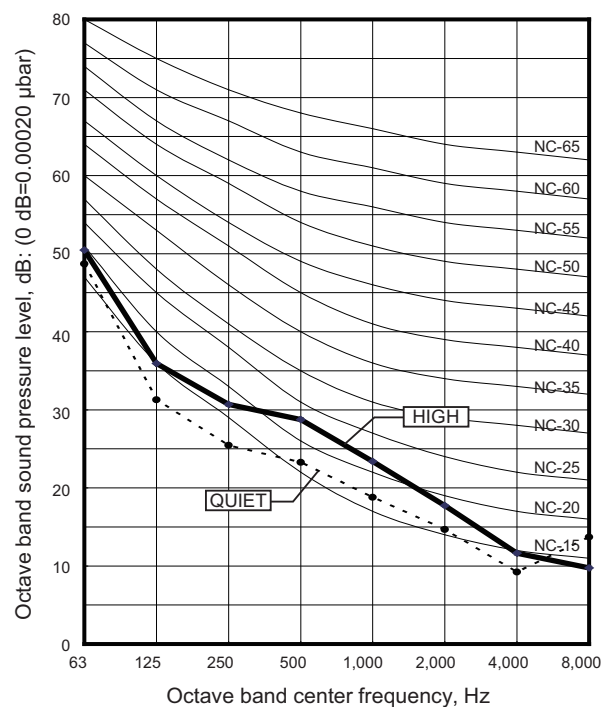


## Model: ADUH12LUAS1

### Cooling

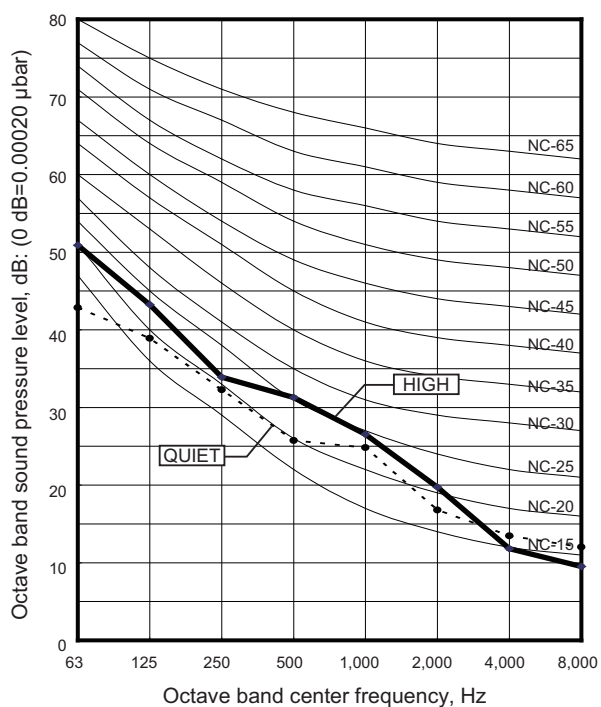


### Heating

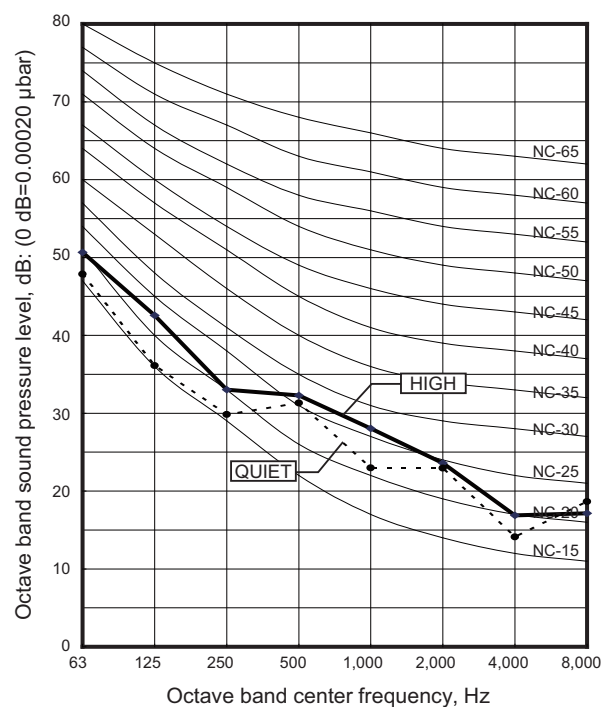


## Model: ADUH18LUAS1

### Cooling



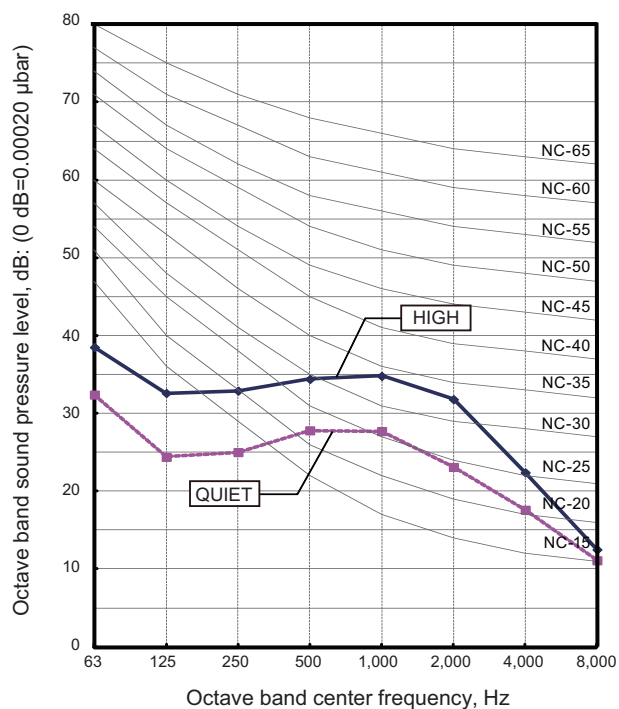
### Heating



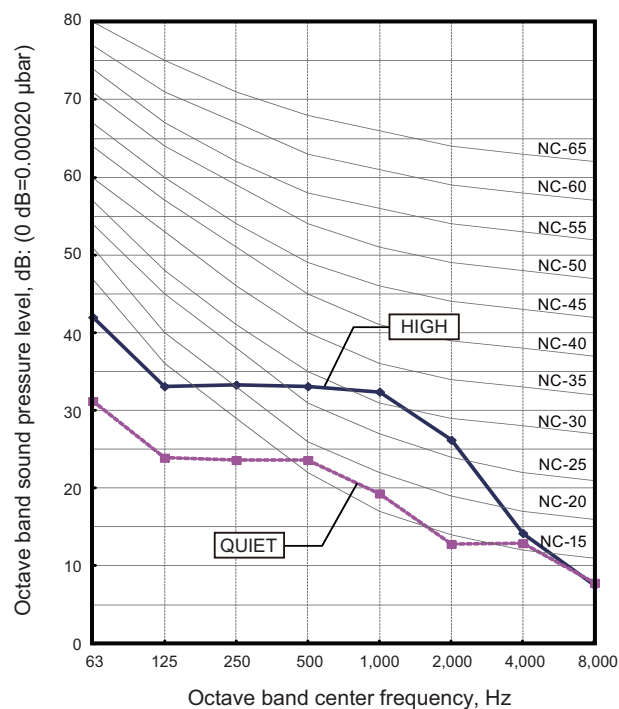
## 8-3. Wall mounted type

### Model: ASU7RLF1

#### ● Cooling

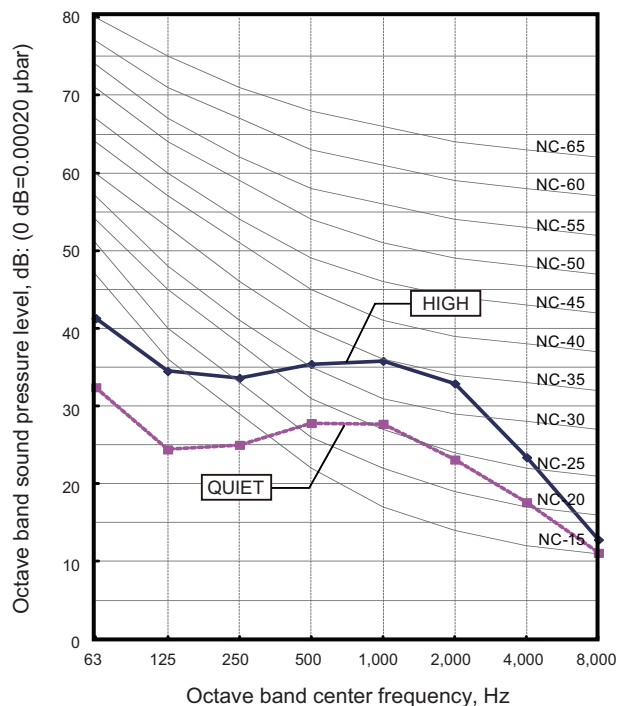


#### ● Heating

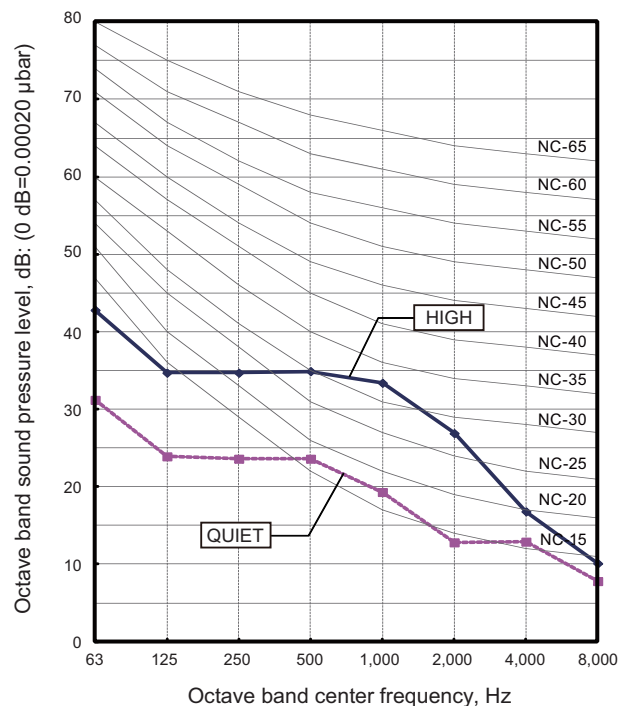


### Model: ASU9RLF1

#### ● Cooling

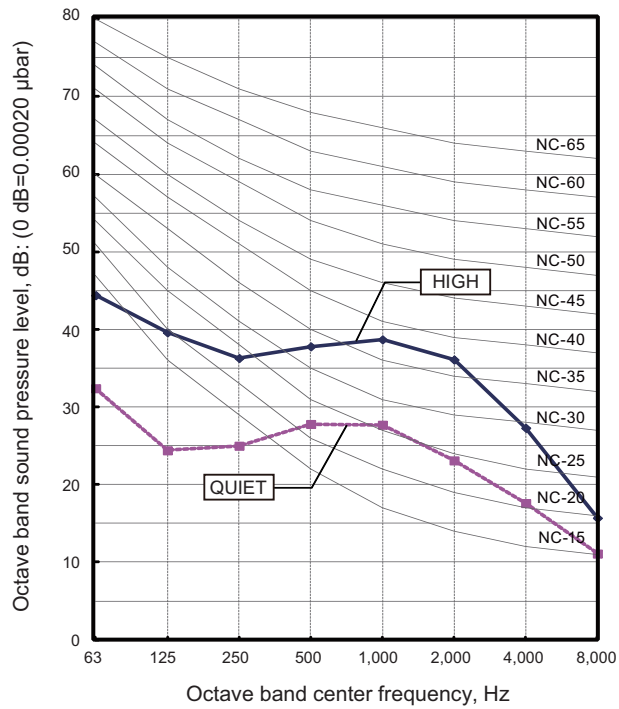


#### ● Heating

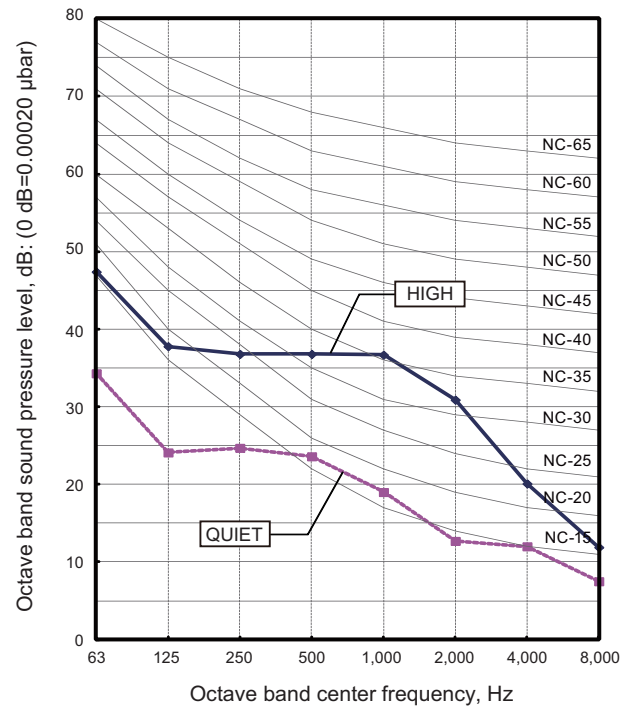


## Model: ASU12RLF1

### Cooling

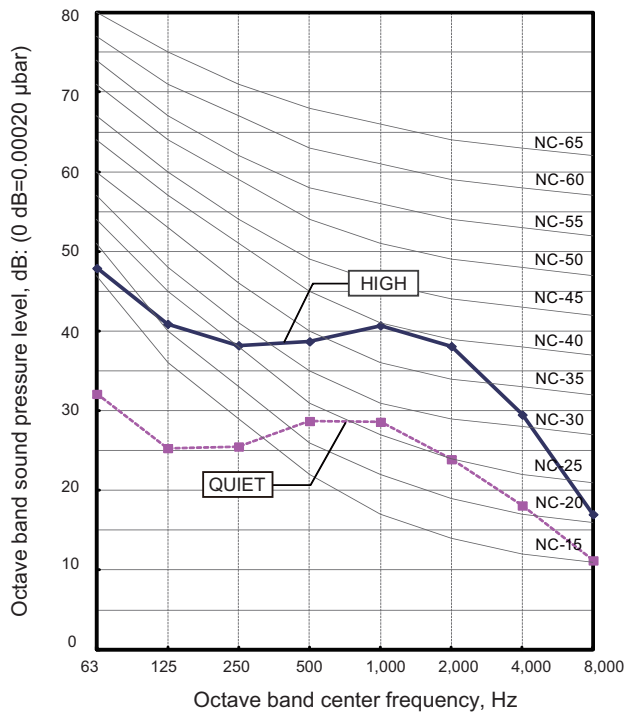


### Heating

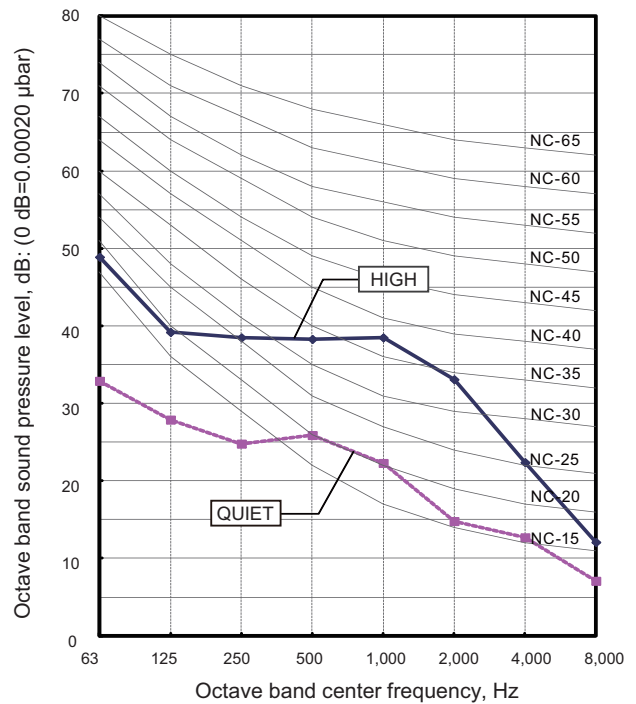


## Model: ASU15RLF1

### Cooling

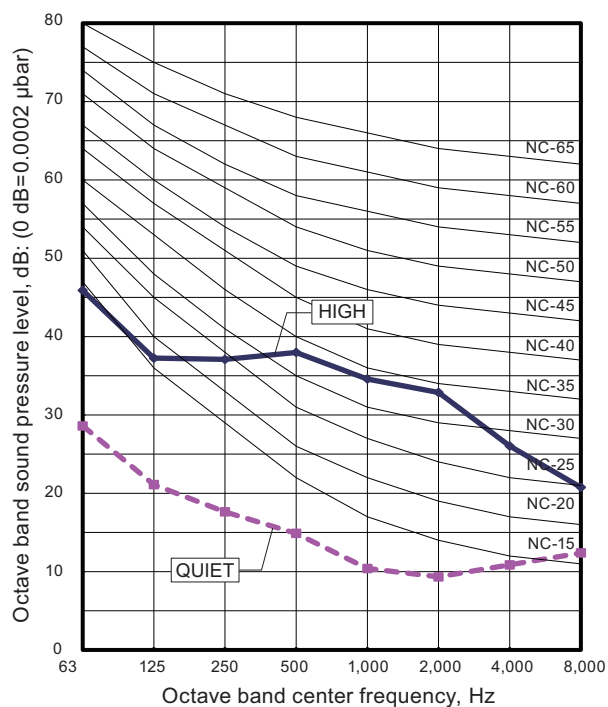


### Heating

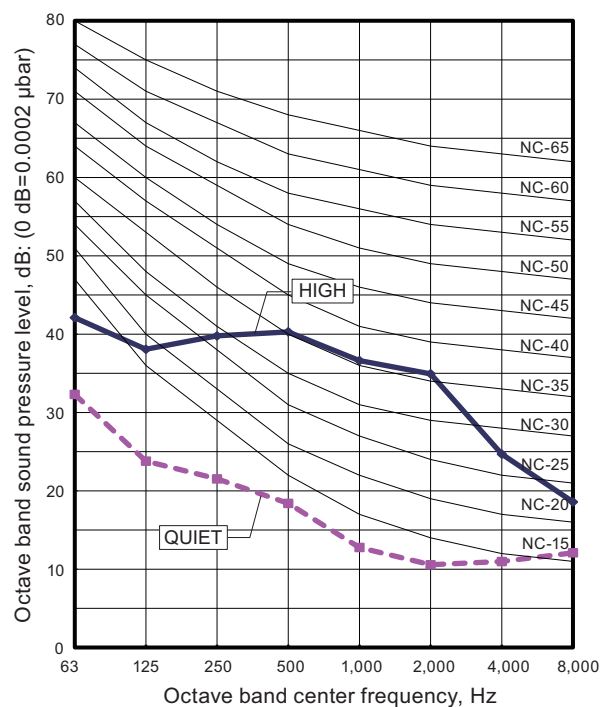


## Models: ASUH07LPAS and ASUH09LPAS

### Cooling

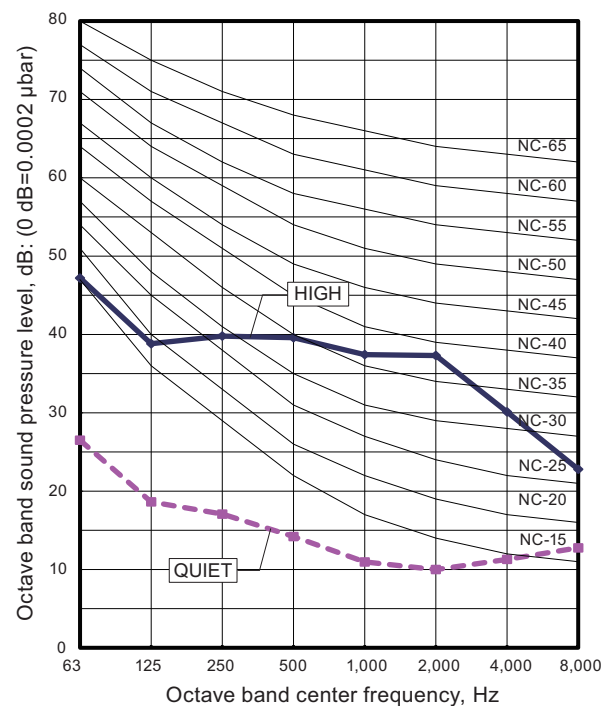


### Heating

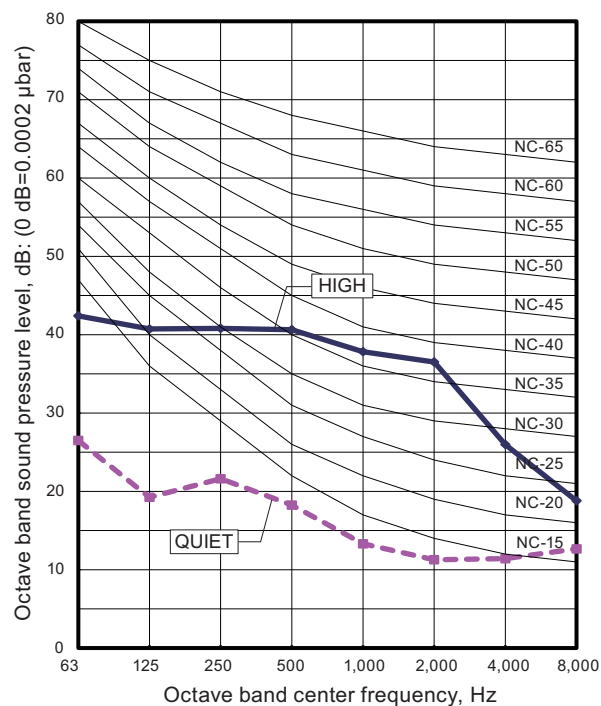


## Models: ASUH12LPAS and ASUH15LPAS

### Cooling

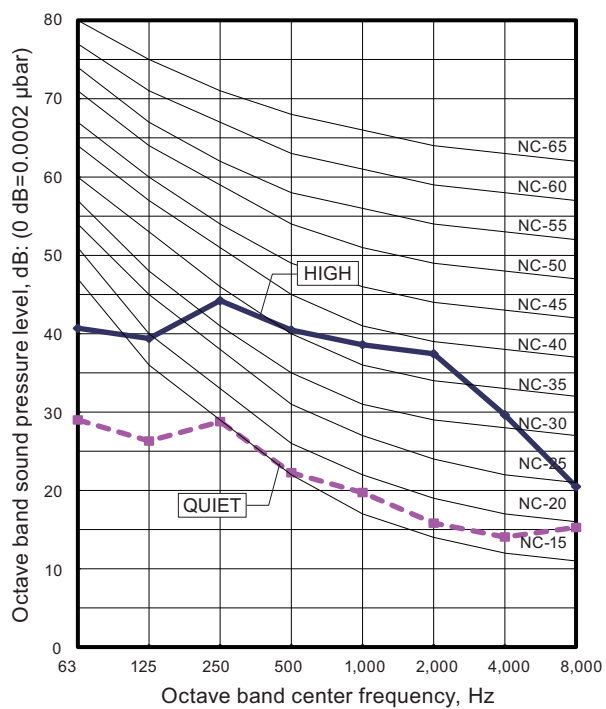


### Heating

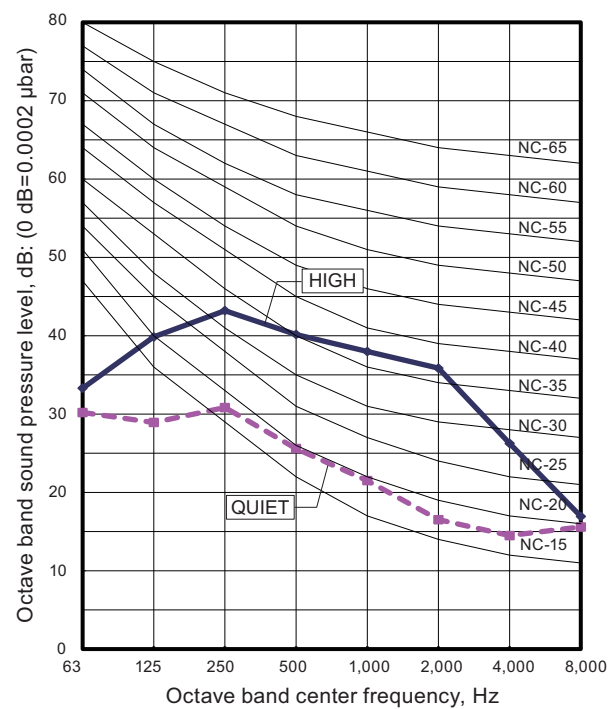


## Models: ASUH18LPAS

### ● Cooling



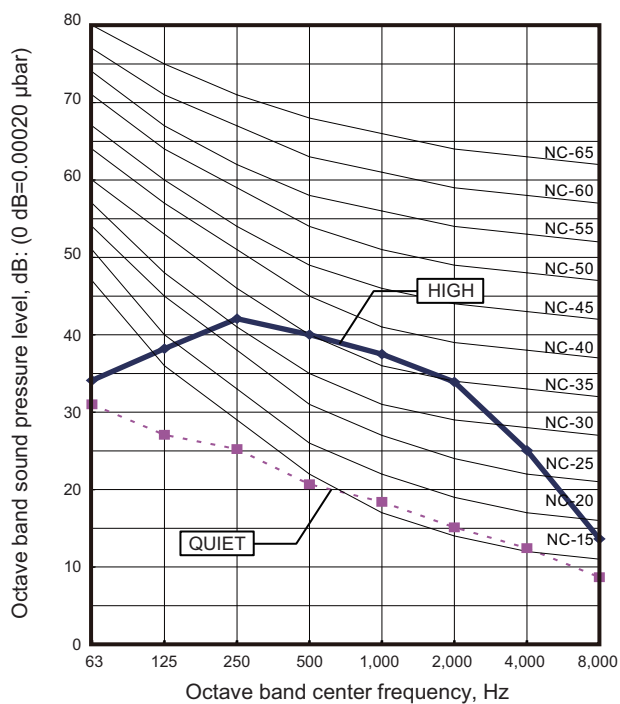
### ● Heating



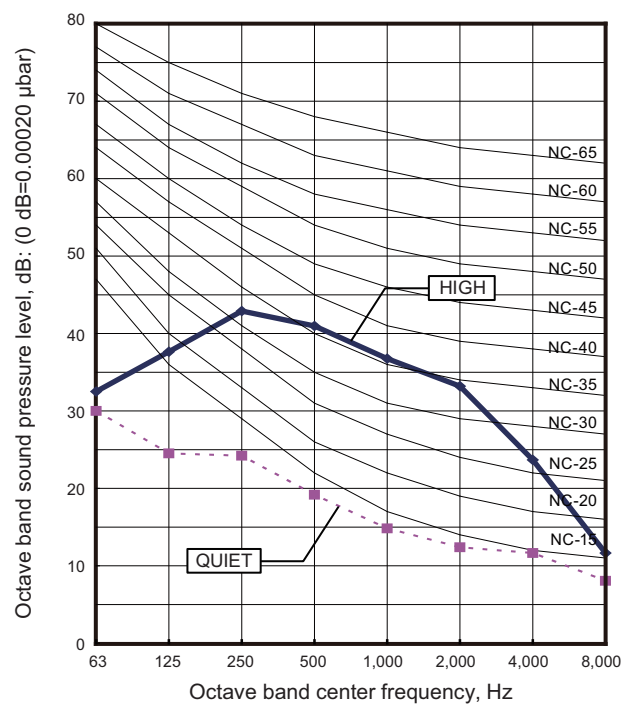
## 8-4. Floor type

### ■ Model: AGU9RLF

#### ● Cooling

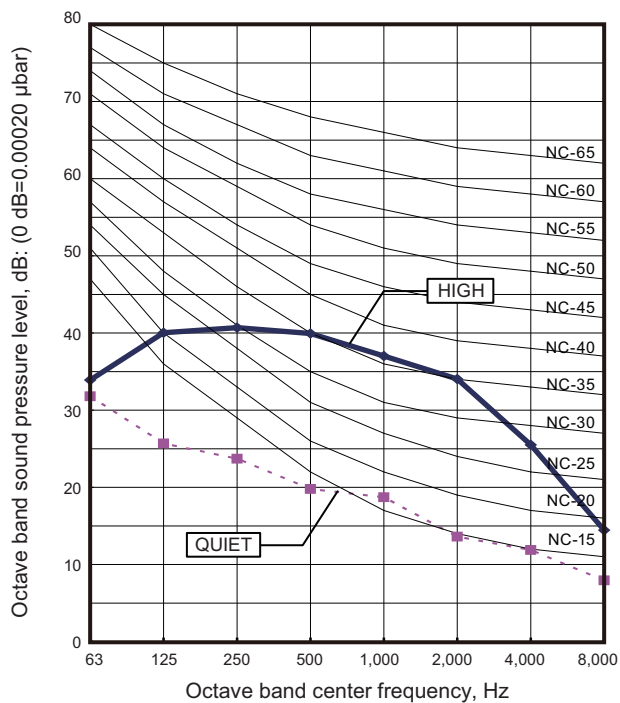


#### ● Heating

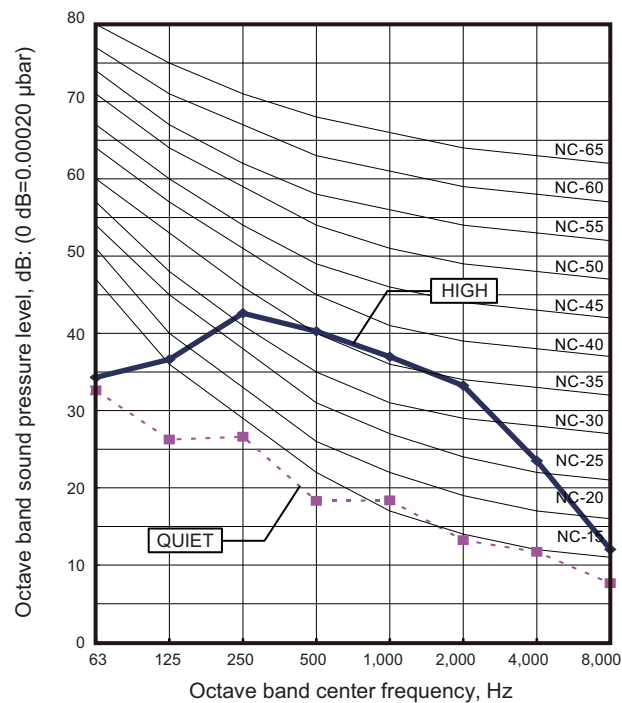


### ■ Model: AGU12RLF

#### ● Cooling

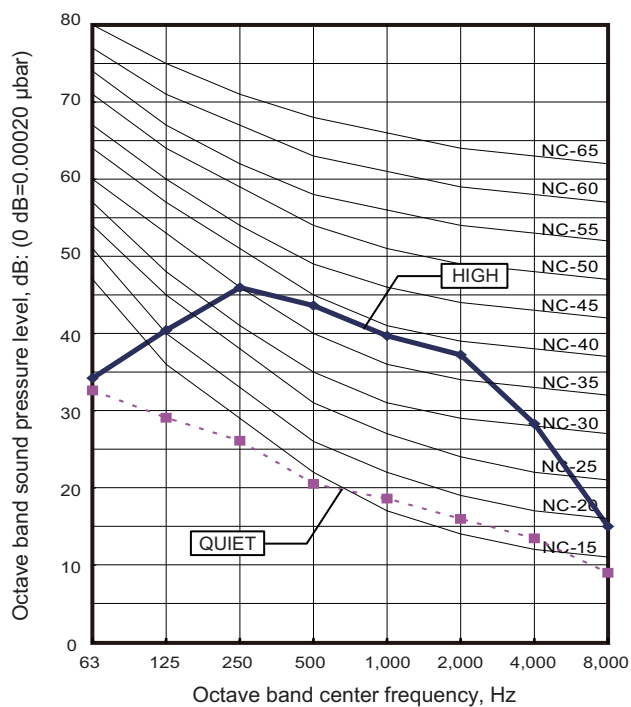


#### ● Heating

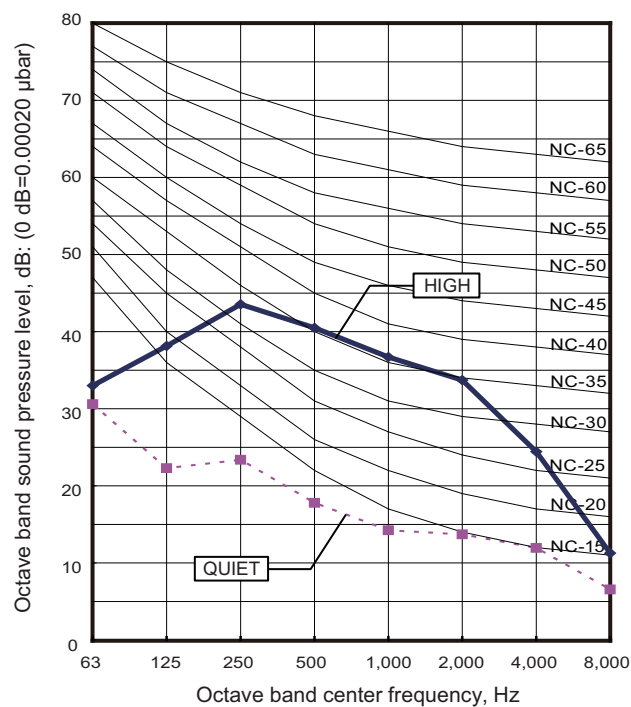


# **Model: AGU15RLF**

## ● Cooling

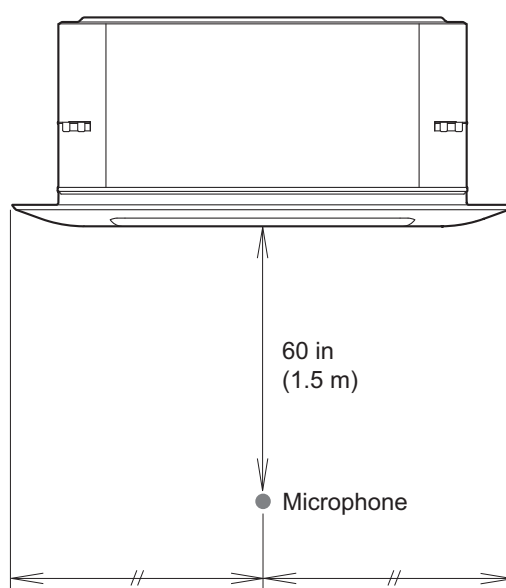
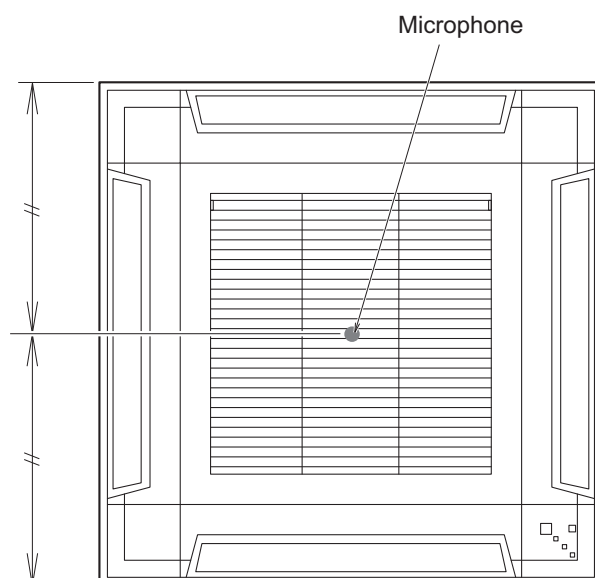


## ● Heating

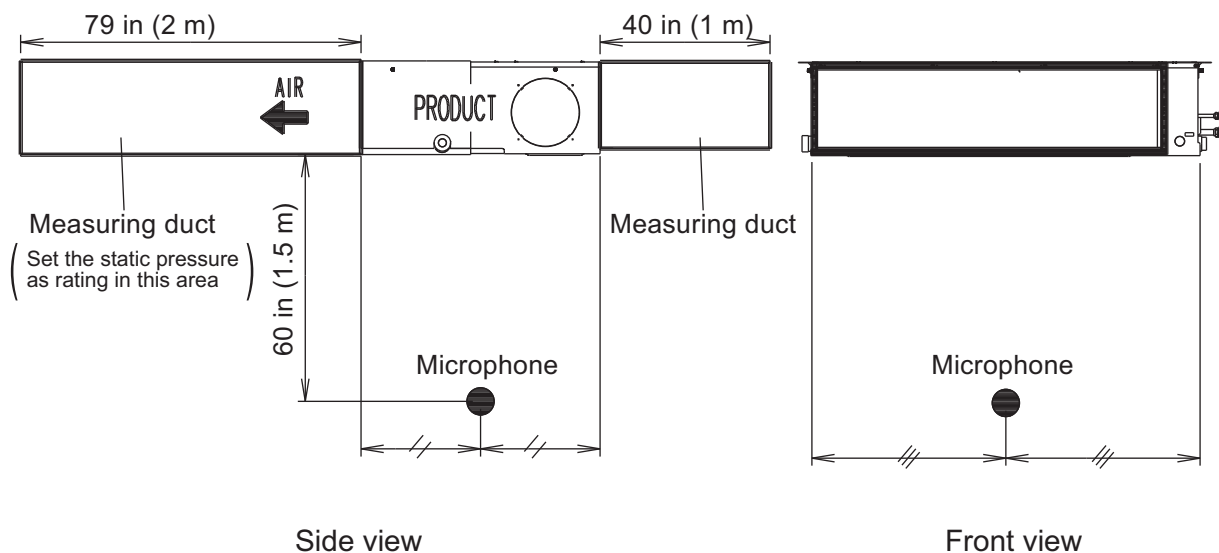


## 8-5. Sound level check point

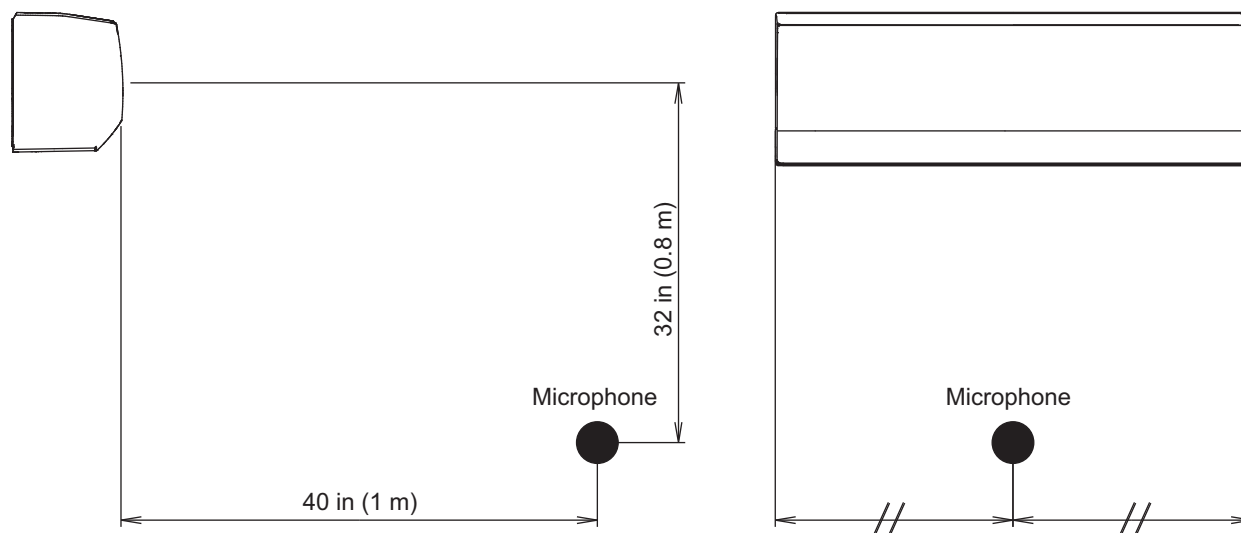
### ■ Compact cassette type



## ■ Slim duct type

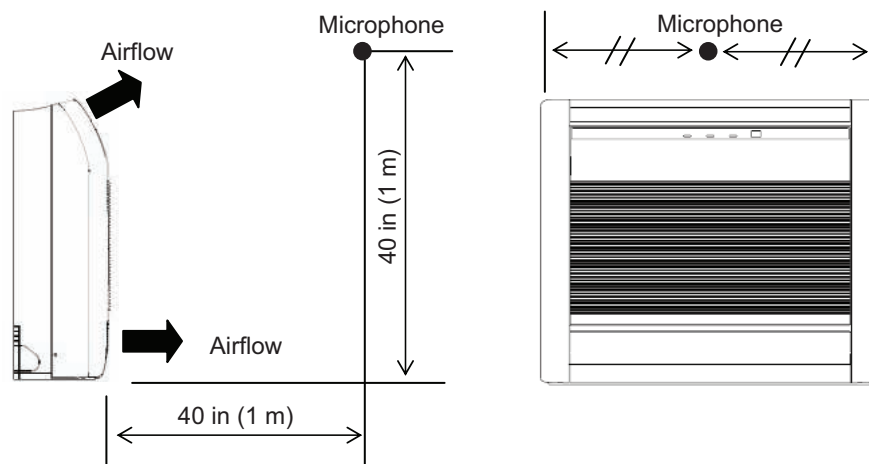


## ■ Wall mounted type



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

## ■ Floor type



## 9. Electrical characteristics

		Power supply			Indoor rated	
Type	Model name	Hz	Voltage (V)	MCA (A)	Input power (W)	FLA (A)
Compact cassette	ACUH07LUAS1	60	208/230	0.19/0.19	18/18	0.15/0.15
	ACUH09LUAS1			0.19/0.19	18/18	0.15/0.15
	ACUH12LUAS1			0.24/0.24	22/22	0.20/0.20
	ACUH18LUAS1			0.41/0.38	39/39	0.32/0.30
Slim duct	ADUH07LUAS1			0.40/0.38	33/33	0.32/0.30
	ADUH09LUAS1			0.40/0.38	49/49	0.32/0.30
	ADUH12LUAS1			0.47/0.44	58/58	0.37/0.35
	ADUH18LUAS1			0.59/0.55	73/73	0.47/0.44
Wall mounted	ASU7RLF1			0.18/0.16	15/15	0.14/0.13
	ASU9RLF1			0.20/0.19	17/17	0.16/0.15
	ASU12RLF1			0.25/0.24	22/22	0.20/0.19
	ASU15RLF1			0.34/0.31	28/28	0.27/0.25
	ASUH07LPAS			0.25/0.23	18/18	0.20/0.18
	ASUH09LPAS			0.29/0.25	22/22	0.23/0.20
	ASUH12LPAS			0.34/0.30	26/26	0.27/0.24
	ASUH15LPAS			0.49/0.44	42/42	0.39/0.35
	ASUH18LPAS			0.44/0.40	34/34	0.35/0.32
Floor	AGU9RLF			0.36/0.33	35/32	0.29/0.26
	AGU12RLF			0.36/0.33	35/32	0.29/0.26
	AGU15RLF			0.41/0.38	40/36	0.33/0.30

Wiring spec. (Indoor unit to outdoor unit)	Connection cable	Size	AWG	14
		Limited wiring length	ft (m)	85 (26)

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

FLA: Full Load Amperes (Fan motor)

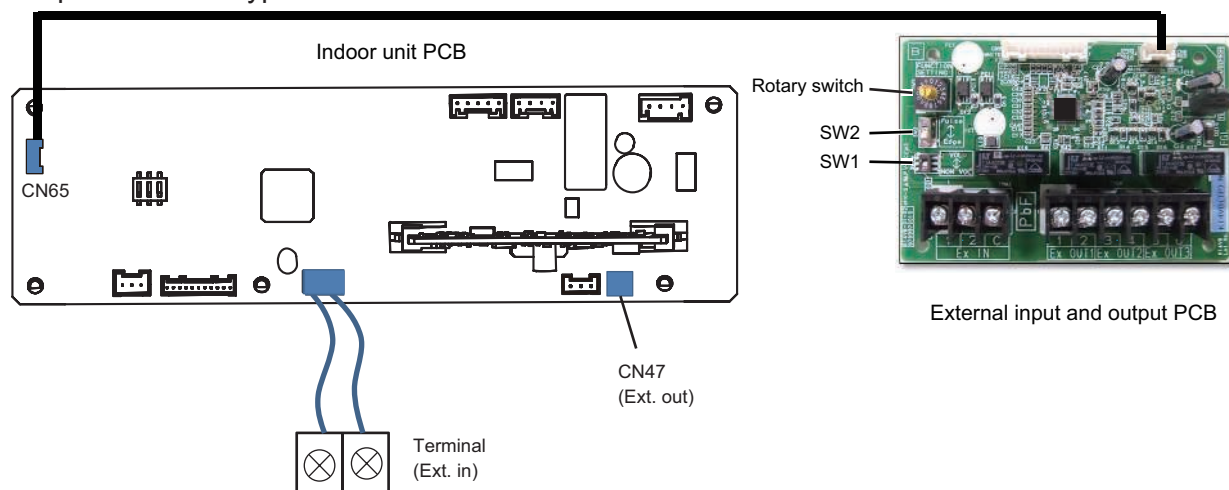
## 10. Safety devices

Indoor unit type	Model name	PCB* fuse	Fan motor thermal protector	Terminal thermal fuse	Float switch
Compact cassette	ACUH07LUAS1 ACUH09LUAS1 ACUH12LUAS1 ACUH18LUAS1	250 V, 5 A	Activate: 212 ±27°F (100 ±15°C) Fan motor stop Reset: 203 ±18°F (95 ±10°C) Fan motor restart	—	○
Slim duct	ADUH07LUAS1 ADUH09LUAS1 ADUH12LUAS1 ADUH18LUAS1	250 V, 5 A	Activate: 275 ±27°F (135 ±15°C) Fan motor stop Reset: 239 ±27°F (115 ±15°C) Fan motor restart	—	○
Wall mounted	ASU7RLF1 ASU9RLF1 ASU12RLF1 ASU15RLF1	250 V, 3.15 A	Activate: 221 ±18°F (105 ±10°C) Fan motor stop Reset: 194 ±18°F (90 ±10°C) Fan motor restart	—	—
	ASUH07LPAS ASUH09LPAS ASUH12LPAS ASUH15LPAS ASUH18LPAS	250 V, 3.15 A	Activate: 257±18°F (125 ±10°C) Fan motor stop Reset: 212 ±18°F (100 ±10°C) Fan motor restart	—	—
Floor	AGU9RLF AGU12RLF AGU15RLF	250 V, 3.15 A	Activate: 302 ±27°F (150 ±15°C) Fan motor stop Reset: 248 ±27°F (120 ±15°C) Fan motor restart	Activate: 216°F (102°C)	—

\*: Printed Circuit Board

# 11. External input and output (Compact cassette type and slim duct type indoor unit)

- Compact cassette type



- Slim duct type

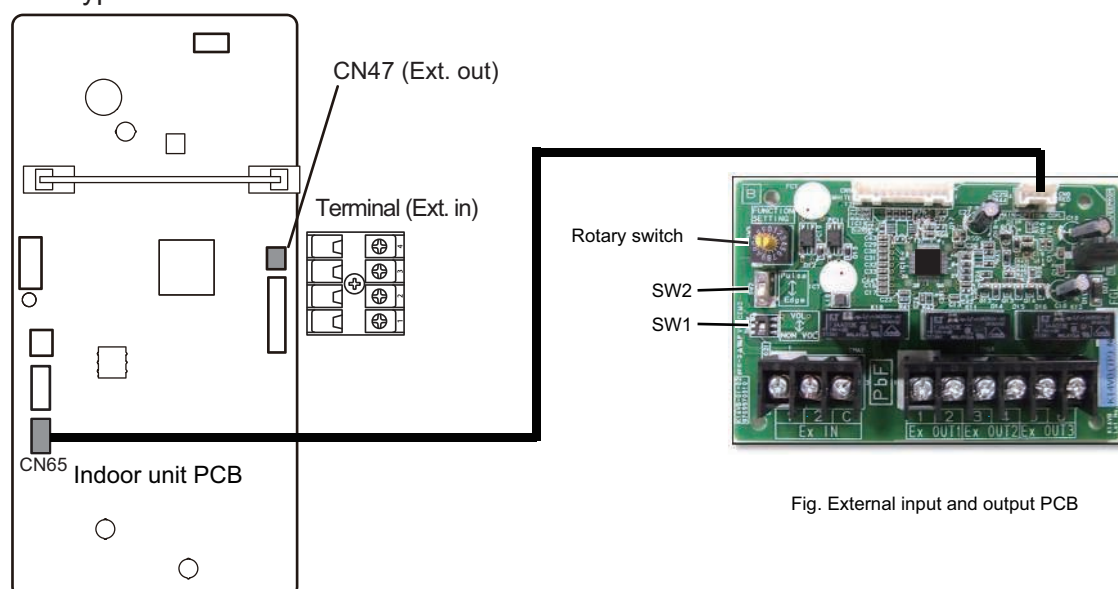


Fig. External input and output PCB

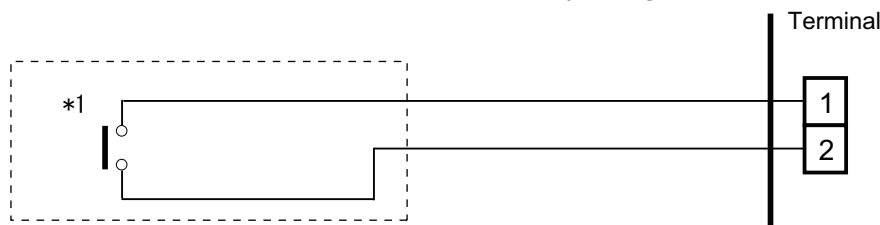
PCB	External input	External output	Connector	Input select	Input signal	External connect kit (Optional parts)
Indoor unit	Operation/Stop Forced stop	—	Terminal	Dry contact	Edge	—
	—	Operation status	CN47	—	—	UTY-XWZXZG
		Error status				
		Indoor unit fan operation status	CN47			—
External input and output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

## 11-1. External input

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

- "Operation/Stop" mode or "Forced stop" mode can be selected with function setting of indoor unit.
- A twisted pair cable (22AWG) should be used. Maximum length of cable is 492 ft (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 input and output PCB

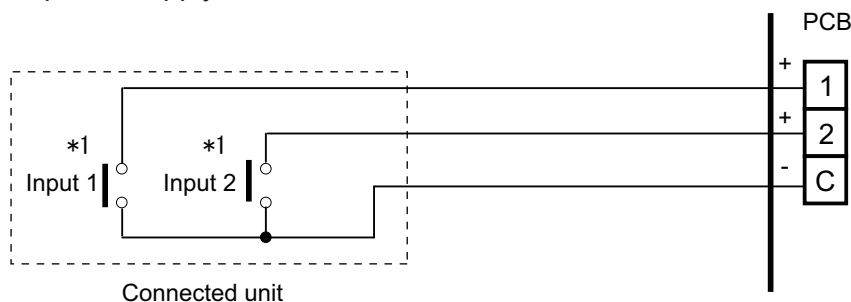
The indoor unit Operation/Stop can be set by using the input terminal on the PCB.

#### Input select

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

- Dry contact

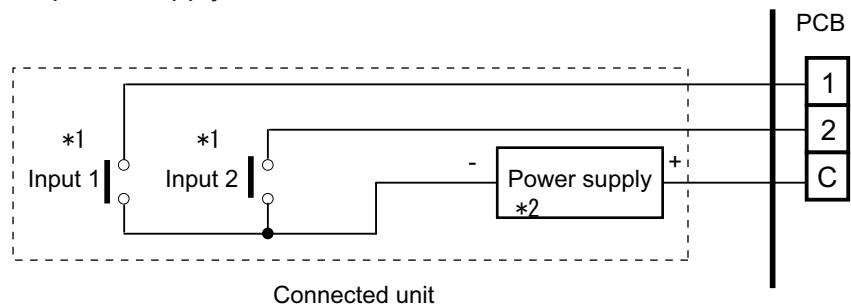
In case of internal power supply, set the slide switch of SW1 to "NON VOL" side.



\*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.

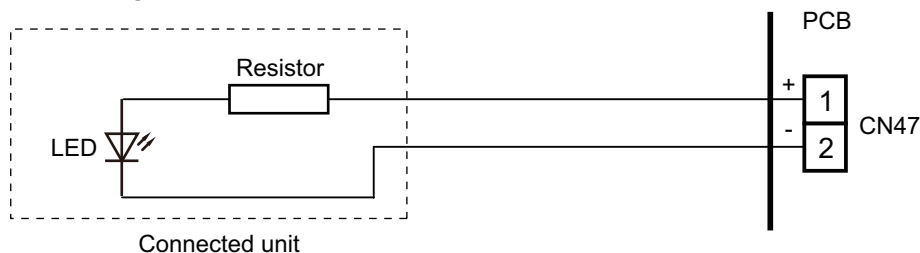
## 11-2. External output

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 82 ft (25 m).
- Output voltage: High DC 12 V  $\pm$  2 V, Low 0 V.
- Permissible current: 50 mA
- For details, refer to ["Combination of external input and output"](#) on page 80.

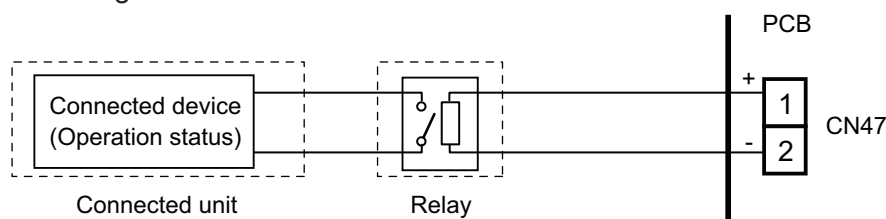
### ● When indicator, etc. are connected directly

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



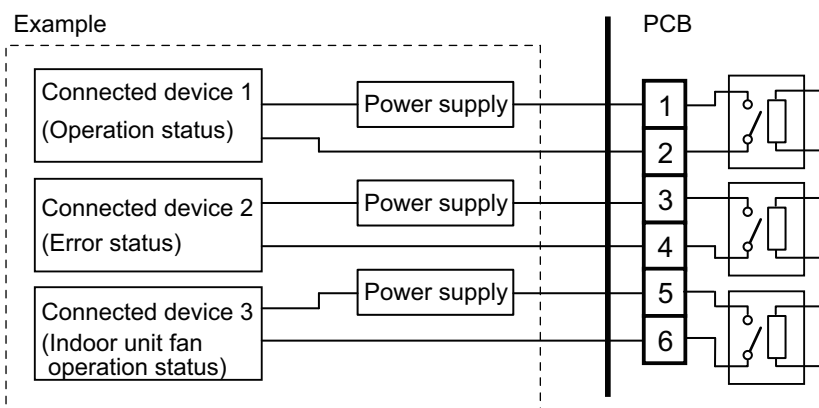
### ● When connecting with a device equipped with a power supply

**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 11-3. ["Combination of external input and output"](#) on page 80.



## 11-3. 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		
				Input 1	Input 2	Signal type
0-1	60-00	1	Operation/Stop (Function setting 46-00) or Forced stop (Function setting 46-02)	Operation/Stop	Not available	Edge
				Operation	Stop	Pulse
0-2	60-00	2		Forced Thermostat OFF	Not available	Edge
1	60-01	3		Mechanical cooling Off		
2	60-02	4		Forced thermostat Off		
3	60-03	5		Mechanical cooling On		
4	60-04	6		Mechanical cooling On		
5	60-05	7		Forced thermostat Off		
6	60-06	8		Forced thermostat Off		
7	60-07	9		Mechanical cooling Off		
8	60-08	A		Forced thermostat Off		
9	60-09	B		Forced Thermostat OFF		
10	60-10	C		Forced Thermostat OFF		
11	60-11	D		Forced Thermostat OFF		
12	60-12	D		Forced Thermostat OFF		

Mode	Function setting	External input and output PCB (Rotary SW)	External output			
			Indoor unit Output	External input and output PCB		
				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	60-01	3	Cooling thermostat On	Error status	Indoor unit fan operation status	External heater output
2	60-02	4	Cooling thermostat On	Error status	Remote controller output	External heater output
3	60-03	5	Cooling thermostat On	Cooling high/low output	Remote controller output	External heater output
4	60-04	6	Cooling thermostat On	Error status	Remote controller output	Cooling high/low output
5	60-05	7	Heating thermostat On	Error status	Indoor unit fan operation status	External heater output
6	60-06	8	Operation/Stop	Error status	Indoor unit fan operation status	Heating thermostat On
7	60-07	9	Cooling thermostat On	Error status	Heating thermostat On	External heater output
8	60-08	A	Cooling thermostat On	Heating thermostat On	Remote controller output	External heater output
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
12	60-12	D	Setpoint Attainment status	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 (Remote controller enabled)

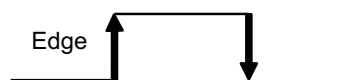
01: (Setting prohibited)

02: Forced stop

03: Operation/Stop mode 2 (Remote controller disabled)

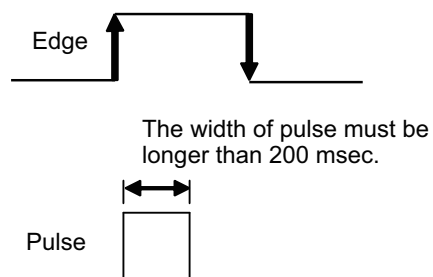
## ■ Input signal type

- 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.



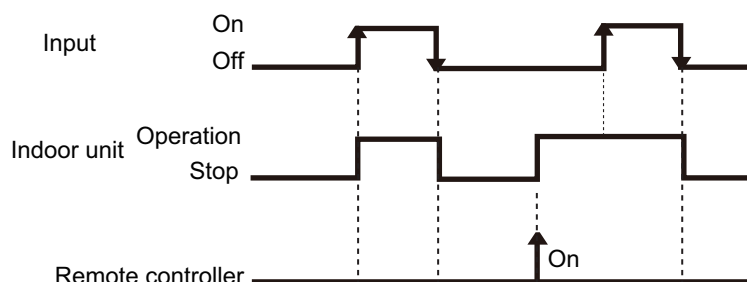
## 11-4. Details of function

### ■ Control input function

#### ● When function setting is "Operation/Stop" mode 1

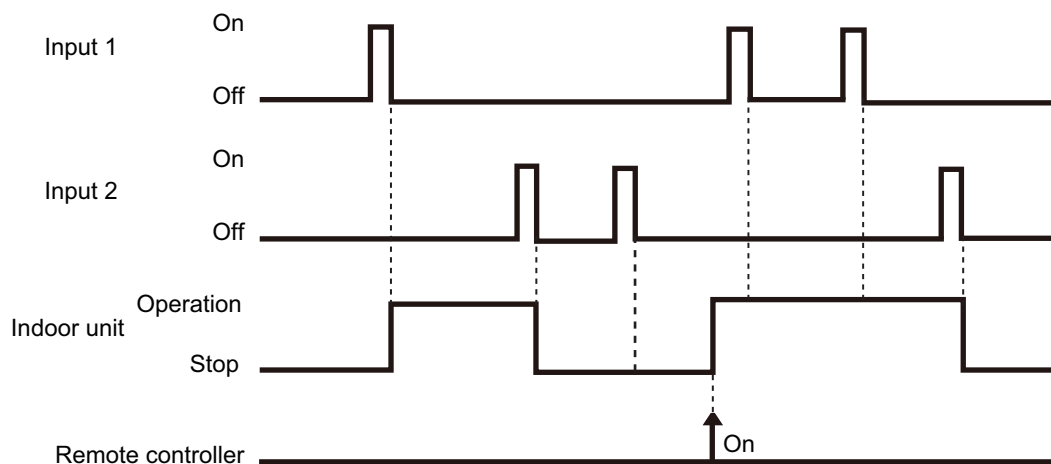
- In the case of "Edge" input

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



- 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



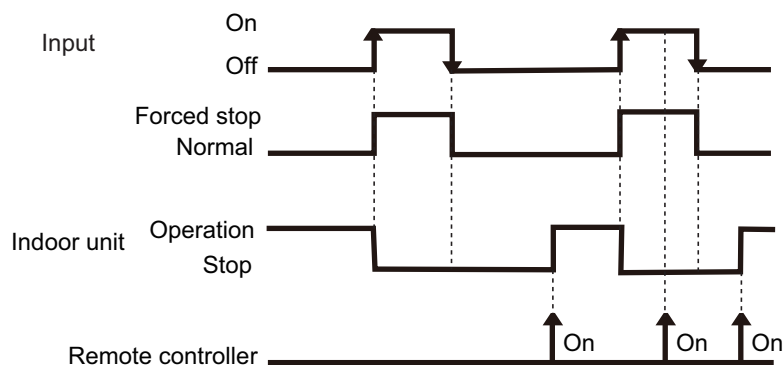
#### NOTES:

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

## ● When function setting is "Forced stop" mode

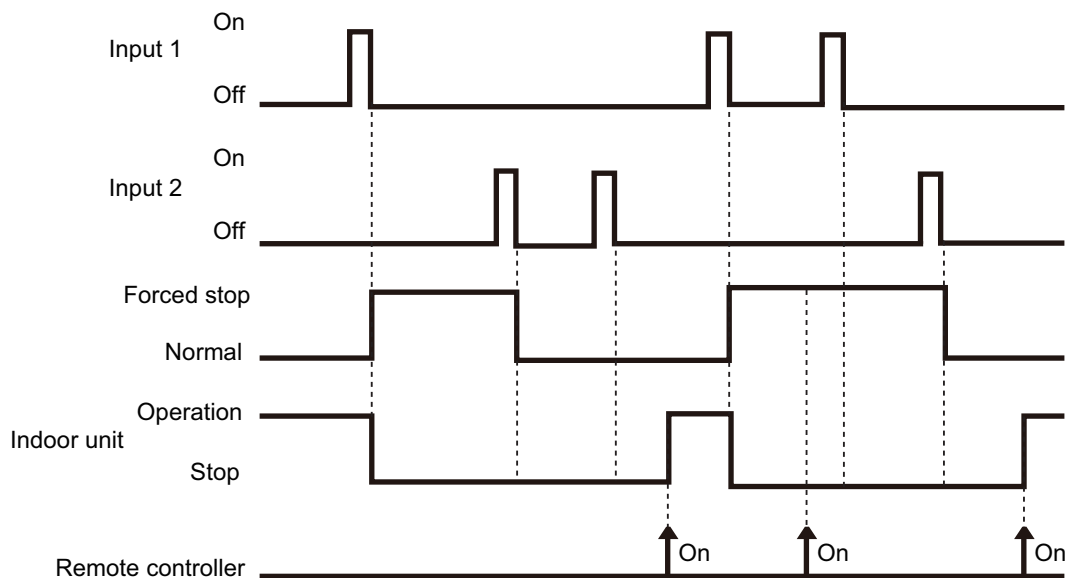
- In the case of "Edge" input

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



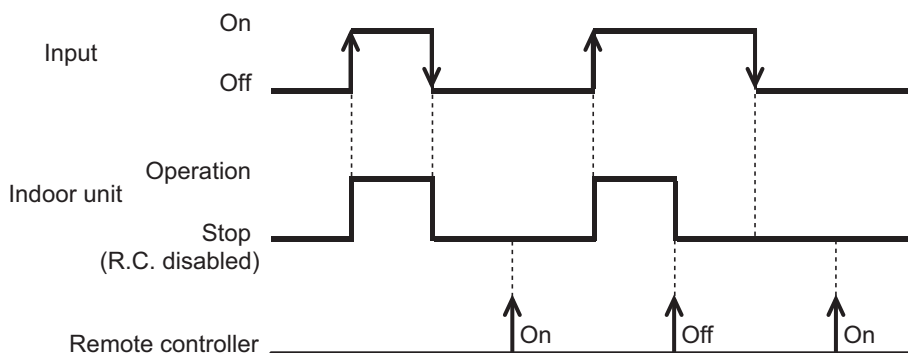
### NOTES:

- 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.

## ● When function setting is "Operation/Stop" mode 2

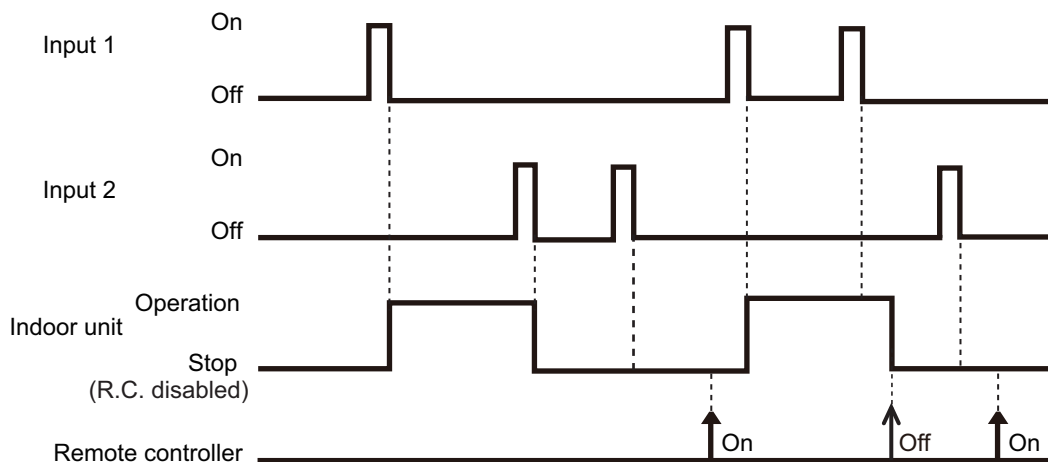
- In the case of "Edge" input

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 (Remote controller disabled)
	60-00 / 1	External input and output PCB	Input 1	Off → On	Operation
				On → Off	Stop (Remote controller 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 (Remote controller disabled)

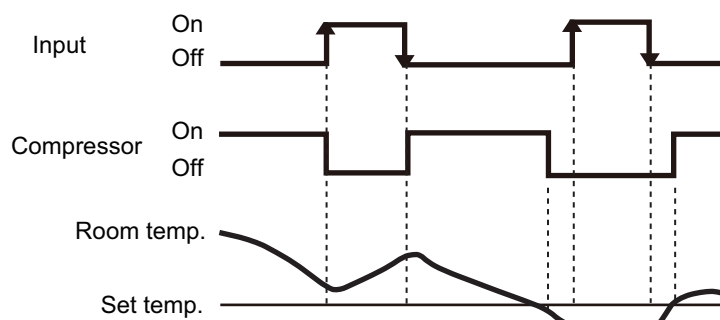


### NOTES:

- 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.

## ■ Forced thermostat off function

Function setting /	Rotary SW of External input and output PCB	External input		Input signal	Command
60-00 / 2 60-02 / 4 60-05 / 7 60-06 / 8 60-08 / A 60-09 / B 60-10 / C 60-11 / D		External input and output PCB	Input 1	Off → On	Thermostat off
				On → Off	Normal operation

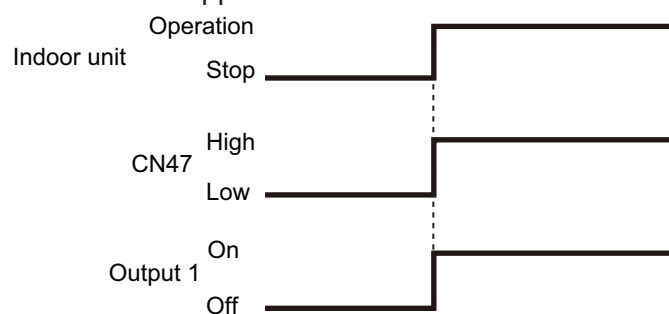


**NOTE:** When the signal is received from another unit on the refrigerant circuit, there may be a delay in thermostat off function at the unit.

## ■ Control output function

Function setting /	Rotary SW of External input and output PCB	External output		Output signal	Command
60-00 / 1, 2 60-06 / 8		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

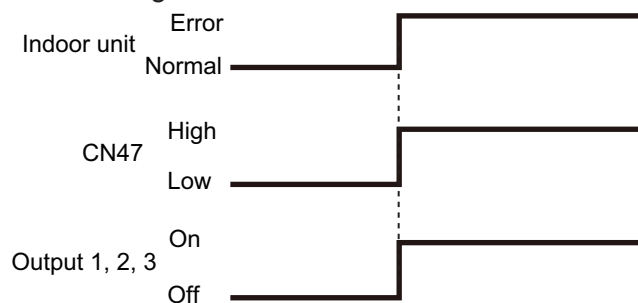
The output is low when the unit is stopped.



## ■ 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 60-01 / 3 60-02 / 4 60-04 / 6 60-05 / 7 60-06 / 8 60-07 / 9	External input and output PCB	Output 1	Off → On	Error	
			On → Off	Normal	
		Output 2	Off → On	Error	
			On → Off	Normal	
		Output 3	Off → On	Error	
On → Off			Normal		
60-00 / 1 60-10 / C					
60-11 / D					

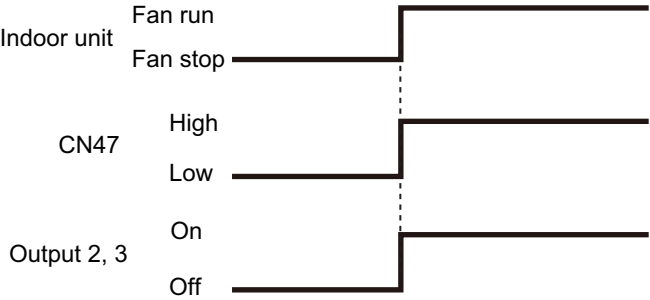
The output is ON when an error is generated for the indoor unit.



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 60-01 / 3 60-05 / 7 60-06 / 8 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.



## ■ External heater output

Control	Primary heater	Auxiliary heater	Function setting
			Indoor unit
			Control switching external heaters No. 61
Auxiliary heater control 1	Heat pump	External device* <sup>1</sup>	61-00
Auxiliary heater control 2	Heat pump	External device	61-01
Heat pump prohibition control	External device	None	61-02
Auxiliary heater control by outdoor temperature 1	Heat pump	External device	61-03
Auxiliary heater control by outdoor temperature 2	Heat Pump	External device	61-04
Auxiliary heater control by outdoor temperature 3	Heat Pump	External device	61-05
Auxiliary heat pump control	External device	Heat pump	61-06
Auxiliary heat pump control by outdoor temperature 1	External device	Heat pump	61-07
Auxiliary heat pump control by outdoor temperature 2	External device	Heat pump	61-08
Auxiliary heat pump control by outdoor temperature 3	External device	Heat pump	61-09

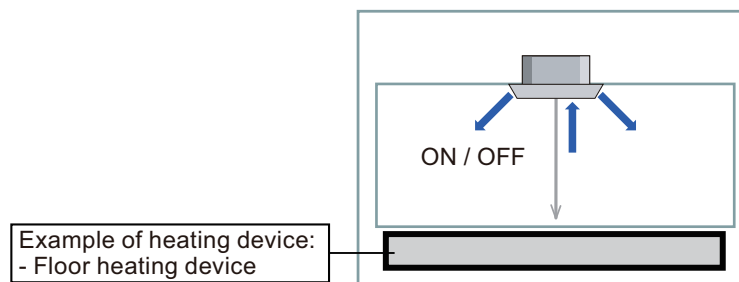
### NOTES:

- After turning off the heater, 3 minutes of standby time is required by next power-on of the heater.
- For items marked “—” in the table, any of validate or invalidate of the setting are acceptable.
- \*1: External device means Hot water, Electrical heater, etc.

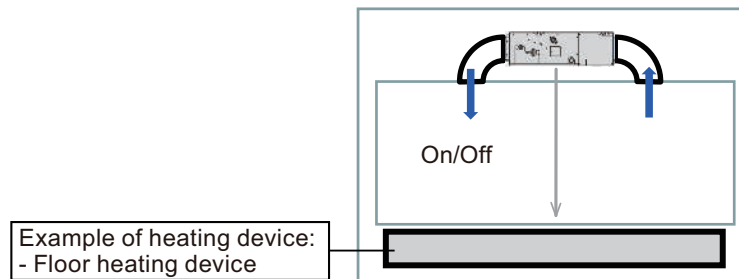
## ● Installation configuration of individual connection

External heating device is installed individually. (No use of indoor unit fan)

- Cassette type



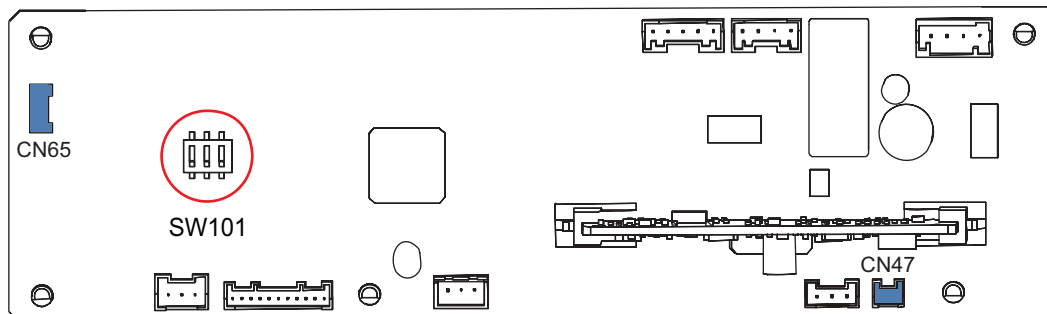
- Duct type



**⚠ WARNING**

- Cassette type

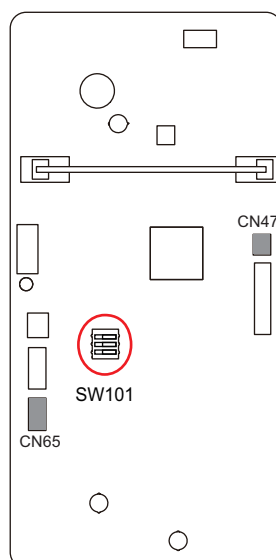
Operation	Condition
Heater off	<ul style="list-style-type: none"> <li>• Heater is off as shown in following diagram of heating temperature.</li> <li>• Other than heating mode</li> <li>• Error occurred</li> <li>• Forced thermostat off</li> </ul>



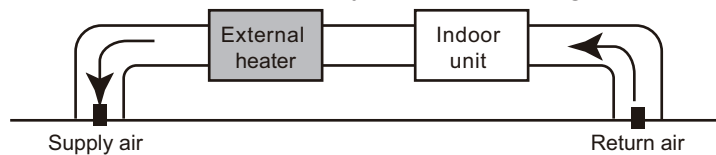
- Duct type

**DIP Switch 101-3 must be in the ON position when ducted electric heat application is being used.** DIP switch 101-3 is set in the ON position by default from the factory. When DIP switch 101-3 is in the ON position and ducted electric heat application is not being used, cold draft occurs due to fan delay off operation.

Operation			Condition
Heater off	DIP-SW101-3 Indoor unit fan setting for external heater	On  Enabled	<ul style="list-style-type: none"> <li>• Heater is off as shown in following diagram of heating temperature.</li> <li>• Other than heating mode</li> <li>• Error occurred</li> <li>• Forced thermostat off</li> <li>• Fan stop protection</li> </ul>
	DIP-SW101-3 Indoor unit fan setting for external heater	Off  Disabled	<ul style="list-style-type: none"> <li>• Heater is off as shown in following diagram of heating temperature.</li> <li>• Other than heating mode</li> <li>• Error occurred</li> <li>• Forced thermostat off</li> </ul>



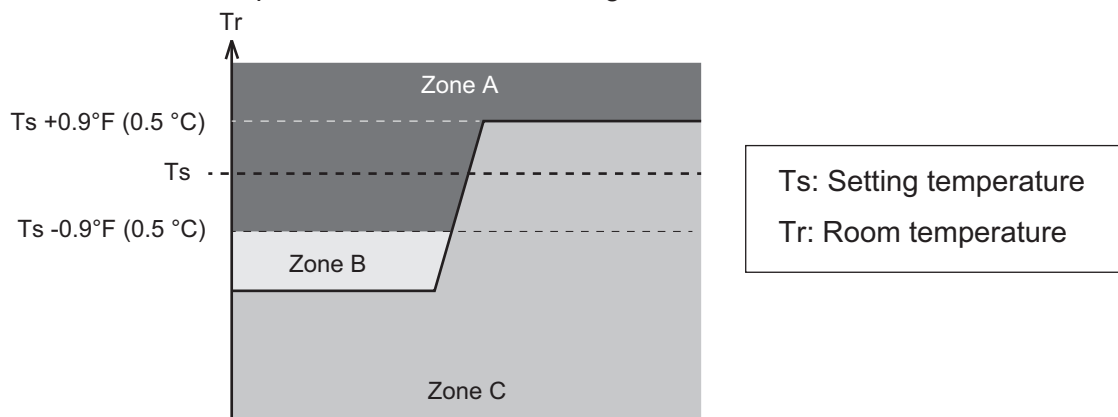
- Design and install external heater appropriately with considering its protection.



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

## ● Auxiliary equipment control by room temperature

Auxiliary equipment control is switchable by room temperature. Auxiliary equipment switching is performed for each room temperature divided to following 3 zones.



Zone	Application	When temperature dropping		When temperature rising	
		Primary	Auxiliary	Primary	Auxiliary
A	Both of primary and auxiliary equipment is unnecessary.	Off	Off	Off	Off
B	Primary heater only. When room temperature stays in zone B for a long time, auxiliary equipment also operates.	On	Off*1	—	—
C	Auxiliary equipment also operates.	On	On*2	On	On*2

\*1: For standby time for auxiliary equipment operation, refer to indoor unit function number 71 "[Contents of function setting](#)" on page 196.

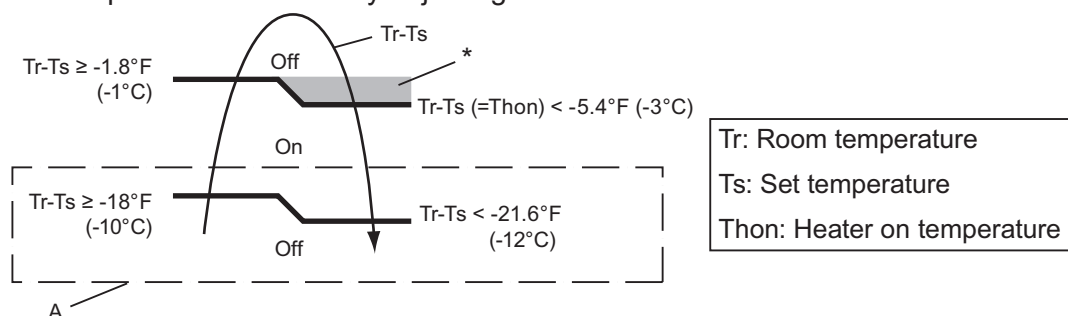
\*2: When indoor unit function number 61 is set to "00", auxiliary equipment operates according to the following conditions.

- Ts - Tr > 21.6 °F (-12.0 °C): Auxiliary equipment turn off.
- Ts - Tr > 18.0 °F (-10.0 °C): Auxiliary equipment turn on.

## ● Auxiliary heater control 1

Operation	Condition
Heater on	Heater is on as shown in following diagram of heating temperature.
Heater off	<ul style="list-style-type: none"> <li>Heater is off as shown in following diagram of heating temperature.</li> <li>Other than heating mode</li> <li>Error occurred</li> <li>Forced thermostat off</li> <li>Fan stop protection</li> </ul>

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



\*: 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 72°F (22°C) (Factory setting),

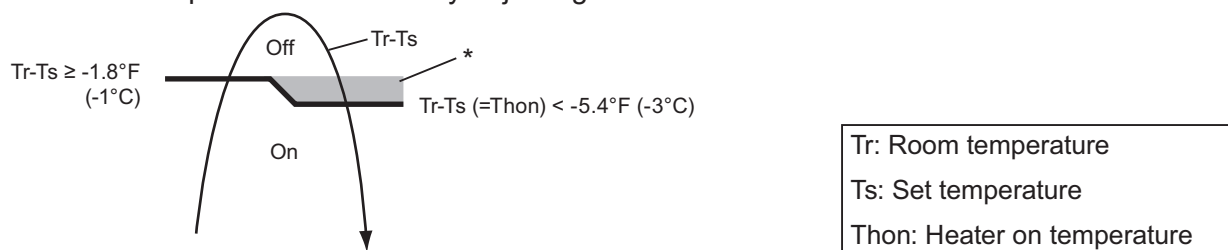
- and room temperature (Tr) increases above 53.6°F (12°C), signal output is on.
- and room temperature (Tr) increases above 69.8°F (21°C), signal output is off.
- and room temperature (Tr) decreases below 66.2°F (19°C), signal output is on.
- and room temperature (Tr) decreases below 50°F (10°C), signal output is off.

## ● Auxiliary heater control 2

Control that excludes "A" from "Auxiliary heater control 1" on page 94.

Operation	Condition
Heater on	Heater is on as shown in following diagram of heating temperature.
Heater off	<ul style="list-style-type: none"> <li>Heater is off as shown in following diagram of heating temperature.</li> <li>Other than heating mode</li> <li>Error occurred</li> <li>Forced thermostat off</li> <li>Fan stop protection</li> </ul>

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



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

## ● Heat pump prohibition control

Perform heating by external heater only. Indoor unit is continuous thermostat off.

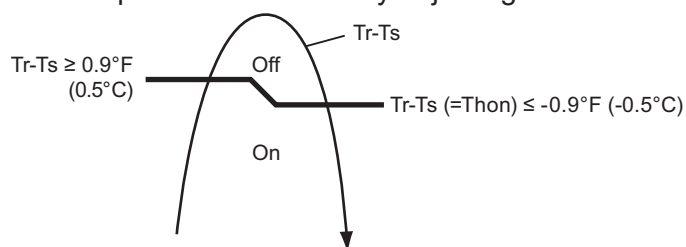
- Compact cassette type

Operation	Condition
Heater on	Heater is on as shown in following diagram of heating temperature.
Heater off	<ul style="list-style-type: none"> <li>• Heater is off as shown in following diagram of heating temperature.</li> <li>• Other than heating mode</li> <li>• Error occurred</li> <li>• Forced thermostat off</li> </ul>

- Slim duct type

Operation			Condition
Heater on			Heater is on as shown in following diagram of heating temperature.
Heater off	DIP-SW101-3	On	<ul style="list-style-type: none"> <li>• Heater is off as shown in following diagram of heating temperature.</li> <li>• Other than heating mode</li> <li>• Error occurred</li> <li>• Forced thermostat off</li> <li>• Fan stop protection</li> </ul>
	Indoor unit fan setting for external heater	Enabled	
	DIP-SW101-3	Off	
Indoor unit fan setting for external heater			<ul style="list-style-type: none"> <li>• Heater is off as shown in following diagram of heating temperature.</li> <li>• Other than heating mode</li> <li>• Error occurred</li> <li>• Forced thermostat off</li> </ul>

- 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

- Operation status

- Compact cassette type

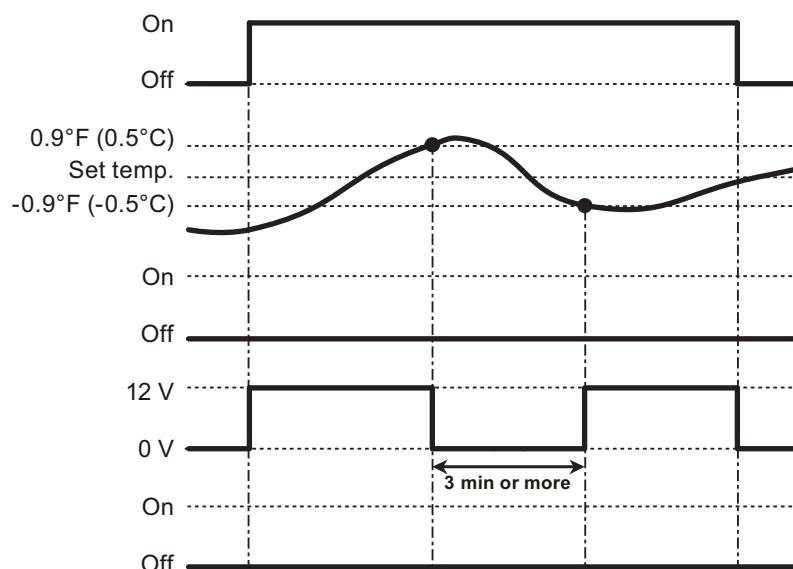
Heating operation

Room temperature

Air conditioner

Heater

Fan



- Slim duct type

Heating operation

Room temperature

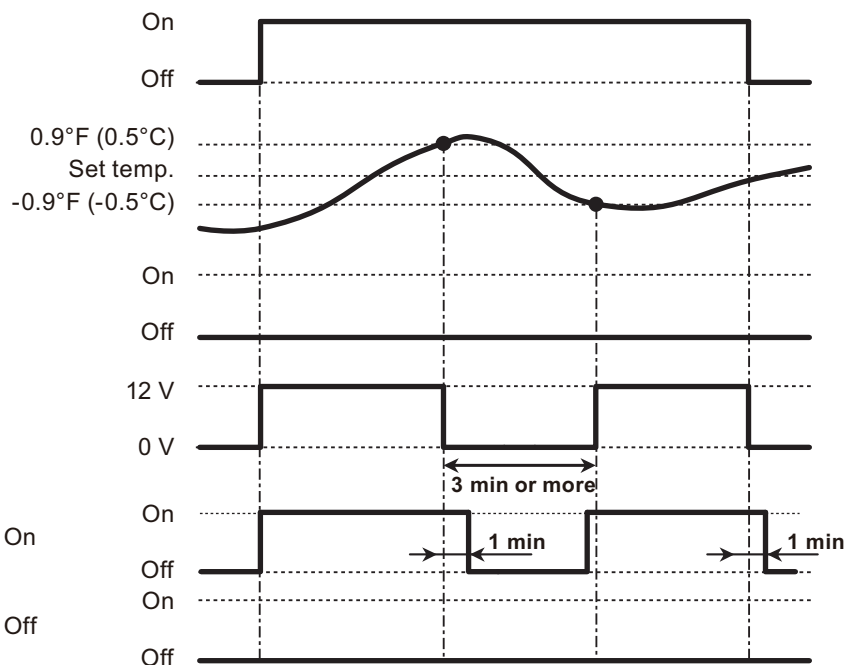
Air conditioner

Heater

DIP-SW101-3 On

Fan

DIP-SW101-3 Off



**NOTE:** In following operations, compressor will be on.

- Other than heating
- Test run

## ● Auxiliary heater control by outdoor temperature 1

This control selects heat pump or external heater according to the outdoor temperature. When outdoor temperature is high, the heating is performed by using heat pump only.

- Compact cassette type

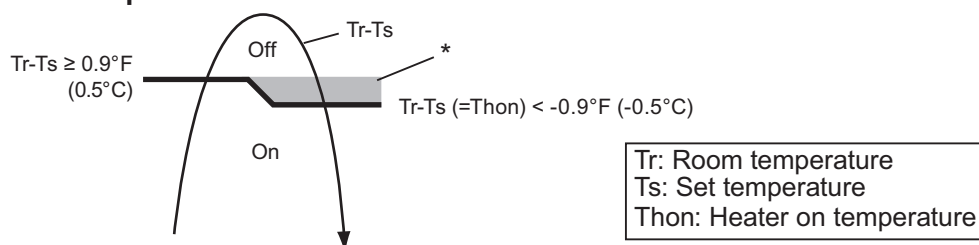
Operation	Condition
Heater on	Heater is on as shown in following diagram of heating temperature.
Heater off	<ul style="list-style-type: none"> <li>• Heater is off as shown in following diagram of heating temperature.</li> <li>• Other than heating mode</li> <li>• Error occurred</li> <li>• Forced thermostat off</li> <li>• Heat pump only zone</li> </ul>

- Slim duct type

Operation			Condition
Heater on			Heater is on as shown in following diagram of heating temperature.
Heater off	DIP-SW101-3	On	<ul style="list-style-type: none"> <li>• Heater is off as shown in following diagram of heating temperature.</li> <li>• Other than heating mode</li> <li>• Error occurred</li> <li>• Forced thermostat off</li> <li>• Heat pump only zone</li> <li>• Fan stop protection</li> </ul>
	Indoor unit fan setting for external heater	Enabled	
	DIP-SW101-3	Off	<ul style="list-style-type: none"> <li>• Heater is off as shown in following diagram of heating temperature.</li> <li>• Other than heating mode</li> <li>• Error occurred</li> <li>• Forced thermostat off</li> <li>• Heat pump only zone</li> </ul>
	Indoor unit fan setting for external heater	Disabled	

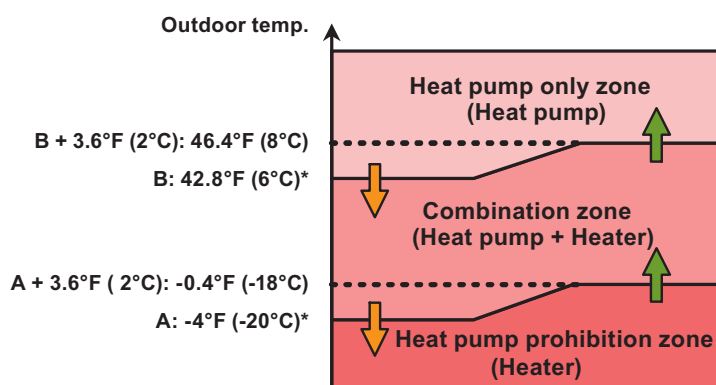
- Temperature of heater on (Thon): Adjustable by function number 62 (Operating temperature switching of external heaters).
- All control temperatures will shift by adjusting “Thon”.
- Outdoor temperature zone boundary A and B: Adjustable individually by function setting number 66 and 67.

- **External heater output**



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

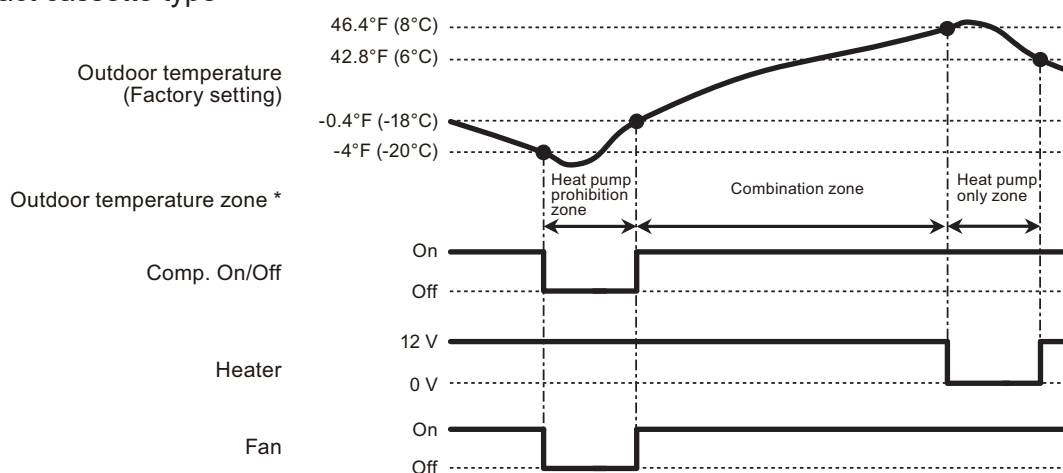
- Outdoor temperature zone



\*: Adjustable by function setting 66 and 67

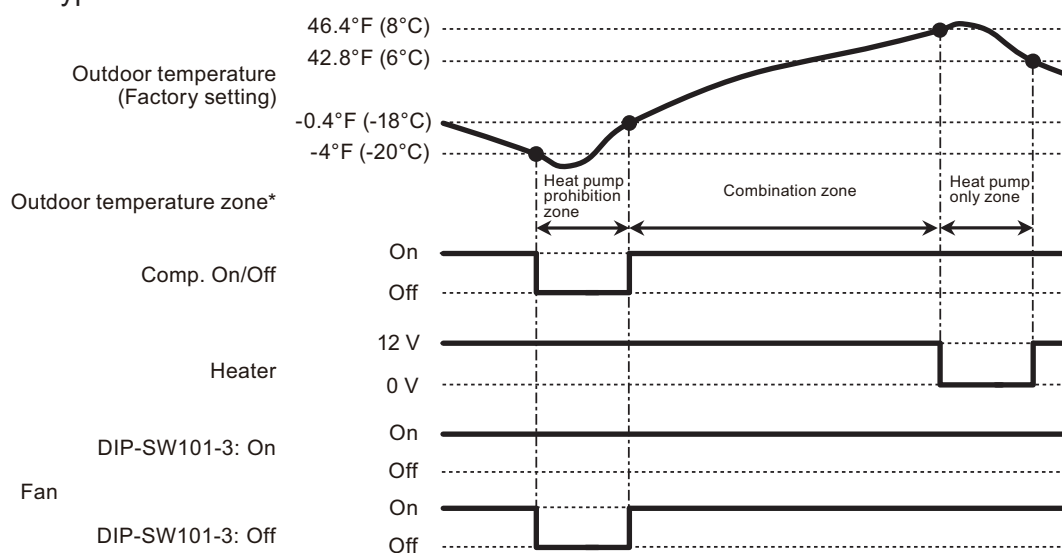
- Operation status

- Compact cassette type



\* The outdoor temperature zone transition from one to another will stay in that zone for minimum of 30 min.

- Slim duct type



\*: The outdoor temperature zone transition from one to another will stay in that zone for minimum of 30 min.

**NOTE:** In following operations, compressor will be on in heat pump prohibition zone.

- Other than heating
- Test run

## ● Auxiliary heater control by outdoor temperature 2

This control selects heat pump or external heater according to the outdoor temperature. Even when outdoor temperature is high, the heating is performed by using both of heat pump and external heater.

- Compact cassette type

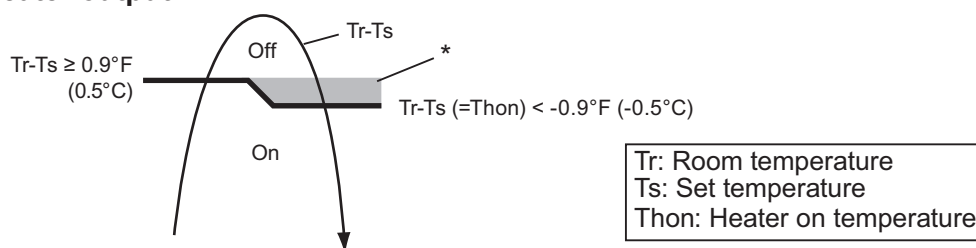
Operation	Condition
Heater on	Heater is on as shown in following diagram of heating temperature.
Heater off	<ul style="list-style-type: none"> <li>• Heater is off as shown in following diagram of heating temperature.</li> <li>• Other than heating mode</li> <li>• Error occurred</li> <li>• Forced thermostat off</li> </ul>

- Slim duct type

Operation			Condition
Heater on			Heater is on as shown in following diagram of heating temperature.
Heater off	DIP-SW101-3	On	<ul style="list-style-type: none"> <li>• Heater is off as shown in following diagram of heating temperature.</li> <li>• Other than heating mode</li> <li>• Error occurred</li> <li>• Forced thermostat off</li> <li>• Fan stop protection</li> </ul>
	Indoor unit fan setting for external heater	Enabled	
	DIP-SW101-3	Off	
	Indoor unit fan setting for external heater	Disabled	<ul style="list-style-type: none"> <li>• Heater is off as shown in following diagram of heating temperature.</li> <li>• Other than heating mode</li> <li>• Error occurred</li> <li>• Forced thermostat off</li> </ul>

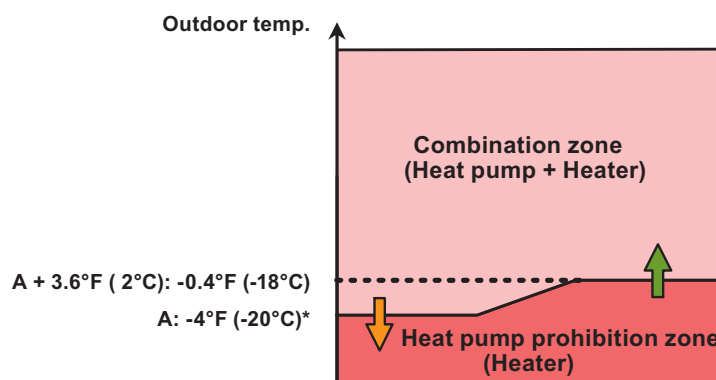
- Temperature of heater on (Thon): Adjustable by function number 62 (Operating temperature switching of external heaters).
- All control temperatures will shift by adjusting "Thon".
- Outdoor temperature zone boundary A: Adjustable by function setting number 666666.

- **External heater output**



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

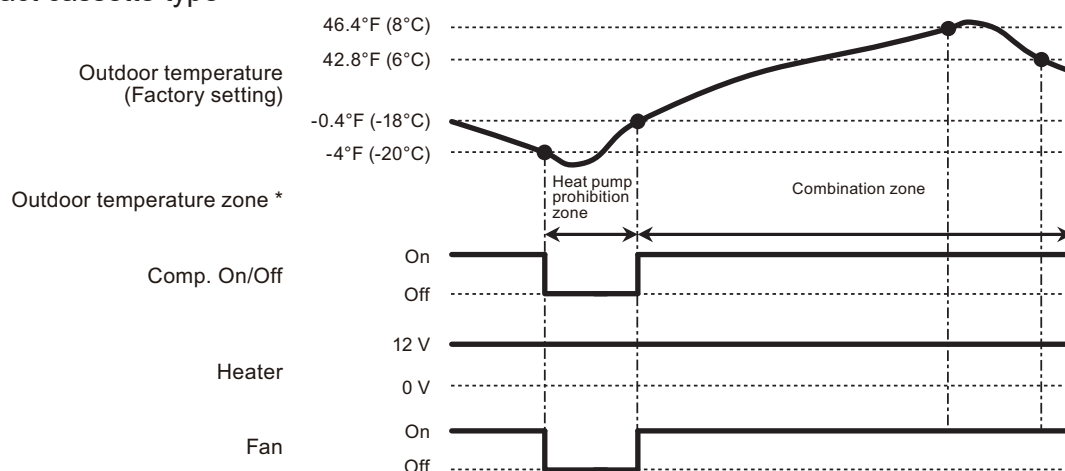
- Outdoor temperature zone



\*: Adjustable by function setting 666666

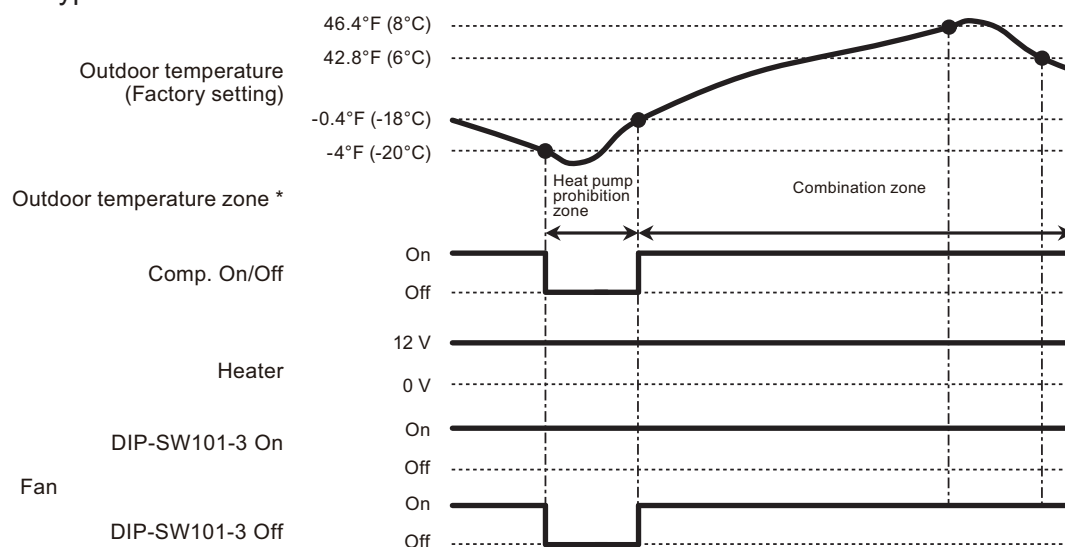
- Operation status

- Compact cassette type



\* The outdoor temperature zone transition from one to another will stay in that zone for minimum of 30 min.

- Slim duct type



\* The outdoor temperature zone transition from one to another will stay in that zone for minimum of 30 min.

**NOTE:** In following operations, compressor will be on in heat pump prohibition zone.

- Other than heating
- Test run

## ● Auxiliary heater control by outdoor temperature 3

This control selects heat pump or external heater according to the outdoor temperature. Even when outdoor temperature is high, the heating is performed by using both of heat pump and external heater.

- Compact cassette type

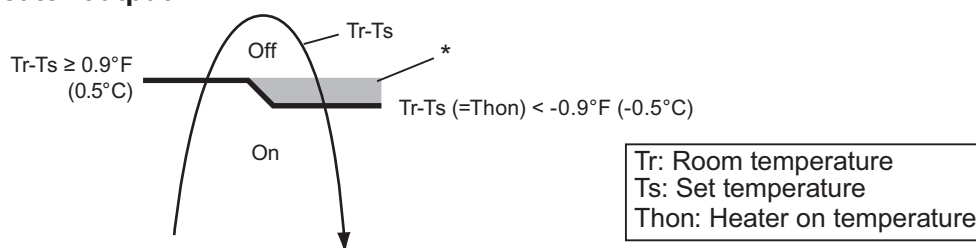
Operation	Condition
Heater on	Heater is on as shown in following diagram of heating temperature.
Heater off	<ul style="list-style-type: none"> <li>• Heater is off as shown in following diagram of heating temperature.</li> <li>• Other than heating mode</li> <li>• Error occurred</li> <li>• Forced thermostat off</li> </ul>

- Slim duct type

Operation			Condition
Heater on			Heater is on as shown in following diagram of heating temperature.
Heater off	DIP-SW101-3	On	<ul style="list-style-type: none"> <li>• Heater is off as shown in following diagram of heating temperature.</li> <li>• Other than heating mode</li> <li>• Error occurred</li> <li>• Forced thermostat off</li> <li>• Fan stop protection</li> </ul>
	Indoor unit fan setting for external heater	Enabled	
	DIP-SW101-3	Off	<ul style="list-style-type: none"> <li>• Heater is off as shown in following diagram of heating temperature.</li> <li>• Other than heating mode</li> <li>• Error occurred</li> <li>• Forced thermostat off</li> </ul>
	Indoor unit fan setting for external heater	Disabled	

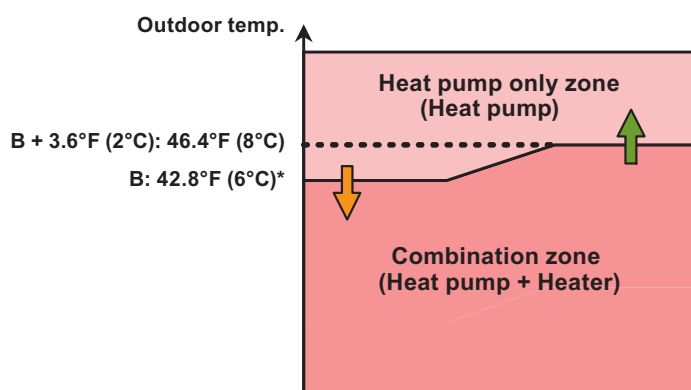
- Temperature of heater on (Thon): Adjustable by function number 62 (Operating temperature switching of external heaters).
- All control temperatures will shift by adjusting "Thon".
- Outdoor temperature zone boundary B: Adjustable by function setting number 376767.

- **External heater output**



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

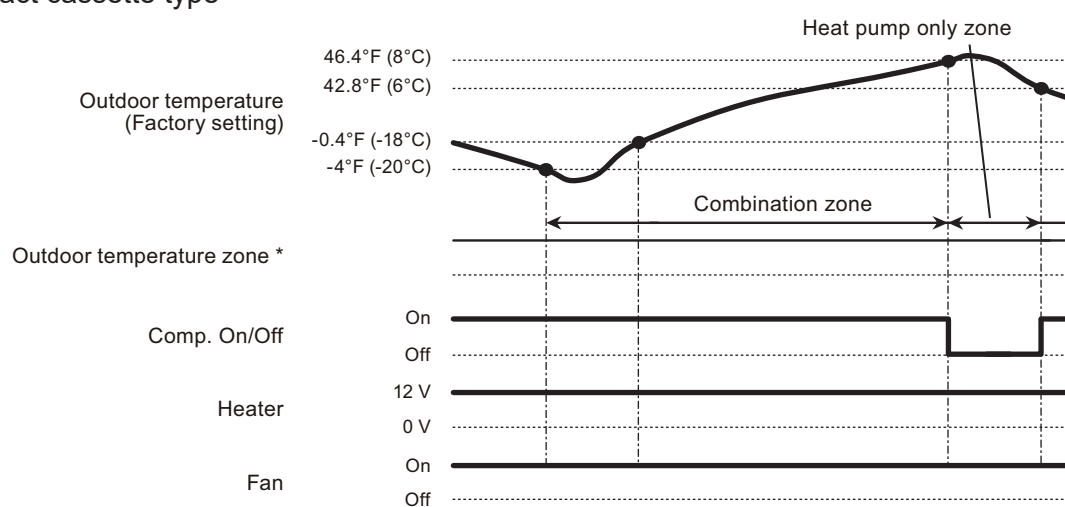
- Outdoor temperature zone



\*: Adjustable by function setting 676767

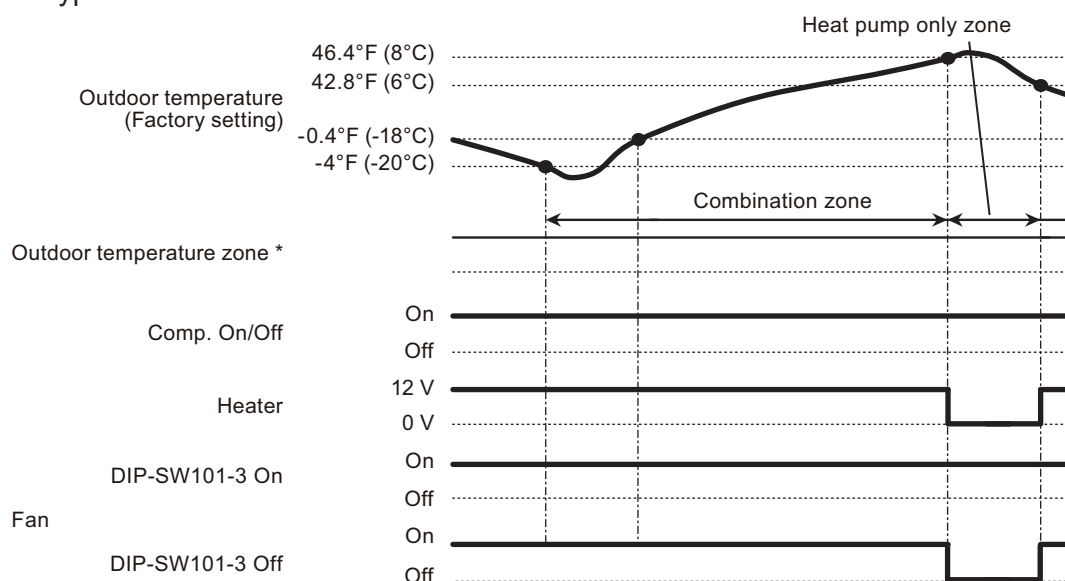
- Operation status

- Compact cassette type



\* The outdoor temperature zone transition from one to another will stay in that zone for minimum of 30 min.

- Slim duct type



\*: The outdoor temperature zone transition from one to another will stay in that zone for minimum of 30 min.

**NOTE:** In following operations, compressor will be on in heat pump prohibition zone.

- Other than heating
- Test run

## ● Auxiliary heat pump control

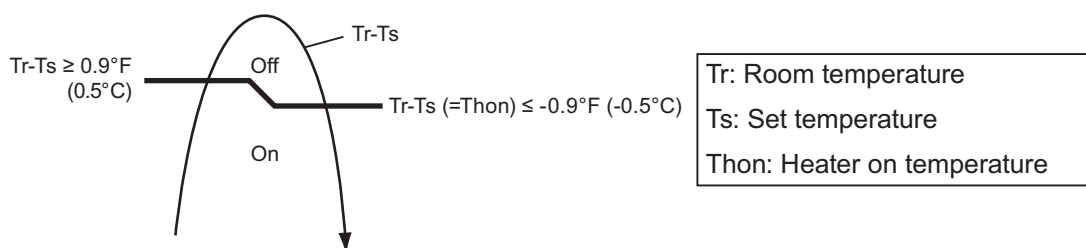
- External heater output
  - Compact cassette type

Operation	Condition
Heater on	Heater is on as shown in following diagram of heating temperature.
Heater off	<ul style="list-style-type: none"> <li>• Heater is off as shown in following diagram of heating temperature.</li> <li>• Other than heating mode</li> <li>• Error occurred</li> <li>• Forced thermostat off</li> </ul>

- Slim duct type

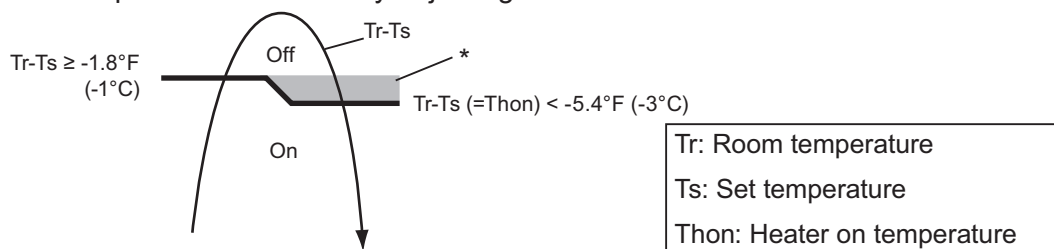
Operation	Condition
Heater on	Heater is on as shown in following diagram of heating temperature.
Heater off	DIP-SW101-3 On • Heater is off as shown in following diagram of heating temperature. • Other than heating mode • Error occurred • Forced thermostat off • Fan stop protection
	Indoor unit fan setting for external heater Enabled
	DIP-SW101-3 Off • Heater is off as shown in following diagram of heating temperature. • Other than heating mode • Error occurred • Forced thermostat off Indoor unit fan setting for external heater Disabled

- Temperature of heater on (Thon): Set temperature (Ts) - 0.9 °F (- 0.5 °C)
- Temperature of heater off: Set temperature (Ts) + 0.9 °F (+ 0.5 °C)



### • Auxiliary heat pump On/Off

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



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

## ● Auxiliary heat pump control by outdoor temperature 1

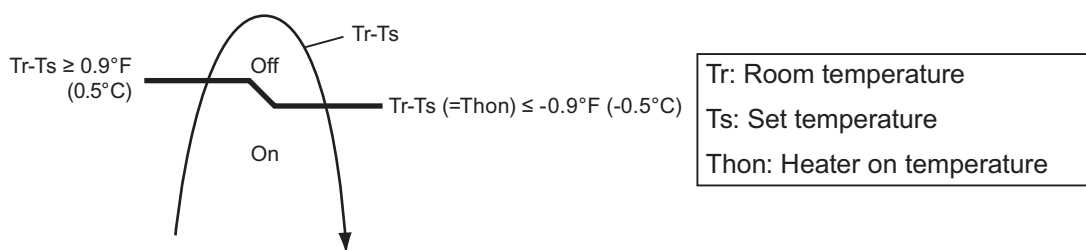
- External heater output
  - Compact cassette type

Operation	Condition
Heater on	Heater is on as shown in following diagram of heating temperature.
Heater off	<ul style="list-style-type: none"> <li>• Heater is off as shown in following diagram of heating temperature.</li> <li>• Other than heating mode</li> <li>• Error occurred</li> <li>• Forced thermostat off</li> </ul>

- Slim duct type

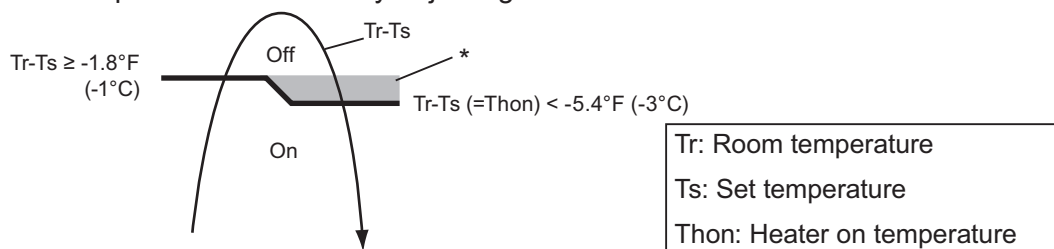
Operation	Condition
Heater on	Heater is on as shown in following diagram of heating temperature.
Heater off	DIP-SW101-3 On • Heater is off as shown in following diagram of heating temperature. • Other than heating mode • Error occurred • Forced thermostat off • Fan stop protection
	Indoor unit fan setting for external heater Enabled
	DIP-SW101-3 Off • Heater is off as shown in following diagram of heating temperature. • Other than heating mode • Error occurred • Forced thermostat off Indoor unit fan setting for external heater Disabled

- Temperature of heater on (Thon): Set temperature (Ts) - 0.9 °F (- 0.5 °C)
- Temperature of heater off: Set temperature (Ts) + 0.9 °F (+ 0.5 °C)



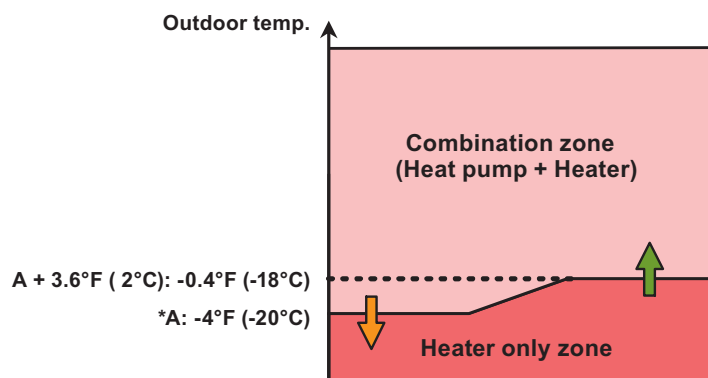
### • Auxiliary heat pump On/Off

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



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

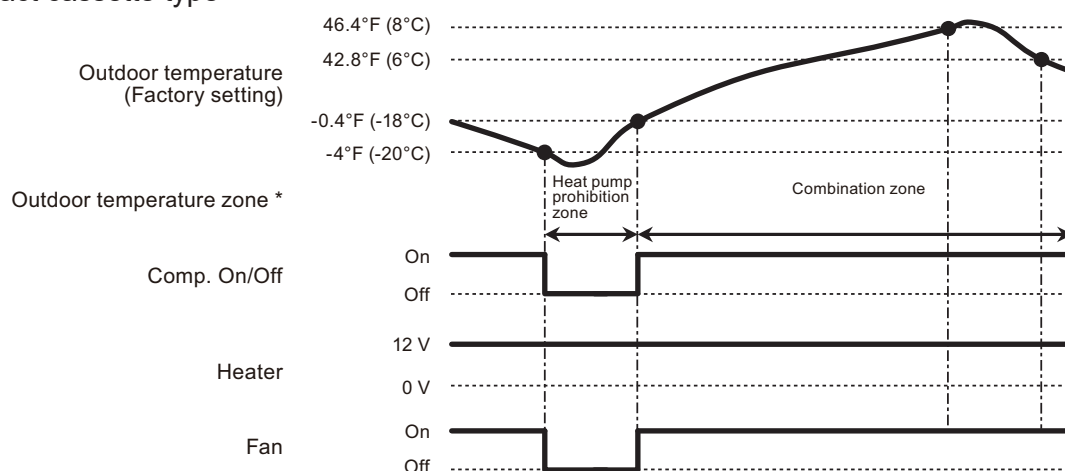
- Outdoor temperature zone



\*: Adjustable by function setting 67

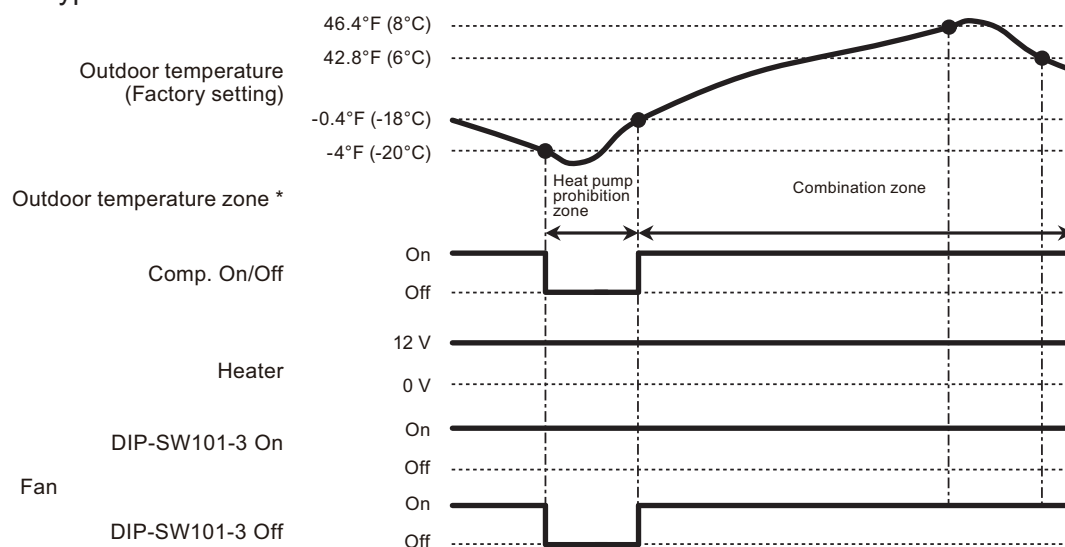
- Operation status

- Compact cassette type



\* The outdoor temperature zone transition from one to another will stay in that zone for minimum of 30 min.

- Slim duct type



\* The outdoor temperature zone transition from one to another will stay in that zone for minimum of 30 min.

**NOTE:** In following operations, compressor will be on in heat pump prohibition zone.

- Other than heating
- Test run

## ● Auxiliary heat pump control by outdoor temperature 2

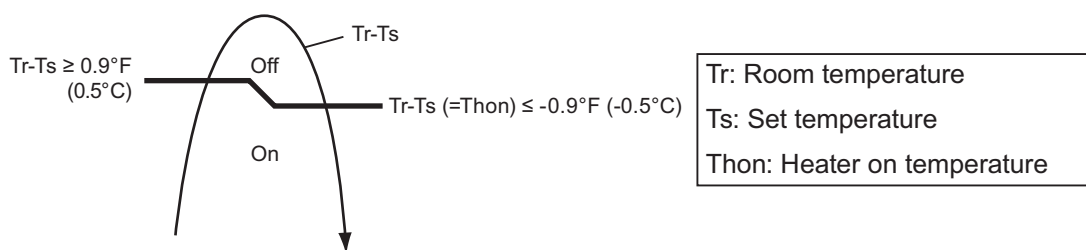
- External heater output
  - Compact cassette type

Operation	Condition
Heater on	Heater is on as shown in following diagram of heating temperature.
Heater off	<ul style="list-style-type: none"> <li>• Heater is off as shown in following diagram of heating temperature.</li> <li>• Other than heating mode</li> <li>• Error occurred</li> <li>• Forced thermostat off</li> </ul>

- Slim duct type

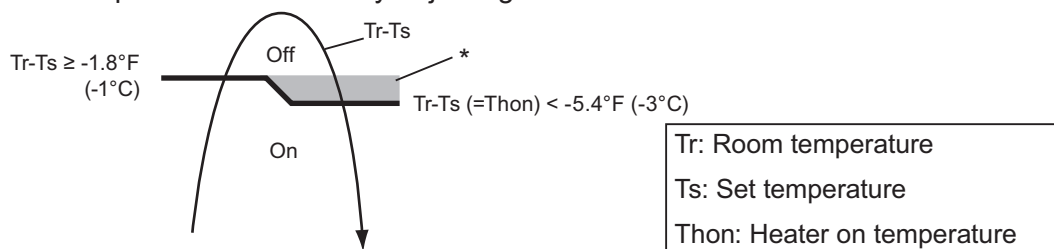
Operation	Condition
Heater on	Heater is on as shown in following diagram of heating temperature.
Heater off	DIP-SW101-3 On • Heater is off as shown in following diagram of heating temperature. • Other than heating mode • Error occurred • Forced thermostat off • Fan stop protection
	Indoor unit fan setting for external heater Enabled
	DIP-SW101-3 Off • Heater is off as shown in following diagram of heating temperature. • Other than heating mode • Error occurred • Forced thermostat off • Fan stop protection
	Indoor unit fan setting for external heater Disabled

- Temperature of heater on (Thon): Set temperature (Ts) - 0.9 °F (- 0.5 °C)
- Temperature of heater off: Set temperature (Ts) + 0.9 °F (+ 0.5 °C)



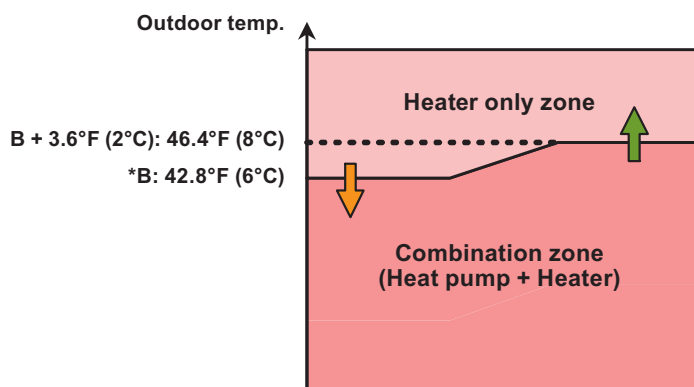
### • Auxiliary heat pump On/Off

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



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

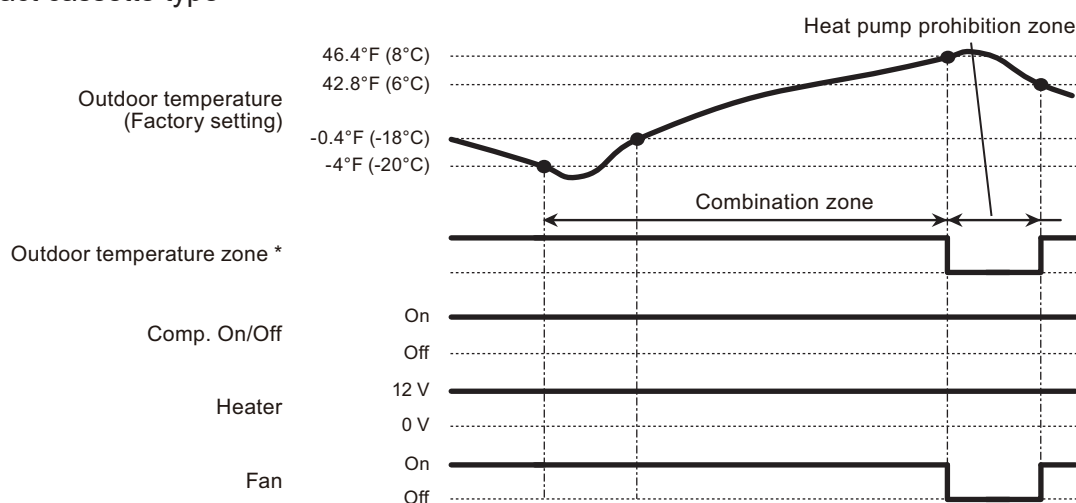
- Outdoor temperature zone



\*: Adjustable by function setting 67

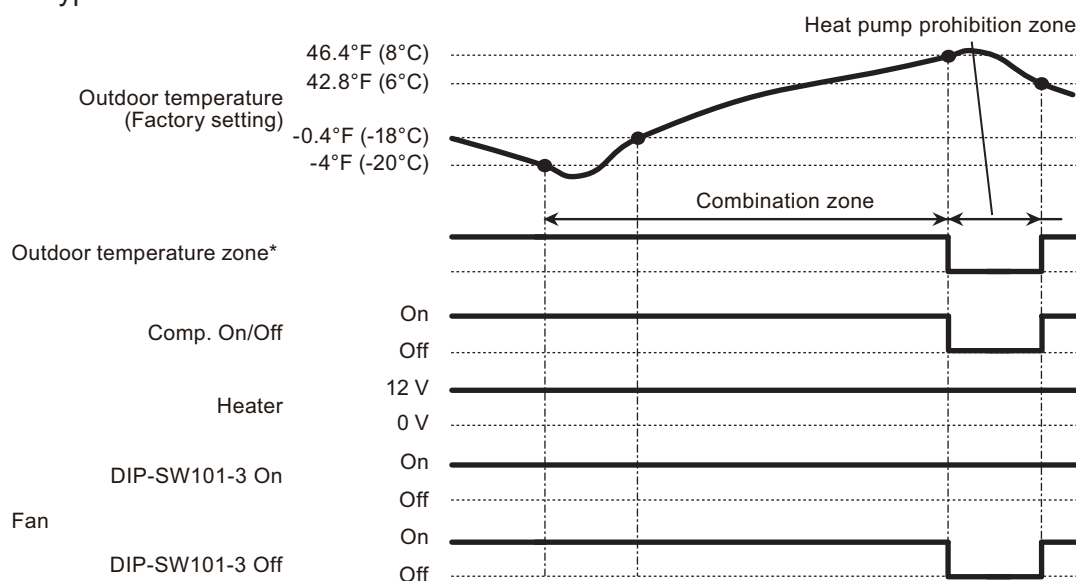
- Operation status

- Compact cassette type



\* The outdoor temperature zone transition from one to another will stay in that zone for minimum of 30 min.

- Slim duct type



\*: The outdoor temperature zone transition from one to another will stay in that zone for minimum of 30 min.

**NOTE:** In following operations, compressor will be on in heat pump prohibition zone.

- Other than heating
- Test run

## ● Auxiliary heat pump control by outdoor temperature 3

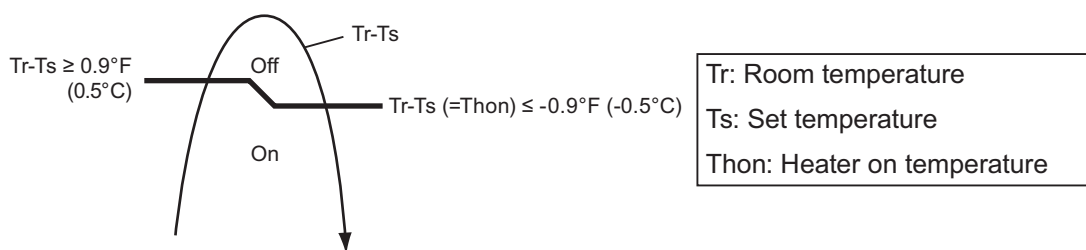
- External heater output
  - Compact cassette type

Operation	Condition
Heater on	Heater is on as shown in following diagram of heating temperature.
Heater off	<ul style="list-style-type: none"> <li>• Heater is off as shown in following diagram of heating temperature.</li> <li>• Other than heating mode</li> <li>• Error occurred</li> <li>• Forced thermostat off</li> </ul>

- Slim duct type

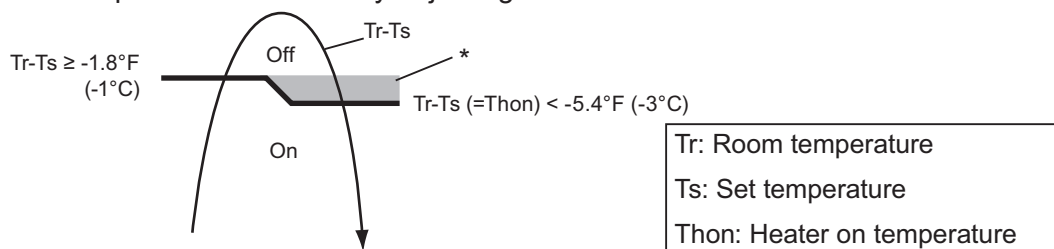
Operation	Condition
Heater on	Heater is on as shown in following diagram of heating temperature.
Heater off	DIP-SW101-3 On • Heater is off as shown in following diagram of heating temperature. • Other than heating mode • Error occurred • Forced thermostat off • Fan stop protection
	Indoor unit fan setting for external heater Enabled
	DIP-SW101-3 Off • Heater is off as shown in following diagram of heating temperature. • Other than heating mode • Error occurred • Forced thermostat off Indoor unit fan setting for external heater Disabled

- Temperature of heater on (Thon): Set temperature (Ts) - 0.9 °F (- 0.5 °C)
- Temperature of heater off: Set temperature (Ts) + 0.9 °F (+ 0.5 °C)



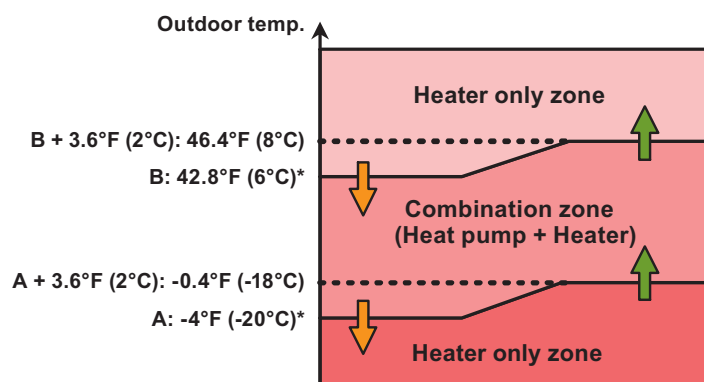
### • Auxiliary heat pump On/Off

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



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

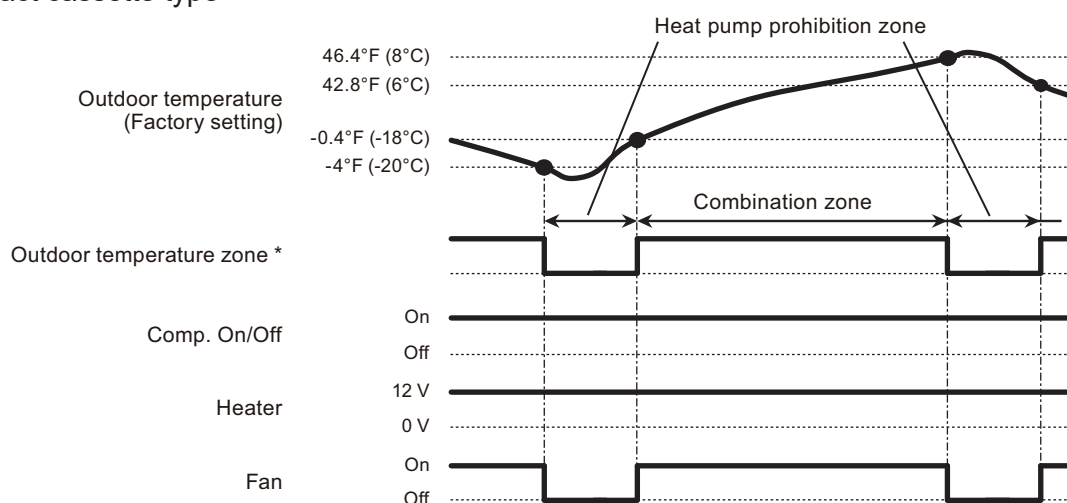
- Outdoor temperature zone



\*: Adjustable by function setting 66 and 67

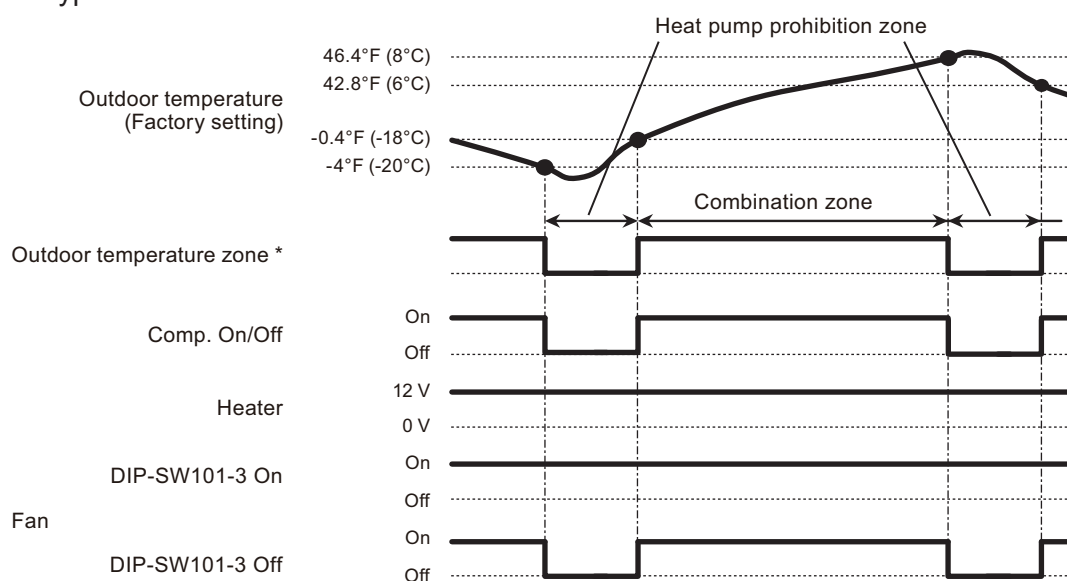
- Operation status

- Compact cassette type



\* The outdoor temperature zone transition from one to another will stay in that zone for minimum of 30 min.

- Slim duct type



\* The outdoor temperature zone transition from one to another will stay in that zone for minimum of 30 min.

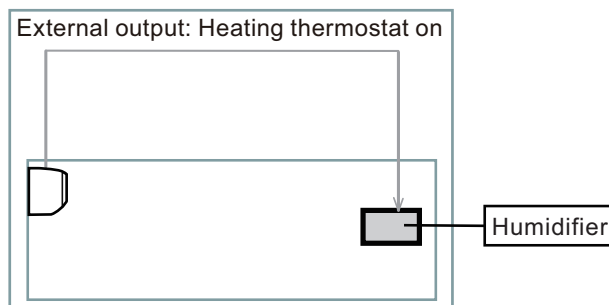
**NOTE:** In following operations, compressor will be on in heat pump prohibition zone.

- Other than heating
- Test run

## ■ Heating thermostat on for humidifier

Situation	Indoor unit				
	Mode	Function setting	Rotary SW	External output	
		Heating thermostat on no. 60		Heating thermostat on	Indoor unit fan operation status
Example of individual connection	5	60-05	7	CN47	Not used
	6	60-06	8	CN312	
	7	60-07	9	CN311	
	8	60-08	A	CN310	

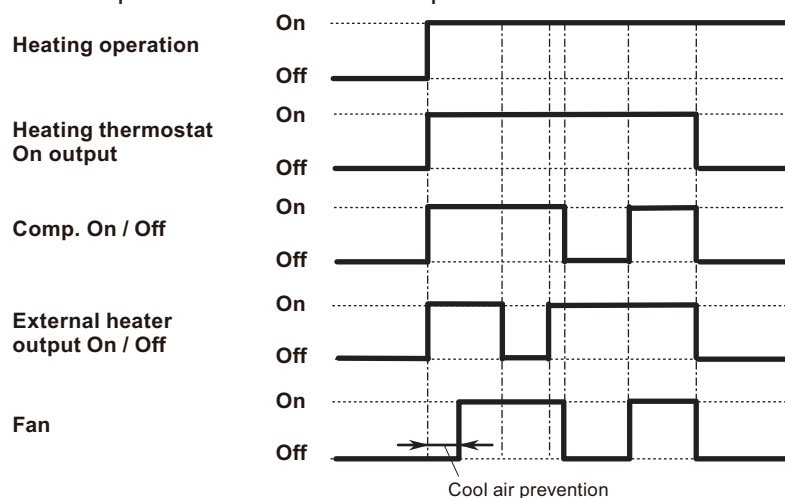
### • Example of individual connection



### • Operation status

The heating thermostat output for CNB01 (1-2 or 1-3 or 1- or 1-5) will be on when comp on or external heater on.

The heating thermostat output will be off when comp off and external heater off.



## 12. External input and output (RLF1 series wall mounted type and floor type indoor unit)

Indoor unit type	External input	External output			
	Control input	Operation status output	Fresh air control output	Auxiliary heater output	Error status output
Wall mounted	●	●	—	—	●
Floor	●	●	—	—	●

### 12-1. External input

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

- "Operation/Stop" mode or "Forced stop" mode can be selected with function setting of indoor unit.
- A twisted pair cable (22AWG) should be used. Maximum length of cable is 492 ft (150 m).
- The wire connection should be separate from the power cable line.

#### ■ Control input (Operation/Stop or Forced stop)

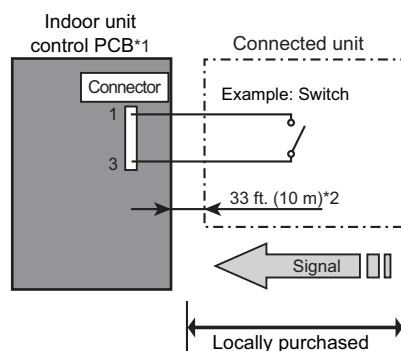
Indoor unit type		Connector
Wall mounted	ASU7RLF1, ASU9RLF1, ASU12RLF1, ASU15RLF1	CNA01
Floor	AGU9RLF, AGU12RLF, AGU15RLF	CN14

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

Operation is started at the following contents by adding the contact input of a commercially available 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	76 °F (24 °C)	Temperature at previous operation
Airflow mode	AUTO	Mode at previous operation
Air direction (swing)	Standard air direction (swing: off)	Air direction at previous operation

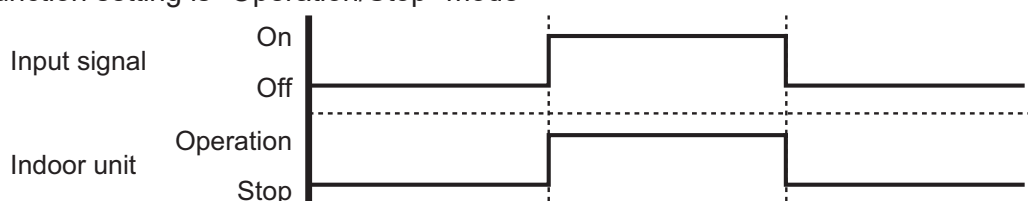
### • Circuit diagram example



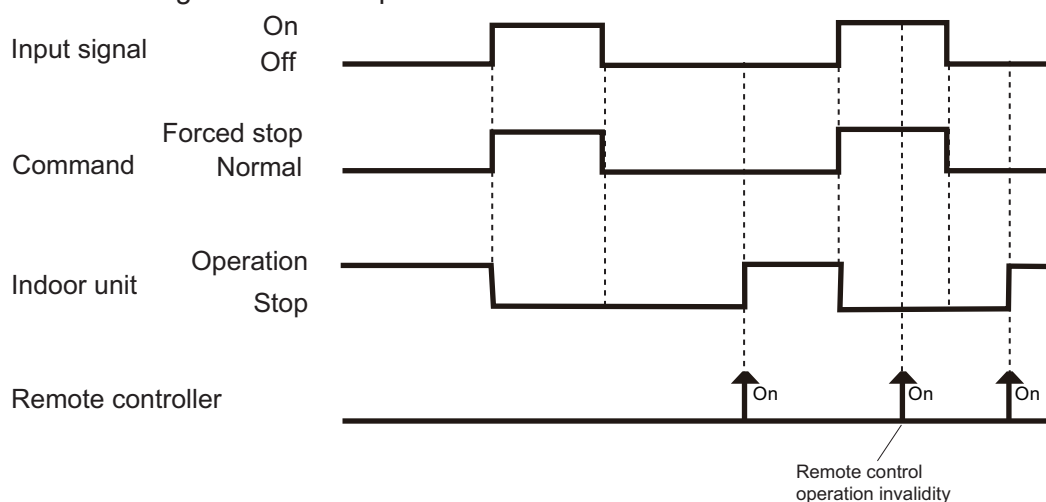
- Contact capacity: DC 24 V or more, 10 mA or more.
- \*1: PCB of Communication kit is used for wall mounted (ASU7-12RLF1) type.
- \*2: Make the distance from the PCB to the connected unit within 33 ft (10 m).
- Use non-polar relays and switches.

Indoor unit type		1-pin	3-pin
Wall mounted	ASU7RLF1, ASU9RLF1, ASU12RLF1, ASU15RLF1	-	+
Floor	AGU9RLF, AGU12RLF, AGU15RLF	-	+

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

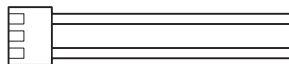


#### – When function setting is "Forced stop" mode



- Optional part

Indoor unit type		Part name	Model name
Wall mounted	ASU7RLF1, ASU9RLF1, ASU12RLF1, ASU15RLF1	External connect kit	UTY-XWZXZ5
Floor	AGU9RLF, AGU12RLF, AGU15RLF		UTY-XWZXZ5



UTY-XWZXZ5

Indoor unit type		Part name	Model name
Wall mounted	ASU7RLF1, ASU9RLF1, ASU12RLF1, ASU15RLF1	Communication kit	UTY-XCBXZ2
Floor	AGU9RLF, AGU12RLF, AGU15RLF	—	—

\*For operating the external input function, the wall mounted type (ASU7-15RLF1) requires optional communication kit (UTY-XCBXZ2) in addition to the wire (UTY-XWZXZ5).

## 12-2. External output

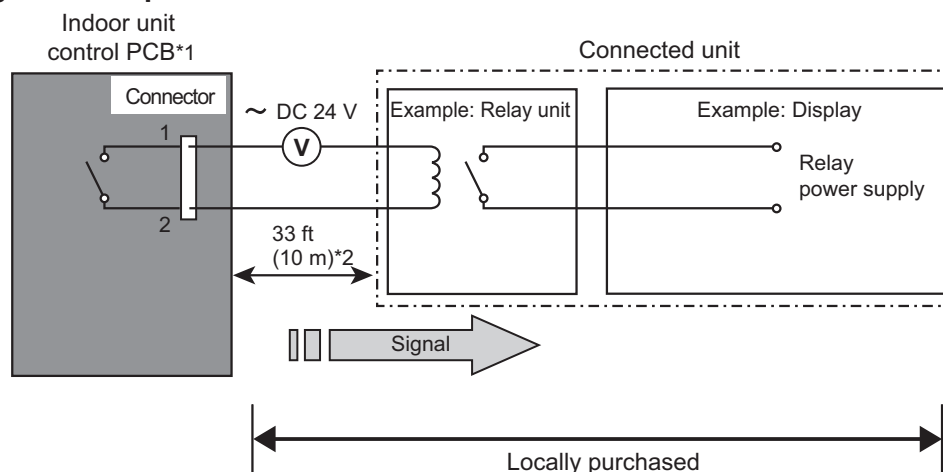
Use an external output cable with appropriate external dimension, depending on the number of cables to be installed.

### ■ Operation status output

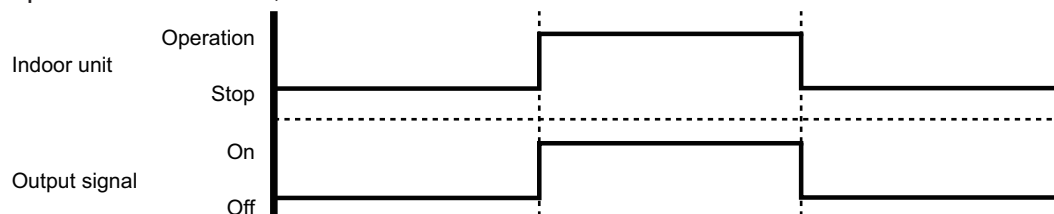
Indoor unit type		Connector
Wall mounted	ASU7RLF1, ASU9RLF1, ASU12RLF1, ASU15RLF1	CNB01
Floor	AGU9RLF, AGU12RLF, AGU15RLF	CN20

Air conditioner operation status signal can be output.

#### • Circuit diagram example

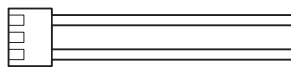


- \*1: PCB of communication kit is used for wall mounted type (ASU7-15RLF1).
- \*2: Make the distance from the PCB to the connected unit within 33 ft (10 m).
- Relay spec: Max. DC 24 V, 10 mA to less than 500 mA.



- Optional part

Indoor unit type		Part name	Model name
Wall mounted	ASU7RLF1, ASU9RLF1, ASU12RLF1, ASU15RLF1	External connect kit	UTY-XWZXZ5
Floor	AGU9RLF, AGU12RLF, AGU15RLF		UTY-XWZXZ5



UTY-XWZXZ5

Indoor unit type		Part name	Model name
Wall mounted	ASU7RLF1, ASU9RLF1, ASU12RLF1, ASU15RLF1	Communication kit	UTY-XCBXZ2
Floor	AGU9RLF, AGU12RLF, AGU15RLF	—	—

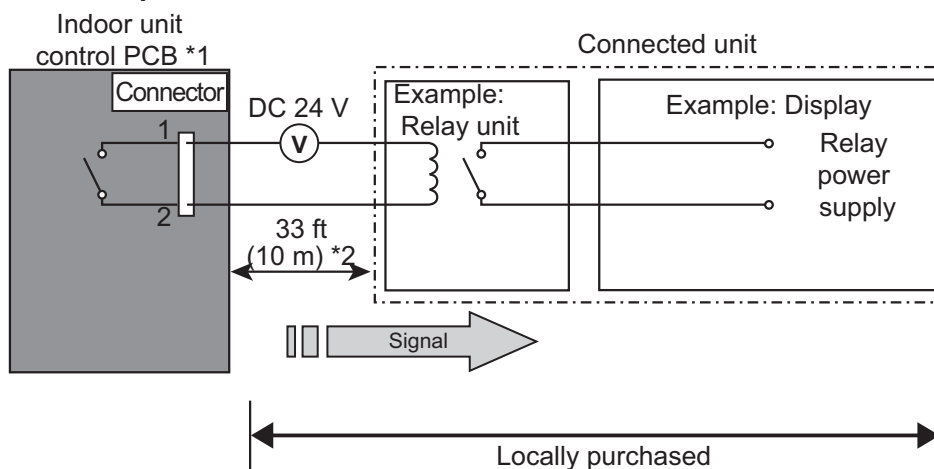
\*For operating the external output function, the wall mounted type (ASU7-15RLF1) requires optional Communication kit (UTY-XCBXZ2) in addition to the wire (UTY-XWZXZ5).

## ■ Error status output

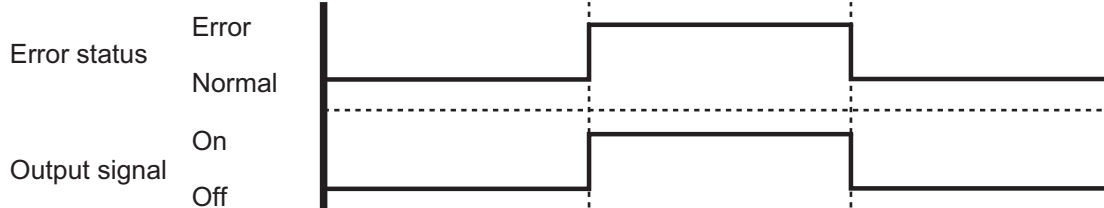
Indoor unit type		Connector
Wall mounted	ASU7RLF1, ASU9RLF1, ASU12RLF1, ASU15RLF1	CNB02
Floor	AGU9RLF, AGU12RLF, AGU15RLF	CN21

Air conditioner error status signal can be output.

### • Circuit diagram example

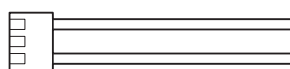


- \*1: PCB of communication kit is used for wall mounted type (ASU7-15RLF1).
- \*2: Make the distance from the PCB to the connected unit within 33 ft (10 m).
- Relay spec.: Max. DC 24 V, 10 mA to less than 500 mA.



### • Optional part

Indoor unit type		Part name	Model name
Wall mounted	ASU7RLF1, ASU9RLF1, ASU12RLF1, ASU15RLF1	External connect kit	UTY-XWZXZ5
Floor	AGU9RLF, AGU12RLF, AGU15RLF	External connect kit	UTY-XWZXZ5

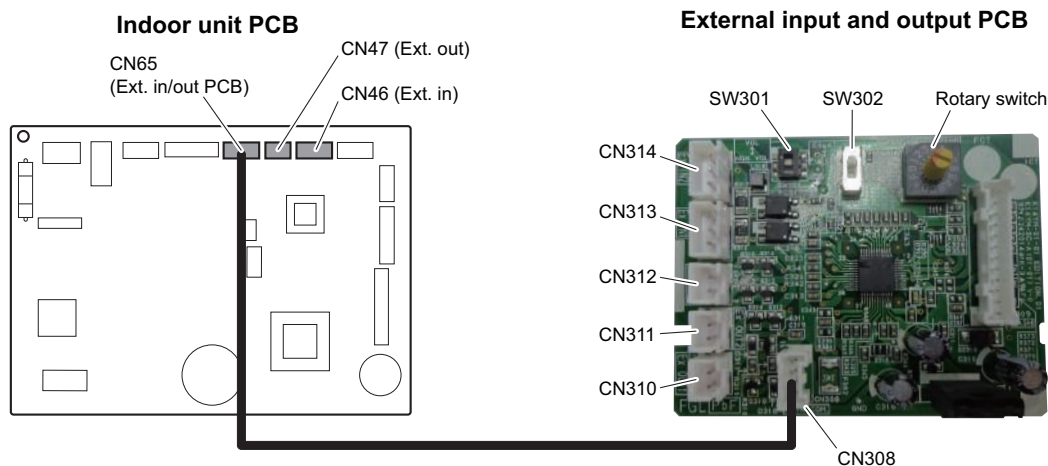


UTY-XWZXZ5

Indoor unit type		Part name	Model name
Wall mounted	ASU7RLF1, ASU9RLF1, ASU12RLF1, ASU15RLF1	Communication kit	UTY-XCBXZ2
Floor	AGU9RLF, AGU12RLF, AGU15RLF	—	—

\*For operating the external input function, the wall mounted type (ASU7RLF1, ASU9RLF1, ASU12RLF1, and ASU15RLF1) requires Communication kit (UTY-XCBXZ2) in addition to the wire (UTY-XWZXZ5).

# 13. External input and output (LPAS series wall mounted type indoor unit)



PCB	External input	External output	Connector	Input select	Input signal
Indoor unit	Operation/Stop	—	CN46	Dry contact	Edge
	Forced stop				
	—	Operation status	CN47	—	—
		Error status			
		Indoor unit fan operation status			
		Cooling thermostat On			
		Heating thermostat On			
External heater output					
External input and output (UTY-XCSXZ2)	Operation/Stop	—	CN313/ CN314	Dry contact/ Apply voltage	Edge/Pulse
	Forced stop		CN313		Edge
	Forced thermostat off				
	—	Operation status	CN310/ CN311/ CN312	—	—
		Error status			
		Indoor unit fan operation status			
		External heater output			
		Remote controller output			
		Cooling high/low output			
	Heating thermostat On				

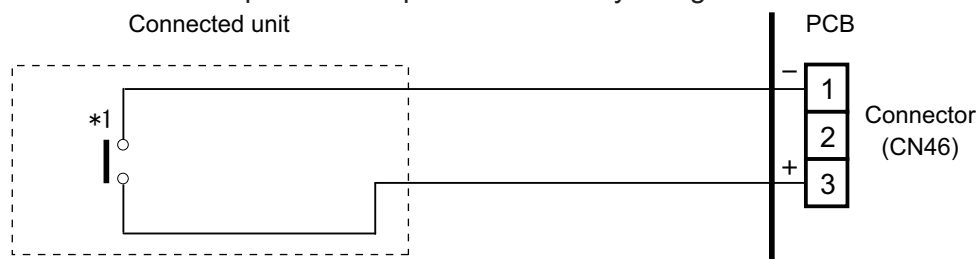
## 13-1. External input

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

- "Operation/Stop" mode or "Forced stop" mode can be selected with function setting of indoor unit.
- A twisted pair cable (22AWG) should be used. Maximum length of cable is 492 ft (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 to 24 V, 1 mA to 15 mA.

## External Input and Output PCB

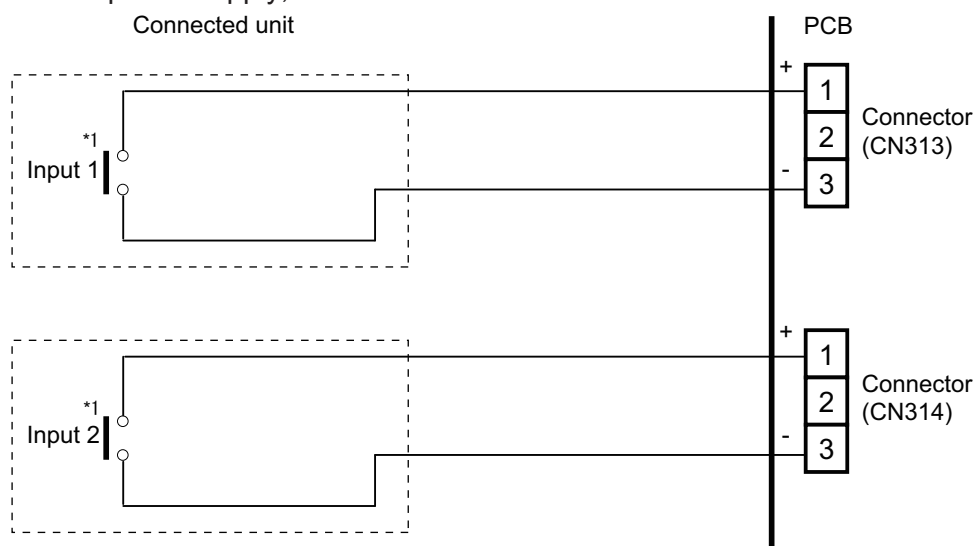
The indoor unit Operation/Stop can be set by using the input connector on the PCB.

- **Input select:**

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

- Dry contact

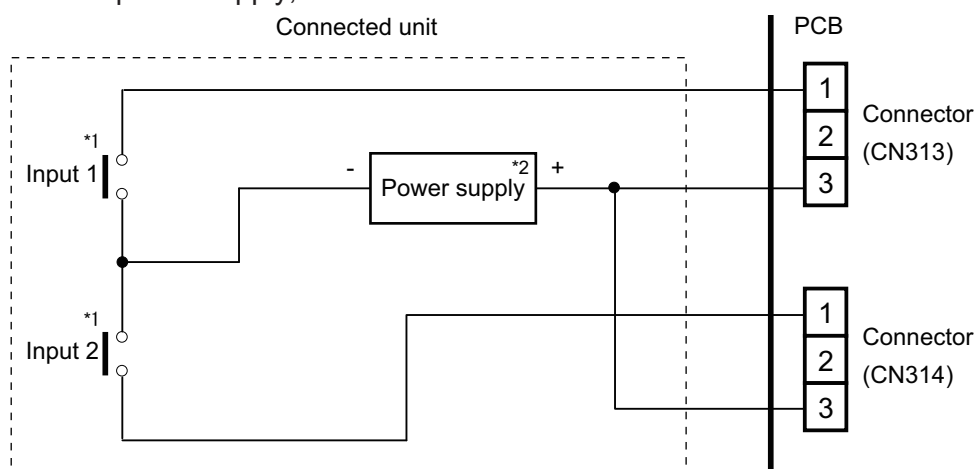
In case of internal power supply, set the slide switch of SW301 to "NON VOL" side.



\*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.

## 13-2. External output

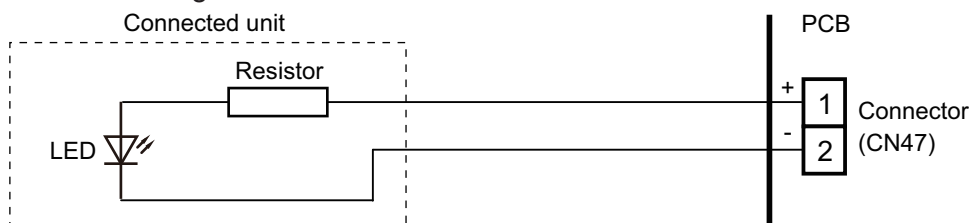
Use an external output cable with appropriate external dimension, depending on the number of cables to be installed.

### ■ Indoor unit

- A twisted pair cable (22AWG) should be used. Maximum length of cable is 82 ft (25 m).
- Output voltage: High DC 12 V  $\pm$  2 V, Low 0 V.
- Permissible current: 50 mA
- For details, refer to ["Combination of external input and output"](#) on page 122.

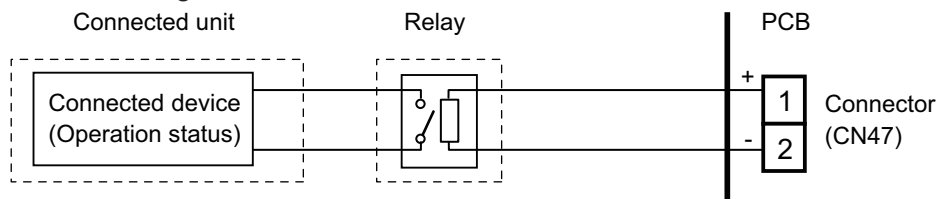
### ● When indicator or other components are connected directly

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



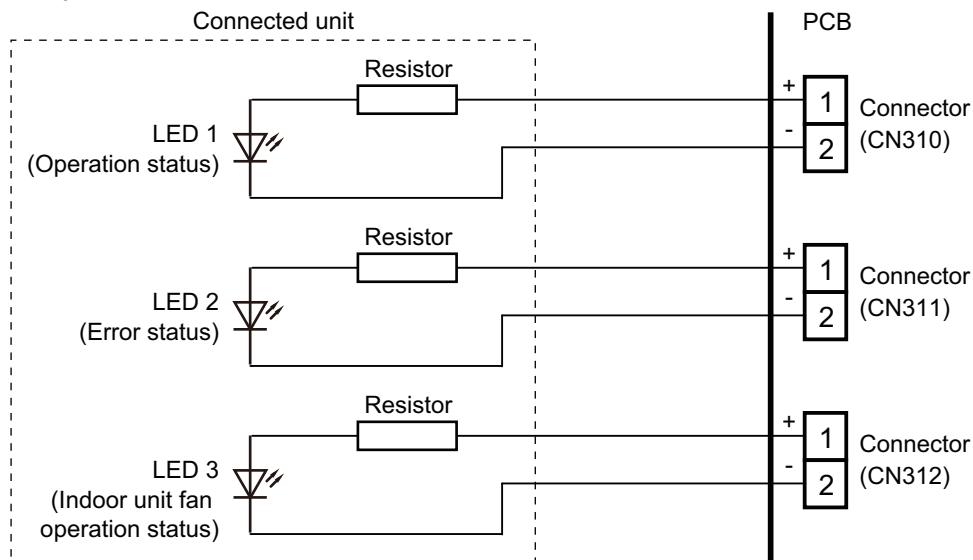
### ● When connecting with a device equipped with a power supply

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

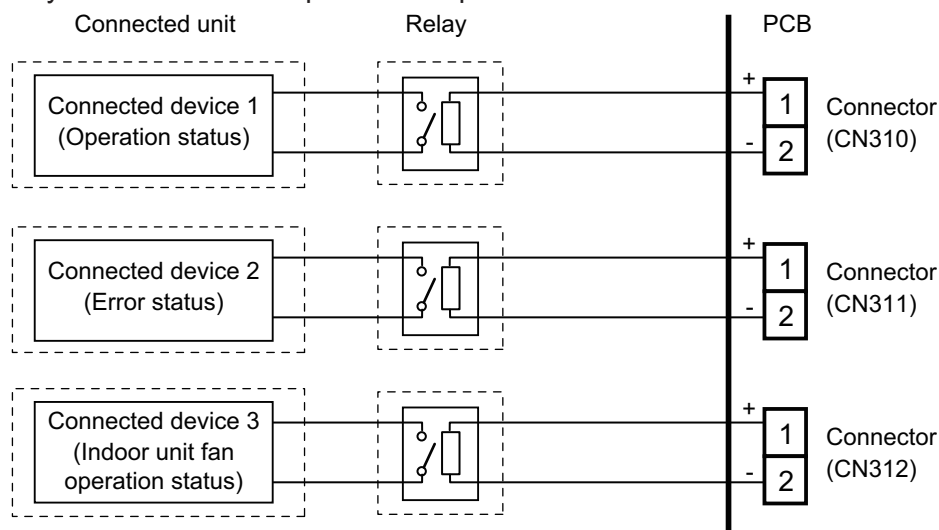


## External Input and Output PCB

- A twisted pair cable (22AWG) should be used. Maximum length of cable is 82 ft (25 m).
- Output voltage: High DC 12 V $\pm$ 2 V, Low 0 V.
- Permissible current: 50 mA
- For details, refer to ["Combination of external input and output"](#) on page 122.
- **When indicator or other components are connected directly:**  
**Example:** Rotary SW on External Input and Output PCB is set to "1".



- **When connecting with a device equipped with a power supply:**  
**Example:** Rotary SW on External Input and Output PCB is set to "1".



## 13-3. 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	Rotary SW	External input		
			Indoor unit	External Input and Output PCB	
			CN46	1 CN313	2 CN314
0-1	60—00	1	Operation/Stop mode1 (Function setting 46-00) or Forced stop mode (Function setting 46-02) or Operation/Stop mode2 (Function setting 46-03)	Operation/Stop	Not available
0-2	60-00	2		Operation	Stop
1	60-01	3		Forced thermostat Off	Not available
2	60-02	4		Mechanical cooling Off	
3	60-03	5		Forced thermostat Off	
4	60-04	6		Mechanical cooling On	
5	60-05	7		Mechanical cooling On	
6	60-06	8		Forced thermostat Off	
7	60-07	9		Forced thermostat Off	
8	60-08	A		Mechanical cooling Off	
9	60-09	B		Forced thermostat Off	
10	60-10	C		Forced thermostat Off	
11	60-11	D		Forced thermostat Off	

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

00: Operation/Stop mode 1 (Remote controller enabled)

01: (Setting prohibited)

02: Forced stop

03: Operation/Stop mode 2 (Remote controller disabled)

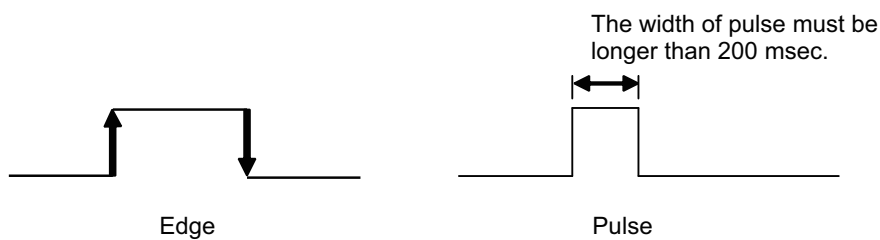
Mode	Function setting	Rotary SW	External output			
			Indoor unit	External Input and Output PCB		
			CN47	1 CN310	2 CN311	3 CN312
0-1	60-00	1	Operation/Stop	Operation/Stop	Error status	Indoor unit fan operation status
0-2	60-00	2	Operation/Stop	Error status	Indoor unit fan operation status	External heater output
1	60-01	3	Cooling thermostat On	Error status	Indoor unit fan operation status	External heater output
2	60-02	4	Cooling thermostat On	Error status	Remote controller output	External heater output
3	60-03	5	Cooling thermostat On	Cooling high/low output	Remote controller output	External heater output
4	60-04	6	Cooling thermostat On	Error status	Remote controller output	Cooling high/low output
5	60-05	7	Heating thermostat On	Error status	Indoor unit fan operation status	External heater output
6	60-06	8	Operation/Stop	Error status	Indoor unit fan operation status	Heating thermostat On
7	60-07	9	Cooling thermostat On	Error status	Heating thermostat On	External heater output
8	60-08	A	Cooling thermostat On	Heating thermostat On	Remote controller output	External heater output
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

## 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.

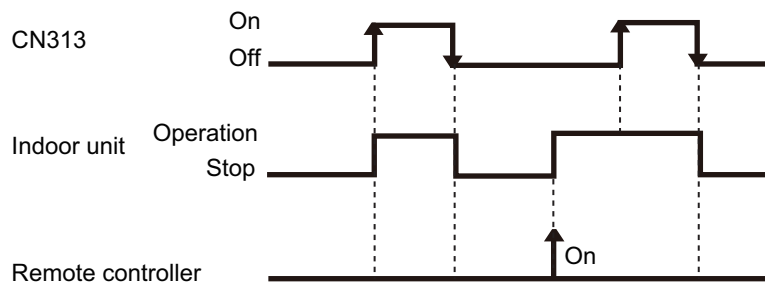


## 13-4. Details of function

### ■ Control input function

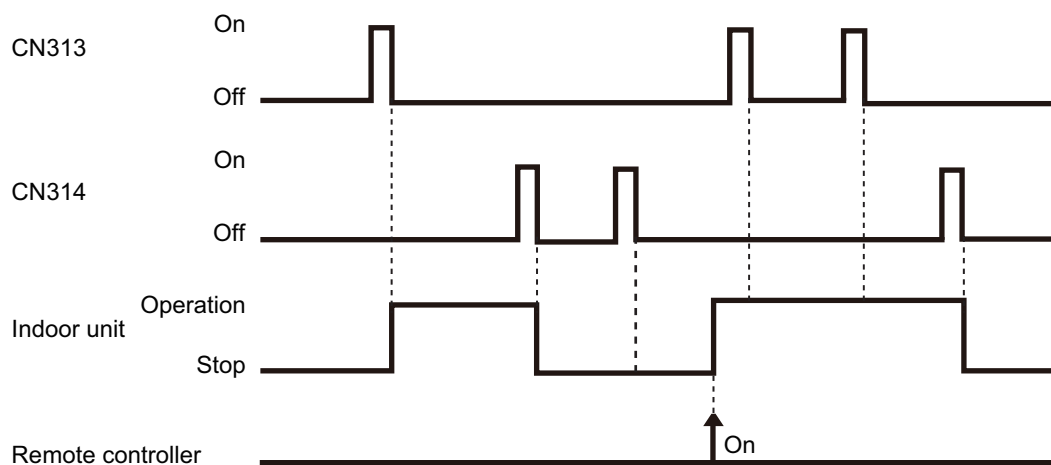
- When function setting is “Operation/Stop” mode 1
  - In the case of “Edge” input:

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



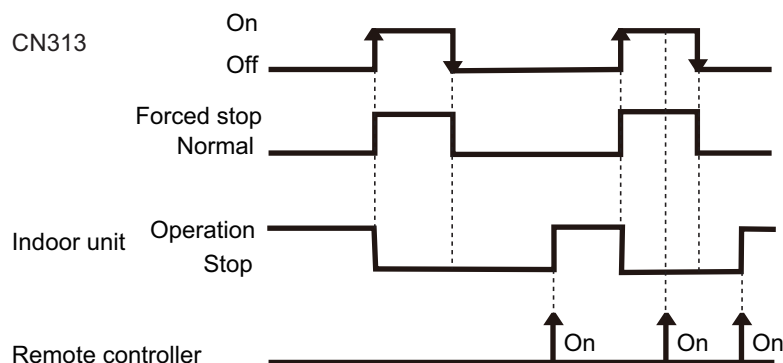
#### NOTES:

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

- When function setting is “Forced stop” mode

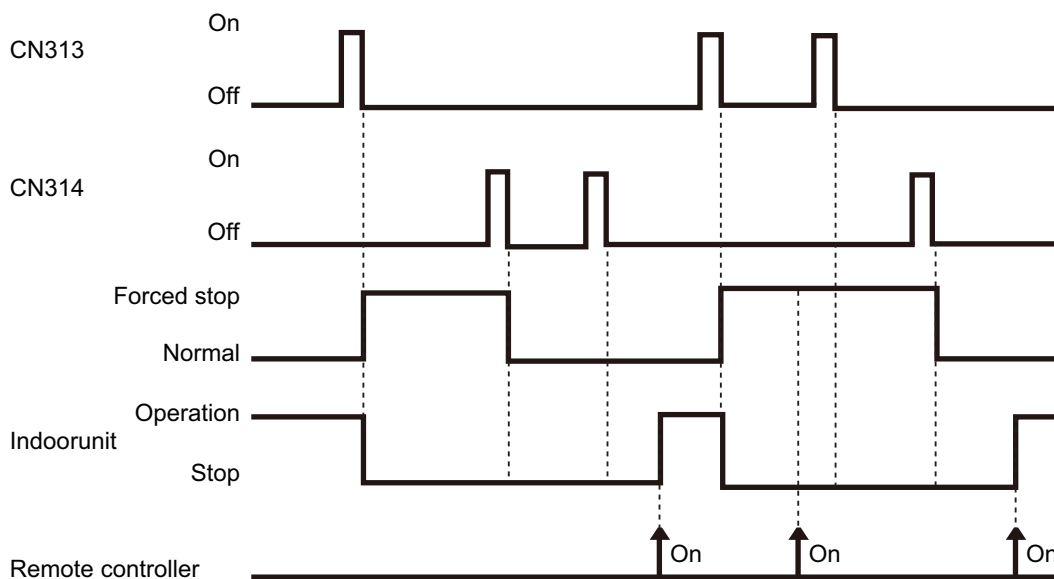
- In the case of “Edge” input:

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

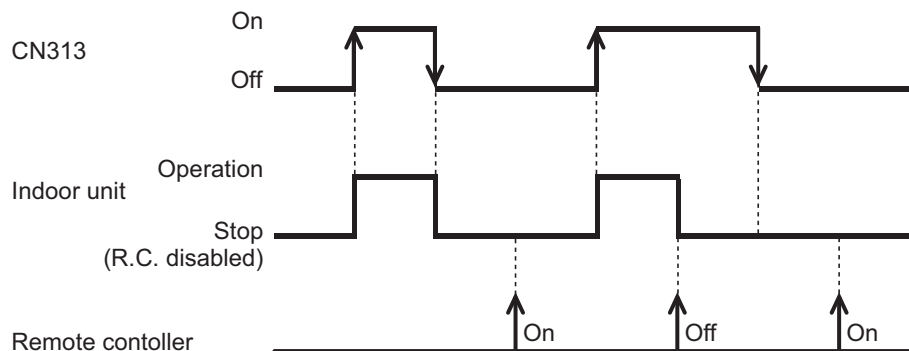

**NOTES:**

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

- When function setting is “Operation/Stop” mode 2

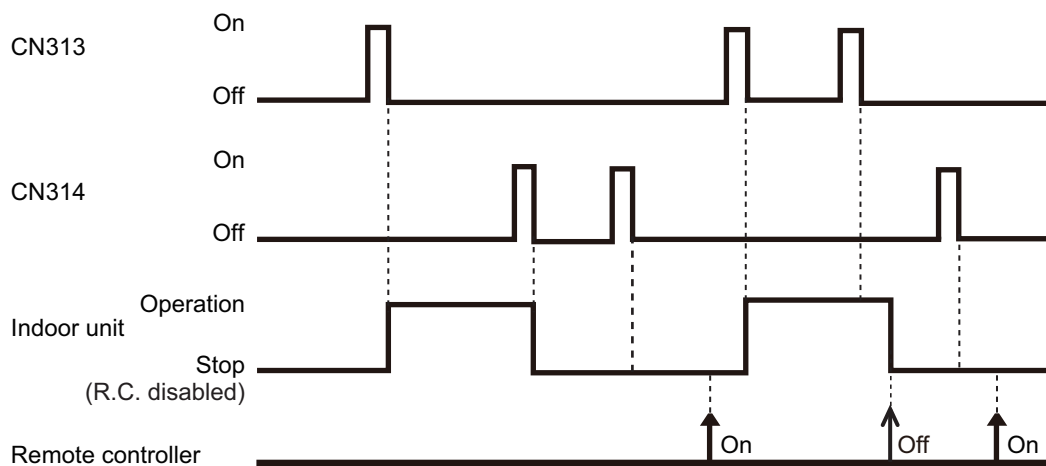
- In the case of “Edge” input:

Function setting	Rotary SW on External Input and Output PCB	External input		Input signal	Command
46-03	1	External Input and Output PCB	CN313	Off → On	Operation
				On → Off	Stop (Remote controller disabled)



- In the case of “Pulse” input:

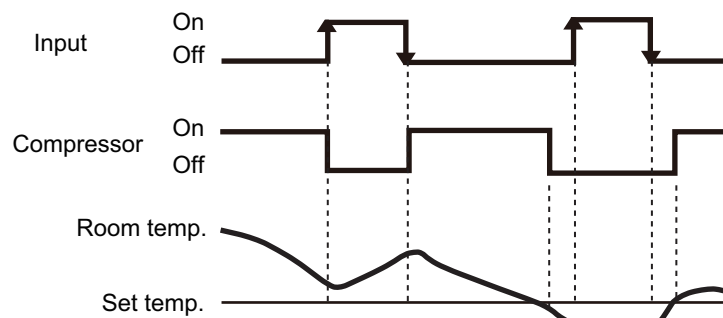
Function setting	Rotary SW on External Input and Output PCB	External input		Input signal	Command
46-03	1	External Input and Output PCB	CN313	Pulse	Operation
			CN314	Pulse	Stop (Remote controller disabled)



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

- Forced thermostat off function

Rotary SW on External Input and Output PCB	External input		Input signal	Command
2 B C	External Input and Output PCB	CN313	Off → On	Thermostat off
			On → Off	Normal operation



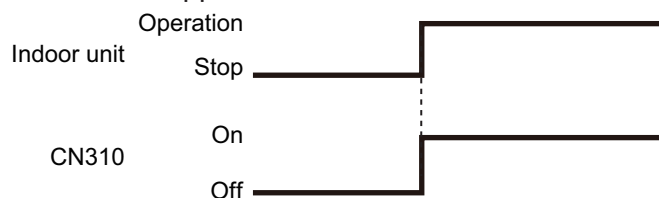
**NOTE:** When the signal is received from another unit on the refrigerant circuit, there may be a delay in thermostat off function at the unit.

## Control output function

### • Operation/Stop status

Rotary SW on External Input and Output PCB	External output		Output signal	Command
1	External Input and Output PCB	CN310	Off → On	Operation
B			On → Off	Stop
C				
D				

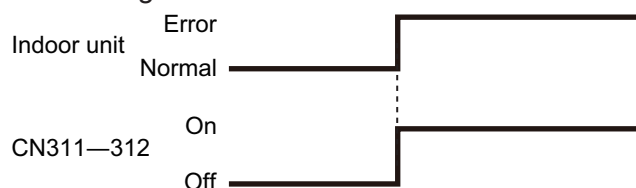
The output is low when the unit is stopped.



### • Error status

Rotary SW on External Input and Output PCB	External output		Output signal	Command
1	External Input and Output PCB	CN311	Off → On	Error
C			On → Off	Normal
D		CN312	Off → On	Error
			On → Off	Normal

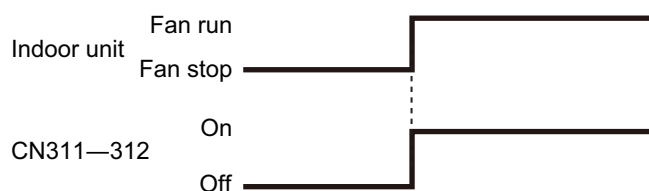
The output is ON when an error is generated for the indoor unit.



### • Indoor unit fan operation status

Rotary SW on External Input and Output PCB	External output		Output signal	Command
1	External Input and Output PCB	CN312	Off → On	Fan run
			On → Off	Fan stop
2		CN311	Off → On	Fan run
B			On → Off	Fan stop
D				

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.



## ■ External heater output

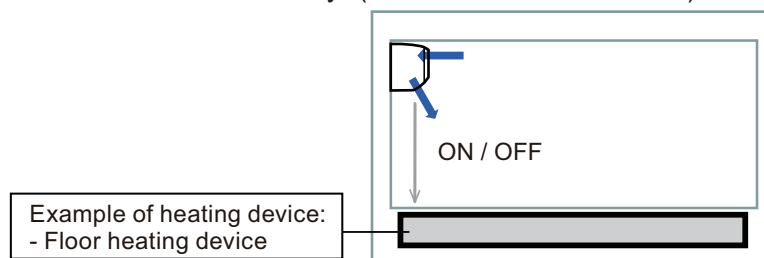
Control	Primary heater	Auxiliary heater	Function setting	
			Indoor unit	Wired R. C.
			Control switching external heaters No. 61	Sensor activation*2
Auxiliary heater control 1	Heat pump	External device*1	61-00	—
Auxiliary heater control 2	Heat pump	External device	61-01	—
Heat pump prohibition control	External device	None	61-02	On (Enabled)
Auxiliary heater control by outdoor temperature 1	Heat pump	External device	61-03	On (Enabled)
Auxiliary heater control by outdoor temperature 2	Heat Pump	External device	61-04	On (Enabled)
Auxiliary heater control by outdoor temperature 3	Heat Pump	External device	61-05	On (Enabled)
Auxiliary heat pump control	External device	Heat pump	61-06	On (Enabled)
Auxiliary heat pump control by outdoor temperature 1	External device	Heat pump	61-07	On (Enabled)
Auxiliary heat pump control by outdoor temperature 2	External device	Heat pump	61-08	On (Enabled)
Auxiliary heat pump control by outdoor temperature 3	External device	Heat pump	61-09	On (Enabled)

### NOTES:

- After turning off the heater, 3 minutes of standby time is required by next power-on of the heater.
- For items marked “—” in the table, any of validate or invalidate of the setting are acceptable.
- \*1: External device means Hot water, Electrical heater, etc.
- \*2: Sensor activation:
  - Setting change from the factory setting is required.
  - Indoor unit fan setting will be on for safety reason without sensor activation of wired remote controller.

## ● Installation configuration of individual connection

External heating device is installed individually. (No use of indoor unit fan)



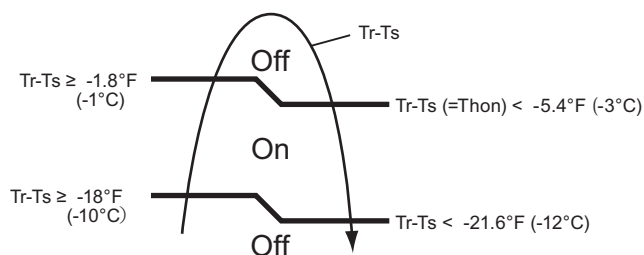
### ⚠ WARNING

- 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.

## ● Auxiliary heater control 1

Operation	Condition
Heater on	Heater is on as shown in following diagram of heating temperature.
Heater off	<ul style="list-style-type: none"> <li>Heater is off as shown in following diagram of heating temperature.</li> <li>Other than heating mode</li> <li>Error occurred</li> <li>Forced thermostat off</li> <li>Fan stop protection</li> </ul>

- 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

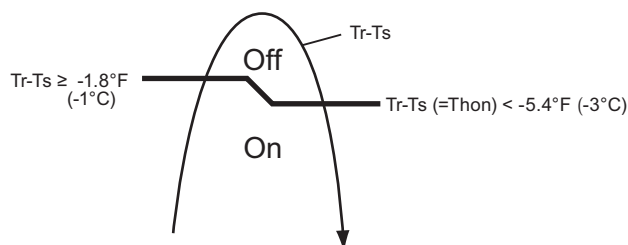
**Example:** When set temperature (Ts) is 72°F (22°C) (Factory setting),

- and room temperature (Tr) increases above 53.6°F (12°C), signal output is on.
- and room temperature (Tr) increases above 69.8°F (21°C), signal output is off.
- and room temperature (Tr) decreases below 66.2°F (19°C), signal output is on.
- and room temperature (Tr) decreases below 50°F (10°C), signal output is off.

## ● Auxiliary heater control 2

Operation	Condition
Heater on	Heater is on as shown in following diagram of heating temperature.
Heater off	<ul style="list-style-type: none"> <li>Heater is off as shown in following diagram of heating temperature.</li> <li>Other than heating mode</li> <li>Error occurred</li> <li>Forced thermostat off</li> <li>Fan stop protection</li> </ul>

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



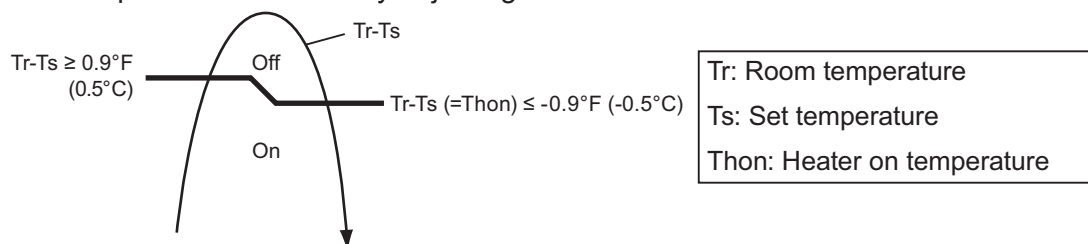
Tr: Room temperature  
Ts: Set temperature  
Thon: Heater on temperature

## ● Heat pump prohibition control

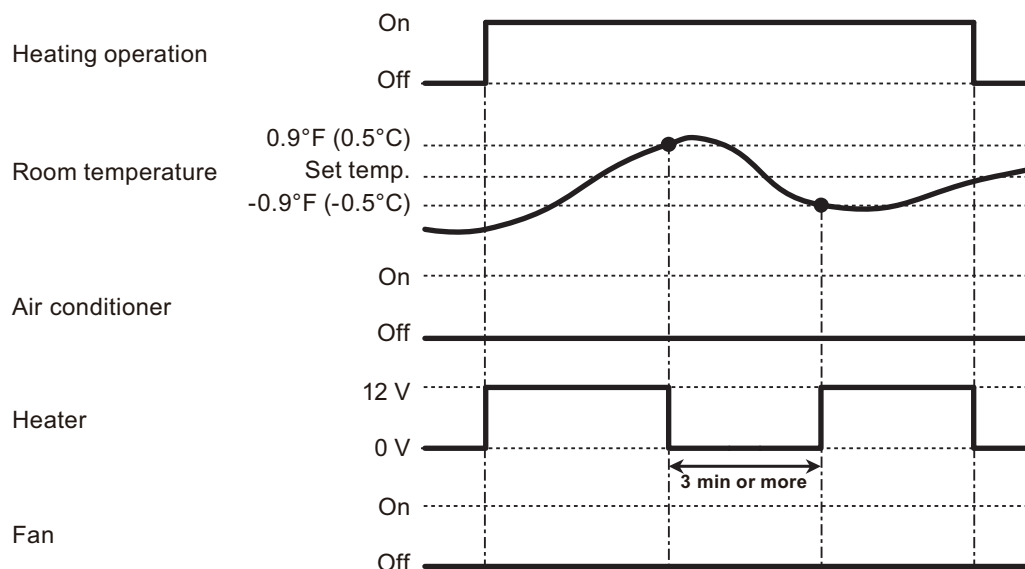
Perform heating by external heater only. Indoor unit is continuous thermostat off.

Operation	Condition
Heater on	Heater is on as shown in following diagram of heating temperature.
Heater off	<ul style="list-style-type: none"> <li>Heater is off as shown in following diagram of heating temperature.</li> <li>Other than heating mode</li> <li>Error occurred</li> <li>Forced thermostat off</li> </ul>

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



### • Operation status



**NOTE:** In following operations, compressor will be on.

- Other than heating
- Test run

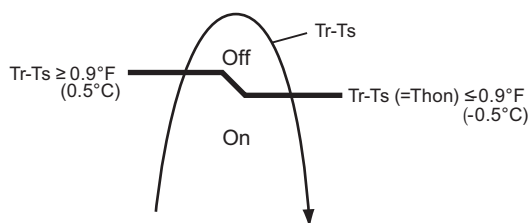
## ● Auxiliary heater control by outdoor temperature 1

This control selects heat pump or external heater according to the outdoor temperature. When outdoor temperature is high, the heating is performed by using heat pump only.

Operation	Condition
Heater on	Heater is on as shown in following diagram of heating temperature.
Heater off	<ul style="list-style-type: none"> <li>Heater is off as shown in following diagram of heating temperature.</li> <li>Other than heating mode</li> <li>Error occurred</li> <li>Forced thermostat off</li> <li>Heat pump only zone</li> </ul>

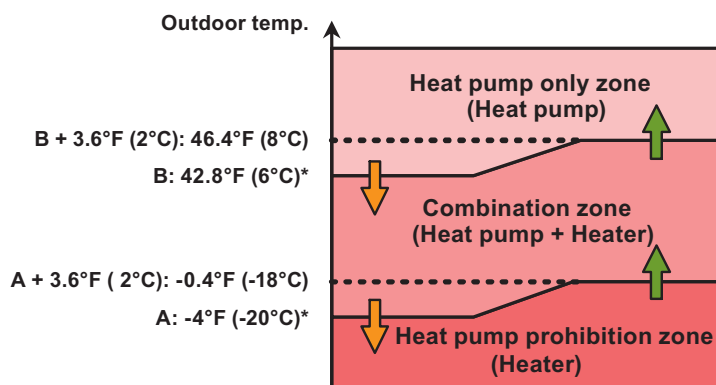
- Temperature of heater on (Thon): Adjustable by function number 62 (Operating temperature switching of external heaters).
- All control temperatures will shift by adjusting "Thon".
- Outdoor temperature zone boundary A and B: Adjustable individually by function setting number 66 and 67.

### • External heater output



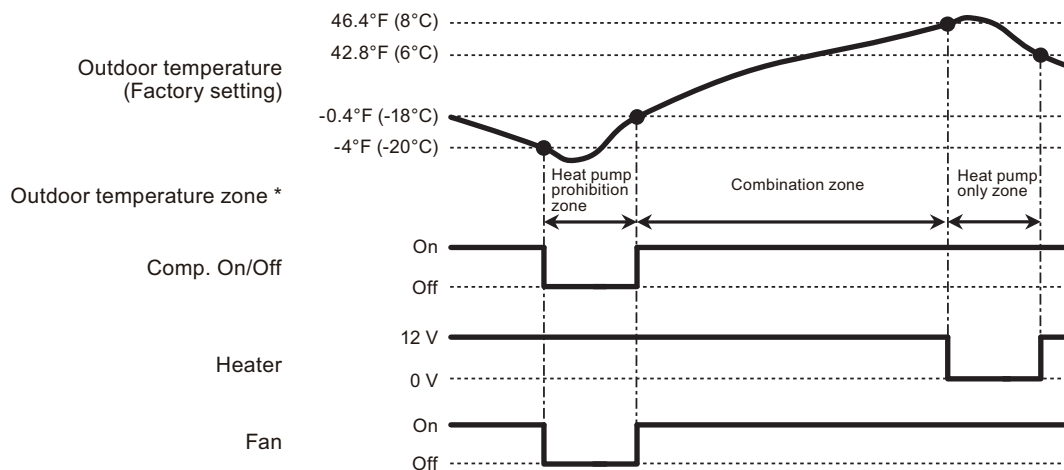
Tr: Room temperature  
Ts: Set temperature  
Thon: Heater on temperature

### • Outdoor temperature zone



\*: Adjustable by function setting 66 and 67

- Operation status



\* The outdoor temperature zone transition from one to another will stay in that zone for minimum of 30 min.

**NOTE:** In following operations, compressor will be on in heat pump prohibition zone.

- Other than heating
- Test run

## ● Auxiliary heater control by outdoor temperature 2

This control selects heat pump or external heater according to the outdoor temperature. Even when outdoor temperature is high, the heating is performed by using both of heat pump and external heater.

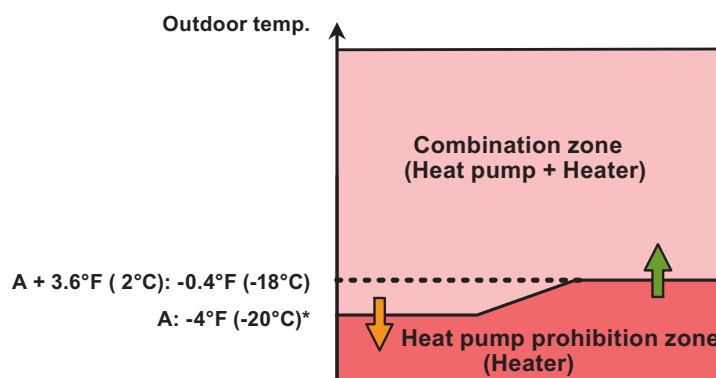
Operation	Condition
Heater on	Heater is on as shown in following diagram of heating temperature.
Heater off	<ul style="list-style-type: none"> <li>Heater is off as shown in following diagram of heating temperature.</li> <li>Other than heating mode</li> <li>Error occurred</li> <li>Forced thermostat off</li> </ul>

- Temperature of heater on (Thon): Adjustable by function number 62 (Operating temperature switching of external heaters).
- All control temperatures will shift by adjusting "Thon".
- Outdoor temperature zone boundary A: Adjustable by function setting number 66.

### • External heater output

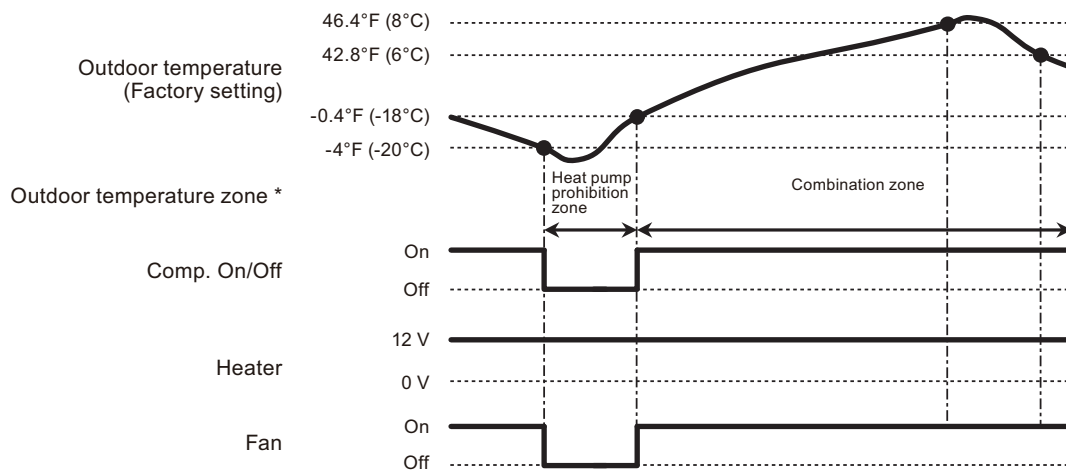


### • Outdoor temperature zone



\*: Adjustable by function setting 66

- Operation status



\* The outdoor temperature zone transition from one to another will stay in that zone for minimum of 30 min.

**NOTE:** In following operations, compressor will be on in heat pump prohibition zone.

- Other than heating
- Test run

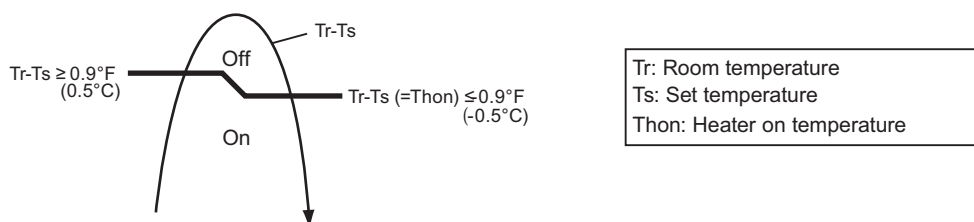
## ● Auxiliary heater control by outdoor temperature 3

This control selects heat pump or external heater according to the outdoor temperature. Even when outdoor temperature is high, the heating is performed by using both of heat pump and external heater.

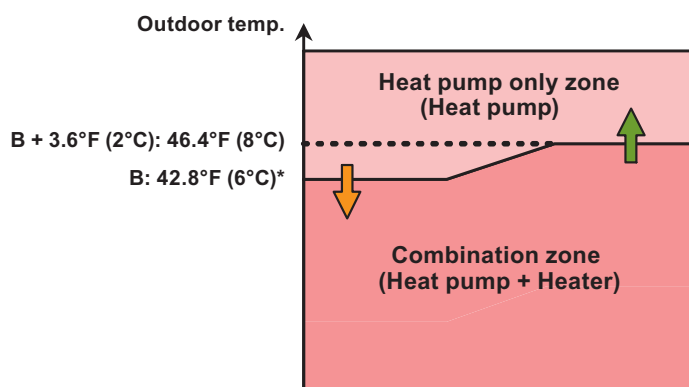
Operation	Condition
Heater on	Heater is on as shown in following diagram of heating temperature.
Heater off	<ul style="list-style-type: none"> <li>Heater is off as shown in following diagram of heating temperature.</li> <li>Other than heating mode</li> <li>Error occurred</li> <li>Forced thermostat off</li> </ul>

- Temperature of heater on (Thon): Adjustable by function number 62 (Operating temperature switching of external heaters).
- All control temperatures will shift by adjusting "Thon".
- Outdoor temperature zone boundary B: Adjustable by function setting number 67.

### • External heater output

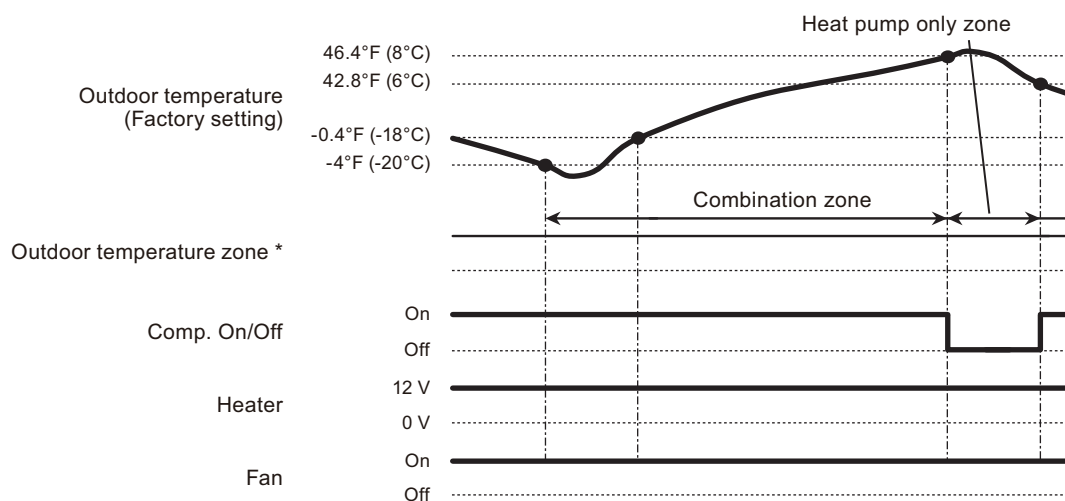


### • Outdoor temperature zone



\*: Adjustable by function setting 67

- Operation status



\* The outdoor temperature zone transition from one to another will stay in that zone for minimum of 30 min.

**NOTE:** In following operations, compressor will be on in heat pump prohibition zone.

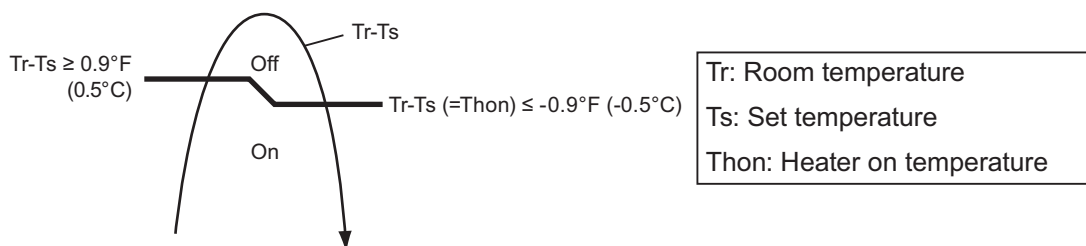
- Other than heating
- Test run

## ● Auxiliary heat pump control

### • External heater output

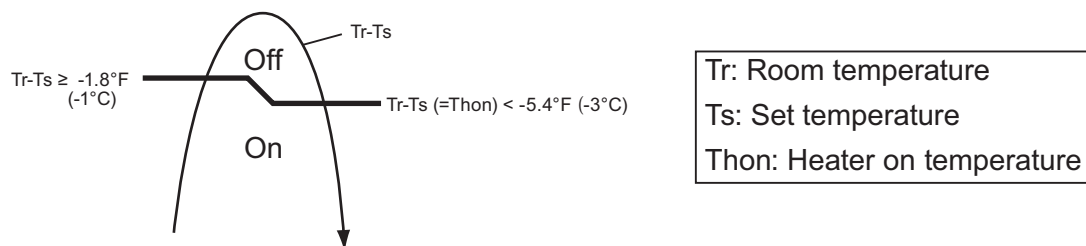
Operation	Condition
Heater on	Heater is on as shown in following diagram of heating temperature.
Heater off	<ul style="list-style-type: none"> <li>Heater is off as shown in following diagram of heating temperature.</li> <li>Other than heating mode</li> <li>Error occurred</li> <li>Forced thermostat off</li> </ul>

- Temperature of heater on (Thon): Set temperature (Ts) - 0.9 °F (- 0.5 °C)
- Temperature of heater off: Set temperature (Ts) + 0.9 °F (+ 0.5 °C)



### • Auxiliary heat pump On/Off

- Temperature of heater on (Thon): Adjustable by function number 62 (Operating temperature switching of heat pump).
- All control temperatures will shift by adjusting "Thon".

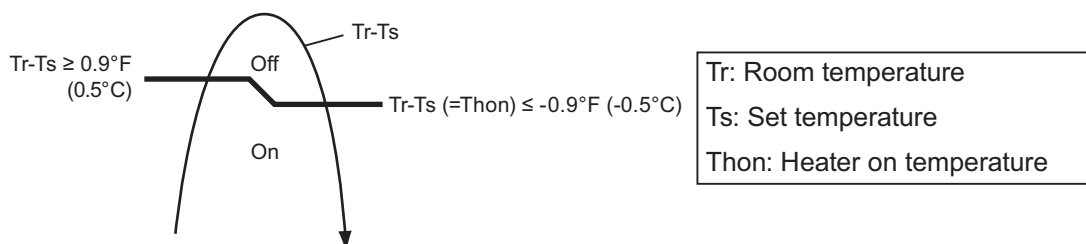


## ● Auxiliary heat pump control by outdoor temperature 1

### • External heater output

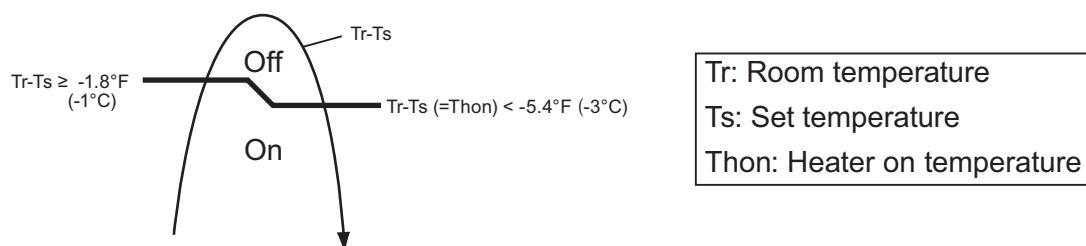
Operation	Condition
Heater on	Heater is on as shown in following diagram of heating temperature.
Heater off	<ul style="list-style-type: none"> <li>Heater is off as shown in following diagram of heating temperature.</li> <li>Other than heating mode</li> <li>Error occurred</li> <li>Forced thermostat off</li> </ul>

- Temperature of heater on (Thon): Set temperature (Ts) - 0.9 °F (- 0.5 °C)
- Temperature of heater off: Set temperature (Ts) + 0.9 °F (+ 0.5 °C)

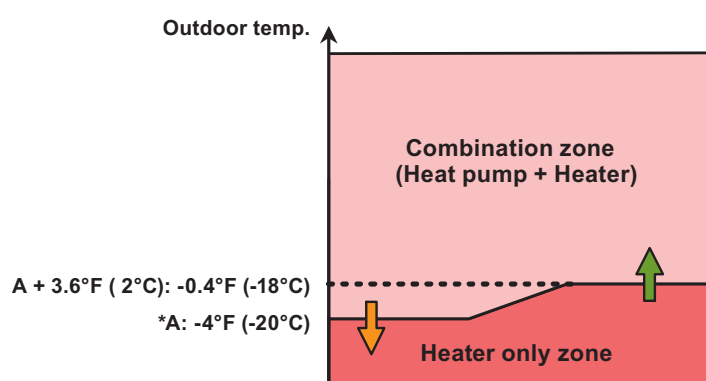


### • Auxiliary heat pump On/Off

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

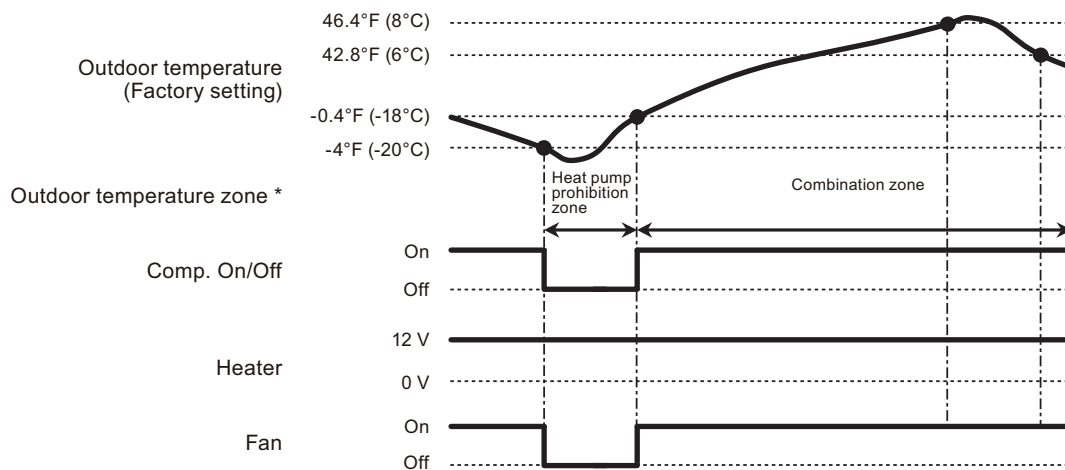


### • Outdoor temperature zone



\*: Adjustable by function setting 66

- Operation status



\* The outdoor temperature zone transition from one to another will stay in that zone for minimum of 30 min.

**NOTE:** In following operations, compressor will be on in heat pump prohibition zone.

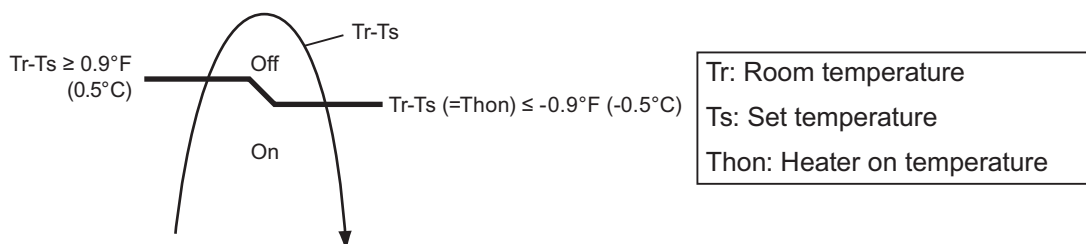
- Other than heating
- Test run

## ● Auxiliary heat pump control by outdoor temperature 2

### • External heater output

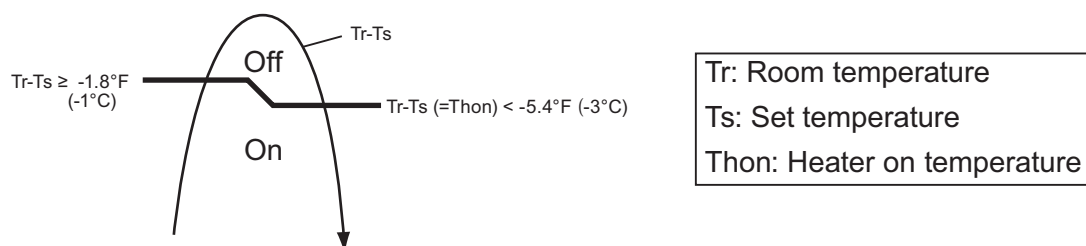
Operation	Condition
Heater on	Heater is on as shown in following diagram of heating temperature.
Heater off	<ul style="list-style-type: none"> <li>Heater is off as shown in following diagram of heating temperature.</li> <li>Other than heating mode</li> <li>Error occurred</li> <li>Forced thermostat off</li> </ul>

- Temperature of heater on (Thon): Set temperature (Ts) - 0.9 °F (- 0.5 °C)
- Temperature of heater off: Set temperature (Ts) + 0.9 °F (+ 0.5 °C)

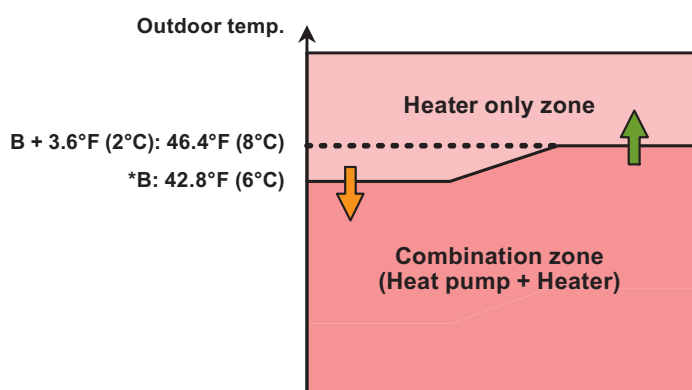


### • Auxiliary heat pump On/Off

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

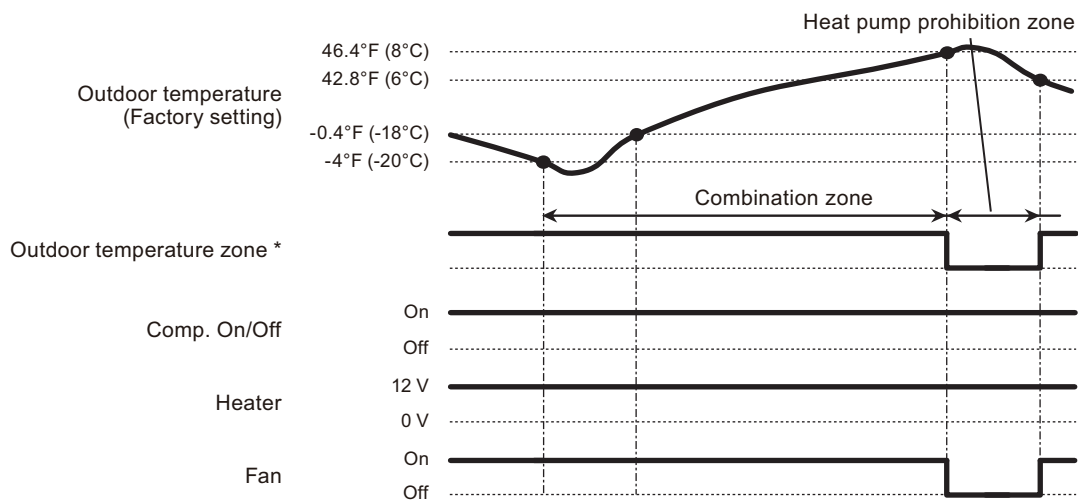


### • Outdoor temperature zone



\*: Adjustable by function setting 67

- Operation status



\* The outdoor temperature zone transition from one to another will stay in that zone for minimum of 30 min.

**NOTE:** In following operations, compressor will be on in heat pump prohibition zone.

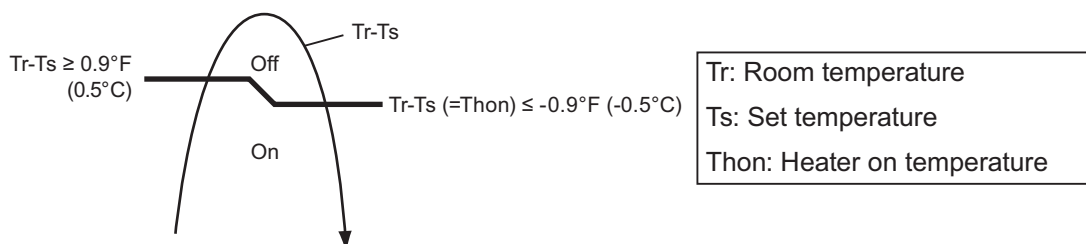
- Other than heating
- Test run

## ● Auxiliary heat pump control by outdoor temperature 3

### • External heater output

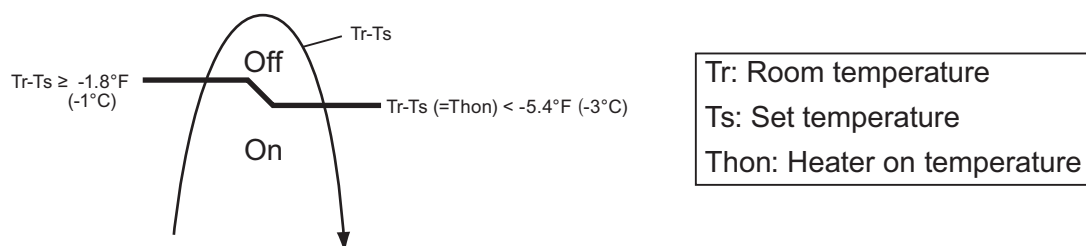
Operation	Condition
Heater on	Heater is on as shown in following diagram of heating temperature.
Heater off	<ul style="list-style-type: none"> <li>Heater is off as shown in following diagram of heating temperature.</li> <li>Other than heating mode</li> <li>Error occurred</li> <li>Forced thermostat off</li> </ul>

- Temperature of heater on (Thon): Set temperature (Ts) - 0.9 °F (- 0.5 °C)
- Temperature of heater off: Set temperature (Ts) + 0.9 °F (+ 0.5 °C)

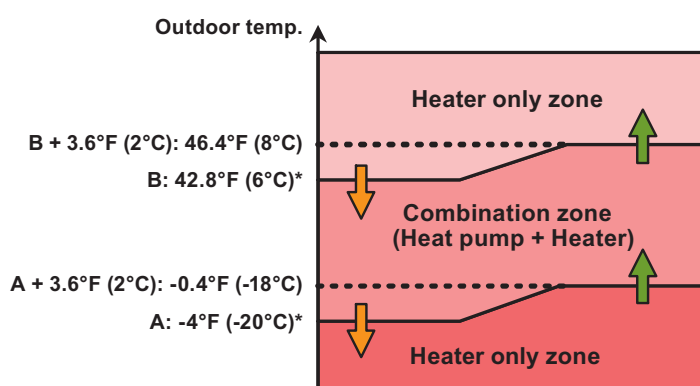


### • Auxiliary heat pump On/Off

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

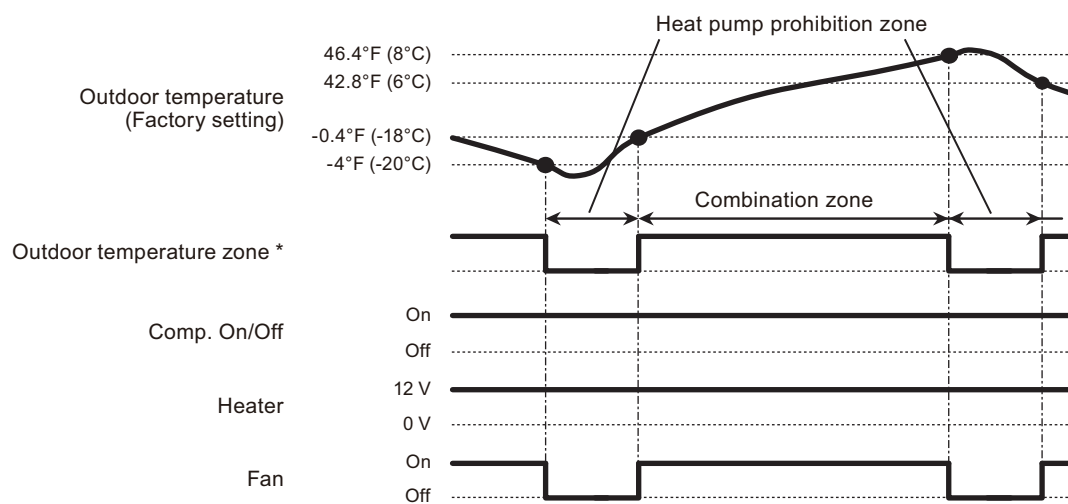


### • Outdoor temperature zone



\*: Adjustable by function setting 66 and 67

- Operation status



\* The outdoor temperature zone transition from one to another will stay in that zone for minimum of 30 min.

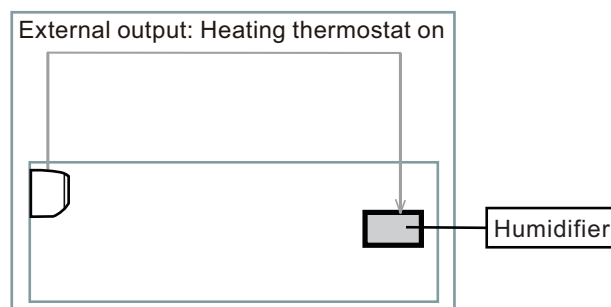
**NOTE:** In following operations, compressor will be on in heat pump prohibition zone.

- Other than heating
- Test run

## ■ Heating thermostat on for humidifier

Situation	Indoor unit				
	Mode	Function setting	Rotary SW	External output	
		Heating thermostat on no. 60		Heating thermostat on	Indoor unit fan operation status
Example of individual connection	5	60-05	7	CN47	Not used
	6	60-06	8	CN312	
	7	60-07	9	CN311	
	8	60-08	A	CN310	

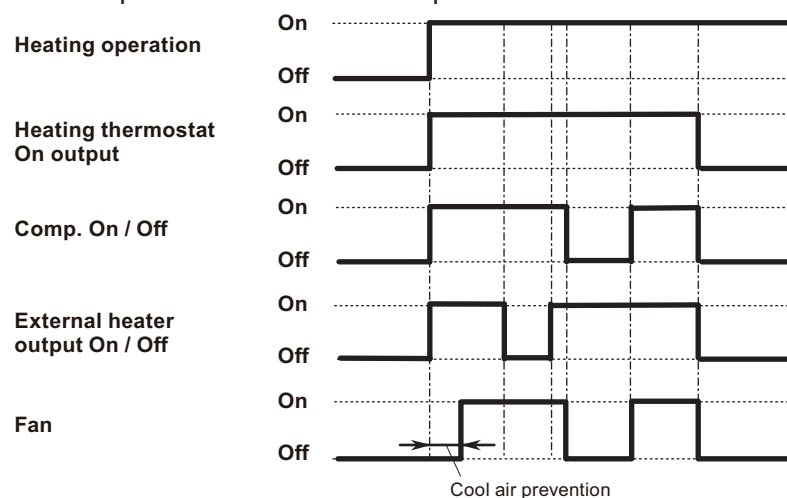
### • Example of individual connection



### • Operation status

The heating thermostat output for CNB01 (1-2 or 1-3 or 1- or 1-5) will be on when comp on or external heater on.

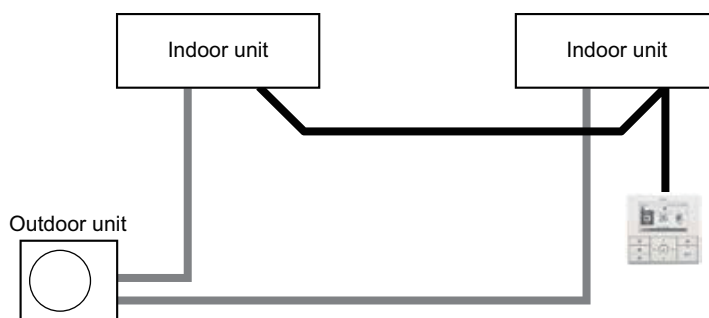
The heating thermostat output will be off when comp off and external heater off.



## 14. Group connection

Wiring regulation on the remote controllers in the multi-split systems are reviewed and allowed for group connection.

Example of group connection



\*Exterior of each device shown above might be different from the actual one.

### NOTES:

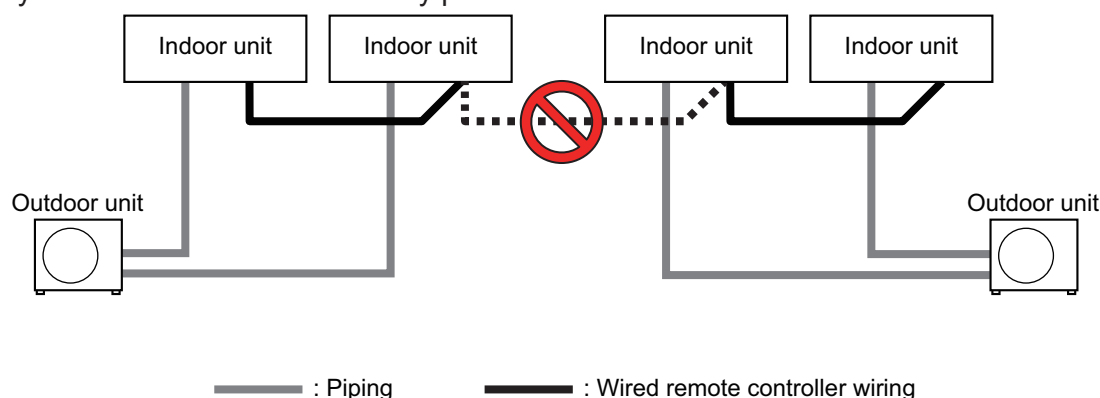
- Group connection is applicable for multi-split system consists of following products that are produced in 2013 or later:
  - ASU7RLF1, ASU9RLF1, ASU12RLF1, ASUH07LPAS, ASUH09LPAS, ASUH12LPAS, ASUH15LPAS, and ASUH18LPAS in wall mounted type
  - AGU9RLF, AGU12RLF, and AGU15RLF in floor type
- Maximum number of connectable indoor units is depend on the outdoor unit.
- Nonpolar 2-wired remote controller and Polar 3-wired remote controller cannot be connected within same group connection.

## 14-1. Precautions on creating a group connection

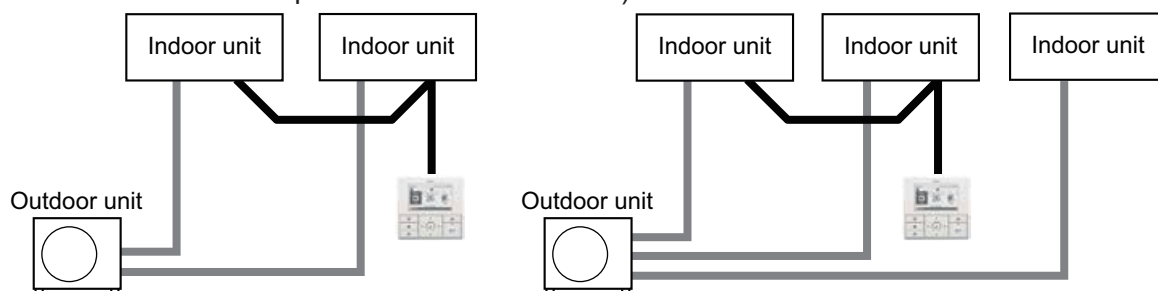
Take precautions on items described in this section when creating a group connection in the multi-split system.

### ⚠ CAUTION

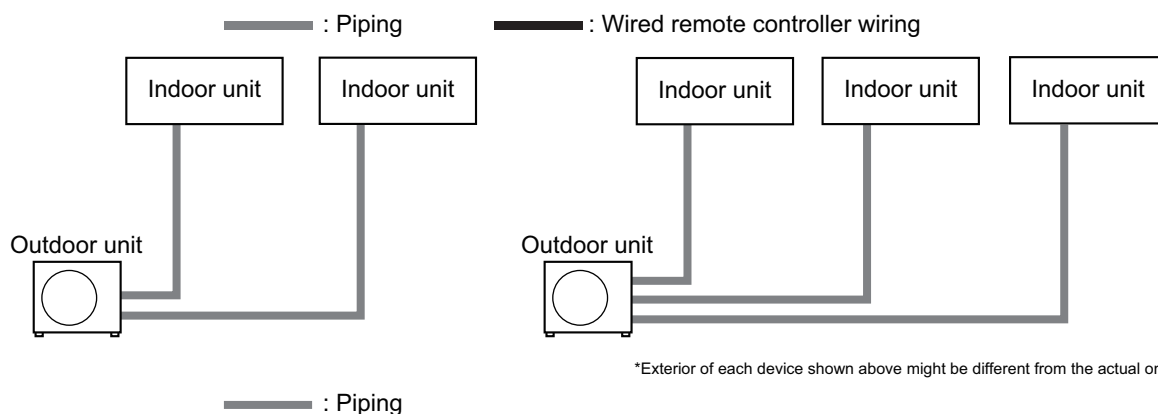
Group connection to other refrigerant system between the multi-split systems with same communication system as shown below is strictly prohibited.



- Group connection is allowed only in the same refrigerant system. (Maximum number of connectable indoor units is depend on the outdoor unit.).



\*Exterior of each device shown above might be different from the actual one.



\*Exterior of each device shown above might be different from the actual one.

- Maximum wiring length of the remote controller cable:** 984 ft (300 m)

Even if the maximum wiring length of the product itself is specified as longer than 984 ft (300 m), the maximum length of the remote controller cable will be 984 ft (300 m) if the system is group-connected.

When total wiring length is longer than 328 ft (100 m), the cable diameter needs to be changed as follows:

Total wiring length of remote controller cable Unit: ft (m)	Cross section of cable Unit: AWG (mm <sup>2</sup> )
328 (100) or less	18—22 (0.3—0.8)
328—656 (100—200)	18—20 (0.5—0.8)
656—984 (200—300)	18 (0.8)

- **Required parts for group connection**

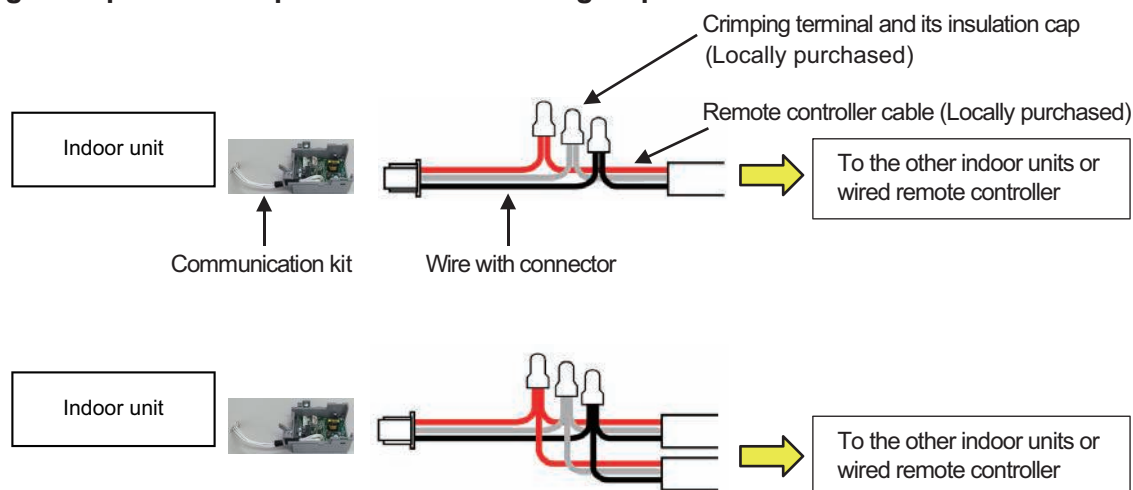
- Optional part:

Indoor unit type		Communication Kit
Wall mounted	ASU7RLF1, ASU9RLF1, ASU12RLF1, ASU15RLF1	UTY-XCBXZ2

As for the optional parts, refer to Chapter 18-3. "Others" on page 218.

- Service part: Wire with connector (Service part no. 9705932012)

**Wiring example for multiple remote control or group control:**



**NOTES:**

- Conceal the wirings of the group connection inside of the wall or by means of trunking at the thickness of 1 mm or more to prevent electrical shocks when getting in touch with the cables under certain circumstances.
- When using the Communication kit for wall mounted type, store the crimping terminals inside the Communication kit.
- In the wireless remote controllers for the group connection, its remote controller address can be set by its own. For the details, refer to following section "Remote controller address setting procedure for wireless remote controllers".  
An error is displayed immediately just turning on the power to effect the settings of the group connection. However the error will automatically disappear when the subsequent function setting is completed.
- Bundle the wires with a cable tie to prevent external pressures apply on the crimping terminals. (Ensure that the tensile strength for the splicing position is 10 N or above.)

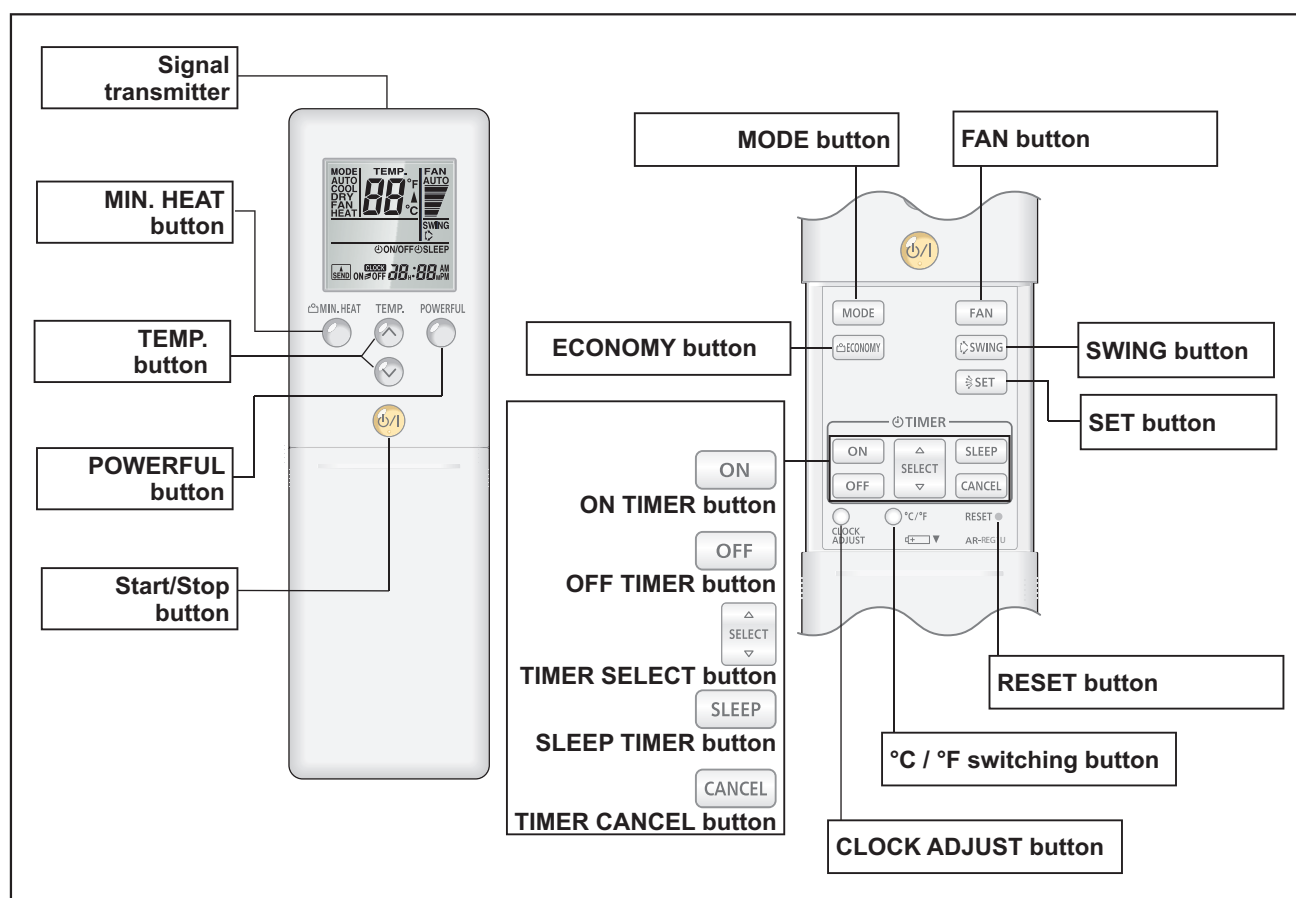
## 14-2. Remote controller address setting procedure for wireless remote controllers

1. Enter the function setting mode of the wireless remote controller. For details, refer to "Function settings" on page 174.
2. Select the function number "00" (Remote controller address setting), and then select any of the number (Setting value) from 00 to 15. (Factory setting: 00)

## 15. Remote controller

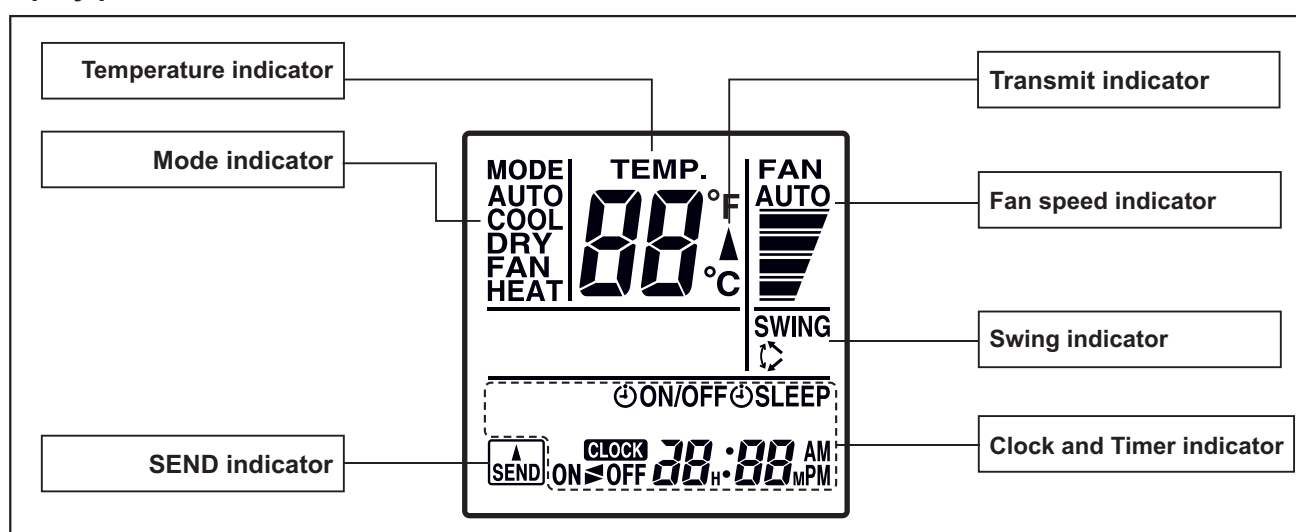
### 15-1. Wireless remote controller (AR-REG1U)

#### Overview



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

#### Display panel

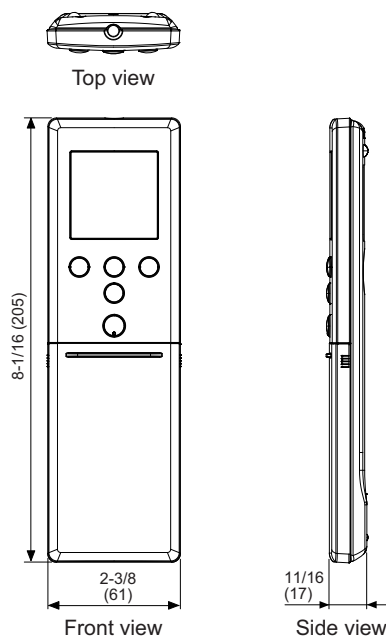


To facilitate explanation, the accompanying illustration has been drawn to show all possible indicators; in actual operation, however, the display will only show those indicators appropriate to the current operation.

## Specifications

### Controller

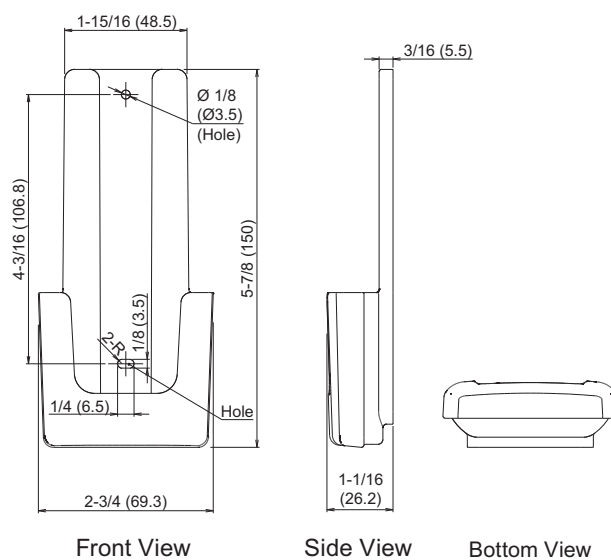
Unit: in (mm)



Size (H × W × D)	in (mm)	8-1/16 × 2-3/8 × 11/16 (205 × 61 × 17)
Weight	oz (g)	4.4 (124) (without batteries)

### Holder

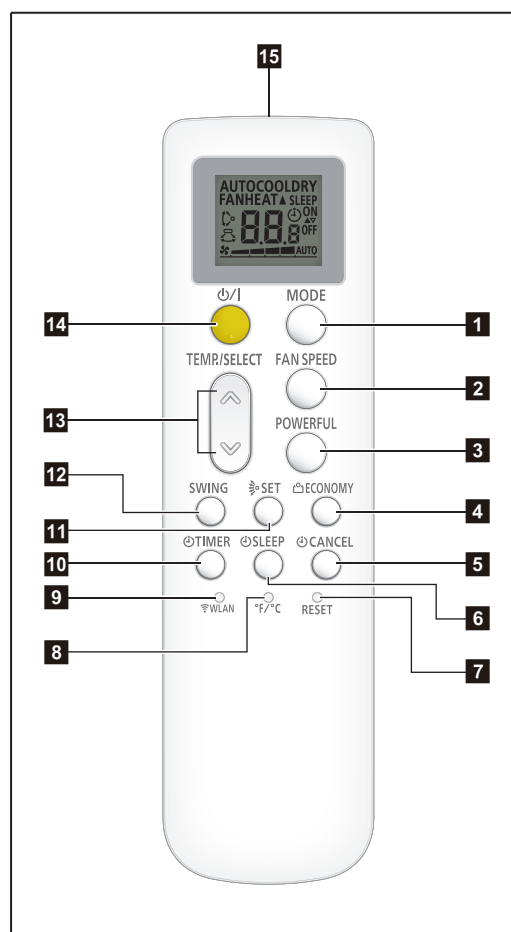
Unit: in (mm)



Size (H × W × D)	in (mm)	5-7/8 × 2-3/4 × 1-1/16 (150 × 69.3 × 26.2)
Weight	oz (g)	1 (27)

## 15-2. Wireless remote controller (AR-RPB1U)

### Overview



#### 1 MODE button

- Switches operation mode (AUTO, COOL, DRY, FAN, and HEAT).
- Starts/ends the remote controller custom code (max. 4 types) change.

#### 2 FAN SPEED button

- Press the FAN SPEED button while the air conditioner is operating, to control fan speed.
- Press and hold the FAN SPEED button for more than 5 seconds while the air conditioner is stopped, switch the energy saving fan control.

#### 3 POWERFUL button

#### 4 ECONOMY button

#### 5 CANCEL button

#### 6 SLEEP TIMER button

#### 7 RESET button

#### 8 °F/°C button

- Switches the temperature unit on the remote controller display.
- Press and hold the °F/°C button for more than 5 seconds to enter Service check mode.
  - Do not use Service check mode in normal use.
  - If there seems to be a problem, check the error code by referring to the Operation manual.

#### 9 WLAN button

- Starts the wireless LAN setting.
- Press and hold the WLAN button for more than 5 seconds while the air conditioner is operating, to enter test run mode.

#### 10 TIMER button

#### 11 SET button (Up/down airflow)

#### 12 SWING button

#### 13 TEMP./SELECT button

- Adjusts the setting temperature.
- Adjusts the value of the timer settings.
- Sets the remote controller code.

#### 14 START/STOP button

#### 15 Signal transmitter

#### 16 Temperature and time indicator

- Displays set temperature.
- In timer setting, it displays the timer time. After finishing the timer setting, set temperature will reappear.

#### 17 Signal transmit indicator

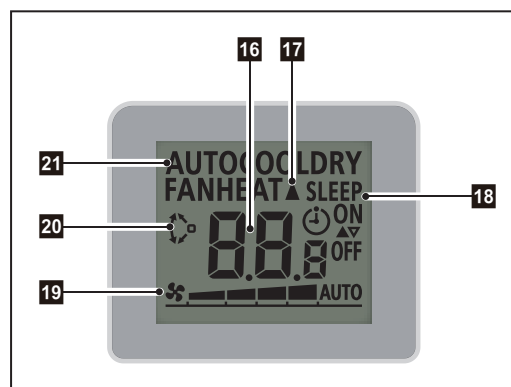
#### 18 Timer mode indicator

#### 19 Fan speed indicator

#### 20 Swing indicator

#### 21 Operating mode indicator

Display panel



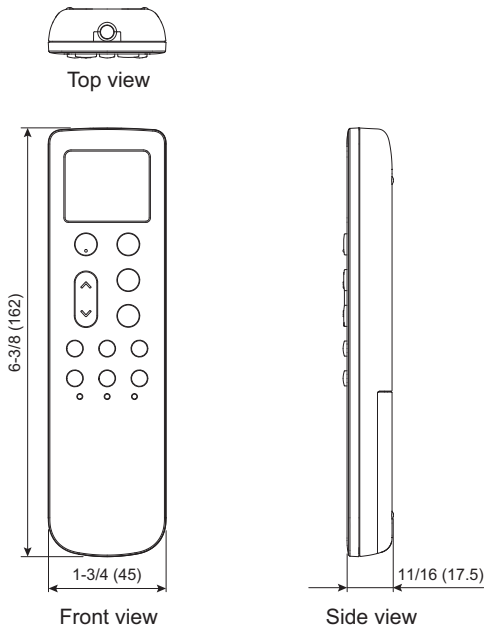
**NOTE:** Functions may differ by type of the indoor unit. For details, refer to the operation manual.

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

■ Specifications

● Controller

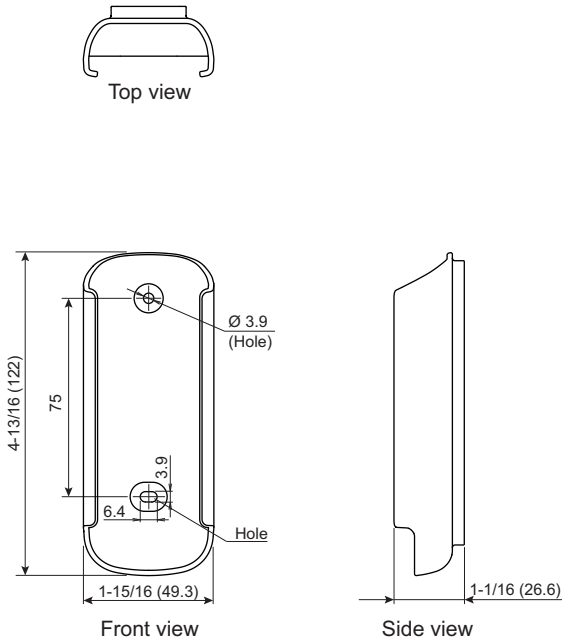
Unit: in (mm)



Size (H × W × D)	in (mm)	6-3/8 × 1-3/4 × 11/16 (162 × 45 × 17)
Weight	oz (g)	2.3 (65.5) (without batteries)

● Holder

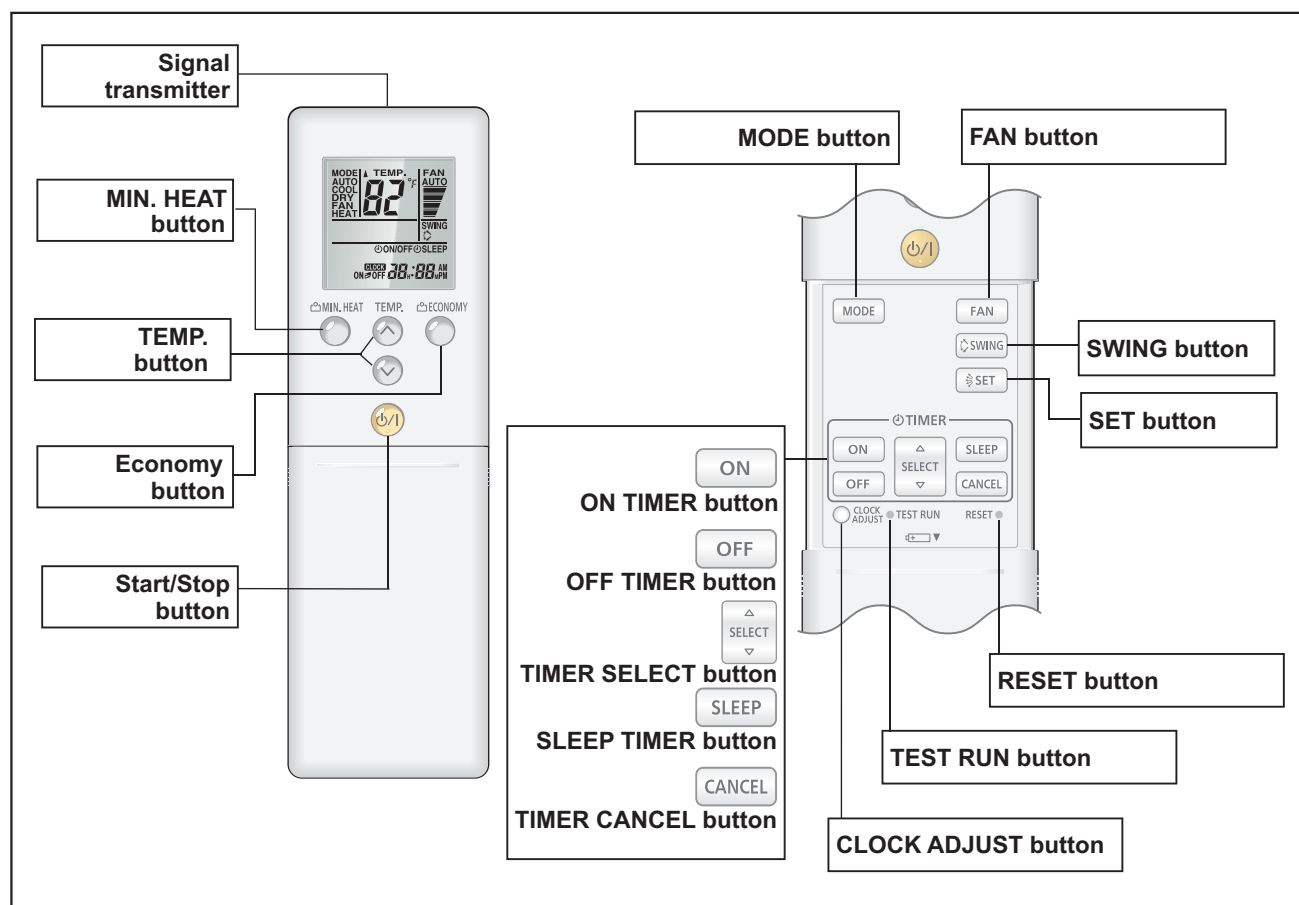
Unit: in (mm)



Size (H × W × D)	in (mm)	4-13/16 × 1-15/16 × 1-1/16 (122 × 49.3 × 26.6)
Weight	oz (g)	1 (23.5)

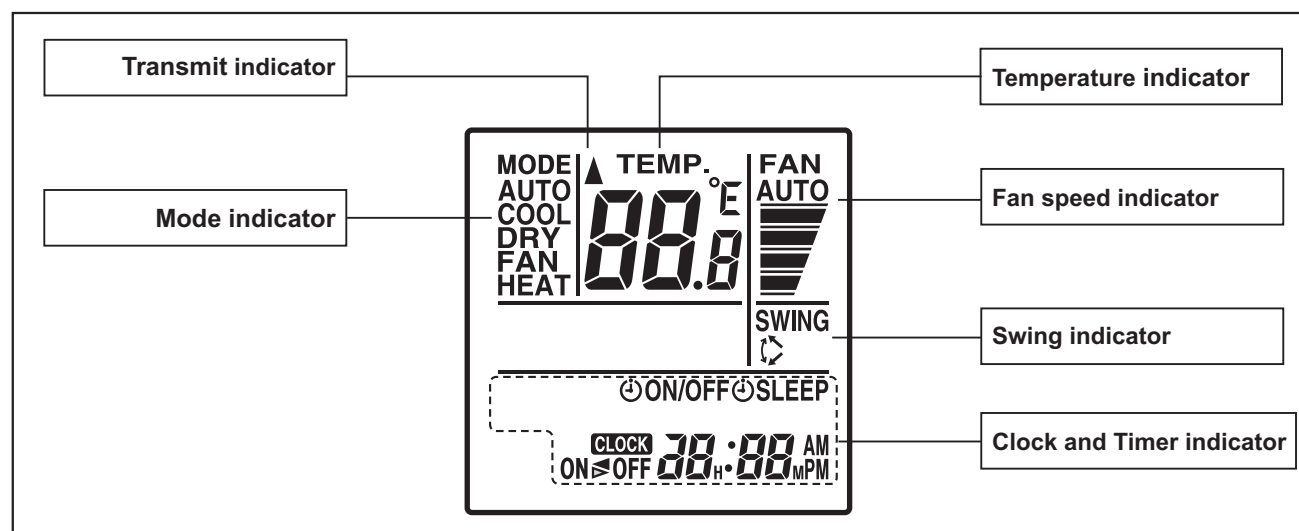
## 15-3. Wireless remote controller (UTY-LNTU: Optional part)

### Overview



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

### Display panel

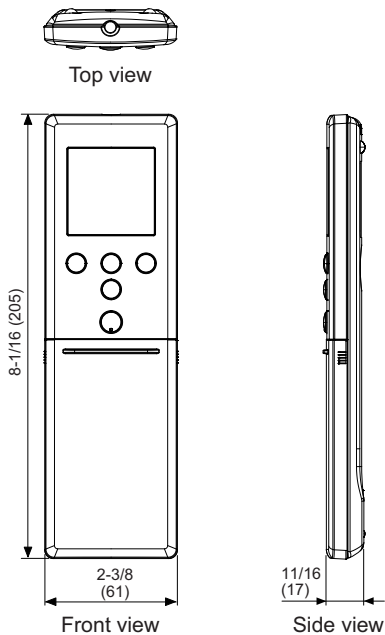


To facilitate explanation, the accompanying illustration has been drawn to show all possible indicators; in actual operation, however, the display will only show those indicators appropriate to the current operation.

■ Specifications

● Controller

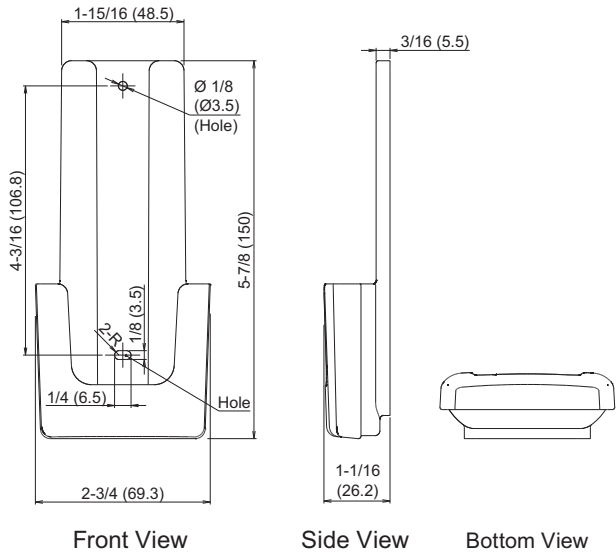
Unit: in (mm)



Size (H × W × D)	in (mm)	8-1/16 × 2-3/8 × 11/16 (205 × 61 × 17)
Weight	oz (g)	4.4 (124) (without batteries)

● Holder

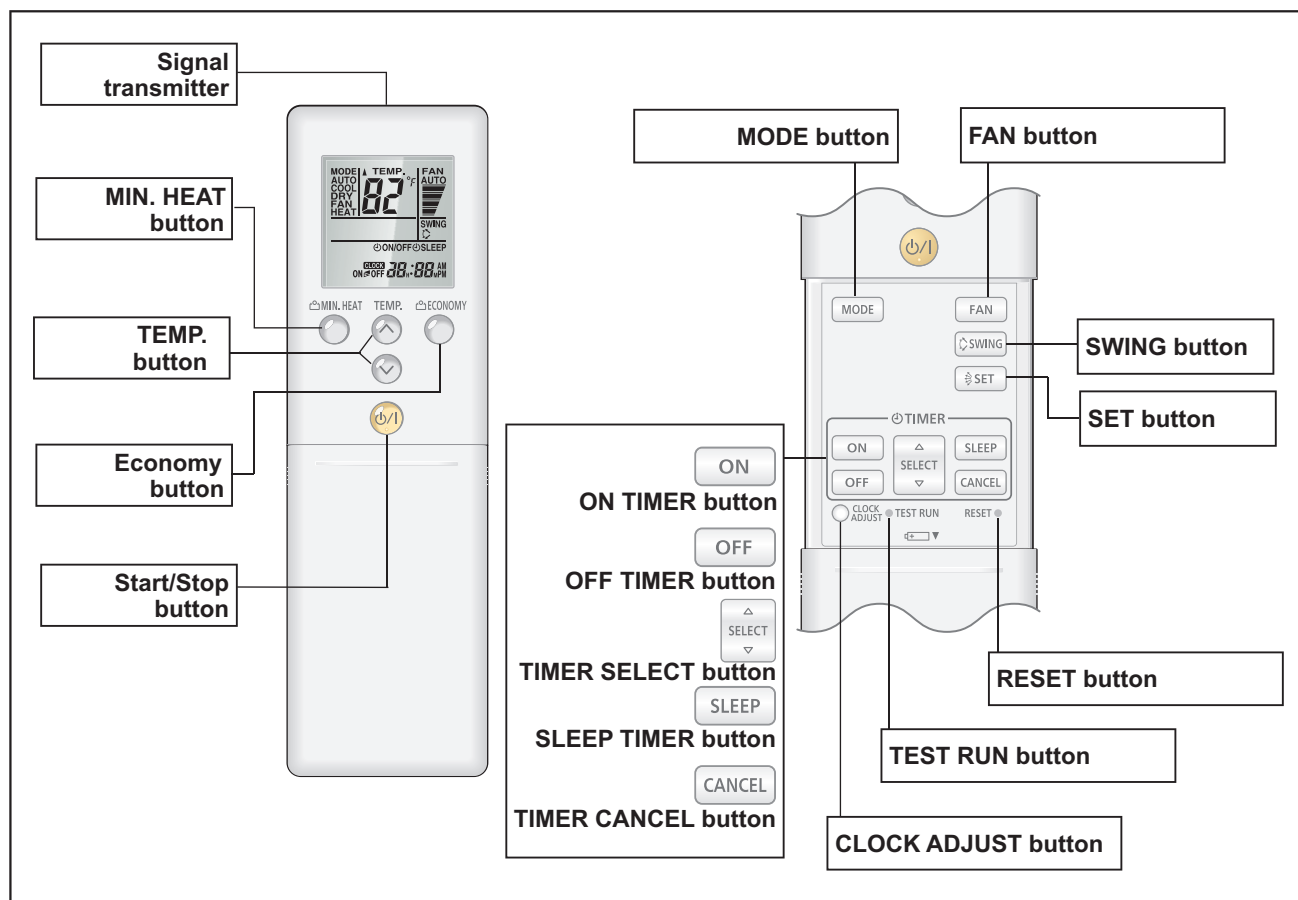
Unit: in (mm)



Size (H × W × D)	in (mm)	5-7/8 × 2-3/4 × 1-1/16 (150 × 69.3 × 26.2)
Weight	oz (g)	1 (27)

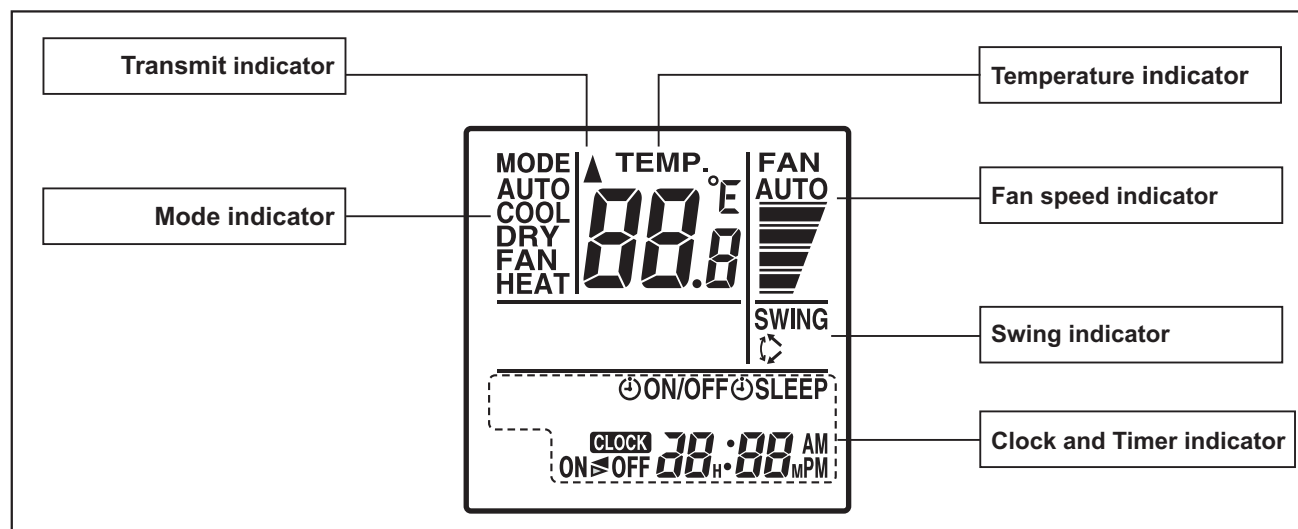
## 15-4. IR receiver kit with Wireless remote controller (UTY-LBTUM: Optional part)

### Overview



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

### Display panel

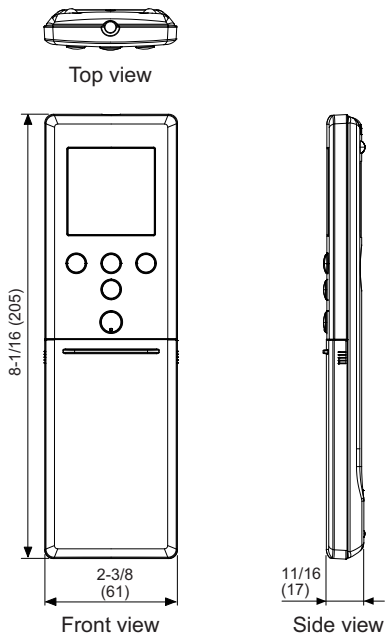


To facilitate explanation, the accompanying illustration has been drawn to show all possible indicators; in actual operation, however, the display will only show those indicators appropriate to the current operation.

■ Specifications

● Controller

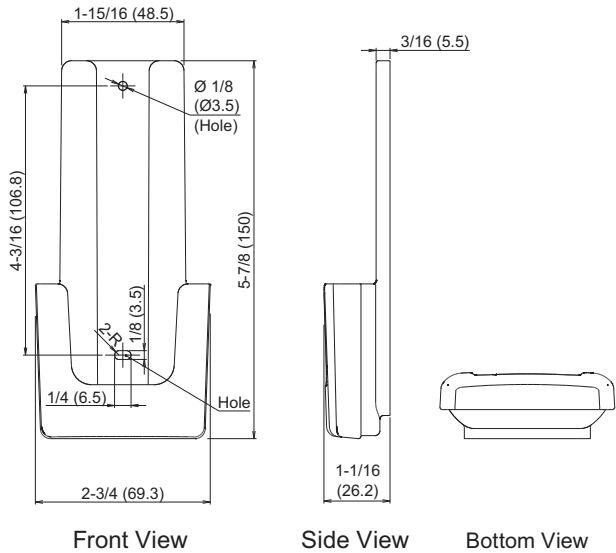
Unit: in (mm)



Size (H × W × D)	in (mm)	8-1/16 × 2-3/8 × 11/16 (205 × 61 × 17)
Weight	oz (g)	4.4 (124) (without batteries)

● Holder

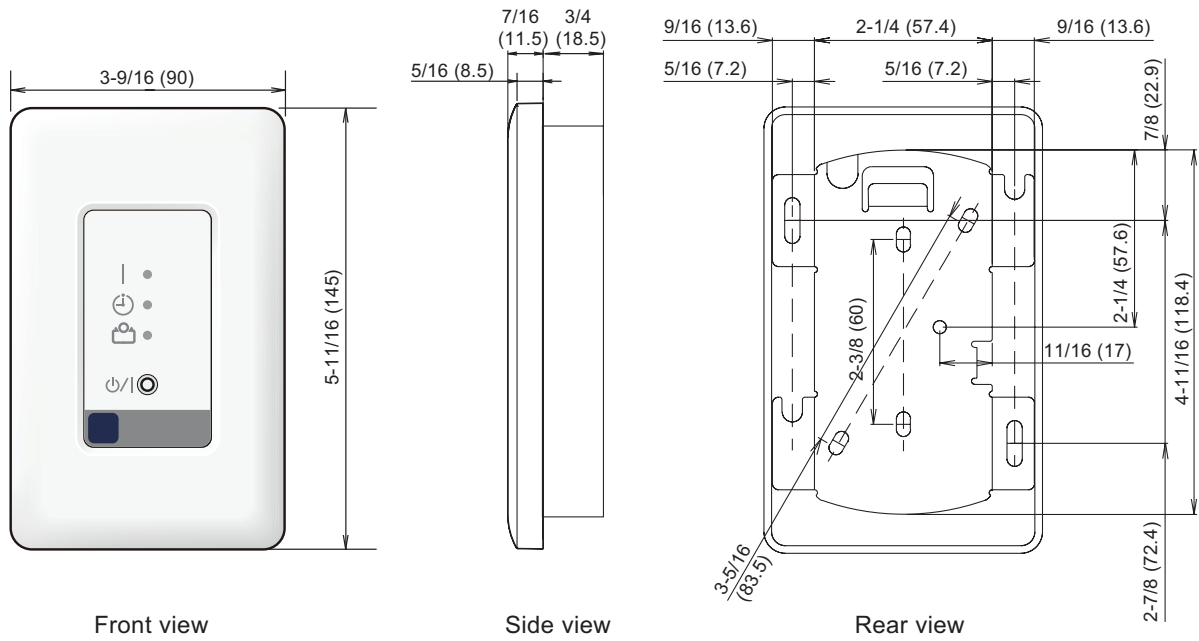
Unit: in (mm)



Size (H × W × D)	in (mm)	5-7/8 × 2-3/4 × 1-1/16 (150 × 69.3 × 26.2)
Weight	oz (g)	1 (27)

● IR receiver

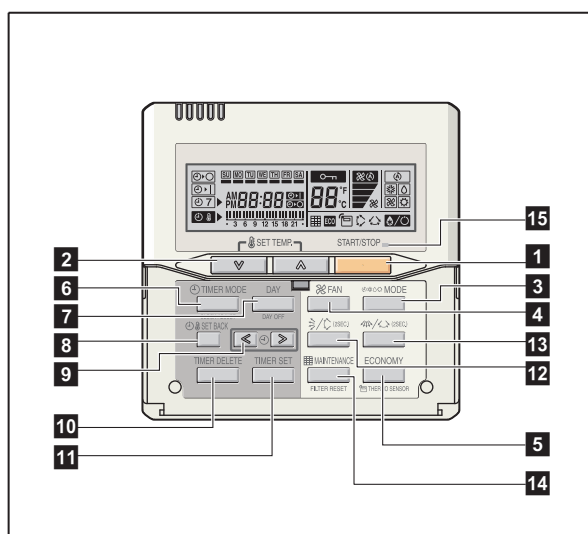
Unit: in (mm)



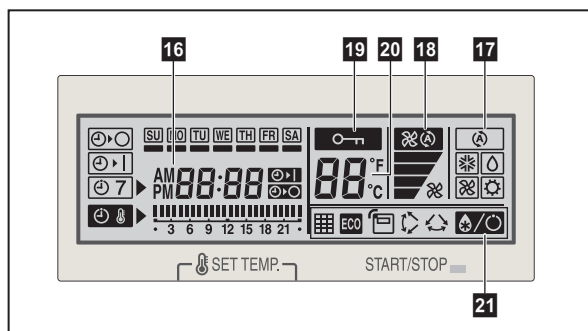
Size (H × W × D)	in (mm)	$5\frac{11}{16} \times 3\frac{9}{16} \times 1\frac{3}{16}$ (145 × 90 × 30)
Weight	oz (g)	5 (150)

## 15-5. Wired remote controller (UTY-RNNUM: Optional part)

















### Overview



Display panel

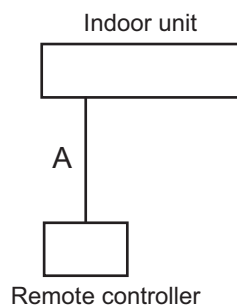


**NOTE:** Functions may differ by type of the indoor unit. For details, refer to the operation manual.

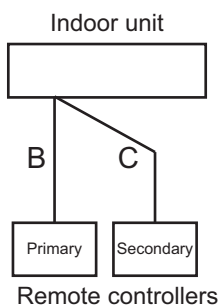
- 1 START/STOP button**  
Starts and stops operation.
- 2 SET TEMP. button**  
Selects the setting temperature.
- 3 MODE button**  
Selects the operating mode (AUTO , HEAT , FAN , COOL , and DRY ).
- 4 FAN button**  
Selects the fan speed AUTO , QUIET , LOW , MED , and HIGH .
- 5 ECONOMY (THERMO SENSOR) button**  
Turns the economy-efficient mode on and off.
- 6 TIMER MODE (CLOCK ADJUST) button**  
Selects the timer mode (off timer, on timer, and weekly timer). Sets the current time.
- 7 DAY (DAY OFF) button**  
Temporarily cancels one day timer.
- 8 SET BACK button**  
Selects the set back timer.
- 9 Set time button**  
Pressed to set time.
- 10 TIMER DELETE button**  
Deletes the weekly timer schedule.
- 11 TIMER SET button**  
Sets the date, hour, minute, and on-off time.
- 12 Vertical airflow direction and swing button**  
Push for 2 seconds to change the swing mode.
- 13 Horizontal airflow direction and swing button**  
Push for 2 seconds to change the swing mode.
- 14 FILTER RESET button**
- 15 Operation lamp**  
Lights during operation and when the timer is on.
- 16 Timer and clock indicator**
- 17 Operation mode indicator**
- 18 Fan speed indicator**
- 19 Operation lock indicator**
- 20 Temperature indicator**
- 21 Function indicators**
  -  Defrost indicator
  -  Thermo sensor indicator
  -  Economy indicator
  -  Vertical swing indicator
  -  Horizontal swing indicator
  -  Filter indicator

## System diagram

### 1 remote controller:



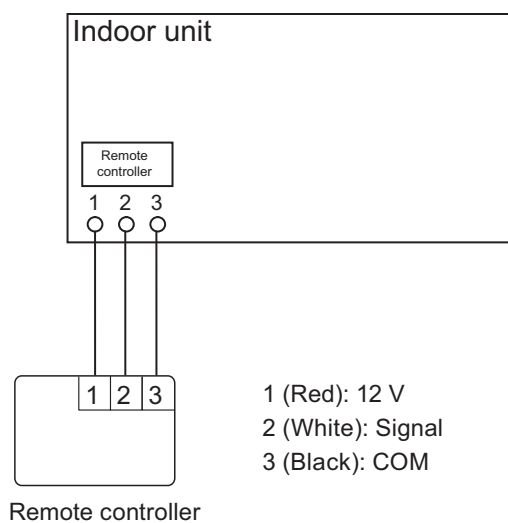
### 2 remote controllers:



A, B, C: Remote controller cable  
 $A \leq 1,640 \text{ ft (500 m)}$ ;  $B + C \leq 1,640 \text{ ft (500 m)}$

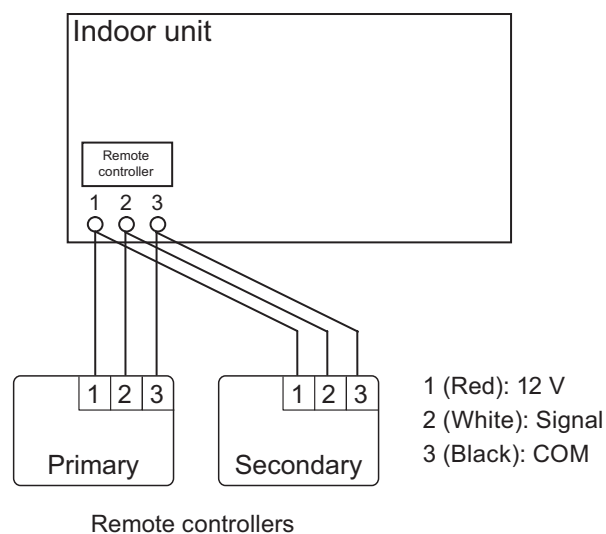
## Electrical wiring

### 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

## ■ Specifications

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

Unit: in (mm)		
	Front view	Side view
Size (H × W × D)	in (mm)	4-3/4 × 4-3/4 × 11/16 (120 × 120 × 18)
Weight	oz (g)	5.6 (160)
Cable length (accessory)	ft (m)	33 (10)
Power	V	12

## ● Wiring specifications

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

## ■ Installation

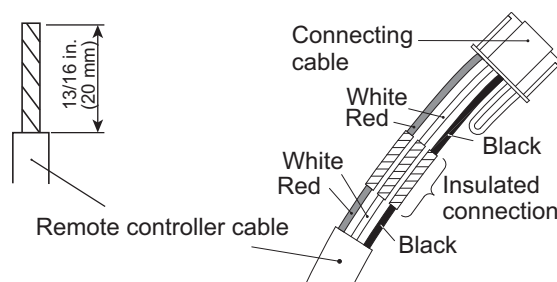
### ● Connection pattern

**NOTE:** Connection pattern is different according to type of Indoor unit.

Connectable indoor unit		Connection pattern
Wall mounted type	ASU7-15RLF1	Pattern A
Floor type		Pattern B

### ● Pattern A

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

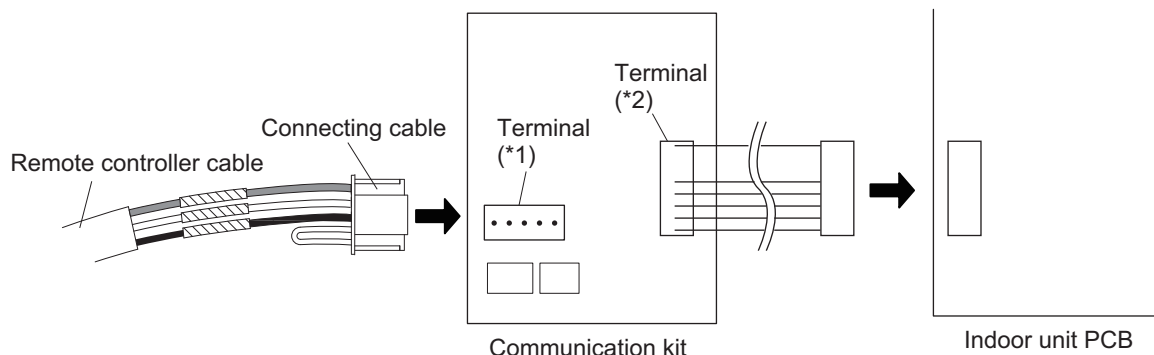


## 2. Connect the remote controller cable.

- Connect the cable made in step 1. to the terminal (\*1) of optional communication kit.
- Connect the cable from the terminal (\*2) of communication kit to the indoor unit PCB.

\*1: CNC01 (for ASU7-15RLF1: UTY-XCBXZ2)

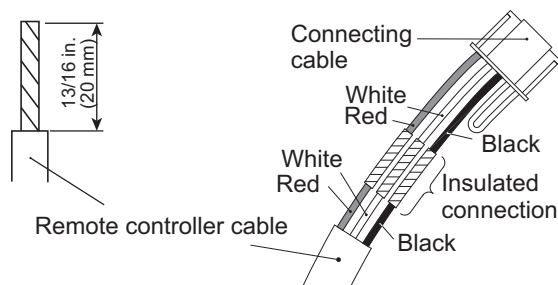
\*2: CND01 (for ASU7-15RLF1: UTY-XCBXZ2)



## ● Pattern B

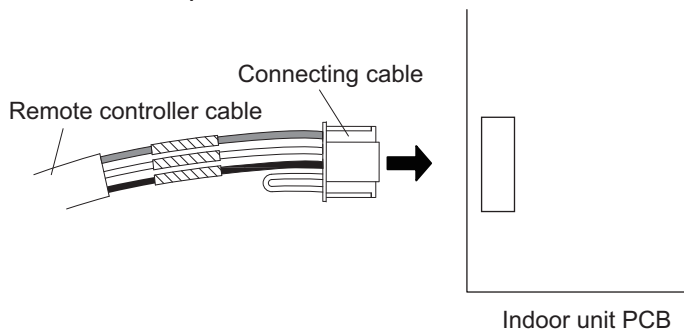
## 1. Modify the remote controller cable as follows:

- 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 indoor unit PCB.



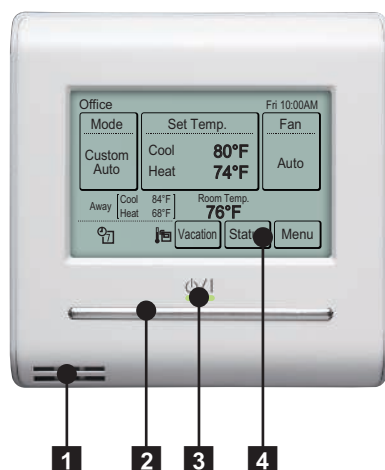
## ■ Optional parts

The optional communication kit is necessary for connecting the wired remote controller to some models in wall-mounted type.

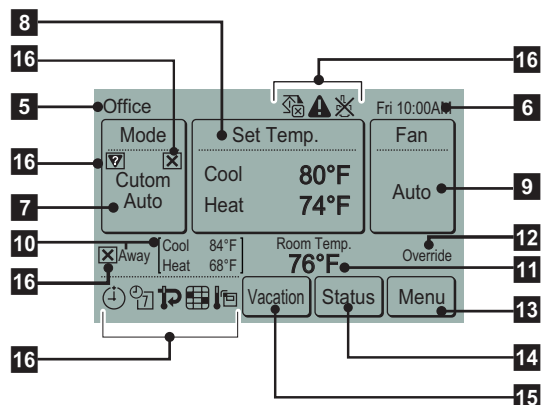
Unit type	Wall mounted	Communication kit
Model name	ASU7-15RLF1	UTY-XCBXZ2

## 15-6. Wired remote controller (UTY-RNRUZ\*: Optional part)

### Overview



Display panel



#### 1 Remote temperature sensor (inside)

#### 2 On/off button

Operable only while displaying the "Monitor mode" screen.

#### 3 LED lamp (operation indicator)

#### 4 Touch panel display

#### 5 Remote controller group name

#### 6 Clock

#### 7 Mode

#### 8 Set temperature

#### 9 Fan

#### 10 Away

#### 11 Room temperature

#### 12 Override

#### 13 Menu

Various settings can be set.

#### 14 Status

Status of the indoor unit and error can be checked.

#### 15 Vacation

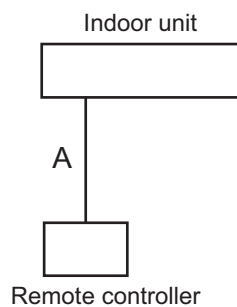
When this is touched, the schedule is disabled and the indoor unit remains unoccupied.

#### 16 Status icons

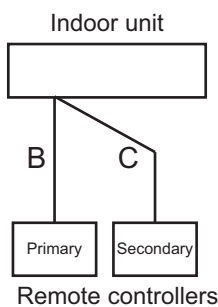
**NOTE:** Functions may differ by type of the indoor unit. For details, refer to the operation manual.

## System diagram

### 1 remote controller:



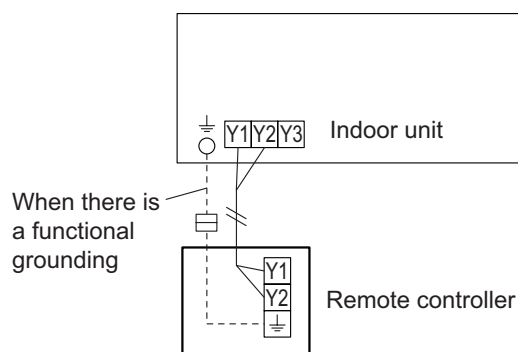
### 2 remote controllers:



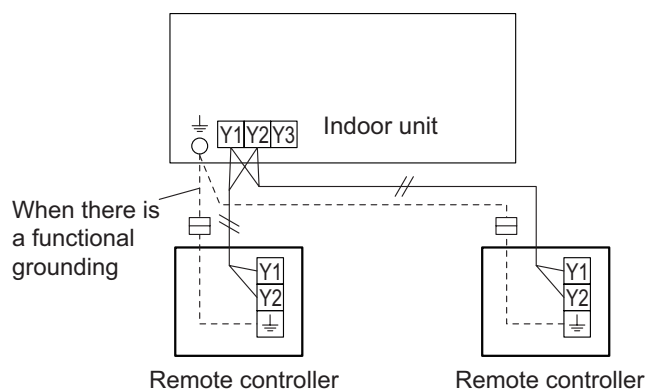
A, B, C: Remote controller cable  
 $A \leq 1,640 \text{ ft (500 m)}$ ;  $B + C \leq 1,640 \text{ ft (500 m)}$

## Electrical wiring

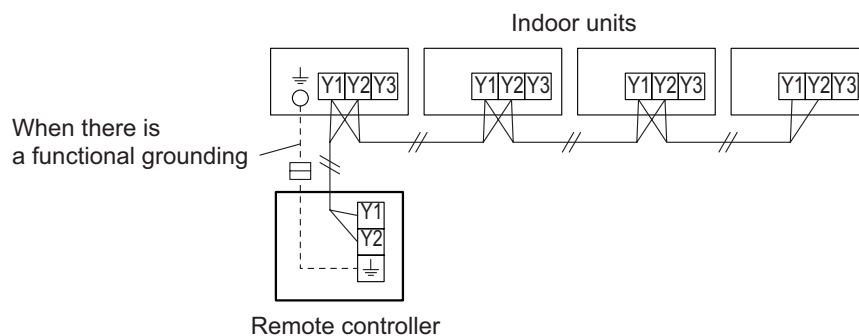
### 1 remote controller:



### 2 remote controllers:



### Group control:

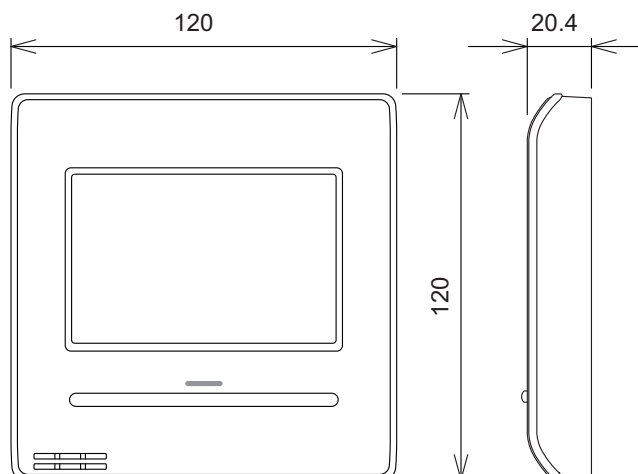


**NOTE:** Group connection with Polar 3-wired remote controller is not allowed.

## Specifications

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

[Unit : mm]



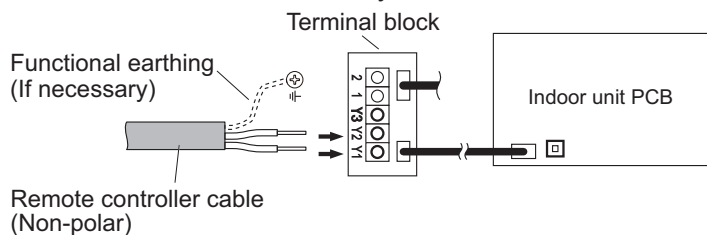
Model name	UTY-RNRUZ*	
Display	3.8-inch FSTN LCD (255 × 160 dots) with touch panel	
Dimensions (H × W × D)	in (mm)	4-3/4 × 4-3/4 × 13/16 (120 × 120 × 20.4)
Weight	oz (g)	8 (220)
Input voltage	V	DC 12
Power consumption	W	Max. 0.3
Usage temperature range	°F (°C)	32 to 104 (0 to 40)
Usage humidity range	%	20 to 90 (no condensation)
Storage temperature range	°F (°C)	14 to 140 (-10 to 60)
Storage humidity range	%	20 to 90 (no condensation)

## Wiring specifications

Use	Cable size	Wire type	Remarks
Remote controller cable	22 to 16 AWG (0.33 to 1.25 mm <sup>2</sup> )	Non-polar 2-core, Twisted pair	Use sheathed PVC cable.
	18 AWG	Thermostat cable 2 core	Use sheathed non twisted pair cable

## Installation

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

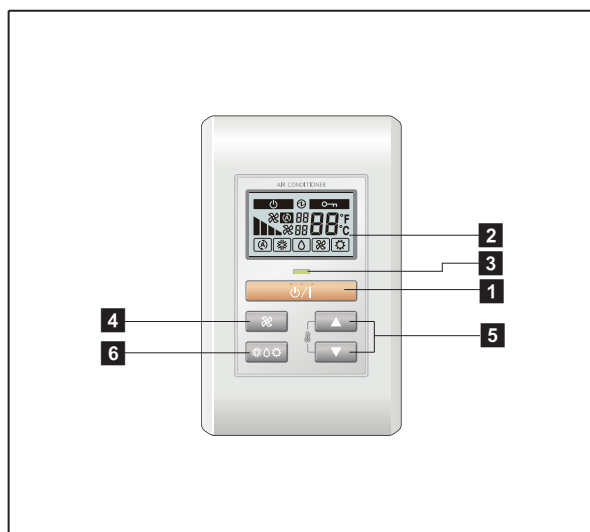


### NOTES:

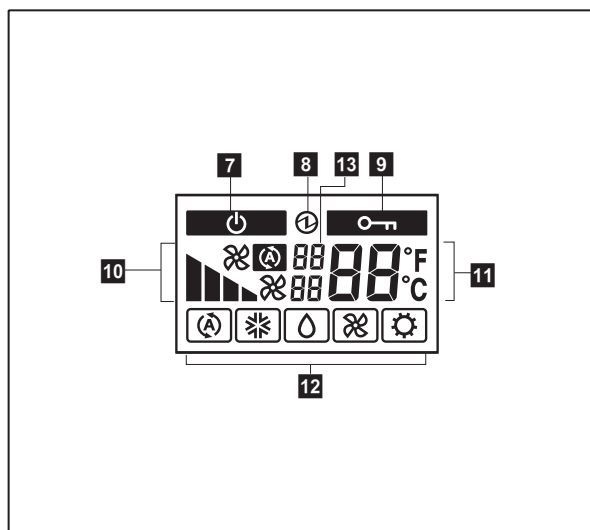
- Layout of terminal block and PCB is varies depending on the type of indoor unit.
- Operation may fail if it is connected to the outdoor unit or the terminal block for power supply.

## 15-7. Simple remote controller (UTY-RSNUM: Optional part)

### Overview



Display panel



#### 1 START/STOP button

Starts and stops operation.






#### 2 Display backlight button

Lights during operation.

#### 3 Operation lamp

Lights during operation.






#### 4 FAN button

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

#### 5 SET TEMP. button

Selects the setting temperature.

#### 6 MODE button

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

#### 7 Standby indicator

Indicates during the oil recovery and defrosting operation.

#### 8 Power source indicator

Indicates the main power is on.

#### 9 Central control indicator

Indicates when function is locked.

#### 10 Fan speed indicator

Deletes the weekly timer schedule.

#### 11 Set temperature

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

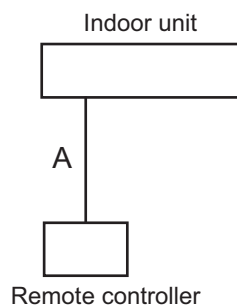
#### 12 Operating mode indicator

#### 13 Indicator

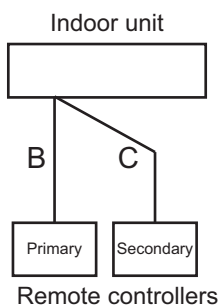
- Upper:
  - Indicates the error code in error code history display mode and in self diagnosis mode.
  - Indicates the refrigerant system address in address display mode.
- Lower: Indicates the remote controller address in error code history display mode, address display mode, and self diagnosis mode.

## System diagram

### 1 remote controller:



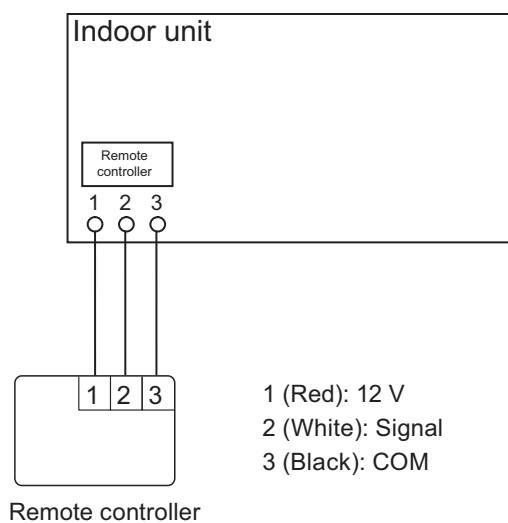
### 2 remote controllers:



A, B, C: Remote controller cable  
 $A \leq 1,640 \text{ ft (500 m)}$ ;  $B + C \leq 1,640 \text{ ft (500 m)}$

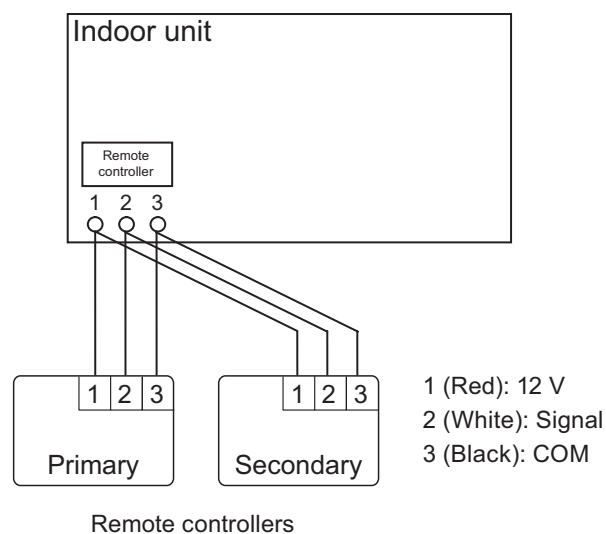
## Electrical wiring

### 1 remote controller:



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

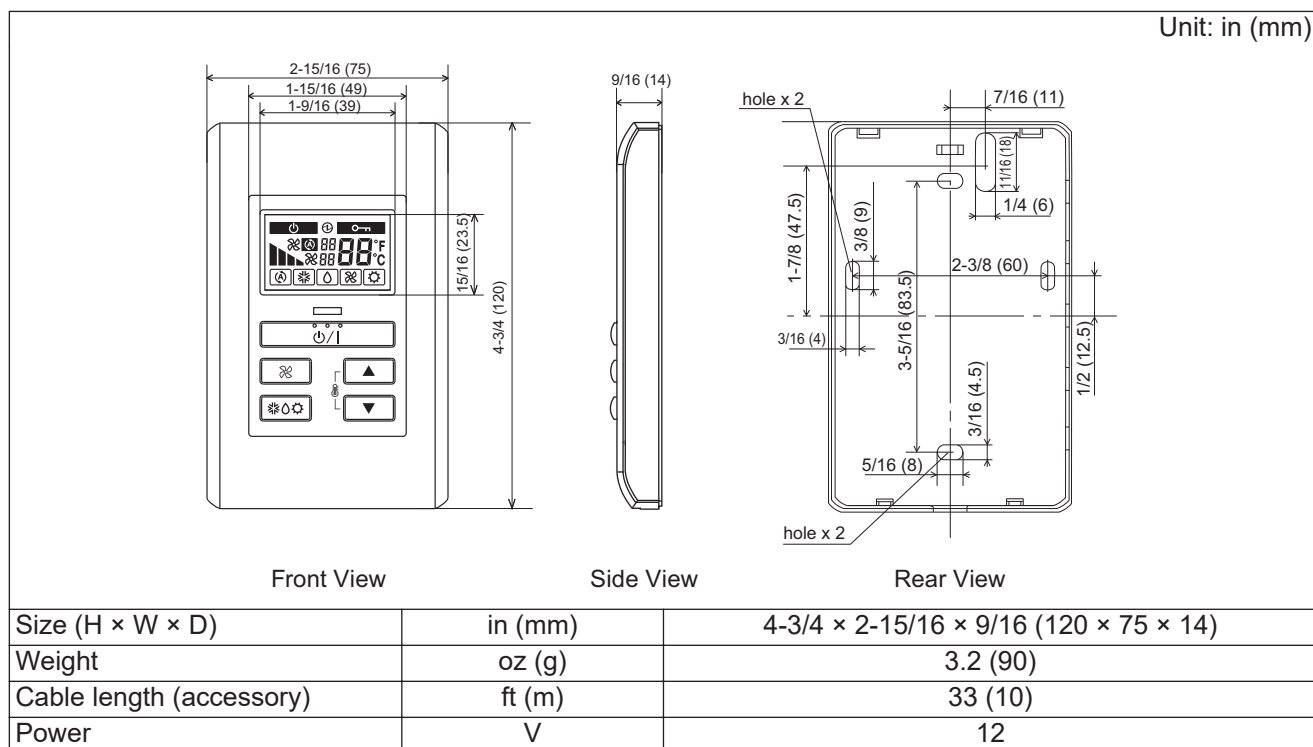
### 2 remote controllers:



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

## ■ Specifications

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



## ● Wiring specifications

Use	Size	Wire type	Remarks
Remote controller cable	22 AWG (0.33 mm <sup>2</sup> )	Polar 3 core	Use sheathed PVC cable.

## ■ Installation

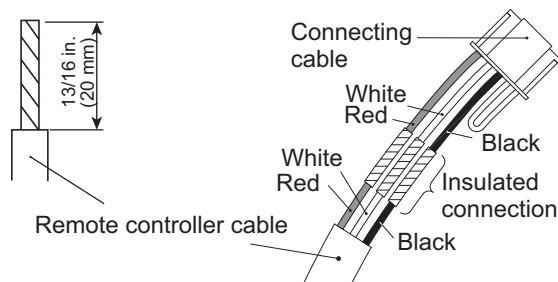
### ● Connection pattern

**NOTE:** Connection pattern is different according to type of Indoor unit.

Connectable indoor unit		Connection pattern
Wall mounted type	ASU7-15RLF1	Pattern A
Floor type		Pattern B

## ● Pattern A

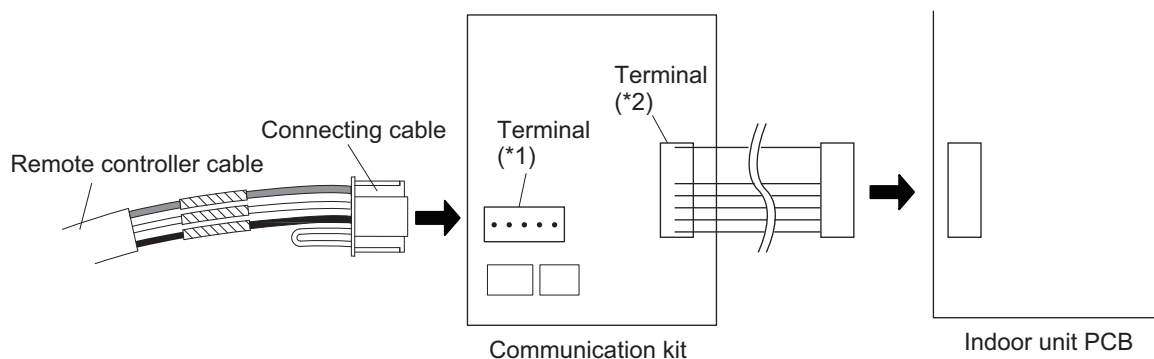
1. Modify the remote controller cable as follows:
  - Use a tool to cut off the terminal on the end of the remote controller cable and then remove the insulation from the cut end of the cable as shown in following figure.
  - Connect the remote controller cable and connecting cable as shown in following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



2. Connect the remote controller cable.
  - Connect the cable made in step 1. to the terminal (\*1) of optional communication kit.
  - Connect the cable from the terminal (\*2) of communication kit to the indoor unit PCB.

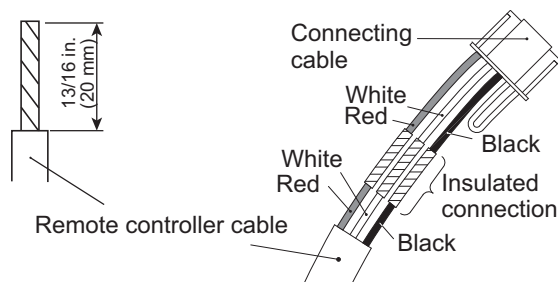
\*1: CNC01 (for ASU7-15RLF1: UTY-XCBXZ2)

\*2: CND01 (for ASU7-15RLF1: UTY-XCBXZ2)

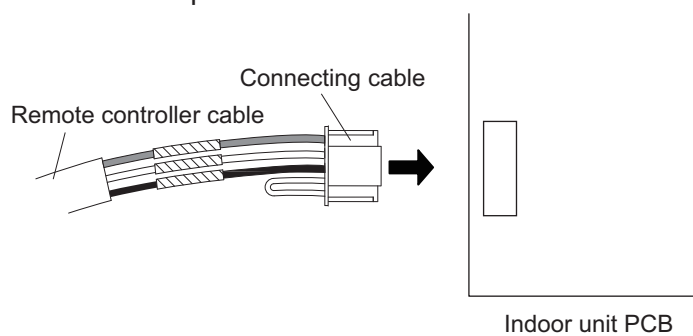


## ● Pattern B

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 indoor unit PCB.



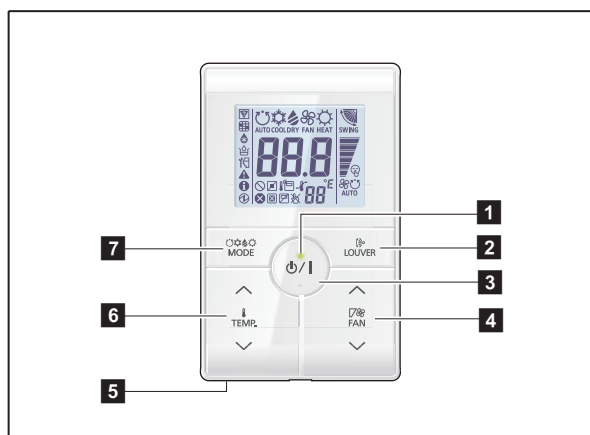
## ■ Optional parts

The optional communication kit is necessary for connecting the wired remote controller to some models in wall-mounted type.

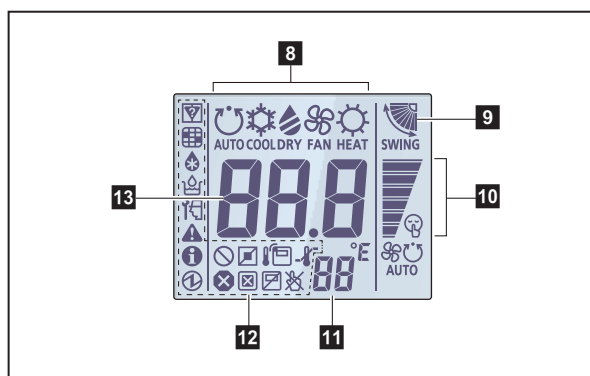
Unit type	Wall mounted	Communication kit
Model name	ASU7-15RLF1	UTY-XCBXZ2

## 15-8. Simple remote controller (UTY-RSRY and UTY-RHRY: Optional parts)

### Overview



Display panel



\*1: Available only for UTY-RSR\*.

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

\*3: Not available for a heat pump model.

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

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

\*6: During address display mode.

#### 1 LED lamp

Lights during operation.

#### 2 Louver button

Adjusts the airflow direction.

#### 3 START/STOP button

Starts and stops operation.

#### 4 FAN control button

Switches the fan speed as follows:



#### 5 Room temperature sensor (inside)

Senses ambient temperature of unit.

#### 6 Set temperature button

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

#### 7 Operation mode button\*1

Switches the operation mode as follows:



#### 8 Operating mode indicator

#### 9 Airflow direction indicator

#### 10 FAN speed indicator

#### 11 Remote controller address indicator

#### 12 Status icons

Mode mismatch

Filter sign \*5

Defrost operation

Oil recovery operation

Under maintenance

Error

Special state

Conducting electricity

Emergency stop

Operation controlled

Forced stop

Remote controller sensor is enabled \*5

Central controlled

Setting temperature range is enabled

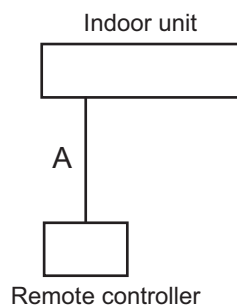
Operation prohibited

#### 13 Set temperature

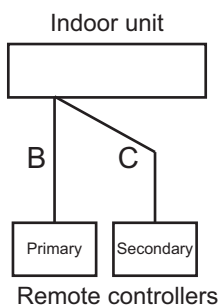
Indicates indoor unit address. \*6

## System diagram

### 1 remote controller:



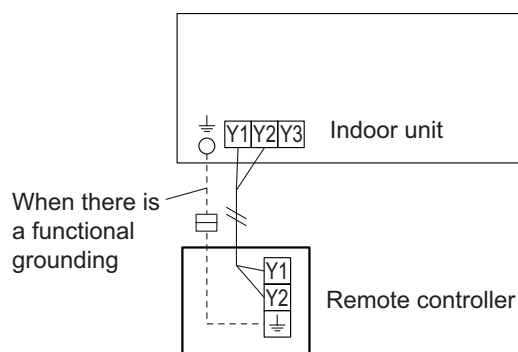
### 2 remote controllers:



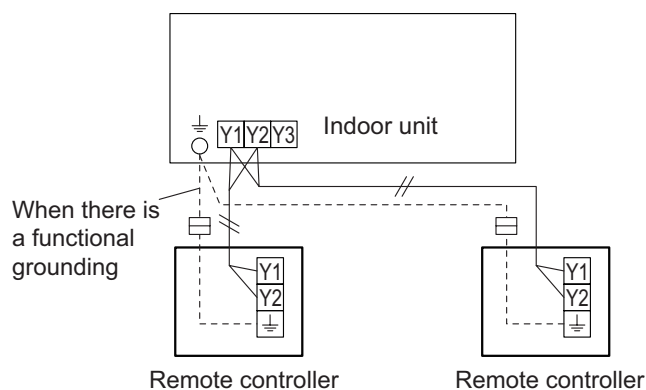
A, B, C: Remote controller cable  
 $A \leq 1,640 \text{ ft (500 m)}$ ;  $B + C \leq 1,640 \text{ ft (500 m)}$

## Electrical wiring

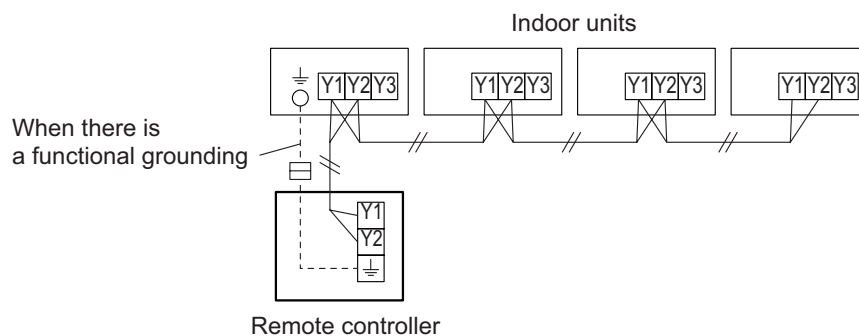
### 1 remote controller:



### 2 remote controllers:



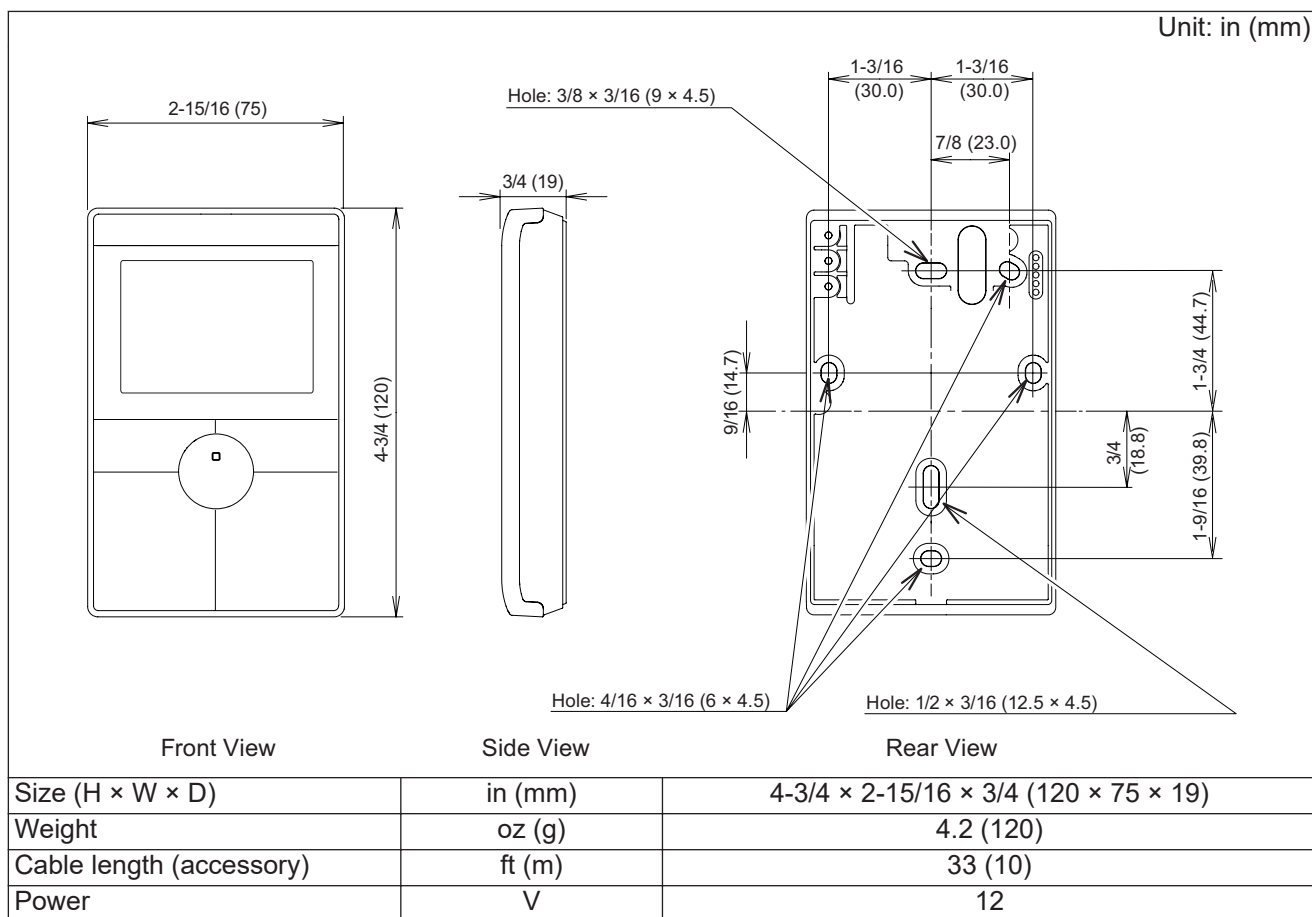
### Group control:



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

## Specifications

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

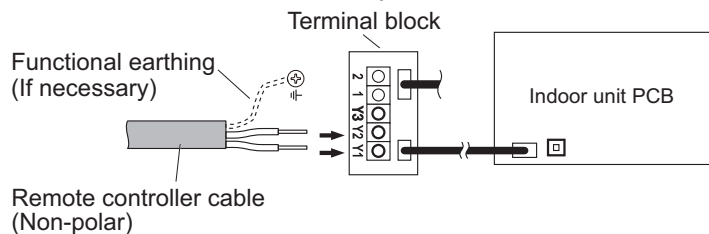


## Wiring specifications

Use	Cable size	Wire type	Remarks
Remote controller cable	22 to 16 AWG (0.33 to 1.25 mm <sup>2</sup> )	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.

## 16. Function settings

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

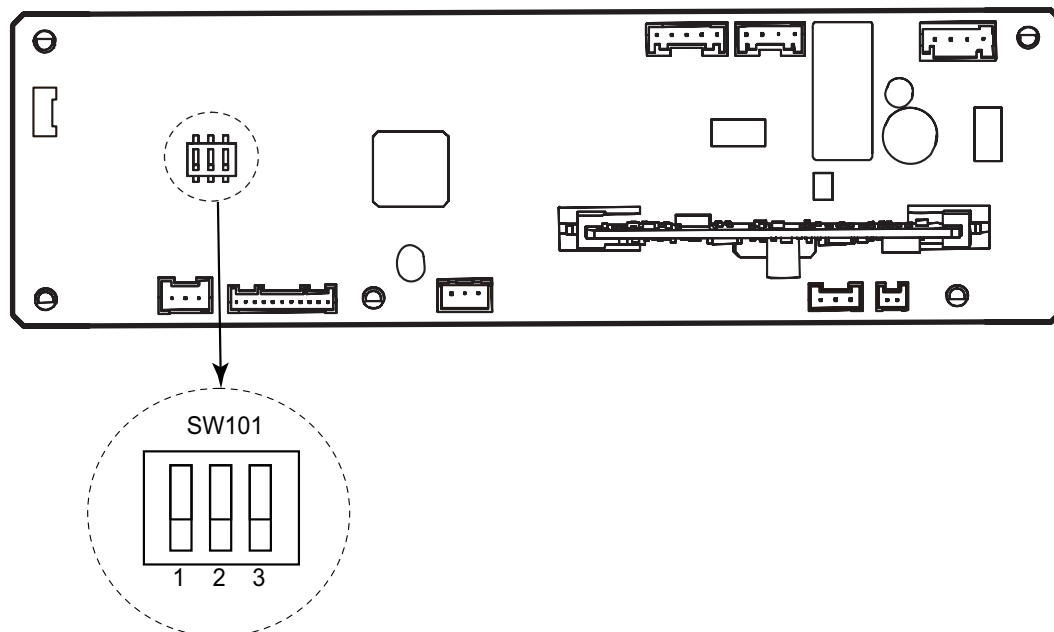
**NOTE:** Incorrect settings can cause a product malfunction.

### 16-1. Compact cassette type indoor unit (setting by DIP switch)

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

#### ■ Component location

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



#### ■ DIP switch setting

- SW101: Setting change prohibited

## 16-2. Slim duct type indoor unit (setting by DIP switch)

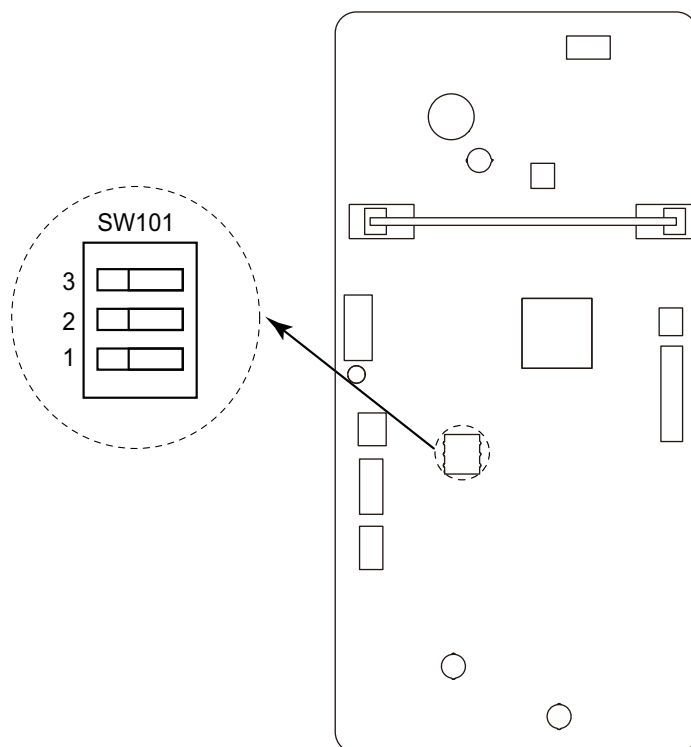
By using some components on the PCB, you can change the function settings.

**Related components on the PCB and the applicable settings:**

Component			Setting content
DIP switch	SW101	1	Drainage function setting
		2	Auto louver grille setting
		3	Fan delay setting

### ■ Component location

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



## ■ DIP switch setting

- **SW101-Switch 1: Drainage function setting**

Switch 1	Drainage function	Factory setting
ON	Disabled	
OFF	Enabled	◆

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

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

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

- **SW101-Switch 3: Fan delay setting**

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

Switch 3	Fan delay	Factory setting
ON	Enabled	
OFF	Disabled	◆

## 16-3. Indoor unit (setting by wireless remote controller)

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

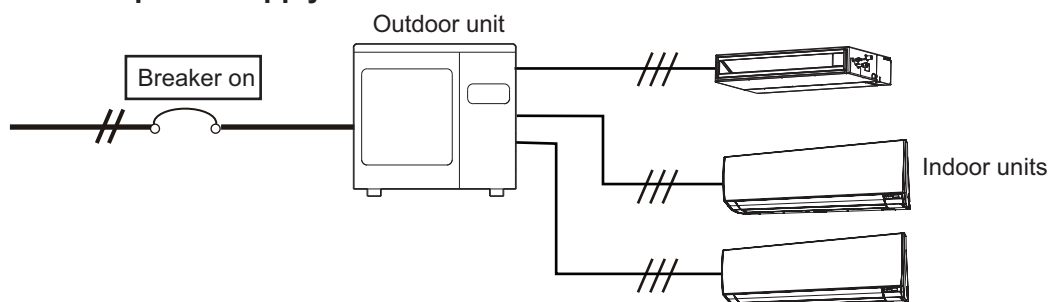
### ■ Setting procedure by AR-REG1U

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

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

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

**Then, connect the power supply of indoor unit.**



#### Entering function setting mode:

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

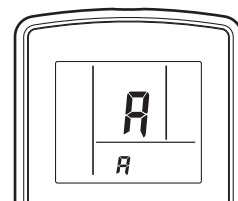
#### STEP 1: Setting the remote controller custom code

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

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

For details on how to set the custom codes through the normal process, refer to ["Custom code setting on AR-REG1U"](#) on page 178.

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

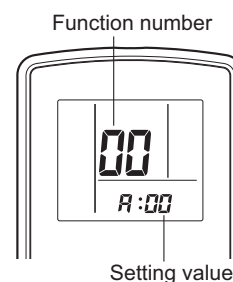


#### NOTES:

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

**STEP 2: Selecting the function number and setting value**

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

**⚠ CAUTION**

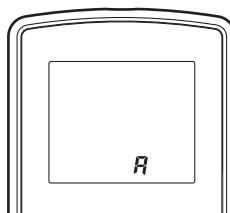
After disconnecting the power supply, wait 30 seconds or more before reconnecting it. The function setting will not become active unless the power supply is disconnected and then reconnected.

**● Custom code setting on AR-REG1U**

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

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

1. Press the START/STOP button until only the clock is displayed on the remote controller display.
2. Press the MODE button for at least 5 seconds to display the current custom code. (Initially set to **A**.)



3. Press the SET TEMP. (▲ or ▼) button to change the custom code between **A** → **b** → **c** → **d**. Match the code on the display to the air conditioner custom code.
4. Press the MODE button again to return to the clock indicator. The custom code will be changed.

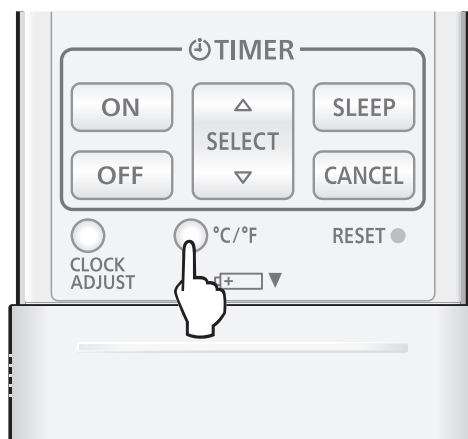
To set custom code **b**, **c**, or **d**, perform same procedures for each code.

**NOTES:**

- If no button is pressed within 30 seconds after the custom code is displayed, the system returns to the original clock indicator. In this case, start again from step 1.
- The air conditioner custom code is set to **A** prior to shipment. To change the custom code, contact your retailer.
- The remote controller resets to custom code **A** when the batteries in the remote controller are replaced. If you use a custom code other than code **A**, reset the appropriate custom code after replacing the batteries. If you do not know the assigned code for the air conditioner, try each of the custom code (**A** → **b** → **c** → **d**) until you find the code which operates the air conditioner.

## ● Remote controller temperature unit

To change the displayed temperature unit, press the °C/°F switching button to select the preferred temperature unit. (Factory setting is “°F”.)



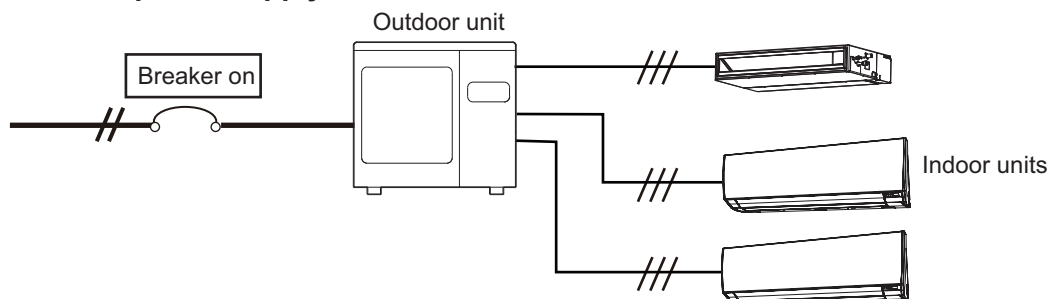
## ■ Setting procedure by AR-RPB1U

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

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

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

**Then, connect the power supply of the indoor unit.**



### Entering function setting mode:

While pressing the FAN SPEED button and TEMP./SELECT (^) button simultaneously, press the RESET button to enter the function setting mode.

### STEP 1: Setting the remote controller custom code

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

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

For details on how to set the custom codes through the normal process, refer to ["Custom code setting on AR-RPB1U"](#) on page 182.

1. Press the TEMP./SELECT (^) (v) buttons to change the custom code between  $\overline{A} \rightarrow \overline{b} \rightarrow \overline{c} \rightarrow \overline{d}$ . Match the code on the display to the air conditioner custom code. (Initially set to  $\overline{A}$ .) If the custom code does not need to be selected, press the MODE button, and proceed to **STEP 2**.
2. Press the MODE button to accept the custom code, and proceed to **STEP 2**.



### NOTES:

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

**STEP 2: Selecting the function number and setting value**

1. Press the TEMP./SELECT (▲) (▼) buttons to select the function number. To switch between the left and right digits, press the MODE button.
2. Press the FAN SPEED button to proceed the setting value. To return the function number selection, press the FAN SPEED button again.
3. Press the TEMP./SELECT (▲) (▼) buttons to select the setting value. To switch between the left and right digits, press the MODE button.
4. Press the TIMER button, and when the indoor unit beeps, press the  $\phi/I$  (START/STOP) button to confirm the settings.
5. Press the RESET button to cancel the function setting mode.
6. After completing the function setting, be sure to disconnect the power supply and then reconnect it.

Function number



Setting value

**⚠ CAUTION**

- After disconnecting the power supply, wait 30 seconds or more before reconnecting it. The function setting will not become active unless the power supply is disconnected and then reconnected.
- When using a custom code other than  $\bar{R}$ , press RESET and then press and hold MODE again for 5 seconds or more to set the custom code.

## ● Custom code setting on AR-RPB1U

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

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

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

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

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



To set custom code  $\overline{B}$ ,  $\overline{C}$ , or  $\overline{D}$ , perform same procedures for each code.

### NOTES:

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

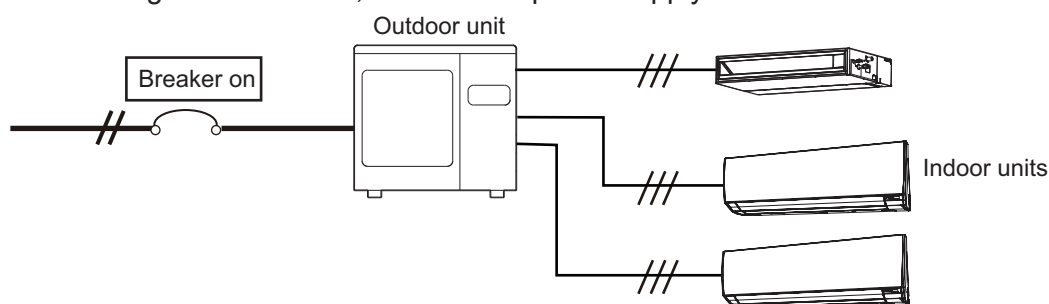
## 16-4. Indoor unit (setting by wired remote controller)

- The function settings of the control of the indoor unit can be changed by this procedure according to the installation conditions. Incorrect settings can cause the indoor unit malfunction.
- After the power is turned on, perform the “Function setting” according to the installation conditions using the remote controller.
- The settings may be selected between the following two: Function number or Setting number.
- Settings will not be changed if invalid numbers or setting numbers are selected.
- This function cannot be used on the secondary units.

### ■ Preparation

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

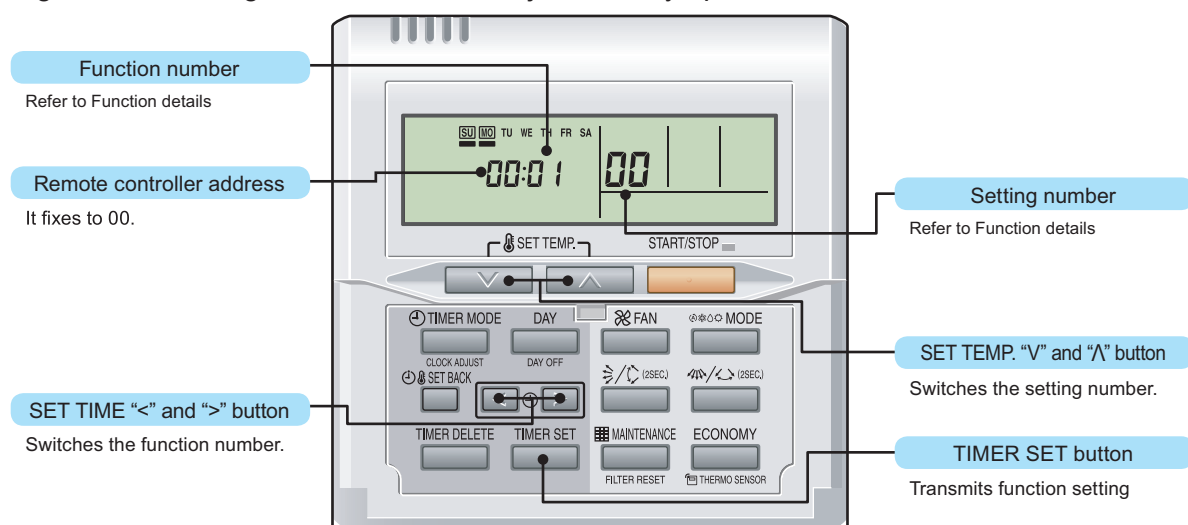
- Piping air tightness test and vacuuming have been performed firmly.
- There is no wiring mistake. Then, connect the power supply of the indoor unit.



## ■ UTY-RNNUM

### ● Button name and function

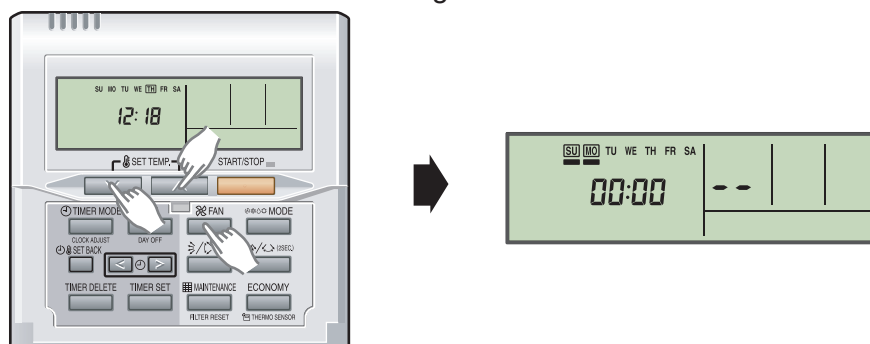
During address setting mode, indoor unit reject the any operation command from remote controller.



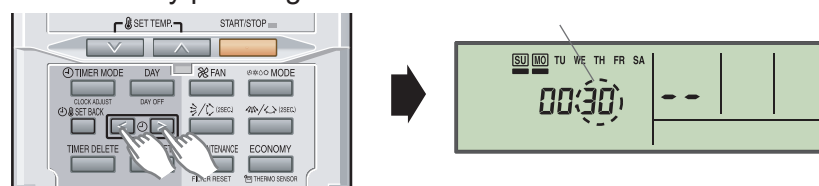
### ● Function setting procedure

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

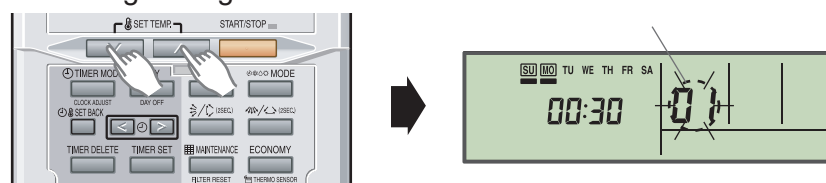
To enter the function setting mode, hold down the 3 buttons of SET TEMP. ∇, SET TEMP. ∧, and FAN at the same time for 5 seconds or longer.



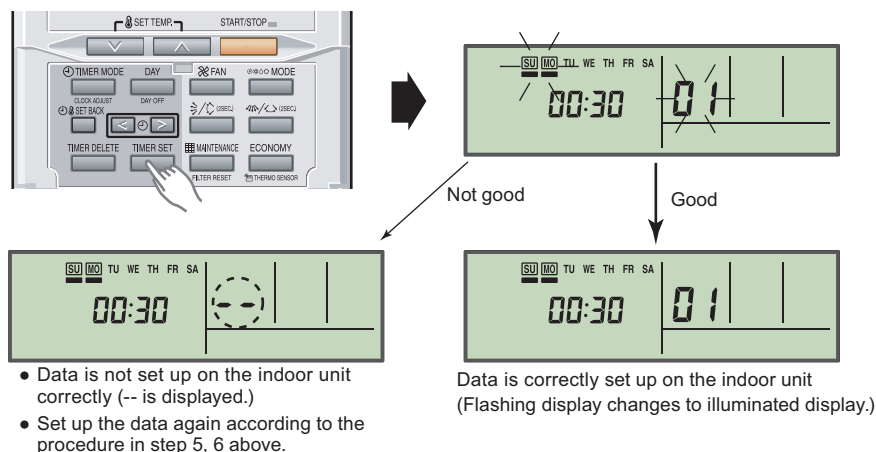
3. Select the function number by pressing the SET TIME < or the SET TIME > button.



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

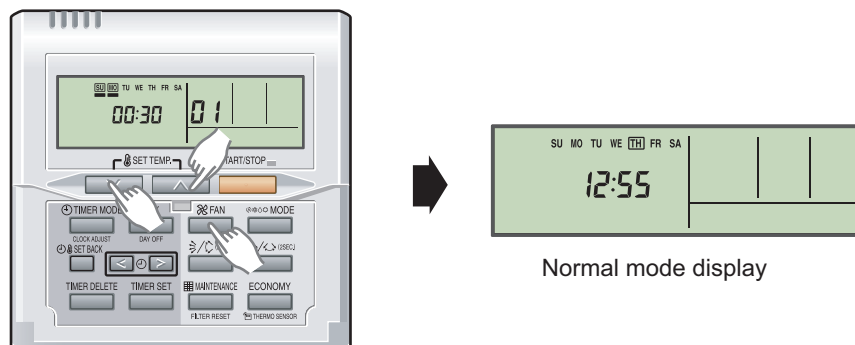


5. Confirm the setting by pressing the **TIMER SET** button.  
The data will be transferred to the indoor unit.



Function details: Refer to Chapter 16-6. ["Function details"](#) on page 196.

6. Exit the function setting mode by holding 3 buttons of **SET TEMP.**  $\nabla$ , **SET TEMP.**  $\blacktriangle$  and **FAN** at the same time.



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

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

## ● Setting up each indoor unit

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

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

### NOTES:

- If the reset is not performed, function cannot be read correctly.
- After all the functions have been set, the circuit breaker needs to be switched off for at least 2 minutes.
  - After the 2 minutes has passed, power can be restored.
  - The set function is stored in the PCB and will remain in memory even when the power of indoor unit is turned off.

However setting function is effective after disconnecting the power supply and then reconnecting it.
- Record the latest configuration of the indoor unit function setting on a label, and put the label on the unit so it can be used for after-sales service operations.

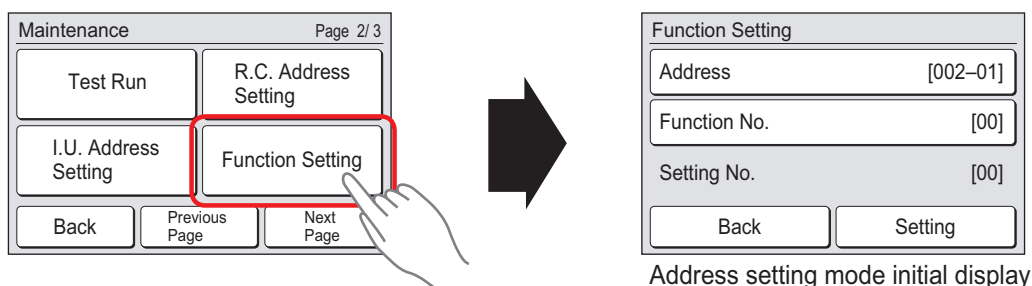
## ■ UTY-RNRUZ\*

### ● Setting procedure by using wired remote controller UTY-RNRUZ\*

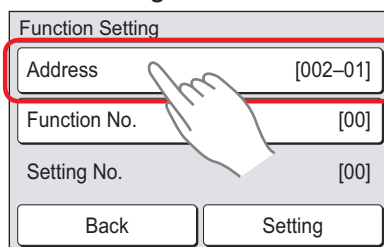
The function number and the associated setting value are displayed on the LCD of the remote controller. Follow the instructions written in the local setup procedure supplied with the remote controller, and select appropriate setting according to the installation environment.

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

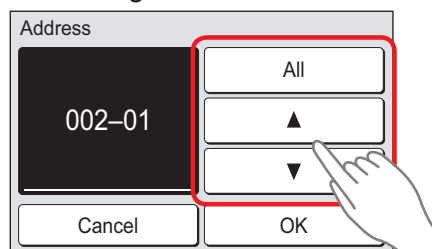
- Piping air tightness test and vacuuming have been performed firmly.
  - There is no wiring mistake.
1. Connect the power supply.
  2. When the "Function Setting" on the "Maintenance" screen is touched, the "Installer Password Verification" screen is displayed. After enter the installer password, and touch the "OK", "Function Setting" screen is displayed.



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

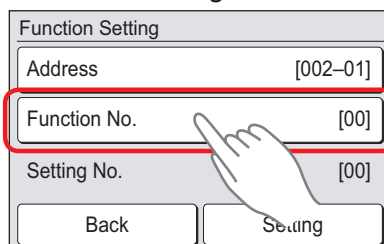


4. "Address" screen is displayed. Select the address of the indoor unit whose function number is be set by touching ▲ or ▼. When setting at all the indoor units, touch "All".

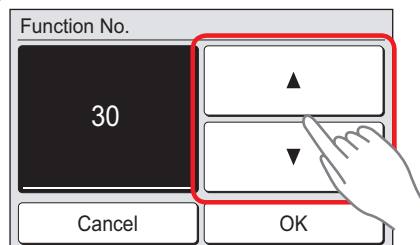


When the "OK" is touched, the display returns to the "Function Setting" screen.

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

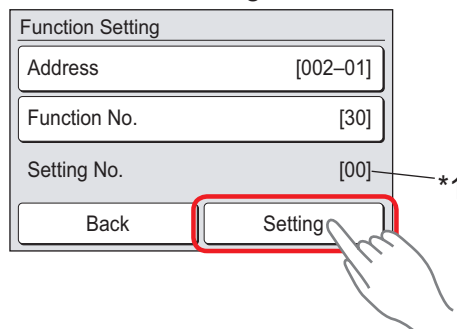


6. "Function No." screen is displayed. Set the "Function No." with ▲ or ▼.



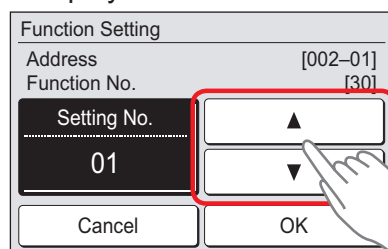
When the "OK" is touched, the display returns to the "Function Setting" screen.

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



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

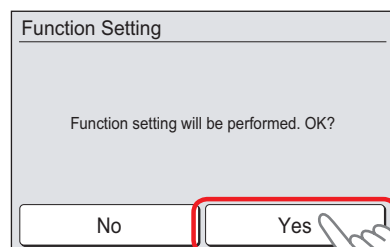
8. Setting screen of "Setting No." is displayed. Set the "Function No." with ▲ or ▼.



Example: Function number: 30, Setting Number: 01

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

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



Function Setting

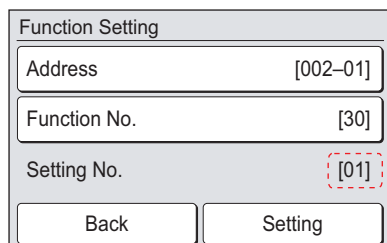
Function setting will be performed. OK?

No Yes

A hand is shown touching the "Yes" button, which is highlighted with a red rectangle.

In case of "OK"

In case of "ERROR"



Function Setting

Address [002-01]

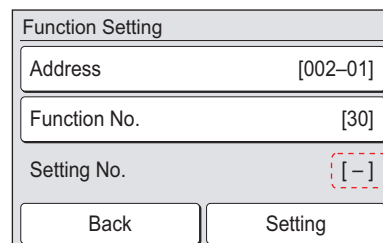
Function No. [30]

Setting No. [01]

Back Setting

The "Setting No." field is highlighted with a red dashed rectangle.

When the data was normally set up on the indoor unit



Function Setting

Address [002-01]

Function No. [30]

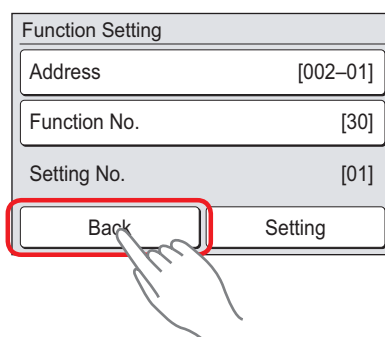
Setting No. [-]

Back Setting

The "Setting No." field is highlighted with a red dashed rectangle.

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

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



Function Setting

Address [002-01]

Function No. [30]

Setting No. [01]

Back Setting

The "Back" button is highlighted with a red rectangle, and a hand is shown touching it.

## ● Setting up each indoor unit

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

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

### NOTES:

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

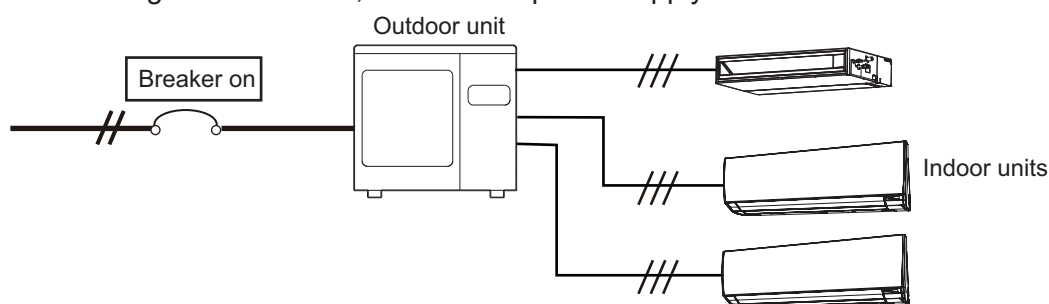
## 16-5. Indoor unit (setting by simple remote controller)

- The function settings of the control of the indoor unit can be changed by this procedure according to the installation conditions. Incorrect settings can cause the indoor unit malfunction.
- After the power is turned on, perform the “Function setting” according to the installation conditions using the remote controller.
- The settings may be selected between the following two: Function number or Setting number.
- Settings will not be changed if invalid numbers or setting numbers are selected.
- This function cannot be used on the secondary units.

### ■ Preparation

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

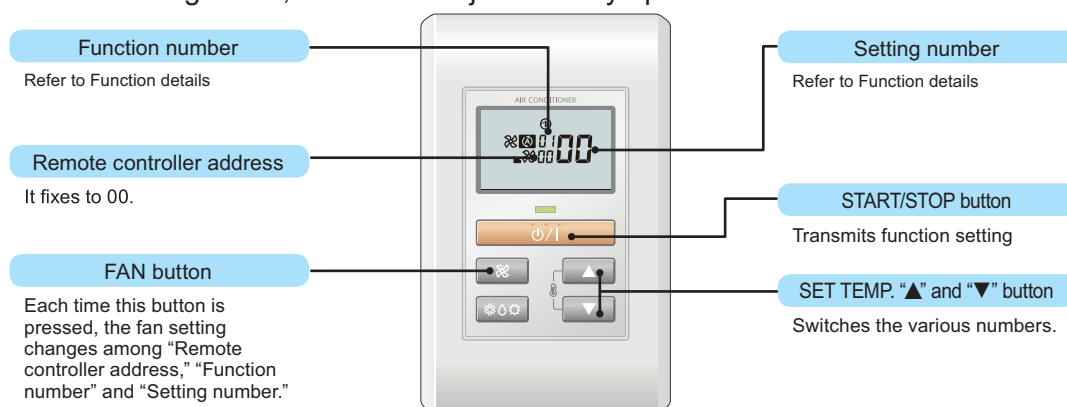
- Piping air tightness test and vacuuming have been performed firmly.
- There is no wiring mistake. Then, connect the power supply of the indoor unit.



## ■ UTY-RSNUM

### ● Button name and function

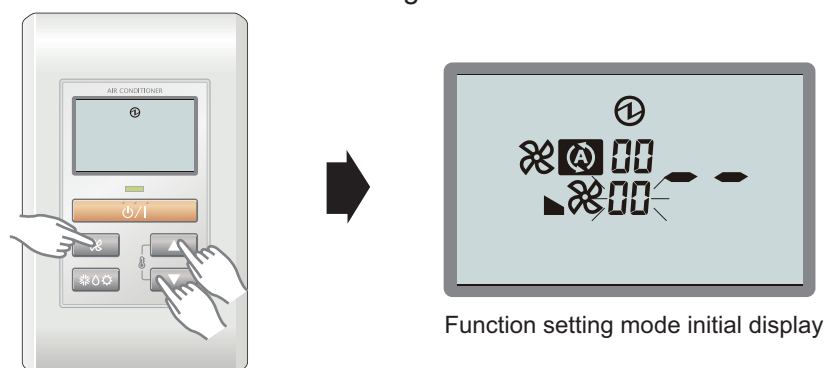
During address setting mode, indoor unit reject the any operation command from remote controller.



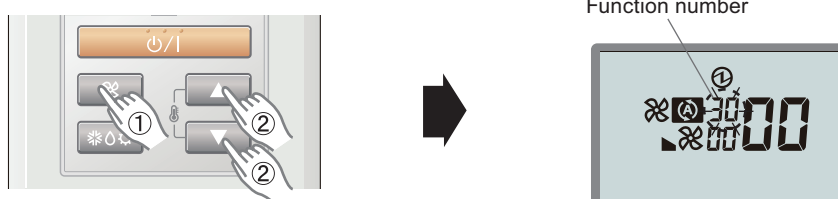
### ● Function setting procedure

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

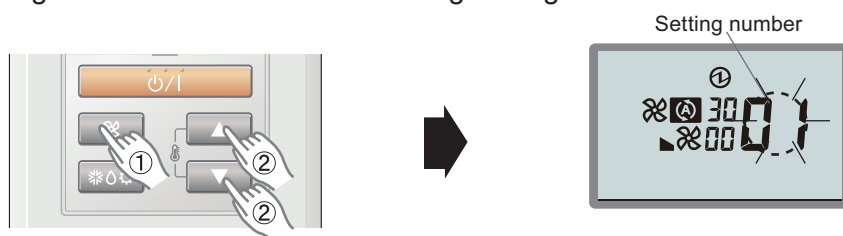
To enter the function setting mode, hold down the 3 buttons of SET TEMP. ▲, SET TEMP. ▼ and FAN at the same time for 5 seconds or longer.



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

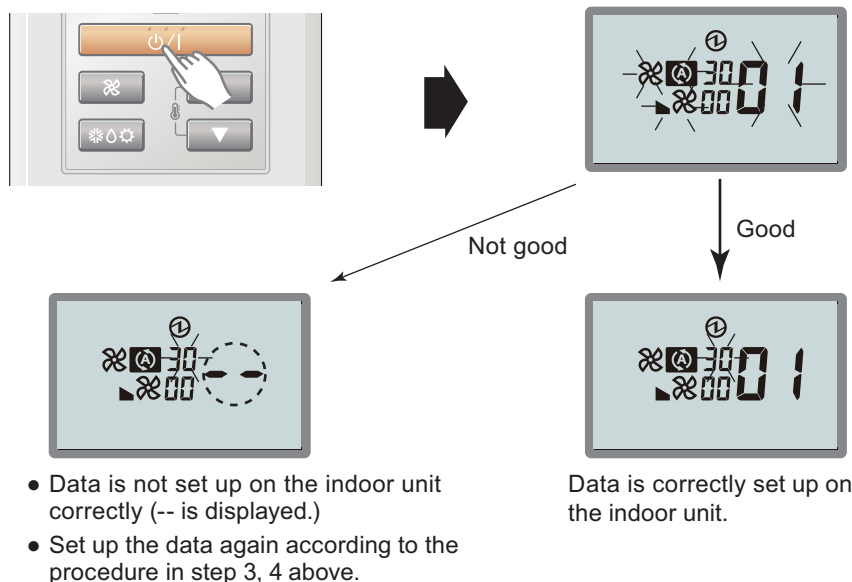


4. Select the setting number by pressing the SET TEMP. ▲ or SET TEMP. ▼ button. The setting number indicator flashes during setting number selection.



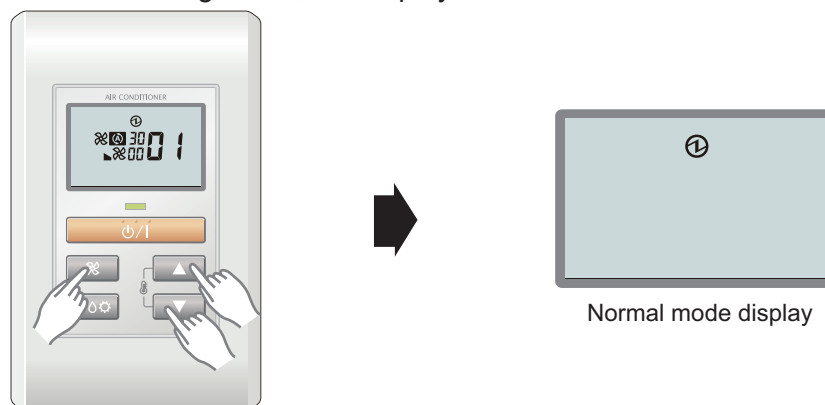
Example) Function number : 30, Setting number : 01

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



Function details: Refer to Chapter 16-6. ["Function details"](#) on page 196.

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



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

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

## ● Setting up each indoor unit

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

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

### NOTES:

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

## ■ UTY-RSRY

### ● Setting procedure by using wired remote controller

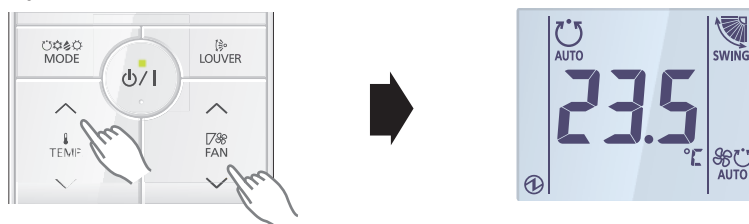
The function number and the associated setting value are displayed on the LCD of the remote controller. Follow the instructions written in the local setup procedure supplied with the remote controller, and select appropriate setting according to the installation environment.

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

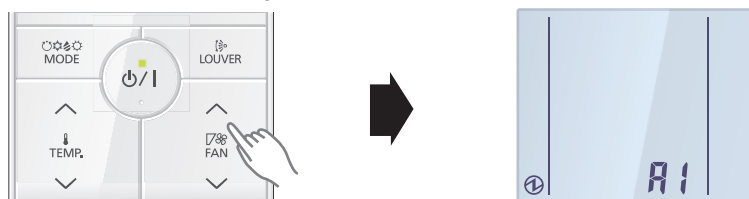
- Piping air tightness test and vacuuming have been performed firmly.
- There is no wiring mistake.

**NOTE:** Set only one Master remote controller.

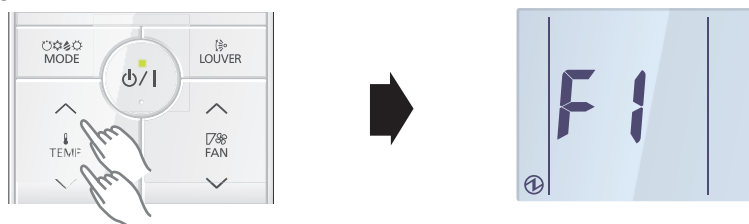
1. Connect the power supply.
2. With "Monitor mode" screen displayed, press and hold the SET TEMP.  $\wedge$  button and FAN  $\vee$  button simultaneously for at least 2 seconds.



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



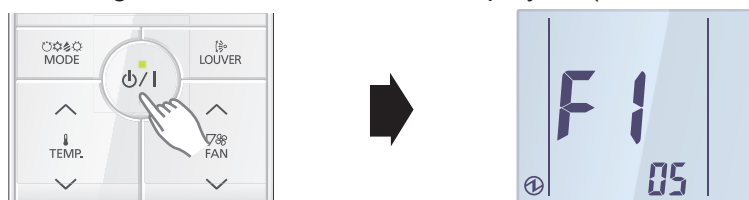
4. Press the SET TEMP.  $\wedge$  or SET TEMP.  $\vee$  button to select F1 (Menu 2-F1) setting mode or F2 (Menu 2-F2) setting mode.



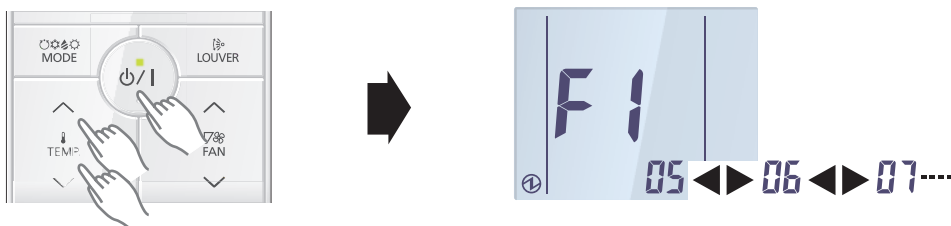
F1: Initial settings mode

F2: Maintenance settings mode

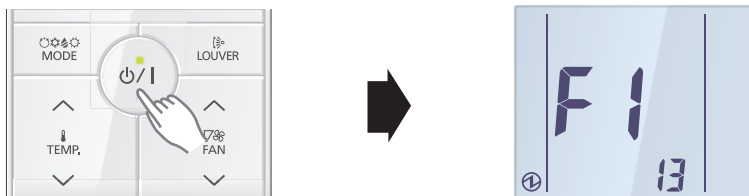
5. Press the  $\phi/I$  button. Setting item selection screen is displayed. (Item No. is displayed.)



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



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

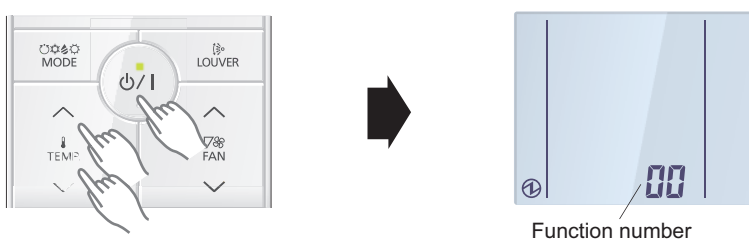


8. Select the 2-wire remote controller address with the SET TEMP.  $\wedge$  or SET TEMP.  $\vee$  button. Then press the  $\phi/I$  button.

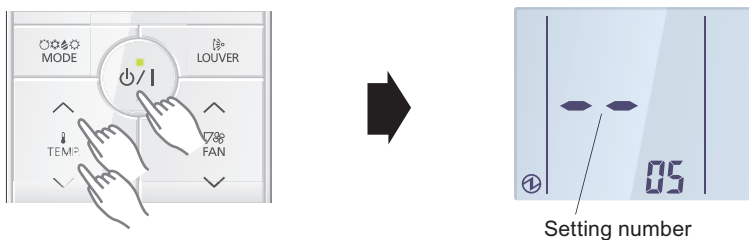


Select the 2-wire remote controller address (Ex. Select the 002-03)

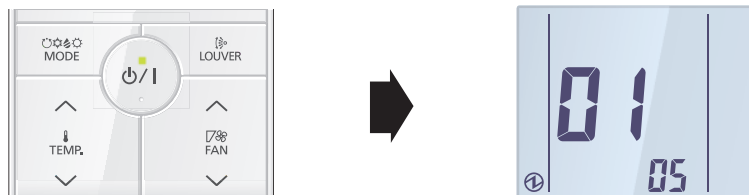
9. Set the function number with the SET TEMP.  $\wedge$  or SET TEMP.  $\vee$  button. Then press the  $\phi/I$  button.



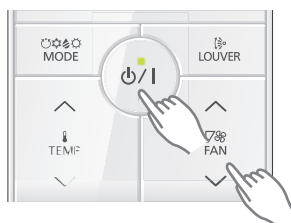
10. Set the setting number with the SET TEMP.  $\wedge$  or SET TEMP.  $\vee$  button. Then press the  $\phi/I$  button.



11. Setting results are displayed after data transmission.



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



## ● Setting up each indoor unit

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

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

### NOTES:

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

## 16-6. Function details

### ■ Contents of function setting

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

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

### ● Function setting list

	Function no.	Functions	Compact cassette	Slim duct	Wall mounted		Floor
					RLF1	LPAS	
1)	11	Filter sign	●	●	●	●	●
2)	20	Ceiling height	●	—	—	—	—
3)	22	Outlet directions	●	—	—	—	—
4)	23	Vertical airflow direction range control	—	—	—	—	●
5)	26	Static pressure	—	●	—	—	—
6)	30/31	Room temperature control for indoor unit sensor	●	●	●	●	●
7)	35/36	Room temperature control for wired remote controller sensor	●	●	—	●	—
8)	40	Auto restart	●	●	●	●	●
9)	42	Room temperature sensor switching	●	●	●	●	●
10)	44	Remote controller custom code	●	●	●	●	●
11)	46	External input control	●	●	●	●	●
12)	48	Room temperature sensor switching (Aux.)	●	●	●	●	●
13)	49	Indoor unit fan control for energy saving for cooling	●	●	●	●	●
14)	60	Switching functions for external output terminal	●	●	—	●	—
15)	61	Control switching of external heaters	●	●	—	●	—
16)	62	Operating temperature switching of external heaters	●	●	—	●	—
17)	66	Outdoor temperature zone boundary temperature A	●	●	—	●	—
18)	67	Outdoor temperature zone boundary temperature B	●	●	—	●	—
19)	71	Standby time for auxiliary equipment operation	●	●	—	●	—
20)	72	Heat pump backup setting	●	●	—	●	—
21)	73	Emergency heat for external output terminal	●	●	—	●	—
22)	74	Fan delay time	—	●	—	—	—
23)	75	External heater use in defrosting	●	●	—	—	—
24)	92/93	Room temperature control for wired remote controller sensor	—	—	●	—	●
25)	95	Heat insulation condition (building insulation)	—	—	●	●	●

### 1) Filter sign

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

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

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

Intervals will differ depending on the indoor unit type as follows.

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

### 2) Ceiling height

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

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

For the specific height for each setting value, refer to "Installation space" in Chapter 3. **"Dimensions"** on page 11.

#### In case of cassette type models:

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

7000, 9000 Btu/h models cannot be installed in high ceilings. Do not change this setting.

### 3) Outlet directions

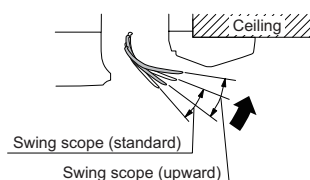
Select the appropriate number of outlet directions according to the installation conditions.

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

### 4) Vertical airflow direction range control

In a concealed installation, change the setting to "Fixed" (02) to restrict the movement of the upper air outlet so that the airflow is only towards the horizontal direction.

Function number	Setting value	Setting description	Factory setting
23	00	Standard	◆
	01	(Setting prohibited)	
	02	Fixed (Concealed)	



## 5) Static pressure

Select the appropriate static pressure according to the installation conditions.

Function number	Setting value	Setting description	Factory setting
26	00	0 in.WG (0 Pa)	
	01	0.04 in.WG (10 Pa)	
	02	0.08 in.WG (20 Pa)	
	03	0.12 in.WG (30 Pa)	
	04	0.16 in.WG (40 Pa)	
	05	0.20 in.WG (50 Pa)	
	06	0.24 in.WG (60 Pa)	
	07	0.28 in.WG (70 Pa)	
	08	0.32 in.WG (80 Pa)	
	09	0.36 in.WG (90 Pa)	
	31	Standard (0.10 in.WG [25 Pa])	◆

**NOTE:** Range of static pressure is different by model.

Model name	Range of static pressure
7-18 type	0 to 0.36 in.WG (0 to 90 Pa)

## 6) Room temperature control for indoor unit sensor

**NOTE:** Before performing this setting, refer to Function 95.

**NOTE:** If the remote sensor unit option is selected, perform this setting.

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

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

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

Example of correction:

When the temperature of the room temp. sensor is 78°F and the setting value is "03" (-2°F), the corrected temp. will be 80°F (78°F - [-2°F]).

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

\*When Function 95-01 (High insulation) is set, the Standard setting "00" will be the same as "No correction 0.0 °F (0.0 °C)" (01).

Function number		Setting value	Setting description	Factory setting
30 (For cooling)	31 (For heating)	00	Standard setting*	◆
		01	No correction 0.0 °F (0.0 °C)	
		02	-1 °F (-0.5 °C)	More cooling Less heating
		03	-2 °F (-1.0 °C)	
		04	-3 °F (-1.5 °C)	
		05	-4 °F (-2.0 °C)	
		06	-5 °F (-2.5 °C)	
		07	-6 °F (-3.0 °C)	
		08	-7 °F (-3.5 °C)	
		09	-8 °F (-4.0 °C)	
		10	+1 °F (+0.5 °C)	Less cooling More heating
		11	+2 °F (+1.0 °C)	
		12	+3 °F (+1.5 °C)	
		13	+4 °F (+2.0 °C)	
		14	+5 °F (+2.5 °C)	
		15	+6 °F (+3.0 °C)	
		16	+7 °F (+3.5 °C)	
		17	+8 °F (+4.0 °C)	

**In following case, select "01":**

- Wall-concealed installation in Slim duct type

## 7) Room temperature control for wired remote controller sensor

**NOTE:** Before performing this setting, refer to Function 95.

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

To change this setting, set Function 42 to "Both" (01).

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

\*When Function 95-01 (High insulation) is set, the Standard setting "00" will be the same as "No correction 0.0 °C" (01).

Function number		Setting value	Setting description	Factory setting
35 (For cooling)	36 (For heating)	00	Standard setting*	◆
		01	No correction 0.0 °F (0.0 °C)	
		02	-1 °F (-0.5 °C)	More cooling Less heating
		03	-2 °F (-1.0 °C)	
		04	-3 °F (-1.5 °C)	
		05	-4 °F (-2.0 °C)	
		06	-5 °F (-2.5 °C)	
		07	-6 °F (-3.0 °C)	
		08	-7 °F (-3.5 °C)	
		09	-8 °F (-4.0 °C)	
		10	+1 °F (+0.5 °C)	Less cooling More heating
		11	+2 °F (+1.0 °C)	
		12	+3 °F (+1.5 °C)	
		13	+4 °F (+2.0 °C)	
		14	+5 °F (+2.5 °C)	
		15	+6 °F (+3.0 °C)	
		16	+7 °F (+3.5 °C)	
		17	+8 °F (+4.0 °C)	

**In following case, select "01":**

- Wall-concealed installation in Slim duct type

## 8) Auto restart

Enables or disables automatic restart after a power interruption.

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

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

## 9) Room temperature sensor switching

(Only for wired remote controller)

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

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

00: Sensor on the indoor unit is active.

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

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

**10) Remote controller custom code**

(Only for wireless remote controller)

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

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

**11) External input control**

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

Function number	Setting value	Setting description	Factory setting
46	00	Operation/Stop mode 1	◆
	01	(Setting prohibited)	
	02	Forced stop mode	
	03	Operation/Stop mode 2	

**NOTE:** If this function is necessary, the rotary switch on the External input and output PCB should be set to 1.

**12) Room temperature sensor switching (Aux.)**

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

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

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

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

\*: For Slim duct only.

**13) Indoor unit fan control for energy saving for cooling**

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

Function number	Setting value	Setting description	Factory setting
49	00	Disable	◆*
	01	Enable	
	02	Remote controller	◆

\*: For RLF1 series wall mounted and floor type indoor unit only.

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

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

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

**NOTES:**

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

**14) Switching functions for external output terminal**

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

- For compact cassette type and LPAS series wall mounted type indoor unit

Function number	Setting value	Setting description	Factory setting
60	00	Operation status	◆
	01—04	Cooling thermostat On	
	05	Heating operation	
	06	Operation/Stop	
	07—08	Cooling thermostat On	
	09	Error status	
	10	Indoor unit fan operation status	
	11	External heater	

- For slim duct type indoor unit

Function number	Setting value	Setting description	Factory setting
60	00	Operation status	◆
	01—04	Cooling thermostat On	
	05	Heating operation	
	06	Operation/Stop	
	07—08	Cooling thermostat On	
	09	Error status	
	10	Fresh air control	
	11	External heater	

**15) Control switching of external heaters**

Sets the control method for external heater to be used.

For details, refer to “External heater output” in Chapter 11-4. ["Details of function"](#) on page 83.

Function number	Setting value	Setting description	Factory setting
61	00	Auxiliary heater control 1	◆
	01	Auxiliary heater control 2	
	02	Heat pump prohibition control	
	03	Auxiliary heater control by outdoor temperature 1	
	04	Auxiliary heater control by outdoor temperature 2	
	05	Auxiliary heater control by outdoor temperature 3	
	06	Auxiliary heat pump control	
	07	Auxiliary heat pump control by outdoor temperature 1	
	08	Auxiliary heat pump control by outdoor temperature 2	
	09	Auxiliary heat pump control by outdoor temperature 3	

## 16) Operating temperature switching of external heaters

Sets the temperature conditions when the external heater is ON.

For details, refer to "External heater output" in Chapter 11-4. ["Details of function"](#) on page 83.

- For compact cassette type and slim duct type indoor unit

Function number	Setting value	Setting description				Factory setting
		Setting value of function 61:				
		00		01 to 09		
		Heater: On	Heater: Off	Heater: On	Heater: Off	
62	00	-5.4 °F (-3 °C)	-1.8 °F (-1 °C)	-0.9 °F (-0.5 °C)	0.9 °F (0.5 °C)	◆
	01	-3.6 °F (-2 °C)	-1.8 °F (-1 °C)	-1.8 °F (-1 °C)	0.9 °F (0.5 °C)	
	02	-3.6 °F (-2 °C)	-1.8 °F (-1 °C)	-3.6 °F (-2 °C)	0.9 °F (0.5 °C)	
	03	-5.4 °F (-3 °C)	-1.8 °F (-1 °C)	-5.4 °F (-3 °C)	0.9 °F (0.5 °C)	
	04	-7.2 °F (-4 °C)	-1.8 °F (-1 °C)	-7.2 °F (-4 °C)	0.9 °F (0.5 °C)	
	05	-9.0 °F (-5 °C)	-1.8 °F (-1 °C)	-9.0 °F (-5 °C)	0.9 °F (0.5 °C)	
	06	-5.4 °F (-3 °C)	-0.9 °F (-0.5 °C)	-0.9 °F (-0.5 °C)	0 °F (0 °C)	
	07	-3.6 °F (-2 °C)	-0.9 °F (-0.5 °C)	-1.8 °F (-1 °C)	0 °F (0 °C)	
	08	-3.6 °F (-2 °C)	-0.9 °F (-0.5 °C)	-3.6 °F (-2 °C)	0 °F (0 °C)	
	09	-5.4 °F (-3 °C)	-0.9 °F (-0.5 °C)	-5.4 °F (-3 °C)	0 °F (0 °C)	
	10	-7.2 °F (-4 °C)	-0.9 °F (-0.5 °C)	-7.2 °F (-4 °C)	0 °F (0 °C)	
	11	-9.0 °F (-5 °C)	-0.9 °F (-0.5 °C)	-9.0 °F (-5 °C)	0 °F (0 °C)	
	12	-5.4 °F (-3 °C)	0 °F (0 °C)	-0.9 °F (-0.5 °C)	-0.9 °F (-0.5 °C)	
	13	-3.6 °F (-2 °C)	0 °F (0 °C)	-1.8 °F (-1 °C)	-0.9 °F (-0.5 °C)	
	14	-3.6 °F (-2 °C)	0 °F (0 °C)	-3.6 °F (-2 °C)	-0.9 °F (-0.5 °C)	
	15	-5.4 °F (-3 °C)	0 °F (0 °C)	-5.4 °F (-3 °C)	-0.9 °F (-0.5 °C)	
	16	-7.2 °F (-4 °C)	0 °F (0 °C)	-7.2 °F (-4 °C)	-0.9 °F (-0.5 °C)	
	17	-9.0 °F (-5 °C)	0 °F (0 °C)	-9.0 °F (-5 °C)	-0.9 °F (-0.5 °C)	

- For LPAS series wall mounted type indoor unit

Function number	Setting value	Setting description		Factory setting
		Heater: On	Heater: Off	
62	00	-5.4 °F (-3 °C)	-1.8 °F (-1 °C)	◆
	01	-3.6 °F (-2 °C)	-1.8 °F (-1 °C)	
	02	-3.6 °F (-2 °C)	-1.8 °F (-1 °C)	
	03	-5.4 °F (-3 °C)	-1.8 °F (-1 °C)	
	04	-7.2 °F (-4 °C)	-1.8 °F (-1 °C)	
	05	-9.0 °F (-5 °C)	-1.8 °F (-1 °C)	

## 17) Outdoor temperature zone boundary temperature A

Setting required if changing of the outdoor temperature setting for heat pump prohibition zone is required when auxiliary heater control by outdoor temperature 1 and 2 are performed on the indoor unit. For details, refer to "External heater output" in Chapter 11-4. ["Details of function"](#) on page 83.

Function number	Setting value	Setting description	Factory setting
66	00	-4.0 °F (-20 °C)	◆
	01	-0.4 °F (-18 °C)	
	02	3.2 °F (-16 °C)	
	03	6.8 °F (-14 °C)	
	04	10.4 °F (-12 °C)	
	05	14.0 °F (-10 °C)	
	06	17.6 °F (-8 °C)	
	07	21.2 °F (-6 °C)	
	08	24.8 °F (-4 °C)	

**18) Outdoor temperature zone boundary temperature B**

Setting required if changing of the outdoor temperature setting for heat pump only zone is required when auxiliary heater control by outdoor temperature 1 is performed on the indoor unit. For details, refer to "External heater output" in Chapter 11-4. ["Details of function"](#) on page 83.

Function number	Setting value	Setting description	Factory setting
67	00	42.8 °F (6 °C)	◆
	01	14.0 °F (-10 °C)	
	02	17.6 °F (-8 °C)	
	03	21.2 °F (-6 °C)	
	04	24.8 °F (-4 °C)	
	05	28.4 °F (-2 °C)	
	06	32.0 °F (0 °C)	
	07	35.6 °F (2 °C)	
	08	39.2 °F (4 °C)	
	09	42.8 °F (6 °C)	
	10	46.4 °F (8 °C)	
	11	50.0 °F (10 °C)	
	12	53.6 °F (12 °C)	
	13	57.2 °F (14 °C)	
	14	60.8 °F (16 °C)	
	15	64.4 °F (18 °C)	

**19) Standby time for auxiliary equipment operation**

Sets the standby time until the auxiliary equipment operation starts during primary equipment operation.

For details, refer to Chapter 11-4. ["Details of function"](#) on page 83.

Function number	Setting value	Setting description	Factory setting
71	00	Disable	◆
	01	1 minute	
	02	2 minutes	
	•	•	
	•	•	
	•	•	
	98	98 minutes	
	99	99 minutes	
	99	99 minutes	

**20) Heat pump backup setting**

Enables or disables the heat pump backup instruction from the outdoor unit.

This function will be usable provided that the corresponding outdoor unit is connected.

Function number	Setting value	Setting description	Factory setting
72	00	Disable	◆
	01	Enable	

**21) Emergency heat for external output terminal**

Enables or disables emergency heat input.

Function number	Setting value	Setting description	Factory setting
73	00	Disable	◆
	01	Enable	

**NOTE:** When this function is used, IR Receiver Unit is necessary.

**22) Fan delay time**

Sets the fan delay time when the heater is turned off.

Function number	Setting value	Setting description	Factory setting
74	00	1 minute	◆
	01	50 seconds	
	02	40 seconds	
	03	30 seconds	

**23) External heater use in defrosting**

Enables or disables external heater use in defrosting.

**NOTE:** Inappropriate heater selection may cause cold air in defrosting.

Function number	Setting value	Setting description	Factory setting
75	00	Disable	◆
	01	Enable	

**24) Room temperature control for wired remote controller sensor**

**NOTE:** Before performing this setting, refer to Function 95.

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

To change this setting, set Function 42 to "Both" (01).

Ensure that the thermo sensor icon is displayed on the remote controller screen.

Function number		Setting value	Setting description	Factory setting
92 (For cooling)	93 (For heating)	00	No correction 0.0 °F (0.0 °C)	◆
		01	No correction 0.0 °F (0.0 °C)	
		02	-1 °F (-0.5 °C)	More cooling Less heating
		03	-2 °F (-1.0 °C)	
		04	-3 °F (-1.5 °C)	
		05	-4 °F (-2.0 °C)	
		06	-5 °F (-2.5 °C)	
		07	-6 °F (-3.0 °C)	
		08	-7 °F (-3.5 °C)	
		09	-8 °F (-4.0 °C)	
		10	+1 °F (+0.5 °C)	Less cooling More heating
		11	+2 °F (+1.0 °C)	
		12	+3 °F (+1.5 °C)	
		13	+4 °F (+2.0 °C)	
		14	+5 °F (+2.5 °C)	
		15	+6 °F (+3.0 °C)	
		16	+7 °F (+3.5 °C)	
		17	+8 °F (+4.0 °C)	

**25) Heat insulation condition (building insulation)**

Heat insulation conditions differ according to the installed environment.

"Standard insulation" (00) allows system to rapidly respond to the cooling or heating load changes.

"High insulation" (01) is when the heat insulation structure of the building is high and does not require system to rapidly respond to cooling or heating load changes.

When "High insulation" (01) is selected:

- Overheating (overcooling) is prevented at the start-up.
- All room-temperature control settings (Function 30, 31, 92, and 93) will reset to "No correction 0.0 °F (0.0 °C)".
- All room-temperature control settings (Function 30, 31, 35, and 36) will reset to "No correction 0.0 °F (0.0 °C)".

Function number	Setting value	Setting description	Factory setting
95	00	Standard insulation	◆
	01	High insulation	

**NOTE:** When changing Function 95, perform this setting before other room-temperature control settings (Function 30, 31, 92, and 93). If Function 95 is not set first, room-temperature control settings (Function 30, 31, 92, and 93) will be reset and you must re-do them again.

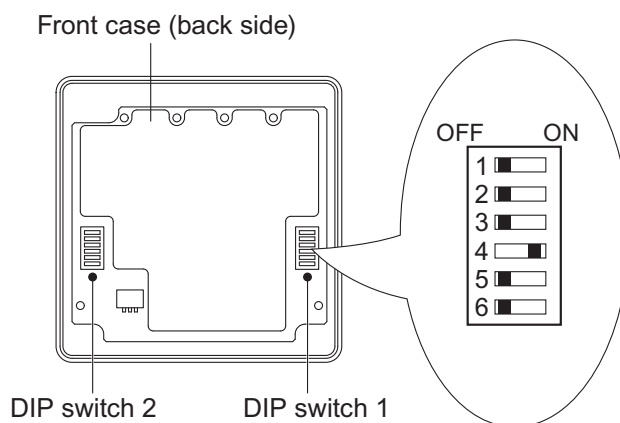
**NOTE:** When changing Function 95, perform this setting before other room-temperature control settings (Function 30, 31, 35, and 36). If Function 95 is not set first, room-temperature control settings (Function 30, 31, 35, and 36) will be reset and you must re-do them again.

## 16-7. Wired remote controller (UTY-RNNUM)

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

\* Do not use DIP switch 2.

### Switch location

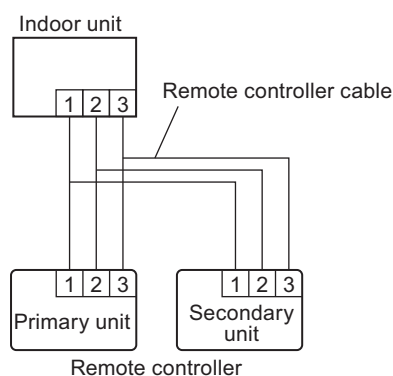


### DIP switch 1 setting

#### ● SW2: Dual remote controller setting

Set the remote controller SW2 according to the following table.

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



#### ● SW4: Switching temperature unit °F / °C

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

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

## ● SW6: Memory backup setting

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

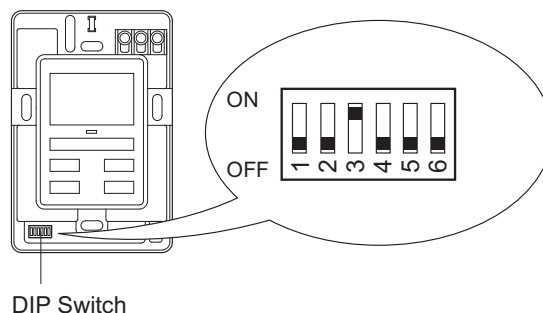
When batteries are not used, all of settings stored in memory will be deleted if there is a power failure.

SW6	Memory backup	Factory setting
OFF	Disable	◆
ON	Enable	

## 16-8. Simple remote controller (UTY-RSNUM)

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

### Switch location

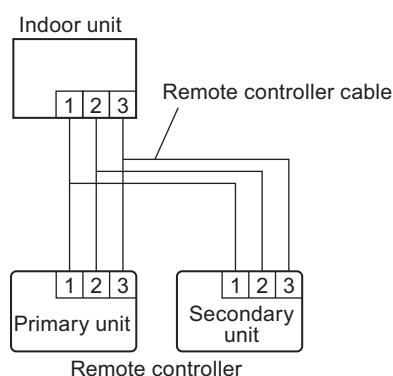


### DIP switch setting

#### ● SW2: Dual remote controller setting

Set the remote controller SW2 according to the following table.

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



#### ● SW3: Switching temperature unit °F / °C


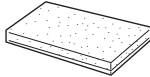


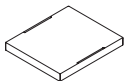
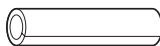

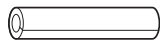


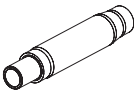
Displayed temperature unit can be switched between Fahrenheit (°F) and Celsius (°C).

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

## 17. Accessories





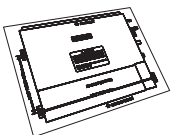
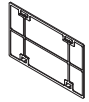


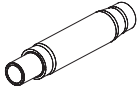
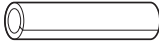

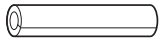

### 17-1. Compact cassette type

■ Models: ACUH07LUAS1, ACUH09LUAS1, ACUH12LUAS1, and ACUH18LUAS1

Part name	Exterior	Q'ty	Part name	Exterior	Q'ty
Operating manual		1	Drain hose insulation		1
Installation manual		1	Hose band		1
Template (Carton top)		1	Coupler heat insulation (large)		1
Special nut A (large flange)		4	Coupler heat insulation (small)		1
Special nut B (small flange)		4	Cable tie (for electrical wiring)		2
Drain hose		1			


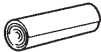

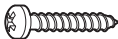
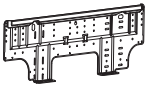


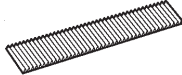

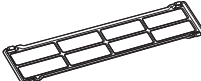


## 17-2. Slim duct type

### ■ Models: ADUH07LUAS1, ADUH09LUAS1, ADUH12LUAS1 and ADUH18LUAS1


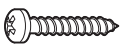


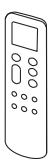
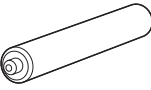

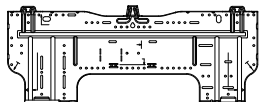
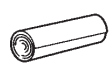
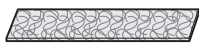



Part name	Exterior	Q'ty	Part name	Exterior	Q'ty
Operating manual		1	Cable tie (large)		4
Installation manual		1	Cable tie (medium)		3
Installation template		1	Filter (small) (Other than 18 model)		2
Washer		8	Filter (large) (For 18 model)		2
Drain hose		1	Coupler heat insulation (large)		1
Hose band		1	Coupler heat insulation (small)		1
Drain hose insulation B		1			

## 17-3. Wall mounted type

### ■ Models: ASU7RLF1, ASU9RLF1, ASU12RLF1, and ASU15RLF1





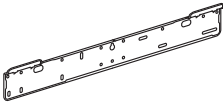




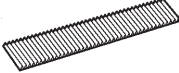
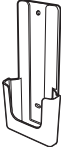
Part name	Exterior	Q'ty	Part name	Exterior	Q'ty
Operating manual		1	Cloth tape		1
Installation manual		1	Tapping screw (large)		5
Wall hook bracket		1	Tapping screw (small)		2
Remote controller		1	Air cleaning filter		2
Battery		2	Filter holder		2
Remote controller holder		1	Seal A • It is necessary when using 15 model. • It is used when the diameter of gas pipe is Ø1/2 in (12.70 mm) or more.		1

## ■ Models: ASUH07LPAS, ASUH09LPAS, ASUH12LPAS, ASUH15LPAS and ASUH18LPAS

Part name	Exterior	Q'ty	Part name	Exterior	Q'ty
Operating manual		1	Tapping screw (large)		5
Installation manual		1	Tapping screw (small)		2
Remote controller		1	Battery		2
Remote controller holder		1	Wall hook bracket		1
Cloth tape		1	Ion deodorization filter		1
Filter holder		2	Apple-catechin filter		1
Seal A <ul style="list-style-type: none"> <li>It is necessary when using 15 model.</li> <li>It is used when the diameter of gas pipe is Ø1/2 in (12.70 mm) or more.</li> </ul>		1			

## 17-4. Floor type

### ■ Models: AGU9RLF, AGU12RLF, and AGU15RLF

Part name	Exterior	Q'ty	Part name	Exterior	Q'ty
Operating manual		1	Cable tie		1
Installation manual		1	Cloth tape		1
Wall hook bracket		1	Tapping screw (large)		9
Remote controller		1	Tapping screw (small)		2
Battery		2	Air cleaning filter		2
Remote controller holder		1			

## 18. Optional parts

### 18-1. Controllers

#### ■ Lineup

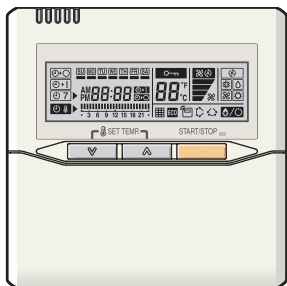

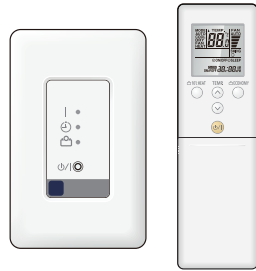




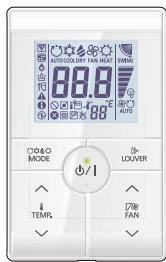
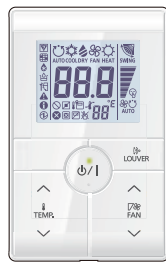
Indoor unit type		Type				
		Wired remote controller		Wireless remote controller		
		UTY-RNNUM	UTY-RNRUZ*	UTY-LNTU	AR-REG1U	AR-RPB1U
Compact cassette		—	○	○	—	—
Slim duct		—	○	—	—	—
Wall mounted	ASU7RLF1 ASU9RLF1 ASU12RLF1 ASU15RLF1	○*1	—	—	●	—
	ASUH07LPAS ASUH09LPAS ASUH12LPAS ASUH15LPAS ASUH18LPAS	—	○	—	—	●
Floor		○	—	—	●	—

Indoor unit type		Type			
		IR receiver unit	Simple remote controller		
		UTY-LBTUM	UTY-RSNUM	UTY-RSRY	UTY-RHRY
Compact cassette		—	—	○	○
Slim duct		○	—	○	○
Wall mounted	ASU7RLF1 ASU9RLF1 ASU12RLF1 ASU15RLF1	—	○*1	—	—
	ASUH07LPAS ASUH09LPAS ASUH12LPAS ASUH15LPAS ASUH18LPAS	—	—	○	○
Floor		—	○	—	—

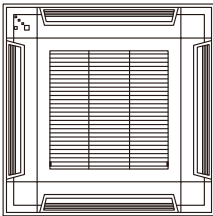
●: Accessory, ○: Optional, —: Not applicable

- \*1: Optional Communication kit (UTY-XCBXZ2) is necessary for the installation.

## Parts

Wired remote controller		IR receiver kit with Wireless remote controller
		
UTY-RNNUM	UTY-RNRUZ*	UTY-LBTUM
Wireless remote controller		
		
UTY-LNTU	AR-REG1U	AR-RPB1U
Simple remote controller		
		
UTY-RSNUM	UTY-RSRY	UTY-RHRY

## 18-2. Cassette grille

Exterior	Part name	Model name	Summary
	Cassette Grille	UTG-CCGFGA	This cassette grille can be installed appropriately on the grid type ceiling common in the office.

## 18-3. Others

### Lineup

Indoor unit type		Type					
		WLAN Adapter		External Switch Controller	KNX Convertor	Modbus Converter	Communication Kit
		UTY-TFSXZ2	UTY-TFSXF1	UTY-TERX	UTY-VKSX	UTY-VMSX	UTY-XCBXZ2
Compact cassette		○	—	○	○	○	—
Slim duct		○	—	○	○	○	—
Wall mounted	ASU7RLF1	—	—	—	—	—	○
	ASU9RLF1						
	ASU12RLF1						
	ASU15RLF1						
	ASUH07LPAS	—	○	○	○	○	—
	ASUH09LPAS						
	ASUH12LPAS						
	ASUH15LPAS						
	ASUH18LPAS						
Floor		—	—	—	—	—	—




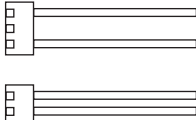
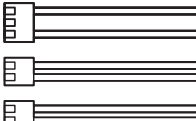
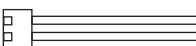

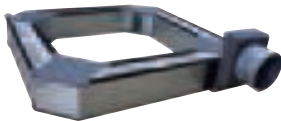
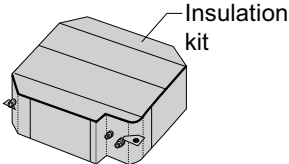
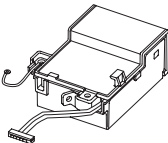
Indoor unit type		Type					
		External Connect Kit			External Input and Output PCB/Box		Remote Sensor Unit
		UTY-XWZX	UTY-XWZXZ5	UTY-XWZXZG	UTY-XCSX + UTZ-GXEA	UTY-XCSXZ2 + UTY-XWZXZ5	UTY-XSZX
Compact cassette		—	—	○	○	—	—
Slim duct		—	—	○	○	—	○
Wall mounted	ASU7RLF1	—	○*1	—	—	—	—
	ASU9RLF1						
	ASU12RLF1						
	ASU15RLF1						
	ASUH07LPAS	○	—	—	—	○	—
	ASUH09LPAS						
	ASUH12LPAS						
	ASUH15LPAS						
	ASUH18LPAS						
Floor		—	○	—	—	—	—

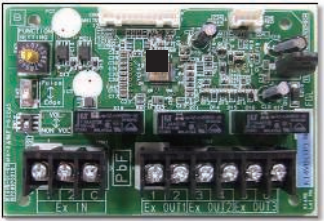

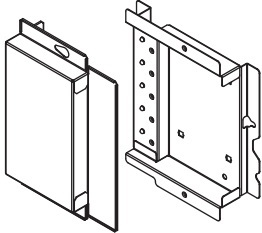





Indoor unit type		Type				
		Auto Louver Grille Kit		Air Outlet Shutter Plate	Insulation Kit for High Humidity	Fresh Air Intake Kit
		UTD-GXTA- W	UTD-GXTB- W	UTR-YDZB	UTZ-KXGC	UTZ-VXAA
Compact cassette		—	—	○	○	○
Slim duct	ADUH07LUAS1					
	ADUH09LUAS1	○		—	—	—
	ADUH12LUAS1					
	ADUH18LUAS1		○			
Wall mounted	ASU7RLF1					
	ASU9RLF1	—	—	—	—	—
	ASU12RLF1					
	ASU15RLF1					
	ASUH07LPAS					
	ASUH09LPAS	—	—	—	—	—
	ASUH12LPAS					
	ASUH15LPAS					
	ASUH18LPAS					
Floor		—	—	—	—	—

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

- \*1: Optional Communication kit (UTY-XCBXZ2) is necessary for the installation.

## Parts

Exterior	Part name	Model name	Summary
	Remote Sensor Unit	UTY-XSZX	Thermo-sensor for sensing the temperature of arbitrary place in the room.
	Auto Louver Grille Kit	UTD-GXTA-W	Width: 26-7/8 in (683 mm) For 07, 09, and 12 models
	Auto Louver Grille Kit	UTD-GXTB-W	Width: 34-3/4 in (883 mm) For 18 model
	External Connect Kit	UTY-XWZX	Use to connect with various peripheral devices and air conditioner PCB.
	External Connect Kit	UTY-XWZXZ5	Required when external device is connected.
	External Connect Kit	UTY-XWZXZG	Use to connect with various peripheral devices and air conditioner PCB. For control output port.
	Air Outlet Shutter Plate	UTR-YDZB	Installed at the air outlet when 3-directions mode is performed.
	Fresh Air Intake Kit	UTZ-VXAA	By attaching Fresh Air Intake Kit to the indoor unit, it can be taken in fresh air of up to 10% of "high" air volume of the indoor unit. Do not branch the connecting duct into multiple rooms.
	Insulation Kit for High Humidity	UTZ-KXGC	Install when the under-roof condition is expected to be the humidity of over 80% and the temperature of over 86 °F(30 °C).
	Communication Kit	UTY-XCBXZ2	Use to connect with optional devices and air conditioner PCB.

Exterior	Part name	Model name	Summary
	External Input and Output PCB	UTY-XCSX	Use to connect with external devices and air conditioner PCB.
	External Input and Output PCB	UTY-XCSXZ2	Use to connect with external devices and air conditioner PCB.
	External Input and Output PCB Box	UTZ-GXEA	For installing the External input and output PCB.
	WLAN Adapter	UTY-TFSXZ2	Remotely manage an air conditioning system using mobile devices such as smartphones and tablets. For connection indoor unit with UART interface. Appropriate application for each region is required to use this option. For details, contact FGL sales company.
	WLAN Adapter	UTY-TFSXF1	Remotely manage an air conditioning system using mobile devices such as smartphones and tablets. Appropriate application for each region is required to use this option. For details, contact FGL sales company.
	Modbus Converter	UTY-VMSX	For connection between indoor unit with UART interface and a Modbus open network.
	KNX Converter	UTY-VKSX	For connection between indoor unit with UART interface and a KNX open network.
	External Switch Controller	UTY-TERX	Air conditioner switching can be controlled by connecting other external sensor switches.

**NOTE:** Combined use of following optional parts and WLAN Adapter (UTY-TFSXZ2) is not allowed.

- External Input and Output PCB (UTY-XCSX)
- External Input and Output PCB (UTY-XCSXZ2)
- Modbus Converter
- KNX Converter
- External Switch Controller

## 19. Indoor unit installation precautions

**NOTE:** The information listed below are general precautions.  
Some models also include items that do not apply.

### 19-1. Places where prohibited for use

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

### 19-2. Points to remember when installing

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

Condition	Contents	Countermeasures (Reference)
When the ceiling is high.	If the indoor unit is installed where the installation height given in the installation manual is exceeded, the temperature difference between the floor and ceiling of the room will be large and the heating effect will be poor. Moreover, even if the indoor unit is installed within the installation height, a similar phenomena will occur when installed in a room in which the doors are opened and closed frequently and hot air circulation is obstructed by furniture such as desks or chairs.	1. Switch the setting to the high ceiling mode. 2. Install a circulator. 3. Arrange the furniture in the room so that it does not obstruct the hot air.
When lower level directly contacts the outside air.	When the lower level of the room is a semi-open space such as warehouse or parking lot the surface temperature of the flooring will become low and the radiation of cold from the floor will increase. In this case, even if the room temperature is suitable, you may feel the foot level is cold.	
When the airflow distribution is poor.	When an indoor unit is installed in a position where the outlet airflow will directly contact people, a draft may be felt. In addition, when there are obstructions in the path of the intake and outlet airflow, the air distribution may become extremely bad.	1. Adjust the louver fins or take other measures matched to the site. 2. Change the indoor unit outlet.

Condition	Contents	Countermeasures (Reference)
When inside the ceiling is high temperature and high humidity.	When the indoor unit is installed where the inside of the ceiling is 86 °F (30 °C) RH80% or greater, the dew point temperature of the outer perimeter may become higher than the cabinet surface temperature and moisture will condense on the surface of the cabinet and water drops may fall inside the room. (" <b>Figure 19-1 Moist air curve</b> ") In addition, the humidity may vary considerably the same as when the inside of the ceiling is close to hermetically sealed and used as the outside air intake path.	<ol style="list-style-type: none"> <li>1. Add heat insulating material to the outside of the indoor unit cabinet. *Regarding the cassette type, use of optional High humidity correspondence kit is recommended.</li> <li>2. Strengthen the heat insulating material of the refrigerant pipe and drain piping too. ("<b>Figure 19-2 Work method when reinforcing the heat insulation of on-site piping</b>")</li> <li>3. When the humidity inside the ceiling changes considerably, install a ventilation port.</li> </ol>
When using an external duct.	When using an external duct to take in new fresh air, etc., condensation may form on the surface of the duct due to the effect of the outside air temperature and the humidity inside the ceiling.	Always perform heat insulation processing. (Heat insulating material: Glass wool 1 in [25 mm] thick or more.)
When the remote controller installation site is bad.	If the cold or warm air blown out from the air conditioner directly contacts the thermostat section of the remote controller, the outlet temperature of the air conditioner may be sensed and room temperature control will be different from the room temperature, and "not cooled" or "not heated" or other trouble may occur. In addition, there is the possibility that the same kind of trouble may also occur when the remote controller is effected by direct sunlight.	<ol style="list-style-type: none"> <li>1. Install the remote controller where it will not be directly exposed to the cold or hot air.</li> <li>2. Install the remote controller where it will not be directly exposed to sunlight or strong lighting.</li> </ol>
When installation environment is quiet.	When the wall mounted type was installed in a bedroom, living room, or other quiet place, the sound of the refrigerant flow may be sensed as noise and must be taken into account.	<ol style="list-style-type: none"> <li>1. Plan installation of a model with external expansion valve.</li> <li>2. Plan installation of a branch box farther from indoor unit.</li> <li>3. Plan installation using another air conditioner.</li> </ol>
When installing duct type in ceiling chamber system.	In the case of the ceiling chamber system (duct is not installed at indoor unit inlet side and room air is sucked into the indoor unit through the inside of the ceiling), the thermistor inside the indoor unit may not correctly detect the room temperature. <ul style="list-style-type: none"> <li>• Heating operation: Room is not heated because the indoor unit is easily turned off by the thermostat.</li> <li>• Cooling operation: Room is too cold because the indoor unit is difficult to turn off by the thermostat.</li> </ul>	Replace the indoor unit thermistor with optional remote sensor unit, and install the sensor where the room temperature can be correctly detected.
When the outlet air is sucked in at duct type.	Cooling operation does not cool the room and heating operation does not heat the room because the short circuited indoor unit is not turned on by the thermostat.	<ol style="list-style-type: none"> <li>1. Reconsider the ventilation port construction.</li> <li>2. Replace the indoor unit thermistor with optional remote sensor unit, and install the sensor where the room temperature can be correctly detected.</li> </ol>
When using the wireless remote controller.	Signals may not be received when using it in a room illuminated by an inverter fluorescent lamp.	Turn on the fluorescent lamp and check if the indoor unit receives the signals from the remote controller. If the indoor unit does not receive the signals, consult an authorized service personnel.
When installing the inverter type.	It may generate noise in TV sets, stereos and PCs.	The inverter type should be installed at a sufficient distance from these equipments.

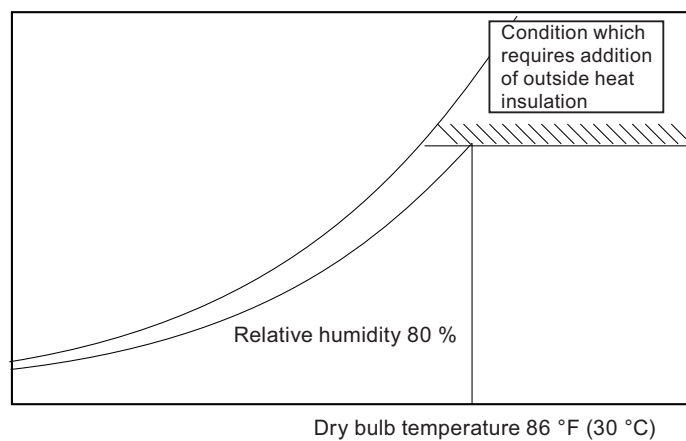


Figure 19-1 **Moist air curve**

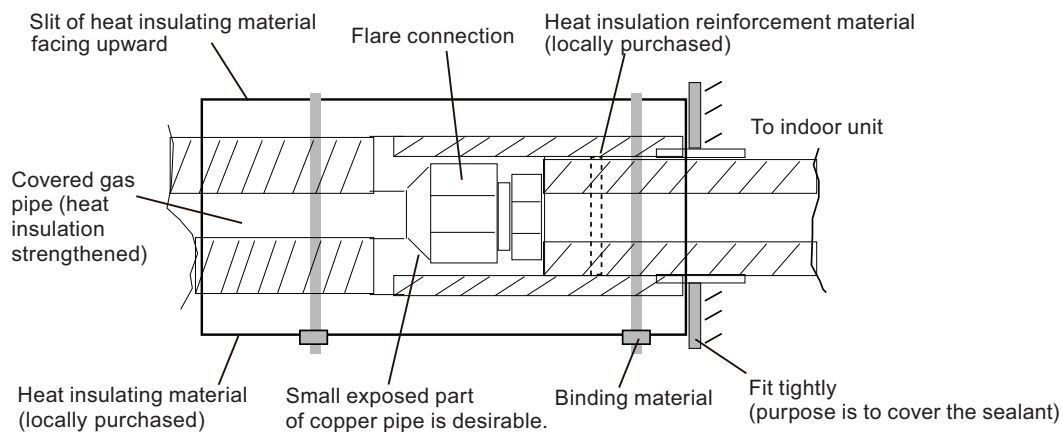


Figure 19-2 **Work method when reinforcing the heat insulation of on-site piping**

# **Part 2. OUTDOOR UNIT (2 UNITS TYPE)**

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**MULTI-SPLIT TYPE:  
AOU18RLXFZH**

# 1. Specifications

OUTDOOR UNIT (2-unit type)  
AOU18RLXFZH

OUTDOOR UNIT (2-unit type)  
AOU18RLXFZH

Type				Inverter, Heat pump		
Model name				AOU18RLXFZH		
Power source				1Ø 208/230 V 60 Hz		
Available voltage range				187—264V		
Connectable indoor unit		Number		2		
		Total capacity range		14,000 to 21,000 Btu/h		
Combination of indoor unit				Non-duct ASU9RLF1 × 2	Duct ADUH09LUAS1 × 2	Mix
Capacity	Cooling	Rated	Btu/h	18,000		
			kW	5.28		
		Min.—Max.	Btu/h	6,100—21,000		
			kW	1.8—6.2		
	Heating	Rated	Btu/h	22,000		
			kW	6.42		
		Min.—Max.	Btu/h	6,800—24,400		
			kW	2.0—7.2		
	Heating (17°F)*1	Rated	Btu/h	14,200		
			kW	4.16		
		Min.—Max.	Btu/h	4,400—23,600		
			kW	1.29—6.92		
	Heating (5°F)*2	Rated	Btu/h	22,000		
			kW	6.45		
		Min.—Max.	Btu/h	4,200—22,000		
			kW	1.23—6.45		
Input power	Cooling	Rated	kW	1.33	1.45	—
		Max.		1.95	2.01	—
	Heating	Rated		1.70	1.79	—
		Max.		2.02	2.08	—
	Heating (17°F)*1	Rated		1.60	1.68	—
		Max.		3.24		—
	Heating (5°F)*2	Rated		3.50		—
		Max.		3.50		—
Current	Cooling	Rated	A	5.8	6.4	6.1
	Heating			7.5	7.9	7.7
EER2	Cooling	Rated	Btu/hW	13.5	12.4	13.0
SEER2	Cooling		Btu/hW	21.5	19.0	20.25
COP2	Heating	Rated	kW/kW	3.80	3.60	3.70
HSPF2	Heating		Btu/hW	9.6	9.0	9.3
Power factor	Cooling	Rated	%	99.7	98.5	—
	Heating			98.5		—
Starting current			A	7.9		
Maximum operating current*3			A	16.4		
Fan	Type × Qty			Propeller × 1		
	Airflow rate	Cooling		1,648 (2,800)		
		Heating		1,648 (2,800)		
	Motor	Type × Quantity			DC motor × 1	
Output		W	100			
Sound pressure level*4	Cooling	Rated	dB (A)	48		
	Heating			50		
	31-7/16 × 35-7/16 × 1-7/16 (798 × 900 × 36.38)					
Heat exchanger	Dimension (H × W × D)		in (mm)	20		
	Fin pitch		FPI	2 × 38		
	Rows × Stages			Grooved H-pin (Copper)		
	Pipe type (Material)			Corrugate (Aluminum)		
	Fin	Type (Material)	Surface treatment	Corrosion resistance (Blue Fin)		
Compressor	Type			DC twin rotary		
	Motor output		W	1,100		
Refrigerant	Type			R410A		
	Charge		lb (g)	4 lb 14 oz (2,200)4 lb 3 oz (1,900)		
Refrigerant oil	Type			RB68		
	Amount		in <sup>3</sup> (cm <sup>3</sup> )	36.6 (600)		
Enclosure	Material			Painted galvanized steel		
	Color			Beige (Approximate color of Munsell 10YR 7.5/1.0 NN)		
Dimensions	Net	(H × W × D)	in (mm)	32-11/16 × 35-7/16 × 13 (830 × 900 × 330)		
	Gross			39-3/8 × 41-5/16 × 17-1/2 (1,000 × 1,050 × 445)		
Weight	Net		lb (kg)	134 (61)		
	Gross			152 (69)		
Connection pipe	Size	Liquid	in (mm)	Ø1/4 (Ø6.35) × 2		
		Gas		Ø3/8 (Ø9.52) × 2		
	Method		ft (m)	Flare		
	Pre-charge length (Total)			98 (30)		
	Max. length (Total)			164 (50)		
	Max. length (Each)			82 (25)		
	Min. length (Total)			49 (15)		
	Min. length (Each)			16 (5)		
	Max. height difference between outdoor unit and each indoor units			49 (15)		
	Max. height difference between indoor units			33 (10)		
Operation range		Cooling	°F (°C)	14 to 115 (-10 to 46)		
		Heating		-15 to 75 (-26 to 24)		

Type	Inverter, Heat pump
Model name	AOU18RLXFZH
<b>NOTES:</b> <ul style="list-style-type: none"> <li>Specifications are based on the following conditions: <ul style="list-style-type: none"> <li>Cooling: Indoor temperature of 80°FDB (26.7°CDB)/67°F WB (19.4°CWB), and outdoor temperature of 95°FDB (35°CDB)/75°F WB (23.9°CWB).</li> <li>Heating: Indoor temperature of 70°FDB (21.1°CDB)/60°F WB (15.6°CWB), and outdoor temperature of 47°FDB (8.3°CDB)/43°F WB (6.1°CWB).</li> <li>*1: Heating (17°F): Indoor temperature of 70°FDB (21.11°CDB) /60°F WB (15.56°CWB), and outdoor temperature of 17°FDB (-8.33°CDB) /15°F WB (-9.44°CWB).</li> <li>*2: Heating (5°F): Indoor temperature of 70°FDB (21.11°CDB)/60°F WB (15.56°CWB), and outdoor temperature of 5°FDB (-15.0°CDB)/4°F WB (-15.56°CWB).</li> <li>Test conditions are based on AHRI 210/240 2023.</li> <li>Pipe length: 24.6 ft (7.5 m), Height difference: 0 ft (0 m). (Between outdoor unit and indoor unit.)</li> </ul> </li> <li>Protective function might work when using it outside the operation range.</li> <li>*3: Maximum current: <ul style="list-style-type: none"> <li>The maximum value when operated within the operation range.</li> <li>The total current of indoor unit and outdoor unit.</li> </ul> </li> <li>*4: Sound pressure level: <ul style="list-style-type: none"> <li>Measured values in manufacturer's anechoic chamber.</li> <li>Because of the surrounding sound environment, the sound levels measured in actual installation conditions might be higher than the specified values here.</li> </ul> </li> </ul>	

M condition								
Model name				AOU18RLXFZH				
Capacity	Cooling	Rated	Btu/h	18,000				
			kW	5.28				
		Min.—Max.	Btu/h	6,100—21,000				
			kW	1.8—6.2				
		Heating	Rated	Btu/h	22,000			
				kW	6.42			
	Min.—Max.		Btu/h	6,800—24,400				
			kW	2.0—7.2				
	Heating (17°F)*	Rated	Btu/h	14,200				
			kW	4.16				
		Min.—Max.	Btu/h	4,400—23,600				
			kW	1.23—6.45				
Input power		Cooling	Rated	kW	1.33	1.45	—	
			Max.		1.95	2.01	—	
	Heating	Rated	1.70		1.79	—		
		Max.	2.02		2.08	—		
	Heating (17°F)*	Rated	1.60		1.68	—		
		Max.	3.24		—			
	Current	Cooling	Rated		A	5.8	6.4	6.1
		Heating				7.5	7.9	7.7
EER	Cooling	Rated	Btu/hW	13.5	12.4	13.0		
SEER	Cooling		Btu/hW	21.5	19.0	20.3		
COP	Heating	Rated	kW/kW	3.80	3.60	3.70		
HSPF	Heating		Btu/hW	10.3	9.0	9.7		
Power factor	Cooling	Rated	%	99.7	98.5	—		
	Heating			98.5		—		
NOTES:								
<ul style="list-style-type: none"><li>Specifications are based on the following conditions:<ul style="list-style-type: none"><li>Power source of specifications : 230 V</li><li>Pipe length: 24.6 ft (7.5 m), Height difference: 0 ft (0 m) [Outdoor unit—Indoor unit]</li><li>Cooling: Indoor temperature of 80°FDB (26.7°CDB)/67°FWB (19.4°CWB), and outdoor temperature of 95°FDB (35°CDB)/75°FWB (23.9°CWB).</li><li>Heating: Indoor temperature of 70°FDB (21.1°CDB)/60°FWB (15.6°CWB), and outdoor temperature of 47°FDB (8.3°CDB)/43°FWB (6.1°CWB).</li><li>*: Heating (17°F): Indoor temperature of 70°FDB (21.11°CDB)/60°FWB (15.56°CWB), and outdoor temperature of 17°FDB (-8.33°CDB)/15°FWB (-9.44°CWB).</li><li>Test conditions are based on AHRI 210/240 2017.</li></ul></li><li>For other combination, refer to the combination table.</li><li>The protective function might work when using it outside the operation range.</li></ul>								

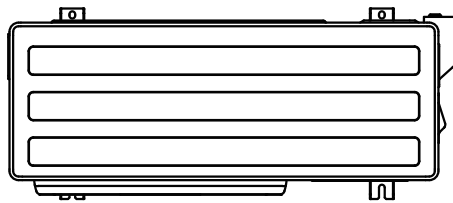
## 2. Dimensions

### 2-1. Model: AOU18RLXFZH

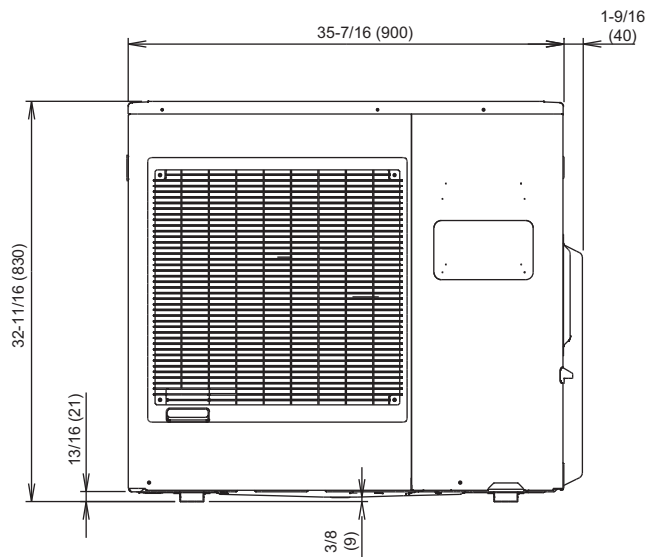
Unit: in (mm)

OUTDOOR UNIT (2-unit  
type)  
AOU18RLXFZH

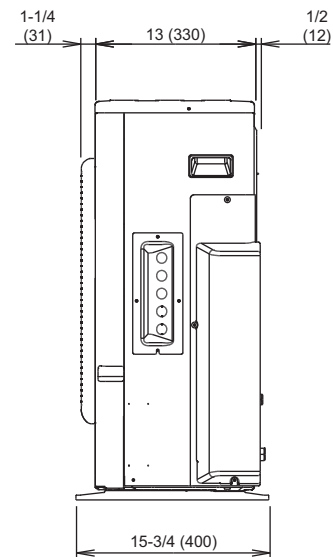
OUTDOOR UNIT (2-unit  
type)  
AOU18RLXFZH



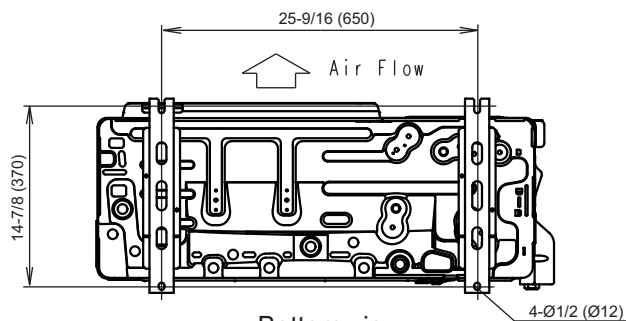
Top view



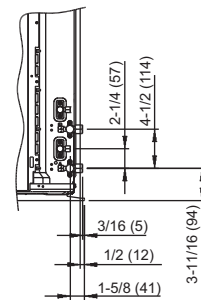
Front view



Side view



Bottom view



## 3. Installation space

### 3-1. Model: AOU18RLXFZH

#### ■ Space requirement

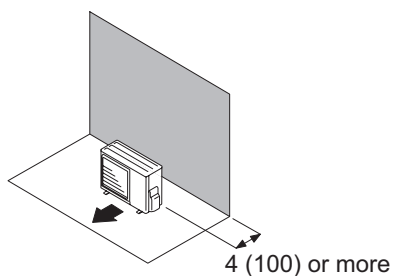
Provide sufficient installation space for product safety.

#### ● Single outdoor unit installation

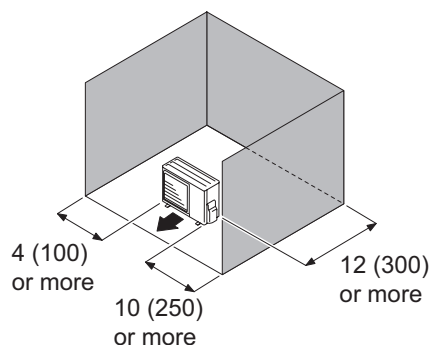
- When the upper space is open:

Unit: in (mm)

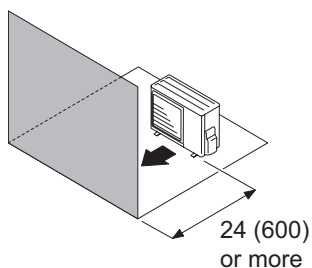
When there are obstacles at the rear only.



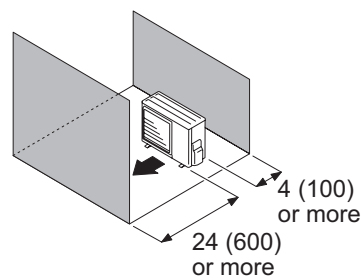
When there are obstacles at the rear and sides.



When there are obstacles at the front only.



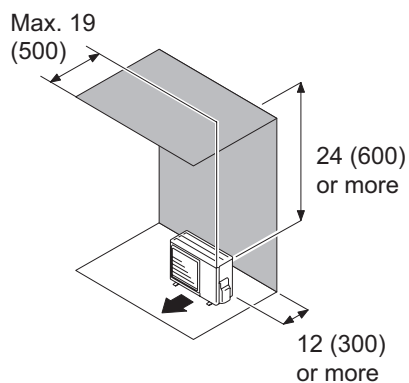
When there are obstacles at the front and rear.



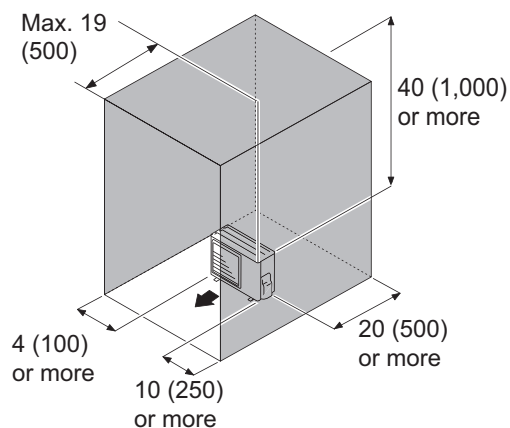
- When there is an obstruction in the upper space:

Unit: in (mm)

When there are obstacles at the rear and above.



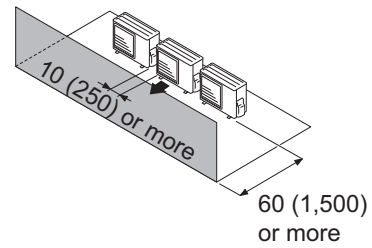
When there are obstacles at the rear, sides, and above.



**OUTDOOR UNIT (2-unit type)**  
**AOU18RLXFZH**

- Unit: in (mm)

When there are obstacles at the front only.



The diagram shows three rectangular blocks representing information units. The first block is labeled '10 (250) or more'. The second block is labeled '20 (500) or more'. The third block is labeled '60 (1,500) or more'. Arrows indicate the flow of information from the first block to the second, and from the second to the third.

- Unit: in (mm)

Max. 11  
(300)

10 (250)  
or more

60 (1,500)  
or more

60 (1,500)  
or more

10 (250)  
or more

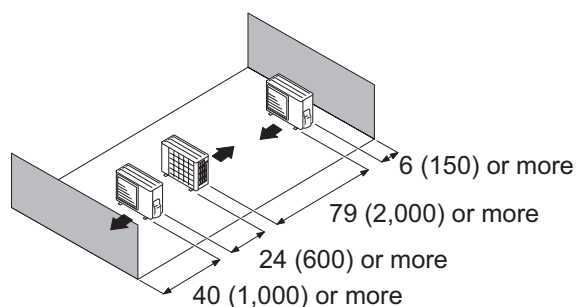
20 (500) or more

60 (1,500) or more

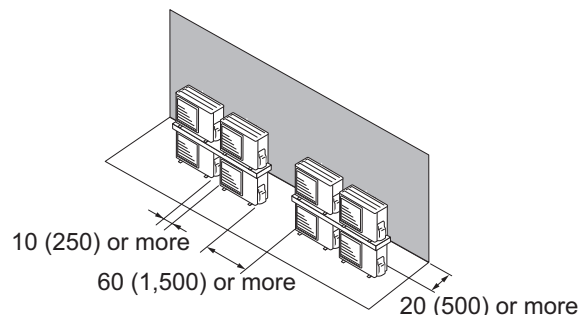
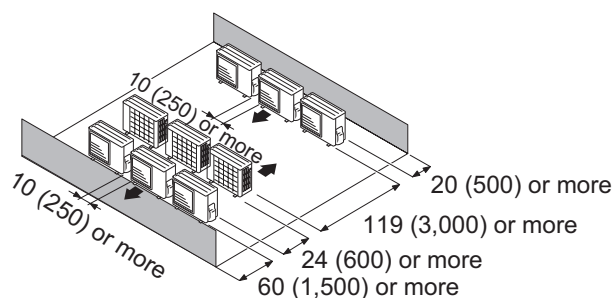
## ● Outdoor unit installation in multi-row

Unit: in (mm)

Single parallel unit arrangement



Multiple parallel unit arrangement

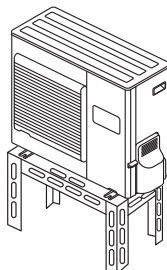


### NOTES:

- If the space is larger than stated above, the condition will be the same as when there is no obstacle.
- Height above the floor level should be 2 in (50 mm) or more.
- When installing the outdoor unit, be sure to open the front and left side to obtain better operation efficiency.



### ⚠ CAUTION

- Do not install the outdoor unit in two-stage where the drain water could freeze. Otherwise the drainage from the upper unit may form ice and cause a malfunction of the lower unit.
- When the outdoor temperature is 32 °F (0 °C) or less, do not use the accessory drain pipe and drain cap. If the drain pipe and drain cap are used, the drain water in the pipe may freeze in extremely cold climate. (For reverse cycle model only.)
- In area with heavy snowfall, if the inlet and outlet of the outdoor unit is blocked with snow, it might become difficult to get warm, and it is likely to cause product malfunction. Construct a canopy and a pedestal, or place the unit on a high stand that is locally installed.



**OUTDOOR UNIT (2-unit type)**  
**AOU18RLXFZH**



$T_{HR}$   : Thermistor (Room temperature)  
 $T_{HP}$   : Thermistor (Pipe temperature)



## 6. Capacity table

### 6-1. Combinations

#### ■ Model: AOU18RLXFZH

#### ● Cooling

##### 1) Non-ducted

Combination of indoor unit			Rated capacity for each indoor unit (kBtu/h)		Maximum capacity for each indoor unit (kBtu/h)		Total capacity (kBtu/h)			Input power (kW)		
Unit 1	Unit 2	Total	Unit 1	Unit 2	Unit 1	Unit 2	Min.	Rated	Max.	Min.	Rated	Max.
7	7	14	7.05	7.05	8.70	8.70	6.10	14.10	17.40	0.50	1.20	1.56
7	9	16	7.09	9.11	8.66	11.14	6.10	16.20	19.80	0.50	1.33	1.71
7	12	19	6.63	11.37	7.74	13.26	6.10	18.00	21.00	0.50	1.33	1.95
9	9	18	9.00	9.00	10.50	10.50	6.10	18.00	21.00	0.50	1.33	1.95
9	12	21	7.71	10.29	9.00	12.00	6.10	18.00	21.00	0.50	1.33	1.95

##### 2) Ducted

Combination of indoor unit			Rated capacity for each indoor unit (kBtu/h)		Maximum capacity for each indoor unit (kBtu/h)		Total capacity (kBtu/h)			Input power (kW)		
Unit 1	Unit 2	Total	Unit 1	Unit 2	Unit 1	Unit 2	Min.	Rated	Max.	Min.	Rated	Max.
7	7	14	7.05	7.05	8.70	8.70	6.10	14.10	17.40	0.50	1.31	1.60
7	9	16	7.09	9.11	8.66	11.14	6.10	16.20	19.80	0.50	1.45	1.76
7	12	19	6.63	11.37	7.74	13.26	6.10	18.00	21.00	0.50	1.45	1.99
9	9	18	9.00	9.00	10.50	10.50	6.10	18.00	21.00	0.50	1.45	2.01
9	12	21	7.71	10.29	9.00	12.00	6.10	18.00	21.00	0.50	1.45	2.02

#### NOTES:

Specifications are based on the following conditions.

- Power source of specifications: 230 V
- 7: 7,000 Btu/h, 9: 9,000 Btu/h, 12: 12,000 Btu/h
- 2 indoor units should be connected.
- Cooling: Indoor temperature of 80 °FDB (26.7 °CDB)/67 °FWB (19.4 °CWB), and outdoor temperature of 95 °FDB (35 °CDB)/75 °FWB (23.9 °CWB).
- Pipe length: 24.6 ft (7.5 m), Height difference: 0 ft (0 m) [Outdoor unit—Indoor unit]
- The total ability of connected indoor units is from 14,000 Btu up to 21,000 Btu.
- Non-Ducted system combinations input are based on wall mount models. The input of combinations including cassette models may be a little higher.
- Ducted system combinations capacities are based on slim duct units excepting 7,000-Btu models. 7,000 Btu models are based on wall mount models.

# ● Heating

## 1) Non-ducted

Combination of indoor unit			Rated capacity for each indoor unit (kBtu/h)		Maximum capacity for each indoor unit (kBtu/h)		Total capacity (kBtu/h)			Input power (kW)		
Unit 1	Unit 2	Total	Unit 1	Unit 2	Unit 1	Unit 2	Min.	Rated	Max.	Min.	Rated	Max.
7	7	14	9.20	9.20	10.35	10.35	6.80	18.40	20.70	0.52	1.37	1.89
7	9	16	8.93	11.48	9.84	12.66	6.80	20.40	22.50	0.52	1.53	1.96
7	12	19	8.11	13.89	8.99	15.41	6.80	22.00	24.40	0.52	1.70	2.02
9	9	18	11.00	11.00	12.20	12.20	6.80	22.00	24.40	0.52	1.70	2.02
9	12	21	9.43	12.57	10.46	13.94	6.80	22.00	24.40	0.52	1.70	2.02

OUTDOOR UNIT (2-unit type)  
AOU18RLXFZH

OUTDOOR UNIT (2-unit type)  
AOU18RLXFZH

## 2) Ducted

Combination of indoor unit			Rated capacity for each indoor unit (kBtu/h)		Maximum capacity for each indoor unit (kBtu/h)		Total capacity (kBtu/h)			Input power (kW)		
Unit 1	Unit 2	Total	Unit 1	Unit 2	Unit 1	Unit 2	Min.	Rated	Max.	Min.	Rated	Max.
7	7	14	9.20	9.20	10.35	10.35	6.80	18.40	20.70	0.52	1.43	1.95
7	9	16	8.93	11.48	9.84	12.66	6.80	20.40	22.50	0.52	1.61	2.02
7	12	19	8.11	13.89	8.99	15.41	6.80	22.00	24.40	0.52	1.79	2.08
9	9	18	11.00	11.00	12.20	12.20	6.80	22.00	24.40	0.52	1.79	2.08
9	12	21	9.43	12.57	10.46	13.94	6.80	22.00	24.40	0.52	1.79	2.08

### NOTES:

Specifications are based on the following conditions.

- Power source of specifications: 230 V
- 7: 7,000 Btu/h, 9: 9,000 Btu/h, 12: 12,000 Btu/h
- 2 indoor units should be connected.
- Heating: Indoor temperature of 70 °FDB (21.1 °CDB)/60 °FWB (15.6 °CWB), and outdoor temperature of 47 °FDB (8.3 °CDB)/43 °FWB (6.1 °CWB).
- Pipe length: 24.6 ft (7.5 m), Height difference: 0 ft (0 m) [Outdoor unit—Indoor unit]
- The total ability of connected a indoor unit is from 14,000 Btu up to 21,000 Btu.
- Non-Ducted system combinations input are based on wall mount models. The input of combinations including cassette models may be a little higher.
- Ducted system combinations capacities are based on slim duct units excepting 7,000-Btu models. 7,000 Btu models are based on wall mount models.

## 6-2. Cooling capacity

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

### ■ Model: AOU18RLXFZH

- TC: Total Capacity, SHC: Sensible Heat Capacity, IP: Input Power
- The data is based on the following conditions:  
Pipe length: 24.6 ft (7.5 m), Height difference: 0 ft (0 m) [Outdoor unit—Indoor unit]

### ● Indoor units: 7,000 Btu

		Indoor temperature																				
		°FDB			64			70			75			80			85			90		
		°FWB			54			60			63			67			71			73		
Outdoor temperature	°FDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP			
		kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW			
	14	7.49	5.86	0.35	8.46	5.86	0.36	8.92	6.46	0.36	9.55	6.78	0.36	10.21	6.94	0.37	10.53	7.71	0.37			
	23	7.18	5.72	0.40	8.11	5.71	0.40	8.55	6.30	0.41	9.15	6.61	0.41	9.79	6.77	0.42	10.09	7.52	0.42			
	32	7.05	5.66	0.44	7.97	5.66	0.45	8.40	6.24	0.45	8.99	6.55	0.46	9.62	6.70	0.46	9.91	7.44	0.46			
	41	6.99	5.63	0.45	7.90	5.63	0.46	8.33	6.21	0.46	8.92	6.51	0.47	9.53	6.66	0.47	9.82	7.41	0.48			
	50	7.05	5.66	0.46	7.97	5.66	0.46	8.40	6.24	0.47	8.99	6.55	0.47	9.62	6.70	0.48	9.91	7.44	0.48			
	59	6.86	5.57	0.47	7.76	5.57	0.48	8.18	6.14	0.49	8.76	6.44	0.49	9.36	6.59	0.50	9.65	7.33	0.50			
	67	7.39	5.84	0.51	8.35	5.83	0.52	8.80	6.44	0.52	9.42	6.75	0.53	10.07	6.91	0.54	10.38	7.68	0.54			
	77	7.09	5.68	0.52	8.01	5.67	0.53	8.44	6.26	0.54	9.04	6.56	0.54	9.66	6.72	0.55	9.96	7.46	0.55			
	87	6.65	5.45	0.58	7.52	5.44	0.59	7.92	6.00	0.59	8.48	6.30	0.60	9.07	6.45	0.61	9.35	7.16	0.61			
	95	7.37	5.81	0.83	8.32	5.80	0.85	8.78	6.40	0.85	9.40	6.71	0.86	10.04	6.87	0.87	10.35	7.63	0.88			
104	7.15	5.71	0.92	8.08	5.70	0.94	8.52	6.29	0.95	9.12	6.60	0.96	9.75	6.75	0.97	10.05	7.50	0.97				
115	6.53	5.45	1.05	7.38	5.45	1.07	7.78	6.01	1.07	8.33	6.30	1.09	8.91	6.45	1.10	9.18	7.17	1.11				

Outdoor temperature		Indoor temperature																	
	°CDB	17.8			21.1			23.9			26.7			29.4			32.2		
	°CWB	12.2			15.6			17.2			19.4			21.7			22.8		
	°CDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
		kW			kW			kW			kW			kW			kW		
	-10.0	2.19	1.72	0.35	2.48	1.72	0.36	2.61	1.89	0.36	2.80	1.99	0.36	2.99	2.03	0.37	3.09	2.26	0.37
	-5.0	2.10	1.68	0.40	2.38	1.67	0.40	2.51	1.85	0.41	2.68	1.94	0.41	2.87	1.98	0.42	2.96	2.20	0.42
	0.0	2.07	1.66	0.44	2.34	1.66	0.45	2.46	1.83	0.45	2.64	1.92	0.46	2.82	1.96	0.46	2.91	2.18	0.46
	5.0	2.05	1.65	0.45	2.31	1.65	0.46	2.44	1.82	0.46	2.61	1.91	0.47	2.79	1.95	0.47	2.88	2.17	0.48
	10.0	2.07	1.66	0.46	2.34	1.66	0.46	2.46	1.83	0.47	2.64	1.92	0.47	2.82	1.96	0.48	2.91	2.18	0.48
15.0	2.01	1.63	0.47	2.27	1.63	0.48	2.40	1.80	0.49	2.57	1.89	0.49	2.74	1.93	0.50	2.83	2.15	0.50	
19.4	2.17	1.71	0.51	2.45	1.71	0.52	2.58	1.89	0.52	2.76	1.98	0.53	2.95	2.03	0.54	3.04	2.25	0.54	
25.0	2.08	1.66	0.52	2.35	1.66	0.53	2.47	1.83	0.54	2.65	1.92	0.54	2.83	1.97	0.55	2.92	2.19	0.55	
30.6	1.95	1.60	0.58	2.20	1.60	0.59	2.32	1.76	0.59	2.49	1.85	0.60	2.66	1.89	0.61	2.74	2.10	0.61	
35.0	2.16	1.70	0.83	2.44	1.70	0.85	2.57	1.88	0.85	2.75	1.97	0.86	2.94	2.01	0.87	3.03	2.24	0.88	
40.0	2.10	1.67	0.92	2.37	1.67	0.94	2.50	1.84	0.95	2.67	1.93	0.96	2.86	1.98	0.97	2.95	2.20	0.97	
46.1	1.91	1.60	1.05	2.16	1.60	1.07	2.28	1.76	1.07	2.44	1.85	1.09	2.61	1.89	1.10	2.69	2.10	1.11	

## ● Indoor units: 9,000 Btu

		Indoor temperature																							
		64			70			75			80			85			90								
		54			60			63			67			71			73								
Outdoor temperature	°FDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP						
	°FWB	kBtu/h			kW			kBtu/h			kW			kBtu/h			kW			kBtu/h			kW		
	14	7.54	6.16	0.31	8.52	6.15	0.31	8.99	6.78	0.31	9.62	7.12	0.32	10.29	7.28	0.32	10.60	8.09	0.32						
	23	7.23	6.01	0.35	8.17	6.00	0.35	8.61	6.62	0.35	9.22	6.94	0.36	9.86	7.11	0.36	10.16	7.90	0.36						
	32	7.10	5.95	0.38	8.03	5.94	0.39	8.46	6.55	0.39	9.06	6.87	0.40	9.69	7.03	0.40	9.98	7.82	0.40						
	41	7.04	5.92	0.39	7.96	5.91	0.40	8.39	6.52	0.40	8.98	6.84	0.41	9.60	7.00	0.41	9.90	7.78	0.41						
	50	7.10	5.95	0.40	8.03	5.94	0.40	8.46	6.55	0.41	9.06	6.87	0.41	9.69	7.03	0.42	9.98	7.82	0.42						
	59	7.24	6.01	0.45	8.18	6.00	0.46	8.62	6.62	0.47	9.23	6.95	0.47	9.87	7.11	0.48	10.17	7.90	0.48						
	67	8.39	6.58	0.57	9.49	6.57	0.58	10.00	7.25	0.59	10.71	7.60	0.59	11.45	7.78	0.60	11.80	8.65	0.60						
	77	8.05	6.39	0.59	9.10	6.39	0.60	9.59	7.04	0.60	10.27	7.39	0.61	10.98	7.56	0.61	11.32	8.41	0.62						
	87	7.56	6.14	0.65	8.54	6.13	0.66	9.00	6.76	0.67	9.64	7.09	0.67	10.30	7.26	0.68	10.62	8.07	0.69						
	95	8.97	6.81	1.08	10.14	6.80	1.10	10.69	7.50	1.11	11.44	7.87	1.12	12.23	8.05	1.13	12.61	8.95	1.14						
	104	8.51	6.60	1.20	9.61	6.59	1.22	10.13	7.27	1.23	10.85	7.63	1.25	11.60	7.81	1.26	11.96	8.68	1.27						
	115	7.82	6.34	1.36	8.83	6.33	1.39	9.31	6.98	1.40	9.97	7.33	1.41	10.66	7.50	1.43	10.99	8.33	1.44						

OUTDOOR UNIT (2-unit type)  
AOU18RLXFZH

OUTDOOR UNIT (2-unit type)  
AOU18RLXFZH

		Indoor temperature																				
		°CDB			17.8			21.1			23.9			26.7			29.4			32.2		
		°CWB			12.2			15.6			17.2			19.4			21.7			22.8		
Outdoor temperature	°CDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP			
		kW			kW			kW			kW			kW			kW					
	-10.0	2.21	1.80	0.31	2.50	1.80	0.31	2.63	1.99	0.31	2.82	2.09	0.32	3.01	2.13	0.32	3.11	2.37	0.32			
	-5.0	2.12	1.76	0.35	2.39	1.76	0.35	2.52	1.94	0.35	2.70	2.04	0.36	2.89	2.08	0.36	2.98	2.31	0.36			
	0.0	2.08	1.74	0.38	2.35	1.74	0.39	2.48	1.92	0.39	2.66	2.01	0.40	2.84	2.06	0.40	2.93	2.29	0.40			
	5.0	2.06	1.73	0.39	2.33	1.73	0.40	2.46	1.91	0.40	2.63	2.00	0.41	2.81	2.05	0.41	2.90	2.28	0.41			
	10.0	2.08	1.74	0.40	2.35	1.74	0.40	2.48	1.92	0.41	2.66	2.01	0.41	2.84	2.06	0.42	2.93	2.29	0.42			
	15.0	2.12	1.76	0.45	2.40	1.76	0.46	2.53	1.94	0.47	2.71	2.04	0.47	2.89	2.08	0.48	2.98	2.32	0.48			
	19.4	2.46	1.93	0.57	2.78	1.93	0.58	2.93	2.12	0.59	3.14	2.23	0.59	3.35	2.28	0.60	3.46	2.53	0.60			
	25.0	2.36	1.87	0.59	2.67	1.87	0.60	2.81	2.06	0.60	3.01	2.17	0.61	3.22	2.22	0.61	3.32	2.46	0.62			
	30.6	2.21	1.80	0.65	2.50	1.80	0.66	2.64	1.98	0.67	2.82	2.08	0.67	3.02	2.13	0.68	3.11	2.36	0.69			
	35.0	2.63	2.00	1.08	2.97	1.99	1.10	3.13	2.20	1.11	3.35	2.31	1.12	3.59	2.36	1.13	3.70	2.62	1.14			
40.0	2.49	1.93	1.20	2.82	1.93	1.22	2.97	2.13	1.23	3.18	2.24	1.25	3.40	2.29	1.26	3.50	2.54	1.27				
46.1	2.29	1.86	1.36	2.59	1.86	1.39	2.73	2.05	1.40	2.92	2.15	1.41	3.12	2.20	1.43	3.22	2.44	1.44				

## ● Indoor units: 12,000 Btu

		Indoor temperature																							
		64			70			75			80			85			90								
		54			60			63			67			71			73								
Outdoor temperature	°FDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP						
	°FWB	kBtu/h			kW			kBtu/h			kW			kBtu/h			kW			kBtu/h			kW		
	14	9.71	7.59	0.41	10.98	7.58	0.42	11.57	8.37	0.42	12.39	8.78	0.43	13.25	8.98	0.43	13.66	9.98	0.43						
	23	9.31	7.41	0.46	10.52	7.40	0.47	11.09	8.16	0.48	11.87	8.56	0.48	12.69	8.76	0.49	13.09	9.74	0.49						
	32	9.15	7.33	0.51	10.34	7.32	0.52	10.90	8.08	0.53	11.67	8.48	0.53	12.47	8.67	0.54	12.86	9.64	0.54						
	41	9.07	7.29	0.53	10.25	7.29	0.54	10.80	8.04	0.54	11.57	8.43	0.55	12.36	8.63	0.55	12.74	9.59	0.56						
	50	9.15	7.33	0.53	10.34	7.32	0.54	10.90	8.08	0.55	11.67	8.48	0.55	12.47	8.67	0.56	12.86	9.64	0.56						
	59	8.91	7.22	0.55	10.06	7.21	0.56	10.61	7.95	0.57	11.36	8.35	0.57	12.14	8.54	0.58	12.52	9.49	0.58						
	67	11.07	8.23	0.81	12.51	8.22	0.82	13.19	9.06	0.83	14.12	9.51	0.84	15.10	9.73	0.85	15.56	10.81	0.85						
	77	10.62	8.00	0.83	12.00	7.99	0.84	12.65	8.81	0.85	13.55	9.24	0.86	14.48	9.46	0.87	14.93	10.51	0.87						
	87	9.97	7.67	0.92	11.26	7.66	0.93	11.87	8.45	0.94	12.71	8.87	0.95	13.59	9.08	0.96	14.01	10.09	0.97						
	95	10.32	7.86	1.14	11.66	7.85	1.16	12.29	8.66	1.17	13.16	9.09	1.19	14.07	9.30	1.20	14.50	10.34	1.21						
	104	9.78	7.62	1.27	11.06	7.61	1.29	11.65	8.40	1.30	12.48	8.81	1.32	13.34	9.02	1.33	13.75	10.02	1.34						
	115	8.99	7.32	1.44	10.16	7.31	1.47	10.71	8.07	1.48	11.47	8.46	1.49	12.26	8.66	1.51	12.64	9.62	1.52						

		Indoor temperature																	
		17.8			21.1			23.9			26.7			29.4			32.2		
		12.2			15.6			17.2			19.4			21.7			22.8		
Outdoor temperature	°CDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
		kW			kW			kW			kW			kW			kW		
	-10.0	2.85	2.23	0.41	3.22	2.22	0.42	3.39	2.45	0.42	3.63	2.57	0.43	3.88	2.63	0.43	4.00	2.93	0.43
	-5.0	2.73	2.17	0.46	3.08	2.17	0.47	3.25	2.39	0.48	3.48	2.51	0.48	3.72	2.57	0.49	3.84	2.85	0.49
	0.0	2.68	2.15	0.51	3.03	2.15	0.52	3.19	2.37	0.53	3.42	2.48	0.53	3.66	2.54	0.54	3.77	2.83	0.54
	5.0	2.66	2.14	0.53	3.00	2.14	0.54	3.17	2.36	0.54	3.39	2.47	0.55	3.62	2.53	0.55	3.74	2.81	0.56
	10.0	2.68	2.15	0.53	3.03	2.15	0.54	3.19	2.37	0.55	3.42	2.48	0.55	3.66	2.54	0.56	3.77	2.83	0.56
	15.0	2.61	2.12	0.55	2.95	2.11	0.56	3.11	2.33	0.57	3.33	2.45	0.57	3.56	2.50	0.58	3.67	2.78	0.58
	19.4	3.25	2.41	0.81	3.67	2.41	0.82	3.87	2.66	0.83	4.14	2.79	0.84	4.42	2.85	0.85	4.56	3.17	0.85
	25.0	3.11	2.34	0.83	3.52	2.34	0.84	3.71	2.58	0.85	3.97	2.71	0.86	4.24	2.77	0.87	4.38	3.08	0.87
30.6	2.92	2.25	0.92	3.30	2.25	0.93	3.48	2.48	0.94	3.73	2.60	0.95	3.98	2.66	0.96	4.11	2.96	0.97	
35.0	3.02	2.30	1.14	3.42	2.30	1.16	3.60	2.54	1.17	3.86	2.66	1.19	4.12	2.73	1.20	4.25	3.03	1.21	
40.0	2.87	2.23	1.27	3.24	2.23	1.29	3.42	2.46	1.30	3.66	2.58	1.32	3.91	2.64	1.33	4.03	2.94	1.34	
46.1	2.63	2.15	1.44	2.98	2.14	1.47	3.14	2.36	1.48	3.36	2.48	1.49	3.59	2.54	1.51	3.70	2.82	1.52	

## ● Indoor units: 7,000 Btu + 7,000 Btu

		Indoor temperature																	
°FDB		64			70			75			80			85			90		
°FWB		54			60			63			67			71			73		
Outdoor temperature	°FDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
		kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW
	14	12.74	10.15	0.59	14.40	10.14	0.60	15.18	11.18	0.60	16.25	11.73	0.61	17.38	12.00	0.62	17.91	13.34	0.62
	23	12.21	9.90	0.66	13.80	9.89	0.67	14.55	10.91	0.68	15.58	11.45	0.69	16.65	11.71	0.69	17.17	13.02	0.70
	32	12.00	9.80	0.73	13.56	9.79	0.74	14.30	10.80	0.75	15.31	11.33	0.75	16.36	11.59	0.76	16.87	12.88	0.77
	41	11.89	9.75	0.75	13.44	9.74	0.76	14.17	10.74	0.76	15.17	11.27	0.77	16.22	11.53	0.78	16.72	12.82	0.78
	50	12.00	9.80	0.75	13.56	9.79	0.77	14.30	10.80	0.77	15.31	11.33	0.78	16.36	11.59	0.79	16.87	12.88	0.79
	59	11.68	9.65	0.78	13.20	9.64	0.80	13.92	10.63	0.80	14.90	11.16	0.81	15.93	11.41	0.82	16.42	12.68	0.82
	67	14.52	10.99	1.13	16.41	10.98	1.15	17.30	12.11	1.16	18.53	12.71	1.17	19.80	13.00	1.19	20.42	14.45	1.19
	77	13.93	10.69	1.16	15.74	10.67	1.18	16.60	11.77	1.19	17.77	12.35	1.20	19.00	12.64	1.21	19.58	14.05	1.22
	87	13.07	10.26	1.28	14.77	10.24	1.30	15.57	11.30	1.31	16.68	11.86	1.33	17.83	12.13	1.34	18.38	13.48	1.35
	95	13.64	10.56	1.54	15.42	10.54	1.57	16.25	11.63	1.58	17.40	12.21	1.60	18.60	12.49	1.61	19.17	13.88	1.62
	104	12.93	10.24	1.71	14.61	10.22	1.73	15.41	11.28	1.75	16.50	11.83	1.77	17.63	12.11	1.79	18.18	13.46	1.80
	115	11.88	9.83	1.86	13.43	9.82	1.90	14.16	10.83	1.91	15.16	11.36	1.93	16.20	11.63	1.95	16.71	12.92	1.96

OUTDOOR UNIT (2-unit type)  
AOU18RLXFZH

OUTDOOR UNIT (2-unit type)  
AOU18RLXFZH

		Indoor temperature																	
	°CDB	17.8			21.1			23.9			26.7			29.4			32.2		
	°CWB	12.2			15.6			17.2			19.4			21.7			22.8		
	°CDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
		kW			kW			kW			kW			kW			kW		
	-10.0	3.73	2.97	0.59	4.22	2.97	0.60	4.45	3.28	0.60	4.76	3.44	0.61	5.09	3.52	0.62	5.25	3.91	0.62
	-5.0	3.58	2.90	0.66	4.04	2.90	0.67	4.26	3.20	0.68	4.57	3.35	0.69	4.88	3.43	0.69	5.03	3.81	0.70
	0.0	3.52	2.87	0.73	3.97	2.87	0.74	4.19	3.16	0.75	4.49	3.32	0.75	4.80	3.40	0.76	4.94	3.78	0.77
	5.0	3.49	2.86	0.75	3.94	2.85	0.76	4.15	3.15	0.76	4.45	3.30	0.77	4.75	3.38	0.78	4.90	3.76	0.78
	10.0	3.52	2.87	0.75	3.97	2.87	0.77	4.19	3.16	0.77	4.49	3.32	0.78	4.80	3.40	0.79	4.94	3.78	0.79
Outdoor temperature	15.0	3.42	2.83	0.78	3.87	2.82	0.80	4.08	3.12	0.80	4.37	3.27	0.81	4.67	3.35	0.82	4.81	3.72	0.82
	19.4	4.26	3.22	1.13	4.81	3.22	1.15	5.07	3.55	1.16	5.43	3.73	1.17	5.80	3.81	1.19	5.98	4.24	1.19
	25.0	4.08	3.13	1.16	4.61	3.13	1.18	4.86	3.45	1.19	5.21	3.62	1.20	5.57	3.70	1.21	5.74	4.12	1.22
	30.6	3.83	3.01	1.28	4.33	3.00	1.30	4.56	3.31	1.31	4.89	3.48	1.33	5.22	3.56	1.34	5.39	3.95	1.35
	35.0	4.00	3.09	1.54	4.52	3.09	1.57	4.76	3.41	1.58	5.10	3.58	1.60	5.45	3.66	1.61	5.62	4.07	1.62
	40.0	3.79	3.00	1.71	4.28	3.00	1.73	4.52	3.30	1.75	4.83	3.47	1.77	5.17	3.55	1.79	5.33	3.94	1.80
	46.1	3.48	2.88	1.86	3.94	2.88	1.90	4.15	3.17	1.91	4.44	3.33	1.93	4.75	3.41	1.95	4.90	3.79	1.96

## ● Indoor units: 7,000 Btu + 9,000 Btu

		Indoor temperature																				
		°FDB			64			70			75			80			85			90		
		°FWB			54			60			63			67			71			73		
Outdoor temperature	°FDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP			
		kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW			
	14	14.66	11.33	0.69	16.57	11.32	0.66	17.47	12.48	0.66	18.70	13.10	0.67	19.99	13.40	0.68	20.61	14.89	0.68			
	23	14.05	11.05	0.73	15.88	11.04	0.75	16.74	12.18	0.75	17.92	12.78	0.76	19.16	13.08	0.77	19.75	14.53	0.77			
	32	13.81	10.94	0.81	15.60	10.93	0.82	16.45	12.06	0.83	17.61	12.65	0.84	18.82	12.94	0.85	19.40	14.38	0.85			
	41	13.68	10.89	0.83	15.46	10.87	0.85	16.30	11.99	0.85	17.45	12.59	0.86	18.66	12.88	0.87	19.23	14.31	0.88			
	50	13.81	10.94	0.84	15.60	10.93	0.86	16.45	12.06	0.86	17.61	12.65	0.87	18.82	12.94	0.88	19.40	14.38	0.89			
	59	13.44	10.77	0.87	15.19	10.76	0.89	16.01	11.87	0.90	17.14	12.45	0.91	18.32	12.74	0.92	18.89	14.16	0.92			
	67	15.48	11.74	1.09	17.49	11.73	1.11	18.44	12.94	1.11	19.74	13.58	1.13	21.11	13.89	1.14	21.76	15.44	1.15			
	77	14.85	11.41	1.11	16.78	11.40	1.13	17.69	12.57	1.14	18.94	13.20	1.15	20.24	13.50	1.17	20.87	15.00	1.17			
	87	13.93	10.95	1.23	15.75	10.94	1.26	16.60	12.07	1.27	17.77	12.66	1.28	19.00	12.96	1.29	19.58	14.40	1.30			
	95	15.52	11.71	1.69	17.54	11.70	1.72	18.49	12.90	1.74	19.80	13.54	1.76	21.17	13.85	1.78	21.82	15.40	1.79			
	104	14.75	11.37	1.88	16.67	11.36	1.91	17.58	12.53	1.93	18.82	13.15	1.95	20.12	13.45	1.97	20.74	14.95	1.98			
	115	12.07	10.38	1.86	13.64	10.37	1.90	14.38	11.44	1.91	15.40	12.00	1.93	16.46	12.28	1.95	16.97	13.65	1.96			

		Indoor temperature																				
		17.8			21.1			23.9			26.7			29.4			32.2					
		°CWB			12.2			15.6			17.2			19.4			21.7			22.8		
Outdoor temperature	°CDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP			
		kW			kW			kW			kW			kW			kW					
	-10.0	4.30	3.32	0.69	4.86	3.32	0.66	5.12	3.66	0.66	5.48	3.84	0.67	5.86	3.93	0.68	6.04	4.37	0.68			
	-5.0	4.12	3.24	0.73	4.65	3.24	0.75	4.91	3.57	0.75	5.25	3.75	0.76	5.61	3.83	0.77	5.79	4.26	0.77			
	0.0	4.05	3.21	0.81	4.57	3.20	0.82	4.82	3.53	0.83	5.16	3.71	0.84	5.52	3.79	0.85	5.69	4.22	0.85			
	5.0	4.01	3.19	0.83	4.53	3.19	0.85	4.78	3.52	0.85	5.12	3.69	0.86	5.47	3.77	0.87	5.64	4.19	0.88			
	10.0	4.05	3.21	0.84	4.57	3.20	0.86	4.82	3.53	0.86	5.16	3.71	0.87	5.52	3.79	0.88	5.69	4.22	0.89			
	15.0	3.94	3.16	0.87	4.45	3.15	0.89	4.69	3.48	0.90	5.02	3.65	0.91	5.37	3.73	0.92	5.54	4.15	0.92			
	19.4	4.54	3.44	1.09	5.13	3.44	1.11	5.40	3.79	1.11	5.79	3.98	1.13	6.19	4.07	1.14	6.38	4.52	1.15			
	25.0	4.35	3.35	1.11	4.92	3.34	1.13	5.18	3.69	1.14	5.55	3.87	1.15	5.93	3.96	1.17	6.12	4.40	1.17			
	30.6	4.08	3.21	1.23	4.61	3.21	1.26	4.86	3.54	1.27	5.21	3.71	1.28	5.57	3.80	1.29	5.74	4.22	1.30			
35.0	4.55	3.43	1.69	5.14	3.43	1.72	5.42	3.78	1.74	5.80	3.97	1.76	6.20	4.06	1.78	6.39	4.51	1.79				
40.0	4.32	3.33	1.88	4.89	3.33	1.91	5.15	3.67	1.93	5.52	3.85	1.95	5.90	3.94	1.97	6.08	4.38	1.98				
46.1	3.54	3.04	1.86	4.00	3.04	1.90	4.22	3.35	1.91	4.51	3.52	1.93	4.82	3.60	1.95	4.97	4.00	1.96				

# ● Indoor units: 7,000 Btu + 12,000 Btu

		Indoor temperature																	
°FDB		64			70			75			80			85			90		
°FWB		54			60			63			67			71			73		
Outdoor temperature	°FDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
		kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW
	14	15.12	11.76	0.73	17.08	11.74	0.70	18.01	12.95	0.71	19.28	13.59	0.72	20.61	13.90	0.73	21.25	15.45	0.73
	23	14.49	11.47	0.78	16.37	11.45	0.80	17.26	12.64	0.80	18.48	13.26	0.81	19.75	13.57	0.82	20.36	15.08	0.83
	32	14.24	11.35	0.86	16.09	11.34	0.88	16.96	12.51	0.89	18.16	13.12	0.90	19.41	13.43	0.91	20.01	14.92	0.91
	41	14.11	11.29	0.89	15.95	11.28	0.90	16.81	12.44	0.91	18.00	13.06	0.92	19.24	13.36	0.93	19.83	14.85	0.94
	50	14.24	11.35	0.90	16.09	11.34	0.92	16.96	12.51	0.92	18.16	13.12	0.93	19.41	13.43	0.94	20.01	14.92	0.95
	59	14.22	11.35	0.99	16.07	11.33	1.00	16.94	12.50	1.01	18.14	13.12	1.02	19.39	13.42	1.04	19.99	14.92	1.04
	67	17.63	12.90	1.43	19.92	12.89	1.46	21.00	14.22	1.47	22.48	14.92	1.49	24.03	15.26	1.50	24.78	16.96	1.51
	77	16.91	12.54	1.47	19.11	12.53	1.49	20.14	13.82	1.50	21.56	14.50	1.52	23.05	14.84	1.54	23.76	16.49	1.55
	87	15.87	12.04	1.63	17.93	12.02	1.66	18.90	13.26	1.67	20.24	13.92	1.69	21.63	14.24	1.71	22.30	15.83	1.72
	95	16.46	12.35	1.92	18.61	12.34	1.96	19.61	13.61	1.97	21.00	14.28	1.99	22.45	14.61	2.02	23.14	16.24	2.03
	104	15.01	11.71	1.92	16.97	11.69	1.96	17.89	12.90	1.97	19.15	13.54	1.99	20.47	13.85	2.02	21.10	15.39	2.03
	115	12.17	10.68	1.86	13.76	10.67	1.89	14.50	11.77	1.90	15.53	12.35	1.93	16.60	12.64	1.95	17.11	14.05	1.96

OUTDOOR UNIT (2-unit type)  
AOU18RLXFZH

OUTDOOR UNIT (2-unit type)  
AOU18RLXFZH

	Indoor temperature																		
	°CDB	17.8			21.1			23.9			26.7			29.4			32.2		
	°CWB	12.2			15.6			17.2			19.4			21.7			22.8		
Outdoor temperature	°CDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
		kW			kW			kW			kW			kW			kW		
	-10.0	4.43	3.45	0.73	5.01	3.44	0.70	5.28	3.80	0.71	5.65	3.98	0.72	6.04	4.08	0.73	6.23	4.53	0.73
	-5.0	4.25	3.36	0.78	4.80	3.36	0.80	5.06	3.70	0.80	5.42	3.89	0.81	5.79	3.98	0.82	5.97	4.42	0.83
	0.0	4.17	3.33	0.86	4.72	3.32	0.88	4.97	3.67	0.89	5.32	3.85	0.90	5.69	3.94	0.91	5.86	4.37	0.91
	5.0	4.14	3.31	0.89	4.67	3.31	0.90	4.93	3.65	0.91	5.27	3.83	0.92	5.64	3.92	0.93	5.81	4.35	0.94
	10.0	4.17	3.33	0.90	4.72	3.32	0.92	4.97	3.67	0.92	5.32	3.85	0.93	5.69	3.94	0.94	5.86	4.37	0.95
	15.0	4.17	3.33	0.99	4.71	3.32	1.00	4.97	3.66	1.01	5.32	3.84	1.02	5.68	3.93	1.04	5.86	4.37	1.04
	19.4	5.17	3.78	1.43	5.84	3.78	1.46	6.15	4.17	1.47	6.59	4.37	1.49	7.04	4.47	1.50	7.26	4.97	1.51
	25.0	4.96	3.68	1.47	5.60	3.67	1.49	5.90	4.05	1.50	6.32	4.25	1.52	6.76	4.35	1.54	6.97	4.83	1.55
	30.6	4.65	3.53	1.63	5.26	3.52	1.66	5.54	3.89	1.67	5.93	4.08	1.69	6.34	4.17	1.71	6.54	4.64	1.72
	35.0	4.83	3.62	1.92	5.45	3.62	1.96	5.75	3.99	1.97	6.15	4.19	1.99	6.58	4.28	2.02	6.78	4.76	2.03
	40.0	4.40	3.43	1.92	4.97	3.43	1.96	5.24	3.78	1.97	5.61	3.97	1.99	6.00	4.06	2.02	6.19	4.51	2.03
	46.1	3.57	3.13	1.86	4.03	3.13	1.89	4.25	3.45	1.90	4.55	3.62	1.93	4.86	3.70	1.95	5.01	4.12	1.96

# ● Indoor units: 9,000 Btu + 9,000 Btu

		Indoor temperature																				
		°FDB			64			70			75			80			85			90		
		°FWB			54			60			63			67			71			73		
Outdoor temperature	°FDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP			
		kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW			
	14	14.72	11.60	0.70	16.63	11.58	0.67	17.53	12.78	0.68	18.77	13.41	0.69	20.07	13.72	0.70	20.69	15.24	0.70			
	23	14.10	11.31	0.75	15.94	11.30	0.76	16.80	12.46	0.77	17.99	13.08	0.78	19.23	13.38	0.79	19.82	14.87	0.79			
	32	13.86	11.20	0.83	15.66	11.19	0.84	16.51	12.34	0.85	17.68	12.95	0.86	18.90	13.25	0.87	19.48	14.72	0.87			
	41	13.74	11.14	0.85	15.52	11.13	0.87	16.36	12.27	0.87	17.52	12.88	0.88	18.73	13.18	0.89	19.31	14.65	0.90			
	50	13.86	11.20	0.86	15.66	11.19	0.88	16.51	12.34	0.88	17.68	12.95	0.89	18.90	13.25	0.90	19.48	14.72	0.91			
	59	14.22	11.37	1.00	16.07	11.35	1.02	16.94	12.52	1.03	18.14	13.14	1.04	19.39	13.45	1.05	19.99	14.94	1.06			
	67	16.60	12.49	1.28	18.76	12.47	1.30	19.78	13.76	1.31	21.17	14.44	1.33	22.63	14.77	1.34	23.33	16.42	1.35			
	77	15.92	12.14	1.31	17.99	12.12	1.33	18.97	13.37	1.34	20.31	14.03	1.36	21.71	14.36	1.37	22.38	15.96	1.38			
	87	14.94	11.65	1.45	16.89	11.64	1.48	17.80	12.83	1.49	19.06	13.47	1.51	20.37	13.78	1.52	21.00	15.31	1.53			
	95	16.46	12.38	1.94	18.61	12.36	1.97	19.61	13.63	1.99	21.00	14.31	2.01	22.45	14.64	2.02	23.14	16.27	2.02			
	104	14.91	11.69	1.94	16.85	11.67	1.97	17.77	12.87	1.99	19.02	13.51	2.01	20.33	13.82	2.02	20.96	15.36	2.02			
	115	12.04	10.65	1.88	13.60	10.64	1.92	14.34	11.73	1.93	15.35	12.31	1.95	16.41	12.60	1.98	16.92	14.00	1.99			

		Indoor temperature																				
		17.8			21.1			23.9			26.7			29.4			32.2					
		°CWB			12.2			15.6			17.2			19.4			21.7			22.8		
Outdoor temperature	°CDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP			
		kW			kW			kW			kW			kW			kW					
	-10.0	4.31	3.40	0.70	4.87	3.39	0.67	5.14	3.74	0.68	5.50	3.93	0.69	5.88	4.02	0.70	6.06	4.47	0.70			
	-5.0	4.13	3.32	0.75	4.67	3.31	0.76	4.92	3.65	0.77	5.27	3.83	0.78	5.64	3.92	0.79	5.81	4.36	0.79			
	0.0	4.06	3.28	0.83	4.59	3.28	0.84	4.84	3.62	0.85	5.18	3.79	0.86	5.54	3.88	0.87	5.71	4.31	0.87			
	5.0	4.03	3.27	0.85	4.55	3.26	0.87	4.80	3.60	0.87	5.13	3.78	0.88	5.49	3.86	0.89	5.66	4.29	0.90			
	10.0	4.06	3.28	0.86	4.59	3.28	0.88	4.84	3.62	0.88	5.18	3.79	0.89	5.54	3.88	0.90	5.71	4.31	0.91			
	15.0	4.17	3.33	1.00	4.71	3.33	1.02	4.97	3.67	1.03	5.32	3.85	1.04	5.68	3.94	1.05	5.86	4.38	1.06			
	19.4	4.87	3.66	1.28	5.50	3.66	1.30	5.80	4.03	1.31	6.21	4.23	1.33	6.63	4.33	1.34	6.84	4.81	1.35			
	25.0	4.67	3.56	1.31	5.27	3.55	1.33	5.56	3.92	1.34	5.95	4.11	1.36	6.36	4.21	1.37	6.56	4.68	1.38			
	30.6	4.38	3.41	1.45	4.95	3.41	1.48	5.22	3.76	1.49	5.59	3.95	1.51	5.97	4.04	1.52	6.16	4.49	1.53			
35.0	4.83	3.63	1.94	5.45	3.62	1.98	5.75	4.00	1.99	6.15	4.19	2.01	6.58	4.29	2.02	6.78	4.77	2.02				
40.0	4.37	3.42	1.94	4.94	3.42	1.98	5.21	3.77	1.99	5.57	3.96	2.01	5.96	4.05	2.02	6.14	4.50	2.02				
46.1	3.53	3.12	1.88	3.99	3.12	1.92	4.20	3.44	1.93	4.50	3.61	1.95	4.81	3.69	1.98	4.96	4.10	1.99				

# ● Indoor units: 9,000 Btu + 12,000 Btu

OUTDOOR UNIT (2-unit  
type)  
AOU18RLXFZH

		Indoor temperature																				
		°FDB			64			70			75			80			85			90		
		°FWB			54			60			63			67			71			73		
Outdoor temperature	°FDB		TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP		
			kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW		
	14	15.31	12.02	0.76	17.31	12.00	0.73	18.24	13.24	0.74	19.53	13.89	0.75	20.88	14.22	0.76	21.52	15.80	0.76			
	23	14.68	11.72	0.82	16.58	11.71	0.83	17.48	12.92	0.84	18.72	13.55	0.85	20.01	13.87	0.86	20.63	15.41	0.86			
	32	14.42	11.61	0.90	16.30	11.59	0.92	17.18	12.79	0.92	18.39	13.42	0.93	19.66	13.73	0.95	20.27	15.26	0.95			
	41	14.29	11.55	0.93	16.15	11.53	0.94	17.03	12.72	0.95	18.23	13.35	0.96	19.49	13.66	0.97	20.09	15.18	0.98			
	50	14.42	11.61	0.94	16.30	11.59	0.95	17.18	12.79	0.96	18.39	13.42	0.97	19.66	13.73	0.98	20.27	15.26	0.99			
	59	14.91	11.84	1.11	16.85	11.82	1.13	17.77	13.04	1.14	19.02	13.68	1.15	20.34	14.00	1.16	20.96	15.56	1.17			
	67	18.38	13.42	1.59	20.77	13.40	1.62	21.90	14.78	1.63	23.45	15.51	1.65	25.06	15.87	1.67	25.84	17.64	1.68			
	77	17.63	13.04	1.63	19.93	13.03	1.65	21.00	14.37	1.67	22.49	15.08	1.69	24.04	15.43	1.71	24.78	17.14	1.71			
	87	16.55	12.52	1.80	18.70	12.50	1.84	19.71	13.79	1.85	21.10	14.47	1.87	22.56	14.81	1.89	23.26	16.45	1.90			
	95	16.46	12.53	1.95	18.61	12.52	1.98	19.61	13.81	2.00	21.00	14.49	2.02	22.45	14.83	2.03	23.14	16.48	2.03			
	104	14.76	11.76	1.91	16.68	11.75	1.95	17.58	12.96	1.96	18.83	13.60	1.98	20.12	13.91	2.01	20.75	15.46	2.02			
	115	11.99	10.76	1.88	13.55	10.75	1.92	14.28	11.86	1.93	15.29	12.44	1.95	16.35	12.73	1.98	16.85	14.15	1.99			

OUTDOOR UNIT (2-unit  
type)  
AOU18RLXFZH

		Indoor temperature																	
	°CDB	17.8			21.1			23.9			26.7			29.4			32.2		
	°CWB	12.2			15.6			17.2			19.4			21.7			22.8		
Outdoor temperature	°CDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
		kW			kW			kW			kW			kW			kW		
	-10.0	4.49	3.52	0.76	5.07	3.52	0.73	5.35	3.88	0.74	5.72	4.07	0.75	6.12	4.17	0.76	6.31	4.63	0.76
	-5.0	4.30	3.44	0.82	4.86	3.43	0.83	5.12	3.79	0.84	5.49	3.97	0.85	5.86	4.06	0.86	6.05	4.52	0.86
	0.0	4.23	3.40	0.90	4.78	3.40	0.92	5.03	3.75	0.92	5.39	3.93	0.93	5.76	4.02	0.95	5.94	4.47	0.95
	5.0	4.19	3.38	0.93	4.73	3.38	0.94	4.99	3.73	0.95	5.34	3.91	0.96	5.71	4.00	0.97	5.89	4.45	0.98
	10.0	4.23	3.40	0.94	4.78	3.40	0.95	5.03	3.75	0.96	5.39	3.93	0.97	5.76	4.02	0.98	5.94	4.47	0.99
	15.0	4.37	3.47	1.11	4.94	3.46	1.13	5.21	3.82	1.14	5.58	4.01	1.15	5.96	4.10	1.16	6.14	4.56	1.17
	19.4	5.39	3.93	1.59	6.09	3.93	1.62	6.42	4.33	1.63	6.87	4.55	1.65	7.35	4.65	1.67	7.57	5.17	1.68
	25.0	5.17	3.82	1.63	5.84	3.82	1.65	6.16	4.21	1.67	6.59	4.42	1.69	7.05	4.52	1.71	7.26	5.02	1.71
	30.6	4.85	3.67	1.80	5.48	3.66	1.84	5.78	4.04	1.85	6.19	4.24	1.87	6.61	4.34	1.89	6.82	4.82	1.90
	35.0	4.83	3.67	1.95	5.45	3.67	1.98	5.75	4.05	2.00	6.15	4.25	2.02	6.58	4.35	2.03	6.78	4.83	2.03
	40.0	4.33	3.45	1.91	4.89	3.44	1.95	5.15	3.80	1.96	5.52	3.99	1.98	5.90	4.08	2.01	6.08	4.53	2.02
	46.1	3.51	3.15	1.88	3.97	3.15	1.92	4.19	3.48	1.93	4.48	3.65	1.95	4.79	3.73	1.98	4.94	4.15	1.99

## 6-3. Heating capacity

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

### ■ Model: AOU18RLXFZH

- TC: Total Capacity, IP: Input Power
- The data is based on the following conditions:  
Pipe length: 24.6 ft (7.5 m), Height difference: 0 ft (0 m) [Outdoor unit—Indoor unit]

### ● Indoor units: 7,000 Btu

			Indoor temperature									
		°FDB	60		65		70		75		78	
Outdoor temperature	°FDB	°FWB	TC kBtu/h	IP kW	TC kBtu/h	IP kW	TC kBtu/h	IP kW	TC kBtu/h	IP kW	TC kBtu/h	IP kW
	-15	-17	5.93	1.07	5.79	1.09	5.65	1.11	5.50	1.14	5.36	1.16
	-5	-7	8.58	1.44	8.37	1.47	8.17	1.50	7.96	1.53	7.76	1.56
	5	3	10.89	1.72	10.63	1.76	10.37	1.79	10.11	1.83	9.85	1.86
	14	12	11.39	1.61	11.12	1.64	10.84	1.68	10.57	1.71	10.30	1.74
	23	19	12.05	1.50	11.77	1.53	11.48	1.56	11.19	1.59	10.90	1.63
	32	28	11.79	1.29	11.51	1.32	11.23	1.34	10.95	1.37	10.67	1.40
	41	37	11.92	1.11	11.63	1.14	11.35	1.16	11.07	1.18	10.78	1.21
	47	43	11.99	1.01	11.71	1.03	11.42	1.05	11.14	1.07	10.85	1.09
	50	47	12.43	1.01	12.13	1.03	11.84	1.05	11.54	1.07	11.24	1.09
	59	50	13.51	1.02	13.19	1.04	12.87	1.06	12.55	1.08	12.23	1.10
	68	59	13.73	1.00	13.40	1.03	13.08	1.05	12.75	1.07	12.42	1.09
75	65	13.95	0.99	13.62	1.01	13.28	1.03	12.95	1.06	12.62	1.08	

			Indoor temperature									
		°CDB	15.6		18.3		21.2		23.9		25.6	
Outdoor temperature	°CDB	°CWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kW		kW		kW		kW		kW	
	-26.1	-27.0	1.74	1.07	1.70	1.09	1.65	1.11	1.61	1.14	1.57	1.16
	-20.6	-21.7	2.51	1.44	2.45	1.47	2.39	1.50	2.33	1.53	2.27	1.56
	-15.0	-16.1	3.19	1.72	3.12	1.76	3.04	1.79	2.96	1.83	2.89	1.86
	-10.0	-11.1	3.34	1.61	3.26	1.64	3.18	1.68	3.10	1.71	3.02	1.74
	-5.0	-7.2	3.53	1.50	3.45	1.53	3.36	1.56	3.28	1.59	3.20	1.63
	0.0	-2.2	3.45	1.29	3.37	1.32	3.29	1.34	3.21	1.37	3.13	1.40
	5.0	2.8	3.49	1.11	3.41	1.14	3.33	1.16	3.24	1.18	3.16	1.21
	8.3	6.1	3.52	1.01	3.43	1.03	3.35	1.05	3.26	1.07	3.18	1.09
	10.0	8.3	3.64	1.01	3.56	1.03	3.47	1.05	3.38	1.07	3.30	1.09
	15.0	10.0	3.96	1.02	3.87	1.04	3.77	1.06	3.68	1.08	3.58	1.10
20.0	15.0	4.02	1.00	3.93	1.03	3.83	1.05	3.74	1.07	3.64	1.09	
23.9	18.3	4.09	0.99	3.99	1.01	3.89	1.03	3.80	1.06	3.70	1.08	

## ● Indoor units: 9,000 Btu

OUTDOOR UNIT (2-unit  
type)  
AOU18RLXFZH

		Indoor temperature										
		°FDB	60		65		70		75		78	
Outdoor temperature	°FDB	°FWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
	-15	-17	8.18	1.38	7.99	1.41	7.79	1.44	7.60	1.47	7.40	1.50
	-5	-7	11.84	1.87	11.56	1.90	11.27	1.94	10.99	1.98	10.71	2.02
	5	3	15.03	2.22	14.67	2.27	14.31	2.32	13.96	2.36	13.60	2.41
	14	12	15.72	2.08	15.34	2.13	14.97	2.17	14.59	2.21	14.22	2.26
	23	19	16.64	1.94	16.24	1.98	15.84	2.02	15.45	2.06	15.05	2.10
	32	28	16.27	1.67	15.88	1.70	15.50	1.74	15.11	1.77	14.72	1.81
	41	37	16.45	1.44	16.06	1.47	15.67	1.50	15.27	1.53	14.88	1.56
	47	43	16.55	1.30	16.16	1.33	15.77	1.36	15.37	1.39	14.98	1.41
	50	47	17.15	1.31	16.75	1.33	16.34	1.36	15.93	1.39	15.52	1.42
	59	50	18.65	1.31	18.21	1.34	17.76	1.37	17.32	1.40	16.88	1.42
68	59	18.95	1.30	18.50	1.33	18.05	1.35	17.60	1.38	17.15	1.41	
75	65	19.25	1.28	18.80	1.31	18.34	1.34	17.88	1.36	17.42	1.39	

OUTDOOR UNIT (2-unit  
type)  
AOU18RLXFZH

			Indoor temperature											
Outdoor temperature		°CDB	15.6		18.3		21.2		23.9		25.6			
	°CDB	°CWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP		
			kW		kW		kW		kW		kW			
			-26.1	-27.0	2.40	1.38	2.34	1.41	2.28	1.44	2.23	1.47	2.17	1.50
			-20.6	-21.7	3.47	1.87	3.39	1.90	3.30	1.94	3.22	1.98	3.14	2.02
	-15.0	-16.1	4.40	2.22	4.30	2.27	4.20	2.32	4.09	2.36	3.99	2.41		
	-10.0	-11.1	4.61	2.08	4.50	2.13	4.39	2.17	4.28	2.21	4.17	2.26		
	-5.0	-7.2	4.88	1.94	4.76	1.98	4.64	2.02	4.53	2.06	4.41	2.10		
	0.0	-2.2	4.77	1.67	4.66	1.70	4.54	1.74	4.43	1.77	4.31	1.81		
	5.0	2.8	4.82	1.44	4.71	1.47	4.59	1.50	4.48	1.53	4.36	1.56		
	8.3	6.1	4.85	1.30	4.74	1.33	4.62	1.36	4.51	1.39	4.39	1.41		
	10.0	8.3	5.03	1.31	4.91	1.33	4.79	1.36	4.67	1.39	4.55	1.42		
	15.0	10.0	5.47	1.31	5.34	1.34	5.21	1.37	5.08	1.40	4.95	1.42		
	20.0	15.0	5.55	1.30	5.42	1.33	5.29	1.35	5.16	1.38	5.03	1.41		
	23.9	18.3	5.64	1.28	5.51	1.31	5.37	1.34	5.24	1.36	5.11	1.39		

## ● Indoor units: 12,000 Btu

			Indoor temperature									
		°FDB	60		65		70		75		78	
Outdoor temperature	°FDB	°FWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
	-15	-17	9.35	1.72	9.13	1.75	8.91	1.79	8.68	1.83	8.46	1.86
	-5	-7	13.53	2.32	13.21	2.37	12.88	2.42	12.56	2.46	12.24	2.51
	5	3	17.18	2.76	16.77	2.82	16.36	2.88	15.95	2.94	15.54	3.00
	14	12	17.96	2.59	17.53	2.64	17.11	2.70	16.68	2.75	16.25	2.80
	23	19	19.01	2.41	18.56	2.46	18.11	2.51	17.65	2.56	17.20	2.61
	32	28	18.60	2.07	18.15	2.12	17.71	2.16	17.27	2.20	16.82	2.25
	41	37	18.80	1.79	18.35	1.83	17.90	1.87	17.46	1.90	17.01	1.94
	47	43	18.92	1.62	18.47	1.65	18.02	1.69	17.57	1.72	17.12	1.76
	50	47	19.60	1.62	19.14	1.66	18.67	1.69	18.20	1.73	17.74	1.76
	59	50	21.32	1.63	20.81	1.67	20.30	1.70	19.79	1.74	19.29	1.77
68	59	21.66	1.62	21.15	1.65	20.63	1.68	20.11	1.72	19.60	1.75	
75	65	22.00	1.60	21.48	1.63	20.96	1.66	20.43	1.70	19.91	1.73	

		Indoor temperature										
Outdoor temperature	°CDB	°CDB	15.6		18.3		21.2		23.9		25.6	
	°CWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	
		kW		kW		kW		kW		kW		
	-26.1	-27.0	2.74	1.72	2.68	1.75	2.61	1.79	2.54	1.83	2.48	1.86
	-20.6	-21.7	3.96	2.32	3.87	2.37	3.78	2.42	3.68	2.46	3.59	2.51
	-15.0	-16.1	5.03	2.76	4.91	2.82	4.79	2.88	4.67	2.94	4.55	3.00
	-10.0	-11.1	5.26	2.59	5.14	2.64	5.01	2.70	4.89	2.75	4.76	2.80
	-5.0	-7.2	5.57	2.41	5.44	2.46	5.31	2.51	5.17	2.56	5.04	2.61
	0.0	-2.2	5.45	2.07	5.32	2.12	5.19	2.16	5.06	2.20	4.93	2.25
	5.0	2.8	5.51	1.79	5.38	1.83	5.25	1.87	5.12	1.90	4.98	1.94
	8.3	6.1	5.54	1.62	5.41	1.65	5.28	1.69	5.15	1.72	5.02	1.76
	10.0	8.3	5.75	1.62	5.61	1.66	5.47	1.69	5.34	1.73	5.20	1.76
	15.0	10.0	6.25	1.63	6.10	1.67	5.95	1.70	5.80	1.74	5.65	1.77
	20.0	15.0	6.35	1.62	6.20	1.65	6.05	1.68	5.89	1.72	5.74	1.75
	23.9	18.3	6.45	1.60	6.30	1.63	6.14	1.66	5.99	1.70	5.83	1.73

## ● Indoor units: 7,000 Btu + 7,000 Btu

OUTDOOR UNIT (2-unit  
type)  
AOU18RLXFZH

			Indoor temperature									
		*FDB	60		65		70		75		78	
Outdoor temperature	°FDB	°FWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
	-15	-17	10.74	1.98	10.49	2.03	10.23	2.07	9.98	2.11	9.72	2.15
	-5	-7	15.54	2.68	15.17	2.73	14.80	2.79	14.43	2.85	14.06	2.90
	5	3	19.73	3.19	19.26	3.26	18.79	3.33	18.32	3.39	17.85	3.46
	14	12	20.64	2.99	20.14	3.05	19.65	3.11	19.16	3.18	18.67	3.24
	23	19	21.84	2.79	21.32	2.84	20.80	2.90	20.28	2.96	19.76	3.02
	32	28	21.36	2.39	20.85	2.44	20.35	2.49	19.84	2.54	19.33	2.59
	41	37	21.60	2.07	21.08	2.11	20.57	2.15	20.05	2.20	19.54	2.24
	47	43	21.74	1.87	21.22	1.91	20.70	1.95	20.18	1.99	19.67	2.03
	50	47	22.52	1.88	21.99	1.92	21.45	1.95	20.91	1.99	20.38	2.03
	59	50	24.49	1.89	23.91	1.93	23.32	1.97	22.74	2.01	22.16	2.05
68	59	24.88	1.87	24.29	1.91	23.70	1.94	23.11	1.98	22.51	2.02	
75	65	25.28	1.84	24.68	1.88	24.08	1.92	23.47	1.96	22.87	2.00	

OUTDOOR UNIT (2-unit  
type)  
AOU18RLXFZH

			Indoor temperature									
		°CDB	15.6		18.3		21.2		23.9		25.6	
Outdoor temperature	°CDB	°CWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kW		kW		kW		kW		kW	
	-26.1	-27.0	3.15	1.98	3.07	2.03	3.00	2.07	2.92	2.11	2.85	2.15
	-20.6	-21.7	4.56	2.68	4.45	2.73	4.34	2.79	4.23	2.85	4.12	2.90
	-15.0	-16.1	5.78	3.19	5.65	3.26	5.51	3.33	5.37	3.39	5.23	3.46
	-10.0	-11.1	6.05	2.99	5.90	3.05	5.76	3.11	5.62	3.18	5.47	3.24
	-5.0	-7.2	6.40	2.79	6.25	2.84	6.10	2.90	5.94	2.96	5.79	3.02
	0.0	-2.2	6.26	2.39	6.11	2.44	5.96	2.49	5.81	2.54	5.66	2.59
	5.0	2.8	6.33	2.07	6.18	2.11	6.03	2.15	5.88	2.20	5.73	2.24
	8.3	6.1	6.37	1.87	6.22	1.91	6.07	1.95	5.92	1.99	5.76	2.03
10.0	8.3	6.60	1.88	6.44	1.92	6.29	1.95	6.13	1.99	5.97	2.03	
15.0	10.0	7.18	1.89	7.01	1.93	6.84	1.97	6.66	2.01	6.49	2.05	
20.0	15.0	7.29	1.87	7.12	1.91	6.95	1.94	6.77	1.98	6.60	2.02	
23.9	18.3	7.41	1.84	7.23	1.88	7.06	1.92	6.88	1.96	6.70	2.00	

## ● Indoor units: 7,000 Btu + 9,000 Btu

			Indoor temperature									
		*FDB	60		65		70		75		78	
Outdoor temperature	°FDB	°FWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
	-15	-17	11.68	2.06	11.40	2.10	11.12	2.14	10.84	2.18	10.56	2.23
	-5	-7	16.89	2.77	16.49	2.83	16.09	2.89	15.69	2.95	15.28	3.01
	5	3	21.45	3.31	20.94	3.38	20.43	3.45	19.92	3.51	19.41	3.58
	14	12	22.43	3.10	21.90	3.16	21.36	3.23	20.83	3.29	20.29	3.36
	23	19	23.74	2.89	23.18	2.95	22.61	3.01	22.05	3.07	21.48	3.13
	32	28	23.22	2.48	22.67	2.53	22.12	2.58	21.56	2.64	21.01	2.69
	41	37	23.47	2.14	22.91	2.19	22.36	2.23	21.80	2.28	21.24	2.32
	47	43	23.63	1.94	23.06	1.98	22.50	2.02	21.94	2.06	21.38	2.10
	50	47	24.48	1.94	23.90	1.98	23.31	2.02	22.73	2.07	22.15	2.11
	59	50	26.62	1.96	25.99	2.00	25.35	2.04	24.72	2.08	24.08	2.12
68	59	27.05	1.93	26.40	1.97	25.76	2.01	25.12	2.05	24.47	2.09	
75	65	27.48	1.91	26.82	1.95	26.17	1.99	25.51	2.03	24.86	2.07	

			Indoor temperature									
		°CDB	15.6		18.3		21.2		23.9		25.6	
Outdoor temperature	°CDB	°CWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kW		kW		kW		kW		kW	
	-26.1	-27.0	3.42	2.06	3.34	2.10	3.26	2.14	3.18	2.18	3.10	2.23
	-20.6	-21.7	4.95	2.77	4.83	2.83	4.72	2.89	4.60	2.95	4.48	3.01
	-15.0	-16.1	6.29	3.31	6.14	3.38	5.99	3.45	5.84	3.51	5.69	3.58
	-10.0	-11.1	6.57	3.10	6.42	3.16	6.26	3.23	6.10	3.29	5.95	3.36
	-5.0	-7.2	6.96	2.89	6.79	2.95	6.63	3.01	6.46	3.07	6.30	3.13
	0.0	-2.2	6.81	2.48	6.64	2.53	6.48	2.58	6.32	2.64	6.16	2.69
	5.0	2.8	6.88	2.14	6.72	2.19	6.55	2.23	6.39	2.28	6.22	2.32
	8.3	6.1	6.92	1.94	6.76	1.98	6.59	2.02	6.43	2.06	6.26	2.10
	10.0	8.3	7.17	1.94	7.00	1.98	6.83	2.02	6.66	2.07	6.49	2.11
	15.0	10.0	7.80	1.96	7.62	2.00	7.43	2.04	7.24	2.08	7.06	2.12
20.0	15.0	7.93	1.93	7.74	1.97	7.55	2.01	7.36	2.05	7.17	2.09	
23.9	18.3	8.05	1.91	7.86	1.95	7.67	1.99	7.48	2.03	7.29	2.07	

## ● Indoor units: 7,000 Btu + 12,000 Btu

OUTDOOR UNIT (2-unit  
type)  
AOU18RLXFZH

		Indoor temperature										
		°FDB	60		65		70		75		78	
Outdoor temperature	°FDB	°FWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
	-15	-17	12.66	2.12	12.36	2.16	12.06	2.20	11.76	2.25	11.46	2.29
	-5	-7	18.32	2.86	17.88	2.92	17.45	2.97	17.01	3.03	16.58	3.09
	5	3	23.26	3.40	22.71	3.48	22.15	3.55	21.60	3.62	21.05	3.69
	14	12	24.32	3.19	23.74	3.25	23.17	3.32	22.59	3.39	22.01	3.45
	23	19	25.75	2.97	25.13	3.03	24.52	3.09	23.91	3.16	23.29	3.22
	32	28	25.18	2.55	24.58	2.61	23.98	2.66	23.38	2.71	22.78	2.77
	41	37	25.46	2.20	24.85	2.25	24.24	2.30	23.64	2.34	23.03	2.39
	47	43	25.62	2.00	25.01	2.04	24.40	2.08	23.79	2.12	23.18	2.16
	50	47	26.55	2.00	25.92	2.04	25.28	2.08	24.65	2.13	24.02	2.17
	59	50	28.87	2.01	28.18	2.05	27.49	2.10	26.80	2.14	26.12	2.18
68	59	29.33	1.99	28.63	2.03	27.94	2.07	27.24	2.11	26.54	2.16	
75	65	29.80	1.97	29.09	2.01	28.38	2.05	27.67	2.09	26.96	2.13	

OUTDOOR UNIT (2-unit  
type)  
AOU18RLXFZH

		Indoor temperature										
		°CDB	15.6		18.3		21.2		23.9		25.6	
Outdoor temperature	°CDB	°CWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kW		kW		kW		kW		kW	
	-26.1	-27.0	3.71	2.12	3.62	2.16	3.53	2.20	3.45	2.25	3.36	2.29
	-20.6	-21.7	5.37	2.86	5.24	2.92	5.11	2.97	4.99	3.03	4.86	3.09
	-15.0	-16.1	6.82	3.40	6.65	3.48	6.49	3.55	6.33	3.62	6.17	3.69
	-10.0	-11.1	7.13	3.19	6.96	3.25	6.79	3.32	6.62	3.39	6.45	3.45
	-5.0	-7.2	7.55	2.97	7.37	3.03	7.19	3.09	7.01	3.16	6.83	3.22
	0.0	-2.2	7.38	2.55	7.20	2.61	7.03	2.66	6.85	2.71	6.68	2.77
	5.0	2.8	7.46	2.20	7.28	2.25	7.11	2.30	6.93	2.34	6.75	2.39
	8.3	6.1	7.51	2.00	7.33	2.04	7.15	2.08	6.97	2.12	6.79	2.16
	10.0	8.3	7.78	2.00	7.60	2.04	7.41	2.08	7.22	2.13	7.04	2.17
	15.0	10.0	8.46	2.01	8.26	2.05	8.06	2.10	7.86	2.14	7.65	2.18
20.0	15.0	8.60	1.99	8.39	2.03	8.19	2.07	7.98	2.11	7.78	2.16	
23.9	18.3	8.73	1.97	8.53	2.01	8.32	2.05	8.11	2.09	7.90	2.13	

## ● Indoor units: 9,000 Btu + 9,000 Btu

		Indoor temperature										
		°FDB	60		65		70		75		78	
Outdoor temperature	°FDB	°FWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
	-15	-17	12.66	2.12	12.36	2.16	12.06	2.20	11.76	2.25	11.46	2.29
	-5	-7	18.32	2.86	17.88	2.92	17.45	2.97	17.01	3.03	16.58	3.09
	5	3	23.26	3.40	22.71	3.48	22.15	3.55	21.60	3.62	21.05	3.69
	14	12	24.32	3.19	23.74	3.25	23.17	3.32	22.59	3.39	22.01	3.45
	23	19	25.75	2.97	25.13	3.03	24.52	3.09	23.91	3.16	23.29	3.22
	32	28	25.18	2.55	24.58	2.61	23.98	2.66	23.38	2.71	22.78	2.77
	41	37	25.46	2.20	24.85	2.25	24.24	2.30	23.64	2.34	23.03	2.39
	47	43	25.62	2.00	25.01	2.04	24.40	2.08	23.79	2.12	23.18	2.16
	50	47	26.55	2.00	25.92	2.04	25.28	2.08	24.65	2.13	24.02	2.17
	59	50	28.87	2.01	28.18	2.05	27.49	2.10	26.80	2.14	26.12	2.18
68	59	29.33	1.99	28.63	2.03	27.94	2.07	27.24	2.11	26.54	2.16	
75	65	29.80	1.97	29.09	2.01	28.38	2.05	27.67	2.09	26.96	2.13	

		Indoor temperature										
Outdoor temperature		°CDB	15.6		18.3		21.2		23.9		25.6	
	°CDB	°CWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kW		kW		kW		kW		kW	
	-26.1	-27.0	3.71	2.12	3.62	2.16	3.53	2.20	3.45	2.25	3.36	2.29
	-20.6	-21.7	5.37	2.86	5.24	2.92	5.11	2.97	4.99	3.03	4.86	3.09
	-15.0	-16.1	6.82	3.40	6.65	3.48	6.49	3.55	6.33	3.62	6.17	3.69
	-10.0	-11.1	7.13	3.19	6.96	3.25	6.79	3.32	6.62	3.39	6.45	3.45
	-5.0	-7.2	7.55	2.97	7.37	3.03	7.19	3.09	7.01	3.16	6.83	3.22
	0.0	-2.2	7.38	2.55	7.20	2.61	7.03	2.66	6.85	2.71	6.68	2.77
	5.0	2.8	7.46	2.20	7.28	2.25	7.11	2.30	6.93	2.34	6.75	2.39
8.3	6.1	7.51	2.00	7.33	2.04	7.15	2.08	6.97	2.12	6.79	2.16	
10.0	8.3	7.78	2.00	7.60	2.04	7.41	2.08	7.22	2.13	7.04	2.17	
15.0	10.0	8.46	2.01	8.26	2.05	8.06	2.10	7.86	2.14	7.65	2.18	
20.0	15.0	8.60	1.99	8.39	2.03	8.19	2.07	7.98	2.11	7.78	2.16	
23.9	18.3	8.73	1.97	8.53	2.01	8.32	2.05	8.11	2.09	7.90	2.13	

# ● Indoor units: 9,000 Btu + 12,000 Btu

OUTDOOR UNIT (2-unit  
type)  
AOU18RLXFZH

		Indoor temperature										
		°FDB	60		65		70		75		78	
Outdoor temperature	°FDB	°FWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
	-15	-17	12.66	2.12	12.36	2.16	12.06	2.20	11.76	2.25	11.46	2.29
	-5	-7	18.32	2.86	17.88	2.92	17.45	2.97	17.01	3.03	16.58	3.09
	5	3	23.26	3.40	22.71	3.48	22.15	3.55	21.60	3.62	21.05	3.69
	14	12	24.32	3.19	23.74	3.25	23.17	3.32	22.59	3.39	22.01	3.45
	23	19	25.75	2.97	25.13	3.03	24.52	3.09	23.91	3.16	23.29	3.22
	32	28	25.18	2.55	24.58	2.61	23.98	2.66	23.38	2.71	22.78	2.77
	41	37	25.46	2.20	24.85	2.25	24.24	2.30	23.64	2.34	23.03	2.39
	47	43	25.62	2.00	25.01	2.04	24.40	2.08	23.79	2.12	23.18	2.16
	50	47	26.55	2.00	25.92	2.04	25.28	2.08	24.65	2.13	24.02	2.17
	59	50	28.87	2.01	28.18	2.05	27.49	2.10	26.80	2.14	26.12	2.18
68	59	29.33	1.99	28.63	2.03	27.94	2.07	27.24	2.11	26.54	2.16	
75	65	29.80	1.97	29.09	2.01	28.38	2.05	27.67	2.09	26.96	2.13	

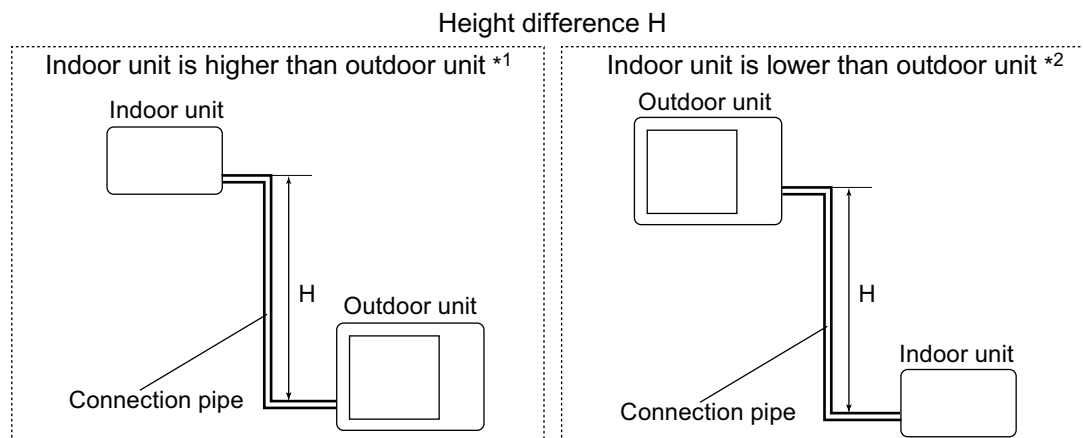
OUTDOOR UNIT (2-unit  
type)  
AOU18RLXFZH

		Indoor temperature										
		°CDB	15.6		18.3		21.2		23.9		25.6	
Outdoor temperature	°CDB	°CWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kW		kW		kW		kW		kW	
	-26.1	-27.0	3.71	2.12	3.62	2.16	3.53	2.20	3.45	2.25	3.36	2.29
	-20.6	-21.7	5.37	2.86	5.24	2.92	5.11	2.97	4.99	3.03	4.86	3.09
	-15.0	-16.1	6.82	3.40	6.65	3.48	6.49	3.55	6.33	3.62	6.17	3.69
	-10.0	-11.1	7.13	3.19	6.96	3.25	6.79	3.32	6.62	3.39	6.45	3.45
	-5.0	-7.2	7.55	2.97	7.37	3.03	7.19	3.09	7.01	3.16	6.83	3.22
	0.0	-2.2	7.38	2.55	7.20	2.61	7.03	2.66	6.85	2.71	6.68	2.77
	5.0	2.8	7.46	2.20	7.28	2.25	7.11	2.30	6.93	2.34	6.75	2.39
	8.3	6.1	7.51	2.00	7.33	2.04	7.15	2.08	6.97	2.12	6.79	2.16
10.0	8.3	7.78	2.00	7.60	2.04	7.41	2.08	7.22	2.13	7.04	2.17	
15.0	10.0	8.46	2.01	8.26	2.05	8.06	2.10	7.86	2.14	7.65	2.18	
20.0	15.0	8.60	1.99	8.39	2.03	8.19	2.07	7.98	2.11	7.78	2.16	
23.9	18.3	8.73	1.97	8.53	2.01	8.32	2.05	8.11	2.09	7.90	2.13	

## 7. Capacity compensation rate for pipe length and height difference

OUTDOOR UNIT (2-unit type)  
AOU18RLXFZH

OUTDOOR UNIT (2-unit type)  
AOU18RLXFZH



### 7-1. Model: AOU18RLXFZH

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

#### ■ Indoor unit: 7,000 Btu

COOLING		Pipe length							
			m	5	7.5	10	15	20	25
		m	ft	16	25	33	49	66	82
Height difference H	Indoor unit is higher than outdoor unit *1	15	49	-	-	-	0.956	0.942	0.928
		10	33	-	-	0.977	0.963	0.950	0.936
		7.5	25	-	0.988	0.981	0.967	0.953	0.940
		5	16	0.995	0.992	0.985	0.971	0.957	0.943
		0	0	1.003	1.000	0.993	0.979	0.965	0.951
	Indoor unit is lower than outdoor unit *2	-5	-16	1.003	1.000	0.993	0.979	0.965	0.951
		-7.5	-25	-	1.000	0.993	0.979	0.965	0.951
		-10	-33	-	-	0.993	0.979	0.965	0.951
-15		-49	-	-	-	0.979	0.965	0.951	

HEATING		Pipe length							
			m	5	7.5	10	15	20	25
		m	ft	16	25	33	49	66	82
Height difference H	Indoor unit is higher than outdoor unit *1	15	49	-	-	-	0.977	0.958	0.939
		10	33	-	-	0.993	0.977	0.958	0.939
		7.5	25	-	1.000	0.993	0.977	0.958	0.939
		5	16	0.990	1.000	0.993	0.977	0.958	0.939
		0	0	0.990	1.000	0.993	0.977	0.958	0.939
	Indoor unit is lower than outdoor unit *2	-5	-16	0.985	0.995	0.988	0.972	0.953	0.934
		-7.5	-25	-	0.993	0.986	0.970	0.951	0.932
		-10	-33	-	-	0.983	0.967	0.948	0.930
-15		-49	-	-	-	0.962	0.944	0.925	

## Indoor unit: 9,000 Btu

OUTDOOR UNIT (2-unit type)  
AOU18RLXFZH

OUTDOOR UNIT (2-unit type)  
AOU18RLXFZH

COOLING		Pipe length							
			m	5	7.5	10	15	20	25
		m	ft	16	25	33	49	66	82
Height difference H	Indoor unit is higher than outdoor unit *1	15	49	-	-	-	0.956	0.942	0.928
		10	33	-	-	0.977	0.963	0.950	0.936
		7.5	25	-	0.988	0.981	0.967	0.953	0.940
		5	16	0.999	0.992	0.985	0.971	0.957	0.943
		0	0	1.007	1.000	0.993	0.979	0.965	0.951
	Indoor unit is lower than outdoor unit *2	-5	-16	1.007	1.000	0.993	0.979	0.965	0.951
		-7.5	-25	-	1.000	0.993	0.979	0.965	0.951
		-10	-33	-	-	0.993	0.979	0.965	0.951
		-15	-49	-	-	-	0.979	0.965	0.951

HEATING		Pipe length							
			m	5	7.5	10	15	20	25
		m	ft	16	25	33	49	66	82
Height difference H	Indoor unit is higher than outdoor unit *1	15	49	-	-	-	0.977	0.958	0.939
		10	33	-	-	0.993	0.977	0.958	0.939
		7.5	25	-	1.000	0.993	0.977	0.958	0.939
		5	16	0.993	1.000	0.993	0.977	0.958	0.939
		0	0	0.993	1.000	0.993	0.977	0.958	0.939
	Indoor unit is lower than outdoor unit *2	-5	-16	0.988	0.995	0.988	0.972	0.953	0.934
		-7.5	-25	-	0.993	0.986	0.970	0.951	0.932
		-10	-33	-	-	0.983	0.967	0.948	0.930
		-15	-49	-	-	-	0.962	0.944	0.925

## Indoor unit: 12,000 Btu

COOLING		Pipe length							
			m	5	7.5	10	15	20	25
		m	ft	16	25	33	49	66	82
Height difference H	Indoor unit is higher than outdoor unit *1	15	49	-	-	-	0.933	0.899	0.859
		10	33	-	-	0.970	0.940	0.906	0.866
		7.5	25	-	0.988	0.974	0.944	0.910	0.869
		5	16	1.006	0.992	0.978	0.948	0.913	0.873
		0	0	1.014	1.000	0.986	0.956	0.921	0.880
	Indoor unit is lower than outdoor unit *2	-5	-16	1.014	1.000	0.986	0.956	0.921	0.880
		-7.5	-25	-	1.000	0.986	0.956	0.921	0.880
		-10	-33	-	-	0.986	0.956	0.921	0.880
		-15	-49	-	-	-	0.956	0.921	0.880

HEATING		Pipe length							
			m	5	7.5	10	15	20	25
		m	ft	16	25	33	49	66	82
Height difference H	Indoor unit is higher than outdoor unit *1	15	49	-	-	-	0.975	0.957	0.940
		10	33	-	-	0.990	0.975	0.957	0.940
		7.5	25	-	1.000	0.990	0.975	0.957	0.940
		5	16	0.995	1.000	0.990	0.975	0.957	0.940
		0	0	0.995	1.000	0.990	0.975	0.957	0.940
	Indoor unit is lower than outdoor unit *2	-5	-16	0.990	0.995	0.985	0.970	0.952	0.936
		-7.5	-25	-	0.993	0.983	0.968	0.950	0.934
		-10	-33	-	-	0.980	0.965	0.947	0.931
		-15	-49	-	-	-	0.960	0.943	0.926

## 8. Additional charge calculation

### 8-1. Model: AOU18RLXFZH

Refrigerant type		R410A
Refrigerant amount	lb oz	4 lb 3 oz
	g	1,900

#### ■ Refrigerant charge

Total pipe length	ft	98 or less	131	164 (Max.)	0.21 oz/ft (20 g/m)
	m	30 or less	40	50 (Max.)	
Additional charge	lb oz	0	7.1 oz	14.1 oz	
	g	0	200	400	

## 9. Airflow

### 9-1. Model: AOU18RLXFZH

#### ● Cooling

m <sup>3</sup> /h	2,800
l/s	778
CFM	1,647

#### ● Heating

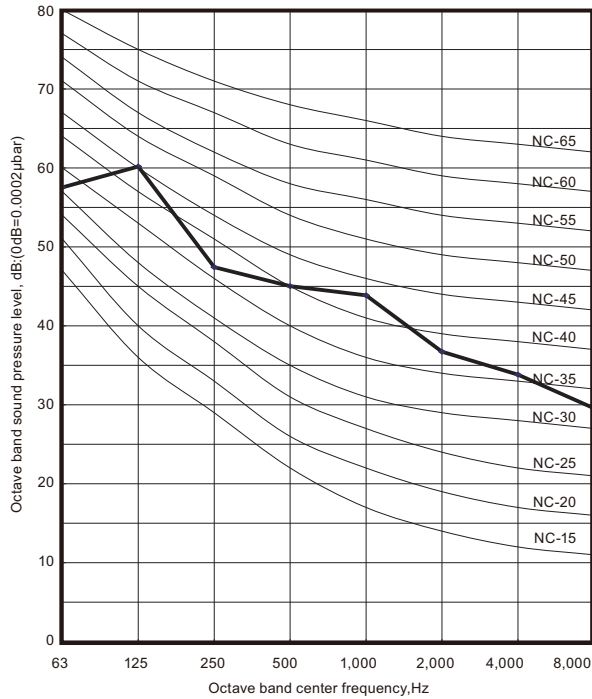
m <sup>3</sup> /h	2,800
l/s	778
CFM	1,647

## 10. Operation noise (sound pressure)

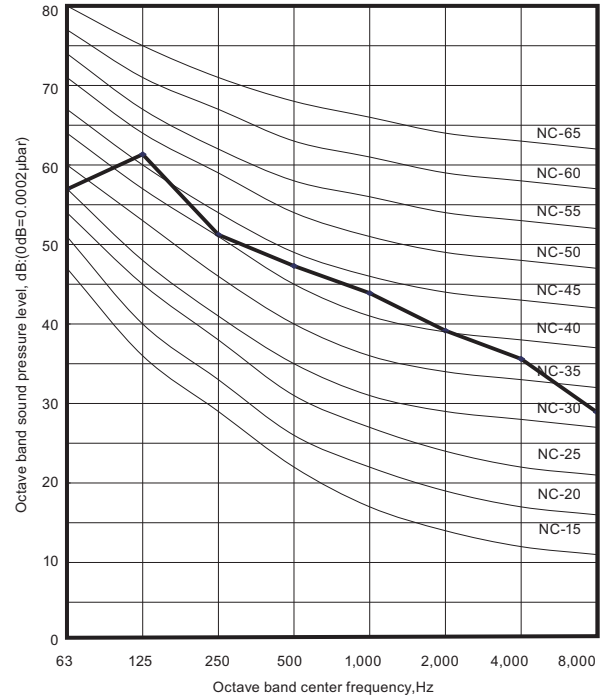
### 10-1. Noise level curve

#### Model: AOU18RLXFZH

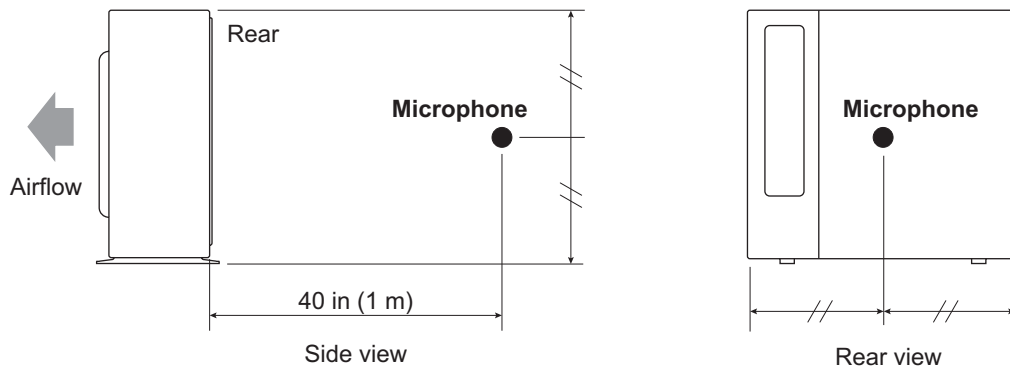
##### Cooling



##### Heating



### 10-2. Sound level check point



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

## 11. Electrical characteristics

Item		Unit	Model name
			AOU18RLXFZH
Power supply	Voltage	V	208/230 ~
	Frequency	Hz	60
MCA *1		A	19.7
Starting current		A	7.9
Wiring spec. *2	MAX. CKT. BKR *3	A	20
	Power cable	AWG	12
	Connection cable	AWG	14

\*1: Minimum Circuit Ampacity (Calculation based on UL1995)

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

\*3: Maximum Circuit Breaker


## 12. Safety devices

Type of protection	Protection form		Model
			AOU18RLXFZH
Circuit protection	Current fuse (Main PCB)		250 V, 5 A
	Current fuse (Near the terminal)		250 V, 3.15 A
Fan motor protection	Temperature thermistor	Activate	250 V, 10 A
		Reset	251 ±16 °F (122 ±9 °C) Fan motor stop
Compressor protection	Temperature thermistor	Activate	240 <sup>+18</sup> <sub>-16</sub> °F (116 <sup>+10</sup> <sub>-9</sub> °C) Fan motor restart
		Reset	226 ±4 °F (108 ±2 °C) Compressor stop
	Thermal protection program (Outdoor temp.)*	Activate	176 ±4 °F (80 ±2 °C) Compressor restart
		Reset	-15 °C Compressor stop
Refrigerant circuit protection	Pressure switch 1	Activate	—
		Reset	609 ±15 PSI (4.2 ±0.1 MPa)
			464 ±22 PSI (3.2 ±0.15 MPa)

Pressure switch 2: For control device. (Refer to the wiring diagram.)

\*: Only for cooling or dry operation.

13. Accessories

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

OUTDOOR UNIT (2-unit type)  
AOU18RLXFZH

OUTDOOR UNIT (2-unit type)  
AOU18RLXFZH

## 14. Outdoor unit installation precautions

**NOTE:** The information listed below are general precautions.  
Some models also include items that do not apply.

### 14-1. Points to remember when installing

- The product shall be installed at a place which can withstand the weight and vibration of the outdoor unit.
- To allow maintenance after refrigerant piping, drain piping, and the connection/installation of electric wiring, provide an maintenance space.  
Maintenance space is shown in ["Installation space"](#) on page 229.
- Be careful when installing the set at the following places.

Condition	Contents	Countermeasures (Reference)
When installed near adjacent houses.	Perform installation work so that operating sound does not disturb the neighbors.	<ol style="list-style-type: none"> <li>1. Install a soundproof barrier.</li> <li>2. Change the installation site.</li> </ol>
When there is the possibility of strong wind.	<ul style="list-style-type: none"> <li>• If the outdoor unit is exposed to strong wind, capacity may drop, frost may form during heating, and operation may be stopped by high pressure rise. In addition, when a very strong wind blows, the fan may be damaged.</li> <li>• When a very strong wind blows, there is the possibility of the outdoor unit being toppled over if held only by foundation bolts.</li> </ul>	<ol style="list-style-type: none"> <li>1. Install the outdoor unit with keeping a sufficient distance between the outlet side of the unit and a facing wall or fence.</li> <li>2. Make the outlet direction and wind direction perpendicular.</li> <li>3. Fasten the outdoor unit using toppling prevention hardware (purchased locally).</li> </ol>
When snow accumulates.	If the outdoor unit is covered by accumulated snow, it may not be able to operate.	<ol style="list-style-type: none"> <li>1. Make the foundation as high as possible.</li> <li>2. Perform snow prevention work.</li> </ol>
When installing the inverter type.	It may generate noise in TV sets, stereos and PCs.	The inverter type should be installed at a sufficient distance from these equipments.

# **Part 3. OUTDOOR UNIT (3 UNITS TYPE)**

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**MULTI-SPLIT TYPE:  
AOU24RLXFZH**

# 1. Specifications

Type				Inverter heat pump					
Model name				AOU24RLXFZH					
Power source				1Ø 208/230 V 60 Hz					
Available voltage range				187—264V					
Connectable indoor unit			Number		2 to 3				
			Total capacity range		14,000 to 27,000 Btu/h				
Combination of indoor unit				Non-duct ASU9RLF1 + ASU7RLF1 × 2		Duct ADUH09LUAS1+ADUH07LU- AS1 × 2		Mix	
Capacity	Cooling	Rated	Btu/h	22,000					
			kW	6.42					
		Min.—Max.	Btu/h	6,100—27,000					
			kW	1.8—7.9					
		Heating	Rated	Btu/h	25,000				
				kW	7.33				
	Min.—Max.		Btu/h	6,800—29,800					
			kW	2.0—8.7					
	Heating (17°F)*1	Rated	Btu/h	15,400					
			kW	4.51					
		Min.—Max.	Btu/h	4,200—26,300					
			kW	1.23—7.71					
Heating (5°F)*2		Rated	Btu/h	25,600					
			kW	7.5					
	Min.—Max.	Btu/h	4,100—25,600						
		kW	1.20—7.50						
Input power	Cooling	Rated	kW	1.65	1.81	—			
		Max.		2.20	2.29	—			
	Heating	Rated		1.81	1.89	—			
		Max.		2.85	2.93	—			
	Heating (17°F)*1	Rated		1.74	1.85	—			
		Max.		3.65		—			
	Heating (5°F)*2	Rated		3.64		—			
		Max.		3.64		—			
Current	Cooling	Rated	A	7.2	7.9	7.6			
	Heating		7.9	8.3	8.1				
EER2	Cooling	Rated	Btu/hW	13.30	12.10	12.70			
SEER2	Cooling		Btu/hW	20.00	17.80	18.90			
COP2	Heating	Rated	kW/kW	4.04	3.88	3.96			
HSPF2	Heating		Btu/hW	10.00	9.20	9.60			
Power factor	Cooling	Rated	%	99.6		—			
	Heating		99.6	99.0	—				
Starting current			A	8.3					
Maximum operating current*3			A	20.8					
Fan	Type × Qty			Propeller × 1					
	Airflow rate	Cooling		CFM (m³/h)	1,942 (3,300)				
		Heating			1,942 (3,300)				
	Motor	Type × Qty			DC motor × 1				
Output		W	100						
Sound pressure level*4		Cooling	Rated	dB (A)	50				
		Heating			52				
Heat exchanger		Dimension (H × W × D)		in (mm)	31-7/16 × 35-7/16 × 1-7/16 (798 × 900 × 36.38)				
		Fin pitch		FPI	20				
		Rows × Stages			2 × 38				
		Pipe type (Material)			Grooved H-pin (Copper)				
		Fin	Type (Material)		Corrugate (Aluminum)				
Surface treatment			Corrosion resistance (Blue Fin)						
Compressor	Type			DC twin rotary					
	Motor output		W	2,100					
Refrigerant		Type		R410A					
		Charge		lb (g)	4 lb 14 oz (2,200)				
Refrigerant oil		Type		RB68					
		Amount		in³ (cm³)	48.8 (800)				
Enclosure		Material			Painted galvanized steel				
		Color			Beige (Approximate color of Munsell 10YR 7.5/1.0 NN)				
Dimensions	Net	(H × W × D)		in (mm)	32-11/16 × 35-7/16 × 13 (830 × 900 × 330)				
	Gross				39-3/8 × 41-5/16 × 17-1/2 (1,000 × 1,050 × 445)				
Weight	Net			lb (kg)	146 (66)				
	Gross				163 (74)				
Connection pipe	Size	Liquid	in (mm)	Ø1/4 (Ø6.35) × 3					
		Gas		Ø3/8 (Ø9.52) × 2 + Ø1/2 (Ø12.7) × 1					
	Method		ft (m)	Flare					
	Pre-charge length (Total)			98 (30)					
	Max. length (Total)			229 (70)					
	Max. length (Each)			82 (25)					
	Min. length (Total)			49 (15)					
	Min. length (Each)			16 (5)					
	Max. height difference between outdoor unit and each indoor units			49 (15)					
	Max. height difference between indoor units			33 (10)					
Operation range		Cooling		14 to 115 (-10 to 46)					
		Heating		-15 to 75 (-26 to 24)					

OUTDOOR UNIT (3-unit type)  
AOU24RLXFZH

OUTDOOR UNIT (3-unit type)  
AOU24RLXFZH

Type	Inverter heat pump
Model name	AOU24RLXFZH
<b>NOTES:</b> <ul style="list-style-type: none"> <li>Specifications are based on the following conditions: <ul style="list-style-type: none"> <li>Cooling: Indoor temperature of 80°FDB (26.7°CDB)/67°FWB (19.4°CWB), and outdoor temperature of 95 °FDB (35°CDB)/75°FWB (23.9°CWB).</li> <li>Heating: Indoor temperature of 70°FDB (21.1°CDB)/60°FWB (15.6°CWB), and outdoor temperature of 47 °FDB (8.3°CDB)/43°FWB (6.1°CWB).</li> <li>*1: Heating (17°F): Indoor temperature of 70°FDB (21.11°CDB) /60°FWB (15.56°CWB), and outdoor temperature of 17°FDB (-8.33°CDB) /15°FWB (-9.44°CWB).</li> <li>*2: Heating (5°F): Indoor temperature of 70°FDB (21.11°CDB)/60°FWB (15.56°CWB), and outdoor temperature of 5°FDB (-15.0°CDB)/4°FWB (-15.56°CWB).</li> <li>Test conditions are based on AHRI 210/240 2023.</li> <li>Pipe length: 24.6 ft (7.5 m), Height difference: 0 ft (0 m). (Between outdoor unit and indoor unit.)</li> </ul> </li> <li>Protective function might work when using it outside the operation range.</li> <li>*3: Maximum current: <ul style="list-style-type: none"> <li>The maximum value when operated within the operation range.</li> <li>The total current of indoor unit and outdoor unit.</li> </ul> </li> <li>*4: Sound pressure level: <ul style="list-style-type: none"> <li>Measured values in manufacturer's anechoic chamber.</li> <li>Because of the surrounding sound environment, the sound levels measured in actual installation conditions might be higher than the specified values here.</li> </ul> </li> </ul>	

M condition								
Model name				AOU24RLXFZH				
Capacity	Cooling	Rated	Btu/h	22,000				
			kW	6.42				
		Min.—Max.	Btu/h	6,100—27,000				
			kW	1.8—7.9				
	Heating	Rated	Btu/h	25,000				
			kW	7.33				
		Min.—Max.	Btu/h	6,800—29,800				
			kW	2.0—8.7				
	Heating (17°F)*	Rated	Btu/h	15,400				
			kW	4.51				
		Min.—Max.	Btu/h	4,200—26,300				
			kW	1.23—7.71				
Input power	Cooling	Rated	kW	1.65	1.81	—		
		Max.		2.20	2.29	—		
	Heating	Rated		1.81	1.89	—		
		Max.		2.85	2.93	—		
	Heating (17°F)*	Rated		1.74	1.85	—		
		Max.		3.65		—		
	Current	Cooling		Rated	A	7.2	7.9	7.6
		Heating				7.9	8.3	8.1
EER	Cooling	Rated	Btu/hW	13.30	12.10	12.70		
SEER	Cooling		Btu/hW	20.00	18.00	19.00		
COP	Heating	Rated	kW/kW	4.04	3.87	3.96		
HSPF	Heating		Btu/hW	10.30	9.00	9.70		
Power factor	Cooling	Rated	%	99.7	98.5	—		
	Heating			98.5		—		
NOTES:								
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OUTDOOR UNIT (3-unit type)  
AOU24RLXFZH

OUTDOOR UNIT (3-unit type)  
AOU24RLXFZH

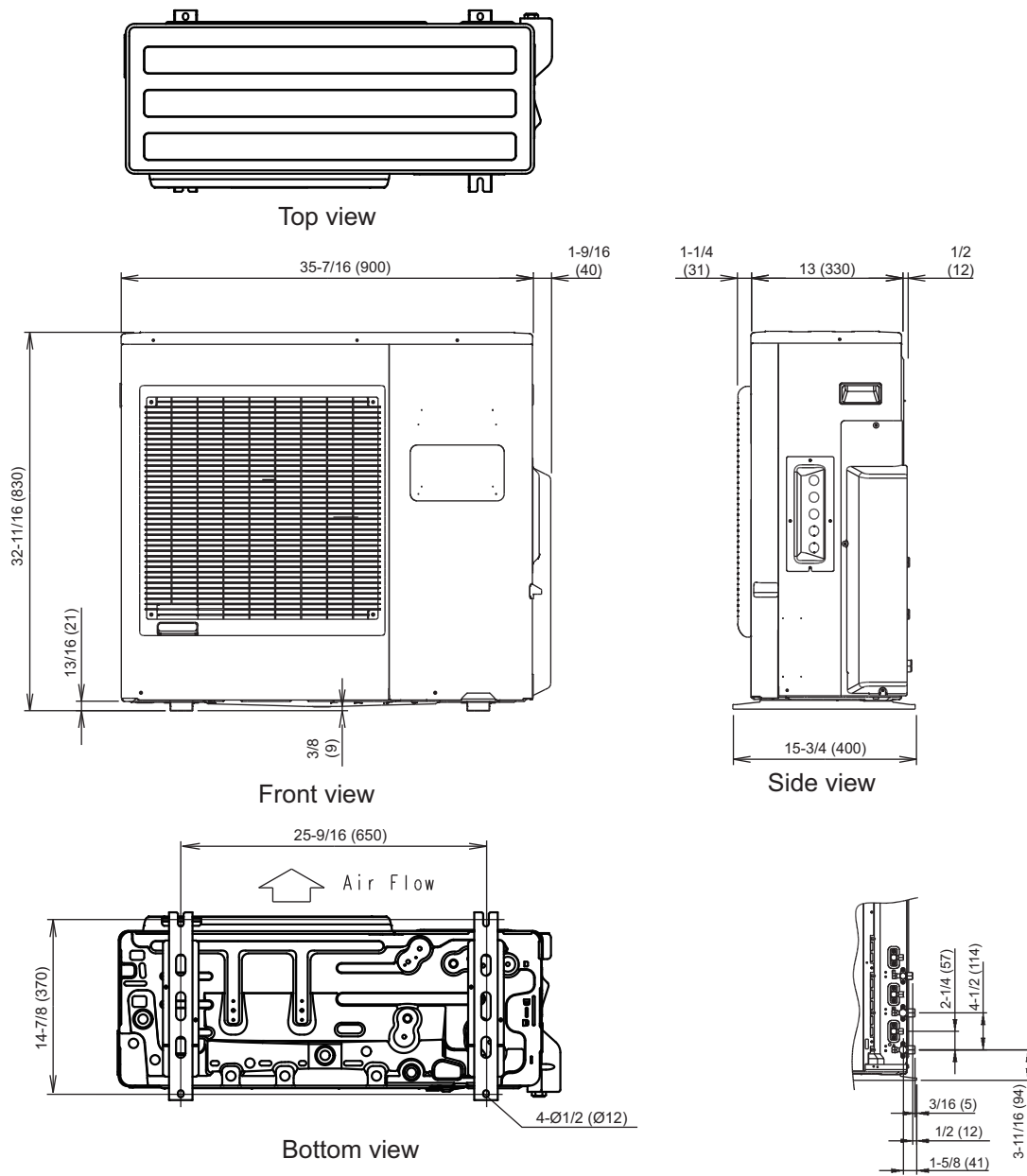
## 2. Dimensions

### 2-1. Model: AOU24RLXFZH

Unit: in (mm)

OUTDOOR UNIT (3-unit  
type)  
AOU24RLXFZH

OUTDOOR UNIT (3-unit  
type)  
AOU24RLXFZH



## 3. Installation space

### 3-1. Model: AOU24RLXFZH

#### ■ Space requirement

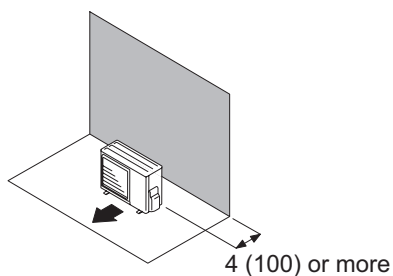
Provide sufficient installation space for product safety.

#### ● Single outdoor unit installation

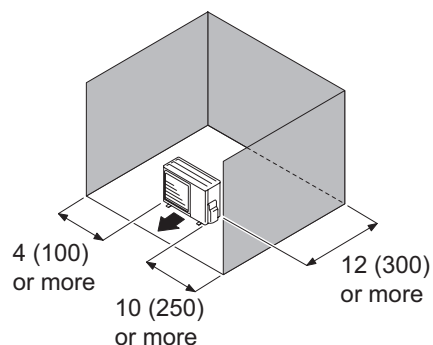
- When the upper space is open:

Unit: in (mm)

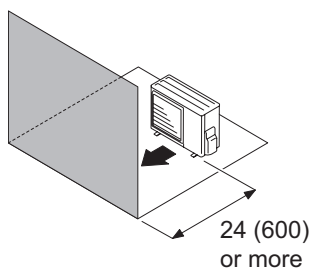
When there are obstacles at the rear only.



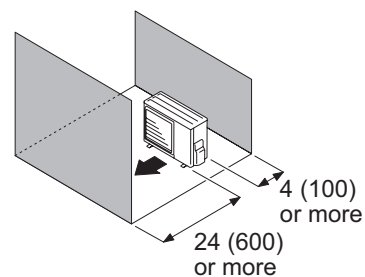
When there are obstacles at the rear and sides.



When there are obstacles at the front only.



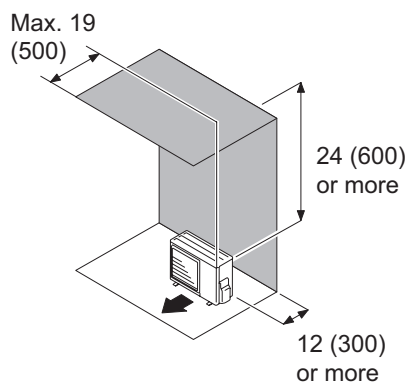
When there are obstacles at the front and rear.



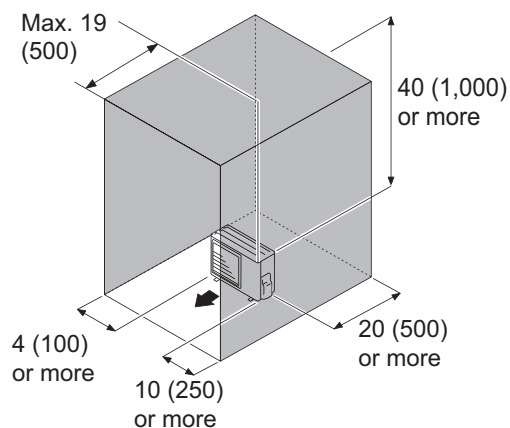
- When there is an obstruction in the upper space:

Unit: in (mm)

When there are obstacles at the rear and above.



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

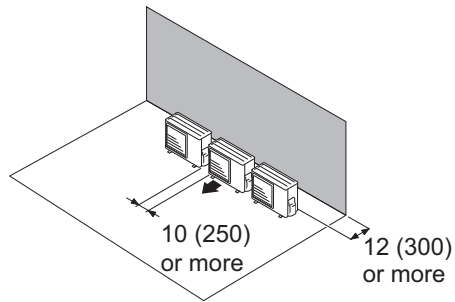


## ● Multiple outdoor unit installation

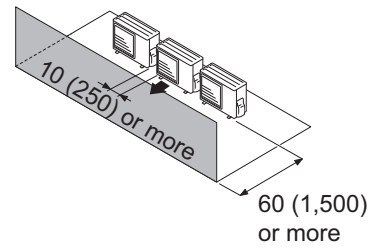
- When the upper space is open:

Unit: in (mm)

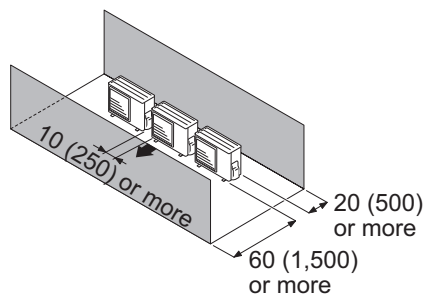
When there are obstacles at the rear only.



When there are obstacles at the front only.



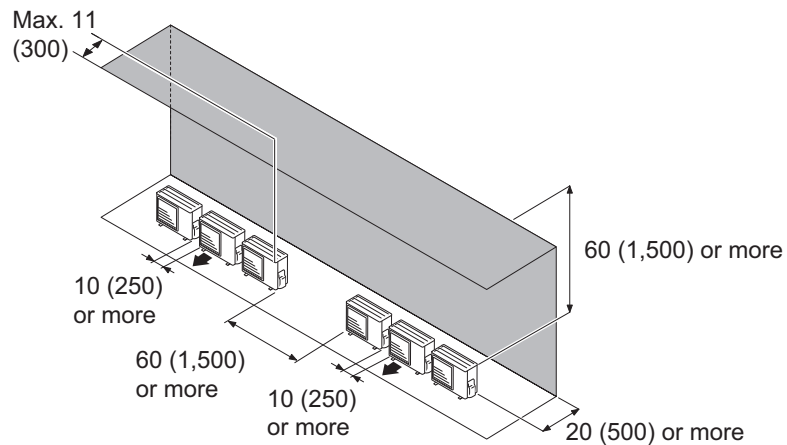
When there are obstacles at the front and rear.



- When there is an obstruction in the upper space:

Unit: in (mm)

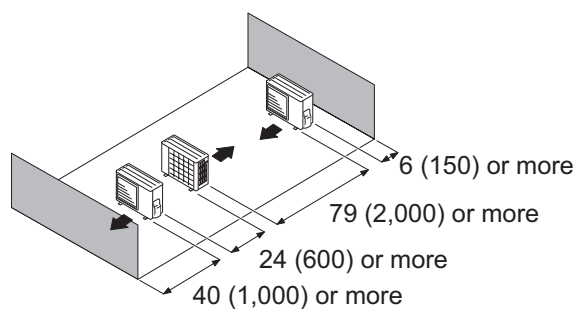
When there are obstacles at the rear and above.



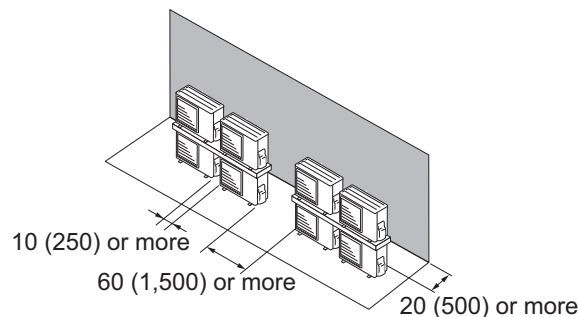
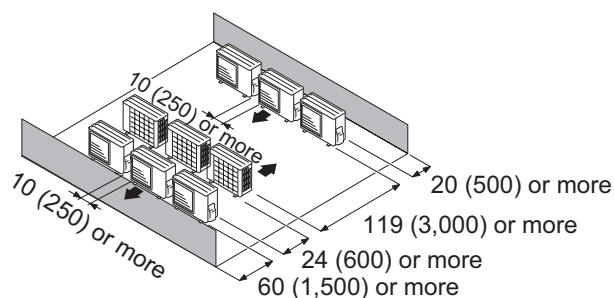
## ● Outdoor unit installation in multi-row

Unit: in (mm)

Single parallel unit arrangement



Multiple parallel unit arrangement

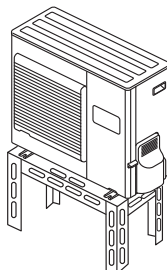


### NOTES:

- If the space is larger than stated above, the condition will be the same as when there is no obstacle.
- Height above the floor level should be 2 in (50 mm) or more.
- When installing the outdoor unit, be sure to open the front and left side to obtain better operation efficiency.

### ⚠ CAUTION

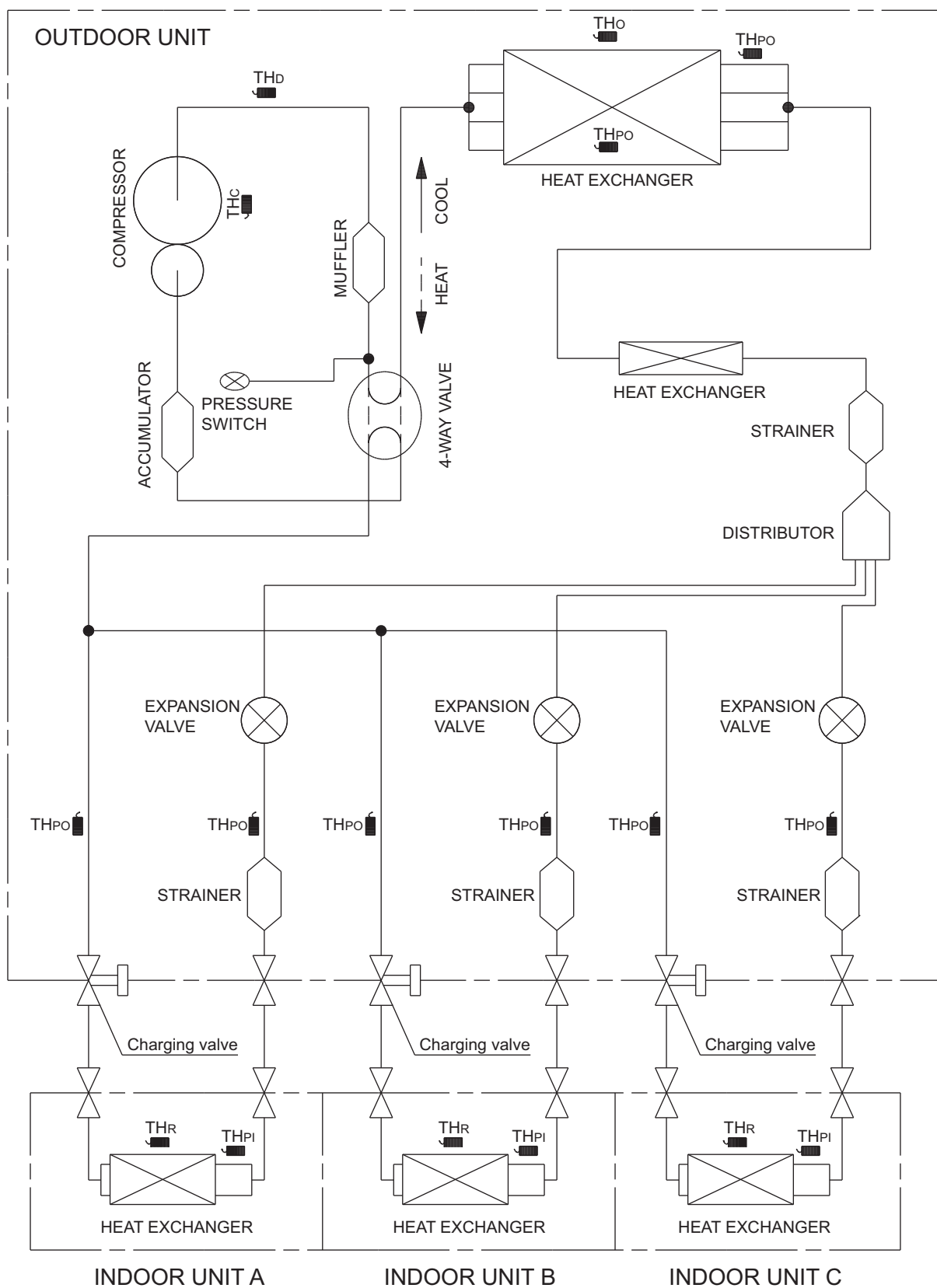
- Do not install the outdoor unit in two-stage where the drain water could freeze. Otherwise the drainage from the upper unit may form ice and cause a malfunction of the lower unit.
- When the outdoor temperature is 32 °F (0 °C) or less, do not use the accessory drain pipe and drain cap. If the drain pipe and drain cap are used, the drain water in the pipe may freeze in extremely cold climate. (For reverse cycle model only.)
- In area with heavy snowfall, if the inlet and outlet of the outdoor unit is blocked with snow, it might become difficult to get warm, and it is likely to cause product malfunction. Construct a canopy and a pedestal, or place the unit on a high stand that is locally installed.



## 4. Refrigerant circuit

### 4-1. Model: AOU24RLXFZH

OUTDOOR UNIT (3-unit  
type)  
AOU24RLXFZH



OUTDOOR UNIT (3-unit  
type)  
AOU24RLXFZH

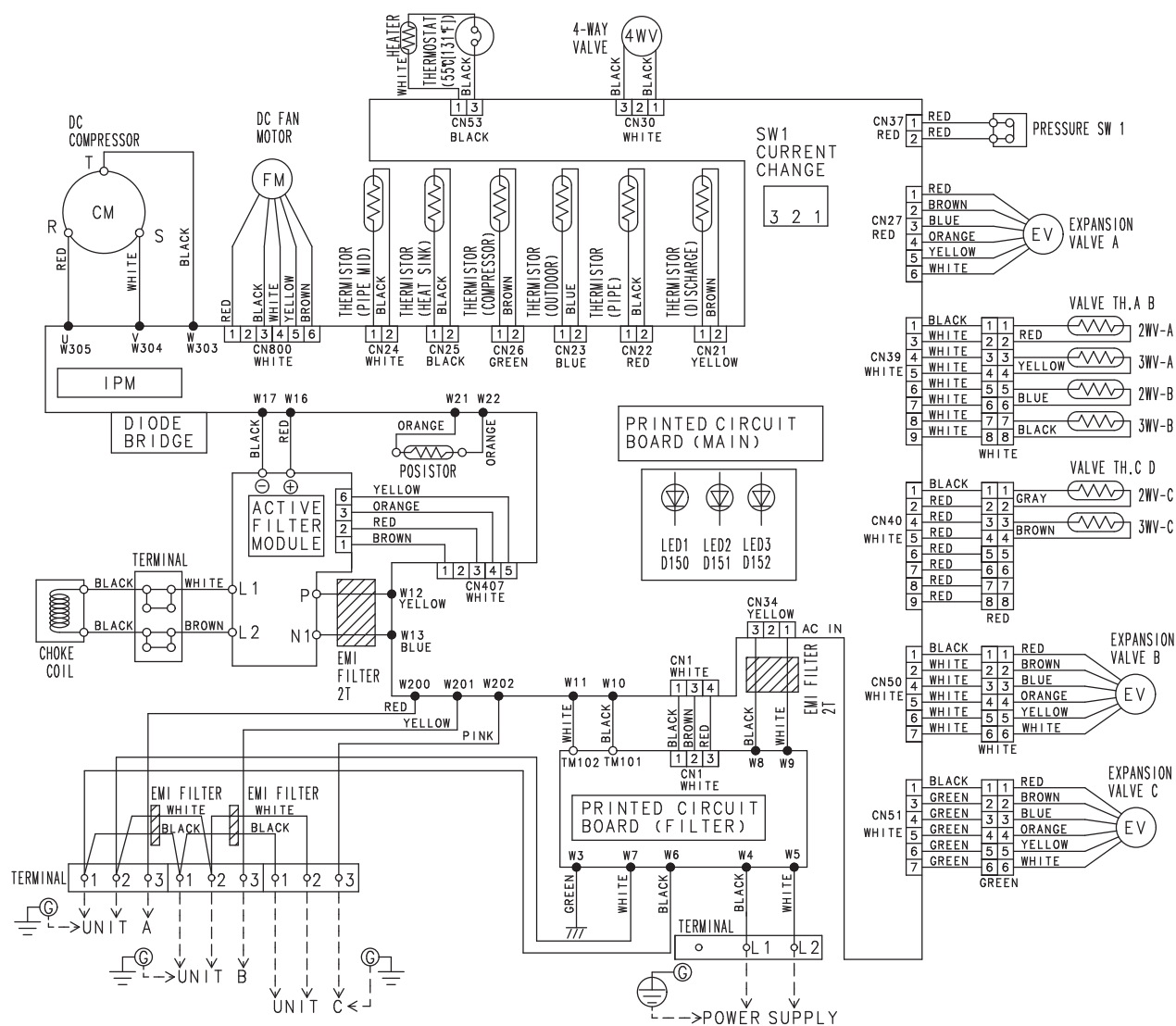
THD : Thermistor (Discharge temperature)  
 THO : Thermistor (Outdoor temperature)  
 THPo : Thermistor (Pipe temperature)  
 THc : Thermistor (Compressor temperature)

THr : Thermistor (Room temperature)  
 THPi : Thermistor (Pipe temperature)

## 5. Wiring diagram

### 5-1. Model: AOU24RLXFZH

OUTDOOR UNIT (3-unit  
type)  
AOU24RLXFZH



OUTDOOR UNIT (3-unit  
type)  
AOU24RLXFZH

## 6. Capacity table

### 6-1. Combinations

#### ■ Model: AOU24RLXFZH

#### ● Cooling

##### 1) Non-ducted

Combination of indoor unit				Rated capacity for each indoor unit (kBtu/h)			Maximum capacity for each indoor unit (kBtu/h)			Total capacity (kBtu/h)			Input power (kW)		
Unit 1	Unit 2	Unit 3	Total	Unit 1	Unit 2	Unit 3	Unit 1	Unit 2	Unit 3	Min.	Rated	Max.	Min.	Rated	Max.
7	7	-	14	7.05	7.05	-	8.70	8.70	-	6.10	14.10	17.40	0.50	1.13	1.45
7	9	-	16	7.09	9.11	-	8.66	11.14	-	6.10	16.20	19.80	0.50	1.29	1.73
7	12	-	19	7.07	12.13	-	8.33	14.27	-	6.10	19.20	22.60	0.50	1.53	1.97
7	15	-	22	6.87	13.73	-	8.05	16.10	-	6.10	20.60	24.15	0.50	1.65	2.30
7	18	-	25	6.16	15.84	-	7.20	18.50	-	6.10	22.00	25.70	0.50	1.72	2.38
9	9	-	18	9.00	9.00	-	10.75	10.75	-	6.10	18.00	21.50	0.50	1.42	1.86
9	12	-	21	9.00	12.00	-	10.11	13.49	-	6.10	21.00	23.60	0.50	1.66	2.04
9	15	-	24	8.41	13.09	-	9.70	15.10	-	6.10	21.50	24.80	0.50	1.71	2.35
9	18	-	27	7.33	14.67	-	8.67	17.33	-	6.10	22.00	26.00	0.50	1.71	2.43
12	12	-	24	11.00	11.00	-	12.50	12.50	-	6.10	22.00	25.00	0.50	1.74	2.30
12	15	-	27	10.15	11.85	-	12.46	14.54	-	6.10	22.00	27.00	0.50	1.74	2.43
7	7	7	21	7.00	7.00	7.00	8.57	8.57	8.57	6.10	21.00	25.70	0.50	1.62	2.17
7	7	9	23	6.70	6.70	8.61	8.22	8.22	10.57	6.10	22.00	27.00	0.50	1.65	2.20
7	7	12	26	5.92	5.92	10.15	7.27	7.27	12.46	6.10	22.00	27.00	0.50	1.65	2.43
7	9	9	25	6.16	7.92	7.92	7.56	9.72	9.72	6.10	22.00	27.00	0.50	1.65	2.43
9	9	9	27	7.33	7.33	7.33	9.00	9.00	9.00	6.10	22.00	27.00	0.50	1.65	2.43

##### 2) Ducted

Combination of indoor unit				Rated capacity for each indoor unit (kBtu/h)			Maximum capacity for each indoor unit (kBtu/h)			Total capacity (kBtu/h)			Input power (kW)		
Unit 1	Unit 2	Unit 3	Total	Unit 1	Unit 2	Unit 3	Unit 1	Unit 2	Unit 3	Min.	Rated	Max.	Min.	Rated	Max.
7	7	-	14	7.05	7.05	-	8.70	8.70	-	6.10	14.10	17.40	0.50	1.24	1.59
7	9	-	16	7.09	9.11	-	8.66	11.14	-	6.10	16.20	19.80	0.50	1.40	1.77
7	12	-	19	7.07	12.13	-	8.33	14.27	-	6.10	19.20	22.60	0.50	1.72	2.10
7	18	-	25	6.16	15.84	-	7.20	18.50	-	6.10	22.00	25.70	0.50	2.01	2.48
9	9	-	18	9.00	9.00	-	10.75	10.75	-	6.10	18.00	21.50	0.50	1.63	2.02
9	12	-	21	9.00	12.00	-	10.11	13.49	-	6.10	21.00	23.60	0.50	1.81	2.20
9	18	-	27	7.33	14.67	-	8.67	17.33	-	6.10	22.00	26.00	0.50	2.01	2.48
12	12	-	24	11.00	11.00	-	12.50	12.50	-	6.10	22.00	25.00	0.50	2.00	2.45
7	7	7	21	7.00	7.00	7.00	8.57	8.57	8.57	6.10	21.00	25.70	0.50	1.80	2.28
7	7	9	23	6.70	6.70	8.61	8.22	8.22	10.57	6.10	22.00	27.00	0.50	1.81	2.29
7	7	12	26	5.92	5.92	10.15	7.27	7.27	12.46	6.10	22.00	27.00	0.50	1.81	2.48
7	9	9	25	6.16	7.92	7.92	7.56	9.72	9.72	6.10	22.00	27.00	0.50	1.81	2.48
9	9	9	27	7.33	7.33	7.33	9.00	9.00	9.00	6.10	22.00	27.00	0.50	1.81	2.48

#### NOTES:

Specifications are based on the following conditions.

- Power source of specifications: 230 V
- 7: 7,000 Btu/h, 9: 9,000 Btu/h, 12: 12,000 Btu/h, 15: 14,000 Btu/h, 18: 18,000 Btu/h
- 2 or more indoor units should be connected.
- Cooling: Indoor temperature of 80 °FDB (26.7 °CDB)/ 67 °FWB (19.4 °CWB), and outdoor temperature of 95 °FDB (35 °CDB) / 75 °FWB (23.9 °CWB).
- Pipe length: 24.6 ft (7.5 m), Height difference: 0 ft (0 m) [Outdoor unit—Indoor unit]
- The total ability of connected indoor units is from 14,000 Btu up to 27,000 Btu.
- Non-Ducted system combinations input are based on wall mount models. The input of combinations including cassette models may be a little higher.
- Ducted system combinations capacities are based on slim duct units excepting 7,000-Btu models. 7,000 Btu models are based on wall mount models.

# ● Heating

## 1) Non-ducted

Combination of indoor unit				Rated capacity for each indoor unit (kBtu/h)			Maximum capacity for each indoor unit (kBtu/h)			Total capacity (kBtu/h)			Input power (kW)		
Unit 1	Unit 2	Unit 3	Total	Unit 1	Unit 2	Unit 3	Unit 1	Unit 2	Unit 3	Min.	Rated	Max.	Min.	Rated	Max.
7	7	-	14	9.50	9.50	-	11.10	11.10	-	6.80	19.00	22.20	0.52	1.38	1.92
7	9	-	16	9.20	11.80	-	10.70	13.80	-	6.80	21.00	24.50	0.52	1.58	2.50
7	12	-	19	8.30	14.20	-	9.70	16.70	-	6.80	22.50	26.40	0.52	1.92	2.64
7	15	-	22	7.80	15.60	-	9.17	18.33	-	6.80	23.40	27.50	0.50	1.93	2.74
7	18	-	25	6.80	17.50	-	7.90	20.40	-	6.80	24.30	28.30	0.50	1.94	2.85
9	9	-	18	11.10	11.10	-	12.70	12.70	-	6.80	22.20	25.40	0.52	1.75	2.62
9	12	-	21	10.00	13.40	-	11.70	15.60	-	6.80	23.40	27.30	0.52	2.01	2.66
9	15	-	24	9.30	14.50	-	10.90	16.90	-	6.80	23.80	27.80	0.50	1.96	2.75
9	18	-	27	8.10	16.20	-	9.67	19.33	-	6.80	24.30	29.00	0.50	1.92	2.85
12	12	-	24	12.10	12.10	-	14.20	14.20	-	6.80	24.20	28.40	0.52	2.10	2.85
12	15	-	27	11.20	13.10	-	13.60	15.90	-	6.80	24.30	29.50	0.50	1.93	2.85
7	7	7	21	8.10	8.10	8.10	9.50	9.50	9.50	6.80	24.30	28.50	0.50	1.76	2.77
7	7	9	23	7.60	7.60	9.80	9.07	9.07	11.66	6.80	25.00	29.80	0.50	1.81	2.85
7	7	12	26	6.70	6.70	11.60	8.08	8.08	13.85	6.80	25.00	30.00	0.50	1.80	2.85
7	9	9	25	7.00	9.00	9.00	8.40	10.80	10.80	6.80	25.00	30.00	0.50	1.80	2.85
9	9	9	27	8.33	8.33	8.34	10.00	10.00	10.00	6.80	25.00	30.00	0.50	1.79	2.85

OUTDOOR UNIT (3-unit type)  
AOU24RLXFZH

OUTDOOR UNIT (3-unit type)  
AOU24RLXFZH

## 2) Ducted

Combination of indoor unit				Rated capacity for each indoor unit (kBtu/h)			Maximum capacity for each indoor unit (kBtu/h)			Total capacity (kBtu/h)			Input power (kW)		
Unit 1	Unit 2	Unit 3	Total	Unit 1	Unit 2	Unit 3	Unit 1	Unit 2	Unit 3	Min.	Rated	Max.	Min.	Rated	Max.
7	7	-	14	9.50	9.50	-	11.10	11.10	-	6.80	19.00	22.20	0.52	1.42	1.94
7	9	-	16	9.20	11.80	-	10.70	13.80	-	6.80	21.00	24.50	0.52	1.62	2.52
7	12	-	19	8.30	14.20	-	9.70	16.70	-	6.80	22.50	26.40	0.52	1.97	2.69
7	18	-	25	6.80	17.50	-	7.90	20.40	-	6.80	24.30	28.30	0.50	1.99	2.93
9	9	-	18	11.10	11.10	-	12.70	12.70	-	6.80	22.20	25.40	0.52	1.80	2.63
9	12	-	21	10.00	13.40	-	11.70	15.60	-	6.80	23.40	27.30	0.52	2.06	2.71
9	18	-	27	8.10	16.20	-	9.67	19.33	-	6.80	24.30	29.00	0.50	1.97	2.93
12	12	-	24	12.10	12.10	-	14.20	14.20	-	6.80	24.20	28.40	0.52	2.15	2.93
7	7	7	21	8.10	8.10	8.10	9.50	9.50	9.50	6.80	24.30	28.50	0.50	1.83	2.85
7	7	9	23	7.60	7.60	9.80	9.07	9.07	11.66	6.80	25.00	29.80	0.50	1.89	2.93
7	7	12	26	6.70	6.70	11.60	8.08	8.08	13.85	6.80	25.00	30.00	0.50	1.88	2.93
7	9	9	25	7.00	9.00	9.00	8.40	10.80	10.80	6.80	25.00	30.00	0.50	1.88	2.93
9	9	9	27	8.00	8.00	8.00	10.00	10.00	10.00	6.80	25.00	30.00	0.50	1.87	2.93

### NOTES:

Specifications are based on the following conditions.

- Power source of specifications: 230 V
- 7: 7,000 Btu/h, 9: 9,000 Btu/h, 12: 12,000 Btu/h, 15: 14,000 Btu/h, 18: 18,000Btu/h
- 2 indoor units should be connected.
- Heating: Indoor temperature of 70 °FDB (21.1 °CDB)/ 60 °FWB (15.6 °CWB), and outdoor temperature of 47 °FDB (8.3 °CDB) / 43 °FWB (6.1 °CWB).
- Pipe length: 24.6 ft (7.5 m), Height difference: 0 ft (0 m) [Outdoor unit—Indoor unit]
- The total ability of connected a indoor unit is from 14,000 Btu up to 21,000 Btu.
- Non-Ducted system combinations input are based on wall mount models. The input of combinations including cassette models may be a little higher.
- Ducted system combinations capacities are based on slim duct units excepting 7,000-Btu models. 7,000 Btu models are based on wall mount models.

## 6-2. Cooling capacity

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

### ■ Model: AOU24RLXFZH

- TC: Total Capacity, SHC: Sensible Heat Capacity, IP: Input Power
- The data is based on the following conditions:  
Pipe length: 24.6 ft (7.5 m), Height difference: 0 ft (0 m) [Outdoor unit—Indoor unit]

### ● Indoor units: 7,000 Btu

		Indoor temperature																							
		64			70			75			80			85			90								
		54			60			63			67			71			73								
Outdoor temperature	°FDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP						
	°FWB	kBTu/h			kW			kBTu/h			kW			kBTu/h			kW			kBTu/h			kW		
	14	7.49	5.86	0.35	8.46	5.86	0.36	8.92	6.46	0.36	9.55	6.78	0.36	10.21	6.94	0.37	10.53	7.71	0.37						
	23	7.18	5.72	0.40	8.11	5.71	0.40	8.55	6.30	0.41	9.15	6.61	0.41	9.79	6.77	0.42	10.09	7.52	0.42						
	32	7.05	5.66	0.44	7.97	5.66	0.45	8.40	6.24	0.45	8.99	6.55	0.46	9.62	6.70	0.46	9.91	7.44	0.46						
	41	6.99	5.63	0.45	7.90	5.63	0.46	8.33	6.21	0.46	8.92	6.51	0.47	9.53	6.66	0.47	9.82	7.41	0.48						
	50	7.05	5.66	0.46	7.97	5.66	0.46	8.40	6.24	0.47	8.99	6.55	0.47	9.62	6.70	0.48	9.91	7.44	0.48						
	59	6.86	5.57	0.47	7.76	5.57	0.48	8.18	6.14	0.49	8.76	6.44	0.49	9.36	6.59	0.50	9.65	7.33	0.50						
	67	7.39	5.84	0.51	8.35	5.83	0.52	8.80	6.44	0.52	9.42	6.75	0.53	10.07	6.91	0.54	10.38	7.68	0.54						
	77	7.09	5.68	0.52	8.01	5.67	0.53	8.44	6.26	0.54	9.04	6.56	0.54	9.66	6.72	0.55	9.96	7.46	0.55						
	87	6.65	5.45	0.58	7.52	5.44	0.59	7.92	6.00	0.59	8.48	6.30	0.60	9.07	6.45	0.61	9.35	7.16	0.61						
	95	7.37	5.81	0.83	8.32	5.80	0.85	8.78	6.40	0.85	9.40	6.71	0.86	10.04	6.87	0.87	10.35	7.63	0.88						
	104	7.15	5.71	0.92	8.08	5.70	0.94	8.52	6.29	0.95	9.12	6.60	0.96	9.75	6.75	0.97	10.05	7.50	0.97						
	115	6.53	5.45	1.05	7.38	5.45	1.07	7.78	6.01	1.07	8.33	6.30	1.09	8.91	6.45	1.10	9.18	7.17	1.11						

Outdoor temperature		Indoor temperature																	
	°CDB	17.8			21.1			23.9			26.7			29.4			32.2		
	°CWB	12.2			15.6			17.2			19.4			21.7			22.8		
	°CDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
		kW			kW			kW			kW			kW			kW		
	-10.0	2.19	1.72	0.35	2.48	1.72	0.36	2.61	1.89	0.36	2.80	1.99	0.36	2.99	2.03	0.37	3.09	2.26	0.37
	-5.0	2.10	1.68	0.40	2.38	1.67	0.40	2.51	1.85	0.41	2.68	1.94	0.41	2.87	1.98	0.42	2.96	2.20	0.42
	0.0	2.07	1.66	0.44	2.34	1.66	0.45	2.46	1.83	0.45	2.64	1.92	0.46	2.82	1.96	0.46	2.91	2.18	0.46
	5.0	2.05	1.65	0.45	2.31	1.65	0.46	2.44	1.82	0.46	2.61	1.91	0.47	2.79	1.95	0.47	2.88	2.17	0.48
	10.0	2.07	1.66	0.46	2.34	1.66	0.46	2.46	1.83	0.47	2.64	1.92	0.47	2.82	1.96	0.48	2.91	2.18	0.48
15.0	2.01	1.63	0.47	2.27	1.63	0.48	2.40	1.80	0.49	2.57	1.89	0.49	2.74	1.93	0.50	2.83	2.15	0.50	
19.4	2.17	1.71	0.51	2.45	1.71	0.52	2.58	1.89	0.52	2.76	1.98	0.53	2.95	2.03	0.54	3.04	2.25	0.54	
25.0	2.08	1.66	0.52	2.35	1.66	0.53	2.47	1.83	0.54	2.65	1.92	0.54	2.83	1.97	0.55	2.92	2.19	0.55	
30.6	1.95	1.60	0.58	2.20	1.60	0.59	2.32	1.76	0.59	2.49	1.85	0.60	2.66	1.89	0.61	2.74	2.10	0.61	
35.0	2.16	1.70	0.83	2.44	1.70	0.85	2.57	1.88	0.85	2.75	1.97	0.86	2.94	2.01	0.87	3.03	2.24	0.88	
40.0	2.10	1.67	0.92	2.37	1.67	0.94	2.50	1.84	0.95	2.67	1.93	0.96	2.86	1.98	0.97	2.95	2.20	0.97	
46.1	1.91	1.60	1.05	2.16	1.60	1.07	2.28	1.76	1.07	2.44	1.85	1.09	2.61	1.89	1.10	2.69	2.10	1.11	

OUTDOOR UNIT (3-unit type)  
AOU24RLXFZH

OUTDOOR UNIT (3-unit type)  
AOU24RLXFZH

## ● Indoor units: 9,000 Btu

		Indoor temperature																	
°FDB		64			70			75			80			85			90		
°FWB		54			60			63			67			71			73		
Outdoor temperature	°FDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
		kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW
	14	7.54	6.16	0.31	8.52	6.15	0.31	8.99	6.78	0.31	9.62	7.12	0.32	10.29	7.28	0.32	10.60	8.09	0.32
	23	7.23	6.01	0.35	8.17	6.00	0.35	8.61	6.62	0.35	9.22	6.94	0.36	9.86	7.11	0.36	10.16	7.90	0.36
	32	7.10	5.95	0.38	8.03	5.94	0.39	8.46	6.55	0.39	9.06	6.87	0.40	9.69	7.03	0.40	9.98	7.82	0.40
	41	7.04	5.92	0.39	7.96	5.91	0.40	8.39	6.52	0.40	8.98	6.84	0.41	9.60	7.00	0.41	9.90	7.78	0.41
	50	7.10	5.95	0.40	8.03	5.94	0.40	8.46	6.55	0.41	9.06	6.87	0.41	9.69	7.03	0.42	9.98	7.82	0.42
	59	7.24	6.01	0.45	8.18	6.00	0.46	8.62	6.62	0.47	9.23	6.95	0.47	9.87	7.11	0.48	10.17	7.90	0.48
	67	8.39	6.58	0.57	9.49	6.57	0.58	10.00	7.25	0.59	10.71	7.60	0.59	11.45	7.78	0.60	11.80	8.65	0.60
	77	8.05	6.39	0.59	9.10	6.39	0.60	9.59	7.04	0.60	10.27	7.39	0.61	10.98	7.56	0.61	11.32	8.41	0.62
	87	7.56	6.14	0.65	8.54	6.13	0.66	9.00	6.76	0.67	9.64	7.09	0.67	10.30	7.26	0.68	10.62	8.07	0.69
	95	8.97	6.81	1.08	10.14	6.80	1.10	10.69	7.50	1.11	11.44	7.87	1.12	12.23	8.05	1.13	12.61	8.95	1.14
	104	8.51	6.60	1.20	9.61	6.59	1.22	10.14	7.27	1.23	10.85	7.63	1.25	11.60	7.81	1.26	11.96	8.68	1.27
	115	7.82	6.34	1.36	8.83	6.33	1.39	9.31	6.98	1.40	9.97	7.33	1.41	10.66	7.50	1.43	10.99	8.33	1.44

OUTDOOR UNIT (3-unit  
type)  
AOU24RLXFZH

OUTDOOR UNIT (3-unit  
type)  
AOU24RLXFZH

		Indoor temperature																	
	°CDB	17.8			21.1			23.9			26.7			29.4			32.2		
	°CWB	12.2			15.6			17.2			19.4			21.7			22.8		
	°CDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
		kW			kW			kW			kW			kW			kW		
Outdoor temperature	-10.0	2.21	1.80	0.31	2.50	1.80	0.31	2.63	1.99	0.31	2.82	2.09	0.32	3.01	2.13	0.32	3.11	2.37	0.32
	-5.0	2.12	1.76	0.35	2.39	1.76	0.35	2.52	1.94	0.35	2.70	2.04	0.36	2.89	2.08	0.36	2.98	2.31	0.36
	0.0	2.08	1.74	0.38	2.35	1.74	0.39	2.48	1.92	0.39	2.66	2.01	0.40	2.84	2.06	0.40	2.93	2.29	0.40
	5.0	2.06	1.73	0.39	2.33	1.73	0.40	2.46	1.91	0.40	2.63	2.00	0.41	2.81	2.05	0.41	2.90	2.28	0.41
	10.0	2.08	1.74	0.40	2.35	1.74	0.40	2.48	1.92	0.41	2.66	2.01	0.41	2.84	2.06	0.42	2.93	2.29	0.42
	15.0	2.12	1.76	0.45	2.40	1.76	0.46	2.53	1.94	0.47	2.71	2.04	0.47	2.89	2.08	0.48	2.98	2.32	0.48
	19.4	2.46	1.93	0.57	2.78	1.93	0.58	2.93	2.12	0.59	3.14	2.23	0.59	3.35	2.28	0.60	3.46	2.53	0.60
	25.0	2.36	1.87	0.59	2.67	1.87	0.60	2.81	2.06	0.60	3.01	2.17	0.61	3.22	2.22	0.61	3.32	2.46	0.62
	30.6	2.21	1.80	0.65	2.50	1.80	0.66	2.64	1.98	0.67	2.82	2.08	0.67	3.02	2.13	0.68	3.11	2.36	0.69
	35.0	2.63	2.00	1.08	2.97	1.99	1.10	3.13	2.20	1.11	3.35	2.31	1.12	3.59	2.36	1.13	3.70	2.62	1.14
40.0	2.49	1.93	1.20	2.82	1.93	1.22	2.97	2.13	1.23	3.18	2.24	1.25	3.40	2.29	1.26	3.50	2.54	1.27	
46.1	2.29	1.86	1.36	2.59	1.86	1.39	2.73	2.05	1.40	2.92	2.15	1.41	3.12	2.20	1.43	3.22	2.44	1.44	

## ● Indoor units: 12,000 Btu

		Indoor temperature																	
		64			70			75			80			85			90		
		54			60			63			67			71			73		
Outdoor temperature	°FDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
	°FWB	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW
	14	9.71	7.59	0.41	10.98	7.58	0.42	11.57	8.37	0.42	12.39	8.78	0.43	13.25	8.98	0.43	13.66	9.98	0.43
	23	9.31	7.41	0.46	10.52	7.40	0.47	11.09	8.16	0.48	11.87	8.56	0.48	12.69	8.76	0.49	13.09	9.74	0.49
	32	9.15	7.33	0.51	10.34	7.32	0.52	10.90	8.08	0.53	11.67	8.48	0.53	12.47	8.67	0.54	12.86	9.64	0.54
	41	9.07	7.29	0.53	10.25	7.29	0.54	10.80	8.04	0.54	11.57	8.43	0.55	12.36	8.63	0.55	12.74	9.59	0.56
	50	9.15	7.33	0.53	10.34	7.32	0.54	10.90	8.08	0.55	11.67	8.48	0.55	12.47	8.67	0.56	12.86	9.64	0.56
	59	8.91	7.22	0.55	10.06	7.21	0.56	10.61	7.95	0.57	11.36	8.35	0.57	12.14	8.54	0.58	12.52	9.49	0.58
	67	11.07	8.23	0.81	12.51	8.22	0.82	13.19	9.06	0.83	14.12	9.51	0.84	15.10	9.73	0.85	15.56	10.81	0.85
	77	10.62	8.00	0.83	12.00	7.99	0.84	12.65	8.81	0.85	13.55	9.24	0.86	14.48	9.46	0.87	14.93	10.51	0.87
	87	9.97	7.67	0.92	11.26	7.66	0.93	11.87	8.45	0.94	12.71	8.87	0.95	13.59	9.08	0.96	14.01	10.09	0.97
	95	10.32	7.86	1.14	11.66	7.85	1.16	12.29	8.66	1.17	13.16	9.09	1.19	14.07	9.30	1.20	14.50	10.34	1.21
	104	9.79	7.62	1.27	11.06	7.62	1.29	11.66	8.40	1.30	12.48	8.82	1.32	13.34	9.02	1.33	13.75	10.02	1.34
	115	8.99	7.32	1.44	10.16	7.31	1.47	10.71	8.07	1.48	11.47	8.46	1.49	12.26	8.66	1.51	12.64	9.62	1.52

	Indoor temperature																		
	°CDB	17.8			21.1			23.9			26.7			29.4			32.2		
	°CWB	12.2			15.6			17.2			19.4			21.7			22.8		
Outdoor temperature	°CDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
		kW			kW			kW			kW			kW			kW		
	-10.0	2.85	2.23	0.41	3.22	2.22	0.42	3.39	2.45	0.42	3.63	2.57	0.43	3.88	2.63	0.43	4.00	2.93	0.43
	-5.0	2.73	2.17	0.46	3.08	2.17	0.47	3.25	2.39	0.48	3.48	2.51	0.48	3.72	2.57	0.49	3.84	2.85	0.49
	0.0	2.68	2.15	0.51	3.03	2.15	0.52	3.19	2.37	0.53	3.42	2.48	0.53	3.66	2.54	0.54	3.77	2.83	0.54
	5.0	2.66	2.14	0.53	3.00	2.14	0.54	3.17	2.36	0.54	3.39	2.47	0.55	3.62	2.53	0.55	3.74	2.81	0.56
	10.0	2.68	2.15	0.53	3.03	2.15	0.54	3.19	2.37	0.55	3.42	2.48	0.55	3.66	2.54	0.56	3.77	2.83	0.56
	15.0	2.61	2.12	0.55	2.95	2.11	0.56	3.11	2.33	0.57	3.33	2.45	0.57	3.56	2.50	0.58	3.67	2.78	0.58
	19.4	3.25	2.41	0.81	3.67	2.41	0.82	3.87	2.66	0.83	4.14	2.79	0.84	4.42	2.85	0.85	4.56	3.17	0.85
	25.0	3.11	2.34	0.83	3.52	2.34	0.84	3.71	2.58	0.85	3.97	2.71	0.86	4.24	2.77	0.87	4.38	3.08	0.87
30.6	2.92	2.25	0.92	3.30	2.25	0.93	3.48	2.48	0.94	3.73	2.60	0.95	3.98	2.66	0.96	4.11	2.96	0.97	
35.0	3.02	2.30	1.14	3.42	2.30	1.16	3.60	2.54	1.17	3.86	2.66	1.19	4.12	2.73	1.20	4.25	3.03	1.21	
40.0	2.87	2.23	1.27	3.24	2.23	1.29	3.42	2.46	1.30	3.66	2.58	1.32	3.91	2.64	1.33	4.03	2.94	1.34	
46.1	2.63	2.15	1.44	2.98	2.14	1.47	3.14	2.36	1.48	3.36	2.48	1.49	3.59	2.54	1.51	3.70	2.82	1.52	

## ● Indoor units: 14,000 Btu

		Indoor temperature																	
°FDB		64			70			75			80			85			90		
°FWB		54			60			63			67			71			73		
Outdoor temperature	°FDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
		kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW
	14	13.58	10.38	0.60	15.34	10.37	0.61	16.18	11.44	0.62	17.32	12.00	0.62	18.51	12.28	0.63	19.08	13.65	0.63
	23	13.01	10.13	0.68	14.70	10.12	0.69	15.50	11.16	0.70	16.60	11.71	0.71	17.74	11.98	0.72	18.29	13.32	0.72
	32	12.79	10.03	0.75	14.45	10.01	0.77	15.23	11.05	0.77	16.31	11.59	0.78	17.43	11.86	0.79	17.97	13.18	0.79
	41	12.67	9.98	0.77	14.32	9.96	0.79	15.10	10.99	0.79	16.16	11.53	0.80	17.28	11.80	0.81	17.81	13.11	0.81
	50	12.79	10.03	0.78	14.45	10.01	0.80	15.23	11.05	0.80	16.31	11.59	0.81	17.43	11.86	0.82	17.97	13.18	0.83
	59	12.79	10.03	0.86	14.45	10.02	0.88	15.23	11.05	0.88	16.31	11.59	0.89	17.43	11.86	0.90	17.97	13.18	0.91
	67	13.49	10.39	0.89	15.25	10.38	0.90	16.07	11.45	0.91	17.21	12.01	0.92	18.40	12.29	0.93	18.97	13.66	0.94
	77	12.94	10.10	0.91	14.63	10.09	0.92	15.42	11.13	0.93	16.51	11.67	0.94	17.65	11.94	0.95	18.19	13.28	0.96
	87	12.15	9.69	1.01	13.73	9.68	1.03	14.47	10.68	1.03	15.49	11.20	1.05	16.56	11.46	1.06	17.07	12.74	1.06
	95	13.25	10.24	1.40	14.98	10.23	1.43	15.79	11.28	1.44	16.91	11.84	1.46	18.07	12.11	1.47	18.63	13.46	1.48
	104	12.57	9.93	1.56	14.20	9.92	1.58	14.97	10.94	1.60	16.03	11.48	1.62	17.14	11.74	1.63	17.67	13.05	1.64
115	11.38	9.52	1.69	12.86	9.51	1.72	13.56	10.49	1.74	14.52	11.00	1.76	15.52	11.26	1.78	16.00	12.51	1.79	

OUTDOOR UNIT (3-unit  
type)  
AOU24RLXFZH

OUTDOOR UNIT (3-unit  
type)  
AOU24RLXFZH

		Indoor temperature																	
	°CDB	17.8			21.1			23.9			26.7			29.4			32.2		
	°CWB	12.2			15.6			17.2			19.4			21.7			22.8		
Outdoor temperature	°CDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
		kW			kW			kW			kW			kW			kW		
	-10.0	3.98	3.04	0.60	4.50	3.04	0.61	4.74	3.35	0.62	5.08	3.52	0.62	5.43	3.60	0.63	5.59	4.00	0.63
	-5.0	3.81	2.97	0.68	4.31	2.97	0.69	4.54	3.27	0.70	4.86	3.43	0.71	5.20	3.51	0.72	5.36	3.90	0.72
	0.0	3.75	2.94	0.75	4.23	2.94	0.77	4.46	3.24	0.77	4.78	3.40	0.78	5.11	3.48	0.79	5.27	3.86	0.79
	5.0	3.71	2.92	0.77	4.20	2.92	0.79	4.42	3.22	0.79	4.74	3.38	0.80	5.06	3.46	0.81	5.22	3.84	0.81
	10.0	3.75	2.94	0.78	4.23	2.94	0.80	4.46	3.24	0.80	4.78	3.40	0.81	5.11	3.48	0.82	5.27	3.86	0.83
	15.0	3.75	2.94	0.86	4.23	2.94	0.88	4.46	3.24	0.88	4.78	3.40	0.89	5.11	3.48	0.90	5.27	3.86	0.91
	19.4	3.95	3.04	0.89	4.47	3.04	0.90	4.71	3.35	0.91	5.04	3.52	0.92	5.39	3.60	0.93	5.56	4.00	0.94
	25.0	3.79	2.96	0.91	4.29	2.96	0.92	4.52	3.26	0.93	4.84	3.42	0.94	5.17	3.50	0.95	5.33	3.89	0.96
	30.6	3.56	2.84	1.01	4.02	2.84	1.03	4.24	3.13	1.03	4.54	3.28	1.05	4.85	3.36	1.06	5.00	3.73	1.06
	35.0	3.88	3.00	1.40	4.39	3.00	1.43	4.63	3.31	1.44	4.95	3.47	1.46	5.30	3.55	1.47	5.46	3.94	1.48
	40.0	3.68	2.91	1.56	4.16	2.91	1.58	4.39	3.21	1.60	4.70	3.36	1.62	5.02	3.44	1.63	5.18	3.83	1.64
46.1	3.34	2.79	1.69	3.77	2.79	1.72	3.97	3.07	1.74	4.26	3.22	1.76	4.55	3.30	1.78	4.69	3.67	1.79	

## ● Indoor units: 18,000 Btu

		Indoor temperature																	
	°FDB	64			70			75			80			85			90		
	°FWB	54			60			63			67			71			73		
Outdoor temperature	°FDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
		kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW
	14	14.33	10.78	0.70	16.19	10.77	0.71	17.07	11.88	0.72	18.28	12.46	0.73	19.54	12.75	0.73	20.14	14.17	0.74
	23	13.73	10.52	0.79	15.52	10.50	0.81	16.36	11.59	0.81	17.52	12.16	0.82	18.72	12.44	0.83	19.30	13.83	0.84
	32	13.49	10.41	0.88	15.25	10.40	0.89	16.08	11.47	0.90	17.21	12.04	0.91	18.40	12.31	0.92	18.97	13.69	0.92
	41	13.37	10.36	0.90	15.11	10.34	0.91	15.93	11.41	0.92	17.06	11.97	0.93	18.24	12.25	0.94	18.8	13.62	0.95
	50	13.49	10.41	0.91	15.25	10.40	0.93	16.08	11.47	0.93	17.21	12.04	0.94	18.40	12.31	0.96	18.97	13.69	0.96
	59	13.96	10.62	1.07	15.77	10.60	1.09	16.63	11.70	1.10	17.80	12.27	1.12	19.03	12.56	1.13	19.62	13.96	1.13
	67	15.33	11.26	1.21	17.33	11.24	1.23	18.27	12.40	1.24	19.56	13.01	1.25	20.91	13.32	1.27	21.55	14.80	1.28
	77	14.71	10.94	1.24	16.62	10.93	1.26	17.52	12.06	1.27	18.76	12.65	1.28	20.05	12.94	1.30	20.67	14.39	1.30
	87	13.80	10.50	1.37	15.60	10.49	1.40	16.44	11.57	1.41	17.60	12.14	1.42	18.82	12.42	1.44	19.40	13.81	1.45
	95	15.21	11.16	1.95	17.18	11.14	1.98	18.12	12.29	2.00	19.40	12.90	2.02	20.73	13.20	2.04	21.37	14.67	2.06
	104	14.42	10.82	2.16	16.30	10.81	2.20	17.18	11.92	2.22	18.39	12.51	2.24	19.66	12.80	2.27	20.27	14.22	2.28
115	11.48	9.75	1.87	12.97	9.74	1.90	13.67	10.74	1.92	14.64	11.27	1.94	15.65	11.53	1.96	16.13	12.81	1.97	

		Indoor temperature																	
	°CDB	17.8			21.1			23.9			26.7			29.4			32.2		
	°CWB	12.2			15.6			17.2			19.4			21.7			22.8		
Outdoor temperature	°CDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
		kW			kW			kW			kW			kW			kW		
	-10.0	4.20	3.16	0.70	4.75	3.16	0.71	5.00	3.48	0.72	5.36	3.65	0.73	5.73	3.74	0.73	5.9	4.15	0.74
	-5.0	4.02	3.08	0.79	4.55	3.08	0.81	4.79	3.40	0.81	5.13	3.56	0.82	5.49	3.65	0.83	5.66	4.05	0.84
	0.0	3.95	3.05	0.88	4.47	3.05	0.89	4.71	3.36	0.90	5.04	3.53	0.91	5.39	3.61	0.92	5.56	4.01	0.92
	5.0	3.92	3.04	0.90	4.43	3.03	0.91	4.67	3.34	0.92	5.00	3.51	0.93	5.34	3.59	0.94	5.51	3.99	0.95
	10.0	3.95	3.05	0.91	4.47	3.05	0.93	4.71	3.36	0.93	5.04	3.53	0.94	5.39	3.61	0.96	5.56	4.01	0.96
	15.0	4.09	3.11	1.07	4.62	3.11	1.09	4.87	3.43	1.10	5.22	3.60	1.12	5.58	3.68	1.13	5.75	4.09	1.13
	19.4	4.49	3.30	1.21	5.08	3.30	1.23	5.35	3.64	1.24	5.73	3.81	1.25	6.13	3.90	1.27	6.32	4.34	1.28
	25.0	4.31	3.21	1.24	4.87	3.20	1.26	5.13	3.53	1.27	5.50	3.71	1.28	5.88	3.79	1.3	6.06	4.22	1.30
	30.6	4.04	3.08	1.37	4.57	3.07	1.40	4.82	3.39	1.41	5.16	3.56	1.42	5.51	3.64	1.44	5.69	4.05	1.45
	35.0	4.46	3.27	1.95	5.04	3.27	1.98	5.31	3.60	2.00	5.68	3.78	2.02	6.08	3.87	2.04	6.26	4.30	2.06
40.0	4.23	3.17	2.16	4.78	3.17	2.20	5.03	3.49	2.22	5.39	3.67	2.24	5.76	3.75	2.27	5.94	4.17	2.28	
46.1	3.36	2.86	1.87	3.80	2.85	1.90	4.01	3.15	1.92	4.29	3.30	1.94	4.59	3.38	1.96	4.73	3.76	1.97	

# ● Indoor units: 7,000 Btu + 7,000 Btu

		Indoor temperature																	
°FDB		64			70			75			80			85			90		
°FWB		54			60			63			67			71			73		
Outdoor temperature	°FDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
		kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW
	14	12.74	10.15	0.51	14.40	10.14	0.52	15.18	11.18	0.53	16.25	11.73	0.53	17.38	12.00	0.54	17.91	13.34	0.54
	23	12.21	9.90	0.58	13.80	9.89	0.59	14.55	10.91	0.60	15.58	11.45	0.60	16.65	11.71	0.61	17.17	13.02	0.61
	32	12.00	9.80	0.64	13.56	9.79	0.65	14.30	10.80	0.66	15.31	11.33	0.67	16.36	11.59	0.67	16.87	12.88	0.68
	41	11.89	9.75	0.66	13.44	9.74	0.67	14.17	10.74	0.68	15.17	11.27	0.68	16.22	11.53	0.69	16.72	12.82	0.70
	50	12.00	9.80	0.67	13.56	9.79	0.68	14.30	10.80	0.68	15.31	11.33	0.69	16.36	11.59	0.70	16.87	12.88	0.70
	59	11.68	9.65	0.69	13.20	9.64	0.71	13.92	10.63	0.71	14.90	11.16	0.72	15.93	11.41	0.73	16.42	12.68	0.73
	67	14.52	10.99	1.01	16.41	10.98	1.03	17.30	12.11	1.04	18.53	12.71	1.05	19.80	13.00	1.06	20.42	14.45	1.07
	77	13.93	10.69	1.04	15.74	10.67	1.06	16.60	11.77	1.06	17.77	12.35	1.08	19.00	12.64	1.09	19.58	14.05	1.09
	87	13.07	10.26	1.15	14.77	10.24	1.17	15.57	11.30	1.18	16.68	11.86	1.19	17.83	12.13	1.21	18.38	13.48	1.21
	95	13.64	10.56	1.53	15.42	10.54	1.56	16.25	11.63	1.57	17.40	12.21	1.59	18.60	12.49	1.60	19.17	13.88	1.61
	104	12.94	10.24	1.70	14.62	10.22	1.73	15.41	11.28	1.74	16.50	11.84	1.76	17.64	12.11	1.78	18.18	13.46	1.79
115	12.00	9.93	1.83	13.57	9.92	1.87	14.30	10.94	1.88	15.31	11.48	1.90	16.37	11.74	1.92	16.87	13.05	1.93	

OUTDOOR UNIT (3-unit type)  
AOU24RLXFZH

OUTDOOR UNIT (3-unit type)  
AOU24RLXFZH

Outdoor temperature		Indoor temperature																	
	°CDB	17.8			21.1			23.9			26.7			29.4			32.2		
	°CWB	12.2			15.6			17.2			19.4			21.7			22.8		
	°CDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
		kW			kW			kW			kW			kW			kW		
	-10.0	3.73	2.97	0.51	4.22	2.97	0.52	4.45	3.28	0.53	4.76	3.44	0.53	5.09	3.52	0.54	5.25	3.91	0.54
	-5.0	3.58	2.90	0.58	4.04	2.90	0.59	4.26	3.20	0.60	4.57	3.35	0.60	4.88	3.43	0.61	5.03	3.81	0.61
0.0	3.52	2.87	0.64	3.97	2.87	0.65	4.19	3.16	0.66	4.49	3.32	0.67	4.80	3.40	0.67	4.94	3.78	0.68	
5.0	3.49	2.86	0.66	3.94	2.85	0.67	4.15	3.15	0.68	4.45	3.30	0.68	4.75	3.38	0.69	4.90	3.76	0.70	
10.0	3.52	2.87	0.67	3.97	2.87	0.68	4.19	3.16	0.68	4.49	3.32	0.69	4.80	3.40	0.70	4.94	3.78	0.70	
15.0	3.42	2.83	0.69	3.87	2.82	0.71	4.08	3.12	0.71	4.37	3.27	0.72	4.67	3.35	0.73	4.81	3.72	0.73	
19.4	4.26	3.22	1.01	4.81	3.22	1.03	5.07	3.55	1.04	5.43	3.73	1.05	5.80	3.81	1.06	5.98	4.24	1.07	
25.0	4.08	3.13	1.04	4.61	3.13	1.06	4.86	3.45	1.06	5.21	3.62	1.08	5.57	3.70	1.09	5.74	4.12	1.09	
30.6	3.83	3.01	1.15	4.33	3.00	1.17	4.56	3.31	1.18	4.89	3.48	1.19	5.22	3.56	1.21	5.39	3.95	1.21	
35.0	4.00	3.09	1.53	4.52	3.09	1.56	4.76	3.41	1.57	5.10	3.58	1.59	5.45	3.66	1.60	5.62	4.07	1.61	
40.0	3.79	3.00	1.70	4.28	3.00	1.73	4.52	3.31	1.74	4.84	3.47	1.76	5.17	3.55	1.78	5.33	3.94	1.79	
46.1	3.52	2.91	1.83	3.98	2.91	1.87	4.19	3.21	1.88	4.49	3.36	1.90	4.80	3.44	1.92	4.95	3.83	1.93	

# ● Indoor units: 7,000 Btu + 9,000 Btu

		Indoor temperature																							
		°FDB			64			70			75			80			85			90					
		°FWB			54			60			63			67			71			73					
Outdoor temperature	°FDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP						
		kBtu/h			kW			kBtu/h			kW			kBtu/h			kW			kBtu/h			kW		
	14	14.66	11.33	0.64	16.57	11.32	0.65	17.47	12.48	0.65	18.70	13.10	0.66	19.99	13.40	0.67	20.61	14.89	0.67						
	23	14.05	11.05	0.72	15.88	11.04	0.73	16.74	12.18	0.74	17.92	12.78	0.75	19.16	13.08	0.76	19.75	14.53	0.76						
	32	13.81	10.94	0.80	15.60	10.93	0.81	16.45	12.06	0.82	17.61	12.65	0.83	18.82	12.94	0.84	19.40	14.38	0.84						
	41	13.68	10.89	0.82	15.46	10.87	0.83	16.30	11.99	0.84	17.45	12.59	0.85	18.66	12.88	0.86	19.23	14.31	0.86						
	50	13.81	10.94	0.83	15.60	10.93	0.84	16.45	12.06	0.85	17.61	12.65	0.86	18.82	12.94	0.87	19.40	14.38	0.87						
	59	13.44	10.77	0.86	15.19	10.76	0.87	16.01	11.87	0.88	17.14	12.45	0.89	18.32	12.74	0.90	18.89	14.16	0.91						
	67	15.48	11.74	1.07	17.49	11.73	1.09	18.44	12.94	1.10	19.74	13.58	1.11	21.11	13.89	1.12	21.76	15.44	1.13						
	77	14.85	11.41	1.09	16.78	11.40	1.11	17.69	12.57	1.12	18.94	13.20	1.13	20.24	13.50	1.15	20.87	15.00	1.15						
	87	13.93	10.95	1.21	15.75	10.94	1.24	16.60	12.07	1.25	17.77	12.66	1.26	19.00	12.96	1.27	19.58	14.40	1.28						
	95	15.52	11.71	1.70	17.54	11.70	1.73	18.49	12.90	1.75	19.80	13.54	1.77	21.17	13.85	1.79	21.82	15.40	1.80						
	104	14.75	11.37	1.89	16.67	11.36	1.92	17.58	12.53	1.94	18.82	13.15	1.96	20.12	13.45	1.98	20.74	14.95	1.99						
115	12.19	10.43	1.86	13.77	10.41	1.90	14.52	11.49	1.91	15.54	12.06	1.93	16.61	12.33	1.96	17.13	13.71	1.97							

		Indoor temperature																	
		17.8			21.1			23.9			26.7			29.4			32.2		
		12.2			15.6			17.2			19.4			21.7			22.8		
Outdoor temperature	°CDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
		kW			kW			kW			kW			kW			kW		
	-10.0	4.30	3.32	0.64	4.86	3.32	0.65	5.12	3.66	0.65	5.48	3.84	0.66	5.86	3.93	0.67	6.04	4.37	0.67
	-5.0	4.12	3.24	0.72	4.65	3.24	0.73	4.91	3.57	0.74	5.25	3.75	0.75	5.61	3.83	0.76	5.79	4.26	0.76
	0.0	4.05	3.21	0.80	4.57	3.20	0.81	4.82	3.53	0.82	5.16	3.71	0.83	5.52	3.79	0.84	5.69	4.22	0.84
	5.0	4.01	3.19	0.82	4.53	3.19	0.83	4.78	3.52	0.84	5.12	3.69	0.85	5.47	3.77	0.86	5.64	4.19	0.86
	10.0	4.05	3.21	0.83	4.57	3.20	0.84	4.82	3.53	0.85	5.16	3.71	0.86	5.52	3.79	0.87	5.69	4.22	0.87
	15.0	3.94	3.16	0.86	4.45	3.15	0.87	4.69	3.48	0.88	5.02	3.65	0.89	5.37	3.73	0.90	5.54	4.15	0.91
	19.4	4.54	3.44	1.07	5.13	3.44	1.09	5.40	3.79	1.10	5.79	3.98	1.11	6.19	4.07	1.12	6.38	4.52	1.13
	25.0	4.35	3.35	1.09	4.92	3.34	1.11	5.18	3.69	1.12	5.55	3.87	1.13	5.93	3.96	1.15	6.12	4.40	1.15
	30.6	4.08	3.21	1.21	4.61	3.21	1.24	4.86	3.54	1.25	5.21	3.71	1.26	5.57	3.80	1.27	5.74	4.22	1.28
35.0	4.55	3.43	1.70	5.14	3.43	1.73	5.42	3.78	1.75	5.80	3.97	1.77	6.20	4.06	1.79	6.39	4.51	1.80	
40.0	4.32	3.33	1.89	4.89	3.33	1.92	5.15	3.67	1.94	5.52	3.85	1.96	5.90	3.94	1.98	6.08	4.38	1.99	
46.1	3.57	3.06	1.86	4.04	3.05	1.90	4.25	3.37	1.91	4.56	3.53	1.93	4.87	3.61	1.96	5.02	4.02	1.97	

# ● Indoor units: 7,000 Btu + 12,000 Btu

		Indoor temperature																	
°FDB		64			70			75			80			85			90		
°FWB		54			60			63			67			71			73		
Outdoor temperature	°FDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
		kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW
	14	16.27	12.65	0.73	18.39	12.64	0.74	19.38	13.94	0.75	20.75	14.63	0.76	22.18	14.96	0.77	22.87	16.63	0.77
	23	15.59	12.34	0.83	17.62	12.33	0.84	18.58	13.60	0.85	19.89	14.27	0.86	21.26	14.60	0.87	21.92	16.23	0.87
	32	15.32	12.22	0.91	17.31	12.20	0.93	18.25	13.46	0.94	19.54	14.12	0.95	20.89	14.45	0.96	21.54	16.06	0.96
	41	15.19	12.15	0.94	17.16	12.14	0.95	18.09	13.39	0.96	19.37	14.05	0.97	20.71	14.38	0.98	21.34	15.98	0.99
	50	15.32	12.22	0.95	17.31	12.20	0.97	18.25	13.46	0.98	19.54	14.12	0.99	20.89	14.45	1.00	21.54	16.06	1.00
	59	15.31	12.21	1.04	17.30	12.20	1.06	18.23	13.45	1.07	19.52	14.12	1.08	20.87	14.44	1.09	21.51	16.05	1.10
	67	18.97	13.89	1.51	21.44	13.87	1.54	22.60	15.30	1.55	24.20	16.05	1.57	25.87	16.43	1.59	26.66	18.26	1.60
	77	18.20	13.50	1.55	20.56	13.48	1.58	21.68	14.87	1.59	23.21	15.61	1.61	24.81	15.97	1.63	25.58	17.75	1.63
	87	17.08	12.96	1.72	19.30	12.94	1.75	20.34	14.27	1.76	21.78	14.98	1.78	23.28	15.32	1.80	24.00	17.03	1.81
	95	17.72	13.29	2.03	20.02	13.28	2.06	21.11	14.64	2.08	22.60	15.37	2.10	24.16	15.72	2.13	24.91	17.47	2.14
	104	16.80	12.89	2.25	18.99	12.87	2.29	20.02	14.20	2.31	21.43	14.90	2.33	22.91	15.25	2.36	23.62	16.94	2.37
115	13.10	11.50	2.05	14.80	11.48	2.09	15.61	12.67	2.10	16.71	13.29	2.13	17.86	13.60	2.15	18.41	15.12	2.16	

OUTDOOR UNIT (3-unit  
type)  
AOU24RLXFZH

OUTDOOR UNIT (3-unit  
type)  
AOU24RLXFZH

	Indoor temperature																		
	°CDB	17.8			21.1			23.9			26.7			29.4			32.2		
	°CWB	12.2			15.6			17.2			19.4			21.7			22.8		
	°CDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
Outdoor temperature		kW			kW			kW			kW			kW			kW		
	-10.0	4.77	3.71	0.73	5.39	3.70	0.74	5.68	4.08	0.75	6.08	4.29	0.76	6.50	4.39	0.77	6.70	4.87	0.77
	-5.0	4.57	3.62	0.83	5.16	3.61	0.84	5.44	3.99	0.85	5.83	4.18	0.86	6.23	4.28	0.87	6.42	4.76	0.87
	0.0	4.49	3.58	0.91	5.07	3.58	0.93	5.35	3.95	0.94	5.73	4.14	0.95	6.12	4.24	0.96	6.31	4.71	0.96
	5.0	4.45	3.56	0.94	5.03	3.56	0.95	5.30	3.92	0.96	5.68	4.12	0.97	6.07	4.21	0.98	6.26	4.68	0.99
	10.0	4.49	3.58	0.95	5.07	3.58	0.97	5.35	3.95	0.98	5.73	4.14	0.99	6.12	4.24	1.00	6.31	4.71	1.00
	15.0	4.49	3.58	1.04	5.07	3.57	1.06	5.34	3.94	1.07	5.72	4.14	1.08	6.12	4.23	1.09	6.31	4.70	1.10
	19.4	5.56	4.07	1.51	6.28	4.07	1.54	6.62	4.48	1.55	7.09	4.71	1.57	7.58	4.81	1.59	7.81	5.35	1.60
	25.0	5.33	3.96	1.55	6.03	3.95	1.58	6.35	4.36	1.59	6.80	4.57	1.61	7.27	4.68	1.63	7.50	5.20	1.63
	30.6	5.00	3.80	1.72	5.66	3.79	1.75	5.96	4.18	1.76	6.38	4.39	1.78	6.82	4.49	1.80	7.03	4.99	1.81
	35.0	5.19	3.90	2.03	5.87	3.89	2.06	6.19	4.29	2.08	6.62	4.50	2.10	7.08	4.61	2.13	7.30	5.12	2.14
	40.0	4.92	3.78	2.25	5.57	3.77	2.29	5.87	4.16	2.31	6.28	4.37	2.33	6.71	4.47	2.36	6.92	4.97	2.37
	46.1	3.84	3.37	2.05	4.34	3.37	2.09	4.57	3.71	2.10	4.90	3.90	2.13	5.23	3.99	2.15	5.40	4.43	2.16

# ● Indoor units: 7,000 Btu + 14,000 Btu

		Indoor temperature																	
		64			70			75			80			85			90		
		54			60			63			67			71			73		
Outdoor temperature	°FDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
		kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW
	14	17.06	13.38	0.80	19.28	13.36	0.81	20.32	14.74	0.82	21.76	15.47	0.83	23.26	15.82	0.84	23.98	17.59	0.84
	23	16.35	13.05	0.91	18.47	13.03	0.92	19.48	14.38	0.93	20.85	15.09	0.94	22.29	15.44	0.95	22.98	17.16	0.96
	32	16.06	12.92	1.00	18.15	12.90	1.02	19.14	14.23	1.03	20.49	14.94	1.04	21.90	15.28	1.05	22.58	16.98	1.05
	41	15.92	12.85	1.03	17.99	12.84	1.04	18.97	14.16	1.05	20.31	14.86	1.06	21.71	15.20	1.08	22.38	16.90	1.08
	50	16.06	12.92	1.04	18.15	12.90	1.06	19.14	14.23	1.07	20.49	14.94	1.08	21.90	15.28	1.09	22.58	16.98	1.10
	59	16.70	13.22	1.24	18.88	13.20	1.26	19.90	14.56	1.27	21.31	15.28	1.29	22.78	15.63	1.30	23.48	17.37	1.31
	67	19.27	14.42	1.55	21.78	14.40	1.58	22.96	15.89	1.59	24.58	16.67	1.61	26.28	17.06	1.63	27.09	18.95	1.64
	77	18.49	14.02	1.59	20.89	14.00	1.61	22.02	15.44	1.63	23.58	16.20	1.64	25.21	16.58	1.66	25.98	18.42	1.67
	87	17.35	13.45	1.76	19.61	13.44	1.79	20.67	14.82	1.81	22.13	15.55	1.83	23.65	15.91	1.85	24.38	17.68	1.86
	95	18.93	14.21	2.22	21.40	14.19	2.26	22.56	15.66	2.27	24.15	16.43	2.30	25.82	16.81	2.33	26.61	18.68	2.34
	104	16.87	13.29	2.16	19.07	13.28	2.20	20.10	14.65	2.22	21.52	15.37	2.24	23.01	15.72	2.27	23.72	17.48	2.28
115	12.44	11.62	1.87	14.06	11.60	1.90	14.83	12.80	1.92	15.87	13.43	1.94	16.97	13.74	1.96	17.49	15.27	1.97	

Outdoor temperature		Indoor temperature																	
	°CDB	17.8			21.1			23.9			26.7			29.4			32.2		
	°CWB	12.2			15.6			17.2			19.4			21.7			22.8		
	°CDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
		kW			kW			kW			kW			kW			kW		
	-10.0	5.00	3.92	0.80	5.65	3.92	0.81	5.96	4.32	0.82	6.38	4.53	0.83	6.82	4.64	0.84	7.03	5.15	0.84
	-5.0	4.79	3.82	0.91	5.41	3.82	0.92	5.71	4.21	0.93	6.11	4.42	0.94	6.53	4.52	0.95	6.73	5.03	0.96
	0.0	4.71	3.79	1.00	5.32	3.78	1.02	5.61	4.17	1.03	6.00	4.38	1.04	6.42	4.48	1.05	6.62	4.98	1.05
	5.0	4.67	3.77	1.03	5.27	3.76	1.04	5.56	4.15	1.05	5.95	4.35	1.06	6.36	4.46	1.08	6.56	4.95	1.08
	10.0	4.71	3.79	1.04	5.32	3.78	1.06	5.61	4.17	1.07	6.00	4.38	1.08	6.42	4.48	1.09	6.62	4.98	1.10
	15.0	4.90	3.87	1.24	5.53	3.87	1.26	5.83	4.27	1.27	6.24	4.48	1.29	6.68	4.58	1.30	6.88	5.09	1.31
	19.4	5.65	4.23	1.55	6.38	4.22	1.58	6.73	4.66	1.59	7.20	4.89	1.61	7.70	5.00	1.63	7.94	5.56	1.64
	25.0	5.42	4.11	1.59	6.12	4.10	1.61	6.45	4.53	1.63	6.91	4.75	1.64	7.39	4.86	1.66	7.62	5.40	1.67
	30.6	5.08	3.94	1.76	5.75	3.94	1.79	6.06	4.34	1.81	6.49	4.56	1.83	6.93	4.66	1.85	7.15	5.18	1.86
	35.0	5.55	4.17	2.22	6.27	4.16	2.26	6.61	4.59	2.27	7.08	4.82	2.30	7.57	4.93	2.33	7.80	5.48	2.34
	40.0	4.95	3.90	2.16	5.59	3.89	2.20	5.89	4.29	2.22	6.31	4.50	2.24	6.74	4.61	2.27	6.95	5.12	2.28
	46.1	3.65	3.41	1.87	4.12	3.40	1.90	4.34	3.75	1.92	4.65	3.94	1.94	4.97	4.03	1.96	5.13	4.48	1.97

# ● Indoor units: 7,000 Btu + 18,000 Btu

		Indoor temperature																	
°FDB		64			70			75			80			85			90		
°FWB		54			60			63			67			71			73		
Outdoor temperature	°FDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
		kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW
	14	19.44	14.44	1.05	21.97	14.42	1.06	23.16	15.91	1.07	24.80	16.70	1.08	26.51	17.08	1.10	27.33	18.98	1.10
	23	18.63	14.09	1.18	21.06	14.07	1.21	22.20	15.52	1.22	23.77	16.29	1.23	25.41	16.67	1.24	26.19	18.52	1.25
	32	18.31	13.95	1.31	20.69	13.93	1.33	21.81	15.37	1.34	23.35	16.12	1.36	24.96	16.50	1.37	25.74	18.33	1.38
	41	18.15	13.87	1.34	20.51	13.86	1.37	21.62	15.29	1.38	23.15	16.04	1.39	24.74	16.41	1.41	25.51	18.24	1.42
	50	18.31	13.95	1.36	20.69	13.93	1.38	21.81	15.37	1.39	23.35	16.12	1.41	24.96	16.50	1.43	25.74	18.33	1.43
	59	18.83	14.18	1.59	21.28	14.16	1.61	22.43	15.62	1.63	24.02	16.39	1.65	25.68	16.77	1.66	26.47	18.64	1.67
	67	21.52	15.38	1.94	24.32	15.36	1.97	25.64	16.95	1.99	27.45	17.78	2.01	29.34	18.19	2.04	30.25	20.22	2.05
	77	20.64	14.95	1.98	23.33	14.93	2.02	24.59	16.47	2.04	26.33	17.28	2.06	28.14	17.68	2.08	29.01	19.65	2.09
	87	19.37	14.35	2.20	21.89	14.33	2.24	23.08	15.81	2.26	24.71	16.59	2.28	26.41	16.97	2.31	27.23	18.86	2.32
	95	20.15	14.74	2.39	22.77	14.72	2.44	24.00	16.24	2.46	25.70	17.04	2.48	27.47	17.44	2.51	28.32	19.38	2.52
	104	16.90	13.31	2.00	19.10	13.30	2.04	20.13	14.67	2.05	21.55	15.39	2.08	23.04	15.75	2.10	23.75	17.50	2.11
115	12.43	11.69	1.81	14.04	11.68	1.84	14.81	12.88	1.86	15.85	13.52	1.88	16.95	13.83	1.90	17.47	15.37	1.91	

OUTDOOR UNIT (3-unit  
type)  
AOU24RLXFZH

OUTDOOR UNIT (3-unit  
type)  
AOU24RLXFZH

Outdoor temperature		Indoor temperature																	
	°CDB	17.8			21.1			23.9			26.7			29.4			32.2		
	°CWB	12.2			15.6			17.2			19.4			21.7			22.8		
	°CDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
		kW			kW			kW			kW			kW			kW		
		-10.0	5.70	4.23	1.05	6.44	4.23	1.06	6.79	4.66	1.07	7.27	4.89	1.08	7.77	5.01	1.10	8.01	5.56
-5.0		5.46	4.13	1.18	6.17	4.12	1.21	6.51	4.55	1.22	6.97	4.77	1.23	7.45	4.88	1.24	7.68	5.43	1.25
0.0	5.37	4.09	1.31	6.06	4.08	1.33	6.39	4.50	1.34	6.84	4.73	1.36	7.32	4.83	1.37	7.54	5.37	1.38	
5.0	5.32	4.07	1.34	6.01	4.06	1.37	6.34	4.48	1.38	6.78	4.70	1.39	7.25	4.81	1.41	7.48	5.35	1.42	
10.0	5.37	4.09	1.36	6.06	4.08	1.38	6.39	4.50	1.39	6.84	4.73	1.41	7.32	4.83	1.43	7.54	5.37	1.43	
15.0	5.52	4.15	1.59	6.24	4.15	1.61	6.58	4.58	1.63	7.04	4.80	1.65	7.53	4.91	1.66	7.76	5.46	1.67	
19.4	6.31	4.51	1.94	7.13	4.50	1.97	7.51	4.97	1.99	8.04	5.21	2.01	8.60	5.33	2.04	8.87	5.93	2.05	
25.0	6.05	4.38	1.98	6.84	4.38	2.02	7.21	4.83	2.04	7.72	5.07	2.06	8.25	5.18	2.08	8.50	5.76	2.09	
30.6	5.68	4.21	2.20	6.42	4.20	2.24	6.76	4.63	2.26	7.24	4.86	2.28	7.74	4.97	2.31	7.98	5.53	2.32	
35.0	5.91	4.32	2.39	6.67	4.32	2.44	7.04	4.76	2.46	7.53	5.00	2.48	8.05	5.11	2.51	8.30	5.68	2.52	
40.0	4.95	3.90	2.00	5.60	3.90	2.04	5.90	4.30	2.05	6.32	4.51	2.08	6.75	4.62	2.10	6.96	5.13	2.11	
46.1	3.64	3.43	1.81	4.12	3.42	1.84	4.34	3.77	1.86	4.65	3.96	1.88	4.97	4.05	1.90	5.12	4.50	1.91	

# ● Indoor units: 9,000 Btu + 9,000 Btu

		Indoor temperature																							
		°FDB			64			70			75			80			85			90					
		°FWB			54			60			63			67			71			73					
Outdoor temperature	°FDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP						
		kBtu/h			kW			kBtu/h			kW			kBtu/h			kW			kBtu/h			kW		
	14	15.07	11.87	0.66	17.03	11.86	0.67	17.95	13.08	0.67	19.22	13.73	0.68	20.54	14.04	0.69	21.18	15.61	0.69						
	23	14.44	11.58	0.74	16.32	11.57	0.76	17.20	12.76	0.76	18.42	13.39	0.77	19.69	13.70	0.78	20.30	15.23	0.78						
	32	14.19	11.47	0.82	16.03	11.45	0.84	16.90	12.63	0.84	18.10	13.26	0.85	19.35	13.56	0.86	19.94	15.07	0.87						
	41	14.06	11.41	0.84	15.89	11.39	0.86	16.75	12.57	0.86	17.94	13.19	0.87	19.17	13.49	0.88	19.77	14.99	0.89						
	50	14.19	11.47	0.85	16.03	11.45	0.87	16.90	12.63	0.88	18.10	13.26	0.89	19.35	13.56	0.90	19.94	15.07	0.90						
	59	14.56	11.64	0.99	16.45	11.62	1.01	17.35	12.82	1.02	18.57	13.46	1.03	19.85	13.77	1.04	20.47	15.30	1.05						
	67	16.99	12.78	1.27	19.21	12.77	1.29	20.25	14.08	1.30	21.68	14.78	1.32	23.17	15.12	1.33	23.89	16.81	1.34						
	77	16.30	12.43	1.30	18.42	12.41	1.32	19.42	13.69	1.33	20.79	14.37	1.35	22.23	14.70	1.36	22.91	16.34	1.37						
	87	15.30	11.93	1.44	17.29	11.91	1.46	18.22	13.14	1.48	19.51	13.79	1.49	20.86	14.11	1.51	21.50	15.68	1.52						
	95	16.86	12.67	1.95	19.05	12.66	1.99	20.08	13.96	2.00	21.50	14.65	2.02	22.98	14.99	2.05	23.69	16.66	2.06						
	104	15.98	12.29	2.17	18.06	12.27	2.20	19.04	13.54	2.22	20.39	14.20	2.25	21.80	14.53	2.27	22.47	16.15	2.29						
115	12.45	10.96	1.90	14.07	10.94	1.94	14.83	12.07	1.95	15.88	12.67	1.97	16.98	12.96	2.00	17.50	14.40	2.01							

		Indoor temperature																	
		17.8			21.1			23.9			26.7			29.4			32.2		
		12.2			15.6			17.2			19.4			21.7			22.8		
Outdoor temperature	°CDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
		kW			kW			kW			kW			kW			kW		
	-10.0	4.42	3.48	0.66	4.99	3.48	0.67	5.26	3.83	0.67	5.63	4.02	0.68	6.02	4.12	0.69	6.21	4.57	0.69
	-5.0	4.23	3.39	0.74	4.78	3.39	0.76	5.04	3.74	0.76	5.40	3.92	0.77	5.77	4.02	0.78	5.95	4.46	0.78
	0.0	4.16	3.36	0.82	4.70	3.36	0.84	4.95	3.70	0.84	5.30	3.88	0.85	5.67	3.97	0.86	5.84	4.42	0.87
	5.0	4.12	3.34	0.84	4.66	3.34	0.86	4.91	3.68	0.86	5.26	3.86	0.87	5.62	3.95	0.88	5.79	4.39	0.89
	10.0	4.16	3.36	0.85	4.70	3.36	0.87	4.95	3.70	0.88	5.30	3.88	0.89	5.67	3.97	0.90	5.84	4.42	0.90
	15.0	4.27	3.41	0.99	4.82	3.41	1.01	5.08	3.76	1.02	5.44	3.94	1.03	5.82	4.03	1.04	6.00	4.48	1.05
	19.4	4.98	3.75	1.27	5.63	3.74	1.29	5.93	4.13	1.30	6.35	4.33	1.32	6.79	4.43	1.33	7.00	4.93	1.34
	25.0	4.78	3.64	1.30	5.40	3.64	1.32	5.69	4.01	1.33	6.09	4.21	1.35	6.51	4.31	1.36	6.72	4.79	1.37
	30.6	4.48	3.50	1.44	5.07	3.49	1.46	5.34	3.85	1.48	5.72	4.04	1.49	6.11	4.13	1.51	6.30	4.60	1.52
	35.0	4.94	3.71	1.95	5.58	3.71	1.99	5.89	4.09	2.00	6.30	4.29	2.02	6.74	4.39	2.05	6.94	4.88	2.06
40.0	4.68	3.60	2.17	5.29	3.60	2.20	5.58	3.97	2.22	5.98	4.16	2.25	6.39	4.26	2.27	6.59	4.73	2.29	
46.1	3.65	3.21	1.90	4.12	3.21	1.94	4.35	3.54	1.95	4.65	3.71	1.97	4.98	3.80	2.00	5.13	4.22	2.01	

# ● Indoor units: 9,000 Btu + 12,000 Btu

		Indoor temperature																	
°FDB		64			70			75			80			85			90		
°FWB		54			60			63			67			71			73		
Outdoor temperature	°FDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
		kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW
	14	15.69	12.43	0.71	17.73	12.42	0.72	18.69	13.70	0.72	20.01	14.37	0.73	21.39	14.71	0.74	22.05	16.34	0.74
	23	15.04	12.13	0.80	16.99	12.12	0.81	17.91	13.36	0.82	19.18	14.02	0.83	20.50	14.35	0.84	21.13	15.95	0.84
	32	14.77	12.01	0.88	16.70	11.99	0.90	17.60	13.23	0.91	18.84	13.88	0.92	20.15	14.20	0.93	20.77	15.78	0.93
	41	14.64	11.95	0.91	16.55	11.93	0.92	17.45	13.16	0.93	18.68	13.81	0.94	19.97	14.13	0.95	20.58	15.70	0.96
	50	14.77	12.01	0.92	16.70	11.99	0.93	17.60	13.23	0.94	18.84	13.88	0.95	20.15	14.20	0.96	20.77	15.78	0.97
	59	15.28	12.24	1.08	17.27	12.23	1.10	18.20	13.49	1.11	19.49	14.16	1.12	20.84	14.48	1.14	21.48	16.10	1.14
	67	18.83	13.88	1.56	21.28	13.86	1.58	22.44	15.29	1.60	24.02	16.05	1.61	25.68	16.42	1.63	26.47	18.25	1.64
	77	18.07	13.49	1.59	20.42	13.48	1.62	21.52	14.87	1.63	23.04	15.60	1.65	24.63	15.96	1.67	25.39	17.74	1.68
	87	16.95	12.95	1.77	19.16	12.93	1.80	20.20	14.27	1.81	21.62	14.97	1.83	23.12	15.32	1.85	23.83	17.02	1.86
	95	18.50	13.68	2.12	20.91	13.66	2.16	22.04	15.07	2.17	23.60	15.82	2.20	25.23	16.18	2.22	26.01	17.99	2.24
	104	16.63	12.86	2.02	18.79	12.84	2.06	19.81	14.17	2.08	21.21	14.87	2.10	22.67	15.21	2.12	23.37	16.90	2.14
115	12.42	11.30	1.89	14.03	11.28	1.92	14.79	12.45	1.94	15.84	13.06	1.96	16.93	13.36	1.98	17.45	14.85	1.99	

OUTDOOR UNIT (3-unit  
type)  
AOU24RLXFZH

OUTDOOR UNIT (3-unit  
type)  
AOU24RLXFZH

Outdoor temperature		Indoor temperature																	
	°CDB	17.8			21.1			23.9			26.7			29.4			32.2		
	°CWB	12.2			15.6			17.2			19.4			21.7			22.8		
	°CDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
		kW			kW			kW			kW			kW			kW		
-10.0	4.60	3.64	0.71	5.20	3.64	0.72	5.48	4.01	0.72	5.87	4.21	0.73	6.27	4.31	0.74	6.46	4.79	0.74	
-5.0	4.41	3.56	0.80	4.98	3.55	0.81	5.25	3.92	0.82	5.62	4.11	0.83	6.01	4.21	0.84	6.19	4.67	0.84	
0.0	4.33	3.52	0.88	4.89	3.51	0.90	5.16	3.88	0.91	5.52	4.07	0.92	5.90	4.16	0.93	6.09	4.63	0.93	
5.0	4.29	3.50	0.91	4.85	3.50	0.92	5.11	3.86	0.93	5.47	4.05	0.94	5.85	4.14	0.95	6.03	4.60	0.96	
10.0	4.33	3.52	0.92	4.89	3.51	0.93	5.16	3.88	0.94	5.52	4.07	0.95	5.90	4.16	0.96	6.09	4.63	0.97	
15.0	4.48	3.59	1.08	5.06	3.58	1.10	5.34	3.95	1.11	5.71	4.15	1.12	6.11	4.24	1.14	6.30	4.72	1.14	
19.4	5.52	4.07	1.56	6.24	4.06	1.58	6.58	4.48	1.60	7.04	4.70	1.61	7.53	4.81	1.63	7.76	5.35	1.64	
25.0	5.29	3.95	1.59	5.98	3.95	1.62	6.31	4.36	1.63	6.75	4.57	1.65	7.22	4.68	1.67	7.44	5.20	1.68	
30.6	4.97	3.80	1.77	5.62	3.79	1.80	5.92	4.18	1.81	6.34	4.39	1.83	6.77	4.49	1.85	6.98	4.99	1.86	
35.0	5.42	4.01	2.12	6.13	4.00	2.16	6.46	4.42	2.17	6.92	4.64	2.20	7.39	4.74	2.22	7.62	5.27	2.24	
40.0	4.87	3.77	2.02	5.51	3.76	2.06	5.81	4.15	2.08	6.22	4.36	2.10	6.64	4.46	2.12	6.85	4.95	2.14	
46.1	3.64	3.31	1.89	4.11	3.31	1.92	4.34	3.65	1.94	4.64	3.83	1.96	4.96	3.92	1.98	5.11	4.35	1.99	

# ● Indoor units: 9,000 Btu + 14,000 Btu

		Indoor temperature																			
		64			70			75			80			85			90				
		54			60			63			67			71			73				
Outdoor temperature	°FDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP		
	°FWB	kBtu/h			kW	kBtu/h			kW	kBtu/h			kW	kBtu/h			kW	kBtu/h			kW
	14	17.42	13.68	0.83	19.68	13.66	0.84	20.75	15.07	0.85	22.22	15.81	0.86	23.75	16.18	0.87	24.48	17.98	0.87		
	23	16.69	13.34	0.94	18.86	13.33	0.95	19.88	14.70	0.96	21.29	15.43	0.97	22.76	15.78	0.98	23.46	17.54	0.99		
	32	16.40	13.21	1.03	18.53	13.19	1.05	19.54	14.55	1.06	20.92	15.27	1.07	22.36	15.63	1.09	23.05	17.37	1.09		
	41	16.26	13.14	1.06	18.37	13.13	1.08	19.37	14.48	1.09	20.73	15.19	1.10	22.16	15.54	1.11	22.85	17.28	1.12		
	50	16.40	13.21	1.08	18.53	13.19	1.09	19.54	14.55	1.10	20.92	15.27	1.12	22.36	15.63	1.13	23.05	17.37	1.13		
	59	17.32	13.63	1.33	19.57	13.62	1.35	20.63	15.02	1.36	22.09	15.76	1.38	23.61	16.13	1.39	24.34	17.92	1.40		
	67	19.64	14.72	1.60	22.19	14.71	1.62	23.39	16.22	1.64	25.05	17.02	1.66	26.77	17.42	1.68	27.60	19.36	1.68		
	77	18.83	14.31	1.63	21.28	14.30	1.66	22.44	15.77	1.68	24.02	16.55	1.69	25.68	16.93	1.71	26.47	18.82	1.72		
	87	17.67	13.74	1.81	19.97	13.72	1.84	21.06	15.13	1.86	22.54	15.88	1.88	24.10	16.25	1.90	24.84	18.06	1.91		
	95	19.44	14.58	2.27	21.97	14.56	2.31	23.16	16.06	2.33	24.80	16.86	2.35	26.51	17.25	2.38	27.33	19.17	2.39		
	104	16.45	13.23	1.97	18.59	13.22	2.00	19.59	14.58	2.02	20.98	15.30	2.04	22.43	15.65	2.06	23.12	17.39	2.07		
115	12.13	11.63	1.74	13.71	11.61	1.77	14.45	12.81	1.79	15.47	13.44	1.81	16.54	13.75	1.83	17.05	15.28	1.84			

		Indoor temperature																	
		17.8			21.1			23.9			26.7			29.4			32.2		
		12.2			15.6			17.2			19.4			21.7			22.8		
Outdoor temperature	°CDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
		kW			kW			kW			kW			kW			kW		
	-10.0	5.10	4.01	0.83	5.77	4.00	0.84	6.08	4.42	0.85	6.51	4.63	0.86	6.96	4.74	0.87	7.18	5.27	0.87
	-5.0	4.89	3.91	0.94	5.53	3.91	0.95	5.83	4.31	0.96	6.24	4.52	0.97	6.67	4.63	0.98	6.88	5.14	0.99
	0.0	4.81	3.87	1.03	5.43	3.87	1.05	5.73	4.27	1.06	6.13	4.48	1.07	6.55	4.58	1.09	6.76	5.09	1.09
	5.0	4.76	3.85	1.06	5.38	3.85	1.08	5.68	4.24	1.09	6.08	4.45	1.10	6.50	4.56	1.11	6.70	5.06	1.12
	10.0	4.81	3.87	1.08	5.43	3.87	1.09	5.73	4.27	1.10	6.13	4.48	1.12	6.55	4.58	1.13	6.76	5.09	1.13
	15.0	5.08	4.00	1.33	5.74	3.99	1.35	6.05	4.40	1.36	6.47	4.62	1.38	6.92	4.73	1.39	7.13	5.25	1.40
	19.4	5.75	4.32	1.60	6.50	4.31	1.62	6.86	4.75	1.64	7.34	4.99	1.66	7.85	5.10	1.68	8.09	5.67	1.68
	25.0	5.52	4.19	1.63	6.24	4.19	1.66	6.58	4.62	1.68	7.04	4.85	1.69	7.53	4.96	1.71	7.76	5.51	1.72
	30.6	5.18	4.03	1.81	5.85	4.02	1.84	6.17	4.44	1.86	6.61	4.65	1.88	7.06	4.76	1.90	7.28	5.29	1.91
	35.0	5.70	4.27	2.27	6.44	4.27	2.31	6.79	4.71	2.33	7.27	4.94	2.35	7.77	5.05	2.38	8.01	5.62	2.39
40.0	4.82	3.88	1.97	5.45	3.87	2.00	5.74	4.27	2.02	6.15	4.48	2.04	6.57	4.59	2.06	6.78	5.10	2.07	
46.1	3.55	3.41	1.74	4.02	3.40	1.77	4.24	3.75	1.79	4.53	3.94	1.81	4.85	4.03	1.83	5.00	4.48	1.84	

## ● Indoor units: 9,000 Btu + 18,000 Btu

		Indoor temperature																	
	°FDB	64			70			75			80			85			90		
	°FWB	54			60			63			67			71			73		
Outdoor temperature	°FDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
		kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW
	14	19.67	14.86	1.05	22.23	14.84	1.06	23.43	16.37	1.07	25.09	17.18	1.08	26.82	17.57	1.10	27.65	19.53	1.10
	23	18.85	14.50	1.18	21.30	14.48	1.21	22.46	15.97	1.22	24.04	16.76	1.23	25.70	17.15	1.24	26.50	19.06	1.25
	32	18.52	14.35	1.31	20.93	14.33	1.33	22.07	15.81	1.34	23.63	16.59	1.36	25.26	16.97	1.37	26.04	18.86	1.38
	41	18.36	14.27	1.34	20.75	14.26	1.37	21.87	15.73	1.38	23.42	16.50	1.39	25.03	16.88	1.41	25.81	18.77	1.42
	50	18.52	14.35	1.36	20.93	14.33	1.38	22.07	15.81	1.39	23.63	16.59	1.41	25.26	16.97	1.43	26.04	18.86	1.43
	59	19.88	14.95	1.74	22.47	14.93	1.77	23.68	16.47	1.78	25.36	17.28	1.80	27.11	17.68	1.82	27.94	19.65	1.83
	67	22.10	15.96	2.00	24.97	15.94	2.04	26.32	17.58	2.05	28.18	18.45	2.08	30.13	18.88	2.10	31.06	20.98	2.11
	77	21.19	15.51	2.05	23.95	15.50	2.08	25.25	17.09	2.10	27.03	17.94	2.12	28.90	18.35	2.15	29.79	20.40	2.16
	87	19.89	14.89	2.27	22.48	14.87	2.31	23.70	16.40	2.33	25.37	17.21	2.36	27.12	17.61	2.38	27.96	19.57	2.40
	95	20.38	15.17	2.39	23.04	15.15	2.44	24.28	16.71	2.46	26.00	17.54	2.48	27.79	17.94	2.51	28.65	19.94	2.52
	104	17.00	13.65	2.00	19.21	13.63	2.04	20.25	15.04	2.05	21.68	15.78	2.08	23.18	16.15	2.10	23.89	17.94	2.11
115	12.57	12.03	1.81	14.21	12.01	1.84	14.98	13.25	1.86	16.04	13.91	1.88	17.14	14.23	1.90	17.67	15.81	1.91	

OUTDOOR UNIT (3-unit  
type)  
AOU24RLXFZH

OUTDOOR UNIT (3-unit  
type)  
AOU24RLXFZH

	Indoor temperature																		
	°CDB	17.8			21.1			23.9			26.7			29.4			32.2		
	°CWB	12.2			15.6			17.2			19.4			21.7			22.8		
	°CDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
Outdoor temperature		kW			kW			kW			kW			kW			kW		
	-10.0	5.77	4.35	1.05	6.52	4.35	1.06	6.87	4.80	1.07	7.35	5.03	1.08	7.86	5.15	1.10	8.10	5.72	1.10
	-5.0	5.52	4.25	1.18	6.24	4.24	1.21	6.58	4.68	1.22	7.05	4.91	1.23	7.53	5.03	1.24	7.77	5.58	1.25
	0.0	5.43	4.21	1.31	6.14	4.20	1.33	6.47	4.63	1.34	6.92	4.86	1.36	7.40	4.97	1.37	7.63	5.53	1.38
	5.0	5.38	4.18	1.34	6.08	4.18	1.37	6.41	4.61	1.38	6.86	4.84	1.39	7.34	4.95	1.41	7.56	5.50	1.42
	10.0	5.43	4.21	1.36	6.14	4.20	1.38	6.47	4.63	1.39	6.92	4.86	1.41	7.40	4.97	1.43	7.63	5.53	1.43
	15.0	5.83	4.38	1.74	6.58	4.38	1.77	6.94	4.83	1.78	7.43	5.07	1.80	7.94	5.18	1.82	8.19	5.76	1.83
	19.4	6.48	4.68	2.00	7.32	4.67	2.04	7.72	5.15	2.05	8.26	5.41	2.08	8.83	5.53	2.10	9.10	6.15	2.11
	25.0	6.21	4.55	2.05	7.02	4.54	2.08	7.40	5.01	2.10	7.92	5.26	2.12	8.47	5.38	2.15	8.73	5.98	2.16
	30.6	5.83	4.36	2.27	6.59	4.36	2.31	6.94	4.81	2.33	7.44	5.05	2.36	7.95	5.16	2.38	8.19	5.74	2.40
	35.0	5.97	4.45	2.39	6.75	4.44	2.44	7.12	4.90	2.46	7.62	5.14	2.48	8.15	5.26	2.51	8.40	5.84	2.52
	40.0	4.98	4.00	2.00	5.63	4.00	2.04	5.93	4.41	2.05	6.35	4.63	2.08	6.79	4.73	2.10	7.00	5.26	2.11
	46.1	3.68	3.53	1.81	4.16	3.52	1.84	4.39	3.88	1.86	4.70	4.08	1.88	5.02	4.17	1.90	5.18	4.63	1.91

## ● Indoor units: 12,000 Btu + 12,000 Btu

		Indoor temperature																	
	°FDB	64			70			75			80			85			90		
	°FWB	54			60			63			67			71			73		
Outdoor temperature	°FDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
		kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW
	14	16.79	13.20	0.80	18.97	13.19	0.82	20.00	14.55	0.82	21.41	15.27	0.83	22.89	15.62	0.84	23.60	17.36	0.85
	23	16.09	12.88	0.91	18.18	12.87	0.93	19.17	14.19	0.93	20.52	14.89	0.94	21.94	15.24	0.96	22.62	16.94	0.96
	32	15.81	12.75	1.00	17.87	12.74	1.02	18.83	14.05	1.03	20.17	14.74	1.04	21.56	15.08	1.05	22.22	16.76	1.06
	41	15.67	12.69	1.03	17.71	12.67	1.05	18.67	13.98	1.06	19.99	14.67	1.07	21.37	15.01	1.08	22.03	16.68	1.09
	50	15.81	12.75	1.04	17.87	12.74	1.06	18.83	14.05	1.07	20.17	14.74	1.08	21.56	15.08	1.10	22.22	16.76	1.10
	59	16.44	13.05	1.25	18.58	13.03	1.27	19.59	14.37	1.28	20.97	15.08	1.29	22.42	15.43	1.31	23.11	17.15	1.32
	67	20.60	14.93	1.86	23.28	14.91	1.89	24.54	16.45	1.90	26.28	17.26	1.92	28.09	17.66	1.95	28.96	19.63	1.96
	77	19.76	14.51	1.90	22.33	14.50	1.93	23.54	15.99	1.95	25.21	16.78	1.97	26.94	17.17	1.99	27.78	19.08	2.00
	87	18.54	13.93	2.11	20.96	13.91	2.14	22.09	15.35	2.16	23.65	16.10	2.18	25.29	16.48	2.21	26.07	18.31	2.22
	95	19.60	14.45	2.36	22.15	14.43	2.40	23.35	15.91	2.42	25.00	16.70	2.45	26.73	17.09	2.48	27.55	18.99	2.49
	104	16.86	13.24	2.07	19.05	13.22	2.10	20.09	14.58	2.12	21.51	15.30	2.14	22.99	15.66	2.17	23.70	17.40	2.18
115	12.56	11.67	1.88	14.20	11.65	1.91	14.97	12.85	1.93	16.02	13.49	1.95	17.13	13.80	1.97	17.66	15.34	1.98	

		Indoor temperature																	
°CDB	17.8			21.1			23.9			26.7			29.4			32.2			
°CWB	12.2			15.6			17.2			19.4			21.7			22.8			
Outdoor temperature	°CDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
		kW			kW			kW			kW			kW			kW		
	-10.0	4.92	3.87	0.80	5.56	3.87	0.82	5.86	4.26	0.82	6.28	4.47	0.83	6.71	4.58	0.84	6.92	5.09	0.85
	-5.0	4.72	3.78	0.91	5.33	3.77	0.93	5.62	4.16	0.93	6.01	4.37	0.94	6.43	4.47	0.96	6.63	4.96	0.96
	0.0	4.63	3.74	1.00	5.24	3.73	1.02	5.52	4.12	1.03	5.91	4.32	1.04	6.32	4.42	1.05	6.51	4.91	1.06
	5.0	4.59	3.72	1.03	5.19	3.71	1.05	5.47	4.10	1.06	5.86	4.30	1.07	6.26	4.40	1.08	6.46	4.89	1.09
	10.0	4.63	3.74	1.04	5.24	3.73	1.06	5.52	4.12	1.07	5.91	4.32	1.08	6.32	4.42	1.10	6.51	4.91	1.10
	15.0	4.82	3.82	1.25	5.45	3.82	1.27	5.74	4.21	1.28	6.15	4.42	1.29	6.57	4.52	1.31	6.77	5.03	1.32
	19.4	6.04	4.38	1.86	6.82	4.37	1.89	7.19	4.82	1.90	7.70	5.06	1.92	8.23	5.18	1.95	8.49	5.75	1.96
	25.0	5.79	4.25	1.90	6.55	4.25	1.93	6.90	4.69	1.95	7.39	4.92	1.97	7.90	5.03	1.99	8.14	5.59	2.00
	30.6	5.44	4.08	2.11	6.14	4.08	2.14	6.47	4.50	2.16	6.93	4.72	2.18	7.41	4.83	2.21	7.64	5.37	2.22
	35.0	5.74	4.23	2.36	6.49	4.23	2.40	6.84	4.66	2.42	7.33	4.89	2.45	7.83	5.01	2.48	8.07	5.57	2.49
40.0	4.94	3.88	2.07	5.58	3.87	2.10	5.89	4.27	2.12	6.30	4.49	2.14	6.74	4.59	2.17	6.95	5.10	2.18	
46.1	3.68	3.42	1.88	4.16	3.42	1.91	4.39	3.77	1.93	4.70	3.95	1.95	5.02	4.05	1.97	5.18	4.50	1.98	

# ● Indoor units: 12,000 Btu + 14,000 Btu

		Indoor temperature																	
°FDB		64			70			75			80			85			90		
°FWB		54			60			63			67			71			73		
Outdoor temperature	°FDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
		kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW
	14	20.43	15.69	1.05	23.08	15.67	1.06	24.34	17.28	1.07	26.05	18.13	1.08	27.85	18.55	1.10	28.71	20.62	1.10
	23	19.58	15.30	1.18	22.12	15.28	1.21	23.32	16.86	1.22	24.97	17.69	1.23	26.69	18.10	1.24	27.52	20.12	1.25
	32	19.24	15.15	1.31	21.74	15.13	1.33	22.92	16.69	1.34	24.53	17.51	1.36	26.23	17.92	1.37	27.04	19.91	1.38
	41	19.07	15.07	1.34	21.55	15.05	1.37	22.71	16.60	1.38	24.32	17.42	1.39	26.00	17.83	1.41	26.80	19.81	1.42
	50	19.24	15.15	1.36	21.74	15.13	1.38	22.92	16.69	1.39	24.53	17.51	1.41	26.23	17.92	1.43	27.04	19.91	1.43
	59	19.78	15.40	1.59	22.36	15.38	1.61	23.57	16.96	1.63	25.23	17.80	1.65	26.98	18.21	1.66	27.81	20.24	1.67
	67	22.95	16.85	2.00	25.93	16.83	2.04	27.34	18.56	2.05	29.27	19.48	2.08	31.29	19.93	2.10	32.25	22.15	2.11
	77	22.01	16.38	2.05	24.87	16.36	2.08	26.22	18.05	2.10	28.07	18.94	2.12	30.01	19.37	2.15	30.94	21.53	2.16
	87	20.65	15.72	2.27	23.34	15.70	2.31	24.61	17.32	2.33	26.35	18.17	2.36	28.16	18.59	2.38	29.03	20.67	2.40
	95	21.17	16.01	2.34	23.92	15.99	2.38	25.22	17.64	2.40	27.00	18.51	2.43	28.86	18.94	2.45	29.75	21.05	2.47
	104	17.65	14.41	1.95	19.95	14.39	1.99	21.03	15.88	2.01	22.51	16.66	2.03	24.07	17.05	2.05	24.81	18.94	2.06
115	13.06	12.70	1.81	14.76	12.68	1.84	15.55	13.99	1.86	16.65	14.68	1.88	17.80	15.02	1.90	18.35	16.69	1.91	

OUTDOOR UNIT (3-unit  
type)  
AOU24RLXFZH

OUTDOOR UNIT (3-unit  
type)  
AOU24RLXFZH

		Indoor temperature																	
	°CDB	17.8			21.1			23.9			26.7			29.4			32.2		
	°CWB	12.2			15.6			17.2			19.4			21.7			22.8		
Outdoor temperature	°CDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
		kW			kW			kW			kW			kW			kW		
	-10.0	5.99	4.60	1.05	6.77	4.59	1.06	7.13	5.06	1.07	7.64	5.31	1.08	8.16	5.44	1.10	8.42	6.04	1.10
	-5.0	5.74	4.49	1.18	6.48	4.48	1.21	6.84	4.94	1.22	7.32	5.19	1.23	7.82	5.31	1.24	8.06	5.90	1.25
	0.0	5.64	4.44	1.31	6.37	4.43	1.33	6.72	4.89	1.34	7.19	5.13	1.36	7.69	5.25	1.37	7.92	5.84	1.38
	5.0	5.59	4.42	1.34	6.31	4.41	1.37	6.66	4.87	1.38	7.13	5.11	1.39	7.62	5.22	1.41	7.85	5.81	1.42
	10.0	5.64	4.44	1.36	6.37	4.43	1.38	6.72	4.89	1.39	7.19	5.13	1.41	7.69	5.25	1.43	7.92	5.84	1.43
	15.0	5.80	4.51	1.59	6.55	4.51	1.61	6.91	4.97	1.63	7.40	5.22	1.65	7.91	5.34	1.66	8.15	5.93	1.67
	19.4	6.73	4.94	2.00	7.60	4.93	2.04	8.01	5.44	2.05	8.58	5.71	2.08	9.17	5.84	2.10	9.45	6.49	2.11
	25.0	6.45	4.80	2.05	7.29	4.79	2.08	7.68	5.29	2.10	8.23	5.55	2.12	8.80	5.68	2.15	9.07	6.31	2.16
	30.6	6.05	4.61	2.27	6.84	4.60	2.31	7.21	5.08	2.33	7.72	5.33	2.36	8.25	5.45	2.38	8.51	6.06	2.40
	35.0	6.20	4.69	2.34	7.01	4.69	2.38	7.39	5.17	2.40	7.91	5.43	2.43	8.46	5.55	2.45	8.72	6.17	2.47
	40.0	5.17	4.22	1.95	5.85	4.22	1.99	6.16	4.65	2.01	6.60	4.88	2.03	7.05	5.00	2.05	7.27	5.55	2.06
46.1	3.83	3.72	1.81	4.32	3.72	1.84	4.56	4.10	1.86	4.88	4.30	1.88	5.22	4.40	1.90	5.38	4.89	1.91	

# ● Indoor units: 7,000 Btu + 7,000 Btu + 7,000 Btu

		Indoor temperature																	
		°FDB 64			70			75			80			85			90		
		°FWB 54			60			63			67			71			73		
Outdoor temperature	°FDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
		kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW
	14	17.92	14.58	0.73	20.25	14.56	0.74	21.35	16.06	0.75	22.86	16.85	0.79	24.44	17.24	0.76	25.19	19.16	0.77
	23	17.18	14.22	0.82	19.41	14.20	0.84	20.46	15.67	0.84	21.91	16.44	0.89	23.42	16.82	0.86	24.14	18.70	0.87
	32	16.88	14.08	0.91	19.07	14.06	0.92	20.11	15.51	0.93	21.53	16.28	0.98	23.01	16.65	0.95	23.72	18.51	0.96
	41	16.73	14.01	0.93	18.90	13.99	0.95	19.93	15.43	0.96	21.34	16.19	1.01	22.81	16.57	0.98	23.51	18.41	0.98
	50	16.88	14.08	0.94	19.07	14.06	0.96	20.11	15.51	0.97	21.53	16.28	1.02	23.01	16.65	0.99	23.72	18.51	1.00
	59	16.43	13.86	0.98	18.57	13.84	1.00	19.57	15.27	1.01	20.96	16.02	1.06	22.40	16.39	1.03	23.09	18.22	1.03
	67	20.99	16.04	1.52	23.72	16.02	1.55	25.00	17.67	1.56	26.77	18.55	1.64	28.61	18.97	1.59	29.50	21.09	1.60
	77	20.13	15.59	1.55	22.75	15.57	1.58	23.98	17.18	1.59	25.67	18.03	1.68	27.45	18.44	1.63	28.29	20.50	1.64
	87	18.89	14.97	1.72	21.35	14.95	1.75	22.50	16.49	1.77	24.09	17.30	1.86	25.76	17.70	1.81	26.55	19.67	1.82
	95	20.15	15.60	2.11	22.77	15.58	2.15	24.00	17.19	2.17	25.70	18.04	2.28	27.47	18.45	2.22	28.32	20.51	2.23
	104	18.22	14.72	2.14	20.59	14.70	2.18	21.70	16.21	2.20	23.24	17.01	2.31	24.84	17.41	2.25	25.61	19.35	2.26
115	13.58	12.91	1.81	15.35	12.90	1.84	16.18	14.22	1.86	17.32	14.93	1.96	18.52	15.27	1.90	19.09	16.97	1.91	

		Indoor temperature																	
°CDB		17.8			21.1			23.9			26.7			29.4			32.2		
°CWB		12.2			15.6			17.2			19.4			21.7			22.8		
Outdoor temperature	°CDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
		kW			kW			kW			kW			kW			kW		
	-10.0	5.25	4.27	0.73	5.94	4.27	0.74	6.26	4.71	0.75	6.70	4.94	0.79	7.16	5.05	0.76	7.38	5.62	0.77
	-5.0	5.03	4.17	0.82	5.69	4.16	0.84	6.00	4.59	0.84	6.42	4.82	0.89	6.86	4.93	0.86	7.08	5.48	0.87
	0.0	4.95	4.13	0.91	5.59	4.12	0.92	5.89	4.55	0.93	6.31	4.77	0.98	6.74	4.88	0.95	6.95	5.42	0.96
	5.0	4.90	4.10	0.93	5.54	4.10	0.95	5.84	4.52	0.96	6.25	4.75	1.01	6.68	4.86	0.98	6.89	5.40	0.98
	10.0	4.95	4.13	0.94	5.59	4.12	0.96	5.89	4.55	0.97	6.31	4.77	1.02	6.74	4.88	0.99	6.95	5.42	1.00
	15.0	4.81	4.06	0.98	5.44	4.06	1.00	5.74	4.48	1.01	6.14	4.70	1.06	6.57	4.80	1.03	6.77	5.34	1.03
	19.4	6.15	4.70	1.52	6.95	4.70	1.55	7.33	5.18	1.56	7.84	5.44	1.64	8.39	5.56	1.59	8.65	6.18	1.60
	25.0	5.90	4.57	1.55	6.67	4.56	1.58	7.03	5.03	1.59	7.52	5.28	1.68	8.04	5.41	1.63	8.29	6.01	1.64
	30.6	5.54	4.39	1.72	6.26	4.38	1.75	6.60	4.83	1.77	7.06	5.07	1.86	7.55	5.19	1.81	7.78	5.77	1.82
	35.0	5.91	4.57	2.11	6.67	4.57	2.15	7.04	5.04	2.17	7.53	5.29	2.28	8.05	5.41	2.22	8.30	6.01	2.23
40.0	5.34	4.31	2.14	6.03	4.31	2.18	6.36	4.75	2.20	6.81	4.99	2.31	7.28	5.10	2.25	7.50	5.67	2.26	
46.1	3.98	3.78	1.81	4.50	3.78	1.84	4.74	4.17	1.86	5.08	4.37	1.96	5.43	4.48	1.90	5.60	4.97	1.91	

# ● Indoor units: 7,000 Btu + 7,000 Btu + 9,000 Btu

		Indoor temperature																	
°FDB		64			70			75			80			85			90		
°FWB		54			60			63			67			71			73		
Outdoor temperature	°FDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
		kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW
	14	18.79	15.33	0.79	21.24	15.31	0.81	22.39	16.88	0.81	23.97	17.72	0.84	25.62	18.13	0.83	26.41	20.15	0.84
	23	18.01	14.95	0.90	20.35	14.93	0.92	21.45	16.47	0.92	22.97	17.29	0.95	24.55	17.69	0.94	25.31	19.66	0.95
	32	17.69	14.80	0.99	20.00	14.78	1.01	21.08	16.31	1.02	22.57	17.11	1.05	24.13	17.51	1.04	24.87	19.46	1.05
	41	17.54	14.72	1.02	19.82	14.71	1.04	20.89	16.22	1.04	22.37	17.02	1.08	23.91	17.42	1.07	24.65	19.36	1.07
	50	17.69	14.80	1.03	20.00	14.78	1.05	21.08	16.31	1.06	22.57	17.11	1.09	24.13	17.51	1.08	24.87	19.46	1.09
	59	18.01	14.95	1.18	20.36	14.94	1.20	21.46	16.48	1.21	22.98	17.29	1.25	24.56	17.69	1.24	25.32	19.66	1.24
	67	22.15	16.93	1.68	25.04	16.91	1.71	26.39	18.65	1.73	28.26	19.57	1.78	30.21	20.03	1.77	31.14	22.26	1.78
	77	21.25	16.46	1.72	24.01	16.44	1.75	25.32	18.13	1.77	27.10	19.03	1.82	28.97	19.47	1.81	29.87	21.64	1.82
	87	19.94	15.80	1.91	22.54	15.78	1.94	23.76	17.40	1.96	25.44	18.26	2.02	27.19	18.68	2.00	28.03	20.77	2.02
	95	21.17	16.42	2.17	23.92	16.40	2.21	25.22	18.09	2.22	27.00	18.99	2.29	28.86	19.42	2.27	29.75	21.59	2.29
	104	18.42	15.15	2.00	20.82	15.13	2.04	21.94	16.69	2.05	23.49	17.51	2.12	25.11	17.92	2.10	25.89	19.91	2.11
	115	13.69	13.32	1.81	15.47	13.30	1.84	16.30	14.68	1.86	17.46	15.40	1.92	18.66	15.76	1.90	19.24	17.51	1.91

OUTDOOR UNIT (3-unit  
type)  
AOU24RLXFZH

OUTDOOR UNIT (3-unit  
type)  
AOU24RLXFZH

Outdoor temperature		Indoor temperature																	
	°CDB	17.8			21.1			23.9			26.7			29.4			32.2		
	°CWB	12.2			15.6			17.2			19.4			21.7			22.8		
	°CDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
		kW			kW			kW			kW			kW			kW		
	-10.0	5.51	4.49	0.79	6.22	4.49	0.81	6.56	4.95	0.81	7.02	5.19	0.84	7.51	5.31	0.83	7.74	5.90	0.84
	-5.0	5.28	4.38	0.90	5.96	4.38	0.92	6.29	4.83	0.92	6.73	5.07	0.95	7.20	5.18	0.94	7.42	5.76	0.95
	0.0	5.19	4.34	0.99	5.86	4.33	1.01	6.18	4.78	1.02	6.61	5.01	1.05	7.07	5.13	1.04	7.29	5.70	1.05
	5.0	5.14	4.32	1.02	5.81	4.31	1.04	6.12	4.75	1.04	6.56	4.99	1.08	7.01	5.10	1.07	7.22	5.67	1.07
	10.0	5.19	4.34	1.03	5.86	4.33	1.05	6.18	4.78	1.06	6.61	5.01	1.09	7.07	5.13	1.08	7.29	5.70	1.09
	15.0	5.28	4.38	1.18	5.97	4.38	1.20	6.29	4.83	1.21	6.73	5.07	1.25	7.20	5.18	1.24	7.42	5.76	1.24
	19.4	6.49	4.96	1.68	7.34	4.96	1.71	7.74	5.47	1.73	8.28	5.74	1.78	8.85	5.87	1.77	9.13	6.52	1.78
	25.0	6.23	4.82	1.72	7.04	4.82	1.75	7.42	5.31	1.77	7.94	5.58	1.82	8.49	5.71	1.81	8.75	6.34	1.82
	30.6	5.84	4.63	1.91	6.60	4.62	1.94	6.96	5.10	1.96	7.45	5.35	2.02	7.97	5.48	2.00	8.22	6.09	2.02
	35.0	6.20	4.81	2.17	7.01	4.81	2.21	7.39	5.30	2.22	7.91	5.56	2.29	8.46	5.69	2.27	8.72	6.33	2.29
	40.0	5.40	4.44	2.00	6.10	4.43	2.04	6.43	4.89	2.05	6.89	5.13	2.12	7.36	5.25	2.10	7.59	5.84	2.11
	46.1	4.01	3.90	1.81	4.53	3.90	1.84	4.78	4.30	1.86	5.12	4.51	1.92	5.47	4.62	1.90	5.64	5.13	1.91

# ● Indoor units: 7,000 Btu + 7,000 Btu + 12,000 Btu

		Indoor temperature																				
		°FDB			64			70			75			80			85			90		
		°FWB			54			60			63			67			71			73		
Outdoor temperature	°FDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP			
		kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW			
	14	19.24	15.47	0.92	21.74	15.45	0.94	22.92	17.04	0.94	24.54	17.88	0.95	26.23	18.30	0.97	27.04	20.33	0.97			
	23	18.44	15.09	1.04	20.83	15.07	1.06	21.96	16.63	1.07	23.51	17.45	1.08	25.14	17.85	1.09	25.91	19.84	1.10			
	32	18.11	14.94	1.15	20.47	14.92	1.17	21.58	16.46	1.18	23.11	17.27	1.19	24.70	17.67	1.21	25.46	19.64	1.21			
	41	17.95	14.86	1.18	20.29	14.84	1.20	21.39	16.37	1.21	22.90	17.18	1.23	24.48	17.58	1.24	25.24	19.54	1.25			
	50	18.11	14.94	1.20	20.47	14.92	1.22	21.58	16.46	1.23	23.11	17.27	1.24	24.70	17.67	1.26	25.46	19.64	1.26			
	59	18.72	15.23	1.41	21.16	15.21	1.44	22.31	16.78	1.45	23.88	17.61	1.46	25.53	18.01	1.48	26.32	20.02	1.49			
	67	22.95	17.21	2.00	25.93	17.19	2.04	27.34	18.96	2.05	29.27	19.89	2.08	31.29	20.35	2.10	32.25	22.62	2.11			
	77	22.01	16.72	2.05	24.87	16.70	2.08	26.22	18.43	2.10	28.07	19.34	2.12	30.01	19.78	2.15	30.94	21.99	2.16			
	87	20.65	16.05	2.27	23.34	16.03	2.31	24.61	17.68	2.33	26.35	18.56	2.36	28.16	18.99	2.38	29.03	21.10	2.40			
	95	21.17	16.35	2.39	23.92	16.33	2.44	25.22	18.01	2.46	27.00	18.90	2.48	28.86	19.34	2.51	29.75	21.50	2.52			
	104	17.65	14.72	2.00	19.95	14.70	2.04	21.03	16.21	2.05	22.51	17.01	2.08	24.07	17.41	2.10	24.81	19.34	2.11			
	115	13.19	13.10	1.81	14.90	13.08	1.84	15.71	14.43	1.86	16.82	15.14	1.88	17.98	15.49	1.90	18.54	17.22	1.91			

		Indoor temperature																	
		17.8			21.1			23.9			26.7			29.4			32.2		
		12.2			15.6			17.2			19.4			21.7			22.8		
Outdoor temperature	°CDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
		kW			kW			kW			kW			kW			kW		
	-10.0	5.64	4.53	0.92	6.37	4.53	0.94	6.72	4.99	0.94	7.19	5.24	0.95	7.69	5.36	0.97	7.92	5.96	0.97
	-5.0	5.40	4.42	1.04	6.11	4.42	1.06	6.44	4.87	1.07	6.89	5.11	1.08	7.37	5.23	1.09	7.59	5.81	1.10
	0.0	5.31	4.38	1.15	6.00	4.37	1.17	6.32	4.82	1.18	6.77	5.06	1.19	7.24	5.18	1.21	7.46	5.76	1.21
	5.0	5.26	4.36	1.18	5.95	4.35	1.20	6.27	4.80	1.21	6.71	5.04	1.23	7.17	5.15	1.24	7.40	5.73	1.25
	10.0	5.31	4.38	1.20	6.00	4.37	1.22	6.32	4.82	1.23	6.77	5.06	1.24	7.24	5.18	1.26	7.46	5.76	1.26
	15.0	5.49	4.46	1.41	6.20	4.46	1.44	6.54	4.92	1.45	7.00	5.16	1.46	7.48	5.28	1.48	7.71	5.87	1.49
	19.4	6.73	5.04	2.00	7.60	5.04	2.04	8.01	5.56	2.05	8.58	5.83	2.08	9.17	5.96	2.10	9.45	6.63	2.11
	25.0	6.45	4.90	2.05	7.29	4.90	2.08	7.68	5.40	2.10	8.23	5.67	2.12	8.80	5.80	2.15	9.07	6.44	2.16
	30.6	6.05	4.70	2.27	6.84	4.70	2.31	7.21	5.18	2.33	7.72	5.44	2.36	8.25	5.56	2.38	8.51	6.18	2.40
35.0	6.20	4.79	2.39	7.01	4.79	2.44	7.39	5.28	2.46	7.91	5.54	2.48	8.46	5.67	2.51	8.72	6.30	2.52	
40.0	5.17	4.31	2.00	5.85	4.31	2.04	6.16	4.75	2.05	6.60	4.99	2.08	7.05	5.10	2.10	7.27	5.67	2.11	
46.1	3.86	3.84	1.81	4.37	3.83	1.84	4.60	4.23	1.86	4.93	4.44	1.88	5.27	4.54	1.90	5.43	5.05	1.91	

# ● Indoor units: 7,000 Btu + 9,000 Btu + 9,000 Btu

		Indoor temperature																	
°FDB		64			70			75			80			85			90		
°FWB		54			60			63			67			71			73		
Outdoor temperature	°FDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
		kBTu/h		kW	kBTu/h		kW	kBTu/h		kW	kBTu/h		kW	kBTu/h		kW	kBTu/h		kW
	14	18.83	15.35	0.88	21.28	15.33	0.90	22.43	16.91	0.90	24.02	17.75	0.91	25.68	18.16	0.92	26.47	20.18	0.93
	23	18.05	14.98	1.00	20.39	14.96	1.01	21.50	16.50	1.02	23.02	17.31	1.03	24.61	17.71	1.05	25.37	19.69	1.05
	32	17.73	14.82	1.10	20.04	14.81	1.12	21.13	16.33	1.13	22.62	17.14	1.14	24.18	17.54	1.15	24.93	19.49	1.16
	41	17.58	14.75	1.13	19.86	14.73	1.15	20.94	16.25	1.16	22.42	17.05	1.17	23.97	17.44	1.18	24.70	19.39	1.19
	50	17.73	14.82	1.14	20.04	14.81	1.16	21.13	16.33	1.17	22.62	17.14	1.19	24.18	17.54	1.20	24.93	19.49	1.21
	59	18.72	15.30	1.41	21.16	15.28	1.44	22.31	16.86	1.45	23.88	17.69	1.46	25.53	18.10	1.48	26.32	20.11	1.49
	67	22.61	17.14	1.94	25.55	17.12	1.97	26.93	18.88	1.99	28.84	19.81	2.01	30.83	20.27	2.04	31.78	22.53	2.05
	77	21.69	16.66	1.98	24.51	16.64	2.02	25.83	18.35	2.04	27.66	19.26	2.06	29.57	19.71	2.08	30.48	21.90	2.09
	87	20.35	15.99	2.20	23.00	15.97	2.24	24.24	17.62	2.26	25.96	18.49	2.28	27.75	18.91	2.31	28.61	21.02	2.32
	95	21.17	16.43	2.39	23.92	16.41	2.44	25.22	18.10	2.46	27.00	18.99	2.48	28.86	19.43	2.51	29.75	21.60	2.52
	104	17.65	14.78	2.00	19.95	14.77	2.04	21.03	16.29	2.05	22.51	17.09	2.08	24.07	17.49	2.10	24.81	19.44	2.11
	115	13.06	13.03	1.81	14.76	13.01	1.84	15.55	14.35	1.86	16.65	15.06	1.88	17.80	15.41	1.90	18.35	17.13	1.91

OUTDOOR UNIT (3-unit  
type)  
AOU24RLXFZH

OUTDOOR UNIT (3-unit  
type)  
AOU24RLXFZH

		Indoor temperature																	
	°CDB	17.8			21.1			23.9			26.7			29.4			32.2		
	°CWB	12.2			15.6			17.2			19.4			21.7			22.8		
	°CDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
		kW			kW			kW			kW			kW			kW		
Outdoor temperature	-10.0	5.52	4.50	0.88	6.24	4.49	0.90	6.58	4.96	0.90	7.04	5.20	0.91	7.53	5.32	0.92	7.76	5.91	0.93
	-5.0	5.29	4.39	1.00	5.98	4.38	1.01	6.30	4.84	1.02	6.75	5.07	1.03	7.21	5.19	1.05	7.43	5.77	1.05
	0.0	5.20	4.34	1.10	5.87	4.34	1.12	6.19	4.79	1.13	6.63	5.02	1.14	7.09	5.14	1.15	7.31	5.71	1.16
	5.0	5.15	4.32	1.13	5.82	4.32	1.15	6.14	4.76	1.16	6.57	5.00	1.17	7.02	5.11	1.18	7.24	5.68	1.19
	10.0	5.20	4.34	1.14	5.87	4.34	1.16	6.19	4.79	1.17	6.63	5.02	1.19	7.09	5.14	1.20	7.31	5.71	1.21
	15.0	5.49	4.48	1.41	6.20	4.48	1.44	6.54	4.94	1.45	7.00	5.18	1.46	7.48	5.30	1.48	7.71	5.89	1.49
	19.4	6.63	5.02	1.94	7.49	5.02	1.97	7.89	5.53	1.99	8.45	5.81	2.01	9.04	5.94	2.04	9.31	6.60	2.05
	25.0	6.36	4.88	1.98	7.18	4.88	2.02	7.57	5.38	2.04	8.11	5.64	2.06	8.67	5.78	2.08	8.93	6.42	2.09
	30.6	5.96	4.69	2.20	6.74	4.68	2.24	7.11	5.16	2.26	7.61	5.42	2.28	8.13	5.54	2.31	8.38	6.16	2.32
	35.0	6.20	4.81	2.39	7.01	4.81	2.44	7.39	5.30	2.46	7.91	5.57	2.48	8.46	5.70	2.51	8.72	6.33	2.52
	40.0	5.17	4.33	2.00	5.85	4.33	2.04	6.16	4.77	2.05	6.60	5.01	2.08	7.05	5.13	2.10	7.27	5.70	2.11
46.1	3.83	3.82	1.81	4.32	3.81	1.84	4.56	4.21	1.86	4.88	4.41	1.88	5.22	4.52	1.90	5.38	5.02	1.91	

# ● Indoor units: 9,000 Btu + 9,000 Btu + 9,000 Btu

		Indoor temperature																							
		64			70			75			80			85			90								
		54			60			63			67			71			73								
Outdoor temperature	°FDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP						
	°FWB	kBTu/h			kW			kBTu/h			kW			kBTu/h			kW			kBTu/h			kW		
	14	19.24	15.78	0.92	21.74	15.76	0.94	22.92	17.38	0.94	24.54	18.24	0.95	26.23	18.66	0.97	27.04	20.74	0.97						
	23	18.44	15.39	1.04	20.83	15.37	1.06	21.96	16.96	1.07	23.51	17.80	1.08	25.14	18.21	1.09	25.91	20.23	1.10						
	32	18.11	15.24	1.15	20.47	15.22	1.17	21.58	16.79	1.18	23.11	17.61	1.19	24.70	18.02	1.21	25.46	20.03	1.21						
	41	17.95	15.16	1.18	20.29	15.14	1.20	21.39	16.70	1.21	22.90	17.52	1.23	24.48	17.93	1.24	25.24	19.93	1.25						
	50	18.11	15.24	1.20	20.47	15.22	1.22	21.58	16.79	1.23	23.11	17.61	1.24	24.70	18.02	1.26	25.46	20.03	1.26						
	59	19.78	16.04	1.59	22.36	16.02	1.61	23.57	17.67	1.63	25.23	18.54	1.65	26.98	18.97	1.66	27.81	21.08	1.67						
	67	22.95	17.55	2.00	25.93	17.53	2.04	27.34	19.33	2.05	29.27	20.29	2.08	31.29	20.76	2.10	32.25	23.07	2.11						
	77	22.01	17.06	2.05	24.87	17.04	2.08	26.22	18.79	2.10	28.07	19.72	2.12	30.01	20.18	2.15	30.94	22.43	2.16						
	87	20.65	16.37	2.27	23.34	16.35	2.31	24.61	18.04	2.33	26.35	18.93	2.36	28.16	19.37	2.38	29.03	21.52	2.40						
	95	21.17	16.68	2.39	23.92	16.66	2.44	25.22	18.37	2.46	27.00	19.28	2.48	28.86	19.73	2.51	29.75	21.92	2.52						
	104	17.65	15.01	2.00	19.95	14.99	2.04	21.03	16.54	2.05	22.51	17.35	2.08	24.07	17.75	2.10	24.81	19.73	2.11						
	115	13.06	13.06	1.81	14.76	13.21	1.84	15.55	14.57	1.86	16.65	15.29	1.88	17.80	15.64	1.90	18.35	17.39	1.91						

	Indoor temperature																		
	°CDB	17.8			21.1			23.9			26.7			29.4			32.2		
	°CWB	12.2			15.6			17.2			19.4			21.7			22.8		
	°CDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
		kW			kW			kW			kW			kW			kW		
Outdoor temperature	-10.0	5.64	4.62	0.92	6.37	4.62	0.94	6.72	5.09	0.94	7.19	5.35	0.95	7.69	5.47	0.97	7.92	6.08	0.97
	-5.0	5.40	4.51	1.04	6.11	4.51	1.06	6.44	4.97	1.07	6.89	5.22	1.08	7.37	5.34	1.09	7.59	5.93	1.10
	0.0	5.31	4.47	1.15	6.00	4.46	1.17	6.32	4.92	1.18	6.77	5.16	1.19	7.24	5.28	1.21	7.46	5.87	1.21
	5.0	5.26	4.44	1.18	5.95	4.44	1.20	6.27	4.89	1.21	6.71	5.14	1.23	7.17	5.25	1.24	7.40	5.84	1.25
	10.0	5.31	4.47	1.20	6.00	4.46	1.22	6.32	4.92	1.23	6.77	5.16	1.24	7.24	5.28	1.26	7.46	5.87	1.26
	15.0	5.80	4.70	1.59	6.55	4.69	1.61	6.91	5.18	1.63	7.40	5.43	1.65	7.91	5.56	1.66	8.15	6.18	1.67
	19.4	6.73	5.14	2.00	7.60	5.14	2.04	8.01	5.67	2.05	8.58	5.95	2.08	9.17	6.08	2.10	9.45	6.76	2.11
	25.0	6.45	5.00	2.05	7.29	4.99	2.08	7.68	5.51	2.10	8.23	5.78	2.12	8.80	5.91	2.15	9.07	6.57	2.16
	30.6	6.05	4.80	2.27	6.84	4.79	2.31	7.21	5.29	2.33	7.72	5.55	2.36	8.25	5.68	2.38	8.51	6.31	2.40
	35.0	6.20	4.89	2.39	7.01	4.88	2.44	7.39	5.39	2.46	7.91	5.65	2.48	8.46	5.78	2.51	8.72	6.43	2.52
	40.0	5.17	4.40	2.00	5.85	4.39	2.04	6.16	4.85	2.05	6.60	5.09	2.08	7.05	5.20	2.10	7.27	5.78	2.11
	46.1	3.83	3.83	1.81	4.32	3.87	1.84	4.56	4.27	1.86	4.88	4.48	1.88	5.22	4.58	1.90	5.38	5.10	1.91

## 6-3. Heating capacity

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

### ■ Model: AOU24RLXFZH

- TC: Total Capacity, IP: Input Power
- The data is based on the following conditions:  
Pipe length: 24.6 ft (7.5 m), Height difference: 0 ft (0 m) [Outdoor unit—Indoor unit]

### ● Indoor units: 7,000 Btu

			Indoor temperature									
		°FDB	60		65		70		75		78	
Outdoor temperature	°FDB	°FWB	TC kBtu/h	IP kW	TC kBtu/h	IP kW	TC kBtu/h	IP kW	TC kBtu/h	IP kW	TC kBtu/h	IP kW
	-15	-17	5.63	0.84	5.50	0.86	5.37	0.88	5.23	0.89	5.10	0.91
	-5	-7	7.97	1.03	7.78	1.05	7.59	1.07	7.40	1.09	7.21	1.12
	5	3	10.31	1.22	10.06	1.24	9.82	1.27	9.57	1.30	9.33	1.32
	14	12	10.50	1.22	10.25	1.24	10.00	1.27	9.75	1.29	9.50	1.32
	23	19	10.69	1.22	10.44	1.24	10.18	1.27	9.93	1.29	9.67	1.32
	32	28	11.21	1.04	10.95	1.06	10.68	1.08	10.41	1.10	10.15	1.12
	41	37	11.60	1.00	11.33	1.02	11.05	1.04	10.77	1.06	10.50	1.08
	47	43	11.99	0.98	11.71	1.00	11.42	1.02	11.14	1.04	10.85	1.06
	50	47	12.28	0.98	11.99	1.00	11.70	1.02	11.40	1.04	11.11	1.06
	59	50	13.00	0.98	12.69	1.00	12.38	1.02	12.07	1.04	11.77	1.06
	68	59	13.84	0.98	13.51	1.00	13.18	1.02	12.85	1.04	12.52	1.06
75	65	14.68	0.98	14.33	1.00	13.98	1.02	13.63	1.04	13.28	1.06	

			Indoor temperature									
		°CDB	15.6		18.3		21.2		23.9		25.6	
Outdoor temperature	°CDB	°CWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kW		kW		kW		kW		kW	
	-26.1	-27.0	1.65	0.84	1.61	0.86	1.57	0.88	1.53	0.89	1.49	0.91
	-20.6	-21.7	2.34	1.03	2.28	1.05	2.23	1.07	2.17	1.09	2.11	1.12
	-15.0	-16.1	3.02	1.22	2.95	1.24	2.88	1.27	2.81	1.30	2.73	1.32
	-10.0	-11.1	3.08	1.22	3.00	1.24	2.93	1.27	2.86	1.29	2.78	1.32
	-5.0	-7.2	3.13	1.22	3.06	1.24	2.98	1.27	2.91	1.29	2.83	1.32
	0.0	-2.2	3.29	1.04	3.21	1.06	3.13	1.08	3.05	1.10	2.97	1.12
	5.0	2.8	3.40	1.00	3.32	1.02	3.24	1.04	3.16	1.06	3.08	1.08
	8.3	6.1	3.52	0.98	3.43	1.00	3.35	1.02	3.26	1.04	3.18	1.06
	10.0	8.3	3.60	0.98	3.51	1.00	3.43	1.02	3.34	1.04	3.26	1.06
	15.0	10.0	3.81	0.98	3.72	1.00	3.63	1.02	3.54	1.04	3.45	1.06
20.0	15.0	4.06	0.98	3.96	1.00	3.86	1.02	3.77	1.04	3.67	1.06	
23.9	18.3	4.30	0.98	4.20	1.00	4.10	1.02	4.00	1.04	3.89	1.06	

OUTDOOR UNIT (3-unit type)  
AOU24RLXFZH

OUTDOOR UNIT (3-unit type)  
AOU24RLXFZH

## ● Indoor units: 9,000 Btu

		Indoor temperature										
Outdoor temperature		°FDB	60		65		70		75		78	
	°FDB	°FWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
	-15	-17	7.78	1.12	7.59	1.14	7.41	1.17	7.22	1.19	7.04	1.21
	-5	-7	11.00	1.37	10.74	1.40	10.48	1.43	10.22	1.46	9.96	1.49
	5	3	14.23	1.62	13.89	1.66	13.55	1.69	13.21	1.73	12.87	1.76
14	12	14.49	1.62	14.15	1.66	13.80	1.69	13.46	1.72	13.11	1.76	
23	19	14.76	1.62	14.40	1.65	14.05	1.69	13.70	1.72	13.35	1.76	
32	28	15.48	1.38	15.11	1.41	14.74	1.44	14.37	1.47	14.00	1.50	
41	37	16.02	1.33	15.64	1.36	15.25	1.39	14.87	1.42	14.49	1.44	
47	43	16.55	1.30	16.16	1.33	15.77	1.36	15.37	1.39	14.98	1.41	
50	47	16.95	1.30	16.55	1.33	16.15	1.36	15.74	1.38	15.34	1.41	
59	50	17.95	1.30	17.52	1.33	17.09	1.36	16.67	1.38	16.24	1.41	
68	59	19.11	1.30	18.65	1.33	18.20	1.36	17.74	1.38	17.29	1.41	
75	65	20.26	1.30	19.78	1.33	19.30	1.36	18.82	1.38	18.33	1.41	

OUTDOOR UNIT (3-unit type)  
AOU24RLXFZH

OUTDOOR UNIT (3-unit type)  
AOU24RLXFZH

		Indoor temperature												
Outdoor temperature		°CDB	15.6		18.3		21.2		23.9		25.6			
	°CDB	°CWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP		
			kW		kW		kW		kW		kW			
			-26.1	-27.0	2.28	1.12	2.23	1.14	2.17	1.17	2.12	1.19	2.06	1.21
			-20.6	-21.7	3.22	1.37	3.15	1.40	3.07	1.43	2.99	1.46	2.92	1.49
-15.0	-16.1	4.17	1.62	4.07	1.66	3.97	1.69	3.87	1.73	3.77	1.76			
-10.0	-11.1	4.25	1.62	4.15	1.66	4.05	1.69	3.94	1.72	3.84	1.76			
-5.0	-7.2	4.32	1.62	4.22	1.65	4.12	1.69	4.02	1.72	3.91	1.76			
0.0	-2.2	4.54	1.38	4.43	1.41	4.32	1.44	4.21	1.47	4.10	1.50			
5.0	2.8	4.69	1.33	4.58	1.36	4.47	1.39	4.36	1.42	4.25	1.44			
8.3	6.1	4.85	1.30	4.74	1.33	4.62	1.36	4.51	1.39	4.39	1.41			
10.0	8.3	4.97	1.30	4.85	1.33	4.73	1.36	4.61	1.38	4.50	1.41			
15.0	10.0	5.26	1.30	5.14	1.33	5.01	1.36	4.88	1.38	4.76	1.41			
20.0	15.0	5.60	1.30	5.47	1.33	5.33	1.36	5.20	1.38	5.07	1.41			
23.9	18.3	5.94	1.30	5.80	1.33	5.66	1.36	5.51	1.38	5.37	1.41			

## ● Indoor units: 12,000 Btu

		Indoor temperature										
Outdoor temperature		°FDB	60		65		70		75		78	
	°FDB	°FWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
	-15	-17	8.89	1.39	8.68	1.42	8.46	1.45	8.25	1.48	8.04	1.51
	-5	-7	12.57	1.71	12.28	1.74	11.98	1.78	11.68	1.81	11.38	1.85
	5	3	16.26	2.02	15.87	2.06	15.49	2.10	15.10	2.14	14.71	2.19
	14	12	16.56	2.02	16.17	2.06	15.77	2.10	15.38	2.14	14.99	2.18
	23	19	16.86	2.02	16.46	2.06	16.06	2.10	15.66	2.14	15.26	2.18
	32	28	17.69	1.72	17.27	1.75	16.85	1.79	16.43	1.83	16.00	1.86
	41	37	18.30	1.66	17.87	1.69	17.43	1.73	17.00	1.76	16.56	1.80
47	43	18.92	1.62	18.47	1.65	18.02	1.69	17.57	1.72	17.12	1.76	
50	47	19.37	1.62	18.91	1.65	18.45	1.69	17.99	1.72	17.53	1.76	
59	50	20.51	1.62	20.02	1.65	19.54	1.69	19.05	1.72	18.56	1.75	
68	59	21.84	1.62	21.32	1.65	20.80	1.69	20.28	1.72	19.76	1.75	
75	65	23.16	1.62	22.61	1.65	22.06	1.69	21.51	1.72	20.95	1.75	

		Indoor temperature										
Outdoor temperature		°CDB	15.6		18.3		21.2		23.9		25.6	
	°CDB	°CWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kW		kW		kW		kW		kW	
-26.1	-27.0	2.60	1.39	2.54	1.42	2.48	1.45	2.42	1.48	2.36	1.51	
-20.6	-21.7	3.69	1.71	3.60	1.74	3.51	1.78	3.42	1.81	3.33	1.85	
-15.0	-16.1	4.77	2.02	4.65	2.06	4.54	2.10	4.43	2.14	4.31	2.19	
-10.0	-11.1	4.85	2.02	4.74	2.06	4.62	2.10	4.51	2.14	4.39	2.18	
-5.0	-7.2	4.94	2.02	4.82	2.06	4.71	2.10	4.59	2.14	4.47	2.18	
0.0	-2.2	5.18	1.72	5.06	1.75	4.94	1.79	4.81	1.83	4.69	1.86	
5.0	2.8	5.36	1.66	5.24	1.69	5.11	1.73	4.98	1.76	4.85	1.80	
8.3	6.1	5.54	1.62	5.41	1.65	5.28	1.69	5.15	1.72	5.02	1.76	
10.0	8.3	5.68	1.62	5.54	1.65	5.41	1.69	5.27	1.72	5.14	1.76	
15.0	10.0	6.01	1.62	5.87	1.65	5.73	1.69	5.58	1.72	5.44	1.75	
20.0	15.0	6.40	1.62	6.25	1.65	6.10	1.69	5.94	1.72	5.79	1.75	
23.9	18.3	6.79	1.62	6.63	1.65	6.46	1.69	6.30	1.72	6.14	1.75	

## ● Indoor units: 14,000 Btu

		Indoor temperature										
		°FDB	60		65		70		75		78	
Outdoor temperature	°FDB	°FWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
	-15	-17	9.75	1.40	9.52	1.43	9.29	1.46	9.06	1.49	8.82	1.52
	-5	-7	13.80	1.72	13.47	1.75	13.14	1.79	12.81	1.82	12.48	1.86
	5	3	17.84	2.03	17.42	2.07	16.99	2.12	16.57	2.16	16.14	2.20
	14	12	18.17	2.03	17.74	2.07	17.31	2.11	16.88	2.16	16.44	2.20
	23	19	18.50	2.03	18.06	2.07	17.62	2.11	17.18	2.15	16.74	2.20
	32	28	19.41	1.73	18.95	1.76	18.49	1.80	18.02	1.84	17.56	1.87
	41	37	20.09	1.67	19.61	1.70	19.13	1.74	18.65	1.77	18.17	1.81
	47	43	20.76	1.63	20.27	1.66	19.77	1.70	19.28	1.73	18.78	1.77
	50	47	21.26	1.63	20.75	1.66	20.25	1.70	19.74	1.73	19.24	1.77
	59	50	22.51	1.63	21.97	1.66	21.44	1.70	20.90	1.73	20.37	1.76
68	59	23.96	1.63	23.39	1.66	22.82	1.70	22.25	1.73	21.68	1.76	
75	65	25.41	1.63	24.81	1.66	24.20	1.70	23.60	1.73	22.99	1.76	

OUTDOOR UNIT (3-unit type)  
AOU24RLXFZH

OUTDOOR UNIT (3-unit type)  
AOU24RLXFZH

		Indoor temperature										
Outdoor temperature		°CDB	15.6		18.3		21.2		23.9		25.6	
	°CDB	°CWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kW		kW		kW		kW		kW	
	-26.1	-27.0	2.86	1.40	2.79	1.43	2.72	1.46	2.65	1.49	2.59	1.52
	-20.6	-21.7	4.04	1.72	3.95	1.75	3.85	1.79	3.76	1.82	3.66	1.86
	-15.0	-16.1	5.23	2.03	5.11	2.07	4.98	2.12	4.86	2.16	4.73	2.20
	-10.0	-11.1	5.33	2.03	5.20	2.07	5.07	2.11	4.95	2.16	4.82	2.20
	-5.0	-7.2	5.42	2.03	5.29	2.07	5.17	2.11	5.04	2.15	4.91	2.20
	0.0	-2.2	5.69	1.73	5.55	1.76	5.42	1.80	5.28	1.84	5.15	1.87
	5.0	2.8	5.89	1.67	5.75	1.70	5.61	1.74	5.47	1.77	5.33	1.81
8.3	6.1	6.08	1.63	5.94	1.66	5.79	1.70	5.65	1.73	5.51	1.77	
10.0	8.3	6.23	1.63	6.08	1.66	5.93	1.70	5.79	1.73	5.64	1.77	
15.0	10.0	6.60	1.63	6.44	1.66	6.28	1.70	6.13	1.73	5.97	1.76	
20.0	15.0	7.02	1.63	6.86	1.66	6.69	1.70	6.52	1.73	6.35	1.76	
23.9	18.3	7.45	1.63	7.27	1.66	7.09	1.70	6.92	1.73	6.74	1.76	

## ● Indoor units: 18,000 Btu

		Indoor temperature										
		°FDB	60		65		70		75		78	
Outdoor temperature	°FDB	°FWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
	-15	-17	12.48	2.09	12.18	2.14	11.88	2.18	11.59	2.22	11.29	2.27
	-5	-7	17.65	2.56	17.23	2.62	16.81	2.67	16.39	2.72	15.97	2.78
	5	3	22.83	3.03	22.28	3.10	21.74	3.16	21.20	3.22	20.65	3.29
	14	12	23.25	3.03	22.70	3.09	22.14	3.16	21.59	3.22	21.04	3.28
	23	19	23.67	3.03	23.11	3.09	22.54	3.16	21.98	3.22	21.42	3.28
	32	28	24.83	2.58	24.24	2.64	23.65	2.69	23.06	2.74	22.47	2.80
	41	37	25.69	2.49	25.08	2.54	24.47	2.59	23.86	2.65	23.25	2.70
	47	43	26.56	2.44	25.93	2.49	25.29	2.54	24.66	2.59	24.03	2.64
	50	47	27.20	2.44	26.55	2.49	25.90	2.54	25.25	2.59	24.61	2.64
	59	50	28.79	2.43	28.11	2.48	27.42	2.53	26.74	2.59	26.05	2.64
68	59	30.65	2.43	29.92	2.48	29.19	2.53	28.46	2.59	27.73	2.64	
75	65	32.51	2.43	31.74	2.48	30.96	2.53	30.19	2.59	29.41	2.64	

		Indoor temperature												
Outdoor temperature		°CDB	15.6		18.3		21.2		23.9		25.6			
	°CDB	°CWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP		
			kW		kW		kW		kW		kW			
			-26.1	-27.0	3.66	2.09	3.57	2.14	3.48	2.18	3.40	2.22	3.31	2.27
			-20.6	-21.7	5.17	2.56	5.05	2.62	4.93	2.67	4.80	2.72	4.68	2.78
	-15.0	-16.1	6.69	3.03	6.53	3.10	6.37	3.16	6.21	3.22	6.05	3.29		
	-10.0	-11.1	6.81	3.03	6.65	3.09	6.49	3.16	6.33	3.22	6.17	3.28		
	-5.0	-7.2	6.94	3.03	6.77	3.09	6.61	3.16	6.44	3.22	6.28	3.28		
	0.0	-2.2	7.28	2.58	7.10	2.64	6.93	2.69	6.76	2.74	6.58	2.80		
	5.0	2.8	7.53	2.49	7.35	2.54	7.17	2.59	6.99	2.65	6.81	2.70		
	8.3	6.1	7.78	2.44	7.60	2.49	7.41	2.54	7.23	2.59	7.04	2.64		
	10.0	8.3	7.97	2.44	7.78	2.49	7.59	2.54	7.40	2.59	7.21	2.64		
	15.0	10.0	8.44	2.43	8.24	2.48	8.04	2.53	7.84	2.59	7.64	2.64		
	20.0	15.0	8.98	2.43	8.77	2.48	8.56	2.53	8.34	2.59	8.13	2.64		
	23.9	18.3	9.53	2.43	9.30	2.48	9.07	2.53	8.85	2.59	8.62	2.64		

# ● Indoor units: 7,000 Btu + 7,000 Btu

		Indoor temperature										
		°FDB	60		65		70		75		78	
Outdoor temperature	°FDB	°FWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
	-15	-17	10.95	1.60	10.69	1.63	10.43	1.67	10.17	1.70	9.91	1.73
	-5	-7	15.49	1.96	15.12	2.00	14.76	2.04	14.39	2.08	14.02	2.12
	5	3	20.04	2.32	19.56	2.37	19.08	2.42	18.60	2.46	18.13	2.51
	14	12	20.41	2.32	19.92	2.37	19.44	2.41	18.95	2.46	18.46	2.51
	23	19	20.78	2.32	20.28	2.36	19.79	2.41	19.29	2.46	18.80	2.51
	32	28	21.80	1.97	21.28	2.01	20.76	2.06	20.24	2.10	19.72	2.14
	41	37	22.55	1.90	22.02	1.94	21.48	1.98	20.94	2.02	20.41	2.06
	47	43	23.31	1.86	22.76	1.90	22.20	1.94	21.65	1.98	21.09	2.02
	50	47	23.87	1.86	23.30	1.90	22.73	1.94	22.17	1.98	21.60	2.02
	59	50	25.27	1.86	24.67	1.90	24.07	1.94	23.47	1.98	22.87	2.02
	68	59	26.90	1.86	26.26	1.90	25.62	1.94	24.98	1.98	24.34	2.02
	75	65	28.53	1.86	27.86	1.90	27.18	1.94	26.50	1.98	25.82	2.02

OUTDOOR UNIT (3-unit type)  
AOU24RLXFZH

OUTDOOR UNIT (3-unit type)  
AOU24RLXFZH

			Indoor temperature									
		°CDB	15.6		18.3		21.2		23.9		25.6	
Outdoor temperature	°CDB	°CWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kW		kW		kW		kW		kW	
	-26.1	-27.0	3.21	1.60	3.13	1.63	3.06	1.67	2.98	1.70	2.90	1.73
	-20.6	-21.7	4.54	1.96	4.43	2.00	4.32	2.04	4.22	2.08	4.11	2.12
	-15.0	-16.1	5.87	2.32	5.73	2.37	5.59	2.42	5.45	2.46	5.31	2.51
	-10.0	-11.1	5.98	2.32	5.84	2.37	5.70	2.41	5.55	2.46	5.41	2.51
	-5.0	-7.2	6.09	2.32	5.94	2.36	5.80	2.41	5.65	2.46	5.51	2.51
	0.0	-2.2	6.39	1.97	6.24	2.01	6.08	2.06	5.93	2.10	5.78	2.14
	5.0	2.8	6.61	1.90	6.45	1.94	6.30	1.98	6.14	2.02	5.98	2.06
	8.3	6.1	6.83	1.86	6.67	1.90	6.51	1.94	6.34	1.98	6.18	2.02
10.0	8.3	7.00	1.86	6.83	1.90	6.66	1.94	6.50	1.98	6.33	2.02	
15.0	10.0	7.41	1.86	7.23	1.90	7.05	1.94	6.88	1.98	6.70	2.02	
20.0	15.0	7.89	1.86	7.70	1.90	7.51	1.94	7.32	1.98	7.13	2.02	
23.9	18.3	8.36	1.86	8.16	1.90	7.96	1.94	7.77	1.98	7.57	2.02	

# ● Indoor units: 7,000 Btu + 9,000 Btu

		Indoor temperature										
		°FDB	60		65		70		75		78	
Outdoor temperature	°FDB	°FWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
	-15	-17	12.09	2.08	11.80	2.12	11.51	2.17	11.22	2.21	10.93	2.25
	-5	-7	17.10	2.55	16.69	2.60	16.28	2.65	15.88	2.71	15.47	2.76
	5	3	22.11	3.01	21.59	3.08	21.06	3.14	20.53	3.20	20.01	3.26
	14	12	22.52	3.01	21.99	3.07	21.45	3.14	20.91	3.20	20.38	3.26
	23	19	22.93	3.01	22.38	3.07	21.84	3.13	21.29	3.20	20.75	3.26
	32	28	24.05	2.56	23.48	2.62	22.91	2.67	22.34	2.72	21.76	2.78
	41	37	24.89	2.47	24.30	2.52	23.70	2.58	23.11	2.63	22.52	2.68
	47	43	25.73	2.42	25.11	2.47	24.50	2.52	23.89	2.57	23.28	2.62
50	47	26.35	2.42	25.72	2.47	25.09	2.52	24.46	2.57	23.84	2.62	
59	50	27.89	2.42	27.23	2.47	26.56	2.52	25.90	2.57	25.24	2.62	
68	59	29.69	2.42	28.99	2.47	28.28	2.52	27.57	2.57	26.86	2.62	
75	65	31.49	2.42	30.74	2.47	29.99	2.52	29.24	2.57	28.49	2.62	

		Indoor temperature										
		°CDB	15.6		18.3		21.2		23.9		25.6	
Outdoor temperature	°CDB	°CWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kW		kW		kW		kW		kW	
	-26.1	-27.0	3.54	2.08	3.46	2.12	3.37	2.17	3.29	2.21	3.20	2.25
	-20.6	-21.7	5.01	2.55	4.89	2.60	4.77	2.65	4.65	2.71	4.53	2.76
	-15.0	-16.1	6.48	3.01	6.33	3.08	6.17	3.14	6.02	3.20	5.86	3.26
	-10.0	-11.1	6.60	3.01	6.44	3.07	6.29	3.14	6.13	3.20	5.97	3.26
	-5.0	-7.2	6.72	3.01	6.56	3.07	6.40	3.13	6.24	3.20	6.08	3.26
	0.0	-2.2	7.05	2.56	6.88	2.62	6.71	2.67	6.55	2.72	6.38	2.78
	5.0	2.8	7.29	2.47	7.12	2.52	6.95	2.58	6.77	2.63	6.60	2.68
	8.3	6.1	7.54	2.42	7.36	2.47	7.18	2.52	7.00	2.57	6.82	2.62
	10.0	8.3	7.72	2.42	7.54	2.47	7.35	2.52	7.17	2.57	6.99	2.62
	15.0	10.0	8.17	2.42	7.98	2.47	7.79	2.52	7.59	2.57	7.40	2.62
	20.0	15.0	8.70	2.42	8.50	2.47	8.29	2.52	8.08	2.57	7.87	2.62
	23.9	18.3	9.23	2.42	9.01	2.47	8.79	2.52	8.57	2.57	8.35	2.62

## ● Indoor units: 7,000 Btu + 12,000 Btu

		Indoor temperature										
Outdoor temperature		°FDB	60		65		70		75		78	
	°FDB	°FWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
	-15	-17	13.02	2.22	12.71	2.27	12.40	2.31	12.09	2.36	11.78	2.40
	-5	-7	18.42	2.72	17.98	2.77	17.55	2.83	17.11	2.89	16.67	2.94
	5	3	23.82	3.22	23.26	3.28	22.69	3.35	22.12	3.42	21.56	3.48
	14	12	24.27	3.21	23.69	3.28	23.11	3.35	22.53	3.41	21.95	3.48
	23	19	24.71	3.21	24.12	3.28	23.53	3.34	22.94	3.41	22.35	3.48
	32	28	25.92	2.74	25.30	2.79	24.68	2.85	24.07	2.91	23.45	2.96
	41	37	26.82	2.64	26.18	2.70	25.54	2.75	24.90	2.81	24.26	2.86
	47	43	27.72	2.58	27.06	2.64	26.40	2.69	25.74	2.74	25.08	2.80
50	47	28.39	2.58	27.71	2.64	27.03	2.69	26.36	2.74	25.68	2.80	
59	50	30.05	2.58	29.34	2.63	28.62	2.69	27.91	2.74	27.19	2.79	
68	59	31.99	2.58	31.23	2.63	30.47	2.69	29.71	2.74	28.94	2.79	
75	65	33.93	2.58	33.12	2.63	32.31	2.69	31.51	2.74	30.70	2.79	

OUTDOOR UNIT (3-unit type)  
AOU24RLXFZH

OUTDOOR UNIT (3-unit type)  
AOU24RLXFZH

		Indoor temperature												
Outdoor temperature		°CDB	15.6		18.3		21.2		23.9		25.6			
	°CDB	°CWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP		
			kW		kW		kW		kW		kW			
			-26.1	-27.0	3.82	2.22	3.73	2.27	3.63	2.31	3.54	2.36	3.45	2.40
			-20.6	-21.7	5.40	2.72	5.27	2.77	5.14	2.83	5.01	2.89	4.89	2.94
	-15.0	-16.1	6.98	3.22	6.82	3.28	6.65	3.35	6.48	3.42	6.32	3.48		
	-10.0	-11.1	7.11	3.21	6.94	3.28	6.77	3.35	6.60	3.41	6.43	3.48		
	-5.0	-7.2	7.24	3.21	7.07	3.28	6.90	3.34	6.72	3.41	6.55	3.48		
	0.0	-2.2	7.60	2.74	7.41	2.79	7.23	2.85	7.05	2.91	6.87	2.96		
	5.0	2.8	7.86	2.64	7.67	2.70	7.49	2.75	7.30	2.81	7.11	2.86		
	8.3	6.1	8.12	2.58	7.93	2.64	7.74	2.69	7.54	2.74	7.35	2.80		
	10.0	8.3	8.32	2.58	8.12	2.64	7.92	2.69	7.73	2.74	7.53	2.80		
	15.0	10.0	8.81	2.58	8.60	2.63	8.39	2.69	8.18	2.74	7.97	2.79		
	20.0	15.0	9.38	2.58	9.15	2.63	8.93	2.69	8.71	2.74	8.48	2.79		
	23.9	18.3	9.94	2.58	9.71	2.63	9.47	2.69	9.23	2.74	9.00	2.79		

## ● Indoor units: 7,000 Btu + 14,000 Btu

		Indoor temperature										
		°FDB	60		65		70		75		78	
Outdoor temperature	°FDB	°FWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
	-15	-17	13.57	2.26	13.24	2.31	12.92	2.35	12.60	2.40	12.27	2.45
	-5	-7	19.19	2.77	18.73	2.83	18.28	2.88	17.82	2.94	17.36	3.00
	5	3	24.82	3.28	24.23	3.34	23.64	3.41	23.05	3.48	22.45	3.55
	14	12	25.28	3.27	24.68	3.34	24.07	3.41	23.47	3.48	22.87	3.55
	23	19	25.74	3.27	25.12	3.34	24.51	3.41	23.90	3.47	23.29	3.54
	32	28	27.00	2.79	26.36	2.85	25.71	2.90	25.07	2.96	24.43	3.02
	41	37	27.94	2.69	27.27	2.75	26.61	2.80	25.94	2.86	25.28	2.91
	47	43	28.88	2.63	28.19	2.69	27.50	2.74	26.81	2.79	26.13	2.85
	50	47	29.57	2.63	28.87	2.68	28.16	2.74	27.46	2.79	26.75	2.85
	59	50	31.31	2.63	30.56	2.68	29.82	2.74	29.07	2.79	28.33	2.85
68	59	33.33	2.63	32.53	2.68	31.74	2.74	30.95	2.79	30.15	2.85	
75	65	35.35	2.63	34.50	2.68	33.66	2.74	32.82	2.79	31.98	2.85	

		Indoor temperature										
Outdoor temperature	°CDB	°CDB	15.6		18.3		21.2		23.9		25.6	
	°CWB		TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kW		kW		kW		kW		kW	
	-26.1	-27.0	3.98	2.26	3.88	2.31	3.79	2.35	3.69	2.40	3.60	2.45
	-20.6	-21.7	5.62	2.77	5.49	2.83	5.36	2.88	5.22	2.94	5.09	3.00
	-15.0	-16.1	7.27	3.28	7.10	3.34	6.93	3.41	6.75	3.48	6.58	3.55
	-10.0	-11.1	7.41	3.27	7.23	3.34	7.06	3.41	6.88	3.48	6.70	3.55
	-5.0	-7.2	7.54	3.27	7.36	3.34	7.18	3.41	7.00	3.47	6.82	3.54
	0.0	-2.2	7.91	2.79	7.72	2.85	7.54	2.90	7.35	2.96	7.16	3.02
	5.0	2.8	8.19	2.69	7.99	2.75	7.80	2.80	7.60	2.86	7.41	2.91
8.3	6.1	8.46	2.63	8.26	2.69	8.06	2.74	7.86	2.79	7.66	2.85	
10.0	8.3	8.67	2.63	8.46	2.68	8.25	2.74	8.05	2.79	7.84	2.85	
15.0	10.0	9.18	2.63	8.96	2.68	8.74	2.74	8.52	2.79	8.30	2.85	
20.0	15.0	9.77	2.63	9.53	2.68	9.30	2.74	9.07	2.79	8.84	2.85	
23.9	18.3	10.36	2.63	10.11	2.68	9.87	2.74	9.62	2.79	9.37	2.85	

## ● Indoor units: 7,000 Btu + 18,000 Btu

		Indoor temperature										
		°FDB	60		65		70		75		78	
Outdoor temperature	°FDB	°FWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
	-15	-17	13.96	2.42	13.63	2.47	13.29	2.52	12.96	2.57	12.63	2.62
	-5	-7	19.75	2.96	19.28	3.02	18.81	3.08	18.34	3.15	17.87	3.21
	5	3	25.54	3.50	24.93	3.58	24.32	3.65	23.72	3.72	23.11	3.79
	14	12	26.01	3.50	25.39	3.57	24.77	3.65	24.15	3.72	23.54	3.79
	23	19	26.49	3.50	25.86	3.57	25.22	3.64	24.59	3.72	23.96	3.79
	32	28	27.78	2.98	27.12	3.04	26.46	3.11	25.80	3.17	25.14	3.23
	41	37	28.75	2.88	28.06	2.94	27.38	3.00	26.70	3.06	26.01	3.12
	47	43	29.71	2.81	29.01	2.87	28.30	2.93	27.59	2.99	26.88	3.05
	50	47	30.43	2.81	29.71	2.87	28.98	2.93	28.26	2.99	27.53	3.05
	59	50	32.22	2.81	31.45	2.87	30.68	2.93	29.92	2.98	29.15	3.04
68	59	34.30	2.81	33.48	2.87	32.66	2.93	31.85	2.98	31.03	3.04	
75	65	36.37	2.81	35.51	2.87	34.64	2.93	33.78	2.98	32.91	3.04	

OUTDOOR UNIT (3-unit type)  
AOU24RLXFZH

OUTDOOR UNIT (3-unit type)  
AOU24RLXFZH

		Indoor temperature												
Outdoor temperature		°CDB	15.6		18.3		21.2		23.9		25.6			
	°CDB	°CWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP		
			kW		kW		kW		kW		kW			
			-26.1	-27.0	4.09	2.42	3.99	2.47	3.90	2.52	3.80	2.57	3.70	2.62
			-20.6	-21.7	5.79	2.96	5.65	3.02	5.51	3.08	5.37	3.15	5.24	3.21
	-15.0	-16.1	7.49	3.50	7.31	3.58	7.13	3.65	6.95	3.72	6.77	3.79		
	-10.0	-11.1	7.62	3.50	7.44	3.57	7.26	3.65	7.08	3.72	6.90	3.79		
	-5.0	-7.2	7.76	3.50	7.58	3.57	7.39	3.64	7.21	3.72	7.02	3.79		
	0.0	-2.2	8.14	2.98	7.95	3.04	7.76	3.11	7.56	3.17	7.37	3.23		
	5.0	2.8	8.43	2.88	8.23	2.94	8.02	3.00	7.82	3.06	7.62	3.12		
	8.3	6.1	8.71	2.81	8.50	2.87	8.29	2.93	8.09	2.99	7.88	3.05		
	10.0	8.3	8.92	2.81	8.71	2.87	8.49	2.93	8.28	2.99	8.07	3.05		
	15.0	10.0	9.44	2.81	9.22	2.87	8.99	2.93	8.77	2.98	8.54	3.04		
	20.0	15.0	10.05	2.81	9.81	2.87	9.57	2.93	9.33	2.98	9.09	3.04		
	23.9	18.3	10.66	2.81	10.41	2.87	10.15	2.93	9.90	2.98	9.65	3.04		

## ● Indoor units: 9,000 Btu + 9,000 Btu

		Indoor temperature										
		°FDB	60		65		70		75		78	
Outdoor temperature	°FDB	°FWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
	-15	-17	12.53	2.17	12.23	2.22	11.93	2.26	11.63	2.31	11.34	2.35
	-5	-7	17.73	2.66	17.30	2.71	16.88	2.77	16.46	2.82	16.04	2.88
	5	3	22.92	3.14	22.38	3.21	21.83	3.28	21.29	3.34	20.74	3.41
	14	12	23.35	3.14	22.79	3.21	22.24	3.27	21.68	3.34	21.12	3.40
	23	19	23.77	3.14	23.21	3.20	22.64	3.27	22.07	3.34	21.51	3.40
	32	28	24.94	2.68	24.34	2.73	23.75	2.79	23.16	2.84	22.56	2.90
	41	37	25.80	2.58	25.19	2.64	24.57	2.69	23.96	2.74	23.35	2.80
	47	43	26.67	2.52	26.04	2.58	25.40	2.63	24.77	2.68	24.13	2.74
	50	47	27.31	2.52	26.66	2.58	26.01	2.63	25.36	2.68	24.71	2.73
	59	50	28.92	2.52	28.23	2.57	27.54	2.63	26.85	2.68	26.16	2.73
68	59	30.78	2.52	30.05	2.57	29.32	2.63	28.58	2.68	27.85	2.73	
75	65	32.65	2.52	31.87	2.57	31.09	2.63	30.31	2.68	29.54	2.73	

		Indoor temperature										
Outdoor temperature	°CDB	°CDB	15.6		18.3		21.2		23.9		25.6	
	°CWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	
		kW		kW		kW		kW		kW		
	-26.1	-27.0	3.67	2.17	3.58	2.22	3.50	2.26	3.41	2.31	3.32	2.35
	-20.6	-21.7	5.20	2.66	5.07	2.71	4.95	2.77	4.82	2.82	4.70	2.88
	-15.0	-16.1	6.72	3.14	6.56	3.21	6.40	3.28	6.24	3.34	6.08	3.41
	-10.0	-11.1	6.84	3.14	6.68	3.21	6.52	3.27	6.35	3.34	6.19	3.40
	-5.0	-7.2	6.97	3.14	6.80	3.20	6.64	3.27	6.47	3.34	6.30	3.40
	0.0	-2.2	7.31	2.68	7.13	2.73	6.96	2.79	6.79	2.84	6.61	2.90
	5.0	2.8	7.56	2.58	7.38	2.64	7.20	2.69	7.02	2.74	6.84	2.80
	8.3	6.1	7.82	2.52	7.63	2.58	7.44	2.63	7.26	2.68	7.07	2.74
	10.0	8.3	8.00	2.52	7.81	2.58	7.62	2.63	7.43	2.68	7.24	2.73
	15.0	10.0	8.47	2.52	8.27	2.57	8.07	2.63	7.87	2.68	7.67	2.73
	20.0	15.0	9.02	2.52	8.81	2.57	8.59	2.63	8.38	2.68	8.16	2.73
	23.9	18.3	9.57	2.52	9.34	2.57	9.11	2.63	8.88	2.68	8.66	2.73

## ● Indoor units: 9,000 Btu + 12,000 Btu

		Indoor temperature										
		°FDB	60		65		70		75		78	
Outdoor temperature	°FDB	°FWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
	-15	-17	13.47	2.24	13.15	2.28	12.83	2.33	12.50	2.38	12.18	2.42
	-5	-7	19.05	2.74	18.60	2.80	18.15	2.85	17.69	2.91	17.24	2.97
	5	3	24.64	3.24	24.05	3.31	23.47	3.38	22.88	3.44	22.29	3.51
	14	12	25.09	3.24	24.50	3.30	23.90	3.37	23.30	3.44	22.70	3.51
	23	19	25.55	3.23	24.94	3.30	24.33	3.37	23.73	3.44	23.12	3.50
	32	28	26.80	2.76	26.16	2.81	25.53	2.87	24.89	2.93	24.25	2.99
	41	37	27.73	2.66	27.07	2.72	26.41	2.77	25.75	2.83	25.09	2.88
	47	43	28.67	2.60	27.98	2.66	27.30	2.71	26.62	2.76	25.94	2.82
	50	47	29.36	2.60	28.66	2.65	27.96	2.71	27.26	2.76	26.56	2.82
	59	50	31.08	2.60	30.34	2.65	29.60	2.71	28.86	2.76	28.12	2.81
68	59	33.08	2.60	32.30	2.65	31.51	2.71	30.72	2.76	29.93	2.81	
75	65	35.09	2.60	34.25	2.65	33.42	2.71	32.58	2.76	31.75	2.81	

OUTDOOR UNIT (3-unit type)  
AOU24RLXFZH

OUTDOOR UNIT (3-unit type)  
AOU24RLXFZH

		Indoor temperature										
Outdoor temperature	°CDB	°CDB	15.6		18.3		21.2		23.9		25.6	
	°CWB		TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kW		kW		kW		kW		kW	
	-26.1	-27.0	3.95	2.24	3.85	2.28	3.76	2.33	3.66	2.38	3.57	2.42
	-20.6	-21.7	5.58	2.74	5.45	2.80	5.32	2.85	5.19	2.91	5.05	2.97
	-15.0	-16.1	7.22	3.24	7.05	3.31	6.88	3.38	6.71	3.44	6.53	3.51
	-10.0	-11.1	7.35	3.24	7.18	3.30	7.00	3.37	6.83	3.44	6.65	3.51
	-5.0	-7.2	7.49	3.23	7.31	3.30	7.13	3.37	6.95	3.44	6.78	3.50
	0.0	-2.2	7.86	2.76	7.67	2.81	7.48	2.87	7.29	2.93	7.11	2.99
	5.0	2.8	8.13	2.66	7.93	2.72	7.74	2.77	7.55	2.83	7.35	2.88
8.3	6.1	8.40	2.60	8.20	2.66	8.00	2.71	7.80	2.76	7.60	2.82	
10.0	8.3	8.60	2.60	8.40	2.65	8.19	2.71	7.99	2.76	7.78	2.82	
15.0	10.0	9.11	2.60	8.89	2.65	8.68	2.71	8.46	2.76	8.24	2.81	
20.0	15.0	9.70	2.60	9.47	2.65	9.23	2.71	9.00	2.76	8.77	2.81	
23.9	18.3	10.28	2.60	10.04	2.65	9.79	2.71	9.55	2.76	9.30	2.81	

## ● Indoor units: 9,000 Btu + 14,000 Btu

		Indoor temperature										
		°FDB	60		65		70		75		78	
Outdoor temperature	°FDB	°FWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
	-15	-17	13.71	2.27	13.39	2.32	13.06	2.36	12.73	2.41	12.41	2.46
	-5	-7	19.40	2.78	18.94	2.84	18.48	2.89	18.01	2.95	17.55	3.01
	5	3	25.09	3.29	24.49	3.36	23.89	3.42	23.30	3.49	22.70	3.56
	14	12	25.55	3.29	24.94	3.35	24.34	3.42	23.73	3.49	23.12	3.56
	23	19	26.02	3.28	25.40	3.35	24.78	3.42	24.16	3.49	23.54	3.56
	32	28	27.29	2.80	26.64	2.86	25.99	2.91	25.34	2.97	24.69	3.03
	41	37	28.24	2.70	27.57	2.76	26.89	2.81	26.22	2.87	25.55	2.92
	47	43	29.19	2.64	28.49	2.70	27.80	2.75	27.10	2.81	26.41	2.86
	50	47	29.89	2.64	29.18	2.69	28.47	2.75	27.76	2.80	27.04	2.86
	59	50	31.65	2.64	30.89	2.69	30.14	2.75	29.39	2.80	28.63	2.86
68	59	33.69	2.64	32.89	2.69	32.08	2.75	31.28	2.80	30.48	2.86	
75	65	35.73	2.64	34.88	2.69	34.03	2.75	33.18	2.80	32.33	2.86	

		Indoor temperature										
		°CDB	15.6		18.3		21.2		23.9		25.6	
Outdoor temperature	°CDB	°CWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kW		kW		kW		kW		kW	
	-26.1	-27.0	3.95	2.24	3.85	2.28	3.76	2.33	3.66	2.38	3.57	2.42
	-20.6	-21.7	5.58	2.74	5.45	2.80	5.32	2.85	5.19	2.91	5.05	2.97
	-15.0	-16.1	7.22	3.24	7.05	3.31	6.88	3.38	6.71	3.44	6.53	3.51
	-10.0	-11.1	7.35	3.24	7.18	3.30	7.00	3.37	6.83	3.44	6.65	3.51
	-5.0	-7.2	7.49	3.23	7.31	3.30	7.13	3.37	6.95	3.44	6.78	3.50
	0.0	-2.2	7.86	2.76	7.67	2.81	7.48	2.87	7.29	2.93	7.11	2.99
	5.0	2.8	8.13	2.66	7.93	2.72	7.74	2.77	7.55	2.83	7.35	2.88
	8.3	6.1	8.40	2.60	8.20	2.66	8.00	2.71	7.80	2.76	7.60	2.82
	10.0	8.3	8.60	2.60	8.40	2.65	8.19	2.71	7.99	2.76	7.78	2.82
	15.0	10.0	9.11	2.60	8.89	2.65	8.68	2.71	8.46	2.76	8.24	2.81
20.0	15.0	9.70	2.60	9.47	2.65	9.23	2.71	9.00	2.76	8.77	2.81	
23.9	18.3	10.28	2.60	10.04	2.65	9.79	2.71	9.55	2.76	9.30	2.81	

# ● Indoor units: 9,000 Btu + 18,000 Btu

		Indoor temperature										
		°FDB	60		65		70		75		78	
Outdoor temperature	°FDB	°FWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
	-15	-17	14.31	2.42	13.96	2.47	13.62	2.52	13.28	2.57	12.94	2.62
	-5	-7	20.24	2.96	19.76	3.02	19.27	3.08	18.79	3.15	18.31	3.21
	5	3	26.17	3.50	25.55	3.58	24.93	3.65	24.30	3.72	23.68	3.79
	14	12	26.66	3.50	26.02	3.57	25.39	3.65	24.75	3.72	24.12	3.79
	23	19	27.14	3.50	26.50	3.57	25.85	3.64	25.20	3.72	24.56	3.79
	32	28	28.47	2.98	27.79	3.04	27.12	3.11	26.44	3.17	25.76	3.23
	41	37	29.46	2.88	28.76	2.94	28.06	3.00	27.36	3.06	26.65	3.12
	47	43	30.45	2.81	29.73	2.87	29.00	2.93	28.28	2.99	27.55	3.05
	50	47	31.18	2.81	30.44	2.87	29.70	2.93	28.96	2.99	28.21	3.05
	59	50	33.01	2.81	32.23	2.87	31.44	2.93	30.66	2.98	29.87	3.04
68	59	35.14	2.81	34.31	2.87	33.47	2.93	32.63	2.98	31.80	3.04	
75	65	37.27	2.81	36.39	2.87	35.50	2.93	34.61	2.98	33.72	3.04	

OUTDOOR UNIT (3-unit type)  
AOU24RLXFZH

OUTDOOR UNIT (3-unit type)  
AOU24RLXFZH

		Indoor temperature										
Outdoor temperature		°CDB	15.6		18.3		21.2		23.9		25.6	
	°CDB	°CWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kW		kW		kW		kW		kW	
	-26.1	-27.0	4.19	2.42	4.09	2.47	3.99	2.52	3.89	2.57	3.79	2.62
	-20.6	-21.7	5.93	2.96	5.79	3.02	5.65	3.08	5.51	3.15	5.37	3.21
	-15.0	-16.1	7.67	3.50	7.49	3.58	7.31	3.65	7.12	3.72	6.94	3.79
	-10.0	-11.1	7.81	3.50	7.63	3.57	7.44	3.65	7.25	3.72	7.07	3.79
	-5.0	-7.2	7.95	3.50	7.77	3.57	7.58	3.64	7.39	3.72	7.20	3.79
	0.0	-2.2	8.34	2.98	8.15	3.04	7.95	3.11	7.75	3.17	7.55	3.23
	5.0	2.8	8.63	2.88	8.43	2.94	8.22	3.00	8.02	3.06	7.81	3.12
	8.3	6.1	8.92	2.81	8.71	2.87	8.50	2.93	8.29	2.99	8.07	3.05
	10.0	8.3	9.14	2.81	8.92	2.87	8.70	2.93	8.49	2.99	8.27	3.05
	15.0	10.0	9.68	2.81	9.45	2.87	9.22	2.93	8.98	2.98	8.75	3.04
	20.0	15.0	10.30	2.81	10.05	2.87	9.81	2.93	9.56	2.98	9.32	3.04
	23.9	18.3	10.92	2.81	10.66	2.87	10.40	2.93	10.14	2.98	9.88	3.04

# ● Indoor units: 12,000 Btu + 12,000 Btu

		Indoor temperature										
		°FDB	60		65		70		75		78	
Outdoor temperature	°FDB	°FWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
	-15	-17	14.01	2.42	13.68	2.47	13.34	2.52	13.01	2.57	12.67	2.62
	-5	-7	19.82	2.96	19.35	3.02	18.88	3.08	18.40	3.15	17.93	3.21
	5	3	25.63	3.50	25.02	3.58	24.41	3.65	23.80	3.72	23.19	3.79
	14	12	26.11	3.50	25.48	3.57	24.86	3.65	24.24	3.72	23.62	3.79
	23	19	26.58	3.50	25.95	3.57	25.31	3.64	24.68	3.72	24.05	3.79
	32	28	27.88	2.98	27.22	3.04	26.55	3.11	25.89	3.17	25.23	3.23
	41	37	28.85	2.88	28.16	2.94	27.48	3.00	26.79	3.06	26.10	3.12
	47	43	29.82	2.81	29.11	2.87	28.40	2.93	27.69	2.99	26.98	3.05
	50	47	30.54	2.81	29.81	2.87	29.08	2.93	28.36	2.99	27.63	3.05
	59	50	32.33	2.81	31.56	2.87	30.79	2.93	30.02	2.98	29.25	3.04
68	59	34.42	2.81	33.60	2.87	32.78	2.93	31.96	2.98	31.14	3.04	
75	65	36.50	2.81	35.63	2.87	34.76	2.93	33.90	2.98	33.03	3.04	

		Indoor temperature										
Outdoor temperature		°CDB	15.6		18.3		21.2		23.9		25.6	
	°CDB	°CWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kW		kW		kW		kW		kW	
	-26.1	-27.0	4.11	2.42	4.01	2.47	3.91	2.52	3.81	2.57	3.71	2.62
	-20.6	-21.7	5.81	2.96	5.67	3.02	5.53	3.08	5.39	3.15	5.26	3.21
	-15.0	-16.1	7.51	3.50	7.33	3.58	7.15	3.65	6.98	3.72	6.80	3.79
	-10.0	-11.1	7.65	3.50	7.47	3.57	7.29	3.65	7.10	3.72	6.92	3.79
	-5.0	-7.2	7.79	3.50	7.60	3.57	7.42	3.64	7.23	3.72	7.05	3.79
	0.0	-2.2	8.17	2.98	7.98	3.04	7.78	3.11	7.59	3.17	7.39	3.23
	5.0	2.8	8.46	2.88	8.25	2.94	8.05	3.00	7.85	3.06	7.65	3.12
	8.3	6.1	8.74	2.81	8.53	2.87	8.32	2.93	8.12	2.99	7.91	3.05
	10.0	8.3	8.95	2.81	8.74	2.87	8.52	2.93	8.31	2.99	8.10	3.05
	15.0	10.0	9.48	2.81	9.25	2.87	9.02	2.93	8.80	2.98	8.57	3.04
	20.0	15.0	10.09	2.81	9.85	2.87	9.61	2.93	9.37	2.98	9.13	3.04
	23.9	18.3	10.70	2.81	10.44	2.87	10.19	2.93	9.93	2.98	9.68	3.04

## ● Indoor units: 12,000 Btu + 14,000 Btu

		Indoor temperature										
		°FDB	60		65		70		75		78	
Outdoor temperature	°FDB	°FWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
	-15	-17	14.55	2.35	14.21	2.40	13.86	2.45	13.51	2.50	13.17	2.55
	-5	-7	20.59	2.88	20.10	2.94	19.61	3.00	19.12	3.06	18.63	3.12
	5	3	26.63	3.41	25.99	3.48	25.36	3.55	24.72	3.62	24.09	3.69
	14	12	27.12	3.40	26.47	3.48	25.83	3.55	25.18	3.62	24.54	3.69
	23	19	27.61	3.40	26.95	3.47	26.30	3.54	25.64	3.61	24.98	3.69
	32	28	28.96	2.90	28.28	2.96	27.59	3.02	26.90	3.08	26.21	3.14
	41	37	29.97	2.80	29.26	2.86	28.54	2.91	27.83	2.97	27.12	3.03
	47	43	30.98	2.74	30.24	2.79	29.50	2.85	28.77	2.91	28.03	2.96
	50	47	31.72	2.74	30.97	2.79	30.21	2.85	29.46	2.91	28.70	2.96
	59	50	33.59	2.73	32.79	2.79	31.99	2.85	31.19	2.90	30.39	2.96
68	59	35.75	2.73	34.90	2.79	34.05	2.85	33.20	2.90	32.35	2.96	
75	65	37.92	2.73	37.02	2.79	36.11	2.85	35.21	2.90	34.31	2.96	

OUTDOOR UNIT (3-unit type)  
AOU24RLXFZH

OUTDOOR UNIT (3-unit type)  
AOU24RLXFZH

		Indoor temperature										
Outdoor temperature		°CDB	15.6		18.3		21.2		23.9		25.6	
	°CDB	°CWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kW		kW		kW		kW		kW	
	-26.1	-27.0	4.27	2.35	4.16	2.40	4.06	2.45	3.96	2.50	3.86	2.55
	-20.6	-21.7	6.03	2.88	5.89	2.94	5.75	3.00	5.60	3.06	5.46	3.12
	-15.0	-16.1	7.80	3.41	7.62	3.48	7.43	3.55	7.25	3.62	7.06	3.69
	-10.0	-11.1	7.95	3.40	7.76	3.48	7.57	3.55	7.38	3.62	7.19	3.69
	-5.0	-7.2	8.09	3.40	7.90	3.47	7.71	3.54	7.51	3.61	7.32	3.69
	0.0	-2.2	8.49	2.90	8.29	2.96	8.08	3.02	7.88	3.08	7.68	3.14
	5.0	2.8	8.78	2.80	8.57	2.86	8.37	2.91	8.16	2.97	7.95	3.03
8.3	6.1	9.08	2.74	8.86	2.79	8.65	2.85	8.43	2.91	8.21	2.96	
10.0	8.3	9.30	2.74	9.08	2.79	8.85	2.85	8.63	2.91	8.41	2.96	
15.0	10.0	9.84	2.73	9.61	2.79	9.38	2.85	9.14	2.90	8.91	2.96	
20.0	15.0	10.48	2.73	10.23	2.79	9.98	2.85	9.73	2.90	9.48	2.96	
23.9	18.3	11.11	2.73	10.85	2.79	10.58	2.85	10.32	2.90	10.06	2.96	

## ● Indoor units: 7,000 Btu + 7,000 Btu + 7,000 Btu

		Indoor temperature										
		°FDB	60		65		70		75		78	
Outdoor temperature	°FDB	°FWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
	-15	-17	14.06	2.35	13.72	2.40	13.39	2.45	13.05	2.50	12.72	2.55
	-5	-7	19.89	2.88	19.42	2.94	18.94	3.00	18.47	3.06	17.99	3.12
	5	3	25.72	3.41	25.11	3.48	24.50	3.55	23.88	3.62	23.27	3.69
	14	12	26.20	3.40	25.57	3.48	24.95	3.55	24.33	3.62	23.70	3.69
	23	19	26.67	3.40	26.04	3.47	25.40	3.54	24.77	3.61	24.13	3.69
	32	28	27.98	2.90	27.31	2.96	26.65	3.02	25.98	3.08	25.31	3.14
	41	37	28.95	2.80	28.26	2.86	27.57	2.91	26.88	2.97	26.19	3.03
	47	43	29.92	2.74	29.21	2.79	28.50	2.85	27.79	2.91	27.07	2.96
	50	47	30.64	2.74	29.91	2.79	29.18	2.85	28.46	2.91	27.73	2.96
	59	50	32.44	2.73	31.67	2.79	30.90	2.85	30.13	2.90	29.35	2.96
68	59	34.54	2.73	33.71	2.79	32.89	2.85	32.07	2.90	31.25	2.96	
75	65	36.63	2.73	35.76	2.79	34.89	2.85	34.01	2.90	33.14	2.96	

		Indoor temperature										
Outdoor temperature	°CDB	°CDB	15.6		18.3		21.2		23.9		25.6	
		°CWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kW		kW		kW		kW		kW	
	-26.1	-27.0	4.12	2.35	4.02	2.40	3.92	2.45	3.83	2.50	3.73	2.55
	-20.6	-21.7	5.83	2.88	5.69	2.94	5.55	3.00	5.41	3.06	5.27	3.12
	-15.0	-16.1	7.54	3.41	7.36	3.48	7.18	3.55	7.00	3.62	6.82	3.69
	-10.0	-11.1	7.68	3.40	7.49	3.48	7.31	3.55	7.13	3.62	6.95	3.69
	-5.0	-7.2	7.82	3.40	7.63	3.47	7.45	3.54	7.26	3.61	7.07	3.69
	0.0	-2.2	8.20	2.90	8.00	2.96	7.81	3.02	7.61	3.08	7.42	3.14
	5.0	2.8	8.49	2.80	8.28	2.86	8.08	2.91	7.88	2.97	7.68	3.03
8.3	6.1	8.77	2.74	8.56	2.79	8.35	2.85	8.14	2.91	7.93	2.96	
10.0	8.3	8.98	2.74	8.77	2.79	8.55	2.85	8.34	2.91	8.13	2.96	
15.0	10.0	9.51	2.73	9.28	2.79	9.06	2.85	8.83	2.90	8.60	2.96	
20.0	15.0	10.12	2.73	9.88	2.79	9.64	2.85	9.40	2.90	9.16	2.96	
23.9	18.3	10.74	2.73	10.48	2.79	10.22	2.85	9.97	2.90	9.71	2.96	

# ● Indoor units: 7,000 Btu + 7,000 Btu + 9,000 Btu

		Indoor temperature										
		°FDB	60		65		70		75		78	
Outdoor temperature	°FDB	°FWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
	-15	-17	14.70	2.42	14.35	2.47	14.00	2.52	13.65	2.57	13.30	2.62
	-5	-7	20.80	2.96	20.30	3.02	19.81	3.08	19.31	3.15	18.82	3.21
	5	3	26.89	3.50	26.25	3.58	25.61	3.65	24.97	3.72	24.33	3.79
	14	12	27.39	3.50	26.74	3.57	26.09	3.65	25.44	3.72	24.78	3.79
	23	19	27.89	3.50	27.23	3.57	26.56	3.64	25.90	3.72	25.23	3.79
	32	28	29.26	2.98	28.56	3.04	27.86	3.11	27.17	3.17	26.47	3.23
	41	37	30.27	2.88	29.55	2.94	28.83	3.00	28.11	3.06	27.39	3.12
	47	43	31.29	2.81	30.55	2.87	29.80	2.93	29.06	2.99	28.31	3.05
	50	47	32.04	2.81	31.28	2.87	30.52	2.93	29.75	2.99	28.99	3.05
	59	50	33.93	2.81	33.12	2.87	32.31	2.93	31.50	2.98	30.69	3.04
68	59	36.11	2.81	35.25	2.87	34.39	2.93	33.53	2.98	32.67	3.04	
75	65	38.30	2.81	37.39	2.87	36.48	2.93	35.57	2.98	34.65	3.04	

OUTDOOR UNIT (3-unit type)  
AOU24RLXFZH

OUTDOOR UNIT (3-unit type)  
AOU24RLXFZH

		Indoor temperature												
Outdoor temperature		°CDB	15.6		18.3		21.2		23.9		25.6			
	°CDB	°CWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP		
			kW		kW		kW		kW		kW			
			-26.1	-27.0	4.31	2.42	4.21	2.47	4.10	2.52	4.00	2.57	3.90	2.62
			-20.6	-21.7	6.10	2.96	5.95	3.02	5.80	3.08	5.66	3.15	5.51	3.21
	-15.0	-16.1	7.88	3.50	7.69	3.58	7.51	3.65	7.32	3.72	7.13	3.79		
	-10.0	-11.1	8.03	3.50	7.84	3.57	7.65	3.65	7.45	3.72	7.26	3.79		
	-5.0	-7.2	8.17	3.50	7.98	3.57	7.78	3.64	7.59	3.72	7.40	3.79		
	0.0	-2.2	8.57	2.98	8.37	3.04	8.17	3.11	7.96	3.17	7.76	3.23		
	5.0	2.8	8.87	2.88	8.66	2.94	8.45	3.00	8.24	3.06	8.03	3.12		
	8.3	6.1	9.17	2.81	8.95	2.87	8.73	2.93	8.52	2.99	8.30	3.05		
	10.0	8.3	9.39	2.81	9.17	2.87	8.94	2.93	8.72	2.99	8.50	3.05		
	15.0	10.0	9.94	2.81	9.71	2.87	9.47	2.93	9.23	2.98	9.00	3.04		
	20.0	15.0	10.58	2.81	10.33	2.87	10.08	2.93	9.83	2.98	9.58	3.04		
	23.9	18.3	11.23	2.81	10.96	2.87	10.69	2.93	10.42	2.98	10.16	3.04		

# ● Indoor units: 7,000 Btu + 7,000 Btu + 12,000 Btu

		Indoor temperature										
		°FDB	60		65		70		75		78	
Outdoor temperature	°FDB	°FWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
	-15	-17	14.80	2.42	14.45	2.47	14.09	2.52	13.74	2.57	13.39	2.62
	-5	-7	20.94	2.96	20.44	3.02	19.94	3.08	19.44	3.15	18.94	3.21
	5	3	27.07	3.50	26.43	3.58	25.79	3.65	25.14	3.72	24.50	3.79
	14	12	27.58	3.50	26.92	3.57	26.26	3.65	25.61	3.72	24.95	3.79
	23	19	28.08	3.50	27.41	3.57	26.74	3.64	26.07	3.72	25.40	3.79
	32	28	29.45	2.98	28.75	3.04	28.05	3.11	27.35	3.17	26.65	3.23
	41	37	30.48	2.88	29.75	2.94	29.03	3.00	28.30	3.06	27.57	3.12
	47	43	31.50	2.81	30.75	2.87	30.00	2.93	29.25	2.99	28.50	3.05
	50	47	32.26	2.81	31.49	2.87	30.72	2.93	29.95	2.99	29.19	3.05
	59	50	34.15	2.81	33.34	2.87	32.53	2.93	31.71	2.98	30.90	3.04
68	59	36.36	2.81	35.49	2.87	34.62	2.93	33.76	2.98	32.89	3.04	
75	65	38.56	2.81	37.64	2.87	36.72	2.93	35.81	2.98	34.89	3.04	

		Indoor temperature										
Outdoor temperature		°CDB	15.6		18.3		21.2		23.9		25.6	
	°CDB	°CWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kW		kW		kW		kW		kW	
	-26.1	-27.0	4.34	2.42	4.23	2.47	4.13	2.52	4.03	2.57	3.92	2.62
	-20.6	-21.7	6.14	2.96	5.99	3.02	5.84	3.08	5.70	3.15	5.55	3.21
	-15.0	-16.1	7.94	3.50	7.75	3.58	7.56	3.65	7.37	3.72	7.18	3.79
	-10.0	-11.1	8.08	3.50	7.89	3.57	7.70	3.65	7.50	3.72	7.31	3.79
	-5.0	-7.2	8.23	3.50	8.03	3.57	7.84	3.64	7.64	3.72	7.45	3.79
	0.0	-2.2	8.63	2.98	8.43	3.04	8.22	3.11	8.02	3.17	7.81	3.23
	5.0	2.8	8.93	2.88	8.72	2.94	8.51	3.00	8.29	3.06	8.08	3.12
8.3	6.1	9.23	2.81	9.01	2.87	8.79	2.93	8.57	2.99	8.35	3.05	
10.0	8.3	9.45	2.81	9.23	2.87	9.00	2.93	8.78	2.99	8.55	3.05	
15.0	10.0	10.01	2.81	9.77	2.87	9.53	2.93	9.29	2.98	9.06	3.04	
20.0	15.0	10.66	2.81	10.40	2.87	10.15	2.93	9.89	2.98	9.64	3.04	
23.9	18.3	11.30	2.81	11.03	2.87	10.76	2.93	10.49	2.98	10.22	3.04	

# ● Indoor units: 7,000 Btu + 9,000 Btu + 9,000 Btu

		Indoor temperature										
		°FDB	60		65		70		75		78	
Outdoor temperature	°FDB	°FWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
	-15	-17	14.80	2.42	14.45	2.47	14.09	2.52	13.74	2.57	13.39	2.62
	-5	-7	20.94	2.96	20.44	3.02	19.94	3.08	19.44	3.15	18.94	3.21
	5	3	27.07	3.50	26.43	3.58	25.79	3.65	25.14	3.72	24.50	3.79
	14	12	27.58	3.50	26.92	3.57	26.26	3.65	25.61	3.72	24.95	3.79
	23	19	28.08	3.50	27.41	3.57	26.74	3.64	26.07	3.72	25.40	3.79
	32	28	29.45	2.98	28.75	3.04	28.05	3.11	27.35	3.17	26.65	3.23
	41	37	30.48	2.88	29.75	2.94	29.03	3.00	28.30	3.06	27.57	3.12
	47	43	31.50	2.81	30.75	2.87	30.00	2.93	29.25	2.99	28.50	3.05
	50	47	32.26	2.81	31.49	2.87	30.72	2.93	29.95	2.99	29.19	3.05
	59	50	34.15	2.81	33.34	2.87	32.53	2.93	31.71	2.98	30.90	3.04
68	59	36.36	2.81	35.49	2.87	34.62	2.93	33.76	2.98	32.89	3.04	
75	65	38.56	2.81	37.64	2.87	36.72	2.93	35.81	2.98	34.89	3.04	

OUTDOOR UNIT (3-unit type)  
AOU24RLXFZH

OUTDOOR UNIT (3-unit type)  
AOU24RLXFZH

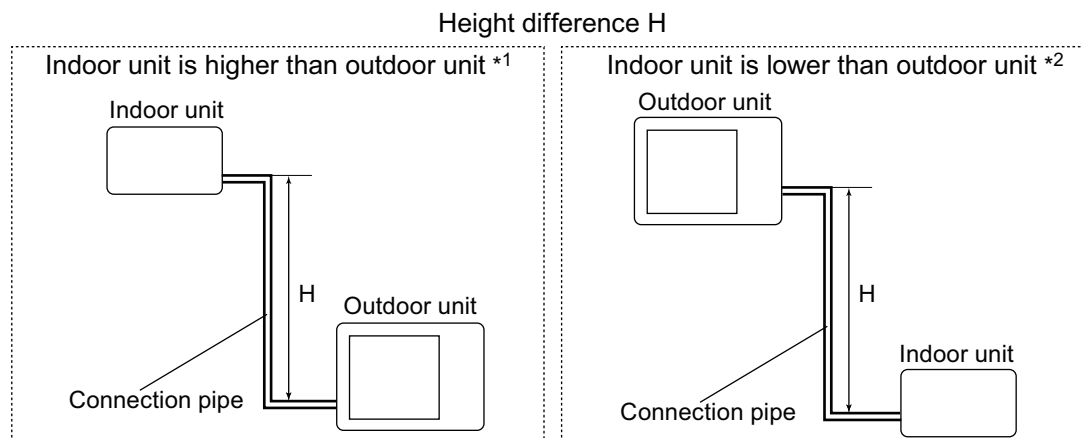
		Indoor temperature										
Outdoor temperature		°CDB	15.6		18.3		21.2		23.9		25.6	
	°CDB	°CWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kW		kW		kW		kW		kW	
	-26.1	-27.0	4.34	2.42	4.23	2.47	4.13	2.52	4.03	2.57	3.92	2.62
	-20.6	-21.7	6.14	2.96	5.99	3.02	5.84	3.08	5.70	3.15	5.55	3.21
	-15.0	-16.1	7.94	3.50	7.75	3.58	7.56	3.65	7.37	3.72	7.18	3.79
	-10.0	-11.1	8.08	3.50	7.89	3.57	7.70	3.65	7.50	3.72	7.31	3.79
	-5.0	-7.2	8.23	3.50	8.03	3.57	7.84	3.64	7.64	3.72	7.45	3.79
	0.0	-2.2	8.63	2.98	8.43	3.04	8.22	3.11	8.02	3.17	7.81	3.23
	5.0	2.8	8.93	2.88	8.72	2.94	8.51	3.00	8.29	3.06	8.08	3.12
8.3	6.1	9.23	2.81	9.01	2.87	8.79	2.93	8.57	2.99	8.35	3.05	
10.0	8.3	9.45	2.81	9.23	2.87	9.00	2.93	8.78	2.99	8.55	3.05	
15.0	10.0	10.01	2.81	9.77	2.87	9.53	2.93	9.29	2.98	9.06	3.04	
20.0	15.0	10.66	2.81	10.40	2.87	10.15	2.93	9.89	2.98	9.64	3.04	
23.9	18.3	11.30	2.81	11.03	2.87	10.76	2.93	10.49	2.98	10.22	3.04	

# ● Indoor units: 9,000 Btu + 9,000 Btu + 9,000 Btu

		Indoor temperature										
		°FDB	60		65		70		75		78	
Outdoor temperature	°FDB	°FWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
	-15	-17	14.80	2.42	14.45	2.47	14.09	2.52	13.74	2.57	13.39	2.62
	-5	-7	20.94	2.96	20.44	3.02	19.94	3.08	19.44	3.15	18.94	3.21
	5	3	27.07	3.50	26.43	3.58	25.79	3.65	25.14	3.72	24.50	3.79
	14	12	27.58	3.50	26.92	3.57	26.26	3.65	25.61	3.72	24.95	3.79
	23	19	28.08	3.50	27.41	3.57	26.74	3.64	26.07	3.72	25.40	3.79
	32	28	29.45	2.98	28.75	3.04	28.05	3.11	27.35	3.17	26.65	3.23
	41	37	30.48	2.88	29.75	2.94	29.03	3.00	28.30	3.06	27.57	3.12
	47	43	31.50	2.81	30.75	2.87	30.00	2.93	29.25	2.99	28.50	3.05
	50	47	32.26	2.81	31.49	2.87	30.72	2.93	29.95	2.99	29.19	3.05
	59	50	34.15	2.81	33.34	2.87	32.53	2.93	31.71	2.98	30.90	3.04
68	59	36.36	2.81	35.49	2.87	34.62	2.93	33.76	2.98	32.89	3.04	
75	65	38.56	2.81	37.64	2.87	36.72	2.93	35.81	2.98	34.89	3.04	

		Indoor temperature										
		°CDB	15.6		18.3		21.2		23.9		25.6	
Outdoor temperature	°CDB	°CWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kW		kW		kW		kW		kW	
	-26.1	-27.0	4.34	2.42	4.23	2.47	4.13	2.52	4.03	2.57	3.92	2.62
	-20.6	-21.7	6.14	2.96	5.99	3.02	5.84	3.08	5.70	3.15	5.55	3.21
	-15.0	-16.1	7.94	3.50	7.75	3.58	7.56	3.65	7.37	3.72	7.18	3.79
	-10.0	-11.1	8.08	3.50	7.89	3.57	7.70	3.65	7.50	3.72	7.31	3.79
	-5.0	-7.2	8.23	3.50	8.03	3.57	7.84	3.64	7.64	3.72	7.45	3.79
	0.0	-2.2	8.63	2.98	8.43	3.04	8.22	3.11	8.02	3.17	7.81	3.23
	5.0	2.8	8.93	2.88	8.72	2.94	8.51	3.00	8.29	3.06	8.08	3.12
	8.3	6.1	9.23	2.81	9.01	2.87	8.79	2.93	8.57	2.99	8.35	3.05
	10.0	8.3	9.45	2.81	9.23	2.87	9.00	2.93	8.78	2.99	8.55	3.05
	15.0	10.0	10.01	2.81	9.77	2.87	9.53	2.93	9.29	2.98	9.06	3.04
20.0	15.0	10.66	2.81	10.40	2.87	10.15	2.93	9.89	2.98	9.64	3.04	
23.9	18.3	11.30	2.81	11.03	2.87	10.76	2.93	10.49	2.98	10.22	3.04	

## 7. Capacity compensation rate for pipe length and height difference



### 7-1. Model: AOU24RLXFZH

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

#### ■ Indoor unit: 7,000 Btu

COOLING		Pipe length							
			m	5	7.5	10	15	20	25
		m	ft	16	25	33	49	66	82
Height difference H	Indoor unit is higher than outdoor unit *1	15	49	-	-	-	0.956	0.942	0.928
		10	33	-	-	0.977	0.963	0.950	0.936
		7.5	25	-	0.988	0.981	0.967	0.953	0.940
		5	16	0.995	0.992	0.985	0.971	0.957	0.943
		0	0	1.003	1.000	0.993	0.979	0.965	0.951
	Indoor unit is lower than outdoor unit *2	-5	-16	1.003	1.000	0.993	0.979	0.965	0.951
		-7.5	-25	-	1.000	0.993	0.979	0.965	0.951
		-10	-33	-	-	0.993	0.979	0.965	0.951
-15		-49	-	-	-	0.979	0.965	0.951	

HEATING		Pipe length							
			m	5	7.5	10	15	20	25
		m	ft	16	25	33	49	66	82
Height difference H	Indoor unit is higher than outdoor unit *1	15	49	-	-	-	0.977	0.958	0.939
		10	33	-	-	0.993	0.977	0.958	0.939
		7.5	25	-	1.000	0.993	0.977	0.958	0.939
		5	16	0.990	1.000	0.993	0.977	0.958	0.939
		0	0	0.990	1.000	0.993	0.977	0.958	0.939
	Indoor unit is lower than outdoor unit *2	-5	-16	0.985	0.995	0.988	0.972	0.953	0.934
		-7.5	-25	-	0.993	0.986	0.970	0.951	0.932
		-10	-33	-	-	0.983	0.967	0.948	0.930
-15		-49	-	-	-	0.962	0.944	0.925	

## Indoor unit: 9,000 Btu

COOLING		Pipe length							
			m	5	7.5	10	15	20	25
		m	ft	16	25	33	49	66	82
Height difference H	Indoor unit is higher than outdoor unit *1	15	49	-	-	-	0.956	0.942	0.928
		10	33	-	-	0.977	0.963	0.950	0.936
		7.5	25	-	0.988	0.981	0.967	0.953	0.940
		5	16	0.999	0.992	0.985	0.971	0.957	0.943
		0	0	1.007	1.000	0.993	0.979	0.965	0.951
	Indoor unit is lower than outdoor unit *2	-5	-16	1.007	1.000	0.993	0.979	0.965	0.951
		-7.5	-25	-	1.000	0.993	0.979	0.965	0.951
		-10	-33	-	-	0.993	0.979	0.965	0.951
		-15	-49	-	-	-	0.979	0.965	0.951

HEATING		Pipe length							
			m	5	7.5	10	15	20	25
		m	ft	16	25	33	49	66	82
Height difference H	Indoor unit is higher than outdoor unit *1	15	49	-	-	-	0.977	0.958	0.939
		10	33	-	-	0.993	0.977	0.958	0.939
		7.5	25	-	1.000	0.993	0.977	0.958	0.939
		5	16	0.993	1.000	0.993	0.977	0.958	0.939
		0	0	0.993	1.000	0.993	0.977	0.958	0.939
	Indoor unit is lower than outdoor unit *2	-5	-16	0.988	0.995	0.988	0.972	0.953	0.934
		-7.5	-25	-	0.993	0.986	0.970	0.951	0.932
		-10	-33	-	-	0.983	0.967	0.948	0.930
		-15	-49	-	-	-	0.962	0.944	0.925

## Indoor unit: 12,000 Btu

COOLING		Pipe length							
			m	5	7.5	10	15	20	25
		m	ft	16	25	33	49	66	82
Height difference H	Indoor unit is higher than outdoor unit *1	15	49	-	-	-	0.933	0.899	0.859
		10	33	-	-	0.970	0.940	0.906	0.866
		7.5	25	-	0.988	0.974	0.944	0.910	0.869
		5	16	1.006	0.992	0.978	0.948	0.913	0.873
		0	0	1.014	1.000	0.986	0.956	0.921	0.880
	Indoor unit is lower than outdoor unit *2	-5	-16	1.014	1.000	0.986	0.956	0.921	0.880
		-7.5	-25	-	1.000	0.986	0.956	0.921	0.880
		-10	-33	-	-	0.986	0.956	0.921	0.880
		-15	-49	-	-	-	0.956	0.921	0.880

HEATING		Pipe length							
			m	5	7.5	10	15	20	25
		m	ft	16	25	33	49	66	82
Height difference H	Indoor unit is higher than outdoor unit *1	15	49	-	-	-	0.975	0.957	0.940
		10	33	-	-	0.990	0.975	0.957	0.940
		7.5	25	-	1.000	0.990	0.975	0.957	0.940
		5	16	0.995	1.000	0.990	0.975	0.957	0.940
		0	0	0.995	1.000	0.990	0.975	0.957	0.940
	Indoor unit is lower than outdoor unit *2	-5	-16	0.990	0.995	0.985	0.970	0.952	0.936
		-7.5	-25	-	0.993	0.983	0.968	0.950	0.934
		-10	-33	-	-	0.980	0.965	0.947	0.931
		-15	-49	-	-	-	0.960	0.943	0.926

## Indoor unit: 14,000 Btu

COOLING		Pipe length							
			m	5	7.5	10	15	20	25
		m	ft	16	25	33	49	66	82
Height difference H	Indoor unit is higher than outdoor unit *1	15	49	-	-	-	0.969	0.962	0.953
		10	33	-	-	0.982	0.977	0.970	0.961
		7.5	25	-	0.988	0.986	0.981	0.973	0.965
		5	16	0.994	0.992	0.990	0.985	0.977	0.968
		0	0	1.002	1.000	0.998	0.993	0.985	0.976
	Indoor unit is lower than outdoor unit *2	-5	-16	1.002	1.000	0.998	0.993	0.985	0.976
		-7.5	-25	-	1.000	0.998	0.993	0.985	0.976
		-10	-33	-	-	0.998	0.993	0.985	0.976
		-15	-49	-	-	-	0.993	0.985	0.976

HEATING		Pipe length							
			m	5	7.5	10	15	20	25
		m	ft	16	25	33	49	66	82
Height difference H	Indoor unit is higher than outdoor unit *1	15	49	-	-	-	0.967	0.943	0.917
		10	33	-	-	0.990	0.967	0.943	0.917
		7.5	25	-	1.000	0.990	0.967	0.943	0.917
		5	16	1.010	1.000	0.990	0.967	0.943	0.917
		0	0	1.010	1.000	0.990	0.967	0.943	0.917
	Indoor unit is lower than outdoor unit *2	-5	-16	1.005	0.995	0.985	0.962	0.938	0.912
		-7.5	-25	-	0.993	0.983	0.960	0.936	0.911
		-10	-33	-	-	0.980	0.957	0.934	0.908
		-15	-49	-	-	-	0.952	0.929	0.903

## Indoor unit: 18,000 Btu

COOLING		Pipe length							
			m	5	7.5	10	15	20	25
		m	ft	16	25	33	49	66	82
Height difference H	Indoor unit is higher than outdoor unit *1	15	49	-	-	-	0.977	0.968	0.953
		10	33	-	-	0.986	0.985	0.976	0.960
		7.5	25	-	0.988	0.990	0.989	0.980	0.964
		5	16	0.989	0.992	0.994	0.993	0.984	0.968
		0	0	0.997	1.000	1.002	1.002	0.992	0.976
	Indoor unit is lower than outdoor unit *2	-5	-16	0.997	1.000	1.002	1.002	0.992	0.976
		-7.5	-25	-	1.000	1.002	1.002	0.992	0.976
		-10	-33	-	-	1.002	1.002	0.992	0.976
		-15	-49	-	-	-	1.002	0.992	0.976

HEATING		Pipe length							
			m	5	7.5	10	15	20	25
		m	ft	16	25	33	49	66	82
Height difference H	Indoor unit is higher than outdoor unit *1	15	49	-	-	-	0.964	0.939	0.913
		10	33	-	-	0.988	0.964	0.939	0.913
		7.5	25	-	1.000	0.988	0.964	0.939	0.913
		5	16	1.008	1.000	0.988	0.964	0.939	0.913
		0	0	1.008	1.000	0.988	0.964	0.939	0.913
	Indoor unit is lower than outdoor unit *2	-5	-16	1.003	0.995	0.983	0.959	0.934	0.908
		-7.5	-25	-	0.993	0.981	0.957	0.932	0.907
		-10	-33	-	-	0.978	0.954	0.930	0.904
		-15	-49	-	-	-	0.950	0.925	0.899

## 8. Additional charge calculation

### 8-1. Model: AOU24RLXFZH

Refrigerant type		R410A
Refrigerant amount	lb oz	4 lb 14 oz
	g	2,200

#### ■ Refrigerant charge

Total pipe length	ft	98 or less	131	164	196	229 (Max.)	0.21 oz/ft (20 g/m)
	m	30 or less	40	50	60	70 (Max.)	
Additional charge	lb oz	0	7.1 oz	14.1 oz	21.2 oz	28.2 oz	
	g	0	200	400	600	800	

OUTDOOR UNIT (3-unit type)  
AOU24RLXFZH

OUTDOOR UNIT (3-unit type)  
AOU24RLXFZH

## 9. Airflow

### 9-1. Model: AOU24RLXFZH

#### ● Cooling

m <sup>3</sup> /h	3,300
l/s	917
CFM	1,942

#### ● Heating

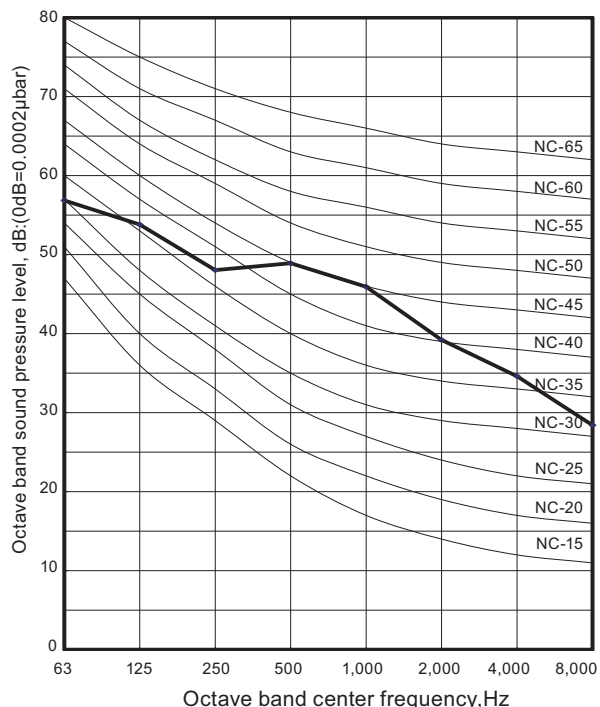
m <sup>3</sup> /h	3,300
l/s	917
CFM	1,942

## 10. Operation noise (sound pressure)

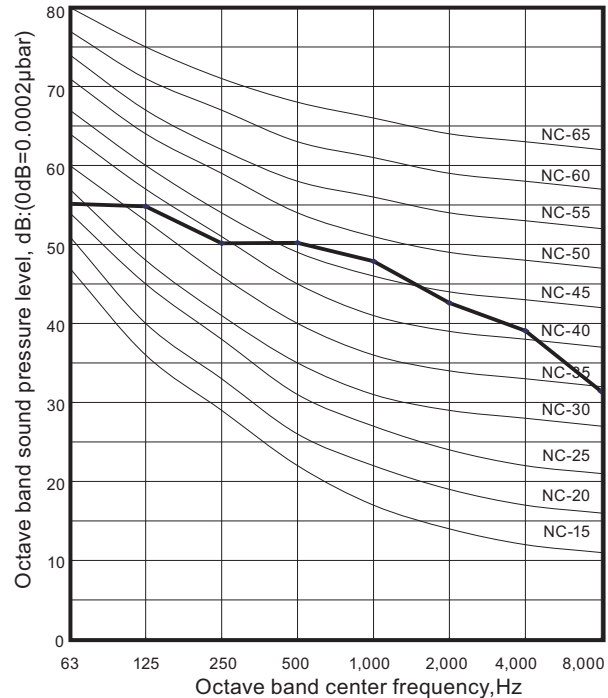
### 10-1. Noise level curve

#### ■ Model: AOU24RLXFZH

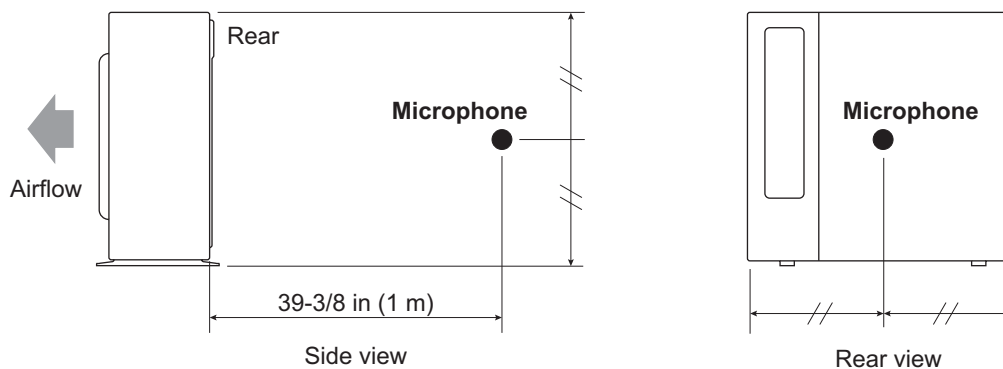
##### ● Cooling



##### ● Heating



### 10-2. Sound level check point



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

## 11. Electrical characteristics

Item		Unit	Model name
			AOU24RLXFZH
Power supply	Voltage	V	208/230 ~
	Frequency	Hz	60
MCA *1		A	25.1
Starting current		A	8.3
Wiring spec. *2	MAX. CKT. BKR *3	A	30
	Power cable	AWG	10
	Connection cable	AWG	14

\*1: Minimum Circuit Ampacity (Calculation based on UL1995)

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

\*3: Maximum Circuit Breaker



## 12. Safety devices

Type of protection	Protection form		Model
			AOU24RLXFZH
Circuit protection	Current fuse (Main PCB)		250 V, 5 A 250 V, 3.15 A
	Current fuse (Near the terminal)		250 V, 10 A
Fan motor protection	Temperature thermistor	Activate	251 ±16 °F (122 ±9 °C) Fan motor stop
		Reset	240 <sup>+18</sup> <sub>-16</sub> °F (116 <sup>+10</sup> <sub>-9</sub> °C) Fan motor restart
Compressor protection	Temperature thermistor	Activate	226 ±4 °F (108 ±2 °C) Compressor stop
		Reset	176 ±4 °F (80 ±2 °C) Compressor restart
	Thermal protection program (Outdoor temp.)*	Activate	-15 °C Compressor stop
		Reset	—
Refrigerant circuit protection	Pressure switch 1	Activate	609 ±15 PSI (4.2 ±0.1 MPa)
		Reset	464 ±22 PSI (3.2 ±0.15 MPa)

Pressure switch 2: For control device. (Refer to the wiring diagram.)

\*: Only for cooling or dry operation.

## 13. Accessories

Part name	Exterior	Q'ty	Part name	Exterior	Q'ty
Installation manual		1	Adapter assy 1/2 in → 3/8 in (12.70 mm) → (9.52 mm)		1

## 14. Outdoor unit installation precautions

**NOTE:** The information listed below are general precautions.  
Some models also include items that do not apply.

### 14-1. Points to remember when installing

- The product shall be installed at a place which can withstand the weight and vibration of the outdoor unit.
- To allow maintenance after refrigerant piping, drain piping, and the connection/installation of electric wiring, provide an maintenance space.  
Maintenance space is shown in ["Installation space"](#) on page 259.
- Be careful when installing the set at the following places.

Condition	Contents	Countermeasures (Reference)
When installed near adjacent houses.	Perform installation work so that operating sound does not disturb the neighbors.	<ol style="list-style-type: none"> <li>1. Install a soundproof barrier.</li> <li>2. Change the installation site.</li> </ol>
When there is the possibility of strong wind.	<ul style="list-style-type: none"> <li>• If the outdoor unit is exposed to strong wind, capacity may drop, frost may form during heating, and operation may be stopped by high pressure rise. In addition, when a very strong wind blows, the fan may be damaged.</li> <li>• When a very strong wind blows, there is the possibility of the outdoor unit being toppled over if held only by foundation bolts.</li> </ul>	<ol style="list-style-type: none"> <li>1. Install the outdoor unit with keeping a sufficient distance between the outlet side of the unit and a facing wall or fence.</li> <li>2. Make the outlet direction and wind direction perpendicular.</li> <li>3. Fasten the outdoor unit using toppling prevention hardware (purchased locally).</li> </ol>
When snow accumulates.	If the outdoor unit is covered by accumulated snow, it may not be able to operate.	<ol style="list-style-type: none"> <li>1. Make the foundation as high as possible.</li> <li>2. Perform snow prevention work.</li> </ol>
When installing the inverter type.	It may generate noise in TV sets, stereos and PCs.	The inverter type should be installed at a sufficient distance from these equipments.