REFRIGERANT **R410A**

INVERTER

AIR CONDITIONER

Multi: 2, 3, 4 rooms type

DESIGN & TECHNICAL MANUAL

For Extra Cold Climate Area

INDOOR

RICH07AVFJ
RICH09AVFJ
RICH12AVFJ
RICH18AVFJ

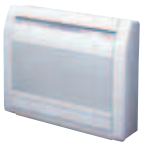
RIDH07AVFJ
RIDH09AVFJ
RIDH12AVFJ

RIDH18AVFJ

RIDH24AVFJ

UIWH07AVFJ
UIWH09AVFJ
UIWH12AVFJ
UIWH15AVFJ

UIWH18AVFJ
UIWH24AVFJ



RIFH09AVFJ
RIFH12AVFJ
RIFH15AVFJ

OUTDOOR

UOMH18FXZHJ
UOMH24FXZHJ

UOMH36FXZHJ

DR_MU018ED_01
2018.09.18

Notices:

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

CONTENTS

CONTENTS (continued)

CONTENTS (continued)

CONTENTS (continued)

CONTENTS (continued)

Part 1. INDOOR UNIT

COMPACT CASSETTE TYPE:

RICH07AVFJ
RICH09AVFJ
RICH12AVFJ
RICH18AVFJ

WALL MOUNTED TYPE:

UIWH07AVFJ
UIWH09AVFJ
UIWH12AVFJ
UIWH15AVFJ
UIWH18AVFJ
UIWH24AVFJ

SLIM DUCT TYPE:

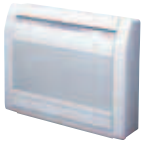
RIDH07AVFJ
RIDH09AVFJ
RIDH12AVFJ
RIDH18AVFJ
RIDH24AVFJ

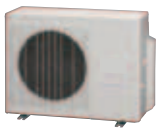
FLOOR TYPE:

RIFH09AVFJ
RIFH12AVFJ
RIFH15AVFJ

MULTI TYPE
2, 3, 4 ROOMS TYPE

1. Model lineup

Indoor unit		
 RICH07AVFJ RICH09AVFJ RICH12AVFJ RICH18AVFJ	 RIDH07AVFJ RIDH09AVFJ RIDH12AVFJ	 RIDH18AVFJ
 RIDH24AVFJ	 UIWH07AVFJ UIWH09AVFJ UIWH12AVFJ UIWH15AVFJ	 UIWH18AVFJ UIWH24AVFJ
 RIFH09AVFJ RIFH12AVFJ RIFH15AVFJ		

Outdoor unit		
 UOMH18FXZHJ UOMH24FXZHJ	 UOMH36FXZHJ	

1-1. Connectable indoor units 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	24	7	9	12	15	18	24	9	12	15
2 rooms	UOMH18FXZHJ	●	●	●	-	●	●	●	-	-	●	●	●	-	-	-	●	●	-
3 rooms	UOMH24FXZHJ	●	●	●	●	●	●	●	●	-	●	●	●	●	●	-	●	●	●
4 rooms	UOMH36FXZHJ	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

MULTI TYPE
2, 3, 4 ROOMS TYPE

1-2. Indoor unit connection patterns

■ 2 rooms

Outdoor unit: UOMH18FXZHJ			
No.	**Room 1**	**Room 2**	**Total**
1	7	7	14
2	7	9	16
3	7	12	19
4	9	9	18
5	9	12	21

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

■ 3 rooms

Outdoor unit: UOMH24FXZHJ				
No.	**Room 1**	**Room 2**	**Room 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,

MULTI TYPE
2, 3, 4 ROOMS TYPE

■ 4 rooms

Outdoor unit: UOMH36FXZHJ					
No.	**Room 1**	**Room 2**	**Room 3**	**Room 4**	**Total**
1	18*1	18*1	—	—	36
2	7	7	15	—	29
3	7	7	18	—	32
4	7	7	24	—	38
5	7	9	12	—	28
6	7	9	15	—	31
7	7	9	18	—	34
8	7	12	12	—	31
9	7	12	15	—	34
10	7	12	18	—	37
11	9	9	9	—	27
12	9	9	12	—	30
13	9	9	15	—	33
14	9	9	18	—	37
15	9	12	12	—	33
16	9	12	15	—	36
17	9	12	18	—	39
18	12	12	12	—	36
19	12	12	15	—	39
20	7	7	7	7	28
21	7	7	7	9	30
22	7	7	7	12	33
23	7	7	7	15	36
24	7	7	7	18*2	39
25	7	7	9	9	32
26	7	7	9	12	35
27	7	7	9	15	38
28	7	7	12	12	38
29	7	9	9	9	34
30	7	9	9	12	37
31	9	9	9	9	36
32	9	9	9	12	39

7: 7,000Btu/h, 9: 9,000Btu/h, 12: 12,000Btu/h, 15: 14,000Btu/h, 18: 18,000Btu/h,
24: 24,000Btu/h

*1: Optional kit RXK9FZ1818 shall be necessary for the dual zone system "18 + 18".

*2: Wall mounted type UIWH18AVFJ can not be connected in this combination.

MULTI TYPE
2, 3, 4 ROOMS TYPE

2. Specifications

2-1. Compact cassette type

Model name					RICH07AVFJ	RICH09AVFJ	RICH12AVFJ	RICH18AVFJ
Power supply					208/230 V ~ 60 Hz			
Available voltage range					187—253 V			
Capacity				Btu/h class	7,000	9,000	12,000	18,000
Input power				W	18	18	23	39
Running current				A	0.15	0.15	0.19	0.30
Fan	Airflow rate	Cooling	HIGH	CFM (m^3/h)	318 (540)	318 (540)	359 (610)	441 (750)
			MED		288 (490)	288 (490)	312 (530)	359 (610)
			LOW		259 (440)	259 (440)	277 (470)	306(520)
			QUIET		230 (390)	230 (390)	241 (410)	241 (410)
		Heating	HIGH		318 (540)	318 (540)	359 (610)	471 (800)
			MED		288 (490)	288 (490)	312 (530)	418 (710)
			LOW		259 (440)	259 (440)	277 (470)	353 (600)
			QUIET		230 (390)	230 (390)	241 (410)	265 (450)
	Type × Q'ty				Turbo fan × 1			
	Motor output			W	54			
Sound pressure level *		Cooling	HIGH	dB (A)	33	33	37	42
			MED		31	31	33	37
			LOW		29	29	31	33
			QUIET		27	27	28	29
		Heating	HIGH		34	34	37	44
			MED		32	32	33	40
			LOW		29	29	31	37
			QUIET		27	27	28	30
Heat exchanger type		Dimensions (H × W × D)		in (mm)	8-1/4 × 51-9/16 × 1/2 + 8-1/4 × 49-3/16 × 1/2 (210 × 1,310 × 13.3 + 210 × 1,250 × 13.3)			
		Fin pitch		FPI	21			
		Rows × Stages			2 × 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)			
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			
	Size			in (mm)	Ø 3/4(I.D.), Ø 1-1/16(O.D.) [Ø 20.7 (I.D.), Ø 26.6 (O.D.)]			
Cassette grille (Option)		Model name			RXCCGF			
		Material			PS			
		Color			White Approximate color of Munsell N 9.25/			
		Dimensions (H × W × D)	Net	in (mm)	1-15/16 × 27-9/16 × 27-9/16 (49 × 700 × 700)			
			Gross		4-3/4 × 30-1/8 × 29-3/4 (120 × 765 × 755)			
		Weight	Net	lb (kg)	5.7 (2.6)			
			Gross		10 (4.5)			
Remote controller type					Wired (Wireless [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.

2-2. Slim duct type

Model name					RIDH07AVFJ	RIDH09AVFJ	RIDH12AVFJ
Power supply					208/230 V ~ 60 Hz		
Available voltage range					187—253 V		
Capacity				Btu/h class	7,000	9,000	12,000
Input power				W	33	49	58
Running current				A	0.30	0.30	0.35
Fan	Airflow rate	Cooling	HIGH	CFM (m^3/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 × Q'ty				Sirocco fan × 2		
	Motor output			W	80		
Recommended static pressure				inWG (Pa)	0 to 0.36 (0 to 90)		
Sound pressure level *		Cooling	HIGH	dB (A)	28	28	29
			MED		26	27	28
			LOW		25	26	27
			QUIET		24	25	26
		Heating	HIGH		28	28	29
			MED		26	26	28
			LOW		25	25	27
			QUIET		24	24	24
Heat exchanger type		Dimensions (H × W × D)		in (mm)	11-9/16 × 19-11/16 × 1-1/16 (294 × 500 × 26.6)	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				Galvanized 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)	37 (17)	40 (18)	
	Gross				49 (22)	51 (23)	
Connection pipe	Size	Liquid		in (mm)	Ø1/4 (Ø6.35)		
		Gas			Ø3/8 (Ø9.52)		
	Method				Flare		
Drain hose	Material				Hard PVC		
	Size			in (mm)	Ø 3/4 (I.D.), Ø 1-1/16 (O.D.) [Ø 20.7 (I.D.), Ø 26.6 (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					Wired (Wireless [option])		

NOTES:

- Specifications are based on the following conditions.
  - Standard static pressure: 0.10 inWG (25 Pa)
- *: 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.

MULTI TYPE
2, 3, 4 ROOMS TYPE

Model name					RIDH18AVFJ	RIDH24AVFJ
Power supply					208/230 V ~ 60 Hz	
Available voltage range					187—253 V	
Capacity				Btu/h class	18,000	24,000
Input power				W	73	111
Running current				A	0.44	0.66
Fan	Airflow rate	Cooling	HIGH	CFM (m^3/h)	554 (940)	783 (1,330)
			MED		518 (880)	730 (1,240)
			LOW		483 (820)	648 (1,100)
			QUIET		441 (750)	607 (1,030)
		Heating	HIGH		554 (940)	783 (1,330)
			MED		518 (880)	730 (1,240)
			LOW		483 (820)	648 (1,100)
			QUIET		441 (750)	607 (1,030)
	Type × Q'ty				Sirocco × 3	Sirocco × 4
	Motor output			W	81	
Recommended static pressure				inWG (Pa)	0 to 0.36 (0 to 90)	0 to 0.20 (0 to 50)
Sound pressure level *2		Cooling	HIGH	dB (A)	32	33
			MED		31	32
			LOW		30	30
			QUIET		29	29
		Heating	HIGH		33	35
			MED		32	34
			LOW		31	32
			QUIET		29	29
Heat exchanger type		Dimensions (H × W × D)		in (mm)	11-9/16 × 27-9/16 × 1-9/16 (294 × 700 × 39.9)	11-9/16 × 35-7/16 × 1-9/16 (294 × 900 × 39.9)
		Fin pitch		FPI	20	
		Rows × Stages			3 × 14	
		Pipe type			Copper tube	
		Fin type			Aluminum	
Enclosure	Material				Galvanized steel sheet	
	Color				-	
Dimensions (H × W × D)	Net			in (mm)	7-13/16 x 35-7/16 x 24-7/16 (198 × 900 × 620)	7-13/16 x 43-5/16 x 24-7/16 (198 × 1,100 × 620)
	Gross				10-13/16 x 45-1/16 x 30-3/8 (274 × 1,145 × 772)	10-13/16 x 52-15/16 x 30-3/8 (274 × 1,345 × 772)
Weight	Net			lb (kg)	49 (22)	55 (25)
	Gross				60 (27)	68 (31)
Connection pipe	Size	Liquid		mm (in)	Ø1/4 (Ø6.35)	
		Gas			Ø1/2 (Ø12.70)	Ø5/8 (Ø15.88)
	Method				Flare	
Drain hose	Material				Hard PVC	
	Size			in (mm)	Ø 3/4(I.D.), Ø 1-1/16(O.D.) [Ø 20.7 (I.D.), Ø 26.6 (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					Wired (Wireless [option])	

NOTES:

- Specifications are based on the following conditions.
  - Standard static pressure: 0.10 inWG (25 Pa)
- *: 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.

MULTI TYPE
2, 3, 4 ROOMS TYPE

2-3. Wall mounted type

Model name					UIWH07AVFJ	UIWH09AVFJ	UIWH12AVFJ	UIWH15AVFJ
Power supply					208/230 V ~ 60 Hz			
Available voltage range					187—253 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 (m^3/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				Cross flow 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			
Enclosure	Material				Polystyrene			
	Color				White (Approximate color of Munsell N 9.25/)			
Dimensions (H × W × D)	Net			in (mm)	10-5/8 × 34-1/4 × 8-1/16 (270 × 870 × 204)			
	Gross				10-5/8 × 36-7/16 × 13-1/4 (270 × 925 × 336)			
Weight	Net			lb (kg)	19 (8.5)			
	Gross				24 (11)			
Connection pipe	Size	Liquid		in (mm)	Ø1/4 (Ø6.35)			
		Gas			Ø3/8 (Ø9.52)			Ø1/2 (Ø12.70)
	Method				Flare			
Drain hose	Material				PP + LLDPE			
	Size			in (mm)	Ø 9/16(I.D.), Ø 5/8 to Ø 11/16(O.D.) [Ø 13.8(I.D.), Ø 15.8 to Ø 16.7(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.

MULTI TYPE
2, 3, 4 ROOMS TYPE

Model name					UIWH18AVFJ	UIWH24AVFJ
Power supply					208/230 V ~ 60 Hz	
Available voltage range					187—253 V	
Capacity				Btu/h class	18,000	24,000
Input power				W	41	69
Running current				A	0.32	0.53
Fan	Airflow rate	Cooling	HIGH	CFM (m^3/h)	542 (920)	659 (1,120)
			MED		436 (740)	530 (900)
			LOW		365 (620)	436 (740)
			QUIET		324 (550)	365 (620)
		Heating	HIGH		542 (920)	647 (1,100)
			MED		436 (740)	530 (900)
			LOW		365 (620)	436 (740)
			QUIET		324 (550)	365 (620)
	Type × Q'ty				Cross flow fan ×1	
	Motor output			W	42	
Sound pressure level *		Cooling	HIGH	dB (A)	43	49
			MED		37	42
			LOW		33	37
			QUIET		31	33
		Heating	HIGH		44	48
			MED		37	42
			LOW		33	37
			QUIET		31	33
Heat exchanger type		Dimensions (H × W × D)		in (mm)	Main: 15-7/8 × 33-3/4 × 1-1/16 (378 × 832 × 26.6) Sub: 3-5/16 × 33-3/4 × 1/2 (84 × 832 × 13.3)	
		Fin pitch		FPI	Main: 21, Sub: 18	
		Rows × Stages			Main: 2 × 18, Sub: 1 × 4	
		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)	12-5/8 × 39-5/16 × 9-3/8 (320 × 998 × 238)	
	Gross				12-15/16 × 42-15/16 × 16-9/16 (329 × 1,090 × 420)	
Weight	Net			lb (kg)	31 (14)	
	Gross				40 (18)	
Connection pipe	Size	Liquid		mm (in)	Ø1/4 (Ø6.35)	
		Gas			Ø1/2 (Ø12.70)	Ø5/8 (Ø15.88)
	Method				Flare	
Drain hose	Material				PVC	
	Size			in (mm)	Ø 1/2(I.D.), Ø 5/8(O.D.) [Ø 12(I.D.), Ø 16(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.

2-4. Floor type

Model name					RIFH09AVFJ	RIFH12AVFJ	RIFH15AVFJ
Power supply					208/230 V ~ 60 Hz		
Available voltage range					187—253 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 (m^3/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				Cross flow 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 x 18		
		Pipe type			Copper tube		
		Fin type			Aluminium		
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 (Ø 6.35)		
		Gas			Ø3/8 (Ø 9.52)		Ø1/2 (Ø 12.70)
	Method				Flare		
Drain hose	Material				PVC		
	Size			in (mm)	Ø 9/16 (I.D.), Ø 11/16 (O.D.) [Ø 13.8 (I.D.), Ø 16.7 (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.

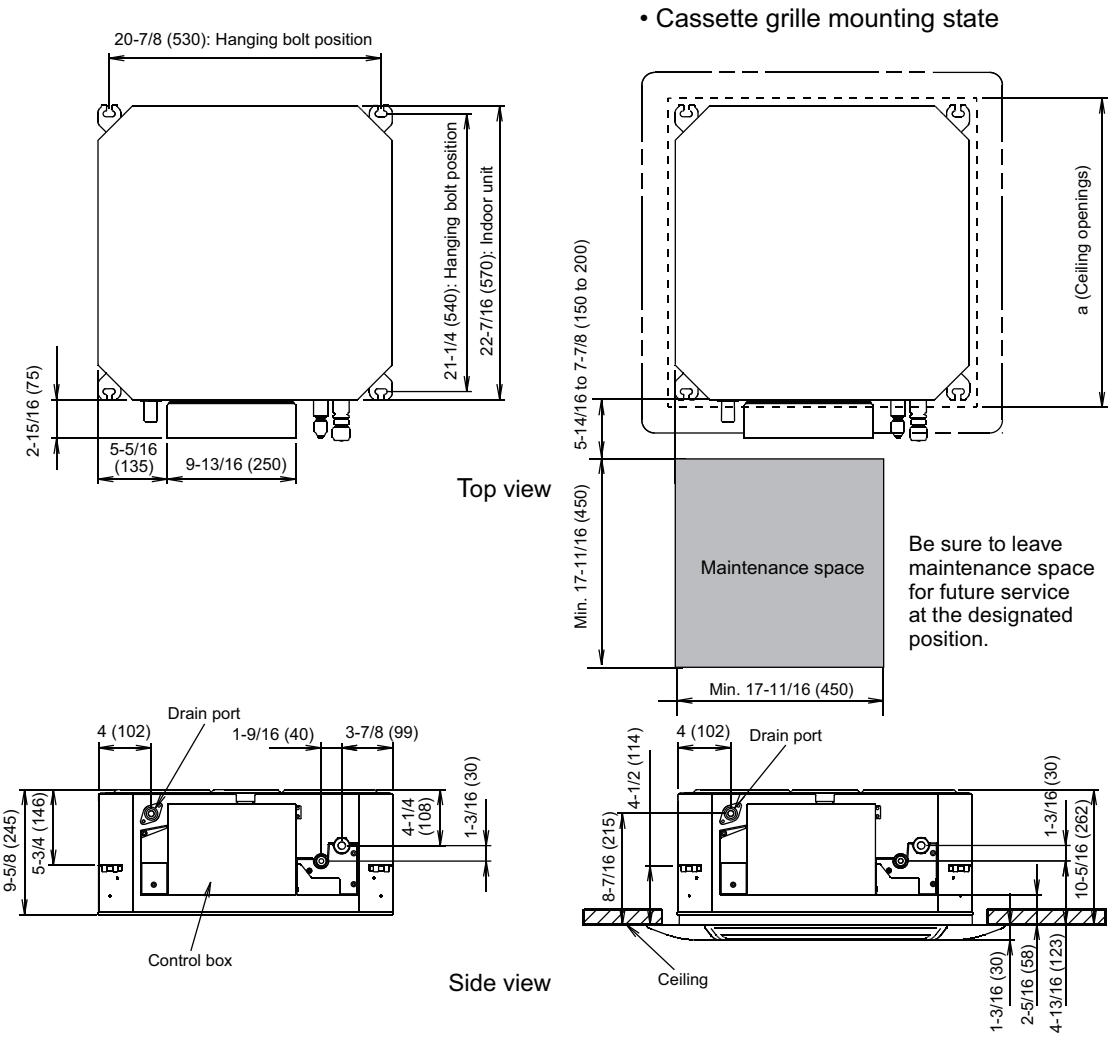
MULTI TYPE
2, 3, 4 ROOMS TYPE

3. Dimensions

3-1. Compact cassette type

■ Models: RICH07AVFJ, RICH09AVFJ, RICH12AVFJ, and RICH18AVFJ

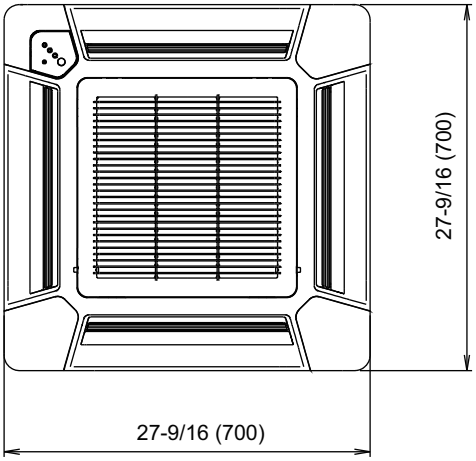
Unit: in (mm)



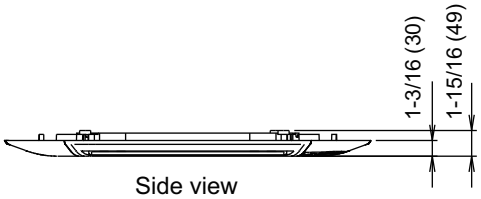
a (Ceiling openings size): 22-13/16 to 26(580 to 660)

MULTI TYPE
2, 3, 4 ROOMS TYPE

• Grille (RXCCGF)



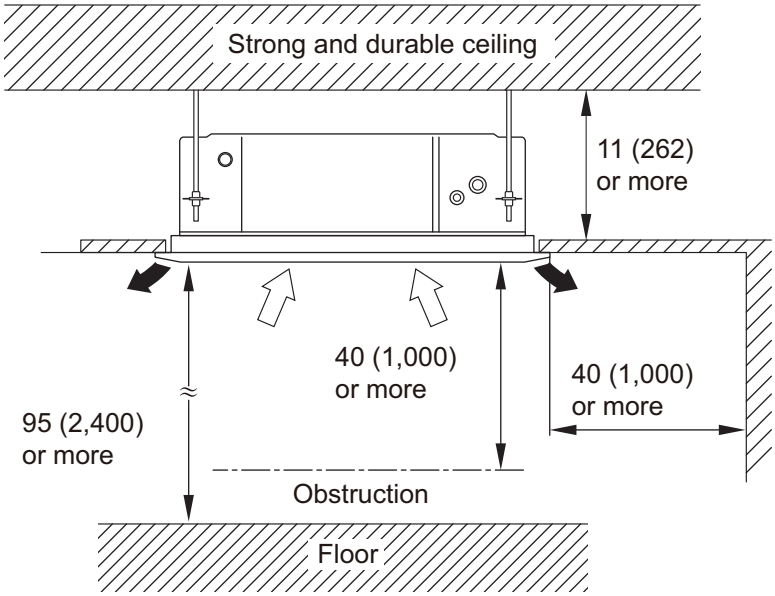
Bottom view



Side view

● Installation space

Unit: in (mm)

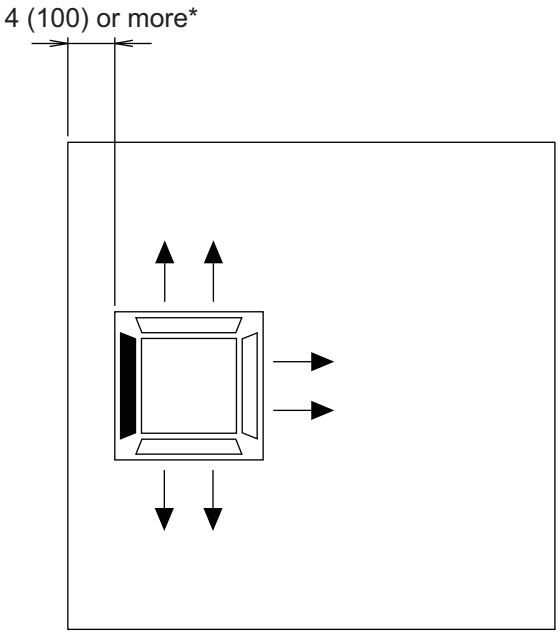


	Maximum height from floor to ceiling [Unit: in (mm)]	
Model name	RICH07-09AVFJ	RICH12-18AVFJ
Standard mode	107 (2,700)	
High ceiling mode	—	119 (3,000)

MULTI TYPE
2, 3, 4 ROOMS TYPE

- **3-way direction setting**

Unit: in (mm)



NOTES:

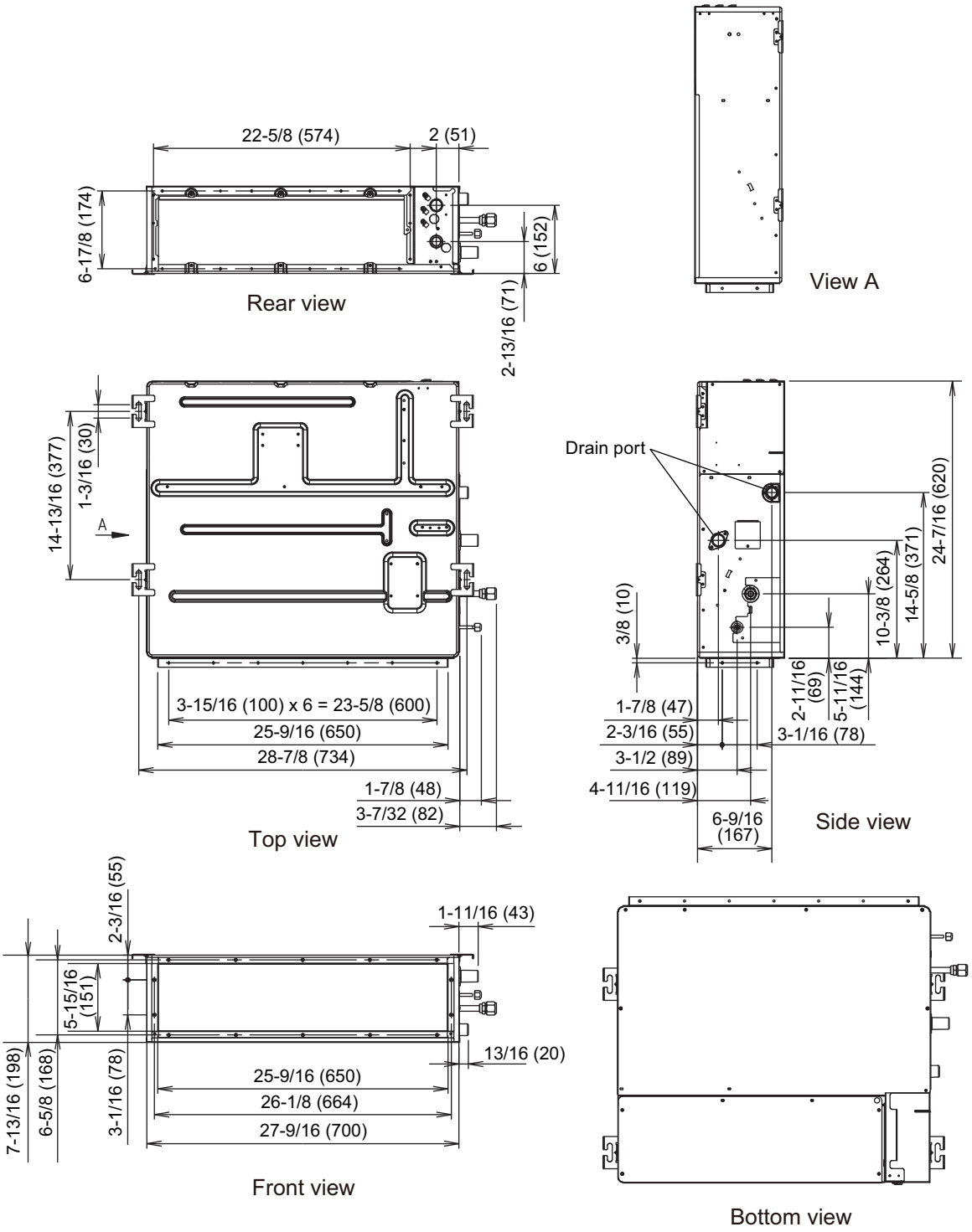
- *: When installing the indoor unit, be careful about the maintenance space.
- To set “3-direction”, optional Air outlet shutter plate (RXYDZB) must be installed, and the “outlet-direction” need to be switched to “3-way” by remote controller.
- The ceiling height cannot be set in the 3-way outlet mode. Therefore, ceiling height setting change by function setting 20 is prohibited. For details, refer to "Contents of function setting" on page 123.

MULTI TYPE
2, 3, 4 ROOMS TYPE

3-2. Slim duct type

■ Models: RIDH07AVFJ, RIDH09AVFJ, and RIDH12AVFJ

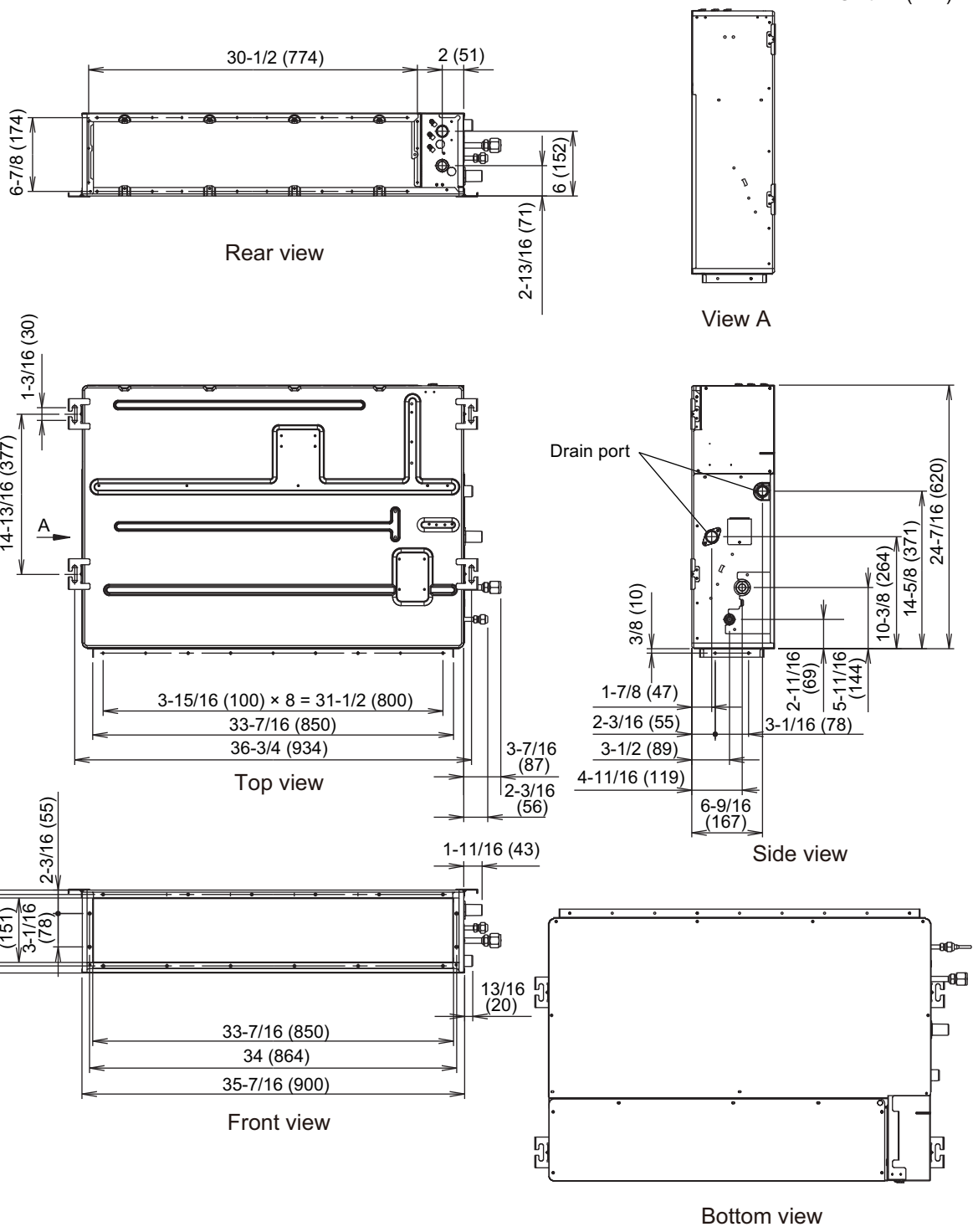
Unit: in (mm)



MULTI TYPE
2, 3, 4 ROOMS TYPE

■ Model: RIDH18AVFJ

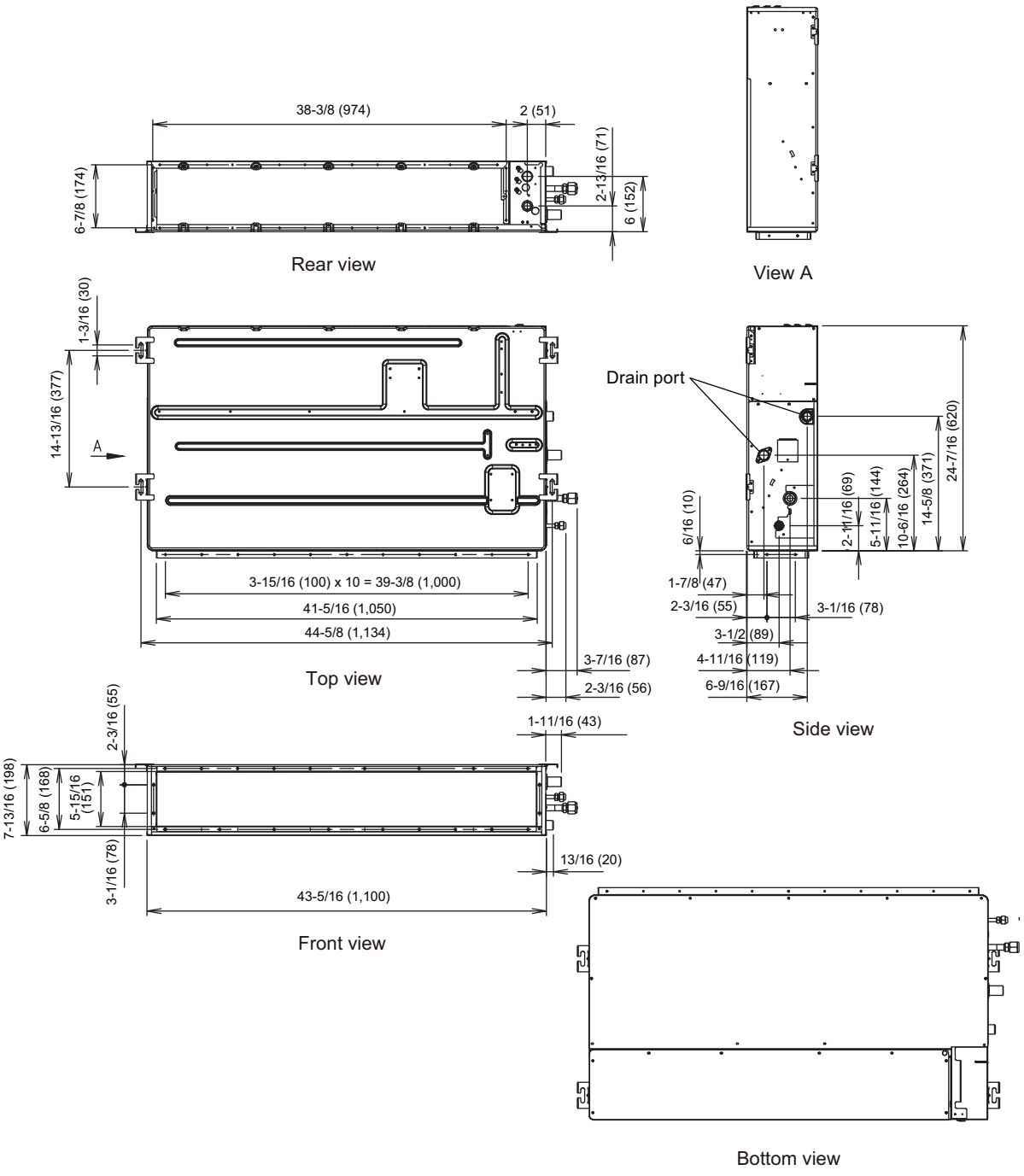
Unit: in (mm)



MULTI TYPE
2, 3, 4 ROOMS TYPE

■ Model: RIDH24AVFJ

Unit: in (mm)



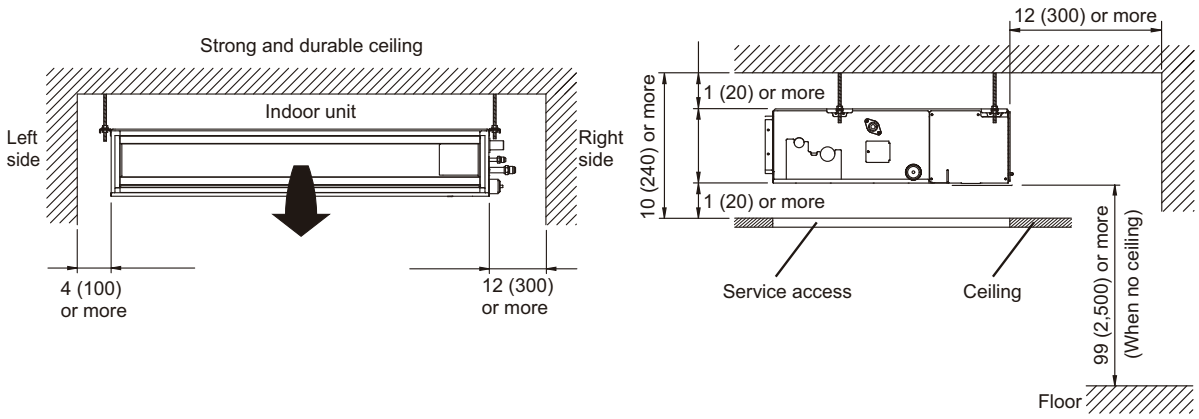
MULTI TYPE
2, 3, 4 ROOMS TYPE

■ Installation space requirement

Provide sufficient installation space for product safety.

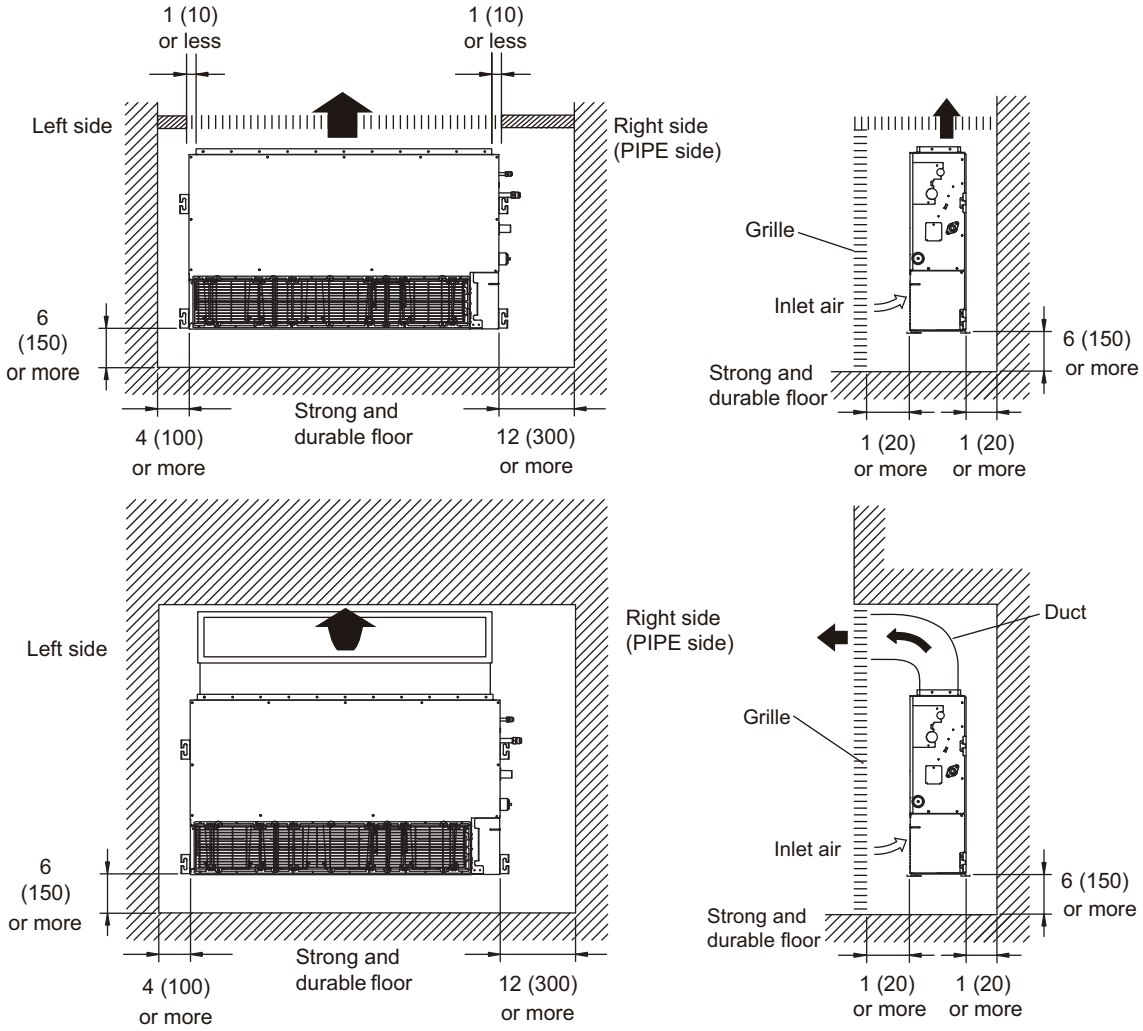
In ceiling-concealed installations:

Unit: in (mm)



In wall-concealed installations:

Unit: in (mm)

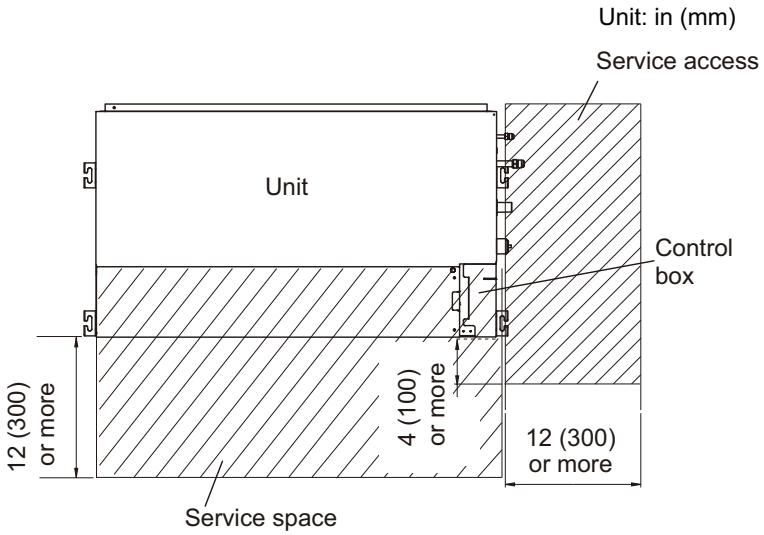


MULTI TYPE
2, 3, 4 ROOMS TYPE

■ Maintenance space requirement

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

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

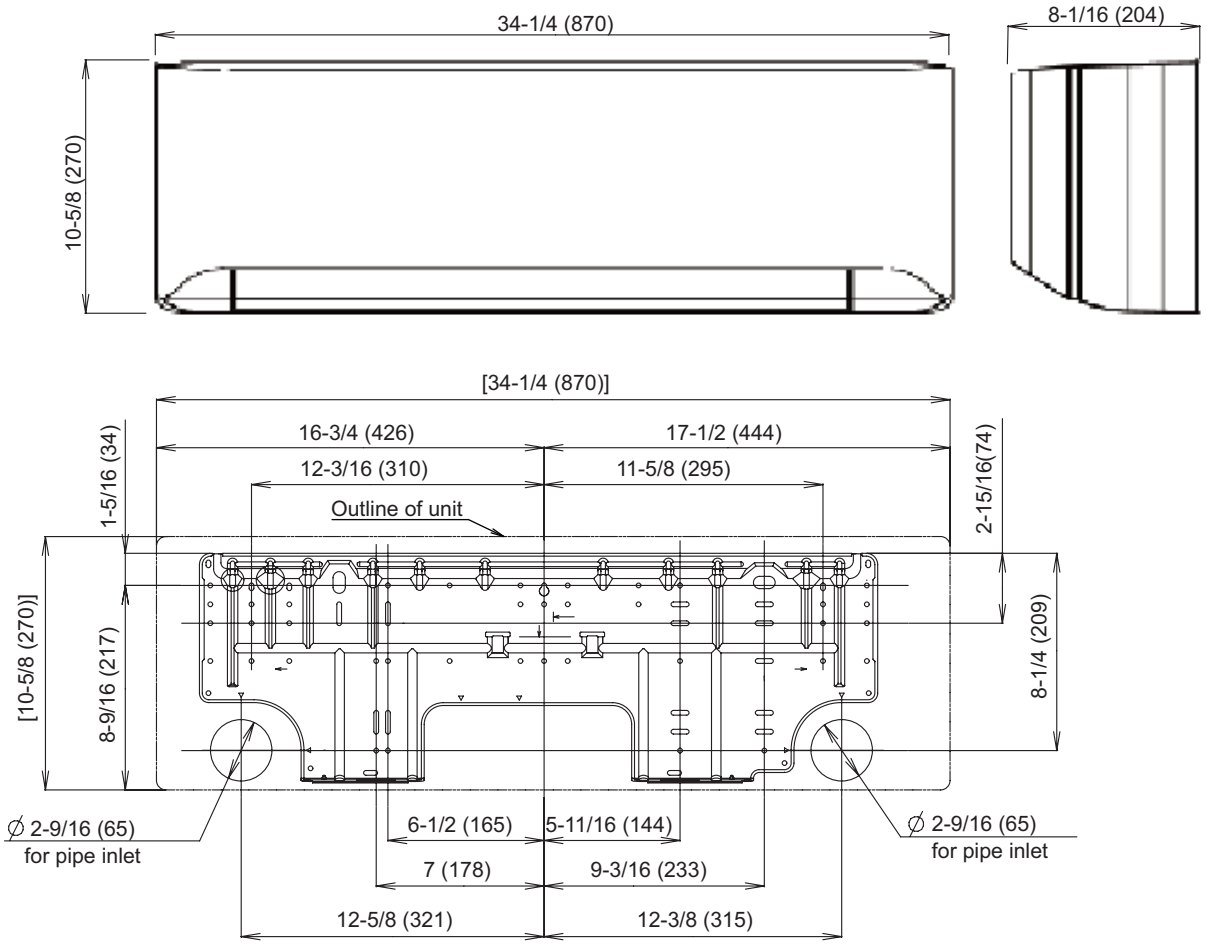


MULTI TYPE
2, 3, 4 ROOMS TYPE

3-3. Wall mounted type

■ Models: UlWH07AVFJ, UlWH09AVFJ, UlWH12AVFJ, and Ul-WH15AVFJ

Unit: in (mm)



MULTI TYPE
2, 3, 4 ROOMS TYPE

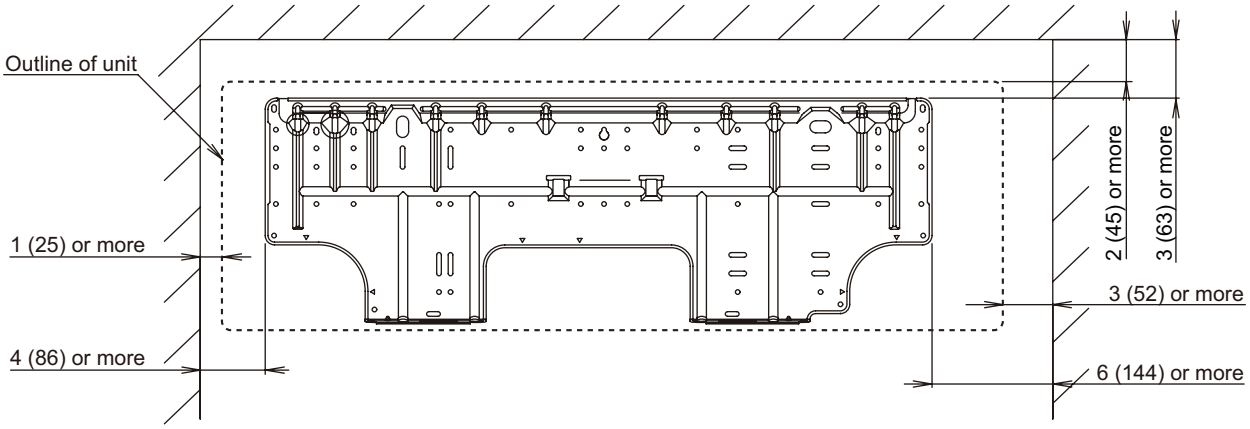
● Installation space requirement

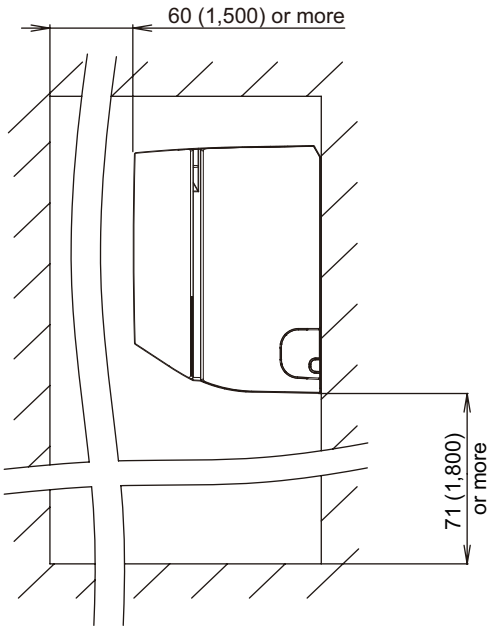
Provide sufficient installation space for product safety.

⚠ CAUTION

Do not place any other electrical products or household belongings under the product. Condensation dripping from the product might get them wet, and may cause damage or malfunction to the property.

Unit: in (mm)

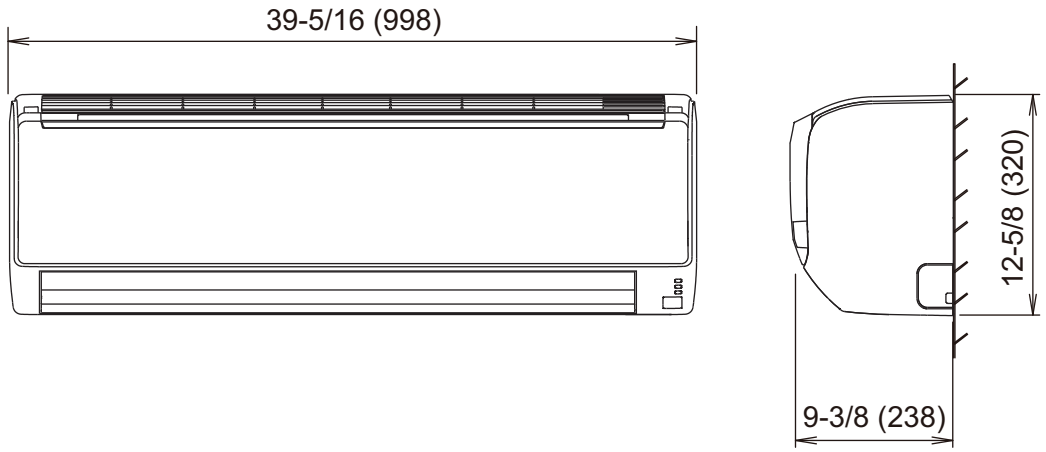


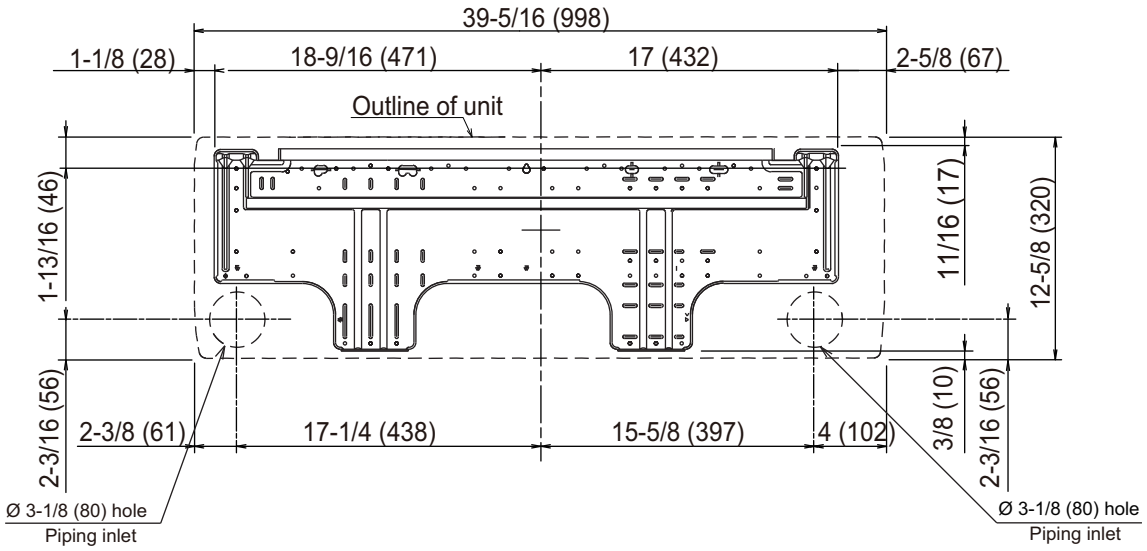


MULTI TYPE
2, 3, 4 ROOMS TYPE

■ Models: UlWH18AVFJ and UlWH24AVFJ

Unit: in (mm)





MULTI TYPE
2, 3, 4 ROOMS TYPE

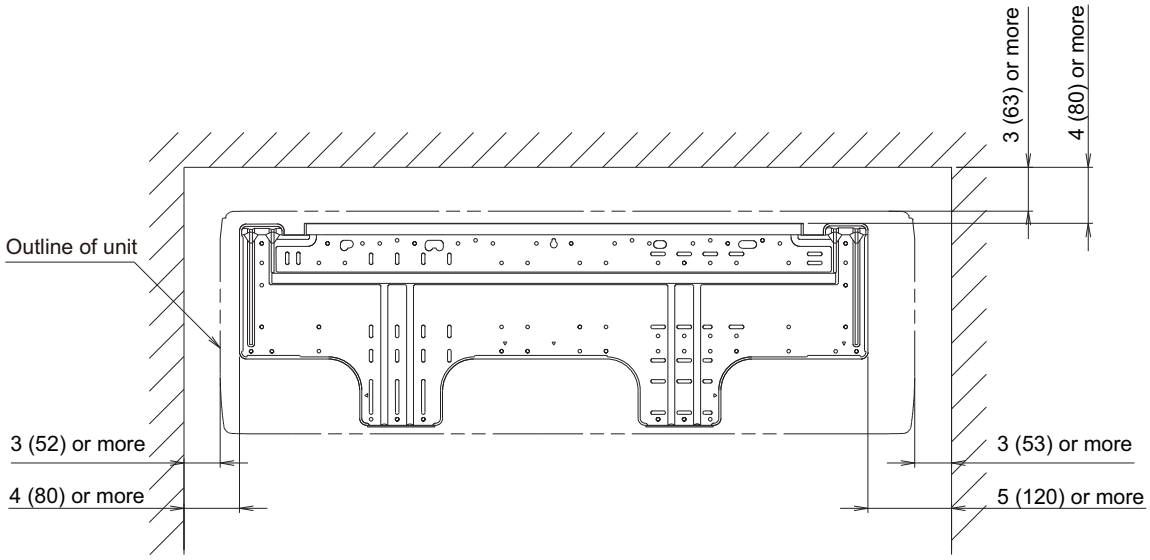
● Installation space requirement

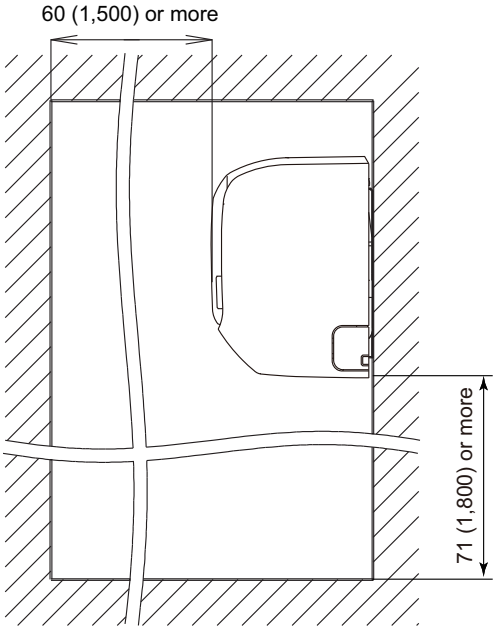
Provide sufficient installation space for product safety.

⚠ CAUTION

Do not place any other electrical products or household belongings under the product. Condensation dripping from the product might get them wet, and may cause damage or malfunction to the property.

Unit: in (mm)



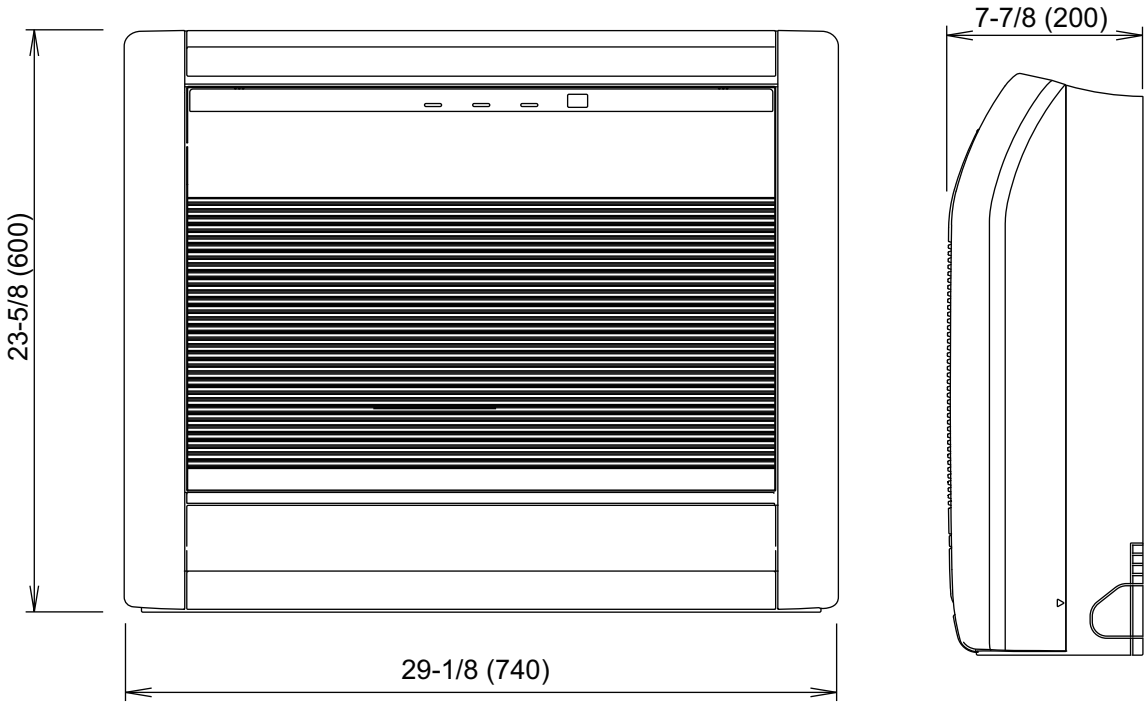


MULTI TYPE
2, 3, 4 ROOMS TYPE

3-4. Floor type

■ Models: RIFH09AVFJ, RIFH12AVFJ, and RIFH15AVFJ

Unit: in (mm)

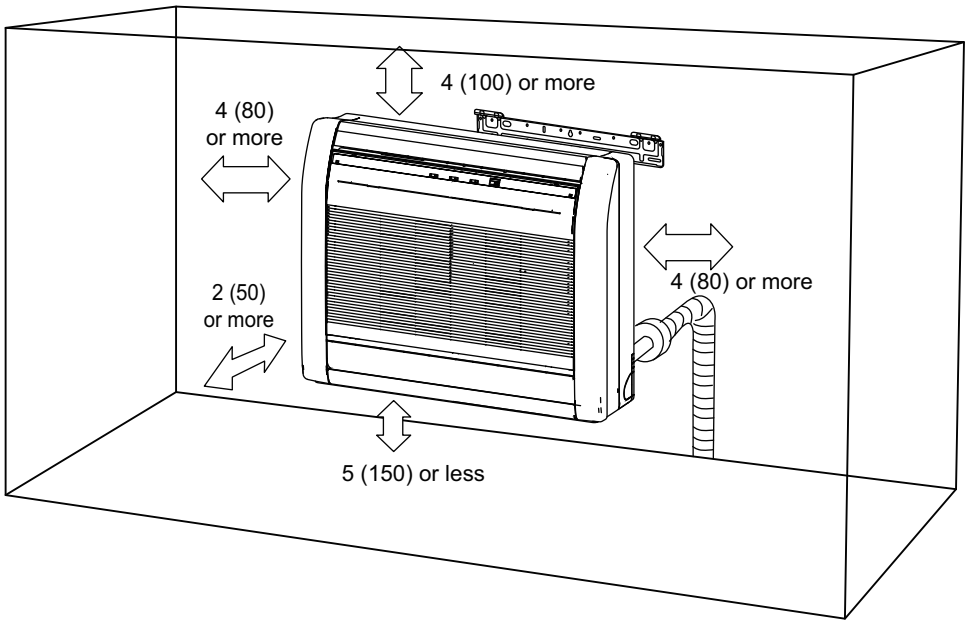


Front view

Side view

■ Installation space

Unit: in (mm)

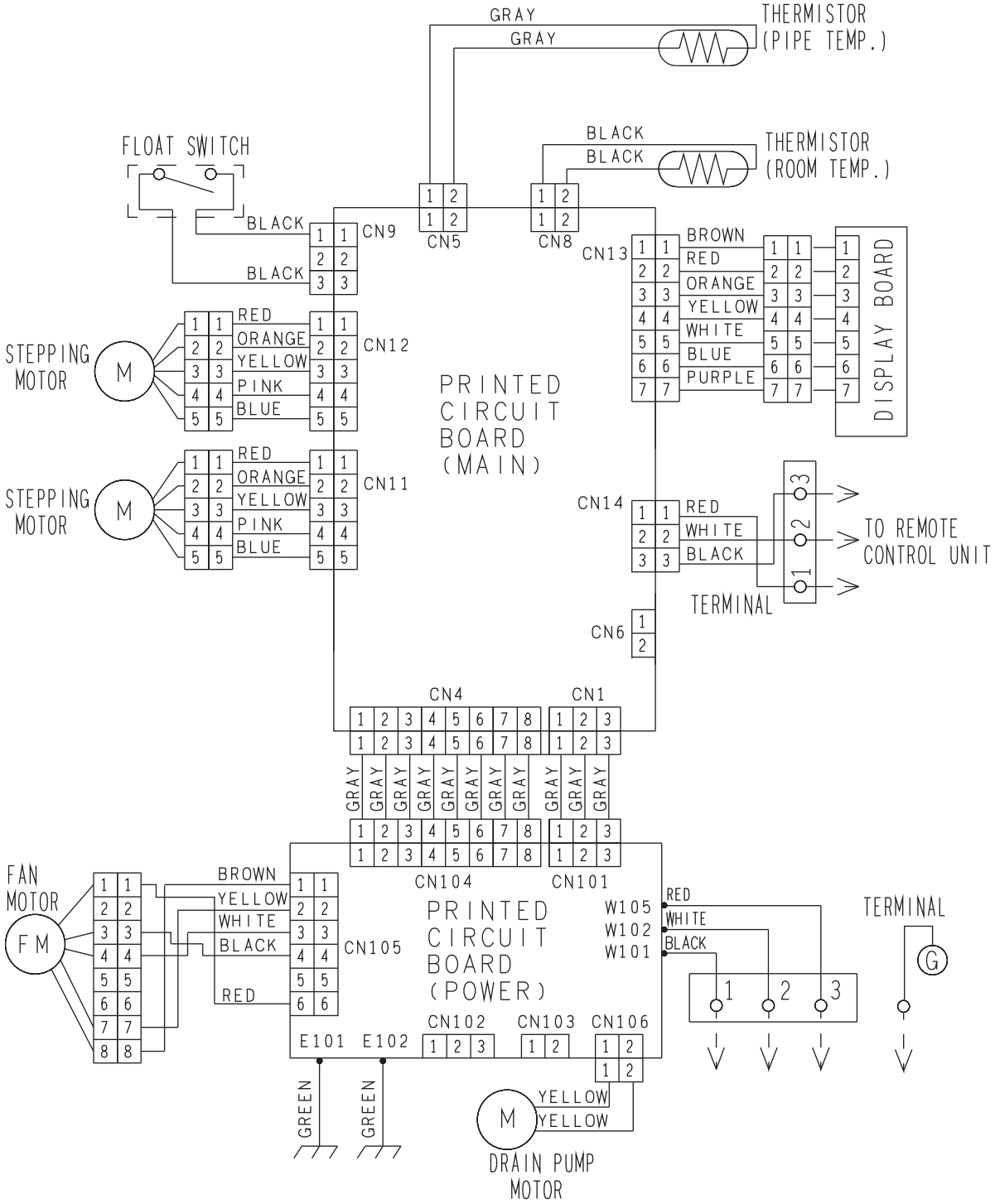


MULTI TYPE
2, 3, 4 ROOMS TYPE

4. Wiring diagrams

4-1. Compact cassette type

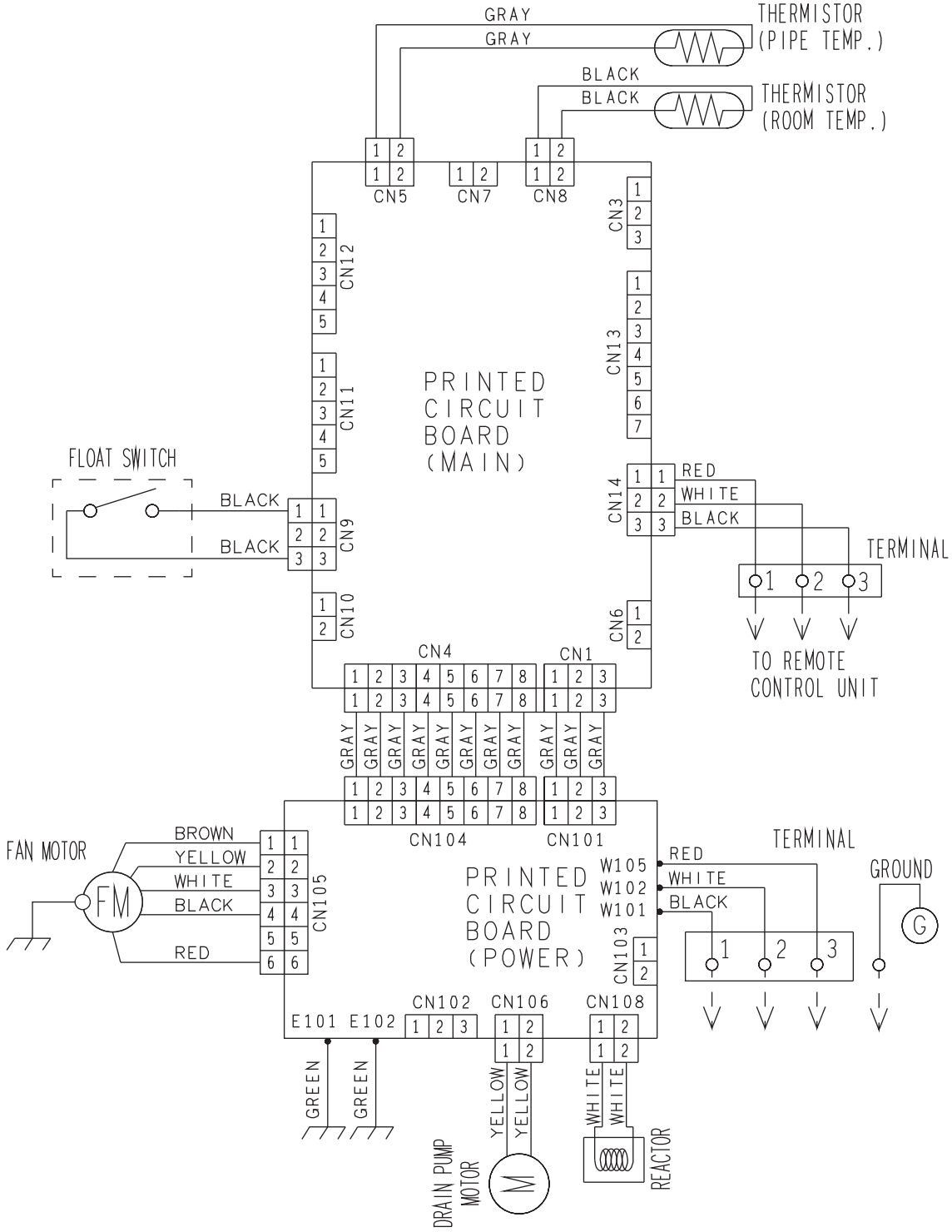
■ Models: RICH07AVFJ, RICH09AVFJ, RICH12AVFJ, and RICH18AVFJ



MULTI TYPE
2, 3, 4 ROOMS TYPE

4-2. Slim duct type

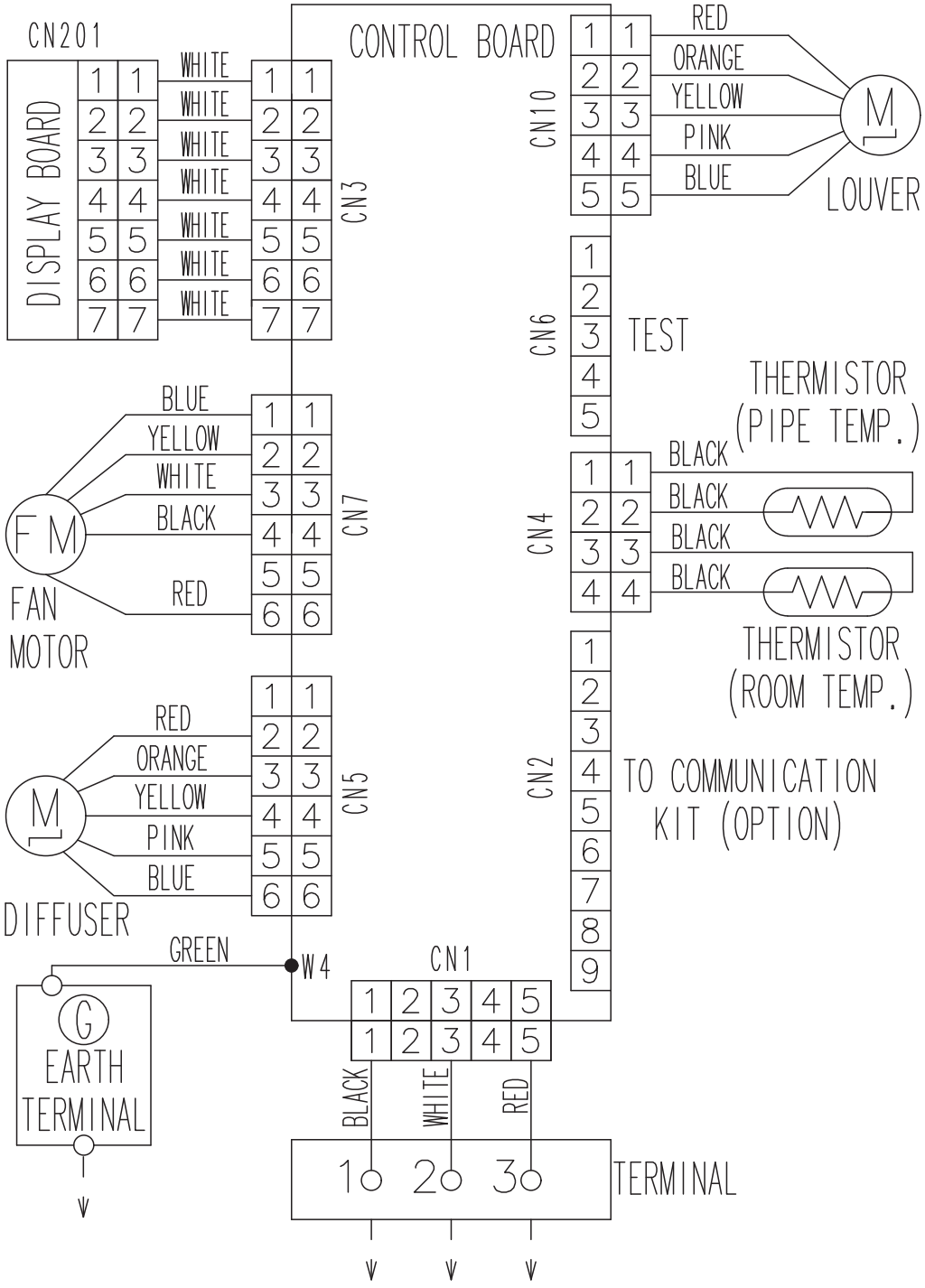
■ Models: RIDH07AVFJ, RIDH09AVFJ, RIDH12AVFJ, RIDH18AVFJ, and RIDH24AVFJ



MULTI TYPE
2, 3, 4 ROOMS TYPE

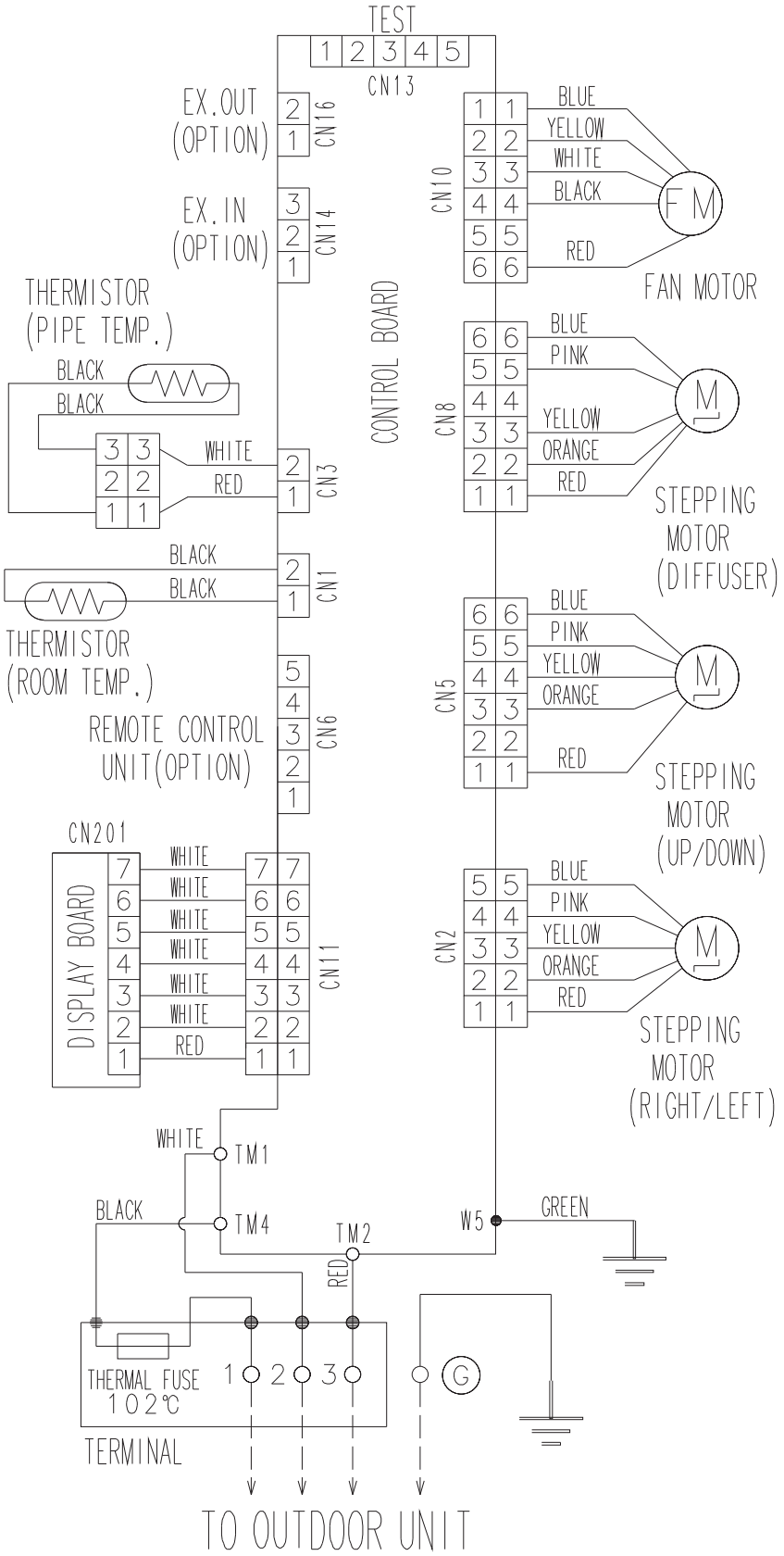
4-3. Wall mounted type

■ Models: UIWH07AVFJ, UIWH09AVFJ, UIWH12AVFJ, and UI-WH15AVFJ



MULTI TYPE
2, 3, 4 ROOMS TYPE

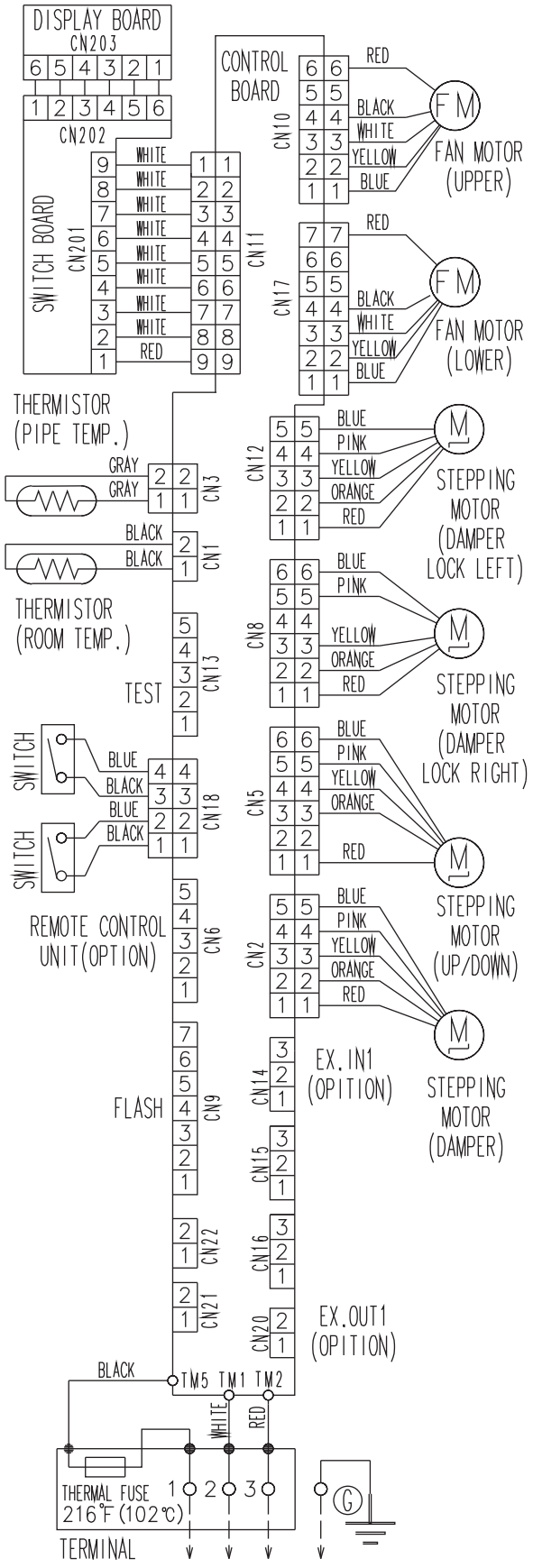
■ Models: UlWH18AVFJ and UlWH24AVFJ



MULTI TYPE
2, 3, 4 ROOMS TYPE

4-4. Floor type

■ Models: RIFH09AVFJ, RIFH12AVFJ, and RIFH15AVFJ



MULTI TYPE
2, 3, 4 ROOMS TYPE

5. Air velocity and temperature distributions

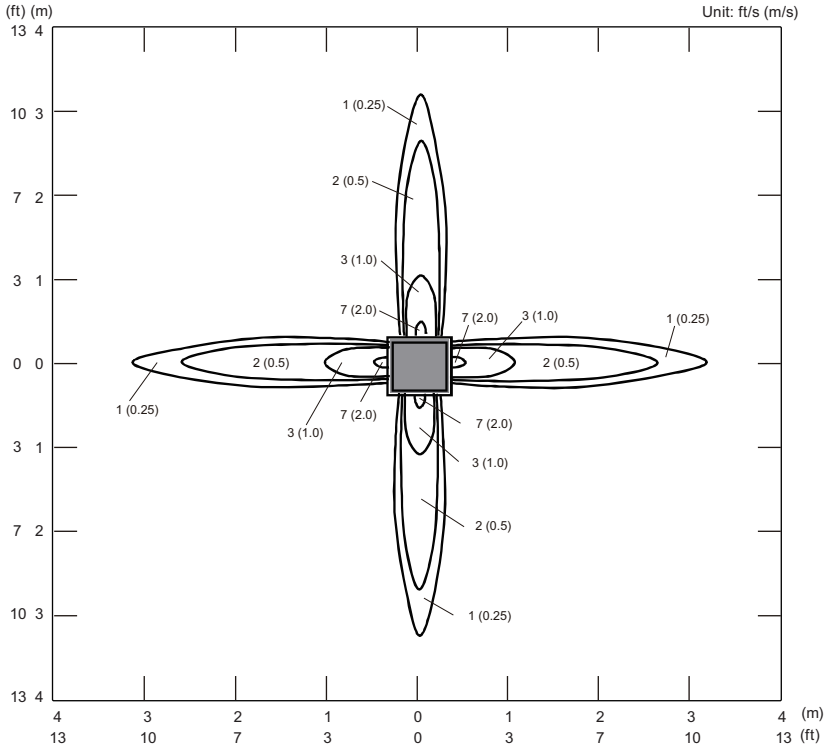
5-1. Compact cassette type

■ Models: RICH07AVFJ and RICH09AVFJ

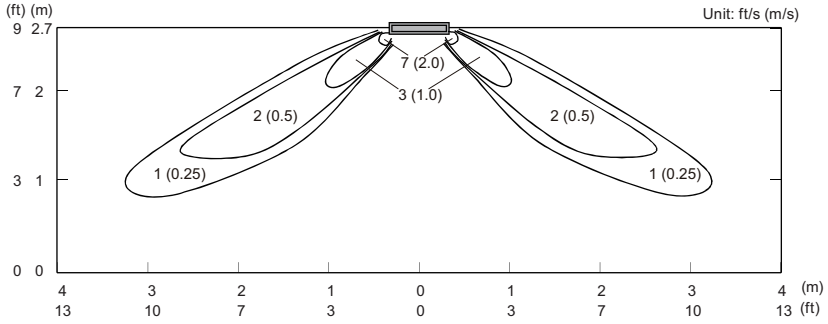
- Air velocity distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

Top view
Vertical airflow direction louver: Up



Side view
Vertical airflow direction louver: Up

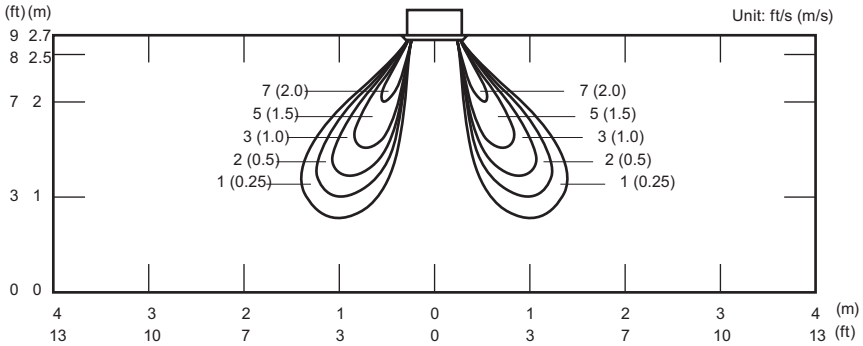


MULTI TYPE
2, 3, 4 ROOMS TYPE

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

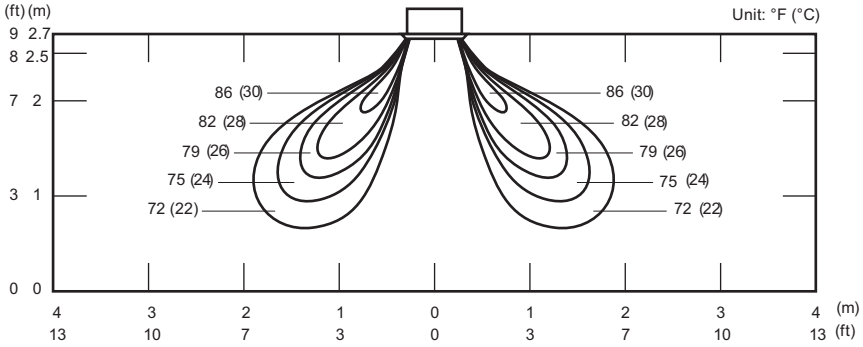
- Air velocity distribution

Side view
Vertical airflow direction louver: Down



- Air temperature distribution

Side view
Vertical airflow direction louver: Down



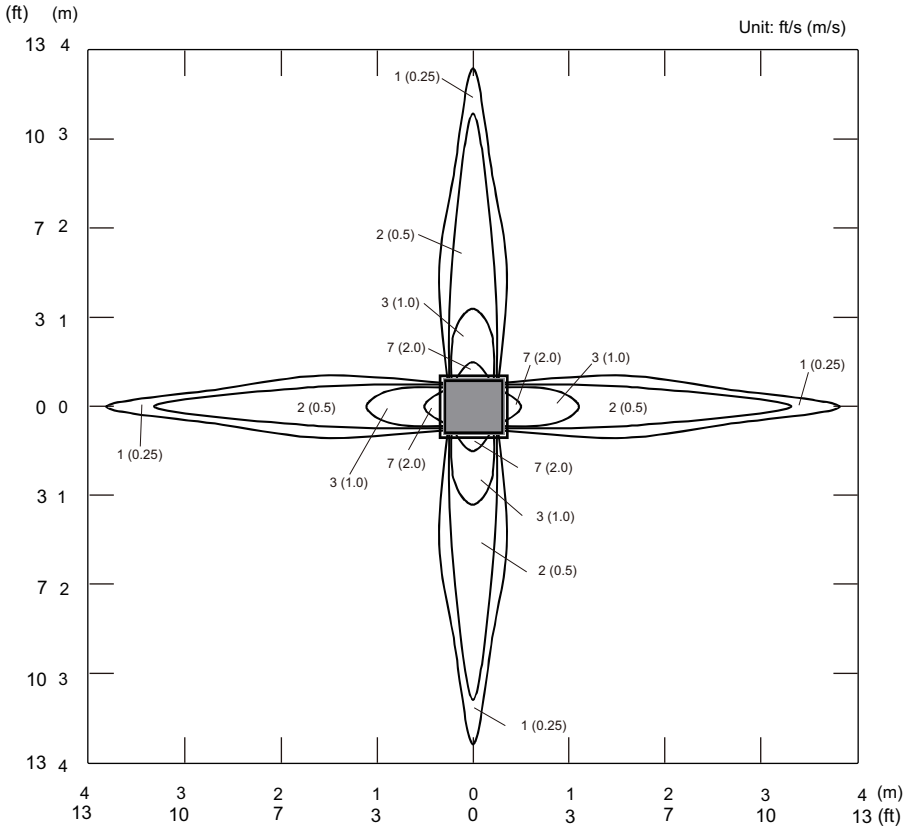
MULTI TYPE
2, 3, 4 ROOMS TYPE

■ Model: RICH12AVFJ

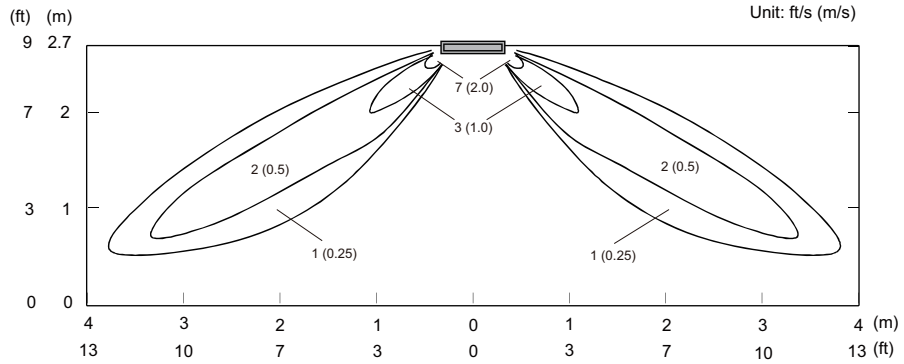
- Air velocity distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

Top view
Vertical airflow direction louver: Up



Side view
Vertical airflow direction louver: Up

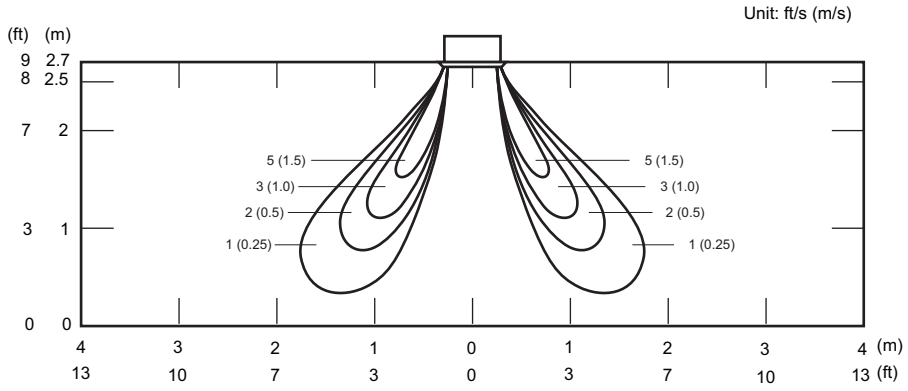


MULTI TYPE
2, 3, 4 ROOMS TYPE

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

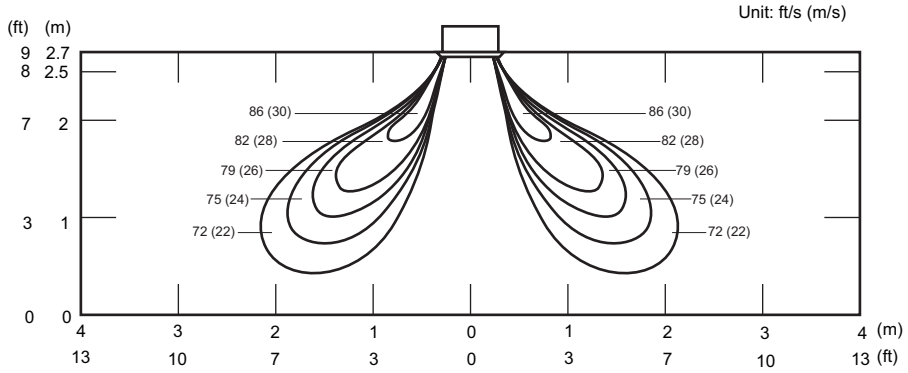
- Air velocity distribution

Side view
Vertical airflow direction louver: Down



- Air temperature distribution

Side view
Vertical airflow direction louver: Down



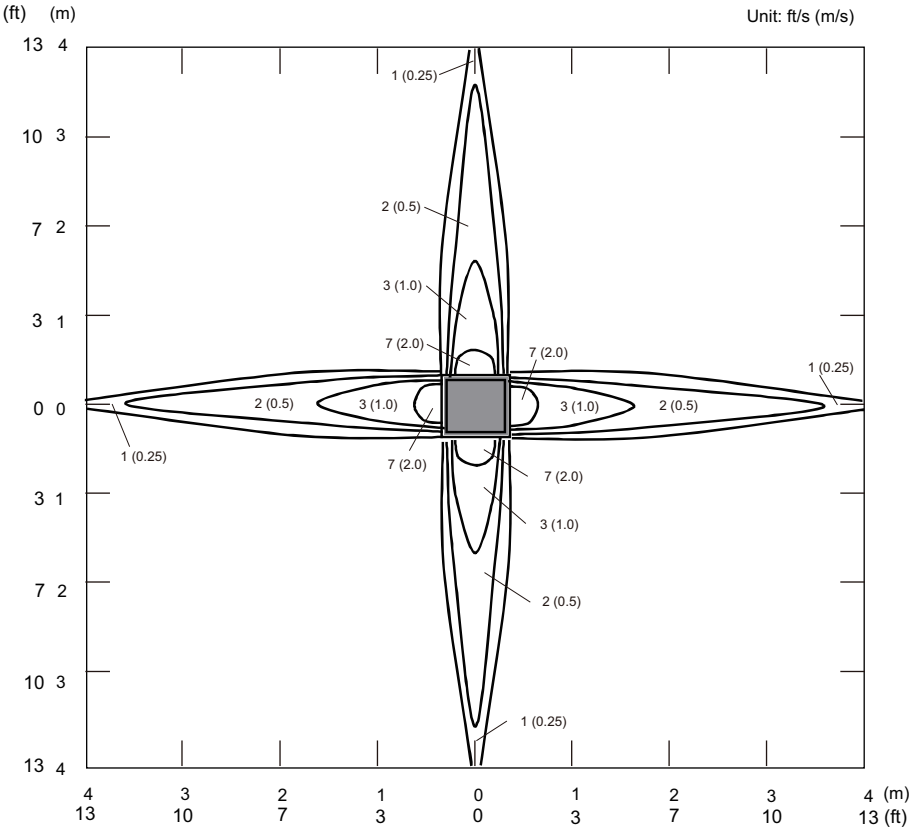
MULTI TYPE
2, 3, 4 ROOMS TYPE

■ Model: RICH18AVFJ

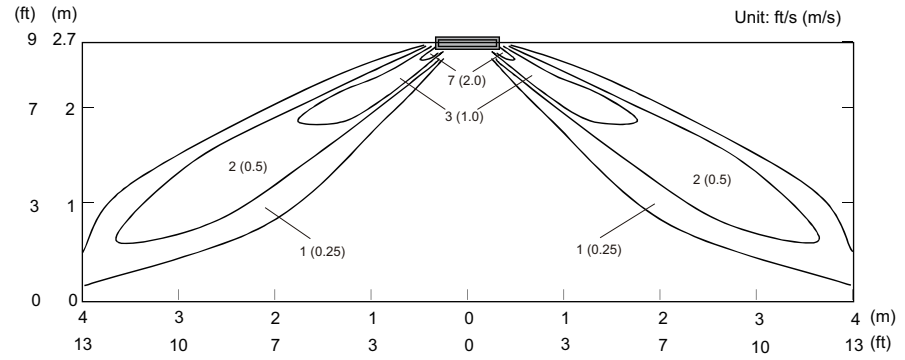
- Air velocity distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

Top view
Vertical airflow direction louver: Up



Side view
Vertical airflow direction louver: Up

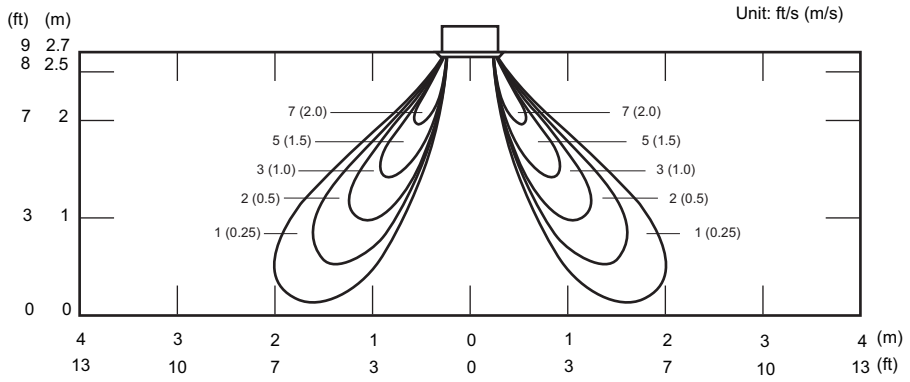


MULTI TYPE
2, 3, 4 ROOMS TYPE

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

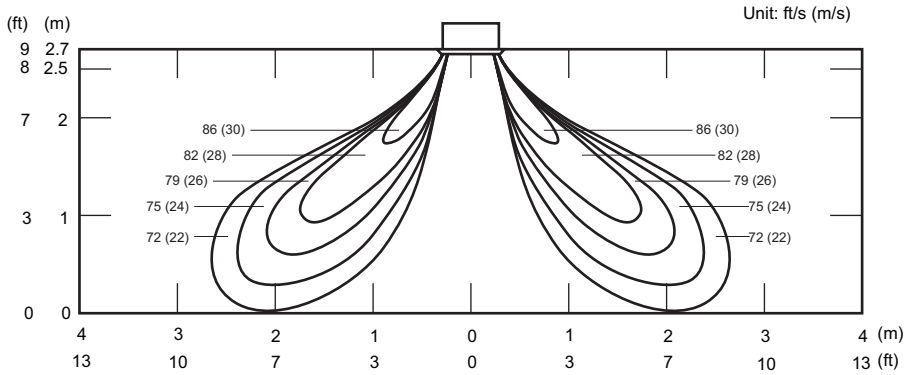
- Air velocity distribution

Side view
Vertical airflow direction louver: Down



- Air temperature distribution

Side view
Vertical airflow direction louver: Down



MULTI TYPE
2, 3, 4 ROOMS TYPE

5-2. Slim duct type

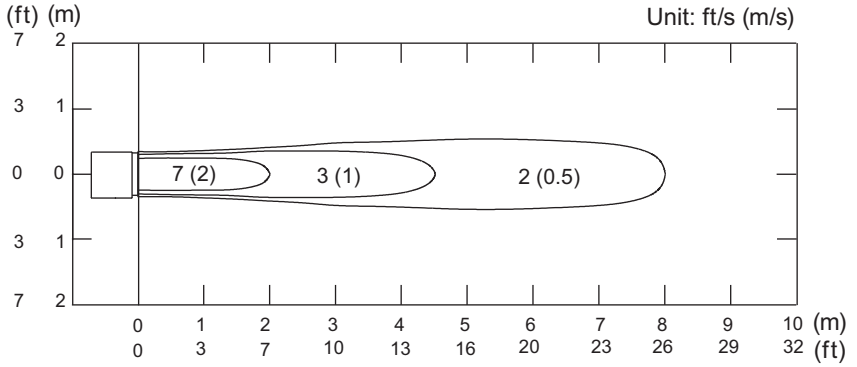
■ Model: RIDH07AVFJ

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

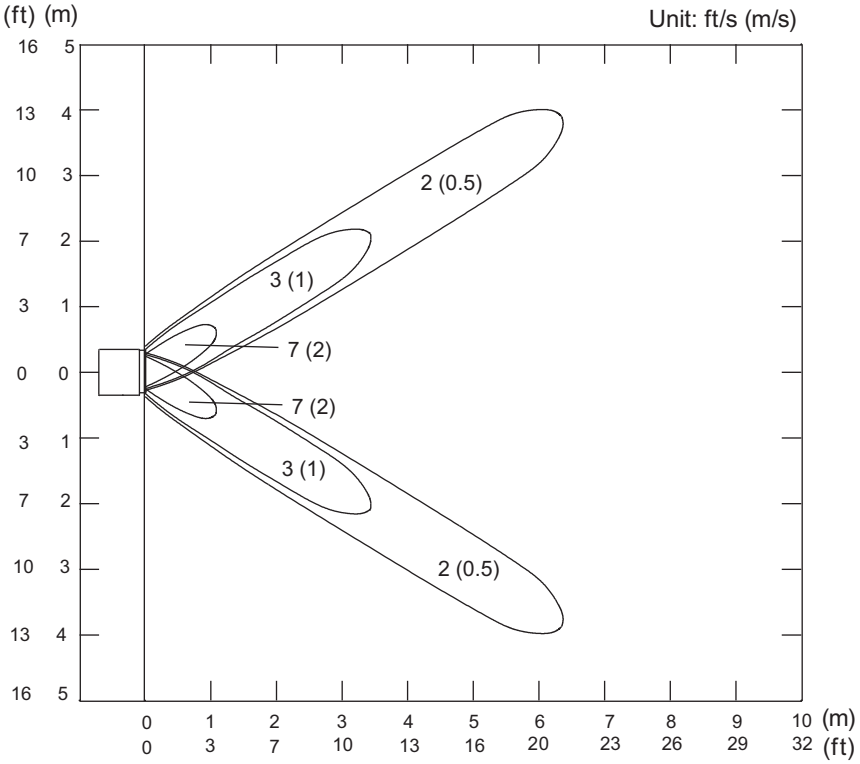
Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

- Air velocity distribution

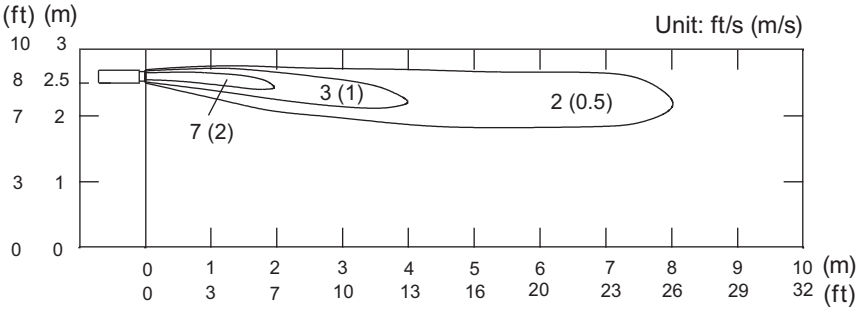
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Center



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



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

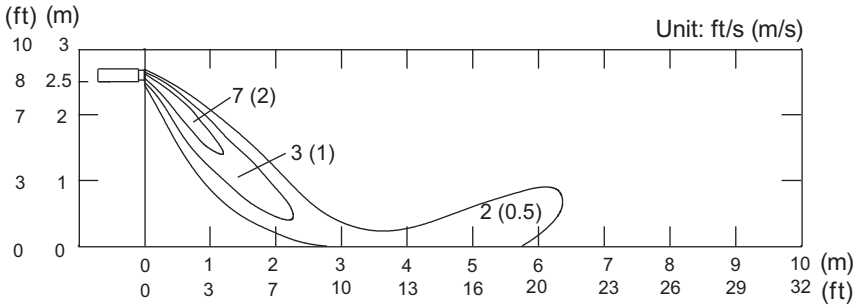


MULTI TYPE
2, 3, 4 ROOMS TYPE

Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT

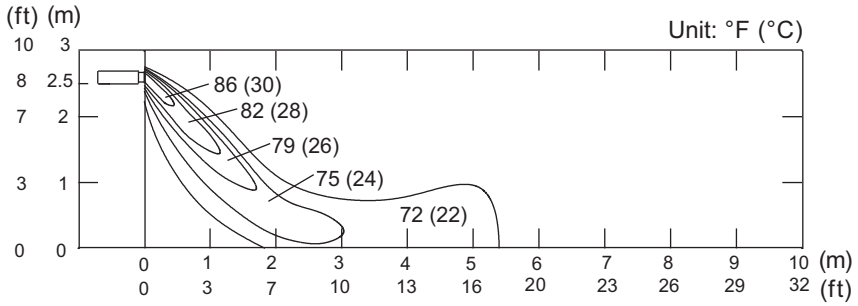
- Air velocity distribution

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



- Air temperature distribution

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



MULTI TYPE
2, 3, 4 ROOMS TYPE

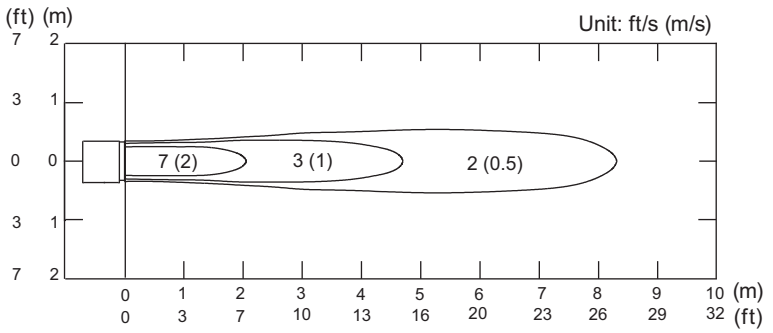
■ Model: RIDH09AVFJ

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

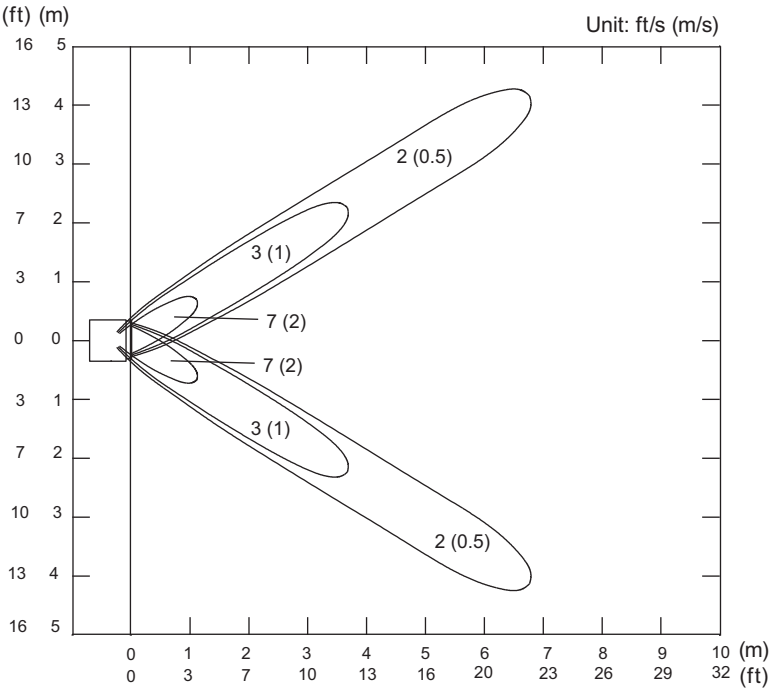
Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

- Air velocity distribution

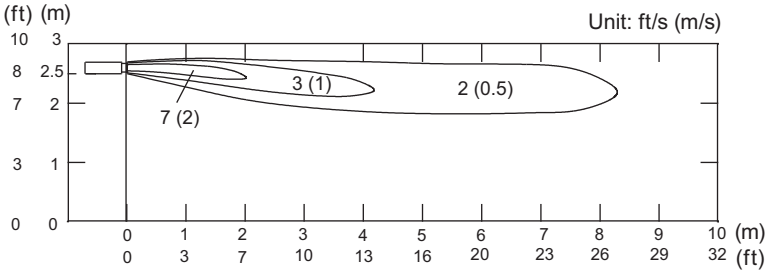
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Center



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



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

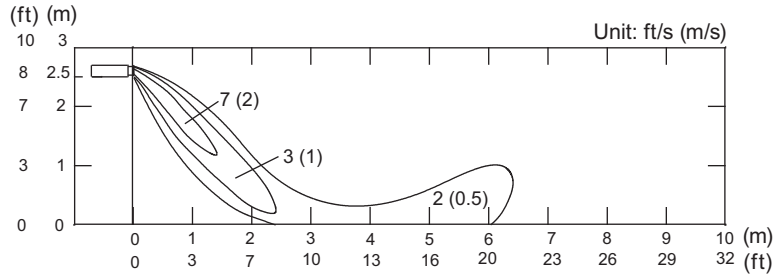


MULTI TYPE
2, 3, 4 ROOMS TYPE

Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT

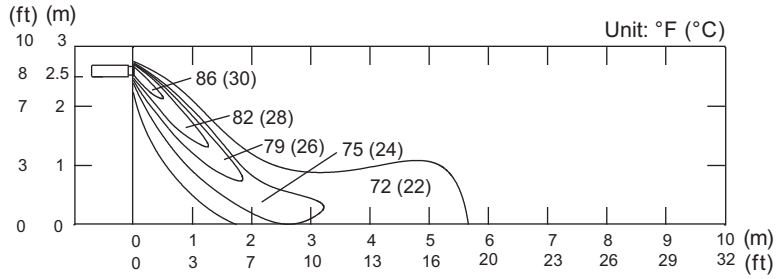
- Air velocity distribution

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



- Air temperature distribution

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



MULTI TYPE
2, 3, 4 ROOMS TYPE

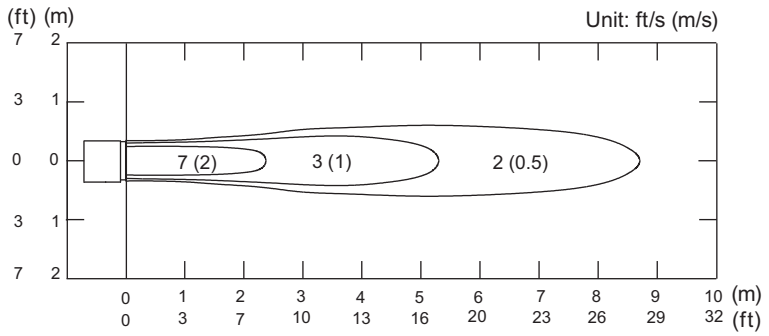
■ Model: RIDH12AVFJ

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

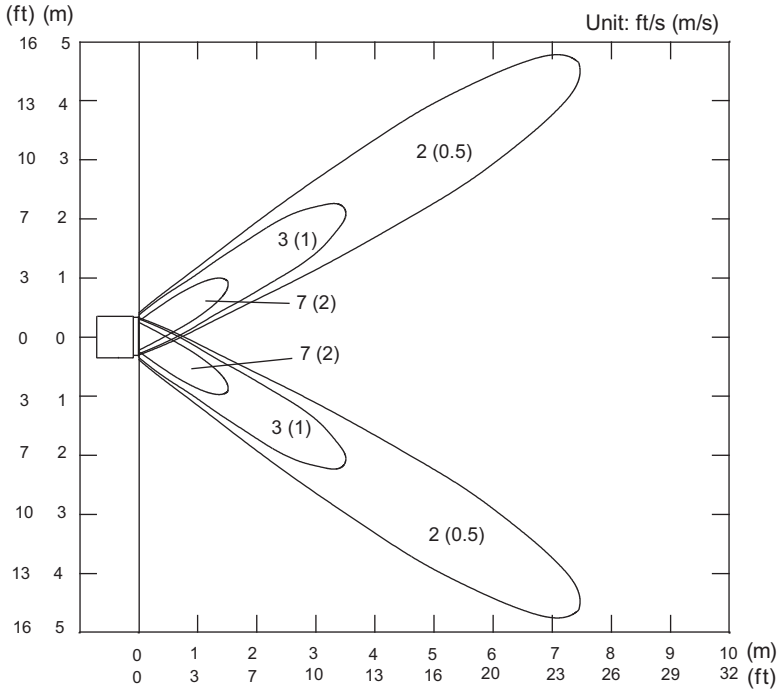
Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

- Air velocity distribution

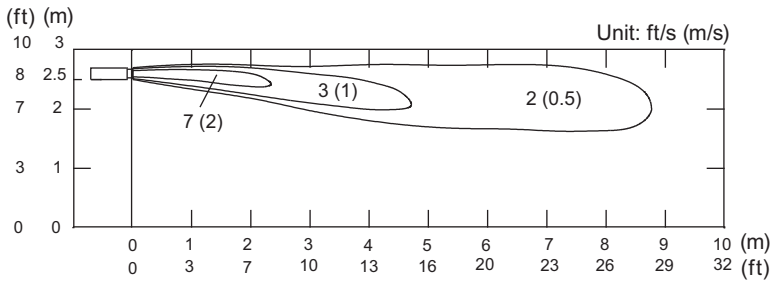
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Center



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



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

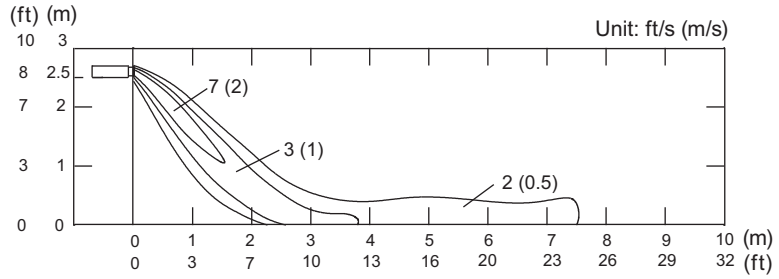


MULTI TYPE
2, 3, 4 ROOMS TYPE

Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT

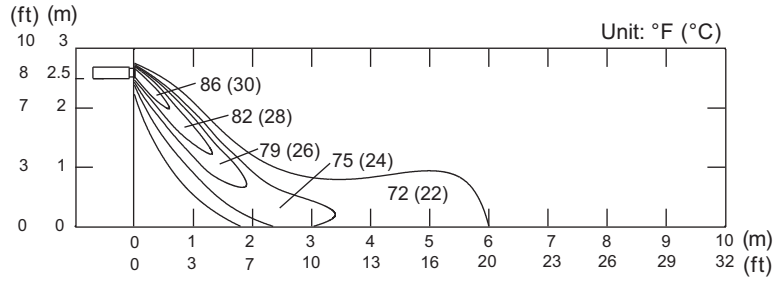
- Air velocity distribution

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



- Air temperature distribution

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



MULTI TYPE
2, 3, 4 ROOMS TYPE

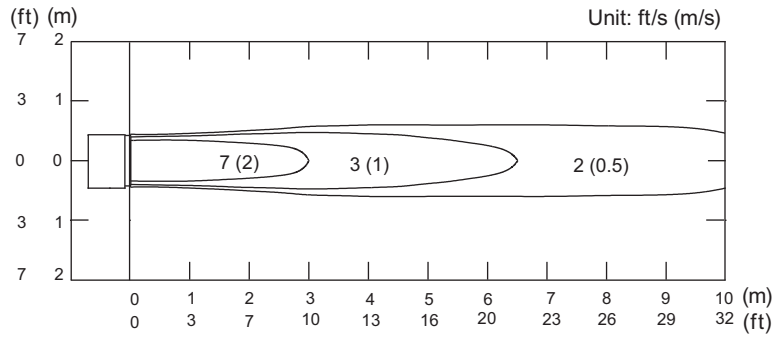
■ Model: RIDH18AVFJ

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

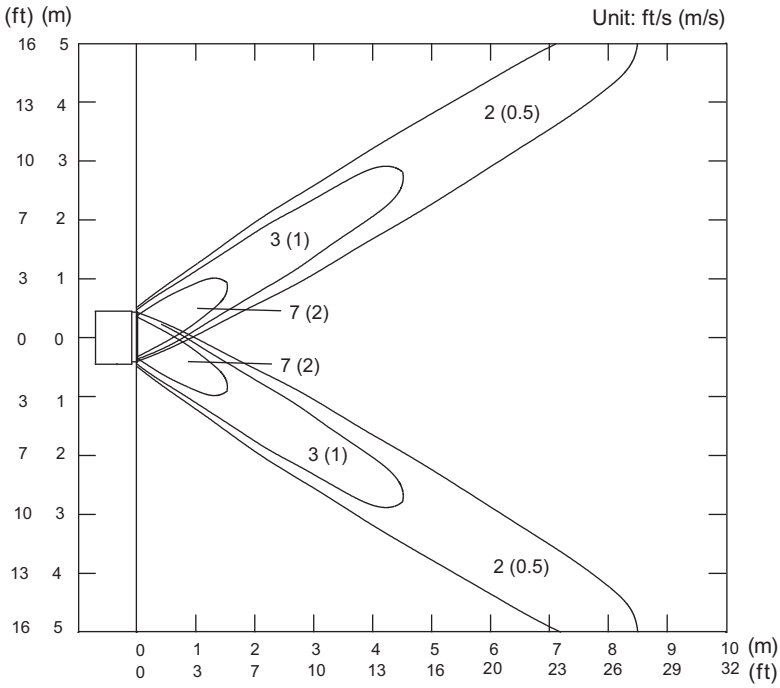
Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

- Air velocity distribution

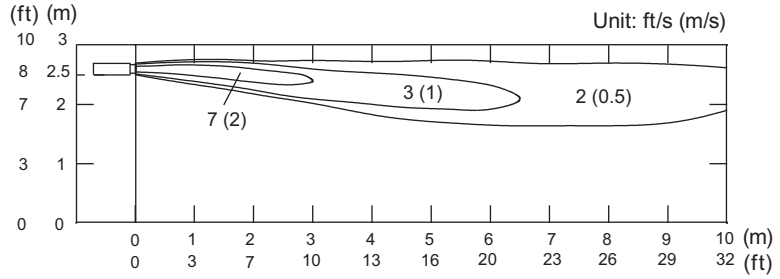
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Center



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



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

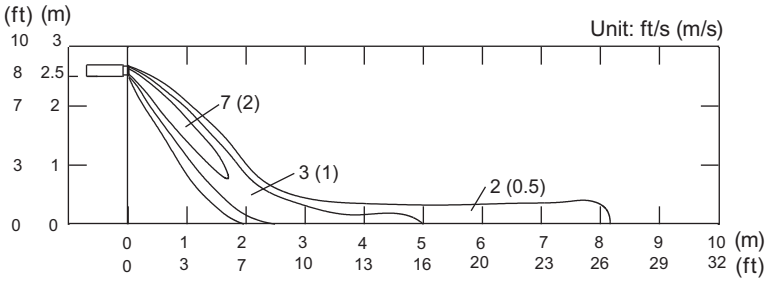


MULTI TYPE
2, 3, 4 ROOMS TYPE

Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT

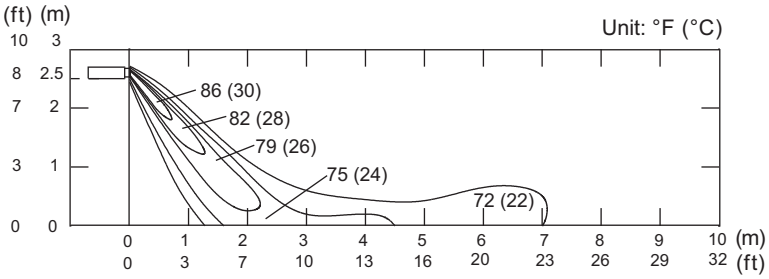
- Air velocity distribution

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



- Air temperature distribution

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



MULTI TYPE
2, 3, 4 ROOMS TYPE

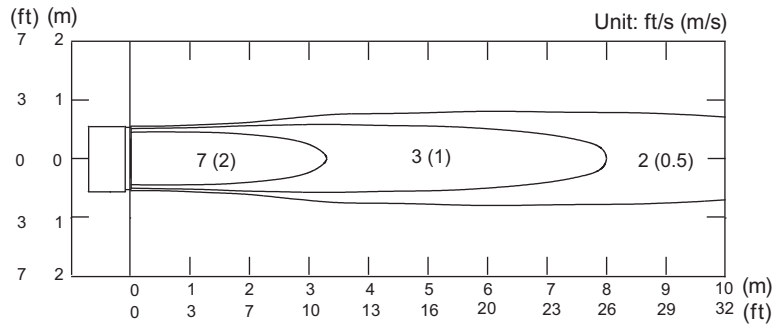
■ Model: RIDH24AVFJ

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

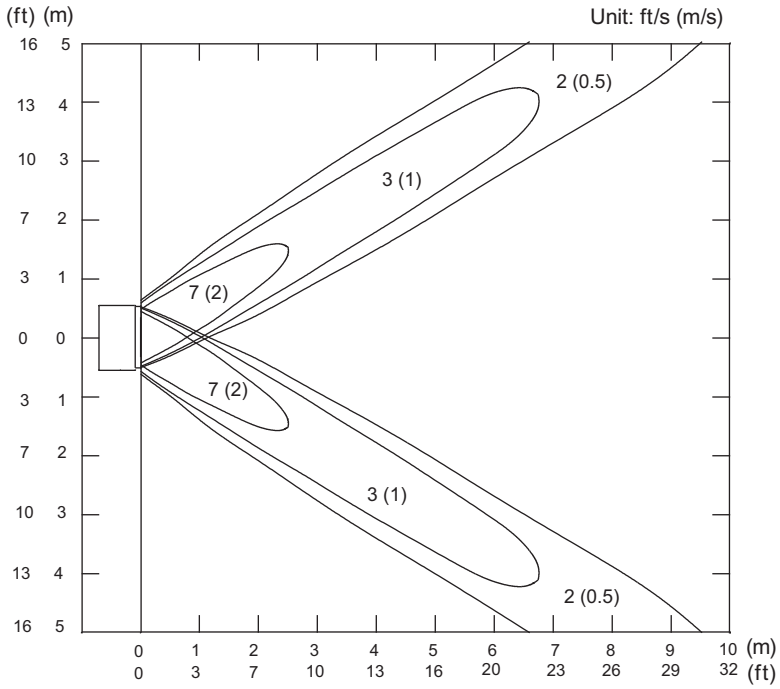
Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

- Air velocity distribution

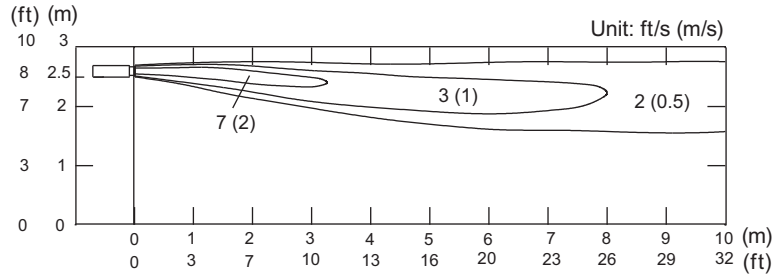
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Center



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



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

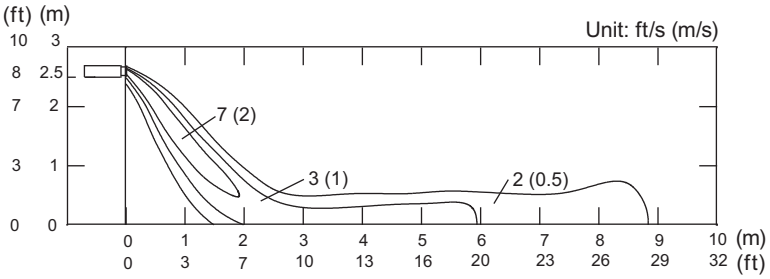


MULTI TYPE
2, 3, 4 ROOMS TYPE

Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT

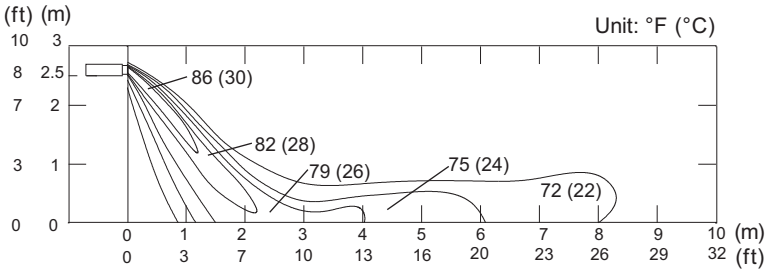
- Air velocity distribution

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



- Air temperature distribution

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



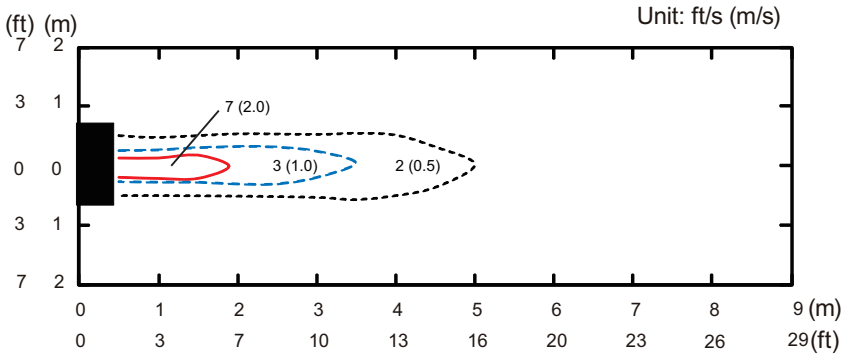
MULTI TYPE
2, 3, 4 ROOMS TYPE

5-3. Wall mounted type

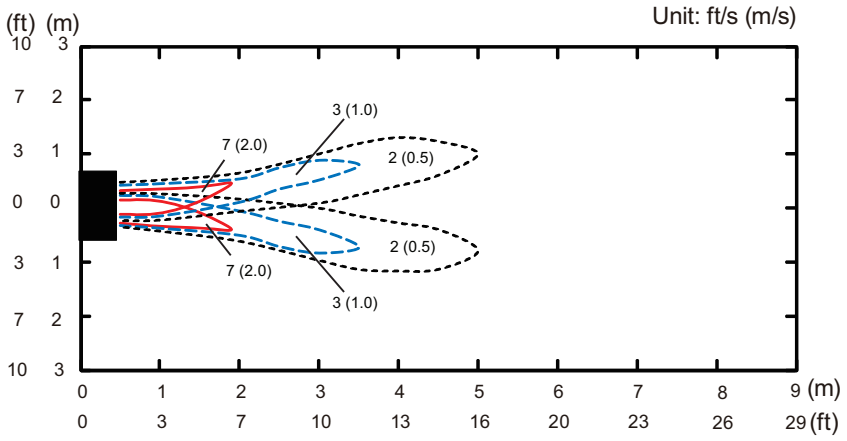
■ Model: UIWH07AVFJ

Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

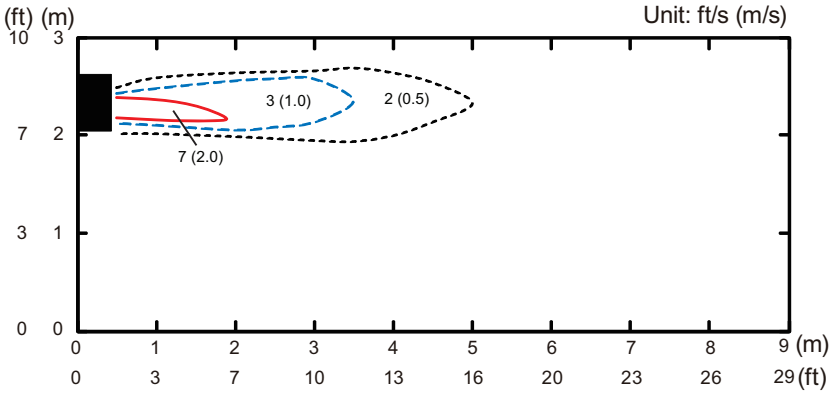
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Center



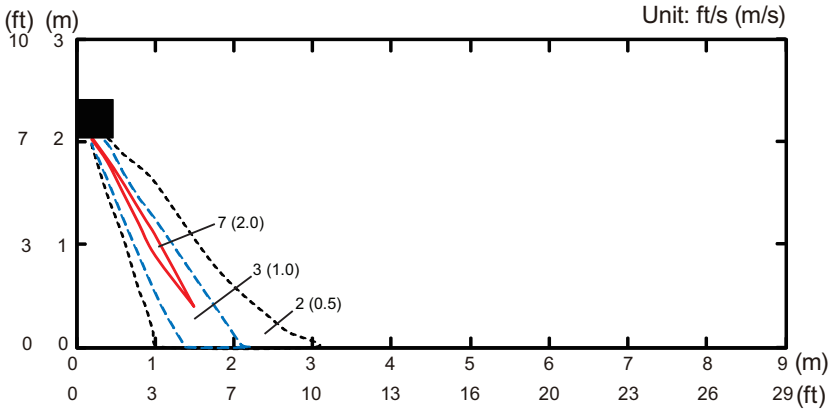
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Left & Right



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



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

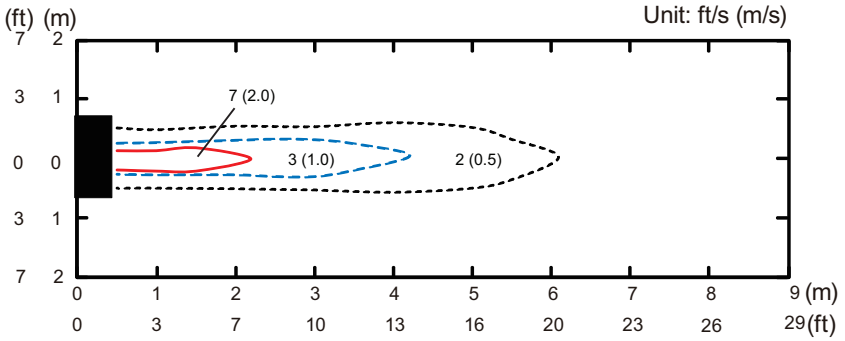


MULTI TYPE
2, 3, 4 ROOMS TYPE

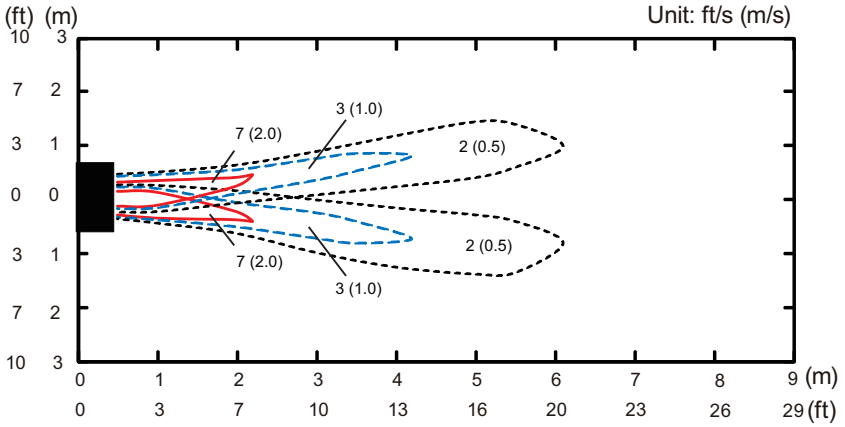
■ Model: UlWH09AVFJ

Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

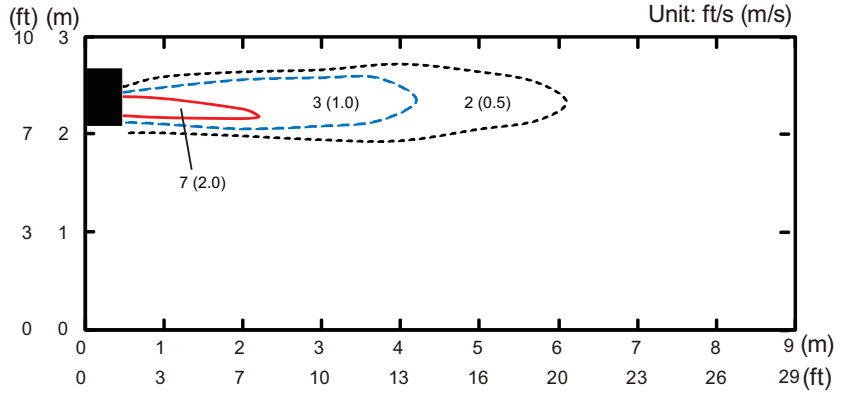
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Center



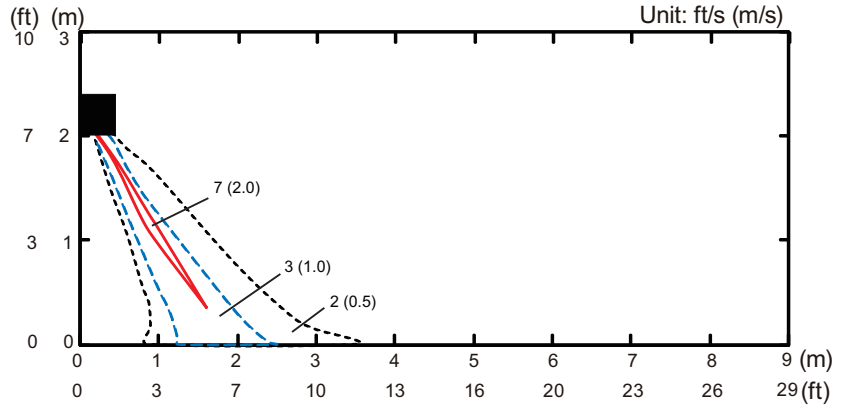
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Left & Right



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



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

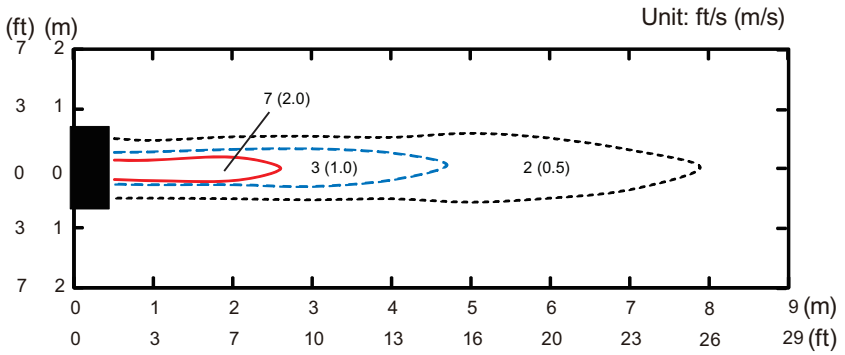


MULTI TYPE
2, 3, 4 ROOMS TYPE

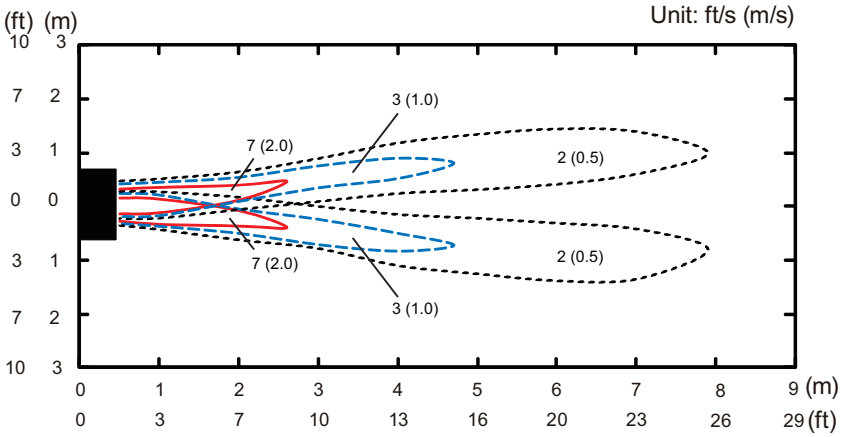
■ Model: UlWH12AVFJ

Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

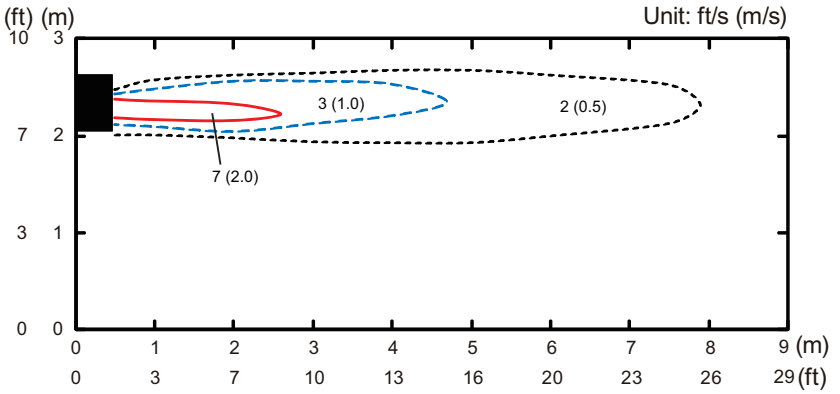
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Center



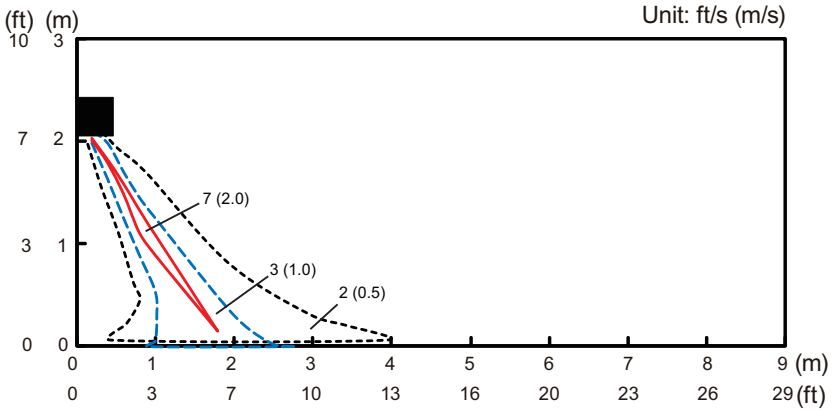
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Left & Right



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



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

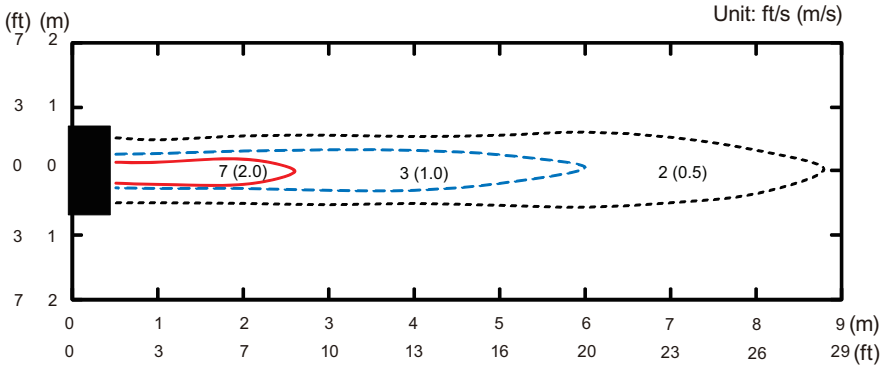


MULTI TYPE
2, 3, 4 ROOMS TYPE

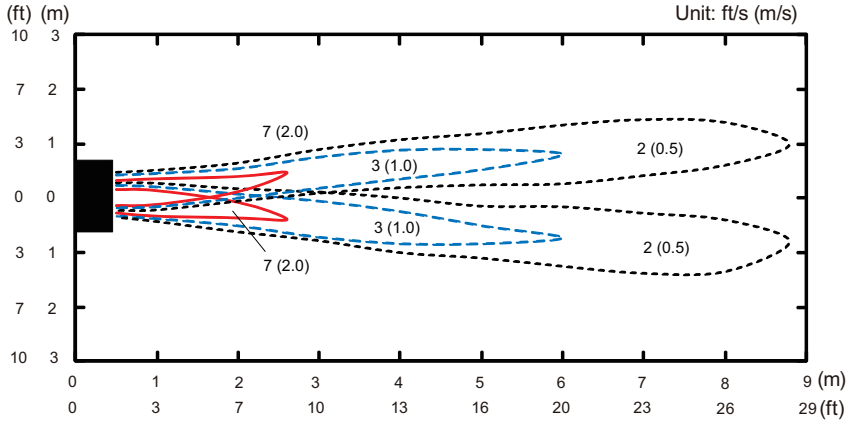
■ Model: UlWH15AVFJ

Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

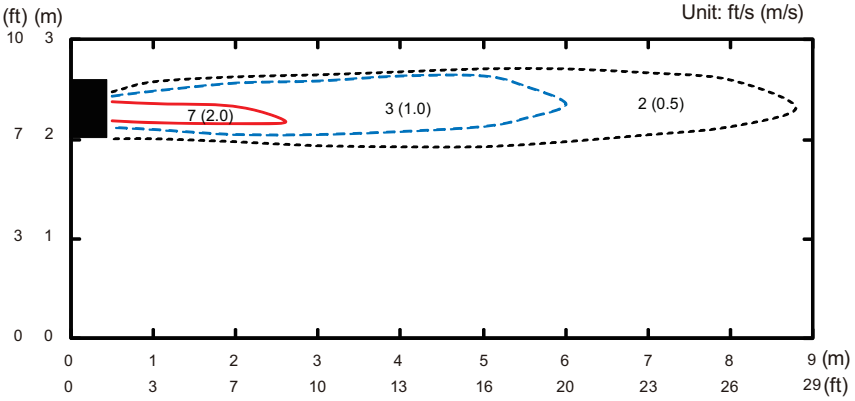
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Center



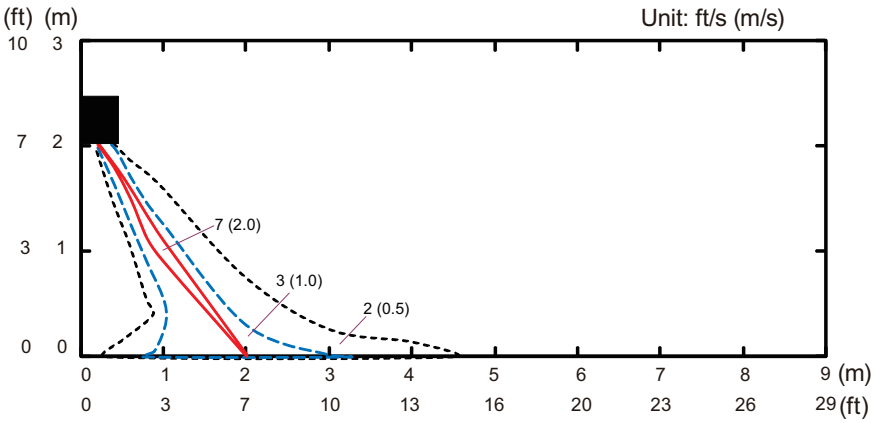
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Left & Right



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



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

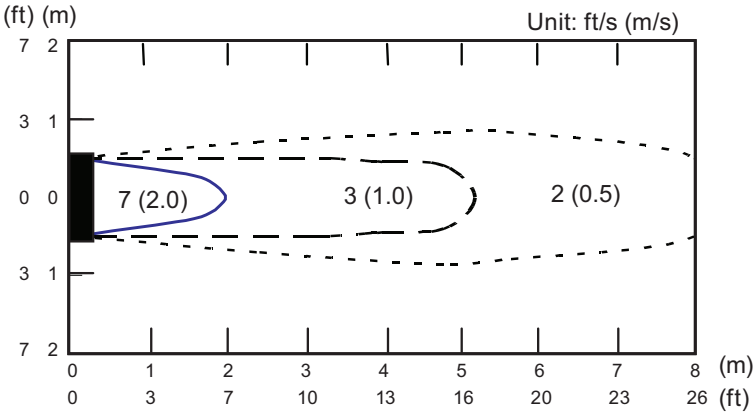


MULTI TYPE
2, 3, 4 ROOMS TYPE

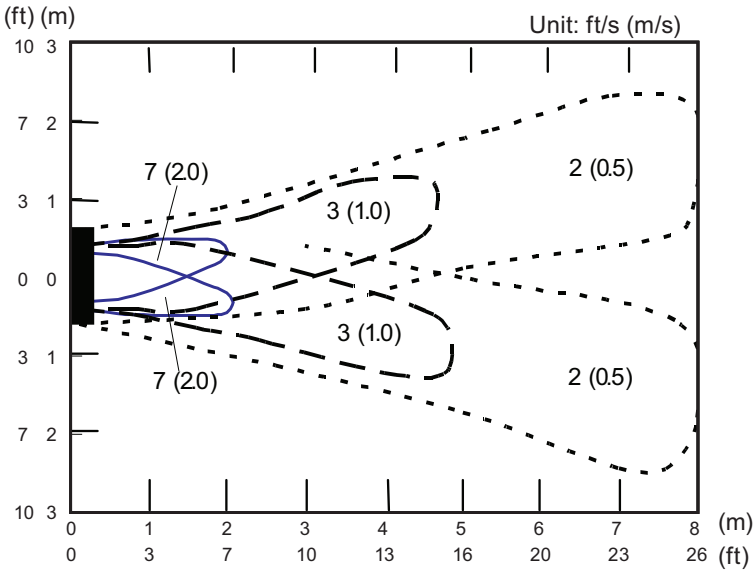
■ Model: UlWH18AVFJ

Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

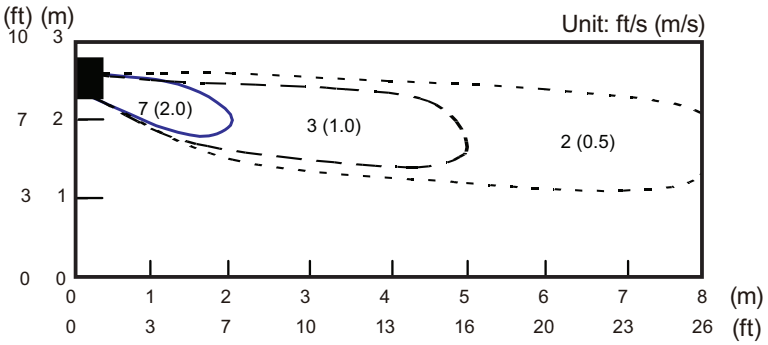
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Center



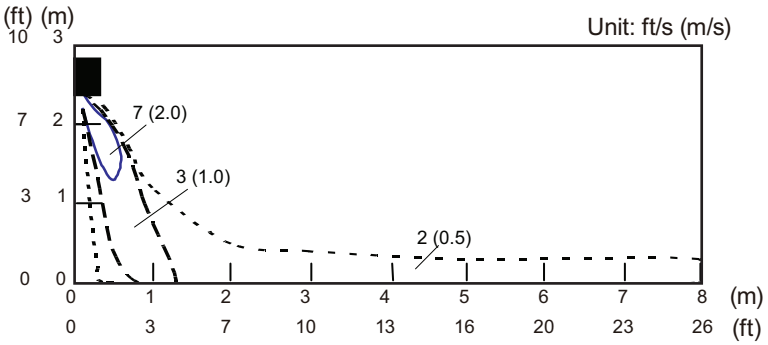
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Left & Right



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



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

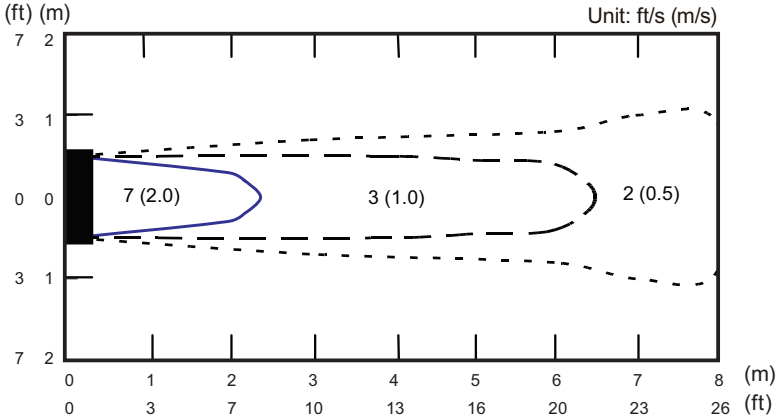


MULTI TYPE
2, 3, 4 ROOMS TYPE

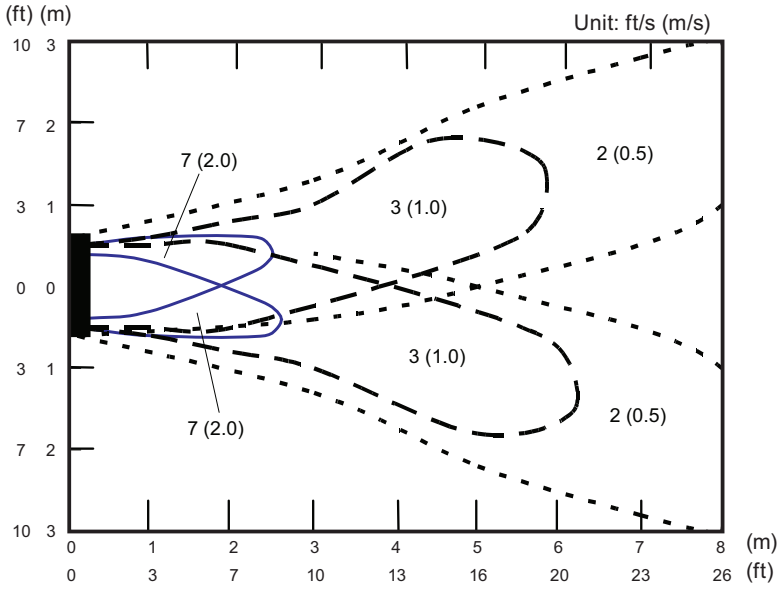
■ Model: UlWH24AVFJ

Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

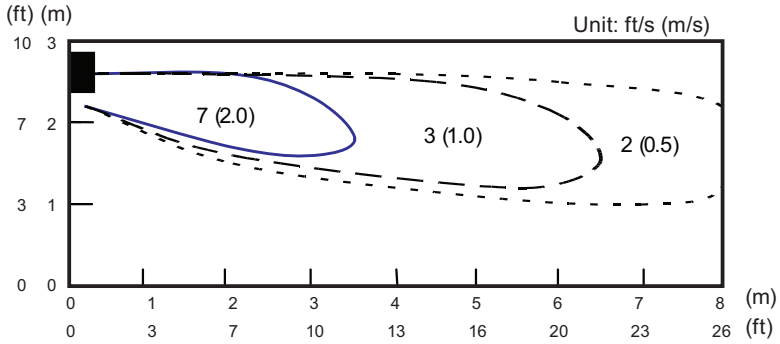
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Center



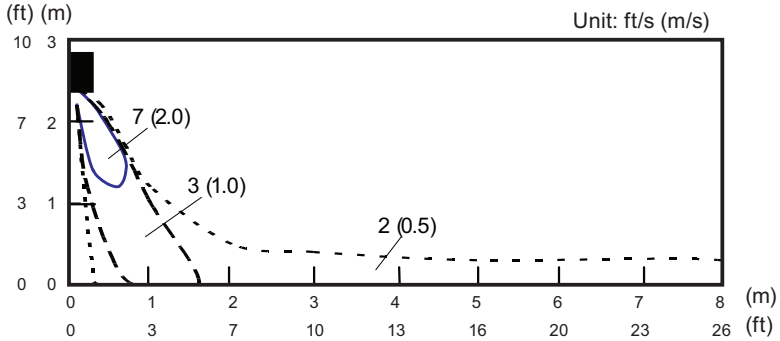
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Left & Right



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



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



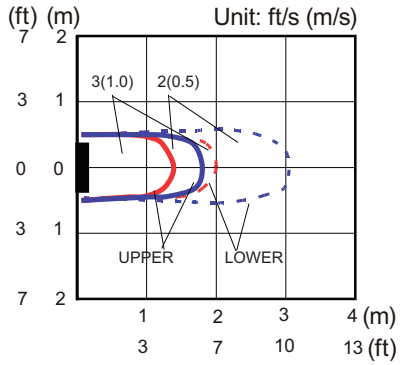
MULTI TYPE
2, 3, 4 ROOMS TYPE

5-4. Floor type

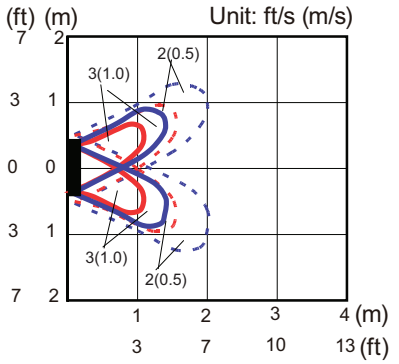
■ Models: RIFH09AVFJ, RIFH12AVFJ, and RIFH15AVFJ

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

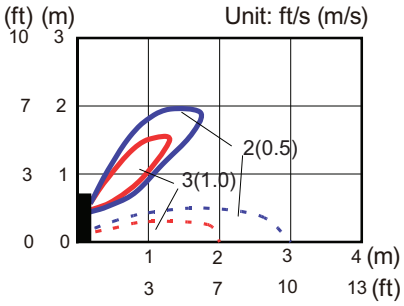
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Center



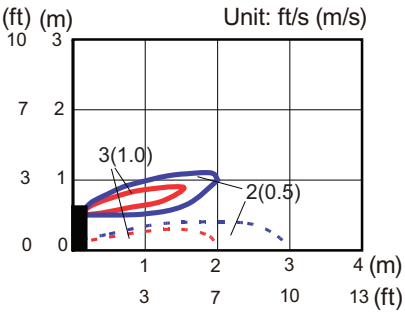
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Left & Right



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



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

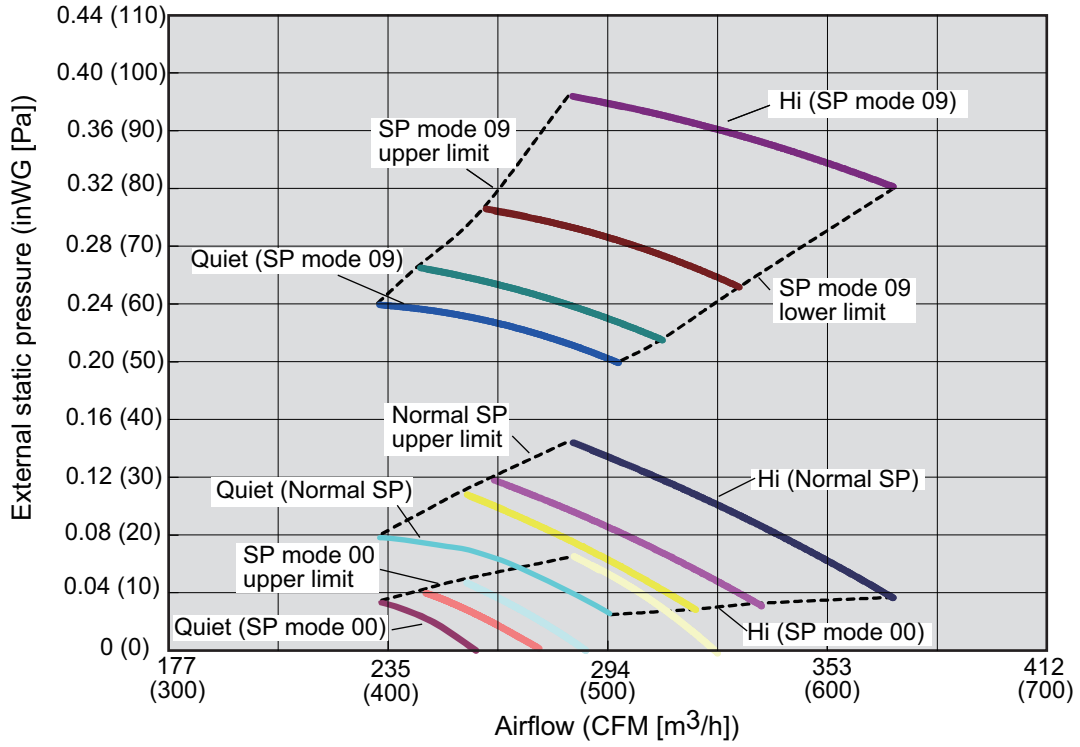


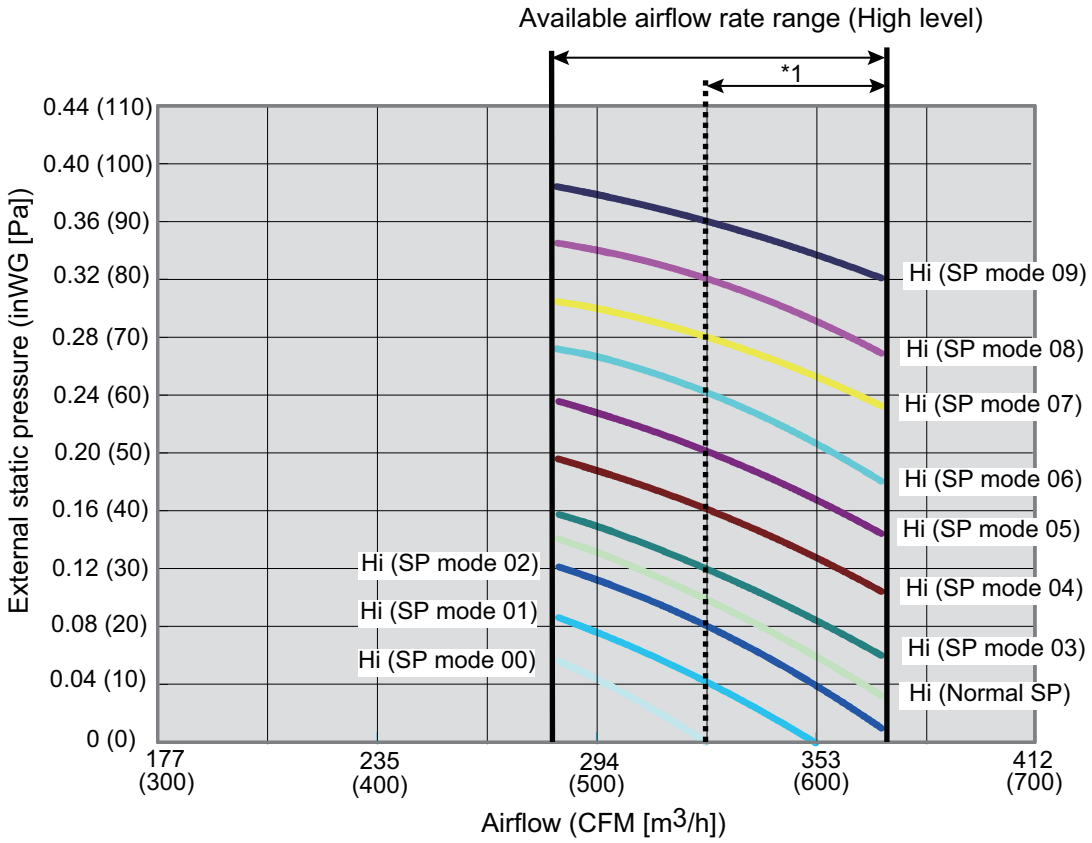
MULTI TYPE
2, 3, 4 ROOMS TYPE

6. Fan performance

6-1. Slim duct type

■ Model: RIDH07AVFJ



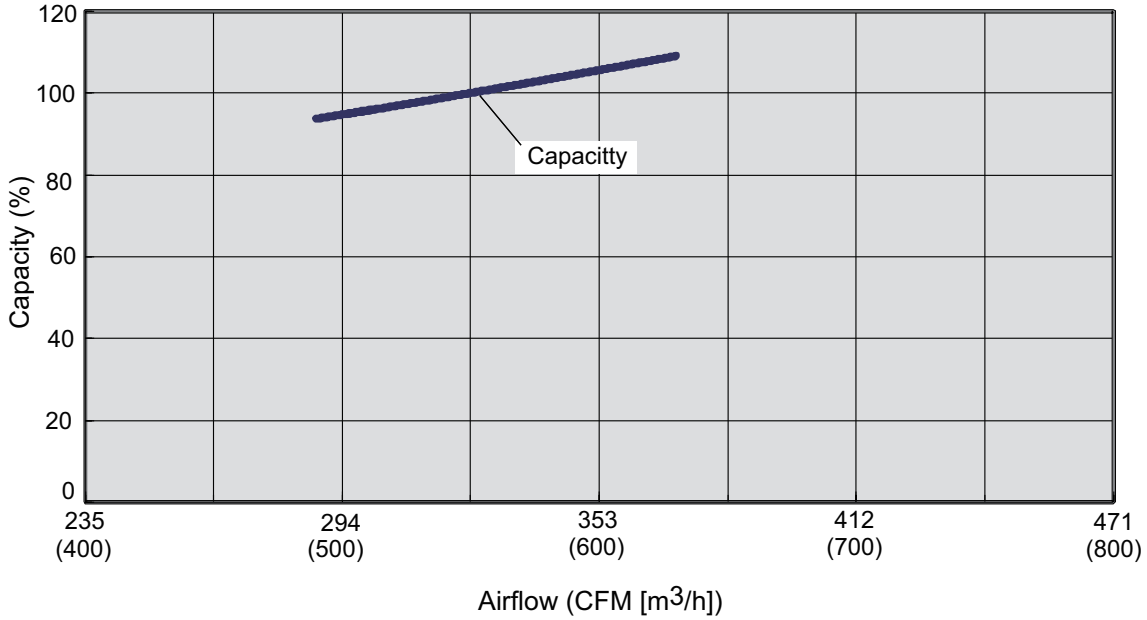


*1: Available airflow rate range when Auto louver grille (option) is installed.
Fan speed : HIGH
Vertical airflow direction louver : Up

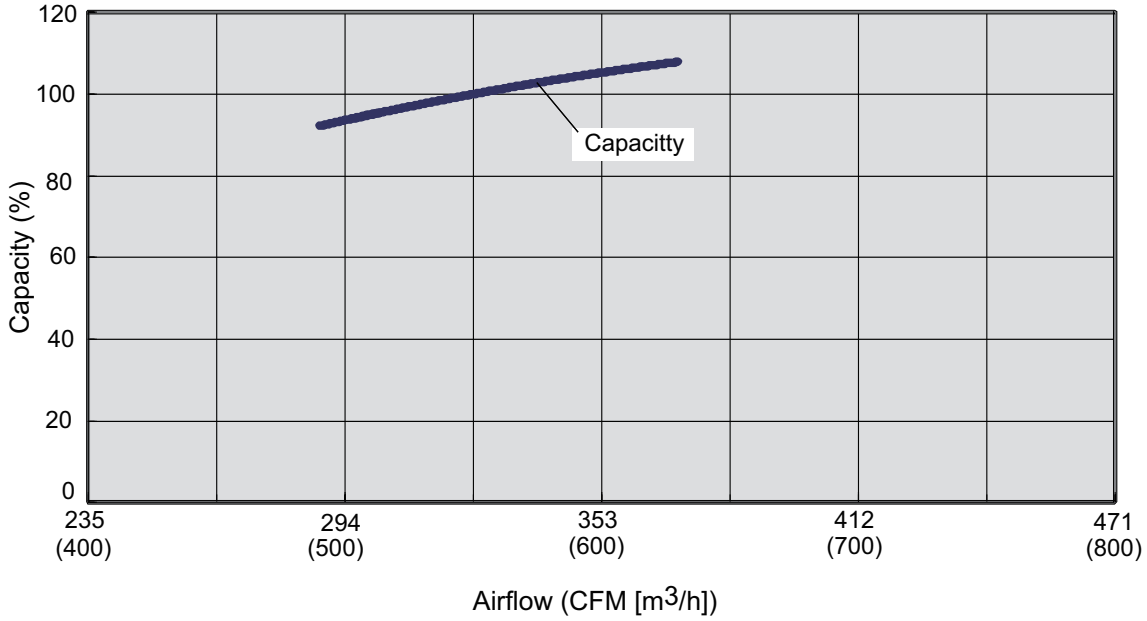
MULTI TYPE
2, 3, 4 ROOMS TYPE

● Characteristics of air volume and capacity

- **Cooling**

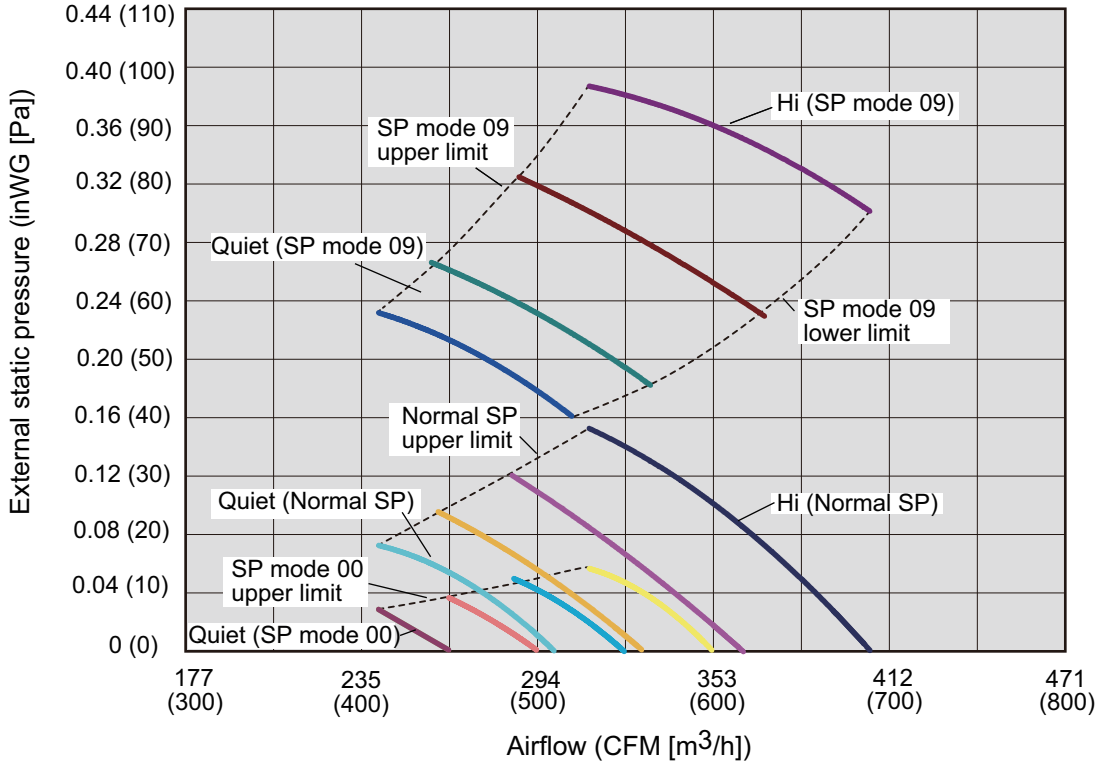


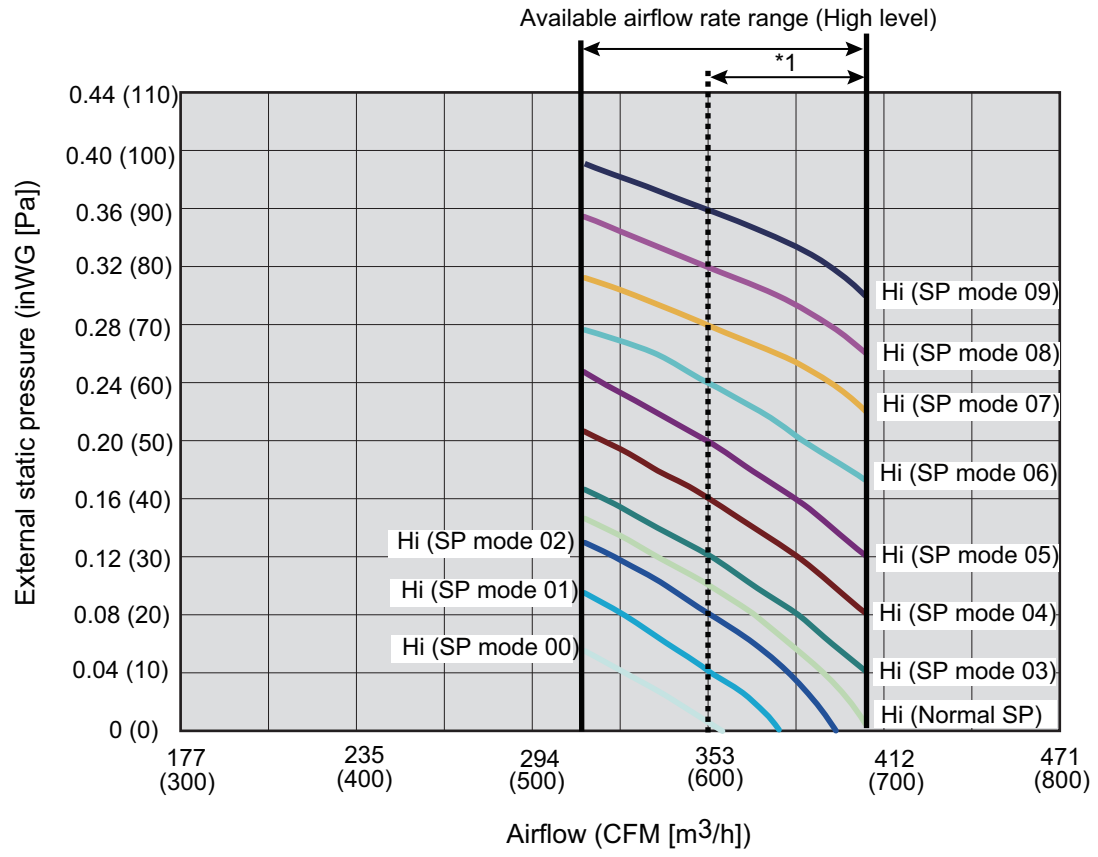
- **Heating**



MULTI TYPE
2, 3, 4 ROOMS TYPE

■ Model: RIDH09AVFJ



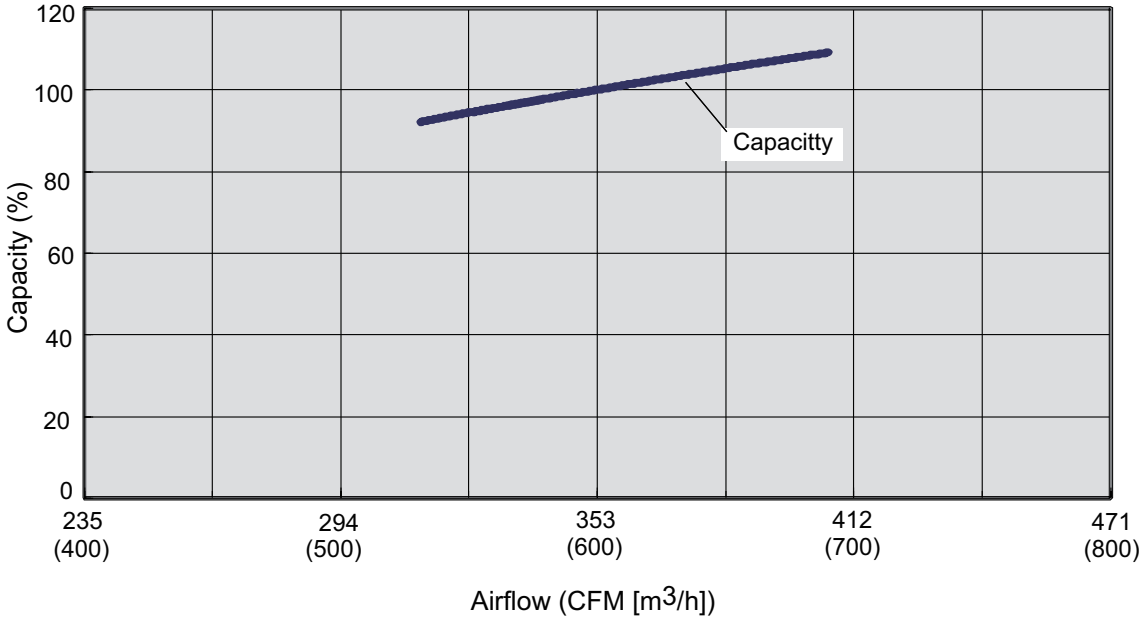


*1: Available airflow rate range when Auto louver grille (option) is installed.
Fan speed : HIGH
Vertical airflow direction louver : Up

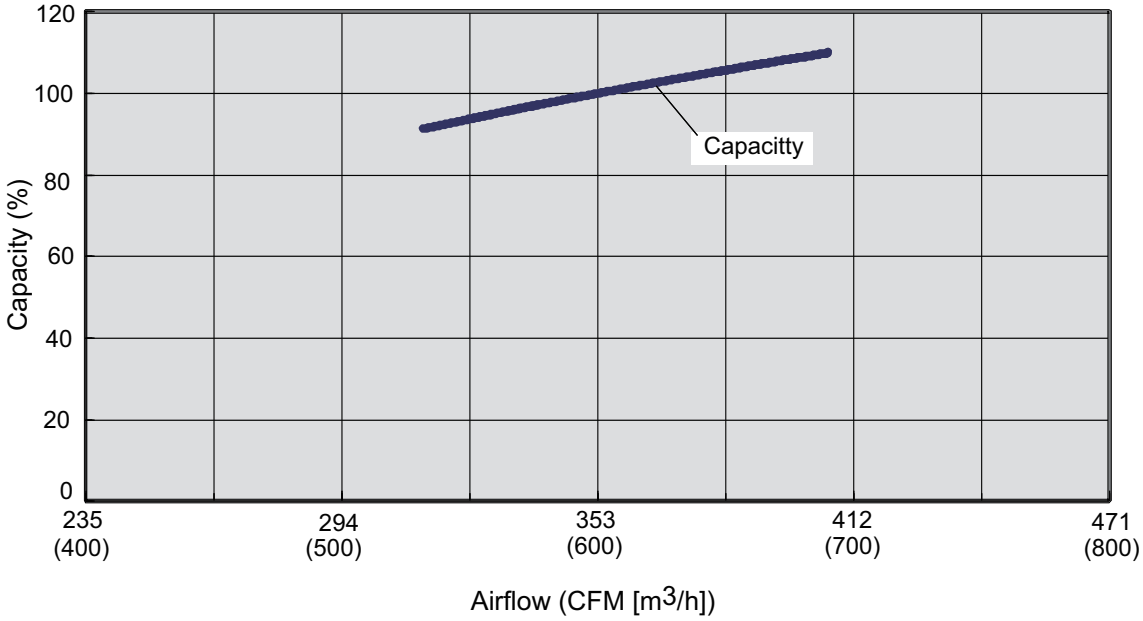
MULTI TYPE
2, 3, 4 ROOMS TYPE

● Characteristics of air volume and capacity

- **Cooling**

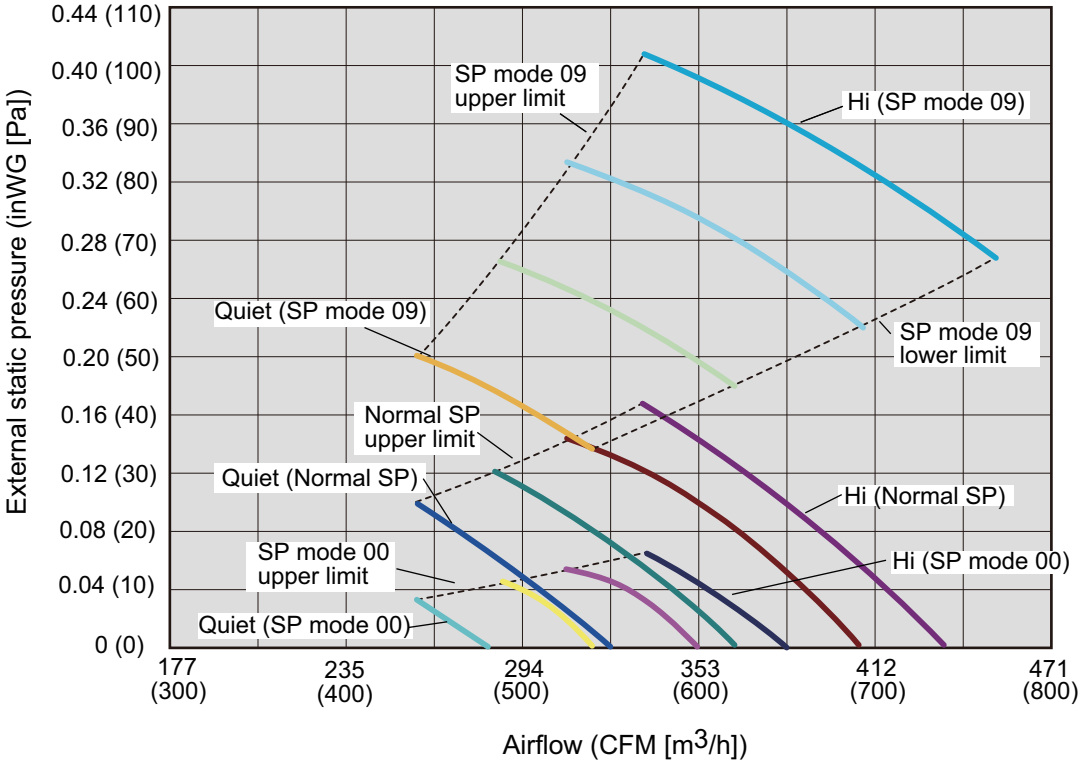


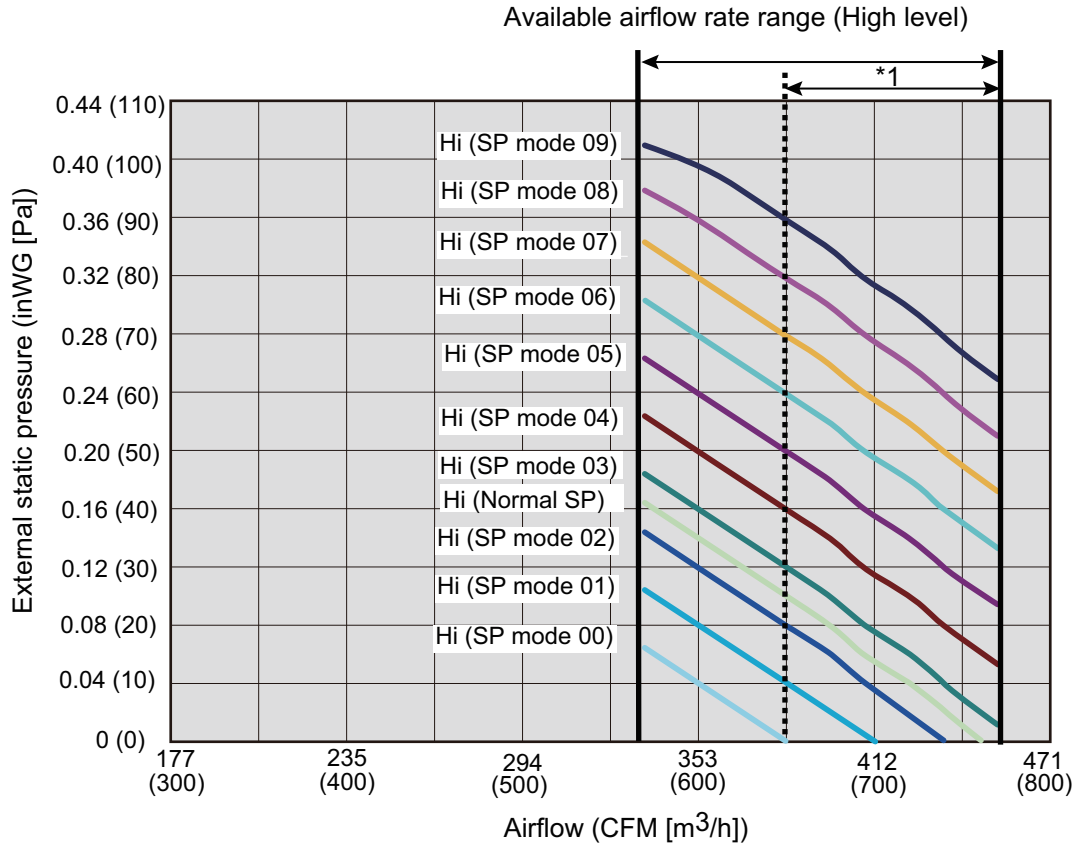
- **Heating**



MULTI TYPE
2, 3, 4 ROOMS TYPE

■ Model: RIDH12AVFJ



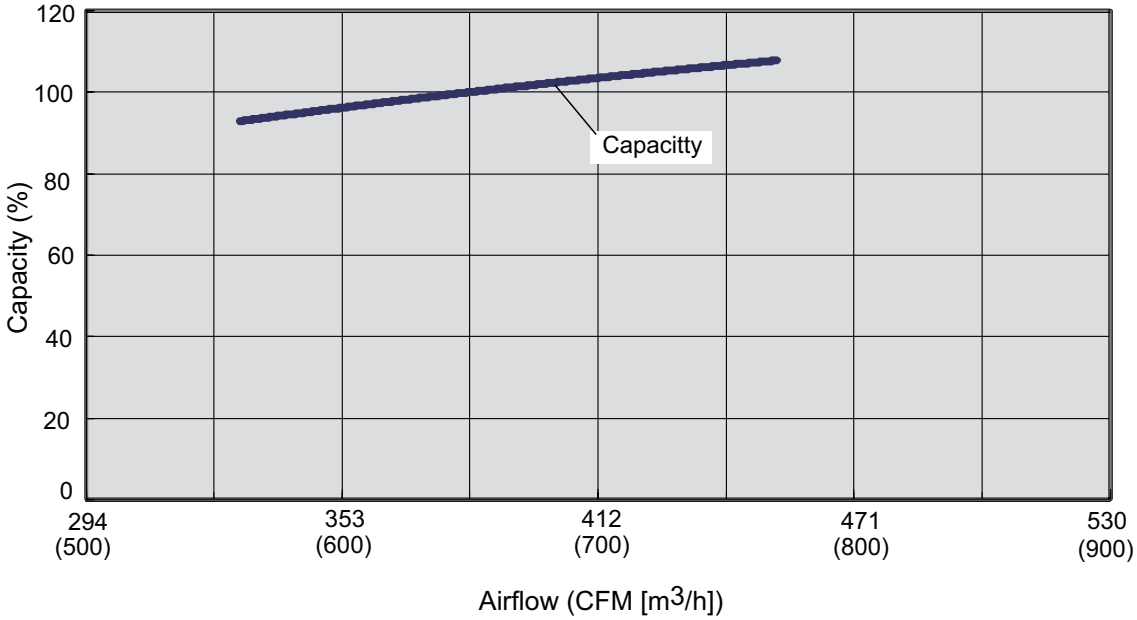


*1: Available airflow rate range when Auto louver grille (option) is installed.
Fan speed : HIGH
Vertical airflow direction louver : Up

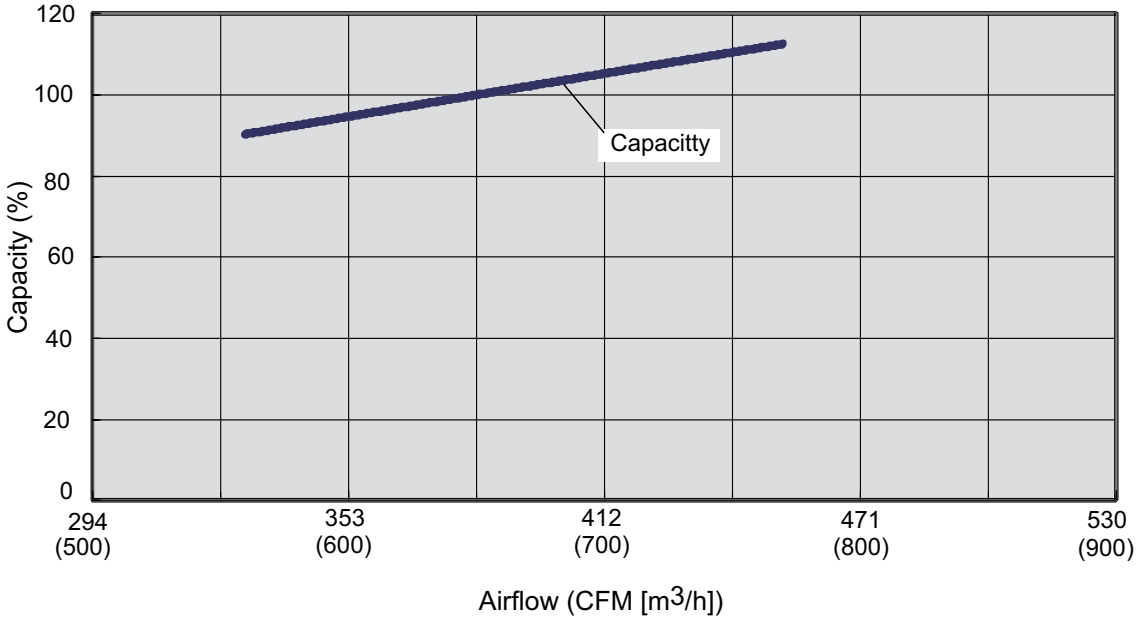
MULTI TYPE
2, 3, 4 ROOMS TYPE

● Characteristics of air volume and capacity

- **Cooling**

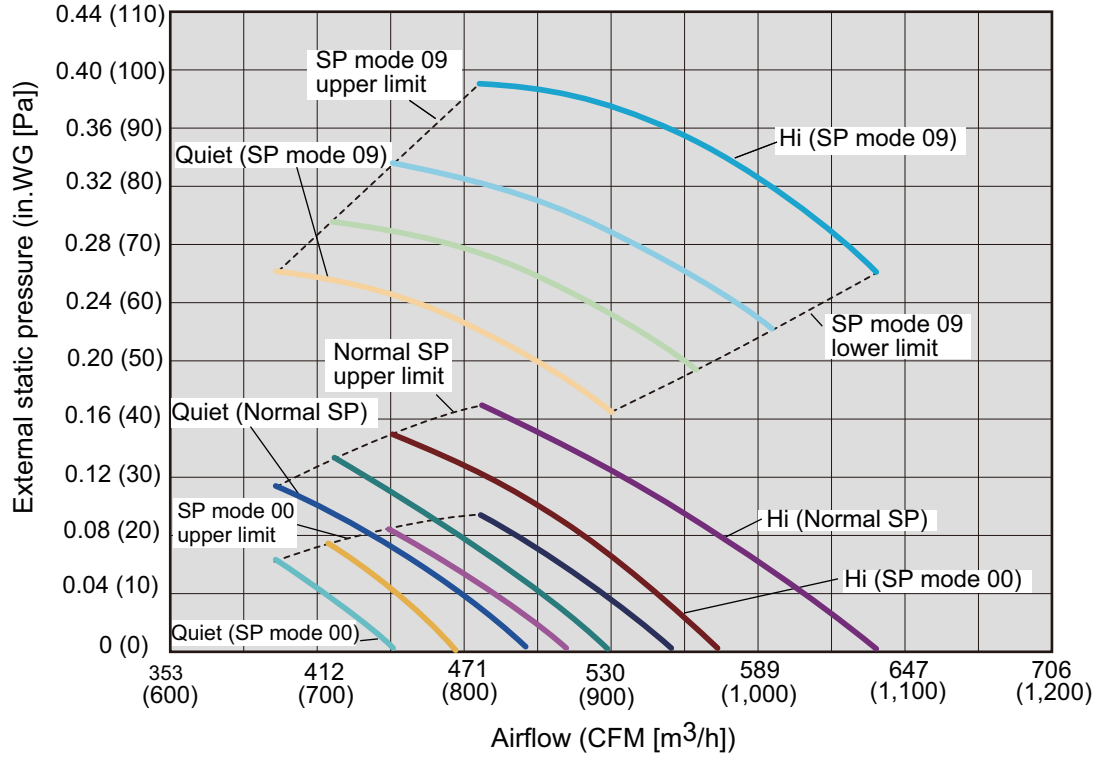


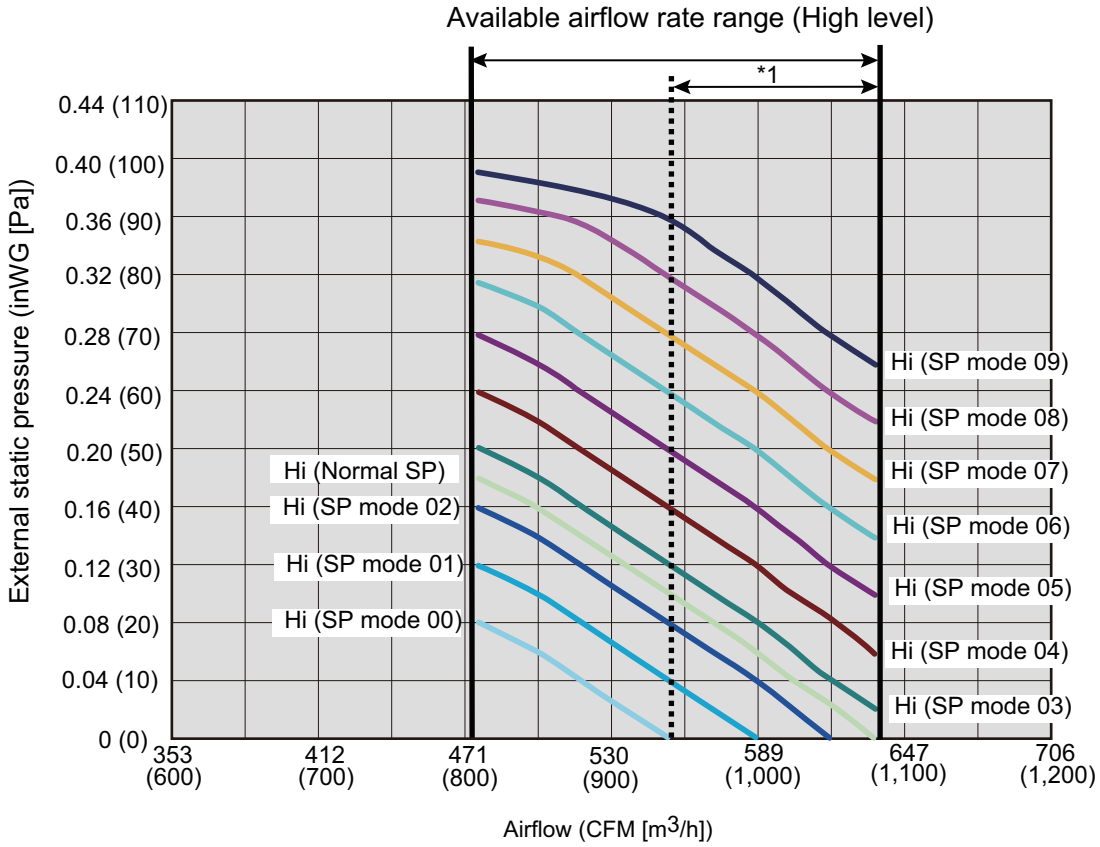
- **Heating**



MULTI TYPE
2, 3, 4 ROOMS TYPE

■ Model: RIDH18AVFJ



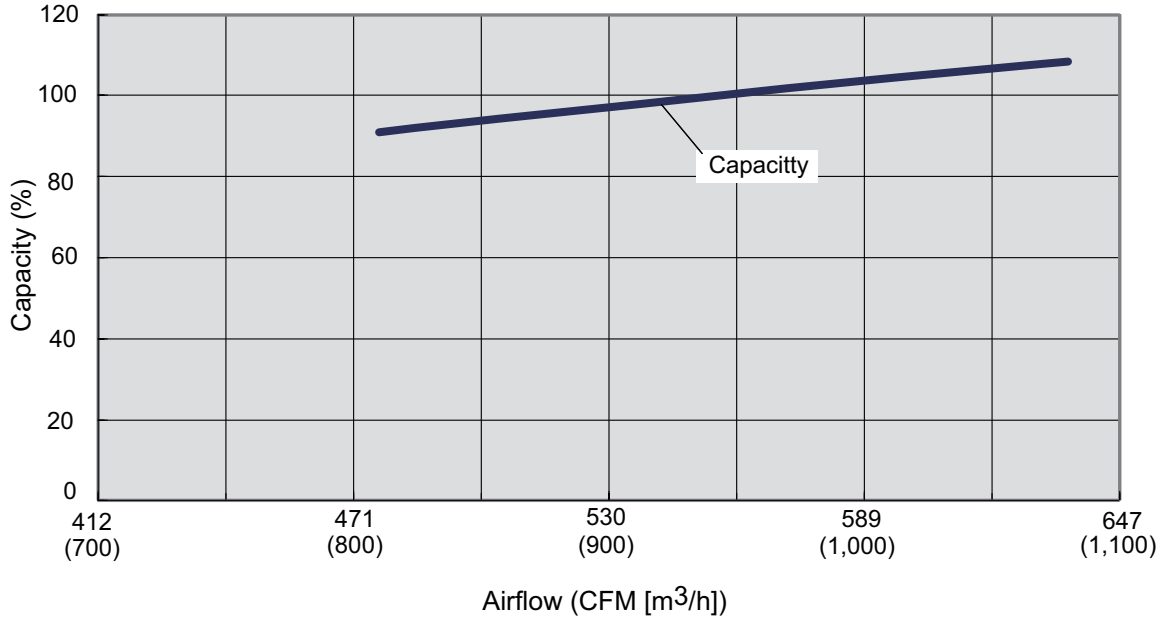


*1: Available airflow rate range when Auto louver grille (option) is installed.
Fan speed : HIGH
Vertical airflow direction louver : Up

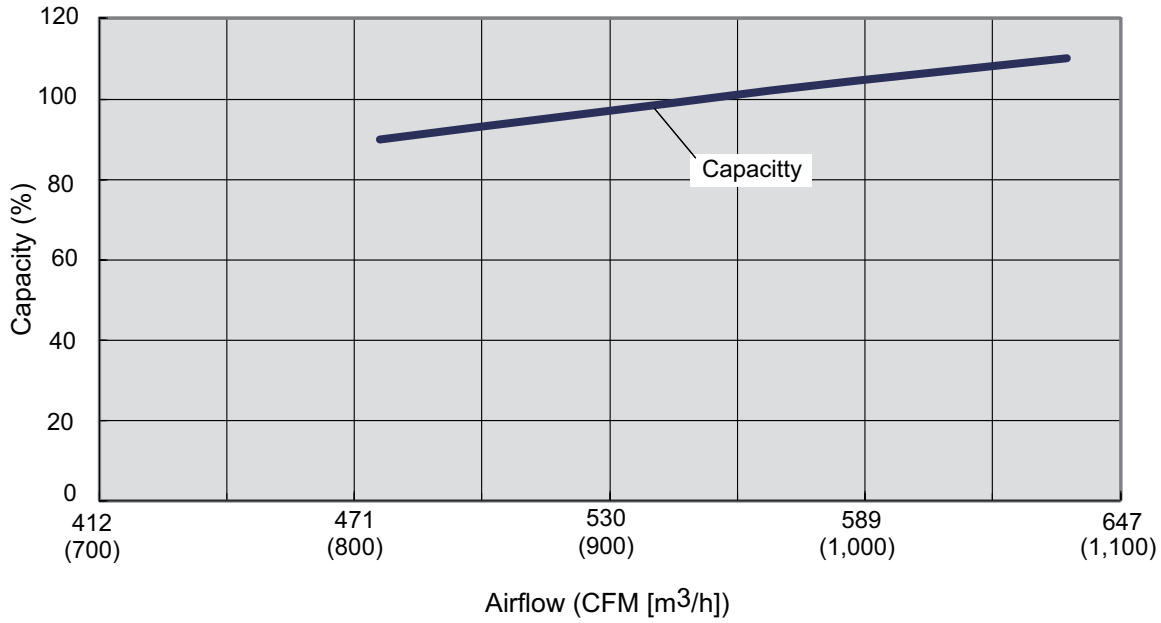
MULTI TYPE
2, 3, 4 ROOMS TYPE

● Characteristics of air volume and capacity

- **Cooling**

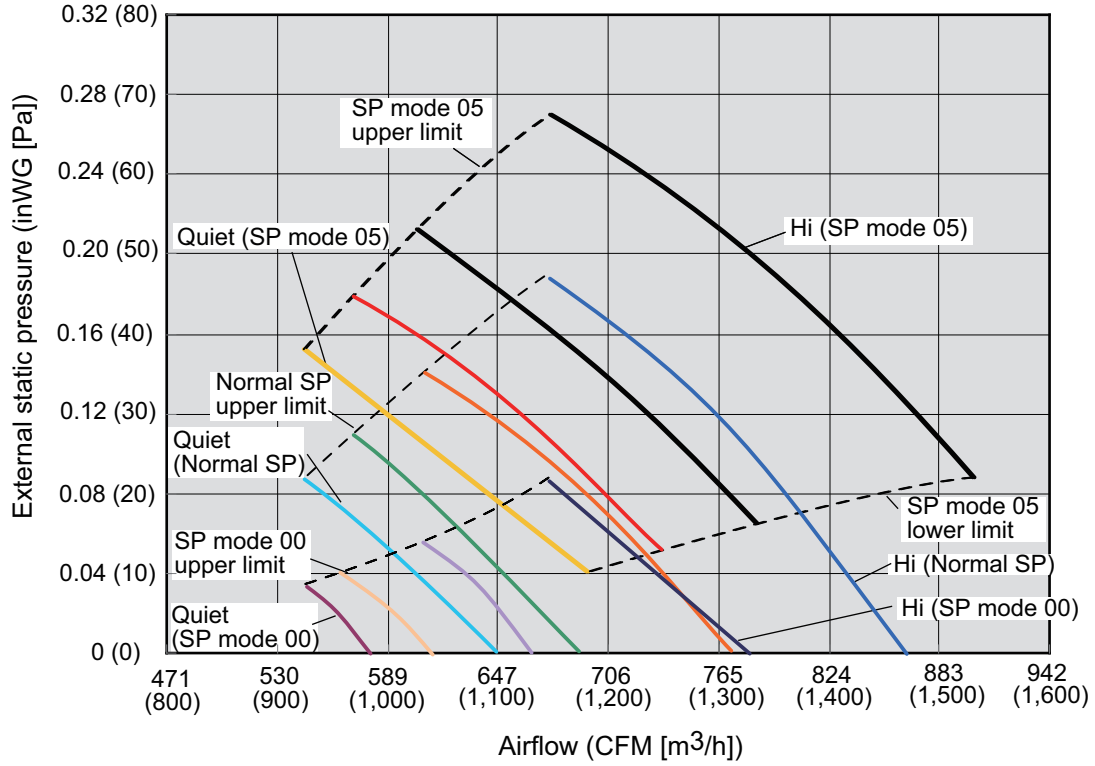


- **Heating**

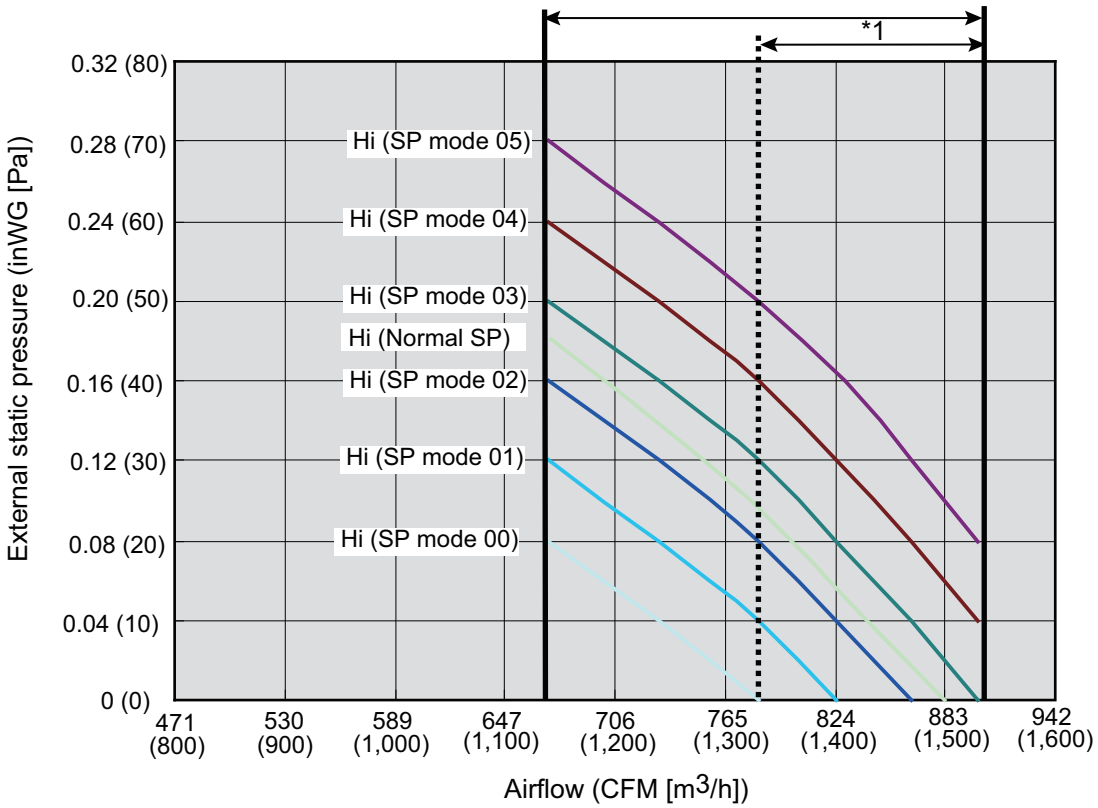


MULTI TYPE
2, 3, 4 ROOMS TYPE

■ Model: RIDH24AVFJ



Available airflow rate range (High level)

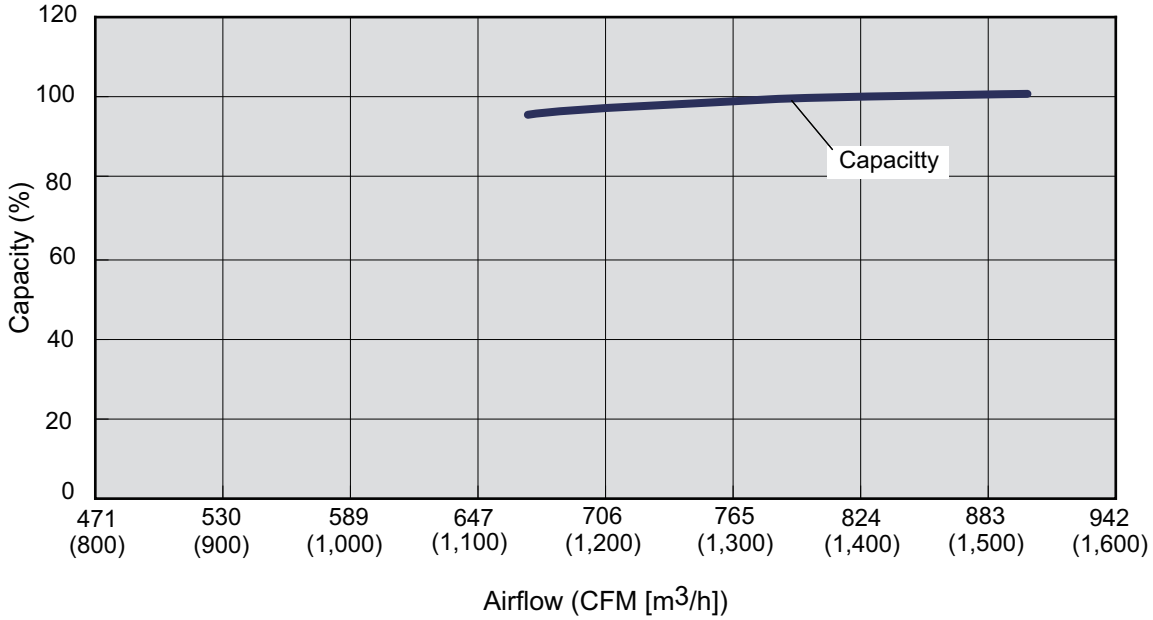


*1: Available airflow rate range when Auto louver grille (option) is installed.
Fan speed : HIGH
Vertical airflow direction louver : Up

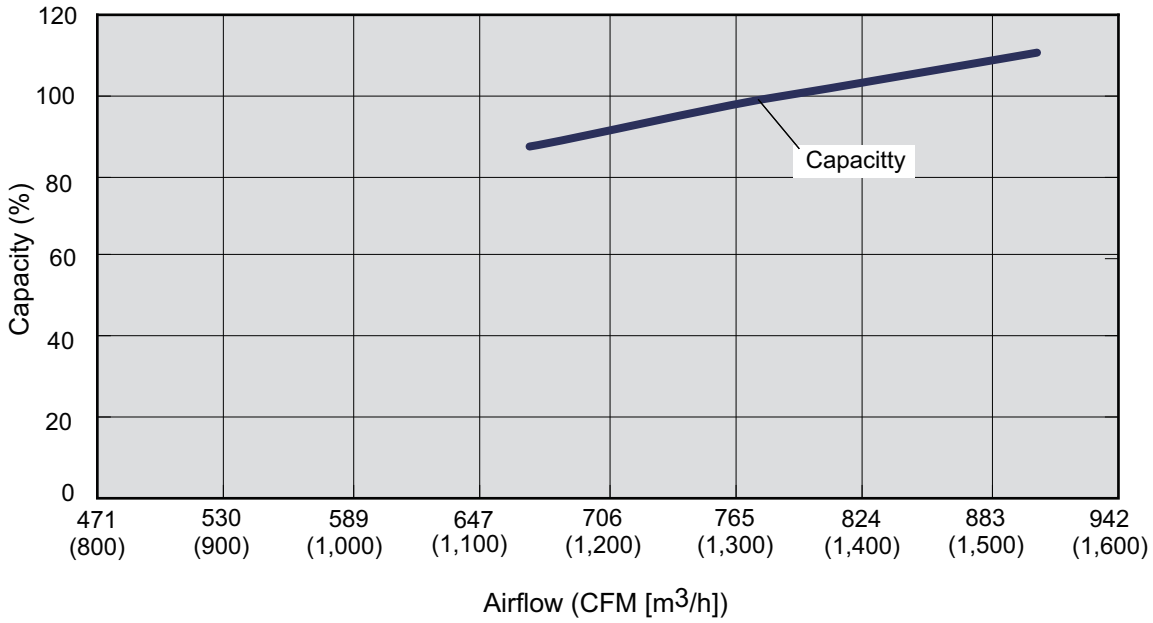
MULTI TYPE
2, 3, 4 ROOMS TYPE

● Characteristics of air volume and capacity

- **Cooling**



- **Heating**



MULTI TYPE
2, 3, 4 ROOMS TYPE

7. Airflow

Conversion factor:

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

7-1. Compact cassette type

Model	Operation mode	Fan speed	Airflow		
			m^3/h	l/s	CFM
RICH07AVFJ	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
RICH09AVFJ	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
RICH12AVFJ	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
RICH18AVFJ	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

MULTI TYPE
2, 3, 4 ROOMS TYPE

7-2. Slim duct type

Model	Operation mode	Fan speed	Airflow		
			m^3/h	l/s	CFM
RIDH07AVFJ	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
RIDH09AVFJ	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
RIDH12AVFJ	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
RIDH18AVFJ	Cooling	High	940	261	554
		Med	880	244	518
		Low	820	227	483
		Quiet	750	208	441
	Heating	High	940	261	554
		Med	880	244	518
		Low	820	227	483
		Quiet	750	208	441
RIDH24AVFJ	Cooling	High	1,330	369	783
		Med	1,240	344	730
		Low	1,100	306	648
		Quiet	1,030	286	607
	Heating	High	1,330	369	783
		Med	1,240	344	730
		Low	1,100	306	648
		Quiet	1,030	286	607

MULTI TYPE
2, 3, 4 ROOMS TYPE

7-3. Wall mounted type

Model	Operation mode	Fan speed	Airflow		
			m^3/h	l/s	CFM
UIWH07AVFJ	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
UIWH09AVFJ	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
UIWH12AVFJ	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
UIWH15AVFJ	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
UIWH18AVFJ	Cooling	High	920	256	542
		Med	740	206	436
		Low	620	172	365
		Quiet	550	153	324
	Heating	High	920	256	542
		Med	740	206	436
		Low	620	172	365
		Quiet	550	153	324
UIWH24AVFJ	Cooling	High	1,120	311	659
		Med	900	250	530
		Low	740	206	436
		Quiet	620	172	365
	Heating	High	1,100	306	647
		Med	900	250	530
		Low	740	206	436
		Quiet	620	172	365

MULTI TYPE
2, 3, 4 ROOMS TYPE

7-4. Floor type

Model	Operation mode	Fan speed	Airflow		
			m^3/h	l/s	CFM
RIFH09AVFJ	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
RIFH12AVFJ	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
RIFH15AVFJ	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

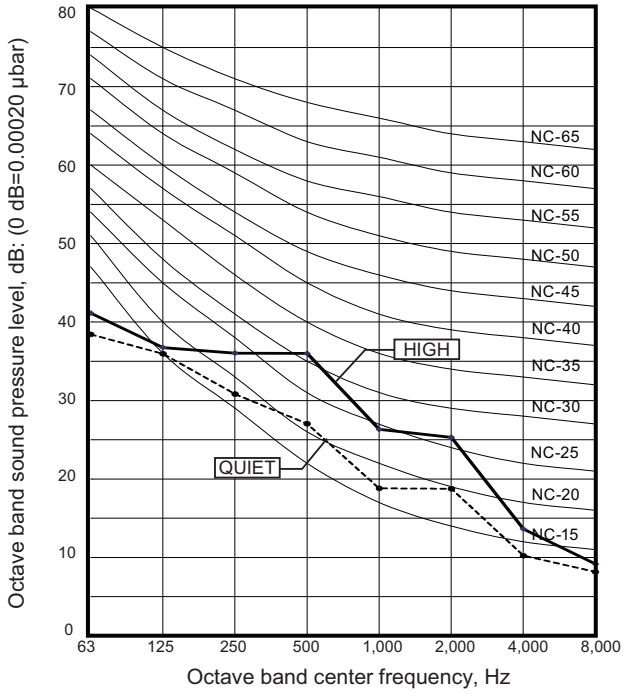
MULTI TYPE
2, 3, 4 ROOMS TYPE

8. Noise level curve

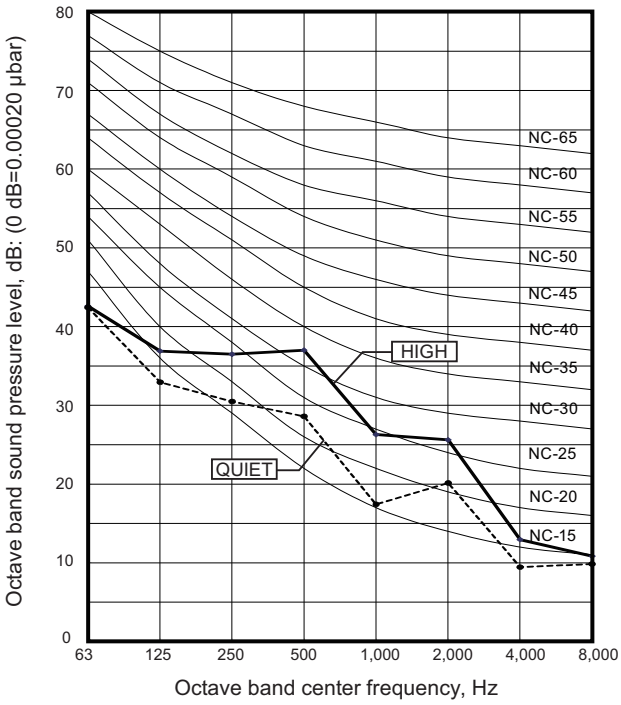
8-1. Compact cassette type

■ Model: RICH07AVFJ

● Cooling

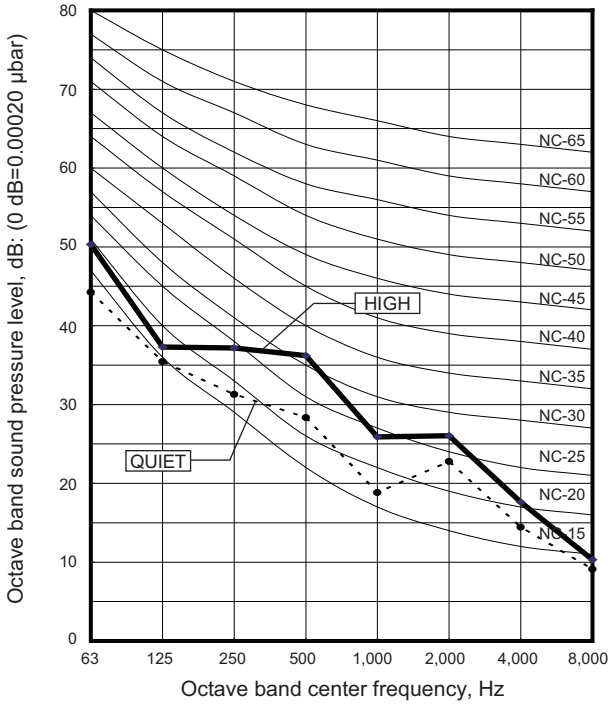


● Heating

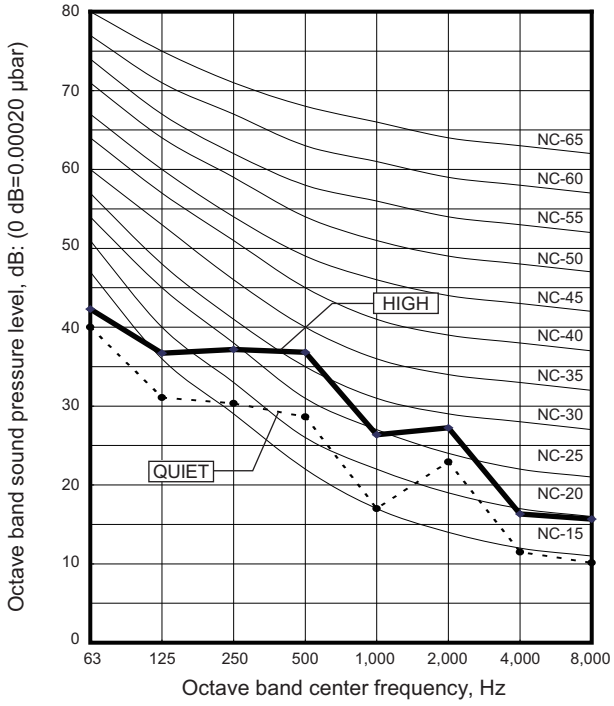


■ Model: RICH09AVFJ

● Cooling



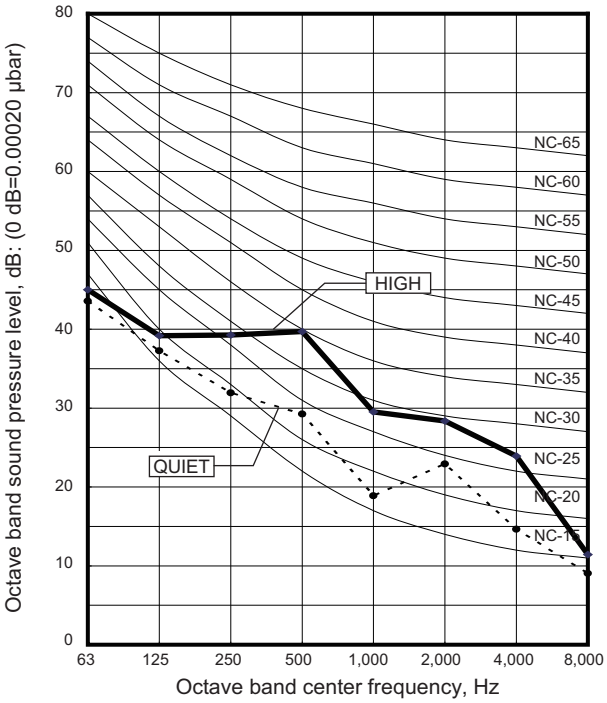
● Heating



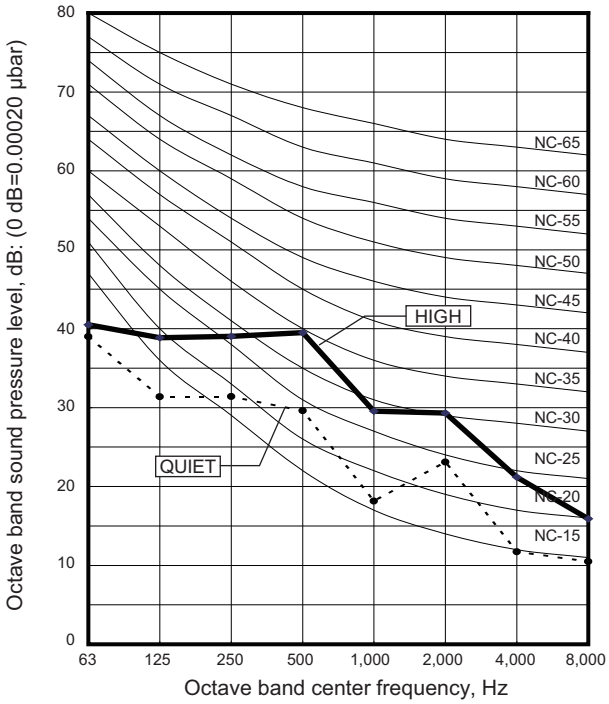
MULTI TYPE
2, 3, 4 ROOMS TYPE

■ Model: RICH12AVFJ

● Cooling

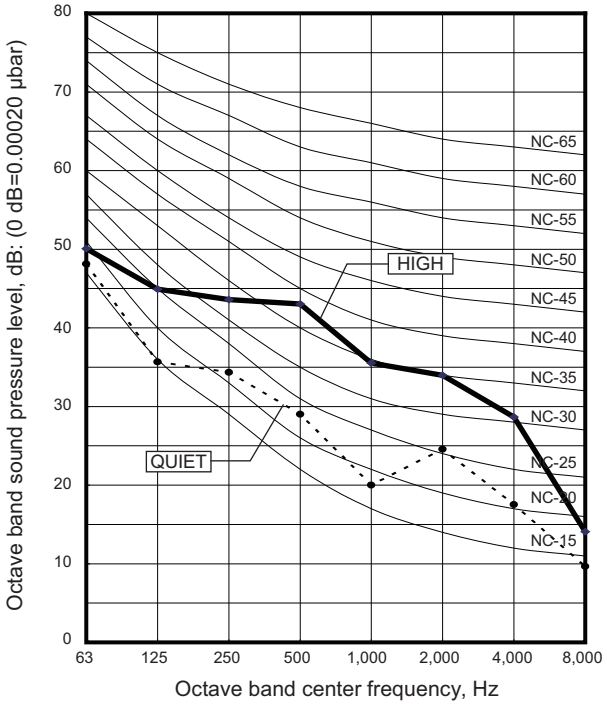


● Heating

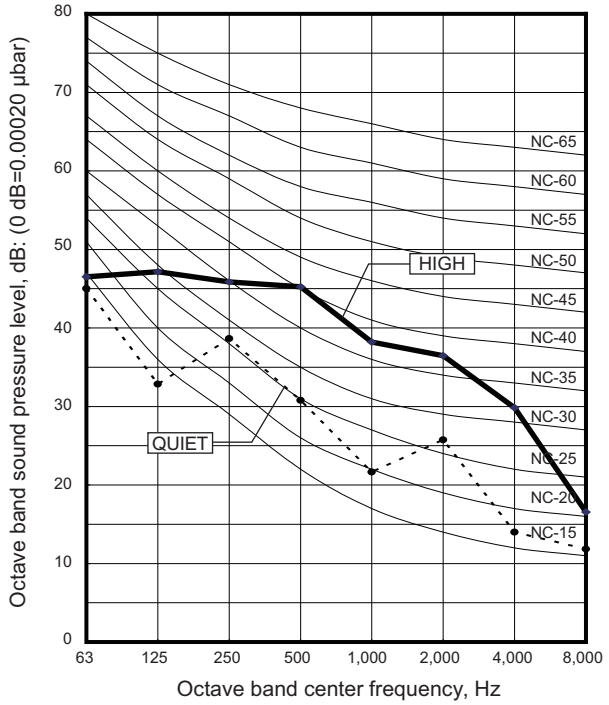


■ Model: RICH18AVFJ

● Cooling



● Heating

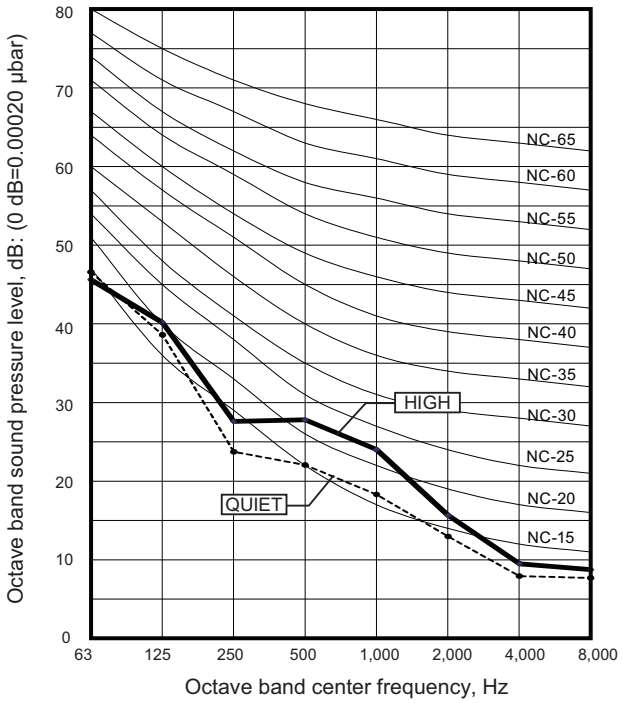


MULTI TYPE
2, 3, 4 ROOMS TYPE

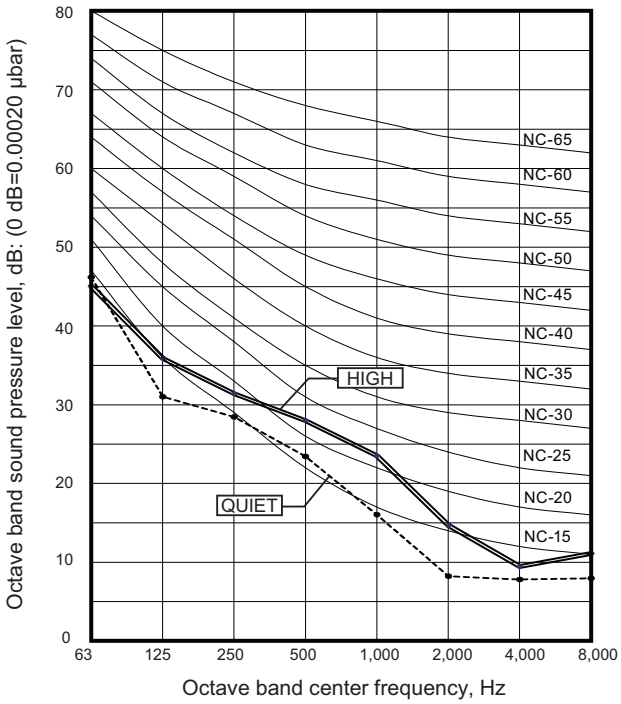
8-2. Slim duct type

■ Model: RIDH07AVFJ

● Cooling

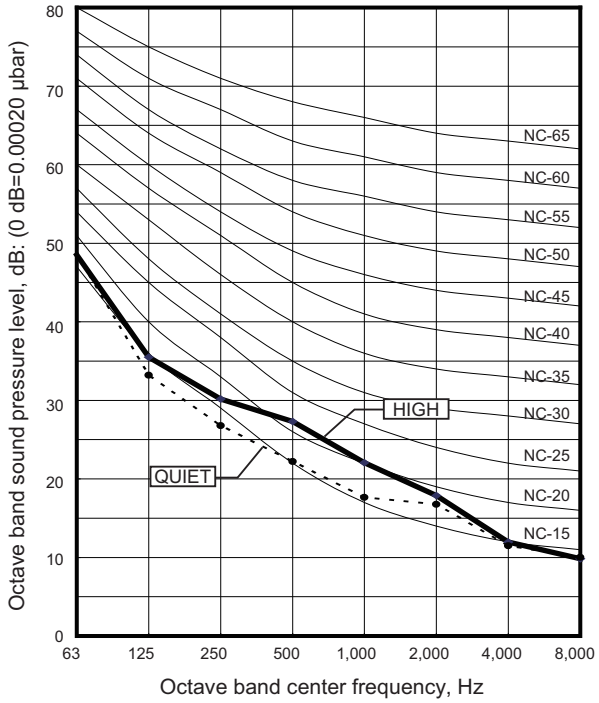


● Heating

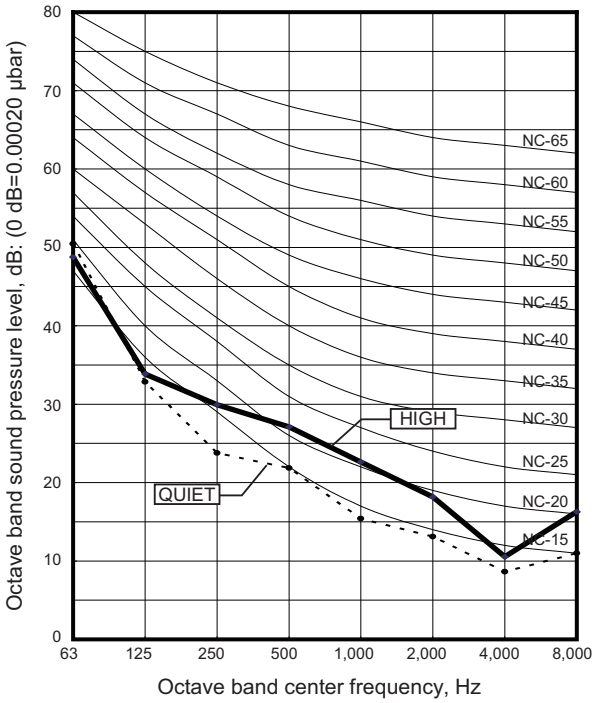


■ Model: RIDH09AVFJ

● Cooling



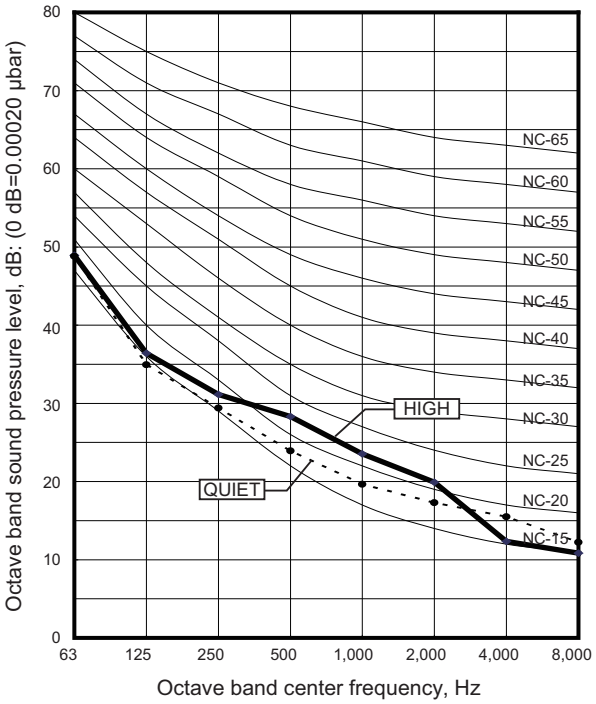
● Heating



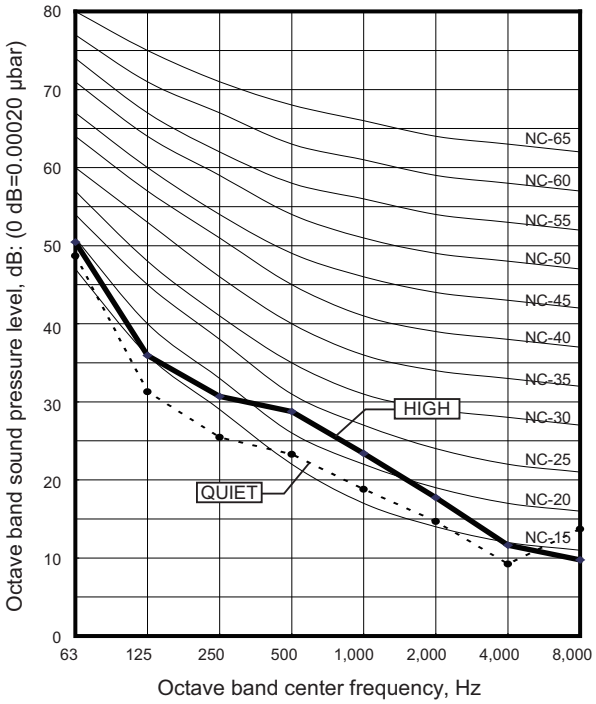
MULTI TYPE
2, 3, 4 ROOMS TYPE

■ Model: RIDH12AVFJ

● Cooling

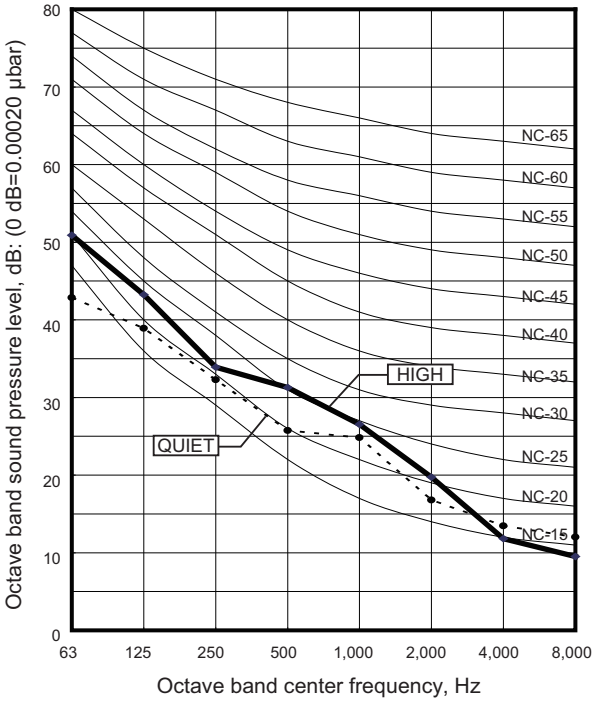


● Heating

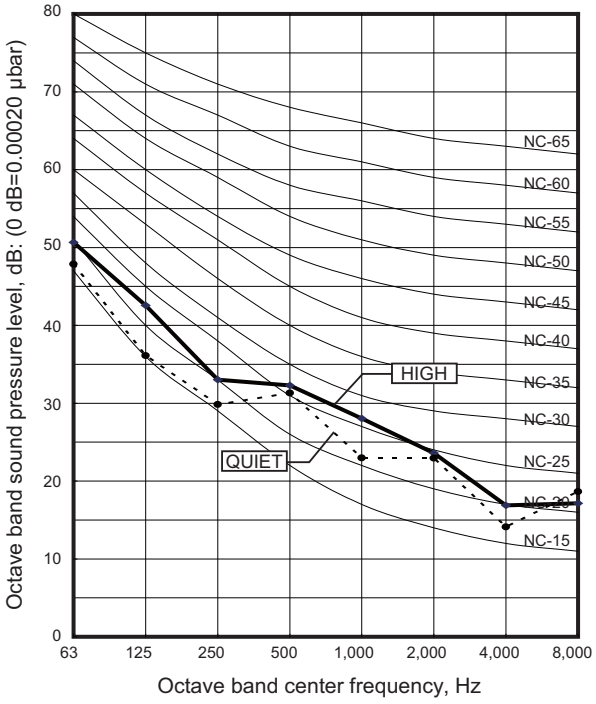


■ Model: RIDH18AVFJ

● Cooling



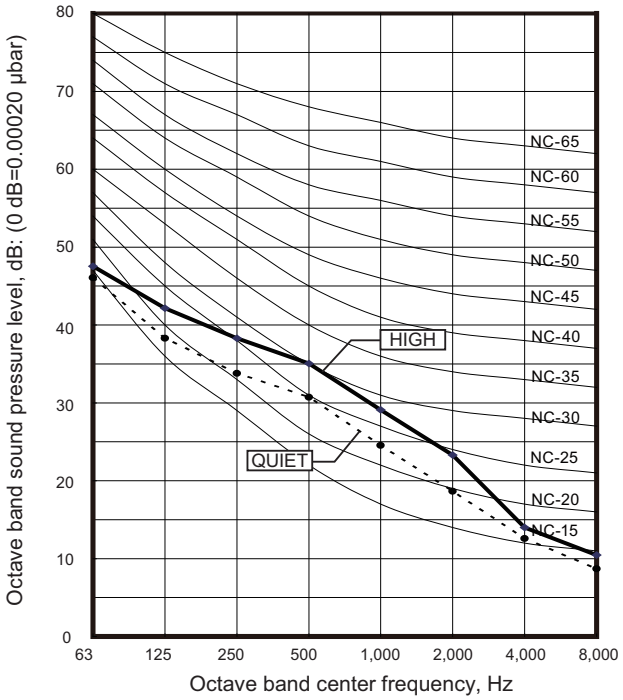
● Heating



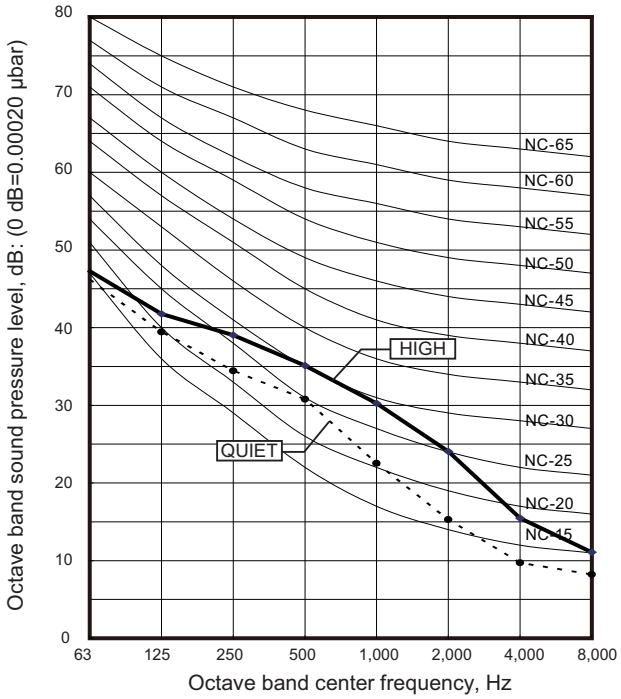
MULTI TYPE
2, 3, 4 ROOMS TYPE

■ Model: RIDH24AVFJ

● Cooling



● Heating

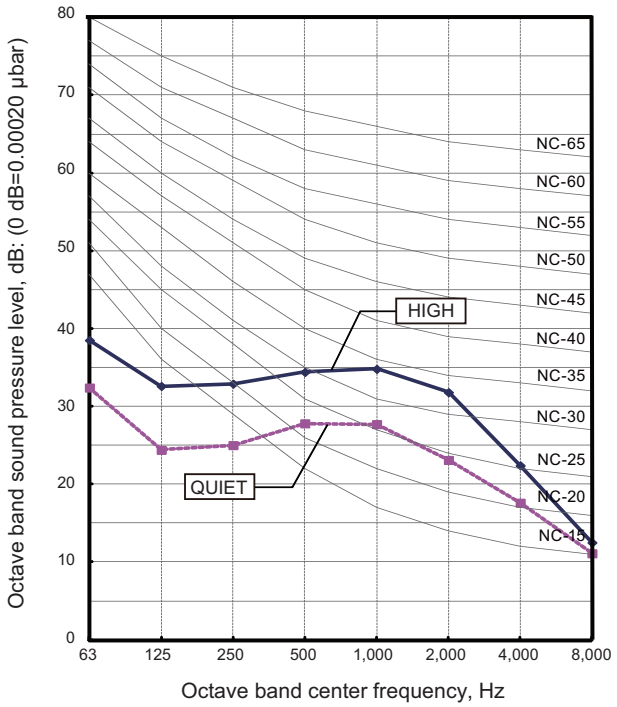


MULTI TYPE
2, 3, 4 ROOMS TYPE

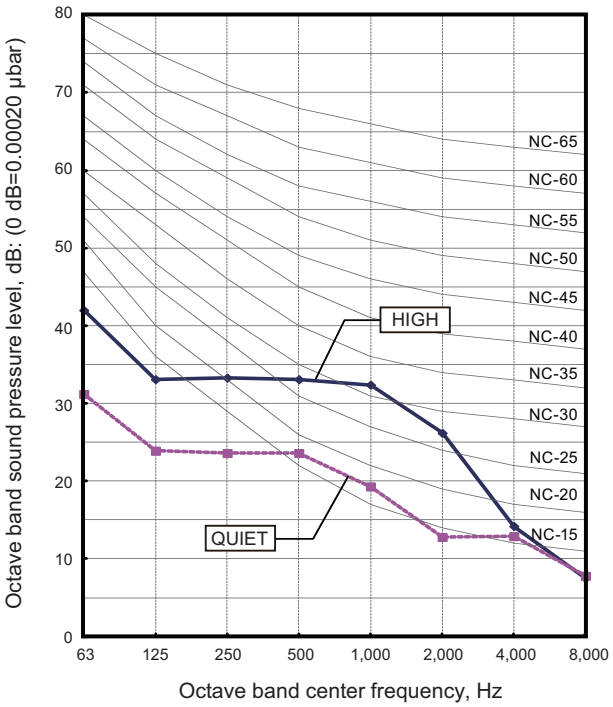
8-3. Wall mounted type

■ Model: UIWH07AVFJ

● Cooling

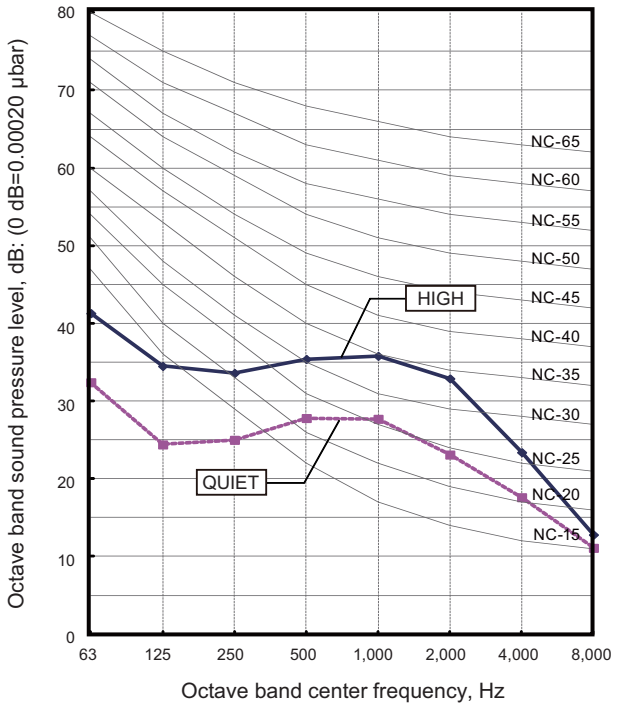


● Heating

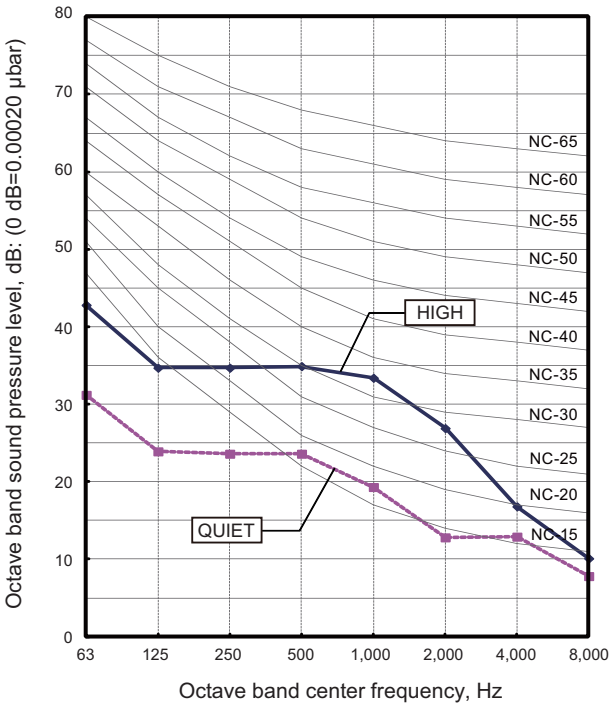


■ Model: UIWH09AVFJ

● Cooling



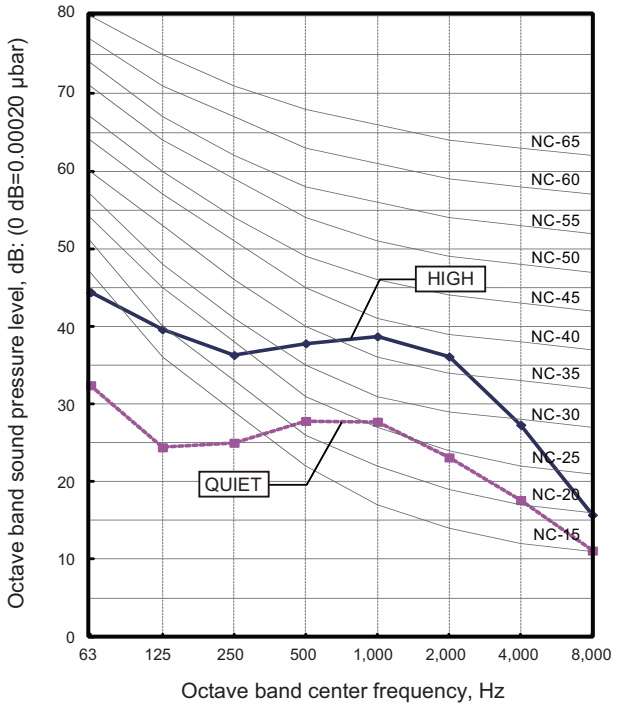
● Heating



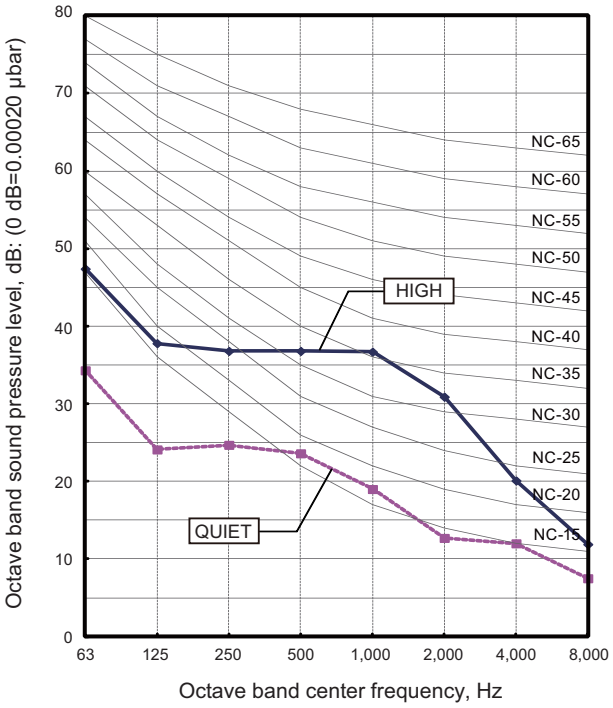
MULTI TYPE
2, 3, 4 ROOMS TYPE

■ Model: UlWH12AVFJ

● Cooling

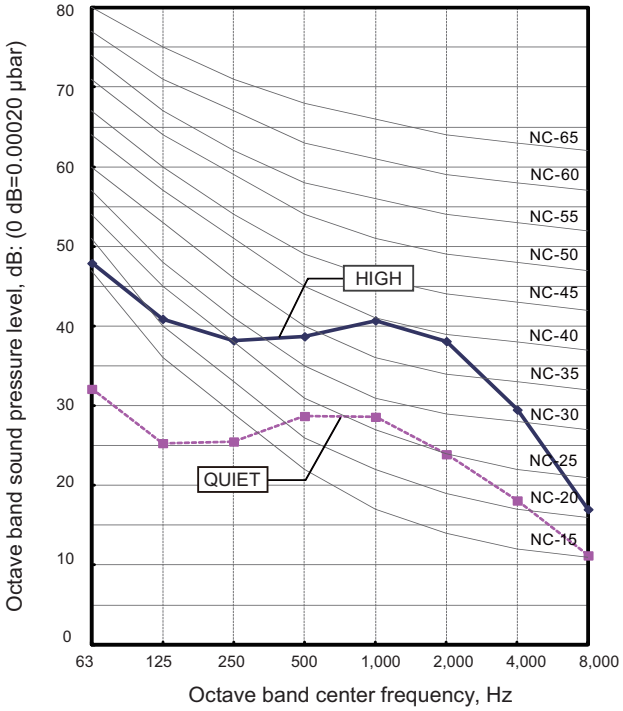


● Heating

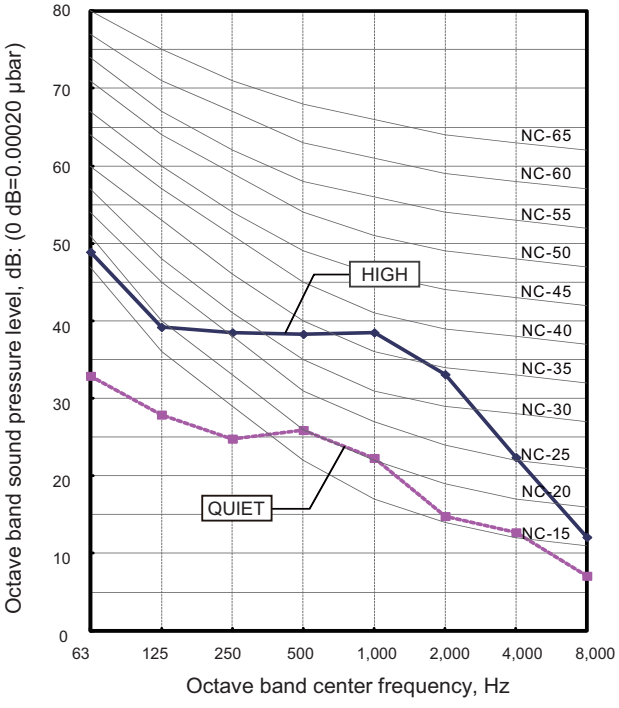


■ Model: UlWH15AVFJ

● Cooling



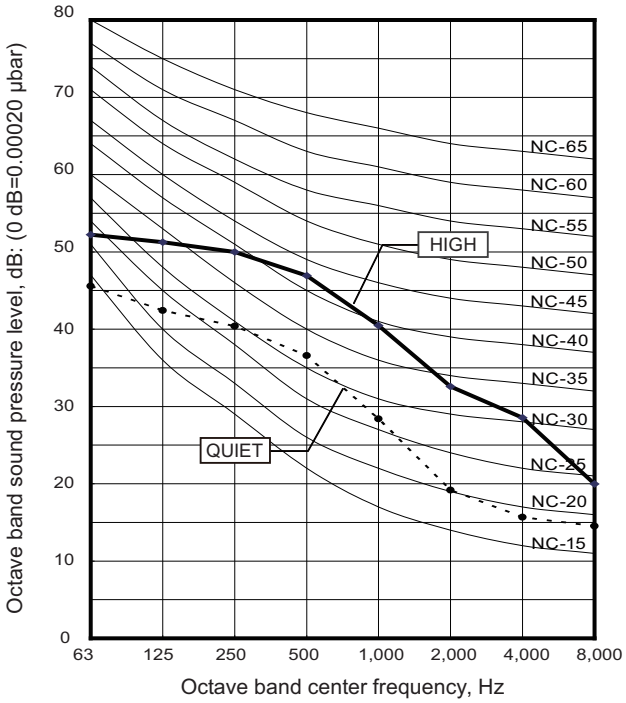
● Heating



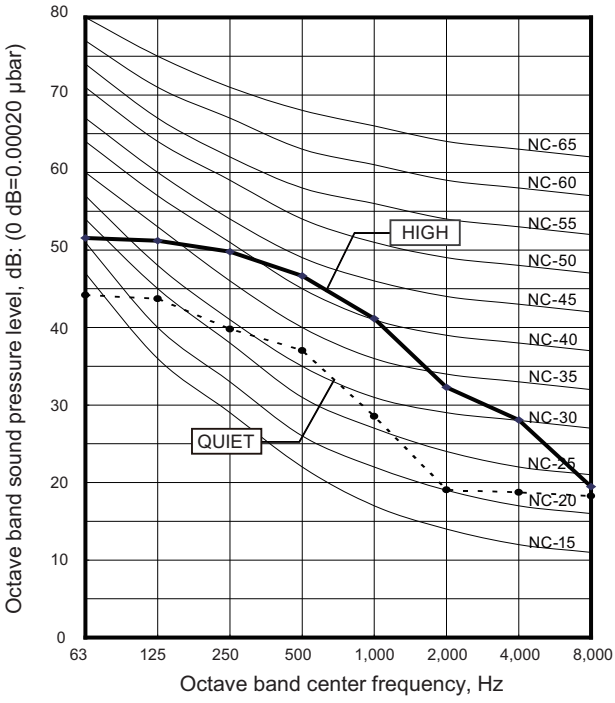
MULTI TYPE
2, 3, 4 ROOMS TYPE

■ Model: UlWH18AVFJ

● Cooling

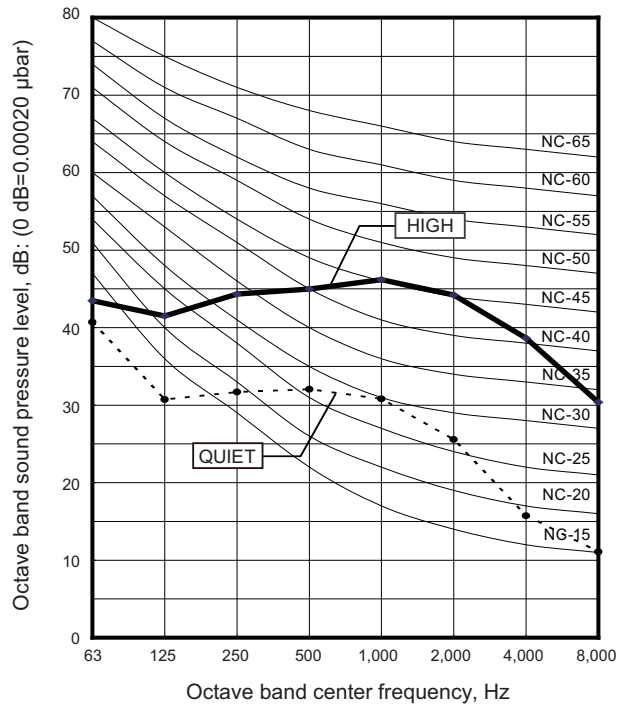


● Heating

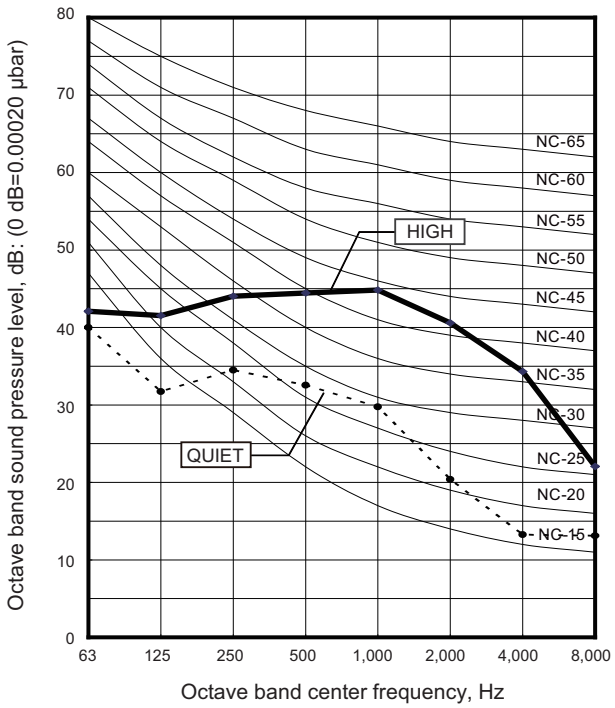


■ Model: UlWH24AVFJ

● Cooling



● Heating

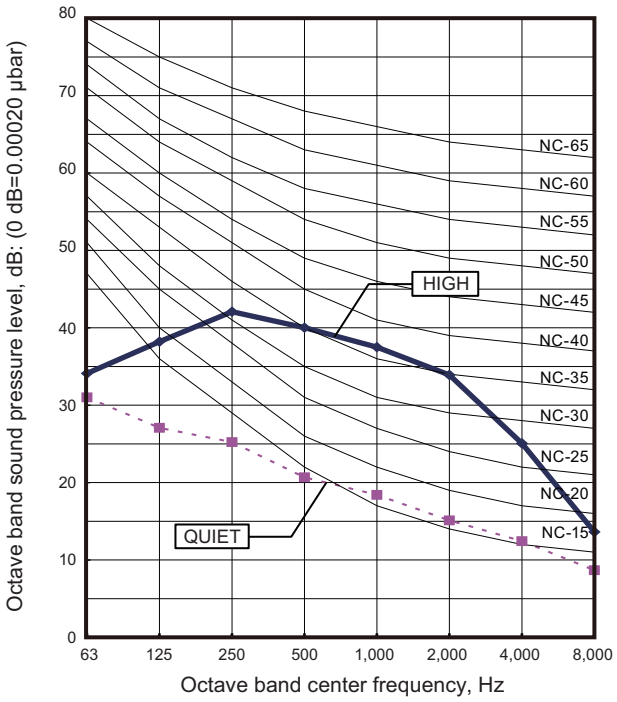


MULTI TYPE
2, 3, 4 ROOMS TYPE

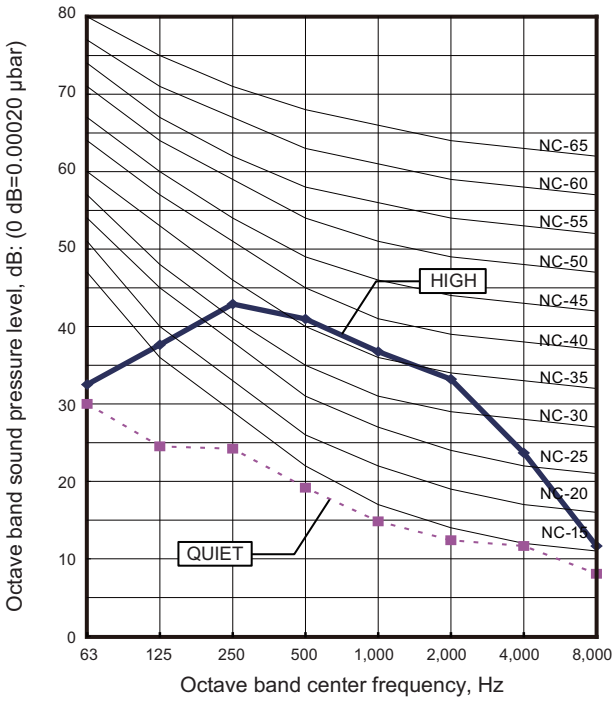
8-4. Floor type

■ Model: RIFH09AVFJ

● Cooling

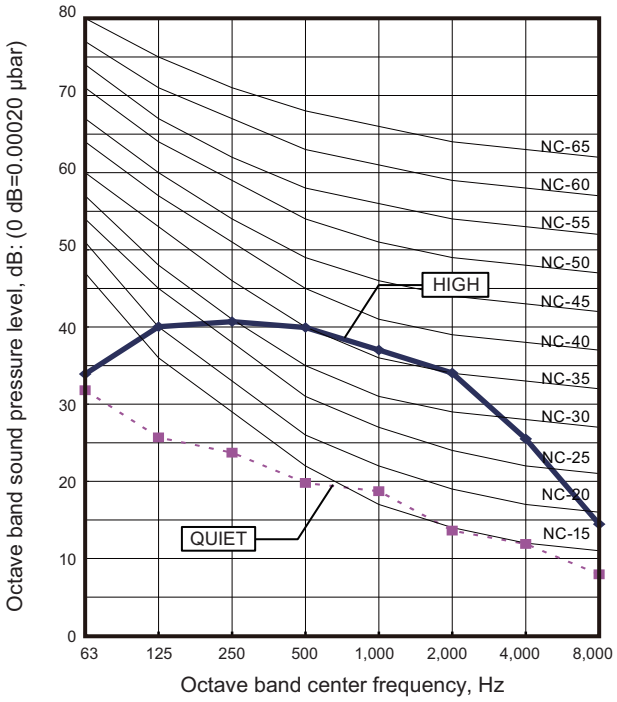


● Heating

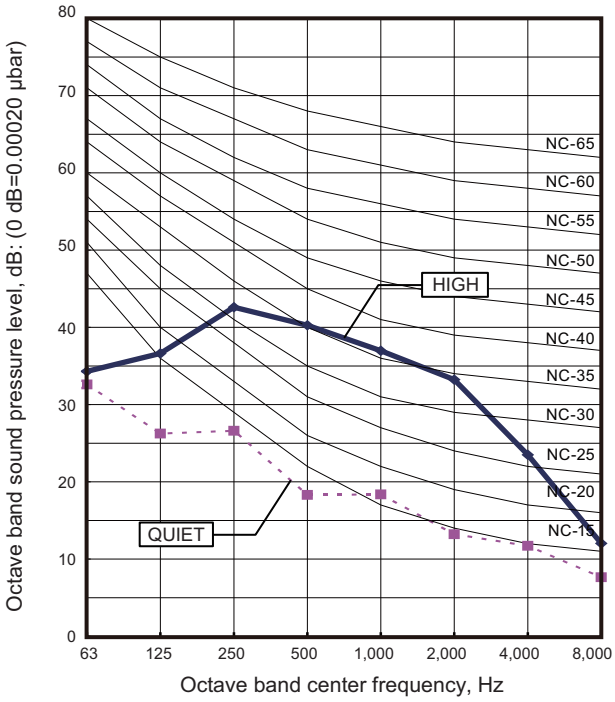


■ Model: RIFH12AVFJ

● Cooling



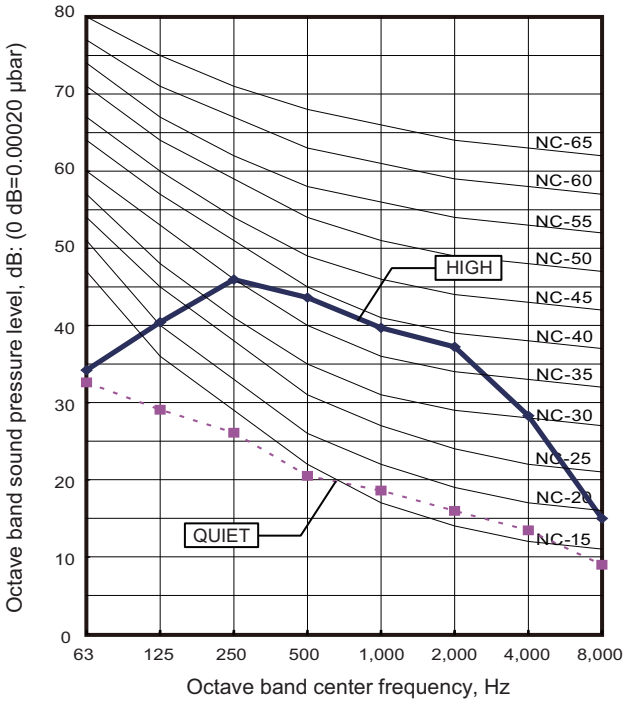
● Heating



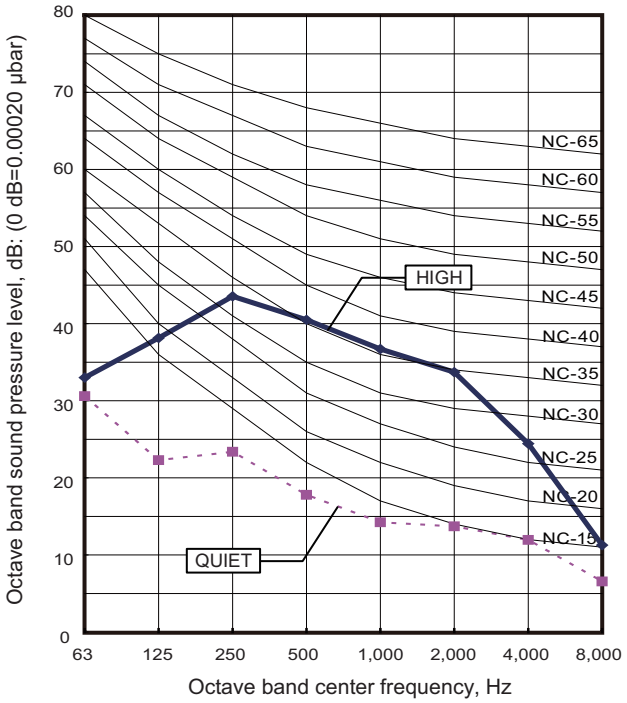
MULTI TYPE
2, 3, 4 ROOMS TYPE

■ Model: RIFH15AVFJ

● Cooling



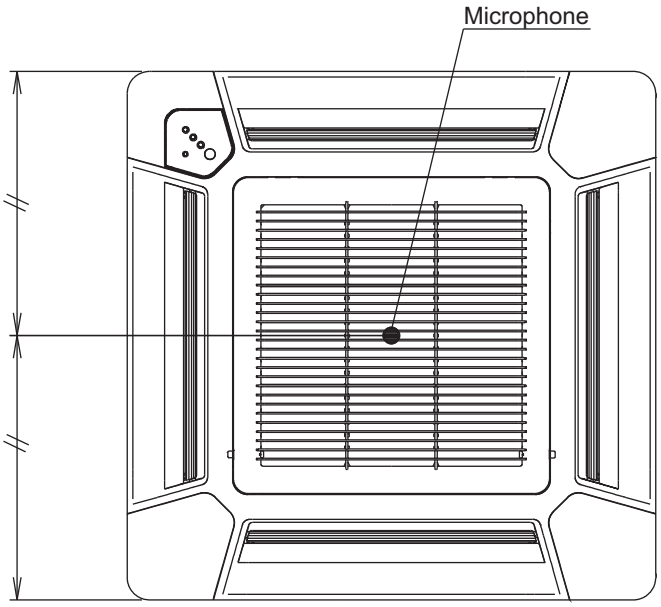
● Heating

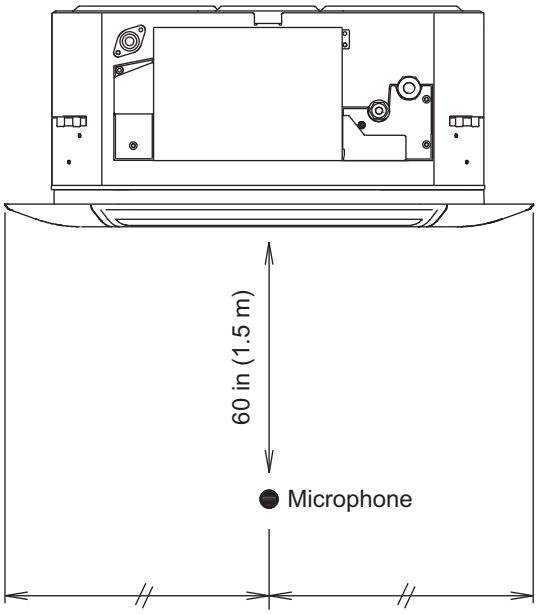


MULTI TYPE
2, 3, 4 ROOMS TYPE

8-5. Sound level check point

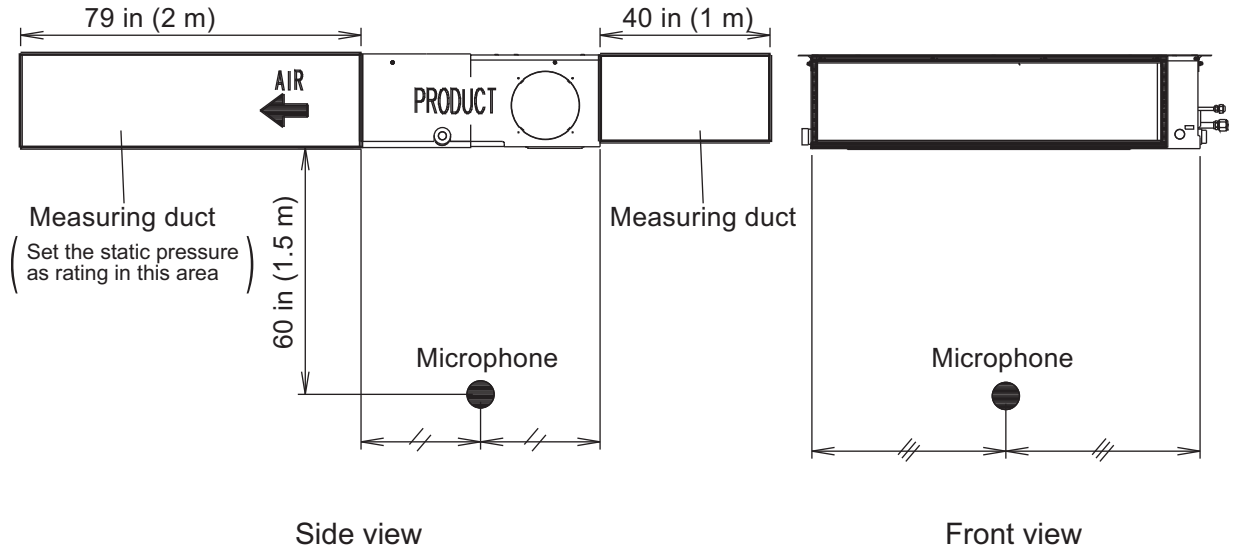
■ Compact cassette type





MULTI TYPE
2, 3, 4 ROOMS TYPE

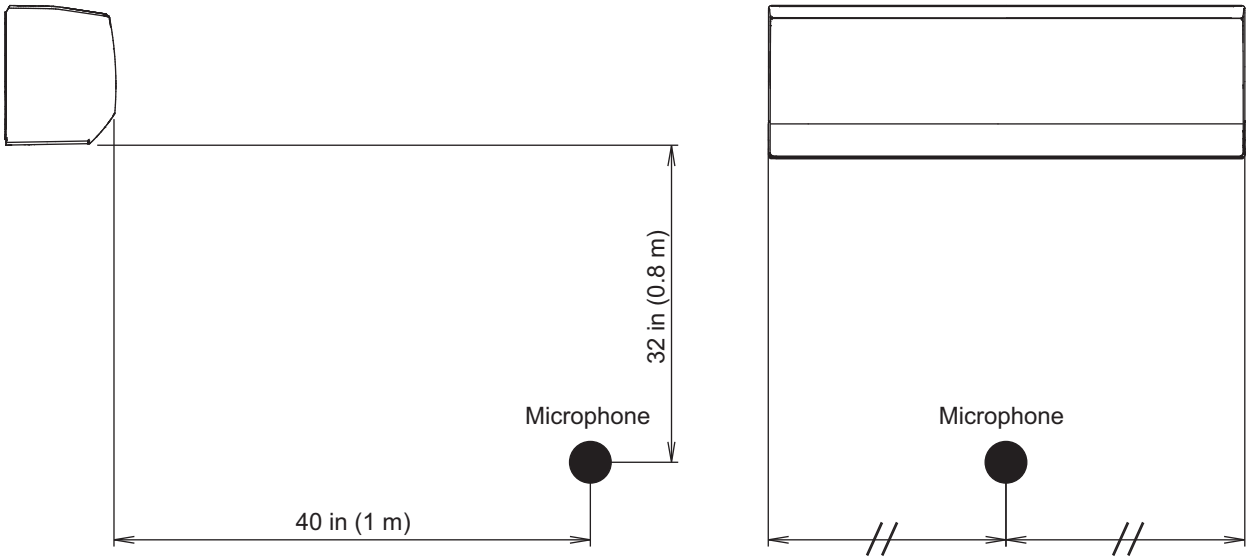
■ Slim duct type



Side view

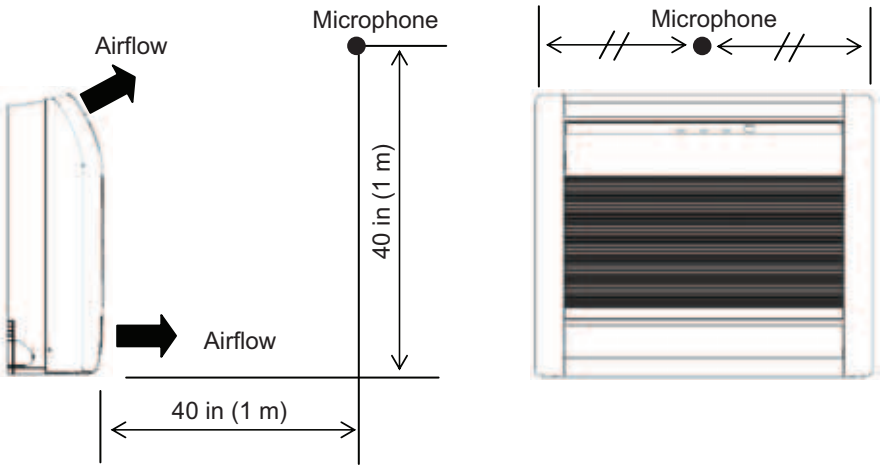
Front view

■ Wall mounted type



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

■ Floor type



MULTI TYPE
2, 3, 4 ROOMS TYPE

9. Electrical characteristics

		Power supply			Indoor rated	
Type	**Model name**	**Hz**	**Voltage (V)**	**MCA (A)**	**Input power (W)**	**FLA (A)**
Compact cassette	RICH07AVFJ	60	208 / 230	0.19 / 0.19	17 / 18	0.15 / 0.15
	RICH09AVFJ			0.19 / 0.19	17 / 18	0.15 / 0.15
	RICH12AVFJ			0.24 / 0.24	22 / 23	0.19 / 0.19
	RICH18AVFJ			0.41 / 0.38	38 / 39	0.32 / 0.30
Slim duct	RIDH07AVFJ			0.40 / 0.41	47 / 33	0.32 / 0.30
	RIDH09AVFJ			0.40 / 0.38	47 / 49	0.32 / 0.30
	RIDH12AVFJ			0.47 / 0.44	56 / 58	0.37 / 0.35
	RIDH18AVFJ			0.59 / 0.55	71 / 73	0.47 / 0.44
	RIDH24AVFJ			0.89 / 0.83	109 / 111	0.71 / 0.66
Wall mounted	UIWH07AVFJ			0.18 / 0.16	15 / 15	0.14 / 0.13
	UIWH09AVFJ			0.20 / 0.19	17 / 17	0.16 / 0.15
	UIWH12AVFJ			0.25 / 0.24	22 / 22	0.20 / 0.19
	UIWH15AVFJ			0.34 / 0.31	28 / 28	0.27 / 0.25
	UIWH18AVFJ			0.42 / 0.40	40 / 41	0.34 / 0.32
	UIWH24AVFJ			0.71 / 0.66	68 / 69	0.57 / 0.53
Floor	RIFH09AVFJ			0.36 / 0.33	35 / 32	0.29 / 0.26
	RIFH12AVFJ			0.36 / 0.33	35 / 32	0.29 / 0.26
	RIFH15AVFJ			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)

MULTI TYPE
2, 3, 4 ROOMS TYPE

10. Safety devices

Indoor unit type	Model name	PCB* fuse	Fan motor thermal protector	Terminal thermal fuse	Float switch
Compact cassette	RICH07AVFJ RICH09AVFJ RICH12AVFJ RICH18AVFJ	250 V, 3.15 A	Activate: 212 ± 27 °F (100 ± 15 °C) Fan motor stop Reset: 203 ± 18 °F (95 ± 10 °C) Fan motor restart	—	○
Slim duct	RIDH07AVFJ RIDH09AVFJ RIDH12AVFJ RIDH18AVFJ RIDH24AVFJ	250 V, 3.15 A	Activate: 275 ± 27 °F (135 ± 15 °C) Fan motor stop Reset: 239 ± 27 °F (115 ± 15 °C) Fan motor restart	—	○
Wall mounted	UIWH07AVFJ UIWH09AVFJ UIWH12AVFJ UIWH15AVFJ	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	—	—
	UIWH18AVFJ UIWH24AVFJ		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)	—
Floor	RIFH09AVFJ RIFH12AVFJ RIFH15AVFJ	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

MULTI TYPE
2, 3, 4 ROOMS TYPE

11. External input and output

Indoor unit type	External input	External output			
	Control input	Operation status output	Fresh air control output	Auxiliary heater output	Error status output
Compact cassette	●	●	●	—	—
Slim duct	●	●	●	●	—
Wall mounted	●	●	—	—	● (UIWH07/09/12/15AVFJ)
Floor	●	●	—	—	●

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.

■ Control input (Operation/Stop or Forced stop)

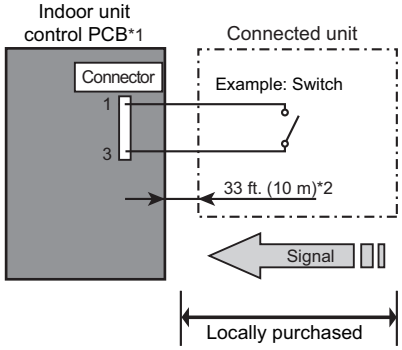
Indoor unit type		Connector
Compact cassette		CN102
Slim duct		CN102
Wall mounted	UIWH07AVFJ, UIWH09AVFJ, UIWH12AVFJ, UIWH15AVFJ	CNA01
	UIWH18AVFJ, UIWH24AVFJ	CN14
Floor		CN14

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 commercial on/off switch to a connector on the external control PCB and turning it on.

Unit operation	Initial setting after power is on	Starting mode other than initial setting
Operation mode	Auto changeover	Mode at previous operation
Set temperature	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

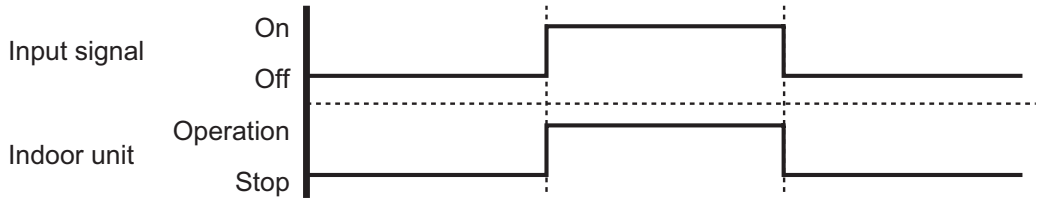


- Contact capacity: DC 24 V or more, 10 mA or more.
- *1: PCB of Communication kit is used for wall mounted (UIWH07AVFJ, UIWH09AVFJ, UIWH12AVFJ, and UIWH15AVFJ) type.
- *2: Make the distance from the PCB to the connected unit within 33 ft (10 m).
- Use non-polar relays and switches.

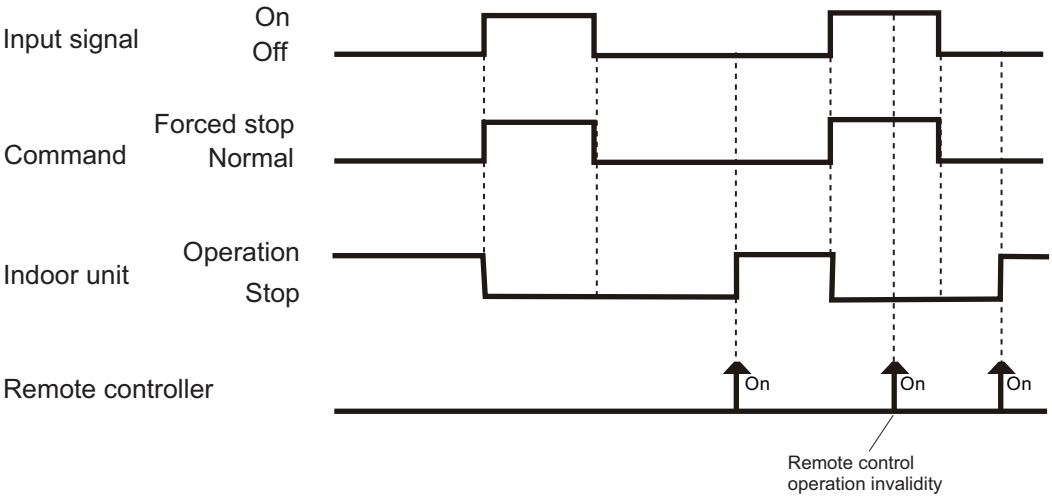
MULTI TYPE
2, 3, 4 ROOMS TYPE

Indoor unit type	1-pin (Polarity)	3-pin (Polarity)
Compact cassette	-	+
Slim duct	-	+
Wall mounted	-	+
Floor	-	+

- When function setting is "Operation/Stop" mode

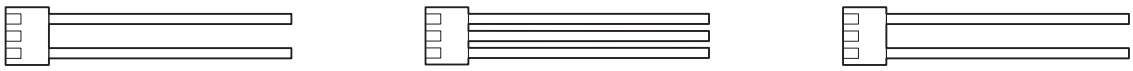


- When function setting is "Forced stop" mode



● Optional part

Indoor unit type		Part name	Model name
Compact cassette		External connect kit	RXXWZX
Slim duct			RXECS5A
Wall mounted	UIWH07AVFJ, UIWH09AVFJ, UIWH12AVFJ, UIWH15AVFJ		RXXWZXZ5
	UIWH18AVFJ, UIWH24AVFJ		RXXWZX
Floor			RXXWZXZ5



RXXWZX RXECS5A RXXWZXZ5

Indoor unit type		Part name	Model name
Compact cassette		—	—
Slim duct		—	—
Wall mounted	UIWH07AVFJ, UIWH09AVFJ, UIWH12AVFJ, UIWH15AVFJ	Communication kit	RXXCBXZ2
	UIWH18AVFJ, UIWH24AVFJ	—	—
Floor		—	—

*For operating the external input function, the wall mounted (UIWH07AVFJ, UIWH09AVFJ, UIWH12AVFJ, and UIWH15AVFJ) type requires optional communication kit (RXXCBXZ2) in addition to the wire (RXXWZXZ5).

MULTI TYPE
2, 3, 4 ROOMS TYPE

11-2. External output

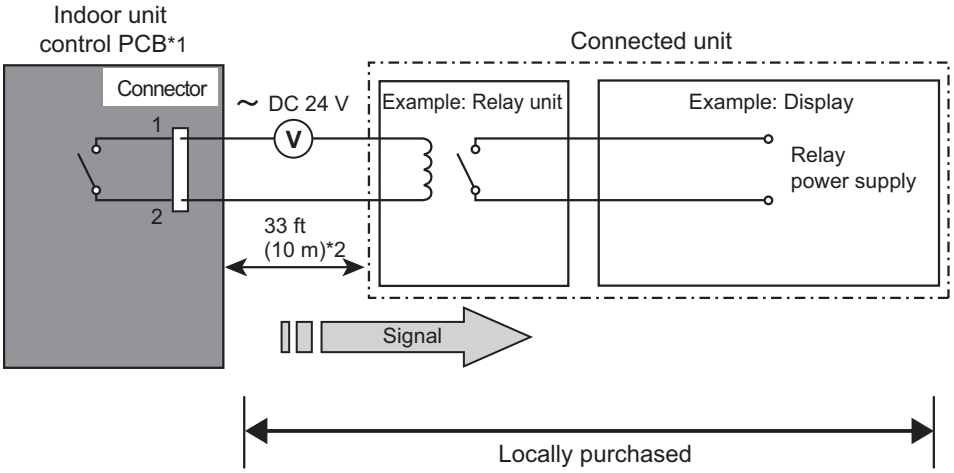
Use an external output cable with appropriate external dimension, depending on the number of cables to be installed.

■ Operation status output

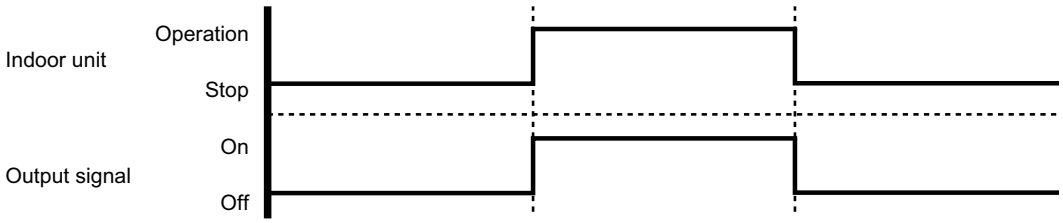
Indoor unit type		Connector
Compact cassette		CN103
Slim duct		CN103
Wall mounted	UIWH07AVFJ, UIWH09AVFJ, UIWH12AVFJ, UIWH15AVFJ	CNB01
	UIWH18AVFJ, UIWH24AVFJ	CN16
Floor		CN20

Air conditioner operation status signal can be output.

● Circuit diagram example



- *1: PCB of Communication kit is used for wall mounted (UIWH07AVFJ, UIWH09AVFJ, UIWH12AVFJ, and UIWH15AVFJ) type.
- *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.



MULTI TYPE
2, 3, 4 ROOMS TYPE

● Optional part

Indoor unit type		Part name	Model name
Compact cassette		External connect kit	RXXWZX
Slim duct			RXECS5A
Wall mounted	UIWH07AVFJ, UIWH09AVFJ, UIWH12AVFJ, UIWH15AVFJ		RXXWZXZ5
	UIWH18AVFJ, UIWH24AVFJ		RXXWZX
Floor			RXXWZXZ5

Indoor unit type		Part name	Model name
Compact cassette		—	—
Slim duct		—	—
Wall mounted	UIWH07AVFJ, UIWH09AVFJ, UIWH12AVFJ, UIWH15AVFJ	Communication kit	RXXCBXZ2
	UIWH18AVFJ, UIWH24AVFJ	—	—
Floor		—	—

*For operating the external output function, the wall mounted type (UIWH07AVFJ, UIWH09AVFJ, UIWH12AVFJ, and UIWH15AVFJ) requires optional Communication kit (RXXCBXZ2) in addition to the wire (RXXWZXZ5).

MULTI TYPE
2, 3, 4 ROOMS TYPE

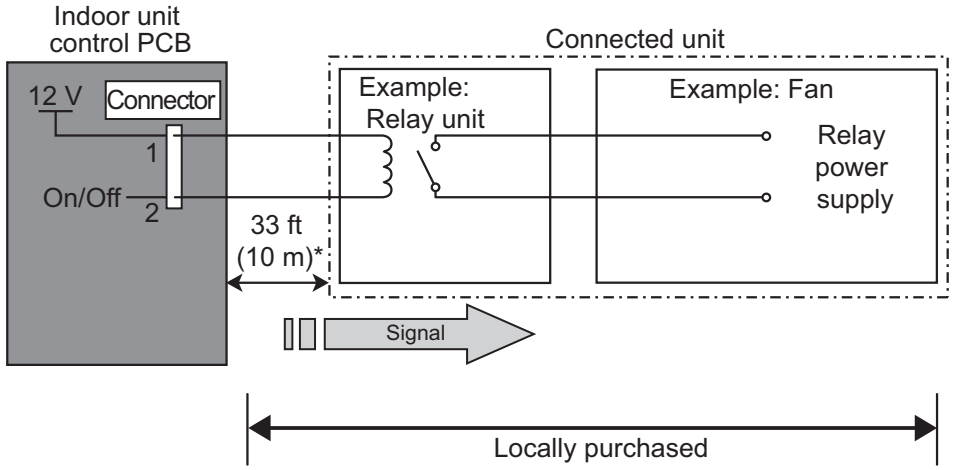
■ Fresh air control output

Indoor unit type	Connector
Compact cassette	CN6
Slim duct	
Wall mounted	—
Floor	—

Signal linked to air conditioner indoor fan on can be output.

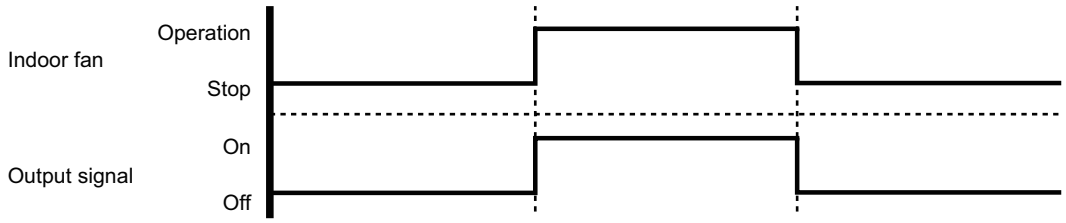
* However, signal becomes off during cold air prevention control operation.

- **Circuit diagram example**



– *: Make the distance from the PCB to the connected unit within 33 ft (10 m).

– Relay spec.: Rated DC 12 V, 50 mA to less.



- **Optional part**

Indoor unit type	Part name	Model name
Compact cassette	Fresh air intake kit	RXVXAA
Slim duct	External control set	RXECS5A
Wall mounted	—	—
Floor	—	—

MULTI TYPE
2, 3, 4 ROOMS TYPE

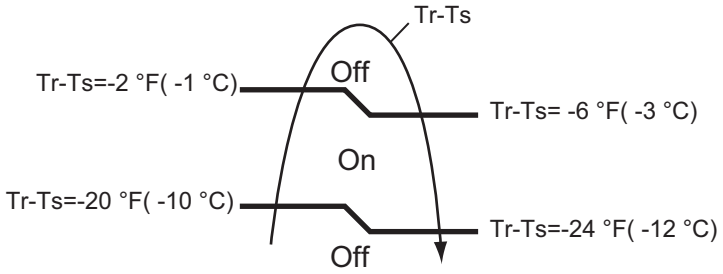
■ Auxiliary heater output

Indoor unit type	Connector
Compact cassette	—
Slim duct	CN10
Wall mounted	—
Floor	

Signal is output from connector when indoor fan and compressor turn on under heating operation.
*Signal output performance specifications are as shown as follows:

Example: When Set Temperature (Ts) is 72 °F(22 °C)

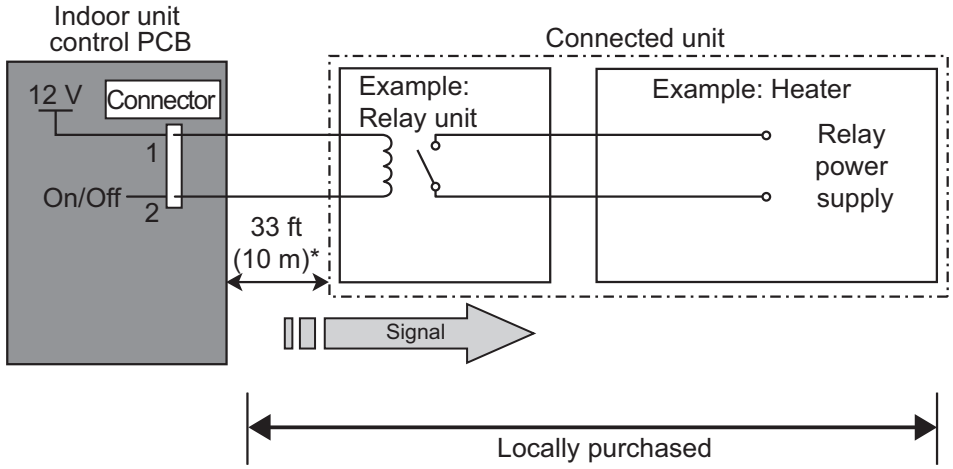
- and room temperature (Tr) increase above 52 °F(12 °C), signal output is on.
- and room temperature (Tr) increase above 70 °F(21 °C), signal output is off.
- and room temperature (Tr) decrease below 66 °F(19 °C), signal output is on.
- and room temperature (Tr) decrease below 48 °F(10 °C), signal output is off.



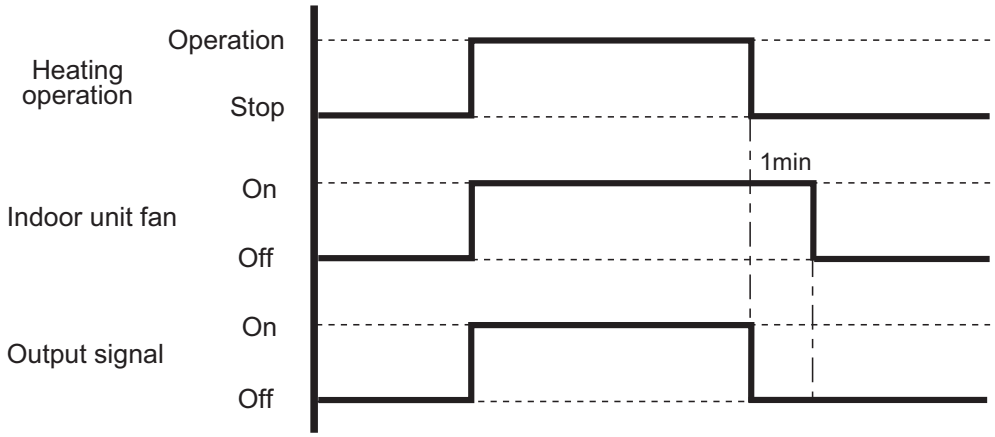
- **Fan delay setting (JM3)**
  This is used to continue indoor unit fan operation for 1 minute after thermostat "Off" in heating mode.
  1 minute delay control set by cutting jumper wire on PCB (For details, refer to "Function settings" on page 102).

MULTI TYPE
2, 3, 4 ROOMS TYPE

- **Circuit diagram example**

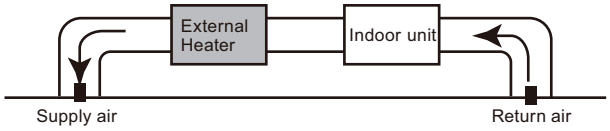


– Relay spec.: Rated DC 12 V, 50 mA to less.
– *: Make the distance from the PCB to the connected unit within 33 ft (10 m).



⚠ CAUTION

- Locate an external heater between the indoor unit and the outlet.



- Be sure to use delay control of a fan.

- **Optional part**

Indoor unit type	Part name	Model name
Compact cassette	—	—
Slim duct	External control set	RXECS5A
Wall mounted	—	—
Floor	—	—

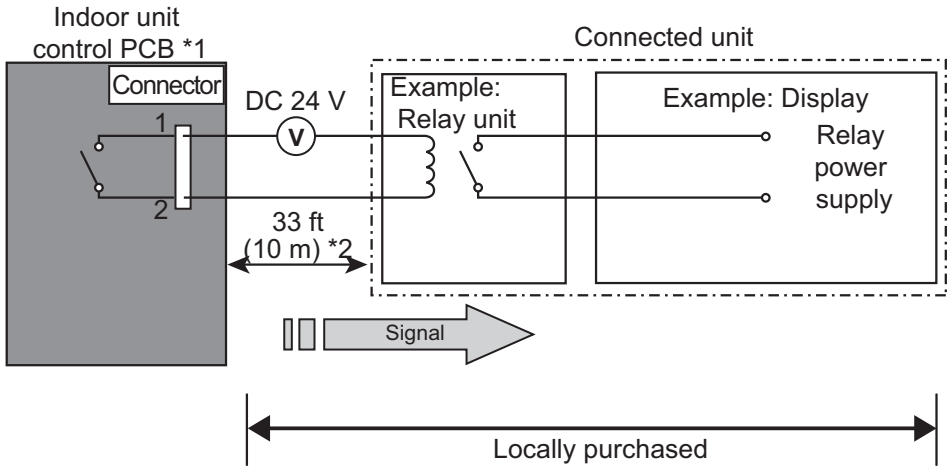
MULTI TYPE
2, 3, 4 ROOMS TYPE

■ Error status output

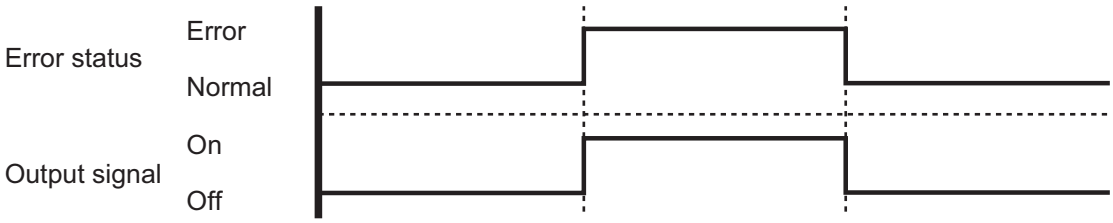
Indoor unit type		Connector
Compact cassette		—
Slim duct		—
Wall mounted	UIWH07AVFJ, UIWH09AVFJ, UIWH12AVFJ, UIWH15AVFJ	CNB02
	UIWH18AVFJ, UIWH24AVFJ	—
Floor		CN21

Air conditioner error status signal can be output.

● Circuit diagram example

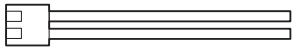


- *1: PCB of Communication kit is used for wall mounted (UIWH07AVFJ, UIWH09AVFJ, UIWH12AVFJ, and UIWH15AVFJ) type.
- *2: Make the distance from the PCB to the connected unit within 33 ft (10 m).
- Relay spec.: Max. DC 24 V, 10 mA to less than 500 mA.



● Optional part

Indoor unit type		Part name	Model name
Compact cassette		—	—
Slim duct		—	—
Wall mounted	UIWH07AVFJ, UIWH09AVFJ, UIWH12AVFJ, UIWH15AVFJ	External connect kit	RXXWZXZ5
	UIWH18AVFJ, UIWH24AVFJ	—	—
Floor		External connect kit	RXXWZXZ5



MULTI TYPE
2, 3, 4 ROOMS TYPE

Indoor unit type		Part name	Model name
Compact cassette		—	—
Slim duct		—	—
Wall mounted	UIWH07AVFJ, UIWH09AVFJ, UIWH12AVFJ, UIWH15AVFJ	Communication kit	RXXCBXZ2
	UIWH18AVFJ, UIWH24AVFJ	—	—
Floor		—	—

*For operating the external input function, the wall mounted (UIWH07AVFJ, UIWH09AVFJ, UIWH12AVFJ, and UIWH15AVFJ) type requires Communication kit (RXXCBXZ2) in addition to the wire (RXXWZXZ5).

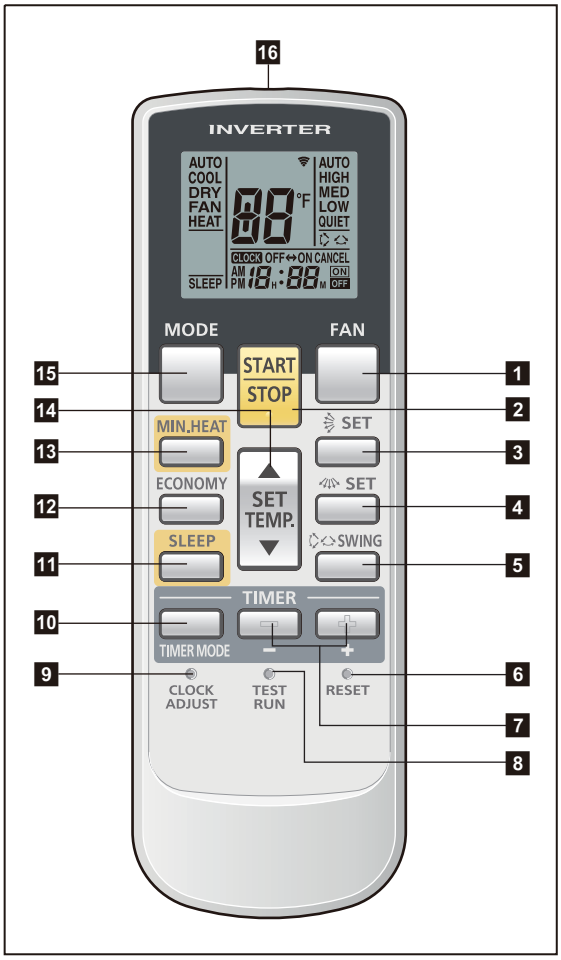
MULTI TYPE
2, 3, 4 ROOMS TYPE

12. Remote controller

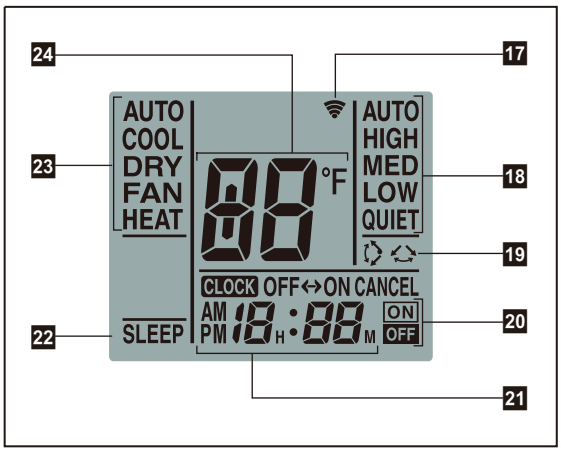
12-1. Wireless remote controller (for UIWH18/24AVFJ)

■ Overview

● AR-RAH2U



Display panel



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

1 FAN button
Selects the fan speed (AUTO, HIGH, MED, LOW, and QUIET).

2 START/STOP button
Starts and stops operation.

3 SET button (vertical)
Adjusts the vertical airflow direction.

4 SET button (horizontal)
Adjusts the horizontal airflow direction.

5 SWING button
Sets the automatic swing operation and selects swing mode (Up/down, Left/right, Up/down/left/right, and Stop swing).

6 RESET button
Used when replacing batteries.

7 Timer set (- / +) button
Sets the current time and on-off time.

8 TEST RUN button
Only used for the initial test in the unit installation.

9 CLOCK ADJUST button
Used for adjusting the clock.

10 TIMER MODE button
Selects the timer mode (off timer, on timer, program timer, and timer reset).

11 SLEEP button
Pressed to select sleep timer.

12 ECONOMY button

13 MIN. HEAT button

14 SET TEMP. (temperature) (▲ / ▼) button
- Sets desired temperature.
- Sets remote controller custom code.

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

16 Signal transmitter

17 Signal transmit indicator

18 Fan speed indicator

19 Swing indicator

20 Timer mode indicator

21 Clock indicator

22 Sleep indicator

23 Operating mode indicator

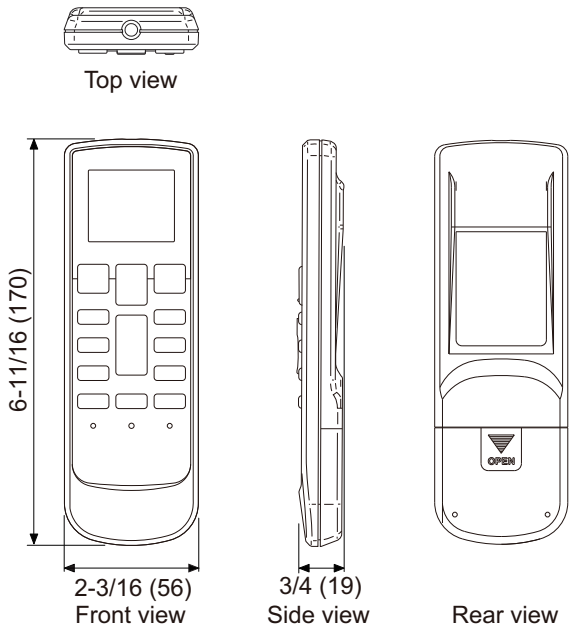
24 Temperature indicator

MULTI TYPE
2, 3, 4 ROOMS TYPE

■ Specifications

● Controller

Unit: in (mm)

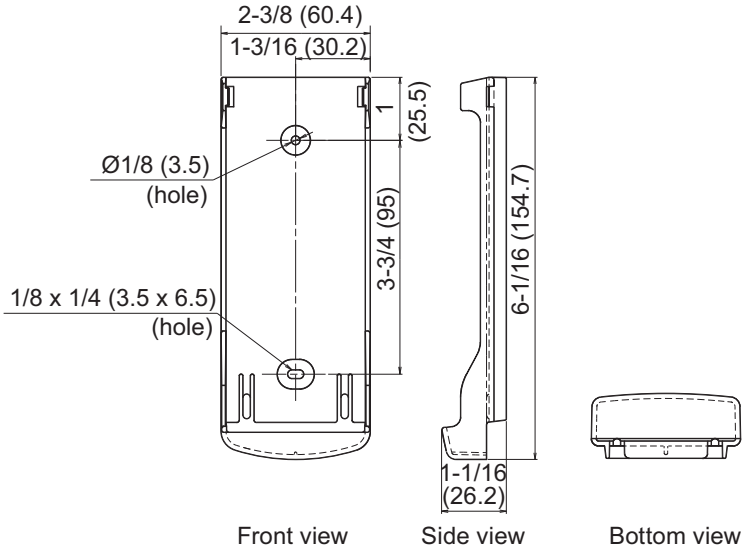


Size (H × W × D)	in (mm)	6-11/16 × 2-3/16 × 3/4 (170 × 56 × 19)
Weight	oz (g)	3 (85) (without batteries)

NOTE: Actual number of buttons might be different from the figure above.

● Holder

Unit: in (mm)



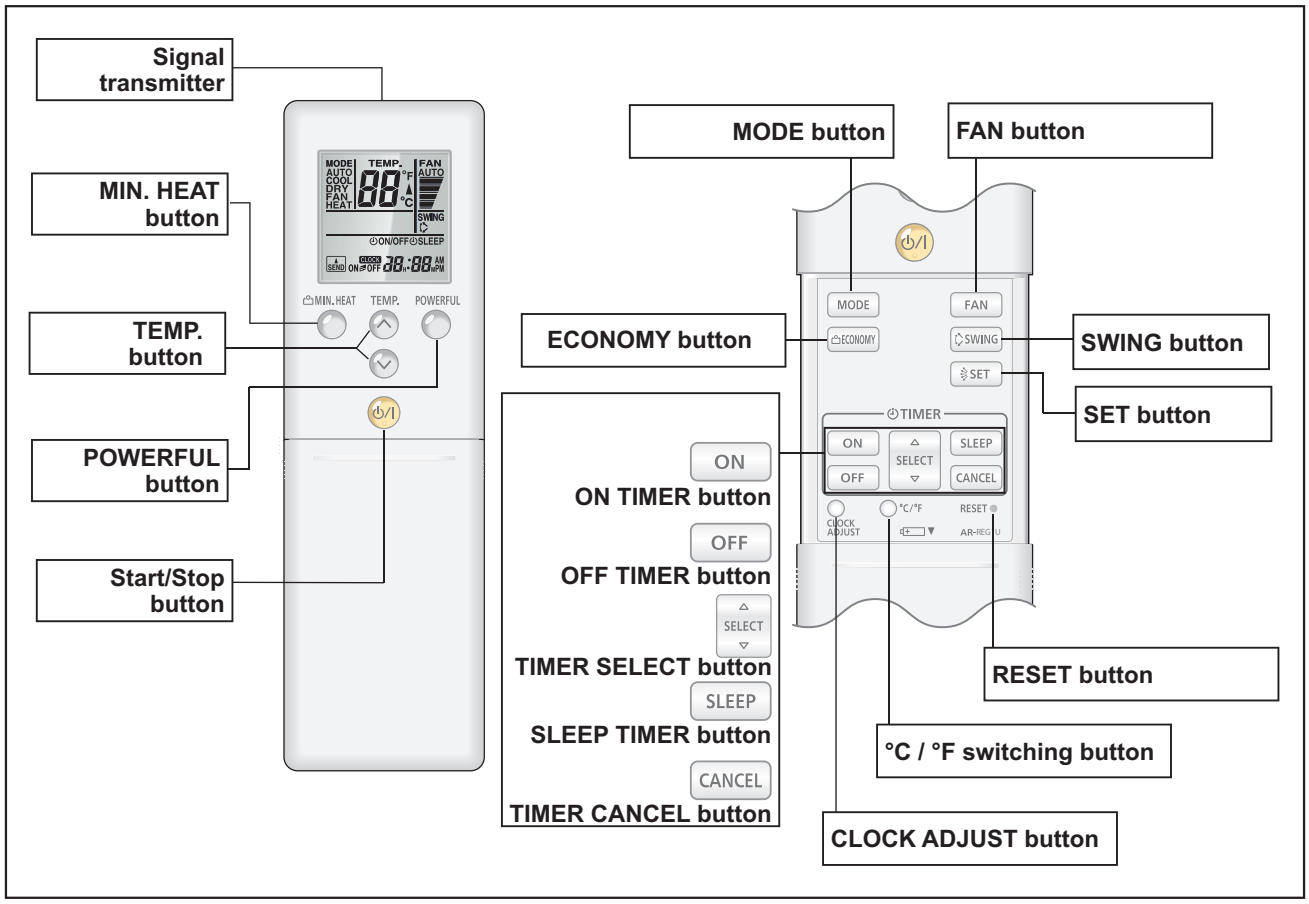
Size (H × W × D)	in (mm)	6-1/16 × 2-3/8 × 1-1/16 (154.7 × 60.4 × 26.2)
Weight	oz (g)	1 (28)

MULTI TYPE
2, 3, 4 ROOMS TYPE

12-2. Wireless remote controller (for UIWH07/09/12/15AVFJ and Floor type)

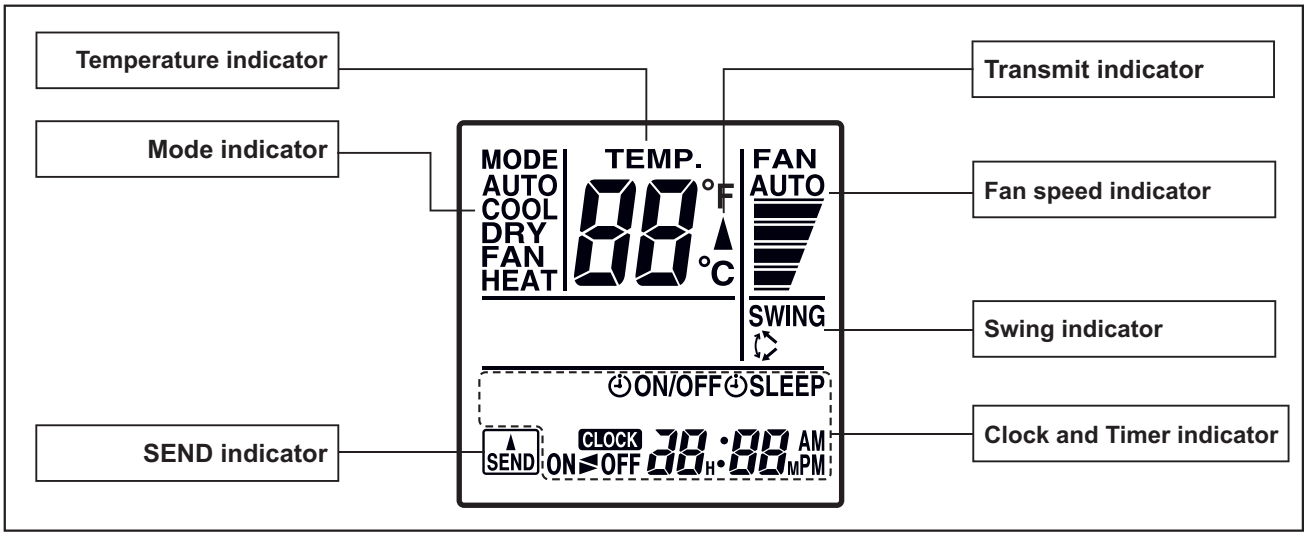
■ Overview

- **AR-REG1U**



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

Display panel



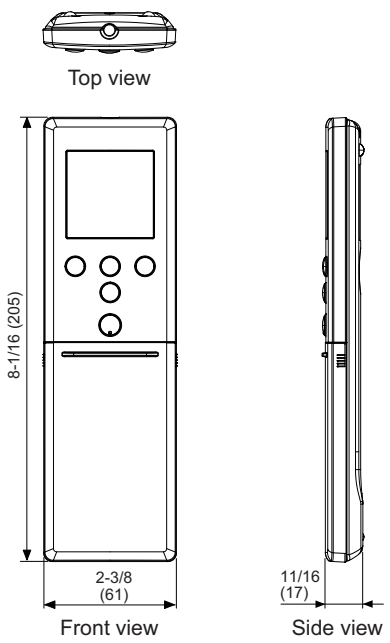
To facilitate explanation, the accompanying illustration has been drawn to show all possible indicators; in actual operation, however, the display will only show those indicators appropriate to the current operation.

MULTI TYPE
2, 3, 4 ROOMS TYPE

■ Specifications

● Controller

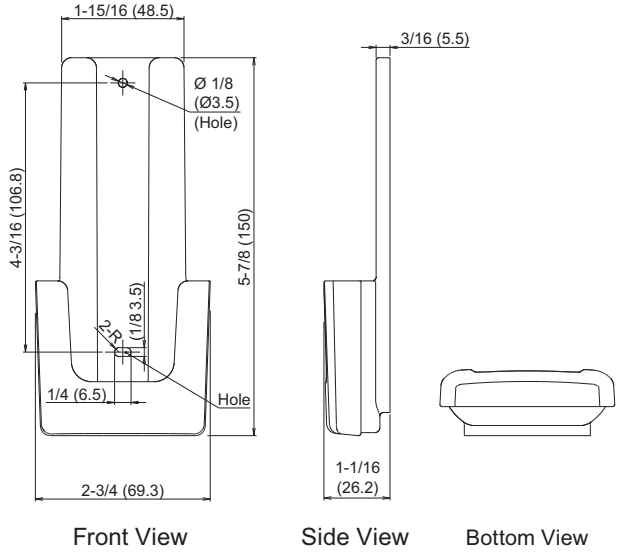
Unit: in (mm)



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)

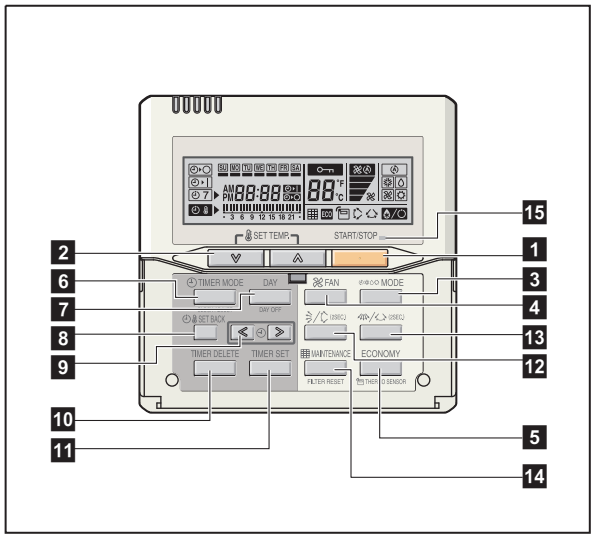


Size (H × W × D)	in (mm)	5-7/8 × 2-3/4 × 1-1/16 (150 × 69.3 × 26.2)
Weight	oz (g)	1 (27)

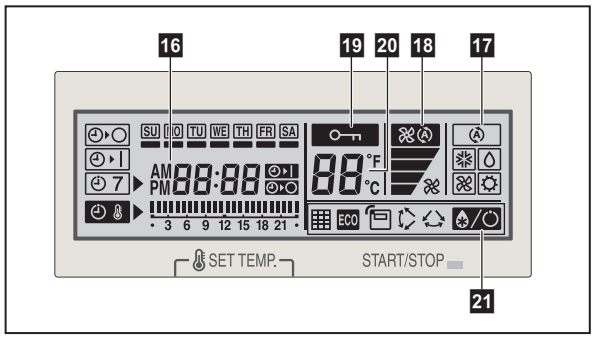
MULTI TYPE
2, 3, 4 ROOMS TYPE

12-3. Wired remote controller (UXRNNUM)

■ Overview



Display panel



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

1 START/STOP button
Starts and stops operation.

2 SET TEMP. button
Selects the setting temperature.

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

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

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

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

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

8 SET BACK button
Selects the set back timer.

9 Set time button
Pressed to set time.

10 TIMER DELETE button
Deletes the weekly timer schedule.

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

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

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

14 FILTER RESET button

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

16 Timer and clock indicator

17 Operation mode indicator

18 Fan speed indicator

19 Operation lock indicator

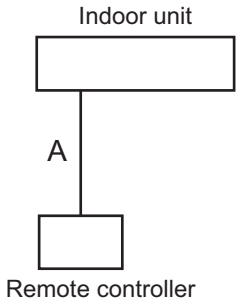
20 Temperature indicator

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

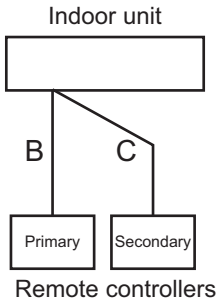
MULTI TYPE
2, 3, 4 ROOMS TYPE

■ System diagram

1 remote controller:



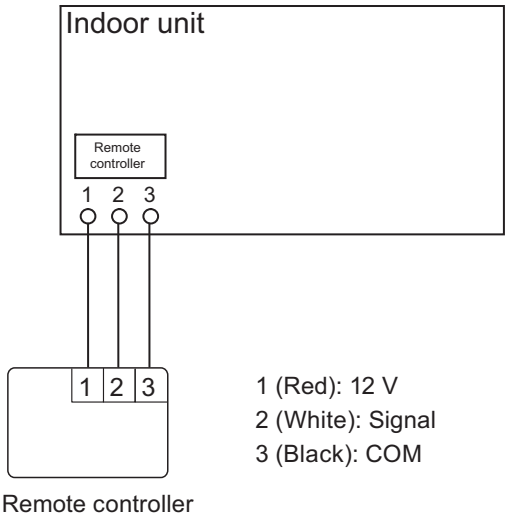
2 remote controllers:



A, B, C: Remote controller cable
A ≤ 1,640 ft (500 m);B + C ≤ 1,640 ft (500 m)

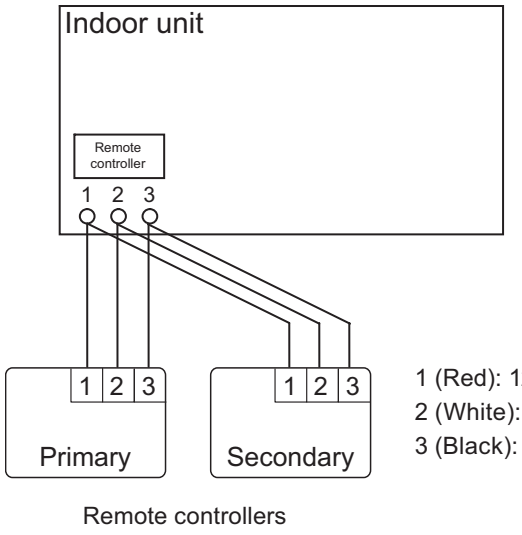
■ Electrical wiring

1 remote controller:



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

2 remote controllers:

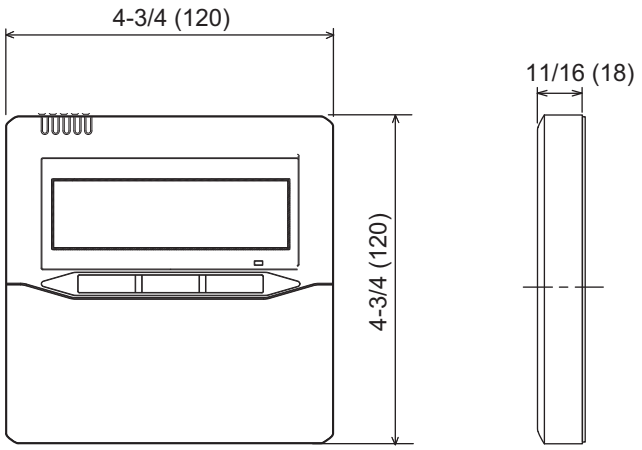


1 (Red): 12 V
2 (White): Signal
3 (Black): COM

■ 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

MULTI TYPE
2, 3, 4 ROOMS TYPE

● Wiring specifications

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

■ Installation

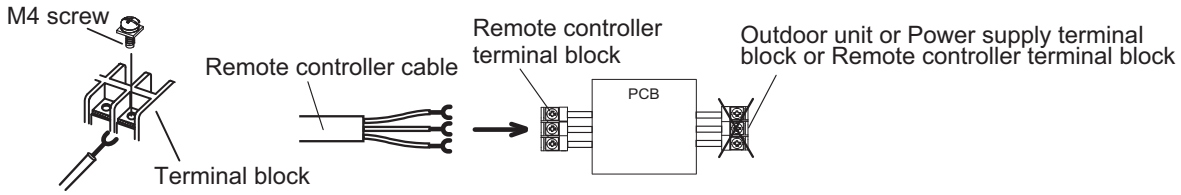
● Connection pattern

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

Indoor unit types		Connection pattern
Compact cassette type		Pattern A
Slim duct type		
Wall mounted type	UIWH07AVFJ, UIWH09AVFJ, UIWH12AVFJ, and UIWH15AVFJ	Pattern B
	UIWH18AVFJ and UIWH24AVFJ	Pattern C
Floor type		

● Pattern A

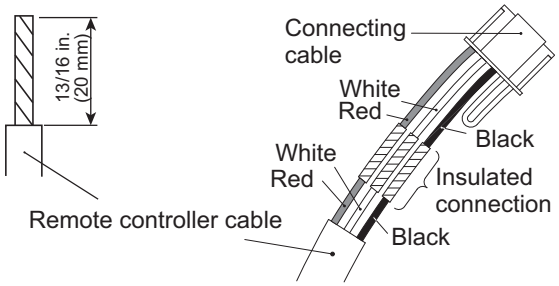
Connect the end of remote controller cable directly to the exclusive terminal block.



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

● Pattern B

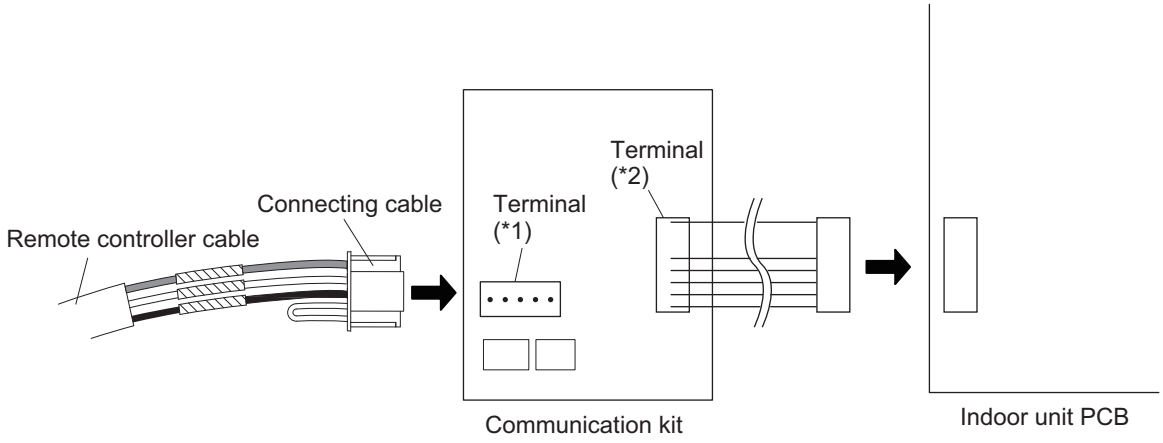
1. Modify the remote controller cable as follows:
   - Use a tool to cut off the terminal on the end of the remote controller cable and then remove the insulation from the cut end of the cable as shown in following figure.
   - Connect the remote controller cable and connecting cable as shown in following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



MULTI TYPE
2, 3, 4 ROOMS TYPE

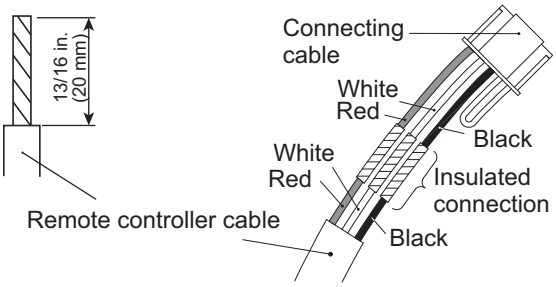
2. Connect the remote controller cable.
   - Connect the cable made in step 1. to the terminal (*1) of optional communication kit.
   - Connect the cable from the terminal (*2) of communication kit to the indoor unit PCB.

     *1: CNC01 (for UIWH07—15AVFJ: RXXCBXZ2)
     *2: CND01 (for UIWH07—15AVFJ: RXXCBXZ2)

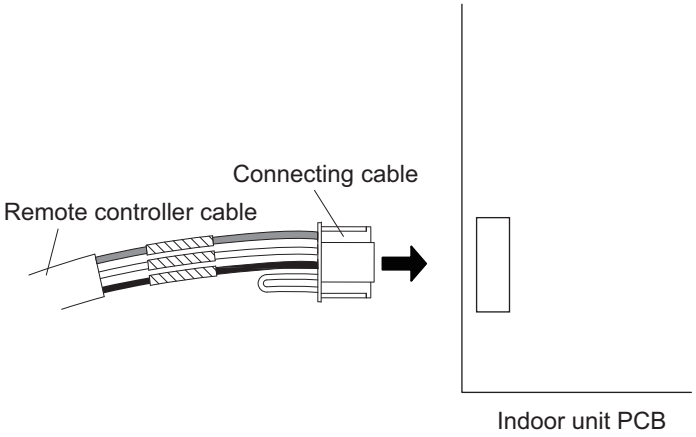


● Pattern C

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

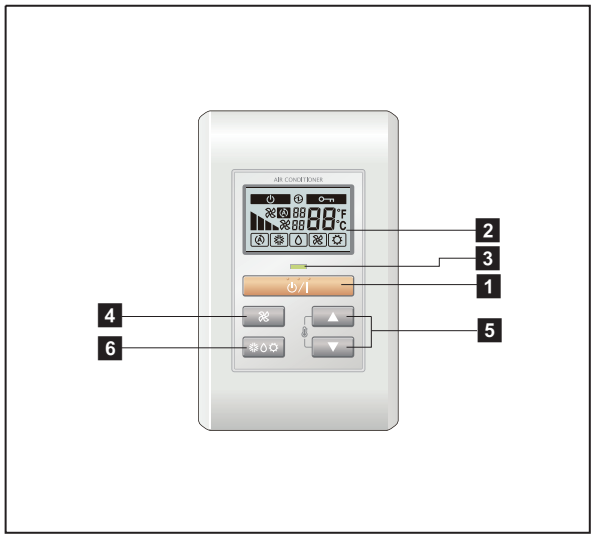
Wall mounted	Model name
UIWH07—15AVFJ	RXXCBXZ2

The communication kit is needed for connecting the wired remote controller to the wall mounted type.

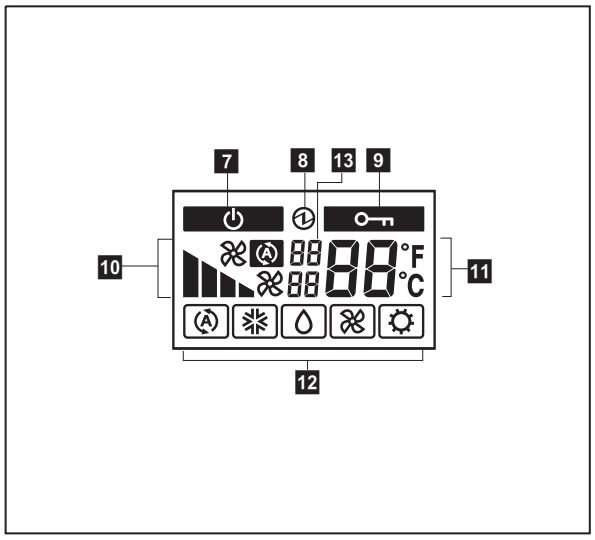
MULTI TYPE
2, 3, 4 ROOMS TYPE

12-4. Simple remote controller (UXRSNUM: 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

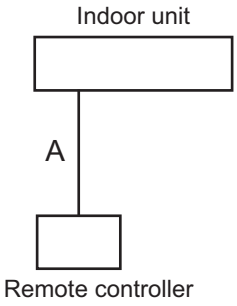
13 Indicator

- 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.

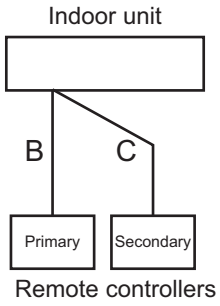
MULTI TYPE
2, 3, 4 ROOMS TYPE

■ System diagram

1 remote controller:



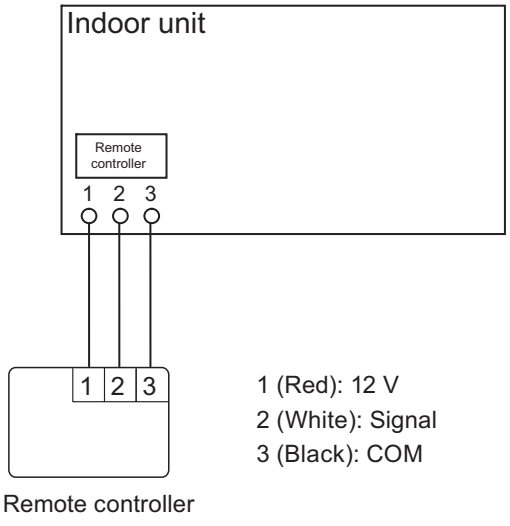
2 remote controllers:



A, B, C: Remote controller cable
A ≤ 1,640 ft (500 m);B + C ≤ 1,640 ft (500 m)

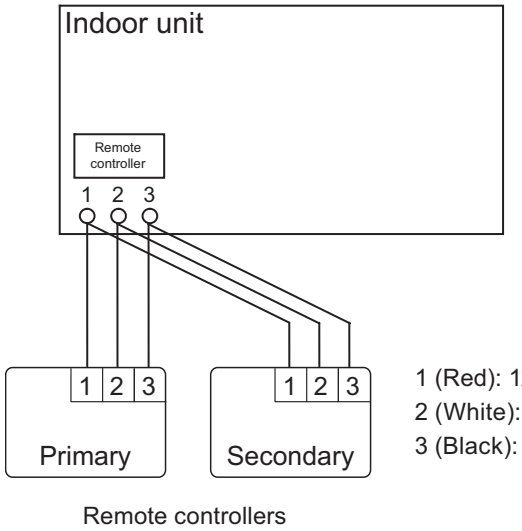
■ Electrical wiring

1 remote controller:



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

2 remote controllers:



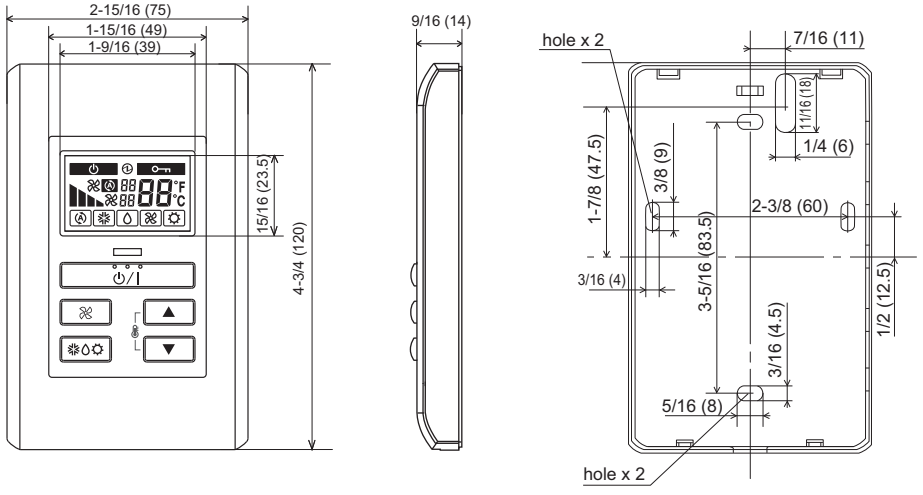
1 (Red): 12 V
2 (White): Signal
3 (Black): COM

MULTI TYPE
2, 3, 4 ROOMS TYPE

■ Specifications

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

Unit: in (mm)



Front View Side View Rear View

Size (H × W × D)	in (mm)	4-3/4 × 2-15/16 × 9/16 (120 × 75 × 14)
Weight	oz (g)	3.2 (90)
Cable length (accessory)	ft (m)	33 (10)
Power	V	12

● Wiring specifications

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

MULTI TYPE
2, 3, 4 ROOMS TYPE

■ Installation

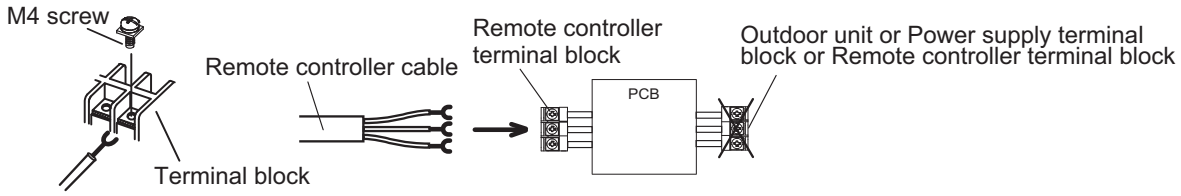
● Connection pattern

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

Indoor unit types		Connection pattern
Compact cassette type		Pattern A
Slim duct type		
Wall mounted type	UIWH07AVFJ, UIWH09AVFJ, UIWH12AVFJ, and UIWH15AVFJ	Pattern B
	UIWH18AVFJ and UIWH24AVFJ	Pattern C
Floor type		

● Pattern A

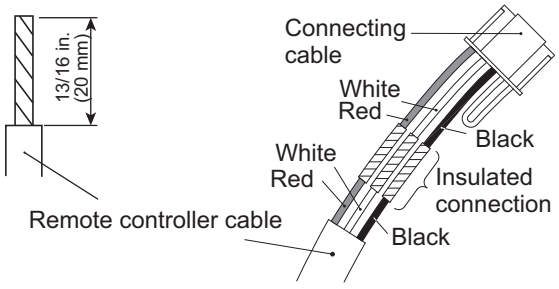
Connect the end of remote controller cable directly to the exclusive terminal block.



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

● Pattern B

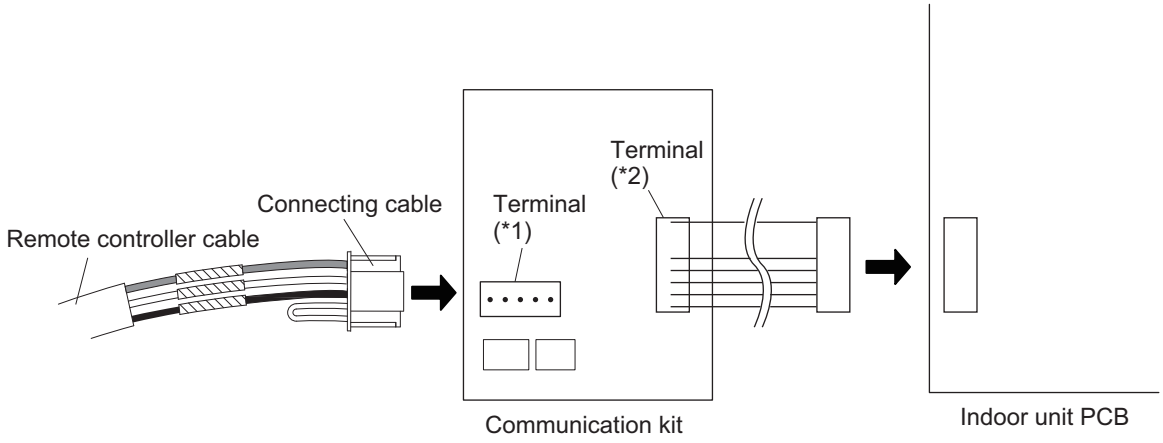
1. Modify the remote controller cable as follows:
   - Use a tool to cut off the terminal on the end of the remote controller cable and then remove the insulation from the cut end of the cable as shown in following figure.
   - Connect the remote controller cable and connecting cable as shown in following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



MULTI TYPE
2, 3, 4 ROOMS TYPE

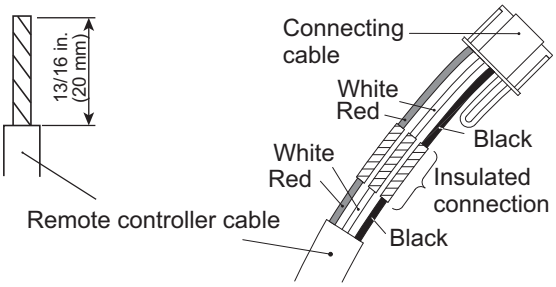
2. Connect the remote controller cable.
   - Connect the cable made in step 1. to the terminal (*1) of optional communication kit.
   - Connect the cable from the terminal (*2) of communication kit to the indoor unit PCB.

   *1: CNC01 (for UIWH07—15AVFJ: RXXCBXZ2)
   *2: CND01 (for UIWH07—15AVFJ: RXXCBXZ2)

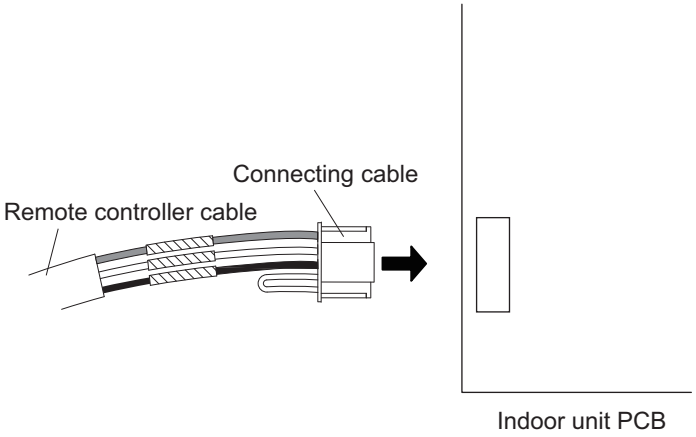


● Pattern C

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

Wall mounted	Model name
UIWH07—15AVFJ	RXXCBXZ2

The communication kit is needed for connecting the wired remote controller to the wall mounted type.

MULTI TYPE
2, 3, 4 ROOMS TYPE

13. Function settings

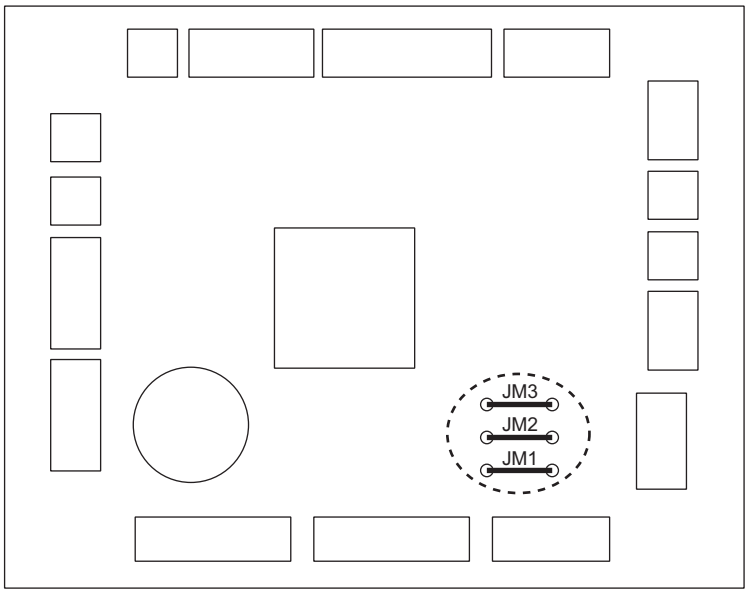
To adjust the functions of this product according to the installation environment, various types of function settings are available.

NOTE: Incorrect settings can cause a product malfunction.

13-1. Indoor unit (setting by jumper wire)

NOTE: This setting is necessary only for slim duct type.

■ Component location



■ Jumper wire setting

● Drainage function setting (JM1)

JM1	Function	Factory setting
Connect	Enable	♦
Disconnect	Disable	

● Auto louver grille setting (JM2)

When optional Auto louver grille kit is attached, set this setting to "Enable".

JM2	Function	Factory setting
Connect	Disable	♦
Disconnect	Enable	

● Fan delay setting (JM3)

JM3	Function	Factory setting
Connect	Disable	♦
Disconnect	Enable	

MULTI TYPE
2, 3, 4 ROOMS TYPE

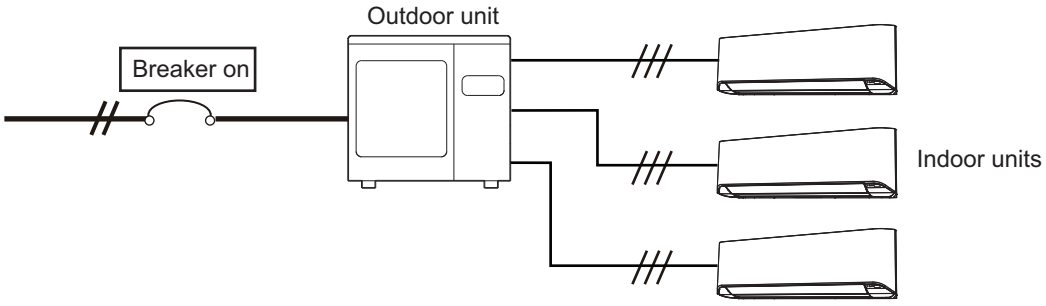
13-2. Indoor unit (setting by wireless remote controller)

- 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.

■ Preparation

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

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

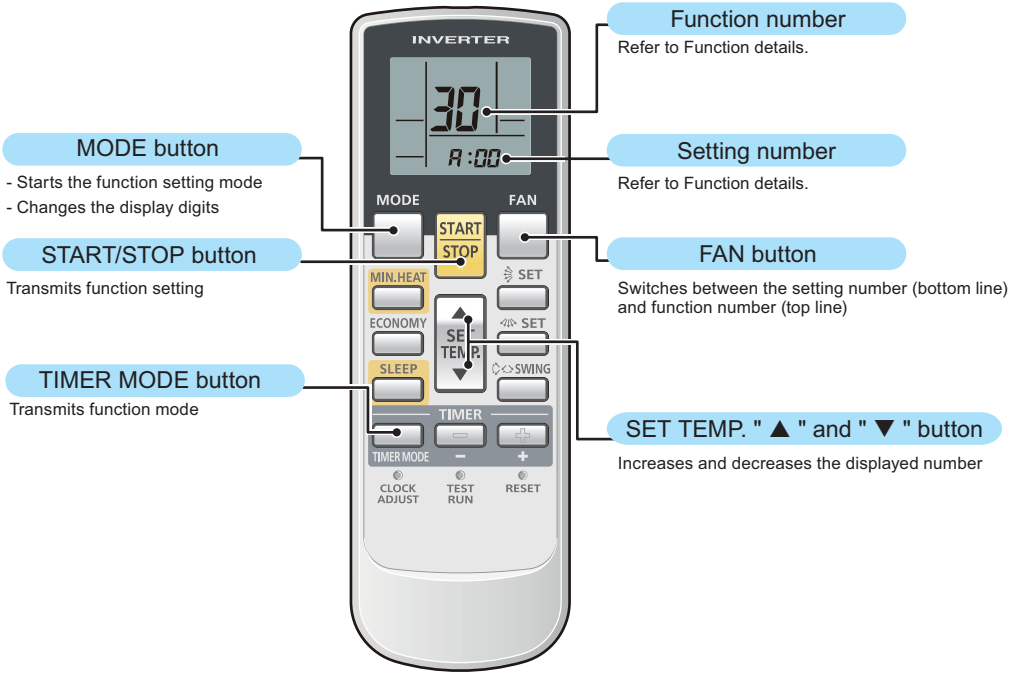


MULTI TYPE
2, 3, 4 ROOMS TYPE

■ Model: AR-RAH2U

● Button name and function

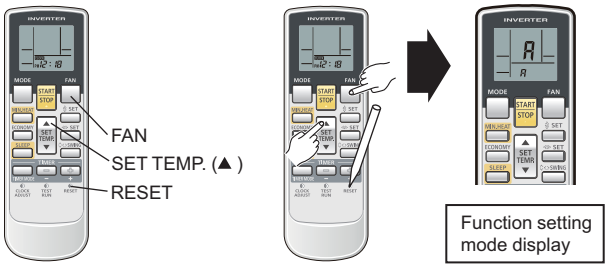
During address setting mode, indoor unit reject the any operation command from remote controller.



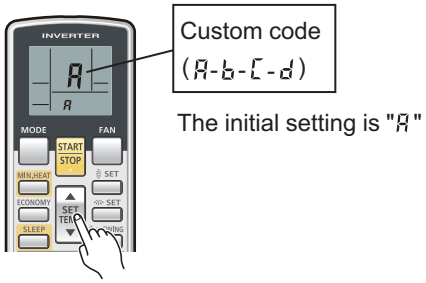
NOTE: Actual number of buttons might be different from the figures in following instructions.

● Function setting procedure

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

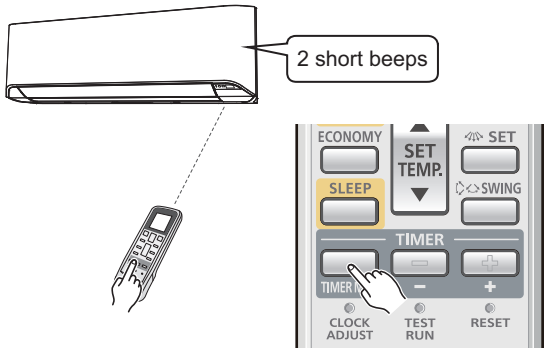


3. Press the SET TEMP.▲ or ▼ buttons to select the custom code that matches the setting with the indoor unit. By selecting the appropriate custom code, the communication between the indoor unit and the wireless remote controller become possible.

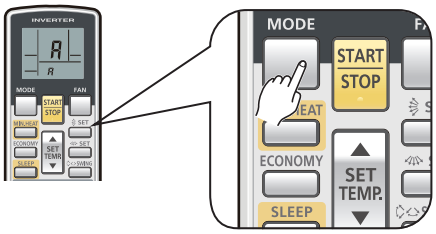


MULTI TYPE
2, 3, 4 ROOMS TYPE

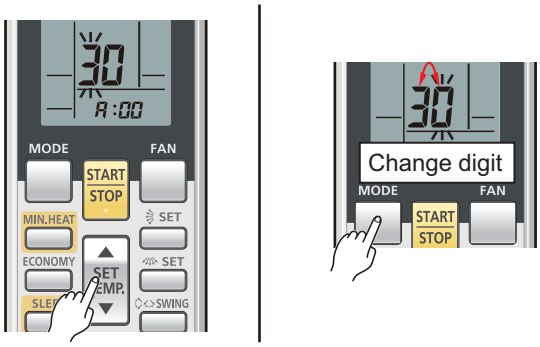
4. For confirming the custom code, press the TIMER MODE button to send the code to the indoor unit.



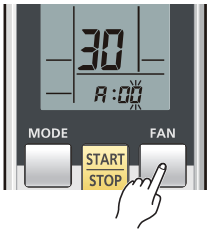
5. Press the MODE button to enter the function setting mode.



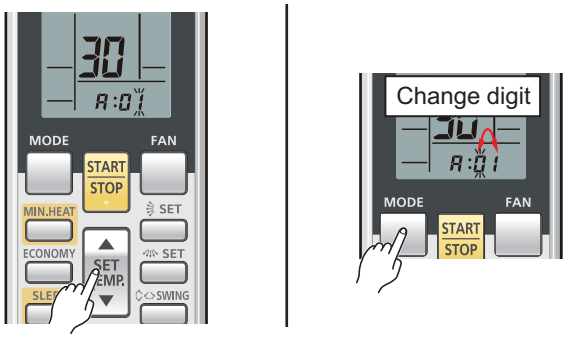
6. Select the function number by pressing the ▲ or the ▼ button.
Each time the MODE button is pressed, it switches between the left digit and the right digit.



7. Proceed to number setting by pressing the FAN button.
To return to the function number selection, press the FAN button again.

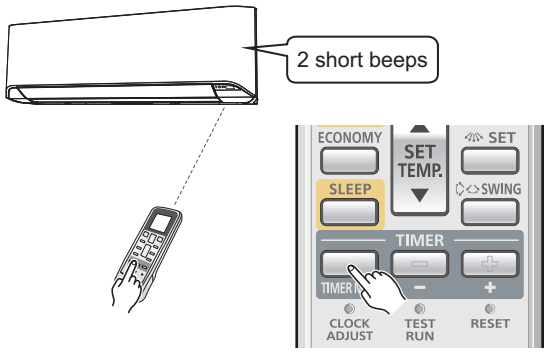


8. Select the setting number by pressing the ▲ or the ▼ button.
Each time the MODE button is pressed, it switches between the left digit and the right digit.

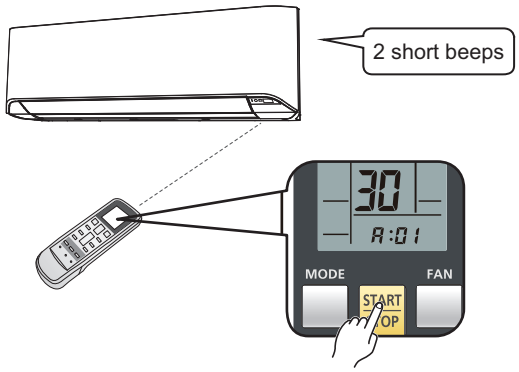


MULTI TYPE
2, 3, 4 ROOMS TYPE

9. Send the function mode information by pressing the TIMER MODE button once.



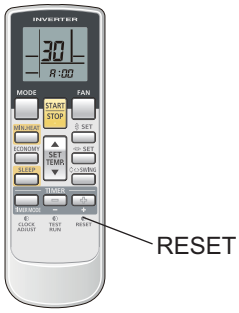
10. Send the function setting information by pressing the START/STOP button once.
2 short beeps will be emitted from the indoor unit when the signal is received correctly. If wrong code is set, no beep sound will be emitted.



NOTE: Press START/STOP button within 30 seconds after pressing TIMER MODE button.

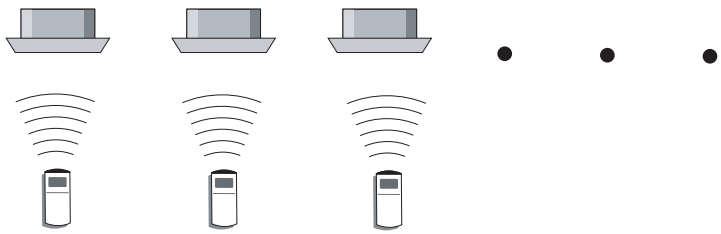
Function details: Refer to Chapter 13-5. "Function details" on page 123.

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



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

● Setting up each indoor unit



Repeat step from 1. to 11. to set up each indoor unit. If the custom code is other than "A", steps from 1. to 4. and 11. need to be performed.

MULTI TYPE
2, 3, 4 ROOMS TYPE

● Resetting the power after setting up all indoor units

Important:

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

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

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

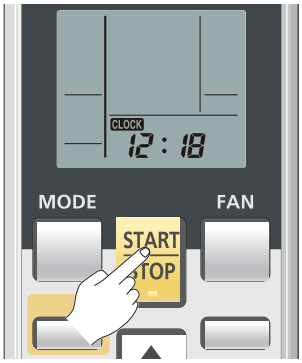
NOTE: If custom code other than "4" is set, the remote control must be set accordingly to the indoor unit setting.

MULTI TYPE
2, 3, 4 ROOMS TYPE

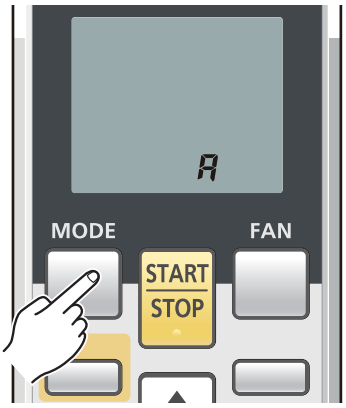
● Remote controller custom code setting

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

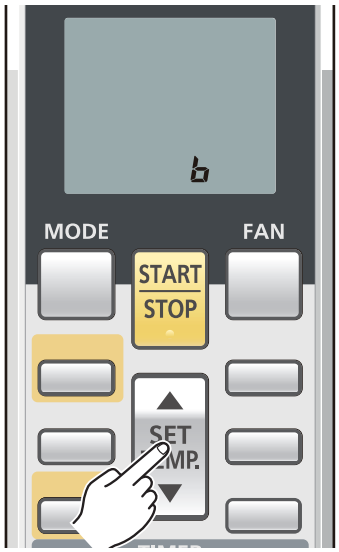
1. Press the START/STOP button until only the clock is displayed on the remote controller display.



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

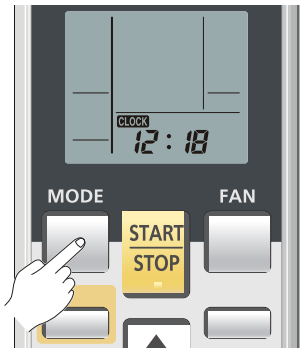


3. Press the SET TEMP. ▲ or the ▼ button to change the custom code between A →b →c →d.



MULTI TYPE
2, 3, 4 ROOMS TYPE

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



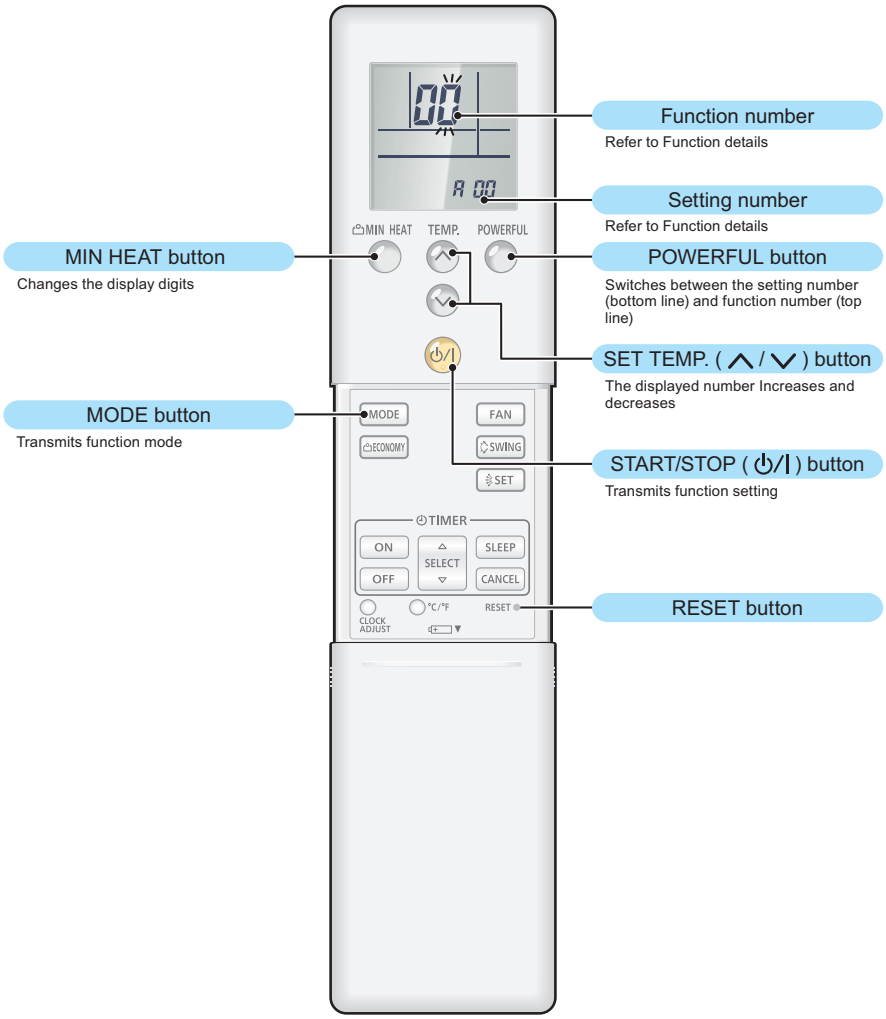
- If no buttons are pressed within 30 seconds after the custom code is displayed, the system returns to the original clock display. In this case, start again from step 1.
- The air conditioner custom code is set to A prior to shipment.
- The remote controller resets to custom code A when the batteries in the remote controller are replaced. If you use a custom code other than custom code 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 (A →b →c →d) until you find the code which operates the air conditioner.

MULTI TYPE
2, 3, 4 ROOMS TYPE

■ Model: AR-REG1U

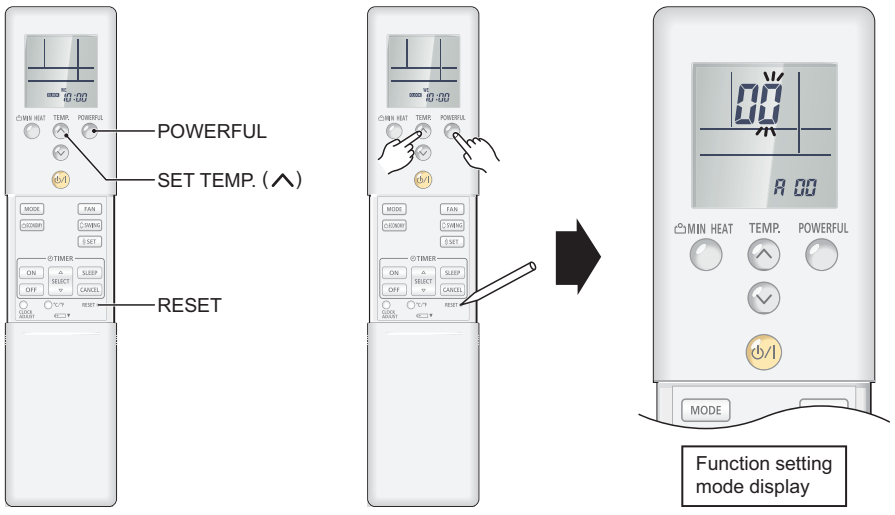
● Button name and function

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



● Function setting procedure

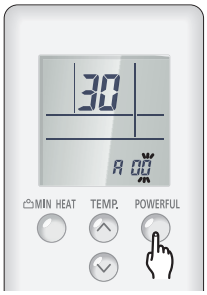
1. Connect the power supply of the outdoor unit.
2. To enter the function setting mode, while holding down the POWERFUL and SET TEMP. ∧ buttons, press the RESET button.



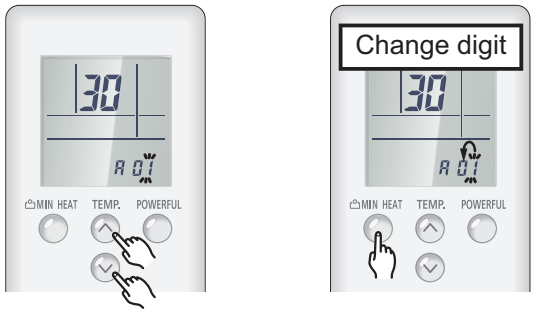
MULTI TYPE
2, 3, 4 ROOMS TYPE

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

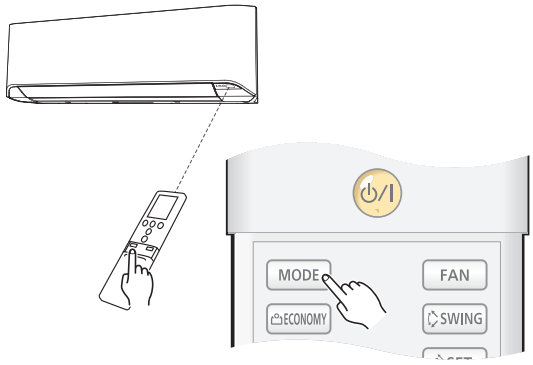
4. Proceed to the setting number by pressing the POWERFUL button. (To return to the function number selection, press the POWERFUL button again.)



5. Select the function number by pressing the ∧ or the ∨ button. Each time the MIN. HEAT button is pressed, it switches between the right digit and the left digit.

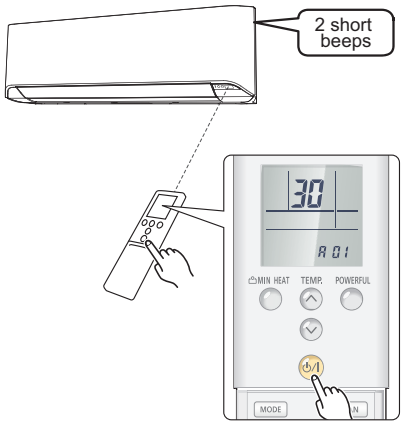


6. Press the MODE button once to transmit the function mode information.



MULTI TYPE
2, 3, 4 ROOMS TYPE

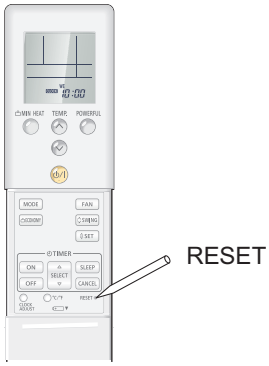
7. Press the ⏻/I button once to transmit the function setting information. 2 short beeps will be emitted from the indoor unit when the signal is received correctly. If wrong code is set, no beep sound will be emitted.



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

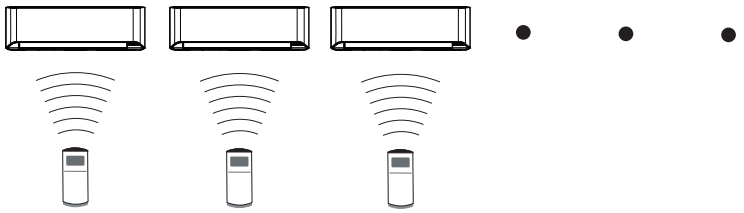
For the function details, refer to Chapter 13-5. "Function details" on page 123.

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



MULTI TYPE
2, 3, 4 ROOMS TYPE

● Setting up each indoor unit



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

● Resetting the power after setting up all indoor units

Important:

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

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

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

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

MULTI TYPE
2, 3, 4 ROOMS TYPE

● Remote controller custom code setting

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

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

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

3. Press the SET TEMP. " ∧ " or the " ∨ " button to change the custom code between A →b →c →d.

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

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

MULTI TYPE
2, 3, 4 ROOMS TYPE

● 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 set to “°F”.):

MULTI TYPE
2, 3, 4 ROOMS TYPE

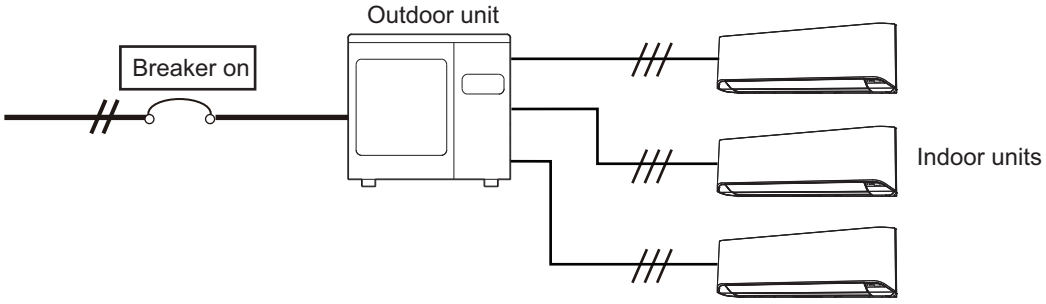
13-3. Indoor unit (setting by wired remote controller)

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

■ Preparation

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

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

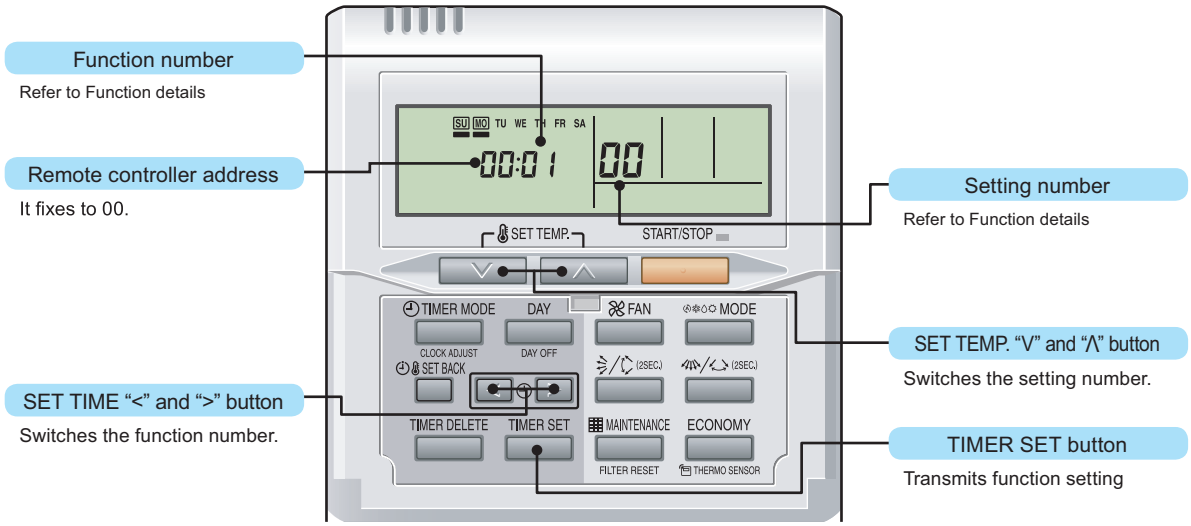


MULTI TYPE
2, 3, 4 ROOMS TYPE

■ Model: UXRNNUM

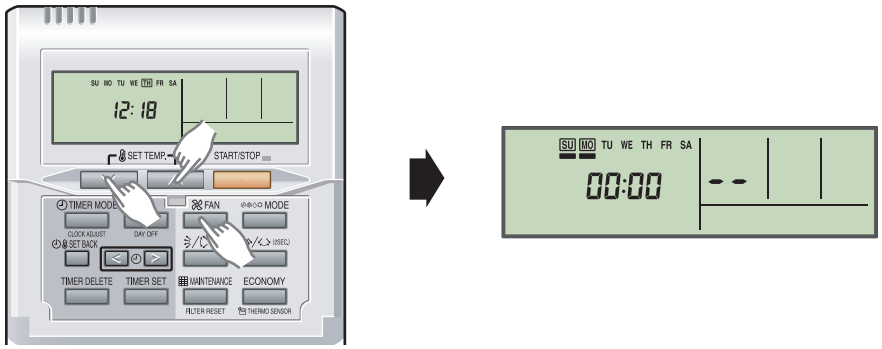
● Button name and function

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

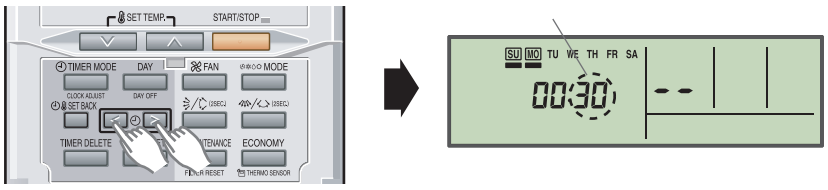


● Function setting procedure

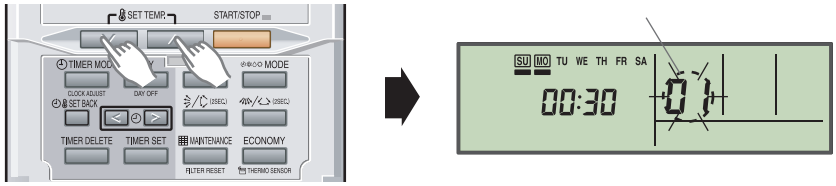
1. Connect the power supply of the outdoor unit.
2. Switch to the function setting mode.
   To enter the function setting mode, hold down the 3 buttons of SET TEMP. V, SET TEMP. Λ, and FAN at the same time for 5 seconds or longer.



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

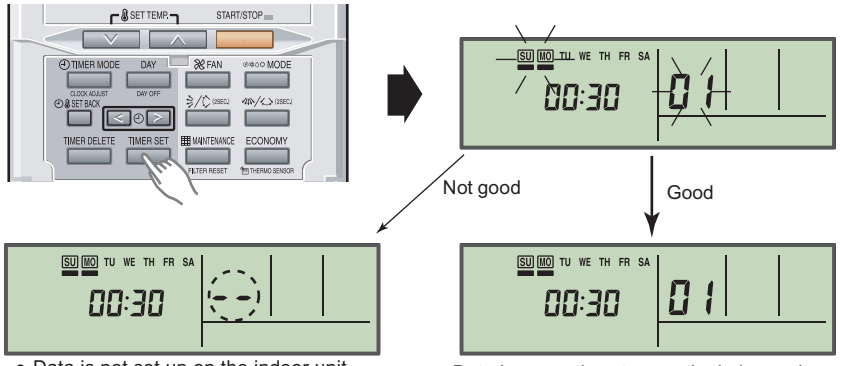


4. Select the setting number by pressing the SET TEMP. Λ or the SET TEMP. V button.
   The display flashes during setting number selection.



MULTI TYPE
2, 3, 4 ROOMS TYPE

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

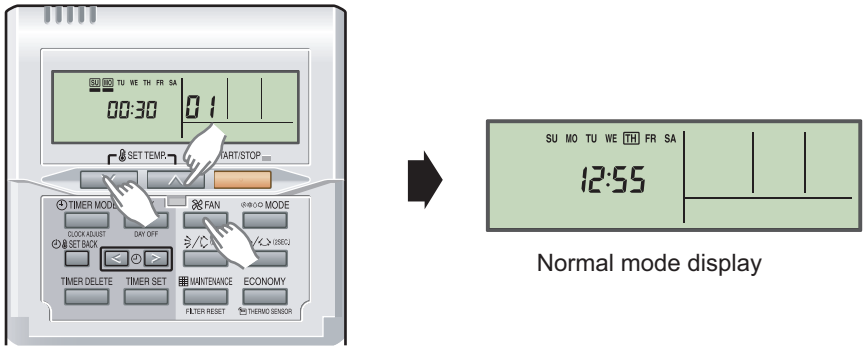


- Data is not set up on the indoor unit correctly (-- is displayed.)
- Set up the data again according to the procedure in step 5, 6 above.

Data is correctly set up on the indoor unit
(Flashing display changes to illuminated display.)

Function details: Refer to Chapter 13-5. "Function details" on page 123.

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



Normal mode display

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

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

● Setting up each indoor unit

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

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

NOTES:

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

MULTI TYPE
2, 3, 4 ROOMS TYPE

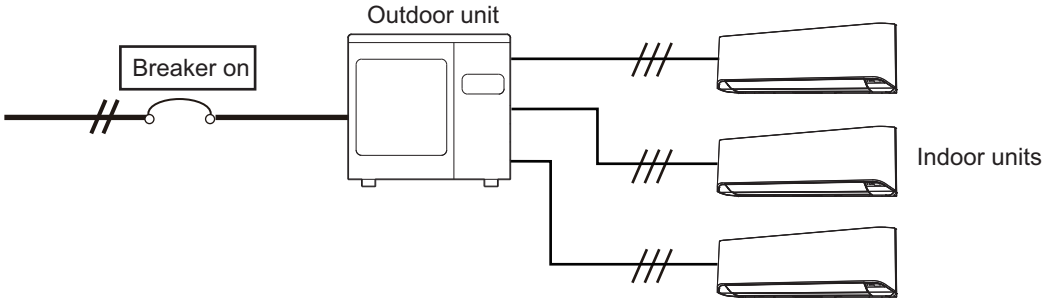
13-4. Indoor unit (setting by simple remote controller)

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

■ Preparation

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

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

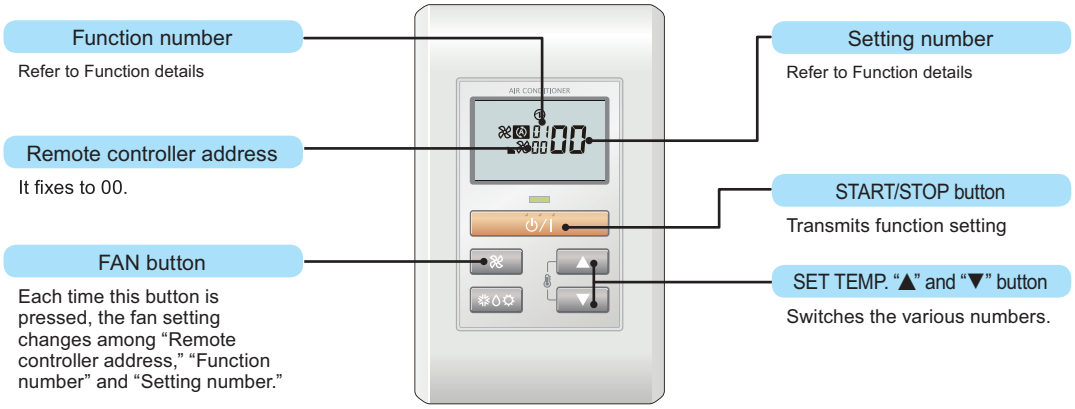


MULTI TYPE
2, 3, 4 ROOMS TYPE

■ Model: UXRSNUM

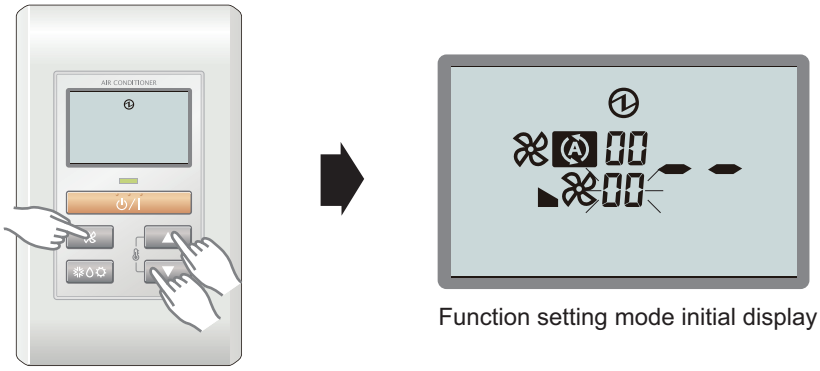
● Button name and function

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



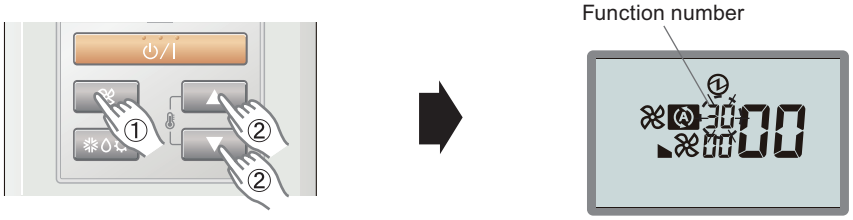
● Function setting procedure

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.



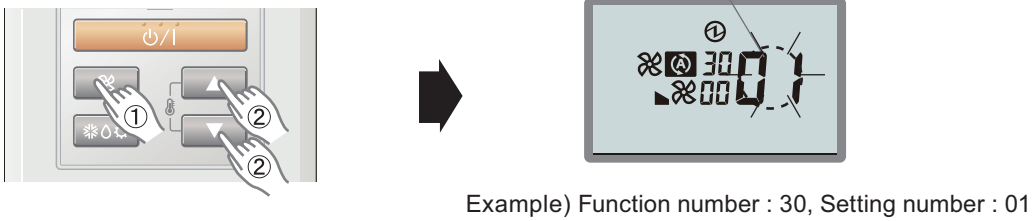
Function setting mode initial display

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



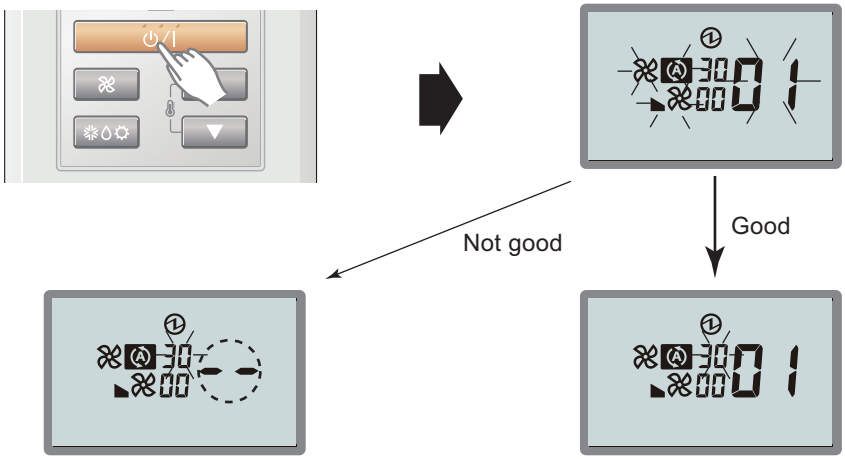
MULTI TYPE
2, 3, 4 ROOMS TYPE

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.

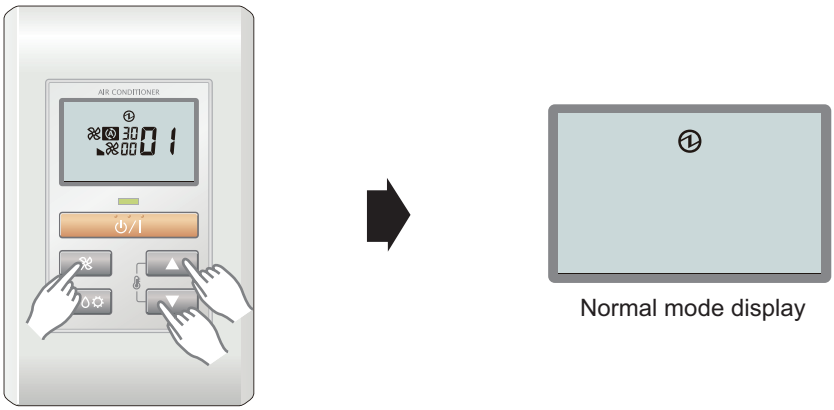


- Data is not set up on the indoor unit correctly (-- is displayed.)
- Set up the data again according to the procedure in step 3, 4 above.

Data is correctly set up on the indoor unit.

Function details: Refer to Chapter 13-5. "Function details" on page 123.

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



Normal mode display

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

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

● Setting up each indoor unit

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

MULTI TYPE
2, 3, 4 ROOMS TYPE

● 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.

MULTI TYPE
2, 3, 4 ROOMS TYPE

13-5. Function details

■ Contents of function setting

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

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

● Function setting list

	Functions	Compact cassette	Slim duct	Wall mounted	Floor
1)	Filter sign	●	●	●	●
2)	Ceiling height	●	—	—	—
3)	Outlet directions	●	—	—	—
4)	Vertical airflow direction range control	—	—	—	●
5)	Static pressure	—	●	—	—
6)	Room temperature control for indoor unit sensor	●	●	●	●
7)	Auto restart	●	●	●	●
8)	Room temperature sensor switching	●	●	●	●
9)	Remote controller custom code	●	●	●	●
10)	External input control	●	●	●	●
11)	Room temperature sensor switching (Aux.)	●	●	●	●
12)	Indoor unit fan control for energy saving for cooling	—	—	● UIWH07/09/12/15AVFJ	●
13)	Room temperature control for wired remote controller sensor	●	●	●	●
14)	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		

MULTI TYPE
2, 3, 4 ROOMS TYPE

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.
7,000, 9,000 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)
24 type	0 to 0.20 in.WG (0 to 50 Pa)

MULTI TYPE
2, 3, 4 ROOMS TYPE

6) Room temperature control for indoor unit 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.

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 case of Slim duct type models:
In wall-concealed installations, select "01".

7) 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.

8) 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.

MULTI TYPE
2, 3, 4 ROOMS TYPE

9) 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	

10) External input control

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

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

11) 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.

12) Indoor unit fan control for energy saving for cooling

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

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

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

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

MULTI TYPE
2, 3, 4 ROOMS TYPE

13) 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)		

14) 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)".

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.

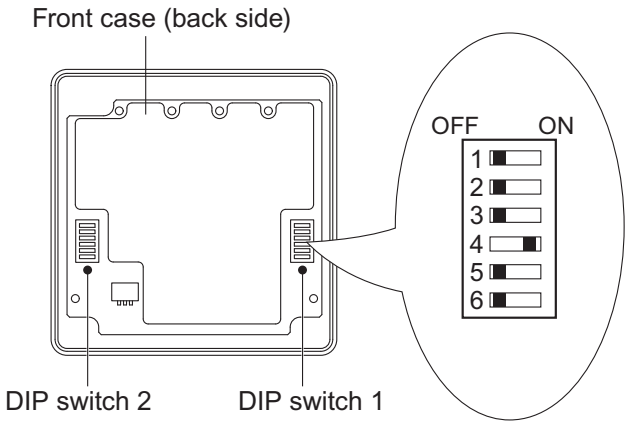
MULTI TYPE
2, 3, 4 ROOMS TYPE

13-6. Wired remote controller (UXRNNUM)

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

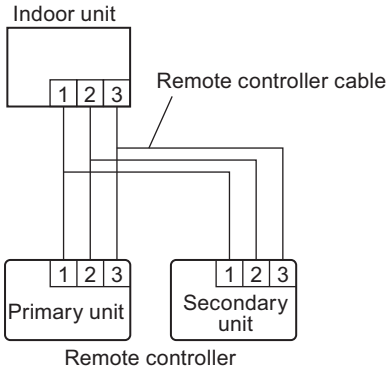


■ DIP switch 1 setting

● 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	♦

MULTI TYPE
2, 3, 4 ROOMS TYPE

● 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.

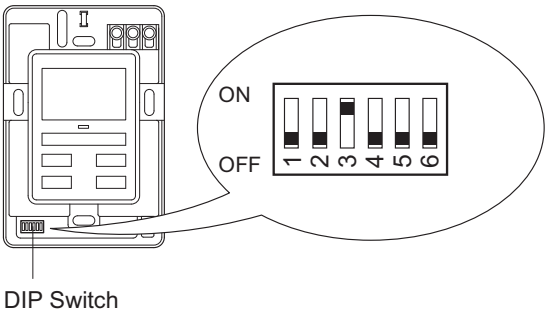
SW6	Memory backup	Factory setting
OFF	Disable	♦
ON	Enable	

MULTI TYPE
2, 3, 4 ROOMS TYPE

13-7. Simple remote controller (UXRSNUM)

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

■ Switch location

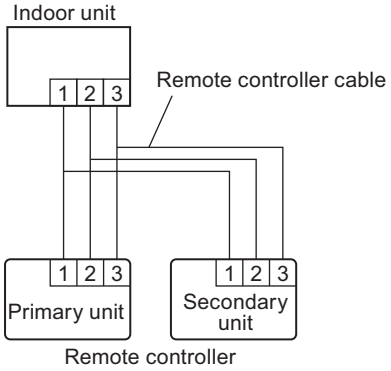


■ DIP switch setting

● 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).

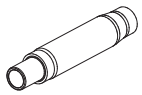
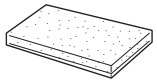
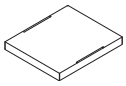
SW3	Fahrenheit (°F) / Celsius (°C)	Factory setting
OFF	°C	
ON	°F	♦

MULTI TYPE
2, 3, 4 ROOMS TYPE

14. Accessories

14-1. Compact cassette type

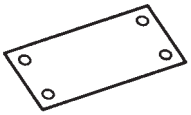
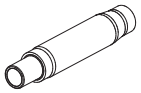
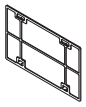
■ Models: RICH07AVFJ, RICH09AVFJ, RICH12AVFJ, and RICH18AVFJ

Part name	Exterior	Q'ty	Part name	Exterior	Q'ty
Operating manual		1	Drain hose		1
Installation manual		1	Hose band		1
Coupler heat insulation (Large)		1	Drain hose insulation		1
Coupler heat insulation (Small)		1	Remote controller		1
M10 nut A (with flange)		4	Remote controller cable		1
M10 nut B (with spring lock washer)		4	Tapping screw		2
Template (Carton top)		1			

MULTI TYPE
2, 3, 4 ROOMS TYPE

14-2. Slim duct type

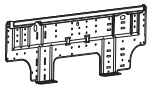
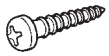
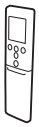
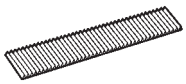
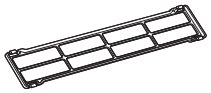
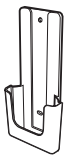
■ Models: RIDH07AVFJ, RIDH09AVFJ, RIDH12AVFJ, RIDH18AVFJ, and RIDH24AVFJ

Part name	Exterior	Q'ty	Part name	Exterior	Q'ty
Operating manual		1	Cable tie (large)		4
Installation manual		1	Cable tie (small)		3
Installation template		1	Drain hose		1
Washer		8	Hose band		1
Coupler heat insulation (large)		1	Drain hose insulation B		1
Coupler heat insulation (small)		1	Remote controller		1
Filter (Small) (For 7/9/12/24)		2	Remote controller cable		1
Filter (Big) (For 18/24)		2 (18) 1 (24)	Tapping screw		2

MULTI TYPE
2, 3, 4 ROOMS TYPE

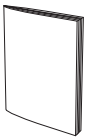
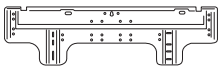
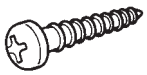
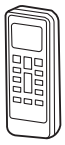
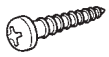
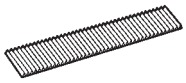
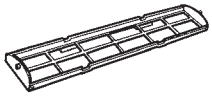
14-3. Wall mounted type

■ Models: UlWH07AVFJ, UlWH09AVFJ, UlWH12AVFJ, and Ul-WH15AVFJ

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

MULTI TYPE
2, 3, 4 ROOMS TYPE

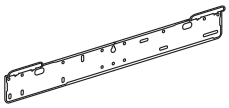
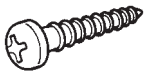
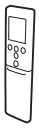
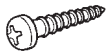
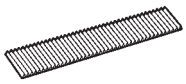
■ Models: UlWH18AVFJ and UlWH24AVFJ

Part name	Exterior	Q'ty	Part name	Exterior	Q'ty
Operating manual		1	Drain hose insulation		1
Installation manual		1	Cloth tape		1
Wall hook bracket		1	Tapping screw (large)		8
Remote controller		1	Tapping screw (small)		2
Battery		2	Air cleaning filter		2
Remote controller holder		1	Air cleaning filter frame		2

MULTI TYPE
2, 3, 4 ROOMS TYPE

14-4. Floor type

■ Models: RIFH09AVFJ, RIFH12AVFJ, and RIFH15AVFJ

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			

MULTI TYPE
2, 3, 4 ROOMS TYPE

15. Optional parts

15-1. Controllers

■ Lineup

Indoor unit type		Type		
		Wired remote controller	Wireless remote controller	
		UXRNNUM	AR-RAH2U	AR-REG1U
Compact cassette		●	○	—
Slim duct		●	—	—
Wall mounted	UIWH07AVFJ UIWH09AVFJ UIWH12AVFJ UIWH15AVFJ	○*	—	●
	UIWH18AVFJ UIWH24AVFJ	○	●	—
Floor		○	—	●

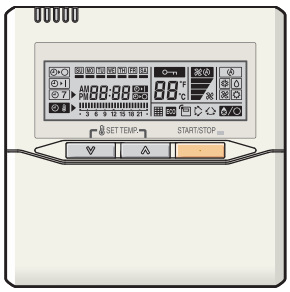
Indoor unit type		Type	
		IR receiver unit	Simple remote controller
		UXLRHUM	UXRSNUM
Compact cassette		—	○
Slim duct		○	○
Wall mounted	UIWH07AVFJ UIWH09AVFJ UIWH12AVFJ UIWH15AVFJ	—	○*
	UIWH18AVFJ UIWH24AVFJ	—	○
Floor		—	○

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

*: Optional Communication kit (RXXCBXZ2) is necessary for the installation.

MULTI TYPE
2, 3, 4 ROOMS TYPE

■ Parts

Wired remote controller	Simple remote controller	IR receiver unit
		
UXRNNUM	UXRSNUM	UXLRHUM

Wireless remote controller	
	
AR-RAH2U	AR-REG1U

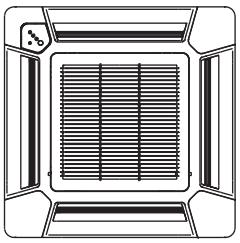
MULTI TYPE
2, 3, 4 ROOMS TYPE

15-2. Cassette grille

■ Lineup

Indoor unit type	Model
Compact cassette	RXCCGF

■ Part

Cassette grille

RXCCGF

MULTI TYPE
2, 3, 4 ROOMS TYPE

15-3. Others

■ Lineup

Indoor unit type		Type			
		Air outlet shutter plate	Insulation kit for high humidity	Fresh air intake kit	External control set
		RXYDZB	RXKXGC	RXVXAA	RXECS5A
Compact cassette		○	○	○	—
Slim duct		—	—	—	○
Wall mounted	UIWH07AVFJ UIWH09AVFJ UIWH12AVFJ UIWH15AVFJ	—	—	—	—
	UIWH18AVFJ UIWH24AVFJ	—	—	—	—
Floor		—	—	—	—

Indoor unit type		Type		
		External connect kit		Remote sensor unit
		RXXWZX	RXXWZXZ5	UXXSZX
Compact cassette		○	—	—
Slim duct		—	—	○
Wall mounted	UIWH07AVFJ UIWH09AVFJ UIWH12AVFJ UIWH15AVFJ	—	○*	—
	UIWH18AVFJ UIWH24AVFJ	○	—	—
Floor		—	○	—

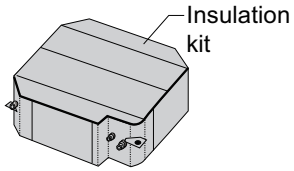
Indoor unit type		Type	
		Auto louver grille kit	Communication kit
		RXGXSA-W RXGXSB-W RXGXSC-W	RXXCBXZ2
Compact cassette		—	—
Slim duct		○	—
Wall mounted	UIWH07AVFJ UIWH09AVFJ UIWH12AVFJ UIWH15AVFJ	—	○
	UIWH18AVFJ UIWH24AVFJ	—	—
Floor		—	—

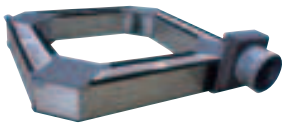
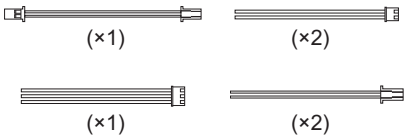
●: Accessory, ○: Optional, —: Not applicable

*: Optional Communication kit (RXXCBXZ2) is necessary for the installation.

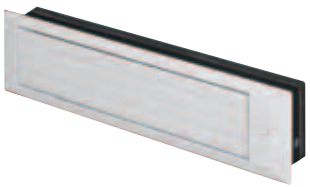
MULTI TYPE
2, 3, 4 ROOMS TYPE

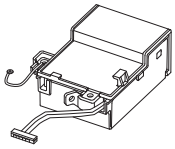
■ Parts

Air outlet shutter plate Model: RXYDZB	Insulation kit for high humidity Model: RXKXGC
 For compact cassette type	 For compact cassette type

Fresh air intake kit Model: RXVXAA	External control set Model: RXECS5A
 For compact cassette type	 For slim duct type

External connect kit Model: RXXWZX	External connect kit Model: RXXWZXZ5
 For compact cassette type and wall mounted type (UIWH18/24AVFJ)	 For wall mounted type (UIWH07/09/12/15AVFJ) and floor type

Auto louver grille kit Models: RXGXSA-W*1 RXGXSB-W*2 RXGXSC-W*3	Remote sensor unit Model: RXXSZX
 *1: For slim duct (07-12 models) *2: For slim duct (18 model) *3: For slim duct (24 model)	 For slim duct type

Communication kit Model: RXXCBXZ2	
 For wall mounted type (UIWH07/09/12/15AVFJ)	

MULTI TYPE
2, 3, 4 ROOMS TYPE

16. Indoor unit installation precautions

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

16-1. 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.

MULTI TYPE
2, 3, 4 ROOMS TYPE

16-2. Points to remember when installing

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

Condition	Contents	Countermeasures (Reference)
When the ceiling is high.	If the indoor unit is installed where the installation height given in the installation manual is exceeded, the temperature difference between the floor and ceiling of the room will be large and the heating effect will be poor. Moreover, even if the indoor unit is installed within the installation height, a similar phenomena will occur when installed in a room in which the doors are opened and closed frequently and hot air circulation is obstructed by furniture such as desks or chairs.	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.
When inside the ceiling is high temperature and high humidity.	When the indoor unit is installed where the inside of the ceiling is 30 °C (86 °F) 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. →Refer to Fig. A. In addition, the humidity may vary considerably the same as when the inside of the ceiling is close to hermetically sealed and used as the outside air intake path.	1. Add heat insulating material to the outside of the indoor unit cabinet. *Regarding the cassette type, use of optional High humidity correspondence kit is recommended. 2. Strengthen the heat insulating material of the refrigerant piping and drain piping too. →Refer to Fig. B. 3. When the humidity inside the ceiling changes considerably, install a ventilation port.

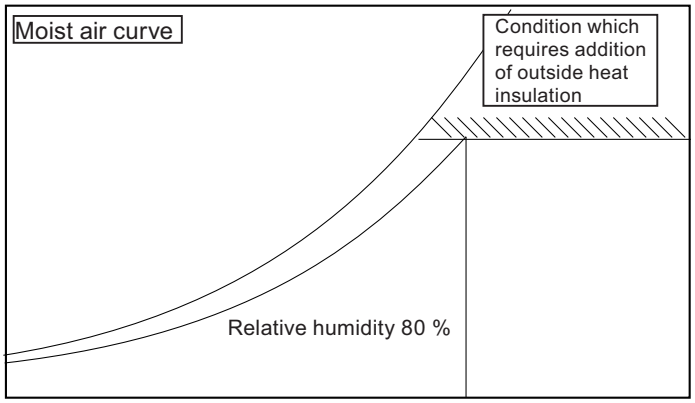


Fig. A

MULTI TYPE
2, 3, 4 ROOMS TYPE

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

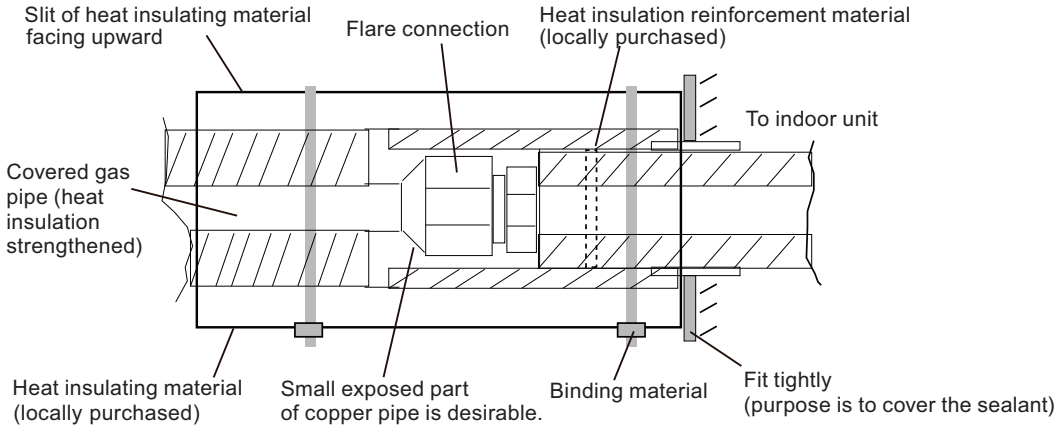


Fig. B

Condition	Contents	Countermeasures (Reference)
When using an external duct.	When using an external duct to take in new fresh air, etc., condensation may form on the surface of the duct due to the effect of the outside air temperature and the humidity inside the ceiling.	Always perform heat insulation processing. (Heat insulating material: Glass wool 25-mm [1-in] thick or more.)
When the remote controller installation site is bad.	If the cold or warm air blown out from the air conditioner directly contacts the thermostat section of the remote controller, the outlet temperature of the air conditioner may be sensed and room temperature control will be different from the room temperature, and “not cooled” or “not heated” or other trouble may occur. In addition, there is the possibility that the same kind of trouble may also occur when the remote controller is effected by direct sunlight.	1. Install the remote controller where it will not be directly exposed to the cold or hot air. 2. Install the remote controller where it will not be directly exposed to sunlight or strong lighting.
When installation environment is quiet.	When the wall mounted type was installed in a bedroom, living room, or other quiet place, the sound of the refrigerant flow may be sensed as noise and must be taken into account.	1. Plan installation of a model with external expansion valve. 2. Plan installation of a branch box farther from indoor unit. 3. Plan installation using another air conditioner.
When installing duct type in ceiling chamber system.	In the case of the ceiling chamber system (duct is not installed at indoor unit inlet side and room air is sucked into the indoor unit through the inside of the ceiling), the thermistor inside the indoor unit may not correctly detect the room temperature. • Heating operation: Room is not heated because the indoor unit is easily turned off by the thermostat. • Cooling operation: Room is too cold because the indoor unit is difficult to turn off by the thermostat.	Replace the indoor unit thermistor with optional Remote sensor unit, and install the sensor where the room temperature can be correctly detected.
When the outlet air is sucked in at duct type.	Cooling operation does not cool the room and heating operation does not heat the room because the short circuited indoor unit is not turned on by the thermostat.	1. Reconsider the ventilation port construction. 2. Replace the indoor unit thermistor with optional Remote sensor unit, and install the sensor where the room temperature can be correctly detected.
When using the wireless remote controller.	Signals may not be received when using it in a room illuminated by an inverter fluorescent lamp.	Turn on the fluorescent lamp and check if the indoor unit receives the signals from the remote controller. If the indoor unit does not receive the signals, consult an authorized service personnel.
When installing the inverter type.	It may generate noise in TV sets, stereos and PCs.	The inverter type should be installed at a sufficient distance from these equipments.

MULTI TYPE
2, 3, 4 ROOMS TYPE

Part 2. OUTDOOR UNIT (2 ROOMS TYPE)

MULTI TYPE:

UOMH18FXZHJ

1. Specifications

Type					Inverter heat pump		
Model name					**UOMH18FXZHJ**		
Power source					1Ø 208/230 V 60 Hz		
Available voltage range					187—253V		
Connectable indoor unit			Number		2		
			Total capacity range		14,000 to 21,000 Btu/h		
Combination of indoor unit					Non-duct UIWH09AVFJ × 2	Duct RIDH09AVFJ × 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		
Input power		Cooling	Rated	kW	1.33	1.45	1.39
			Max.		1.95	2.01	1.98
		Heating	Rated		1.70	1.79	1.74
			Max.		2.02	2.08	2.05
Current		Cooling	Rated	A	5.8	6.4	6.1
		Heating			7.5	7.9	7.7
EER		Cooling	Rated	Btu/W	13.5	12.4	13.0
SEER *1		Cooling		-	21.5	19.0	20.3
COP		Heating	Rated	W/W	3.79	3.60	3.70
HSPF *1		Heating		-	10.3	9.0	9.7
Starting current				A	7.9		
Maximum operating current *2				A	16.4		
Fan	Type × Q'ty				Propeller × 1		
	Airflow rate	Cooling		CFM (m^3/h)	1,647 (2,800)		
		Heating			1,647 (2,800)		
	Motor	Type × Quantity			DC motor × 1		
		Output		W	100		
Sound pressure level		Cooling	Rated	dB (A)	48		
		Heating			50		
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 × Quantity				DC twin rotary × 1		
	Motor output			W	1,100		
Refrigerant		Type			R410A		
		Charge		lb (g)	4 lb 3 oz (1,900)		
Refrigerant oil		Type			RB68		
		Amount		in^3 (cm^3)	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)	39-11/16 × 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				Flare		
	Pre-charge length (Total)			ft (m)	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)		

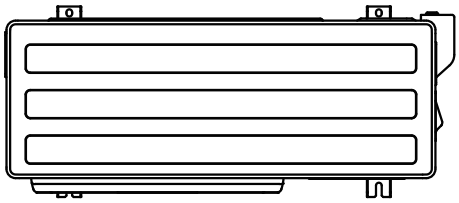
NOTES:

- Specifications are based on the following conditions:
  - Power source of specifications : 230 V
  - Pipe length: 24.6 ft (7.5 m), Height difference: 0 ft (0 m) [Outdoor unit—Indoor unit]
  - 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).
  - 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).
- *1: Test conditions are based on AHRI 210/240.
- *2: Maximum operating current is the total current of the indoor unit and the outdoor unit.
- For other combination, refer to the combination table.
- The protective function might work when using it outside the operation range.

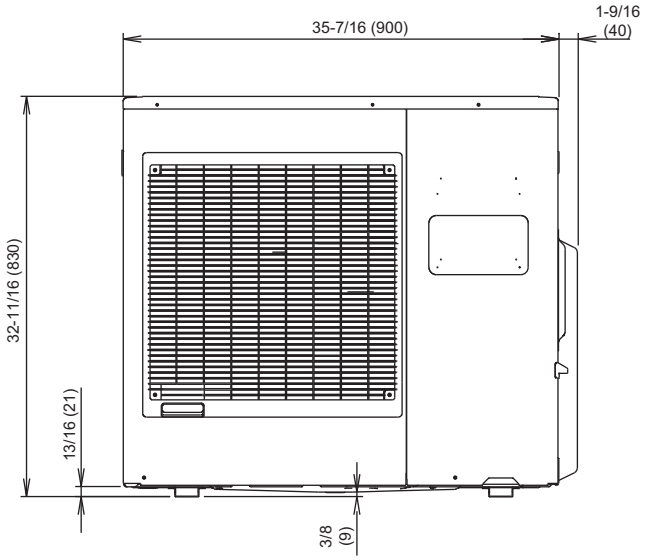
2. Dimensions

2-1. Model: UOMH18FXZHJ

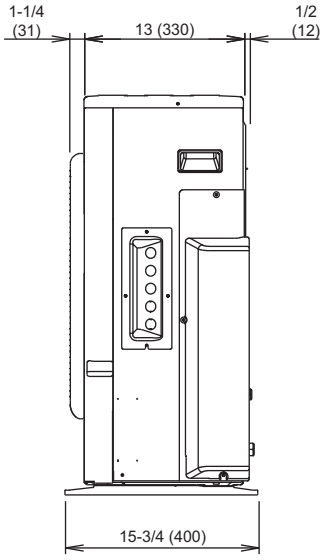
Unit: in (mm)



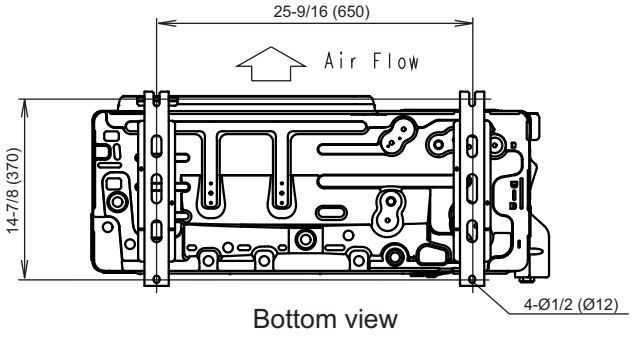
Top view



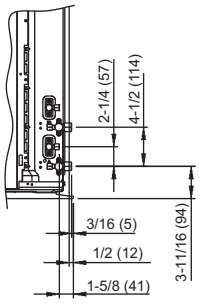
Front view



Side view



Bottom view



3. Installation space

3-1. Model: UOMH18FXZHJ

■ Space requirement

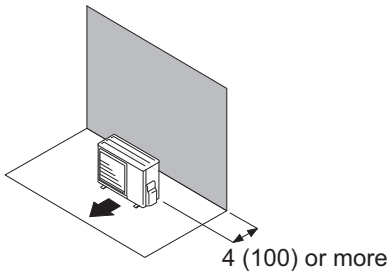
Provide sufficient installation space for product safety.

● Single outdoor unit installation

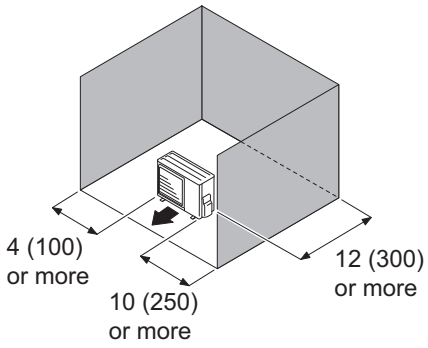
- **When the upper space is open:**

Unit: in (mm)

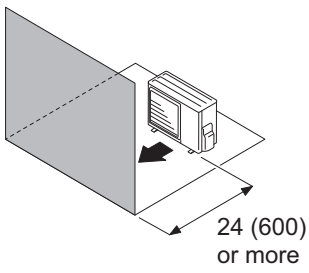
When there are obstacles at the rear only.



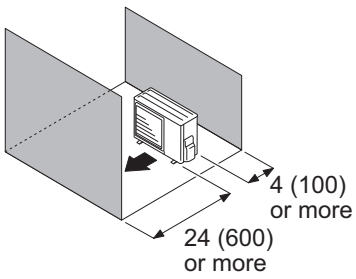
When there are obstacles at the rear and sides.



When there are obstacles at the front only.



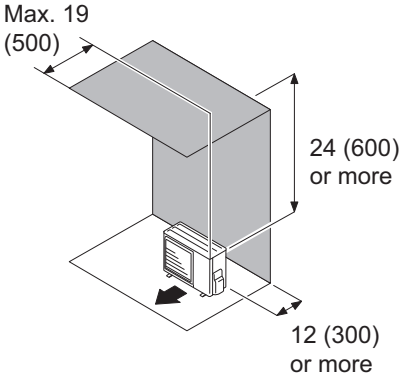
When there are obstacles at the front and rear.



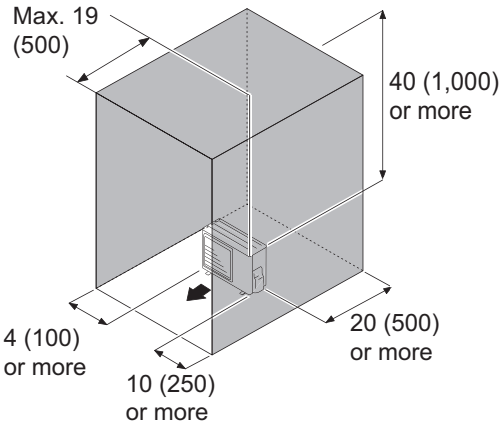
- **When there is an obstruction in the upper space:**

Unit: in (mm)

When there are obstacles at the rear and above.



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

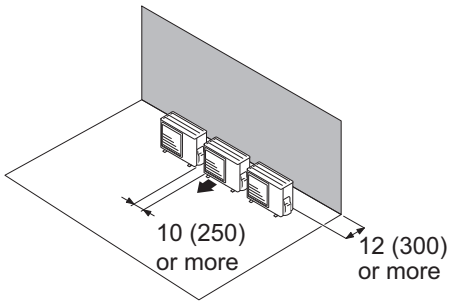


● Multiple outdoor unit installation

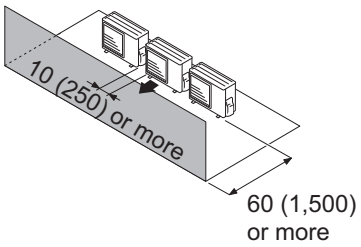
- **When the upper space is open:**

Unit: in (mm)

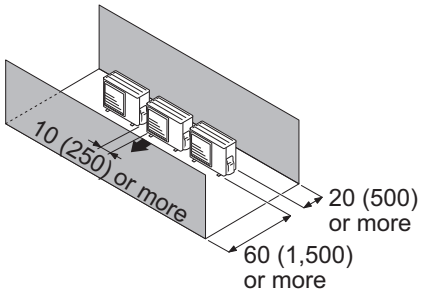
When there are obstacles at the rear only.



When there are obstacles at the front only.



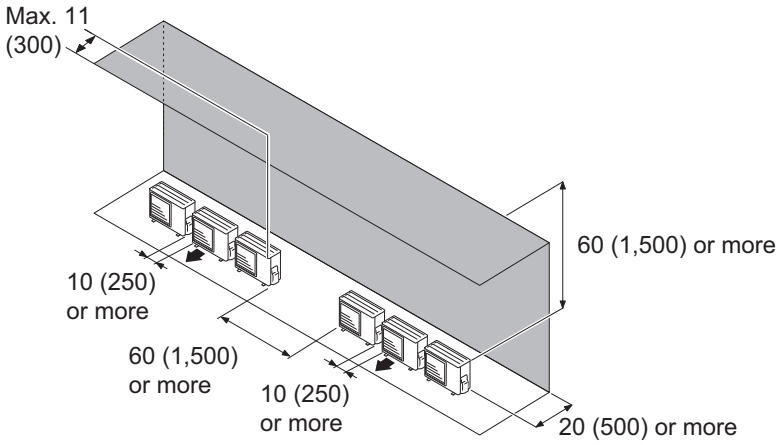
When there are obstacles at the front and rear.



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

Unit: in (mm)

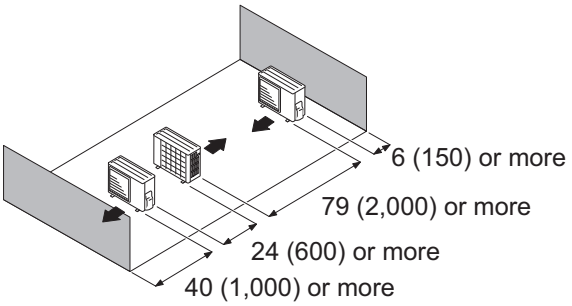
When there are obstacles at the rear and above.



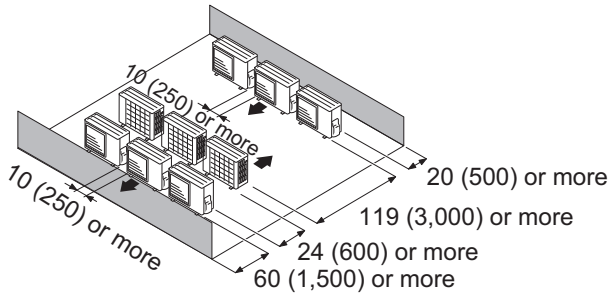
● Outdoor unit installation in multi-row

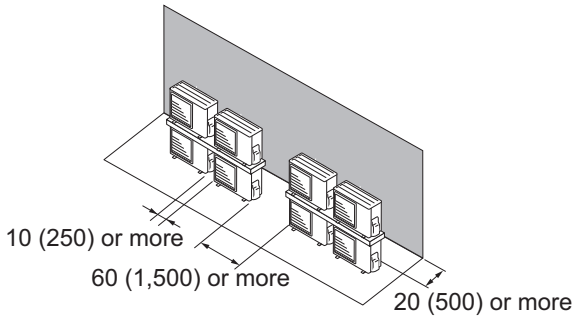
Unit: in (mm)

Single parallel unit arrangement



Multiple parallel unit arrangement



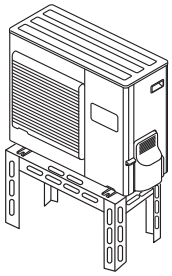


NOTES:

- 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.

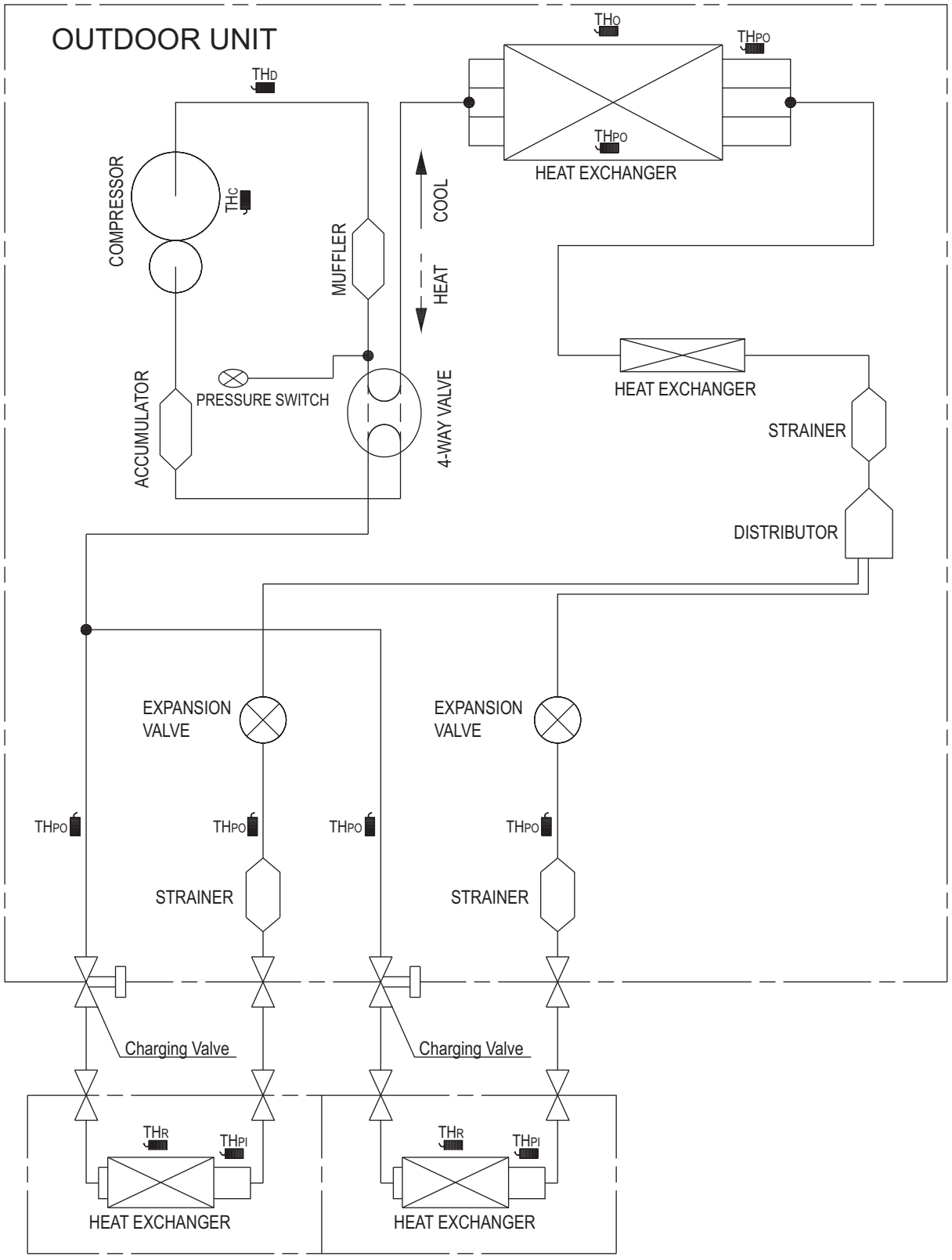
⚠ CAUTION

- 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

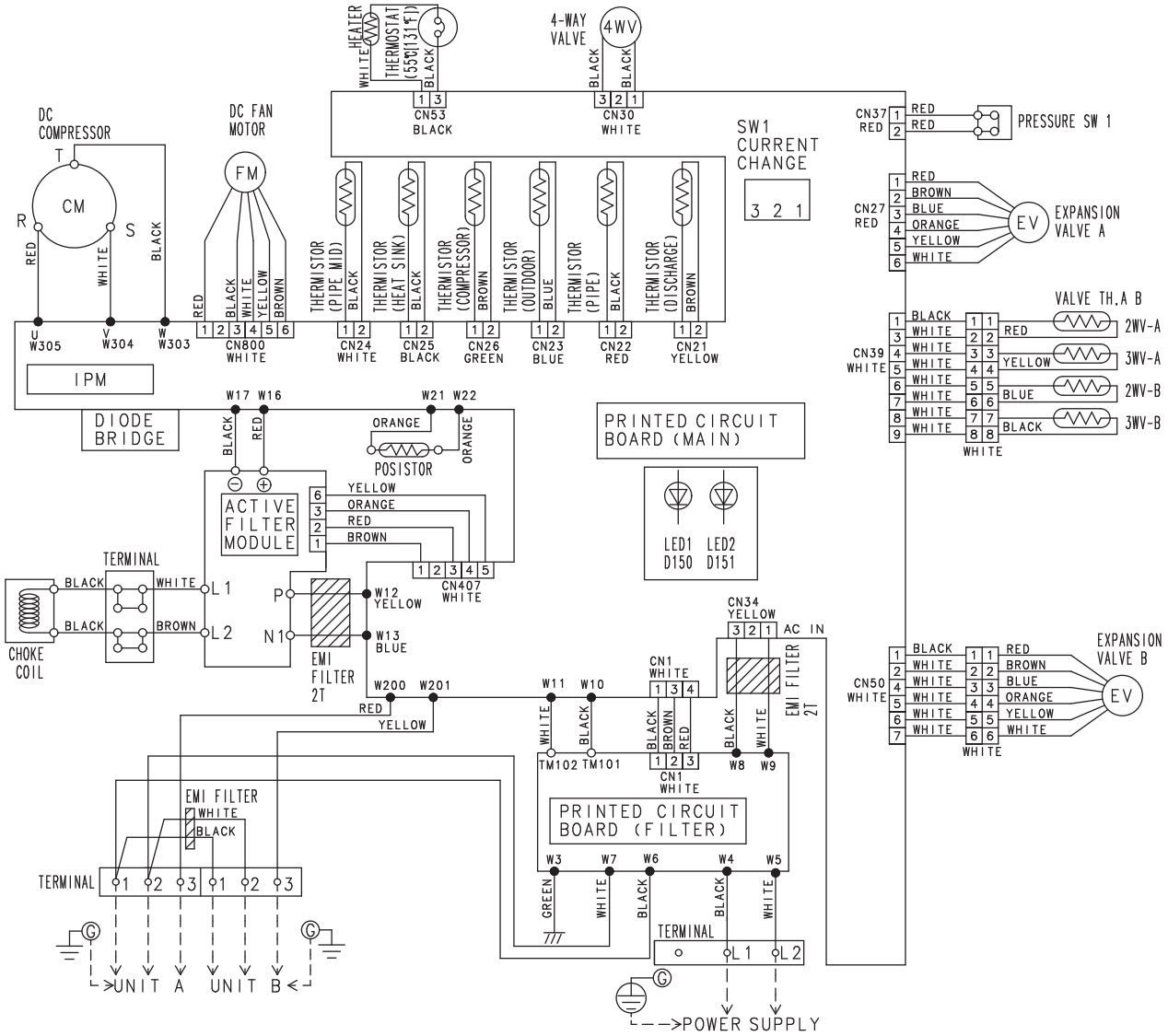
4-1. Model: UOMH18FXZHJ



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: UOMH18FXZHJ



6. Capacity table

6-1. Combinations

■ Model: UOMH18FXZHJ

● 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)		
Room 1	Room 2	Total	Room 1	Room 2	Room 1	Room 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)		
Room 1	Room 2	Total	Room 1	Room 2	Room 1	Room 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.

■ Model: UOMH18FXZHJ

● 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)		
Room 1	Room 2	Total	Room 1	Room 2	Room 1	Room 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

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)		
Room 1	Room 2	Total	Room 1	Room 2	Room 1	Room 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: UOMH18FXZHJ

- 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

		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	2.19	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																	
	°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	10.13	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

		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																	
	°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	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																	
	°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: 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

		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	3.73	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
	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																	
	°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	4.30	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

		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																	
	°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	4.31	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

		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

		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: UOMH18FXZHJ

- 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	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	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

			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

			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	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									
		°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	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

			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

			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

			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									
		°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									
		°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

OUTDOOR UNIT
UOMH18FXZHJ

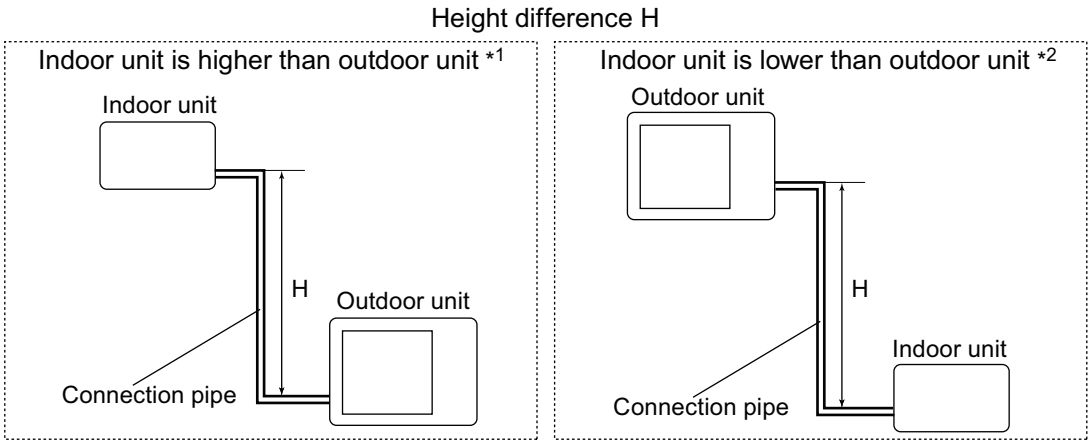
● Indoor units: 9,000 Btu + 12,000 Btu

			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	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									
		°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

OUTDOOR UNIT
UOMH18FXZHJ

7. Capacity compensation rate for pipe length and height difference



7-1. Model: UOMH18FXZHJ

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

8. Additional charge calculation

8-1. Model: UOMH18FXZHJ

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	

OUTDOOR UNIT
UOMH18FXZHJ

9. Airflow

9-1. Model: UOMH18FXZHJ

● Cooling

m^3/h	2,800
l/s	778
CFM	1,647

● Heating

m^3/h	2,800
l/s	778
CFM	1,647

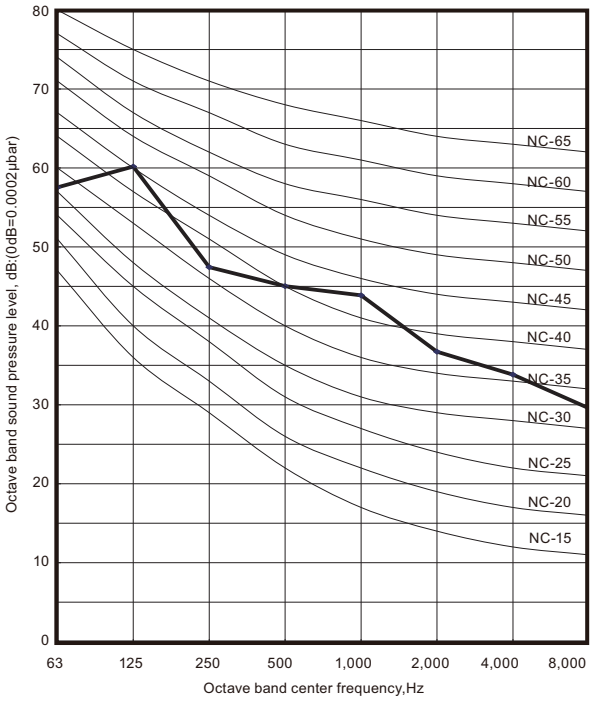
OUTDOOR UNIT
UOMH18FXZHJ

10. Operation noise (sound pressure)

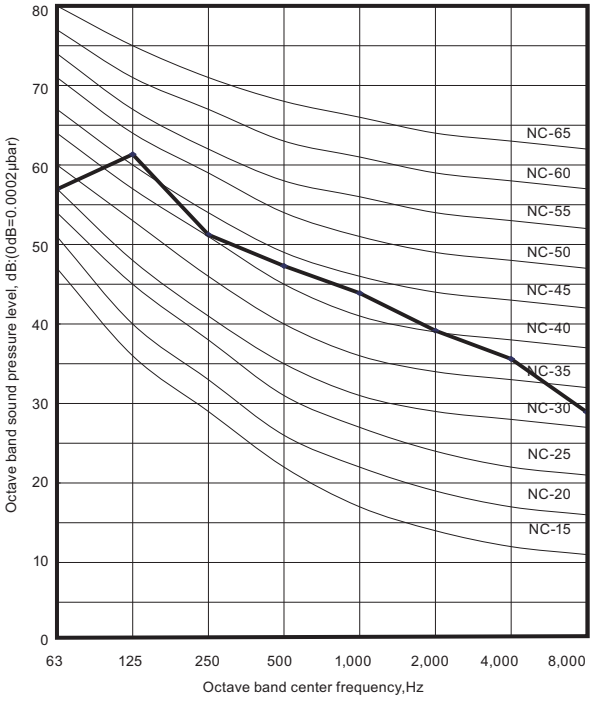
10-1. Noise level curve

■ Model: UOMH18FXZHJ

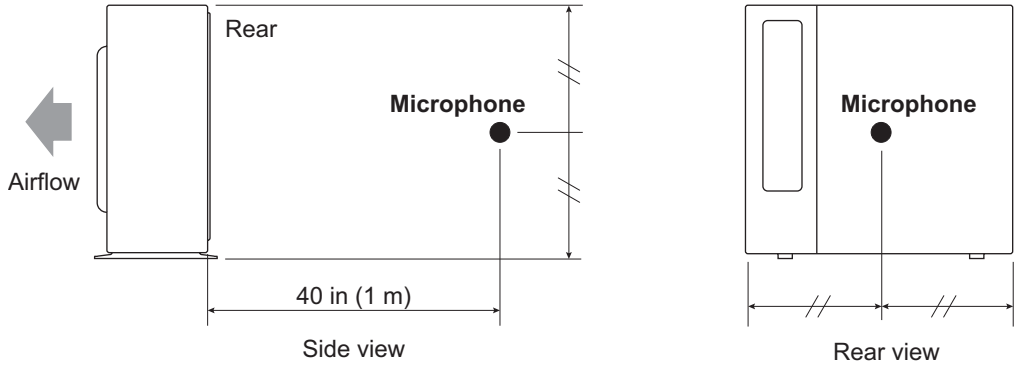
● Cooling



● 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
			UOMH18FXZHJ
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

OUTDOOR UNIT
UOMH18FXZHJ

12. Safety devices

Type of protection	Protection form		Model
			UOMH18FXZHJ
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 $^{+18}_{-16}$°F (116 $^{+10}_{-9}$ °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			

OUTDOOR UNIT
UOMH18FXZHJ

14. Outdoor unit installation precautions

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

14-1. Places where prohibited for use

- Places where there is a danger of combustible gas leakage.
- Places where sulfur gas, chlorine gas, acid, alkali, or other matter which effects equipment is generated.
- Places not affected by heat radiation from other heat sources.
- Places where the air is not stagnant.
- Places where machinery which generates high frequencies is used.
- Ocean beaches and other areas where there is a lot of salt.
- Inside of vehicles, ships, and other conveyances.
- Places where voltage fluctuations are product.

14-2. Points to remember when installing

- The product shall be installed at a place which can withstand the weight and vibration of the outdoor unit.
- To allow maintenance after refrigerant piping, drain piping, and electric wiring connection and installation, provide an installation service space.
*Installation service space is shown in "Installation space" on page 148.
- Be careful when installing the set at the following places.

Condition	Contents	Countermeasures (Reference)
When installed near adjacent houses.	Perform installation work so that operating sound does not disturb the neighbors.	1. Install a soundproof barrier. 2. Change the installation site.
When there is the possibility of strong wind.	• If the outdoor unit is exposed to strong wind, capacity may drop, frost may form during heating, and operation may be stopped by high pressure rise. In addition, when a very strong wind blows, the fan may be damaged. • When a very strong wind blows, there is the possibility of the outdoor unit being toppled over if held only by foundation bolts.	1. Install the outdoor unit with keeping a sufficient distance between the outlet side of the unit and a facing wall or fence. 2. Make the outlet direction and wind direction perpendicular. 3. Fasten the outdoor unit using toppling prevention hardware (purchased locally).
When snow accumulates.	If the outdoor unit is covered by accumulated snow, it may not be able to operate.	1. Make the foundation as high as possible. 2. Perform snow prevention work.
When installing the inverter type.	It may generate noise in TV sets, stereos and PCs.	The inverter type should be installed at a sufficient distance from these equipments.

OUTDOOR UNIT
UOMH18FXZHJ

Part 3. OUTDOOR UNIT (3 ROOMS TYPE)

MULTI TYPE:

UOMH24FXZHJ

1. Specifications

Type					Inverter heat pump		
Model name					**UOMH24FXZHJ**		
Power source					1Ø 208/230 V 60 Hz		
Available voltage range					187—253V		
Connectable indoor unit			Number		2 to 3		
			Total capacity range		14,000 to 21,000 Btu/h		
Combination of indoor unit					Non-duct UIWH09AVFJ + UIWH07AVFJ × 2	Duct RIDH09AVFJ + RIDH07AVFJ × 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		
Input power		Cooling	Rated	kW	1.65	1.81	1.74
			Max.		2.20	2.29	2.25
		Heating	Rated		1.81	1.89	1.85
			Max.		2.85	2.93	2.90
Current		Cooling	Rated	A	7.2	7.9	7.6
		Heating			7.9	8.3	8.1
EER		Cooling	Rated	Btu/W	13.30	12.10	12.70
SEER *1		Cooling		-	20.00	18.00	19.00
COP		Heating	Rated	W/W	4.04	3.87	3.96
HSPF *1		Heating		-	10.30	9.00	9.70
Starting current				A	8.3		
Maximum operating current *2				A	20.8		
Fan	Type × Q'ty				Propeller × 1		
	Airflow rate	Cooling		CFM (m^3/h)	1,942 (3,300)		
		Heating			1,942 (3,300)		
	Motor	Type × Quantity			DC motor × 1		
		Output		W	100		
Sound pressure level		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 × Quantity				DC twin rotary × 1		
	Motor output			W	2,100		
Refrigerant		Type			R410A		
		Charge		lb (g)	4 lb 14 oz (2,200)		
Refrigerant oil		Type			RB68		
		Amount		in^3 (cm^3)	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				Flare		
	Pre-charge length (Total)			ft (m)	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		°F (°C)	14 to 115 (-10 to 46)		
		Heating			-15 to 75 (-26 to 24)		

NOTES:

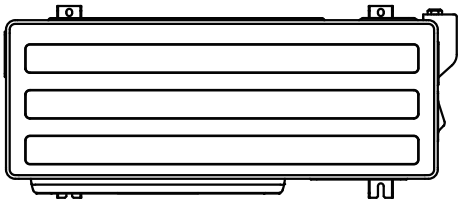
- Specifications are based on the following conditions:
  - Power source of specifications: 230 V
  - Pipe length: 24.6 ft (7.5 m), Height difference: 0 ft (0 m) [Outdoor unit—Indoor unit]
  - Cooling: Indoor temperature of 80 °FDB (26.7 °CDB)/67 °FWB (19.4 °CWB), and outdoor temperature of 95 °FDB (35°CDB)/75 °FWB (23.9 °CWB).
  - 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).
- *1: Test conditions are based on AHRI 210/240.
- *2: Maximum operating current is the total current of the indoor unit and the outdoor unit.
- For other combination, refer to the combination table.
- The protective function might work when using it outside the operation range.

OUTDOOR UNIT
UOMH24FXZHJ

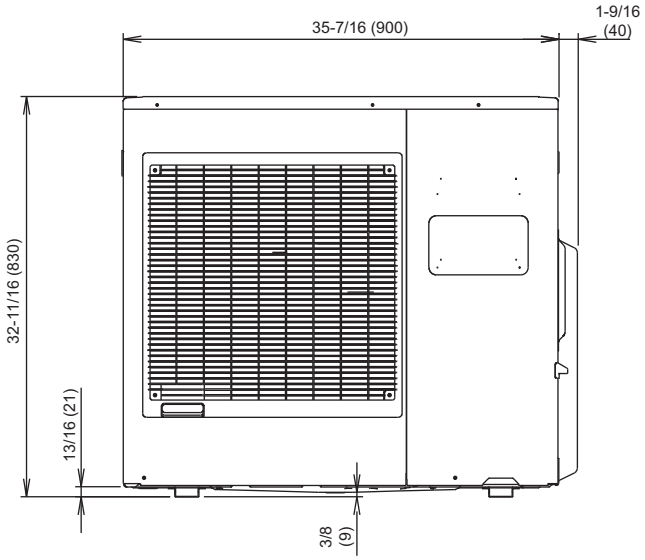
2. Dimensions

2-1. Model: UOMH24FXZHJ

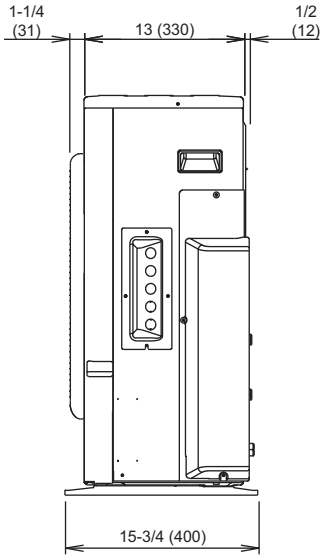
Unit: in (mm)



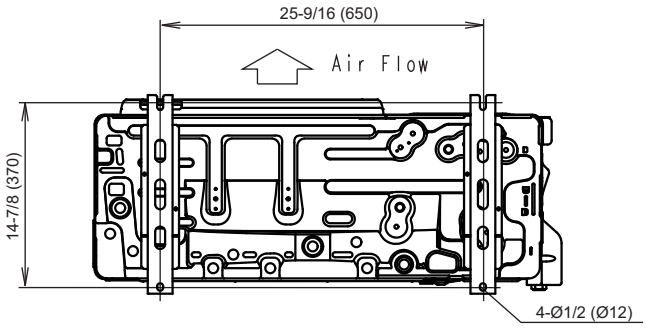
Top view



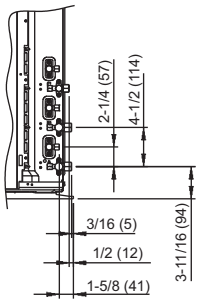
Front view



Side view



Bottom view



3. Installation space

3-1. Model: UOMH24FXZHJ

■ Space requirement

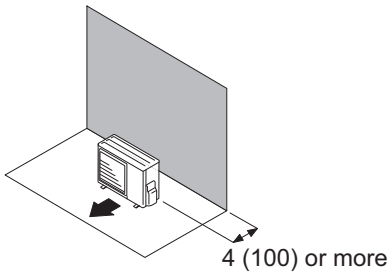
Provide sufficient installation space for product safety.

● Single outdoor unit installation

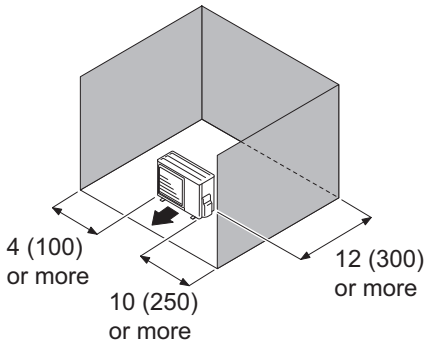
- **When the upper space is open:**

Unit: in (mm)

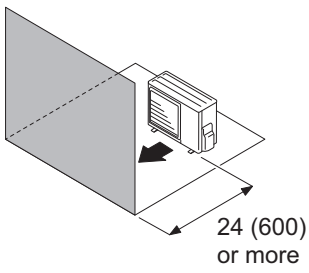
When there are obstacles at the rear only.



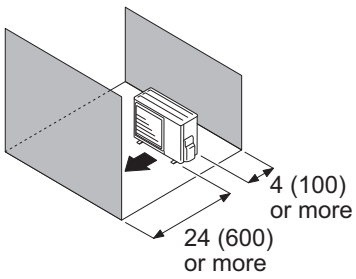
When there are obstacles at the rear and sides.



When there are obstacles at the front only.



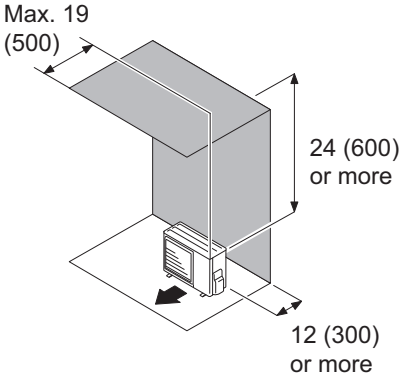
When there are obstacles at the front and rear.



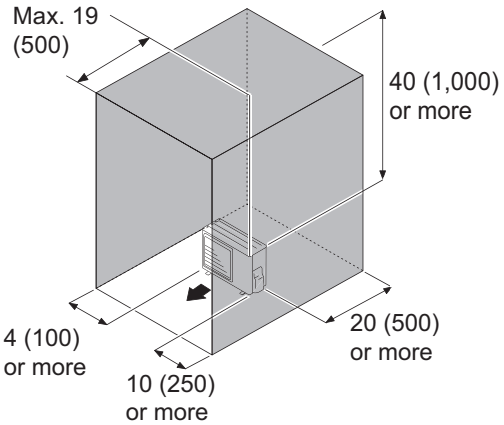
- **When there is an obstruction in the upper space:**

Unit: in (mm)

When there are obstacles at the rear and above.



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

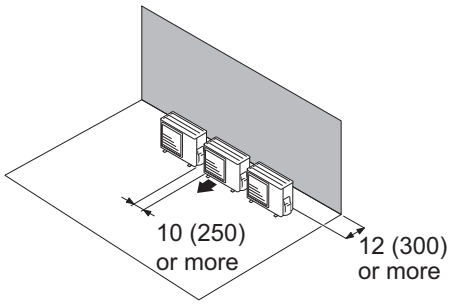


● Multiple outdoor unit installation

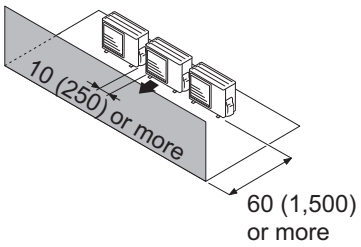
- **When the upper space is open:**

Unit: in (mm)

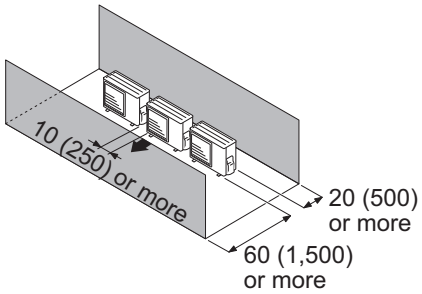
When there are obstacles at the rear only.



When there are obstacles at the front only.



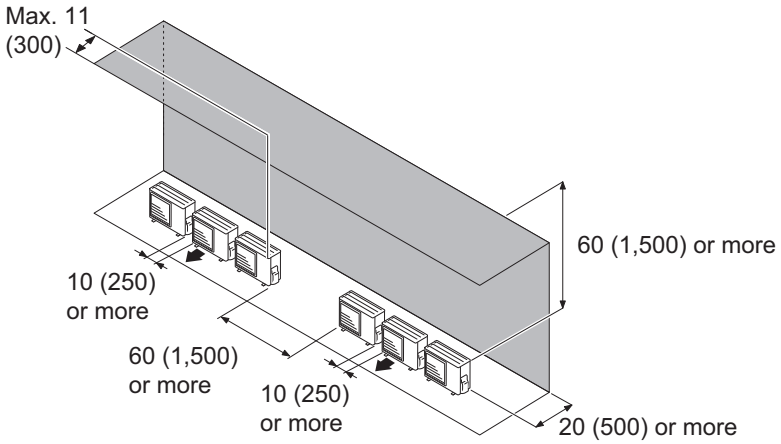
When there are obstacles at the front and rear.



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

Unit: in (mm)

When there are obstacles at the rear and above.

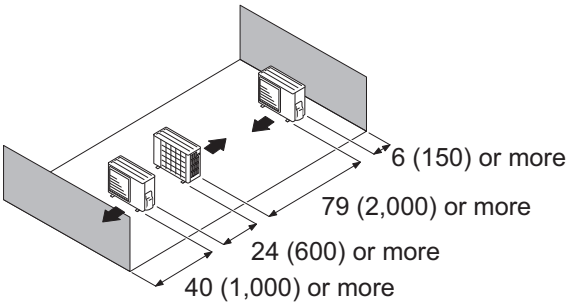


OUTDOOR UNIT
UOMH24FXZHJ

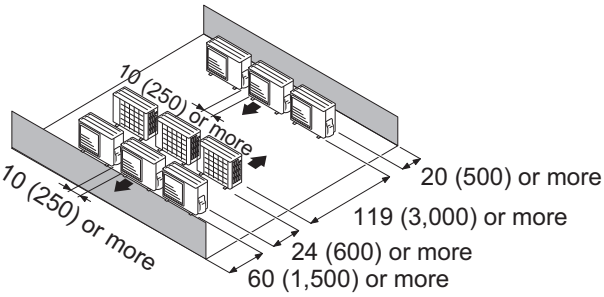
● Outdoor unit installation in multi-row

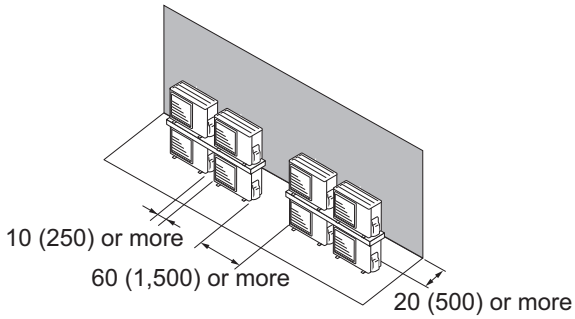
Unit: in (mm)

Single parallel unit arrangement



Multiple parallel unit arrangement



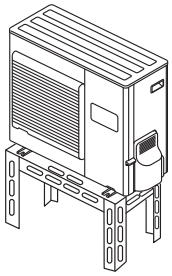


NOTES:

- 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.

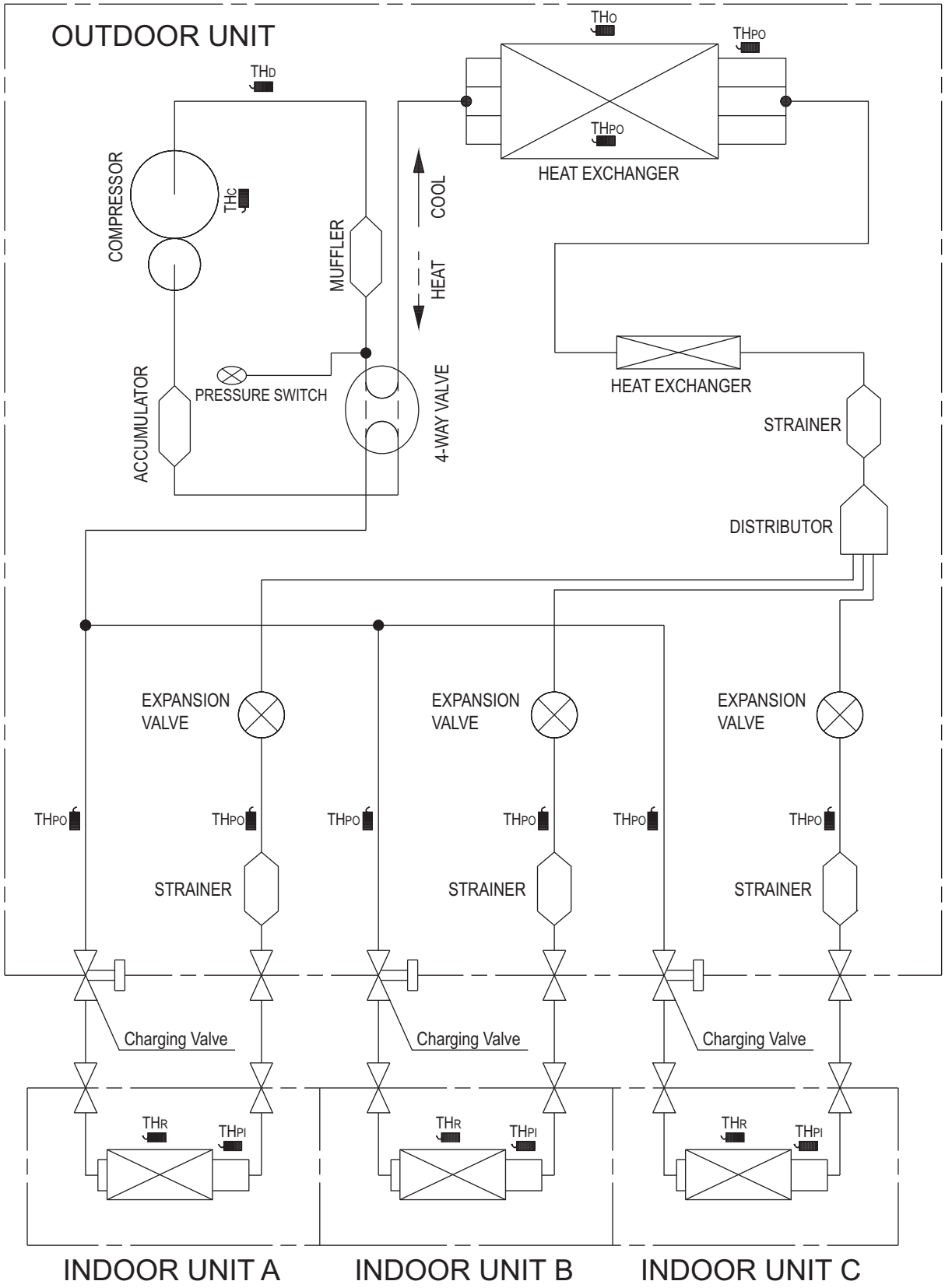
⚠ CAUTION

- 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

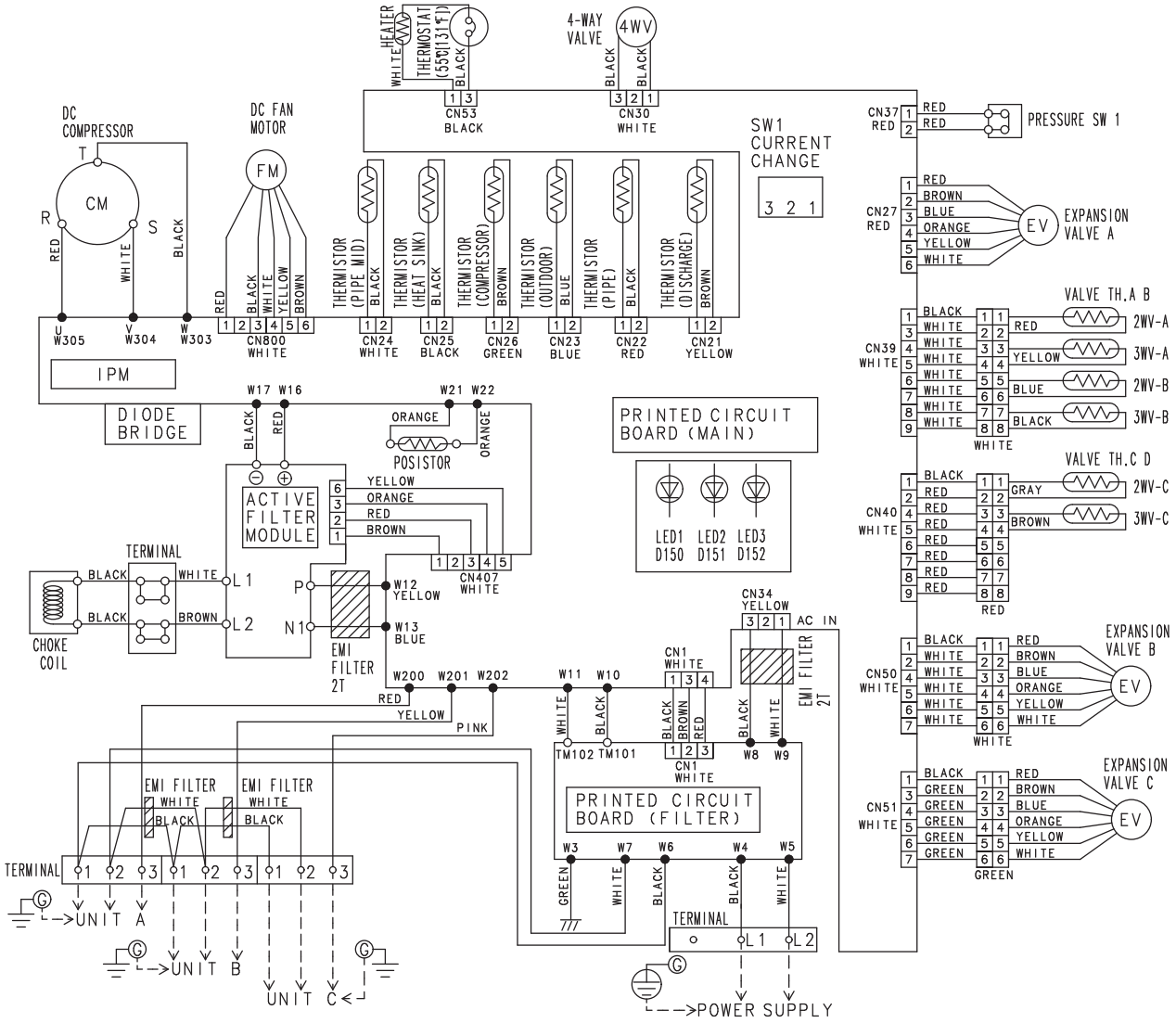
4-1. Model: UOMH24FXZHJ



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: UOMH24FXZHJ



OUTDOOR UNIT
UOMH24FXZHJ

6. Capacity table

6-1. Combinations

■ Model: UOMH24FXZHJ

● 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)		
Room 1	Room 2	Room 3	Total	Room 1	Room 2	Room 3	Room 1	Room 2	Room 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)		
Room 1	Room 2	Room 3	Total	Room 1	Room 3	Room 2	Room 1	Room 3	Room 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	1.24	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.

OUTDOOR UNIT
UOMH24FXZHJ

■ Model: UOMH24FXZHJ

● 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)		
Room 1	Room 2	Room 3	Total	Room 1	Room 2	Room 3	Room 1	Room 2	Room 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

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)		
Room 1	Room 2	Room 3	Total	Room 1	Room 2	Room 3	Room 1	Room 2	Room 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.

OUTDOOR UNIT
UOMH24FXZHJ

6-2. Cooling capacity

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

■ Model: UOMH24FXZHJ

- 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

		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	2.19	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																	
	°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

		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																	
	°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	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
UOMH24FXZHJ

		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

		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	3.73	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	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																	
	°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	4.30	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
UOMH24FXZHJ

		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	4.77	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																	
	°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	17.06	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

		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	5.00	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

		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	5.70	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	1.10
	-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	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																	
	°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	4.42	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
UOMH24FXZHJ

		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	4.60	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																	
	°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	17.42	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																	
	°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	5.10	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
UOMH24FXZHJ

		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	5.77	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
UOMH24FXZHJ

		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
UOMH24FXZHJ

		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	5.51	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																	
	°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	5.64	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

		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	5.52	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																	
	°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	15.78	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		
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	4.62	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: UOMH24FXZHJ

- 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	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	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

● Indoor units: 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	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
UOMH24FXZHJ

			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	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									
		°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	8.89	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									
		°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	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	
	°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
Outdoor temperature	-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
UOMH24FXZHJ

			Indoor 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	
Outdoor temperature	-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	
	°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
Outdoor temperature	-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									
		°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	
Outdoor temperature	-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	
	°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
Outdoor temperature	-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
UOMH24FXZHJ

			Indoor 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	
Outdoor temperature	-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	
	°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
Outdoor temperature	-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	
	°CDB	°CWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kW		kW		kW		kW		kW	
Outdoor temperature	-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									
		°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
Outdoor temperature	-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
UOMH24FXZHJ

			Indoor 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	
Outdoor temperature	-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	
	°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
Outdoor temperature	-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									
		°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	
Outdoor temperature	-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	
	°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
Outdoor temperature	-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
UOMH24FXZHJ

			Indoor 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	
Outdoor temperature	-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	
	°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
Outdoor temperature	-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									
		°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	
Outdoor temperature	-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	
	°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
Outdoor temperature	-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
UOMH24FXZHJ

			Indoor 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	
Outdoor temperature	-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	
	°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
Outdoor temperature	-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	
	°CDB	°CWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kW		kW		kW		kW		kW	
Outdoor temperature	-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
UOMH24FXZHJ

		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	4.19	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									
	°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	4.11	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	
	°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
Outdoor temperature	-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
UOMH24FXZHJ

			Indoor 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	
Outdoor temperature	-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	
	°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
Outdoor temperature	-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									
		°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	
Outdoor temperature	-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	
	°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
Outdoor temperature	-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
UOMH24FXZHJ

			Indoor 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	
Outdoor temperature	-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	
	°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
Outdoor temperature	-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	
	°CDB	°CWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kW		kW		kW		kW		kW	
Outdoor temperature	-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
UOMH24FXZHJ

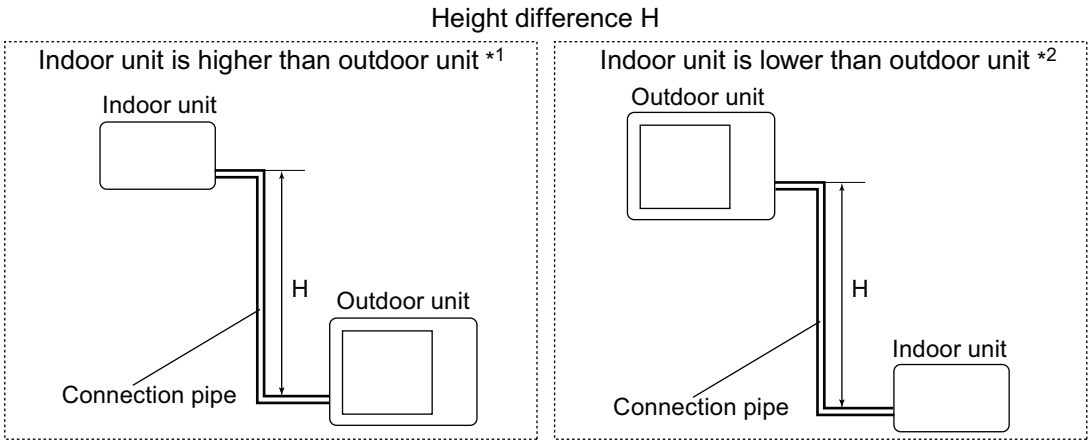
			Indoor temperature									
		°CDB	15.6		18.3		21.2		23.9		25.6	
Outdoor temperature	°CDB	°CWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kW		kW		kW		kW		kW	
	-26.1	-27.0	4.34	2.42	4.23	2.47	4.13	2.52	4.03	2.57	3.92	2.62
	-20.6	-21.7	6.14	2.96	5.99	3.02	5.84	3.08	5.70	3.15	5.55	3.21
	-15.0	-16.1	7.94	3.50	7.75	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

● 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: UOMH24FXZHJ

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

OUTDOOR UNIT
UOMH24FXZHJ

■ 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

OUTDOOR UNIT
UOMH24FXZHJ

■ 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

OUTDOOR UNIT
UOMH24FXZHJ

8. Additional charge calculation

8-1. Model: UOMH24FXZHJ

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
UOMH24FXZHJ

9. Airflow

9-1. Model: UOMH24FXZHJ

● Cooling

m^3/h	3,300
l/s	917
CFM	1,942

● Heating

m^3/h	3,300
l/s	917
CFM	1,942

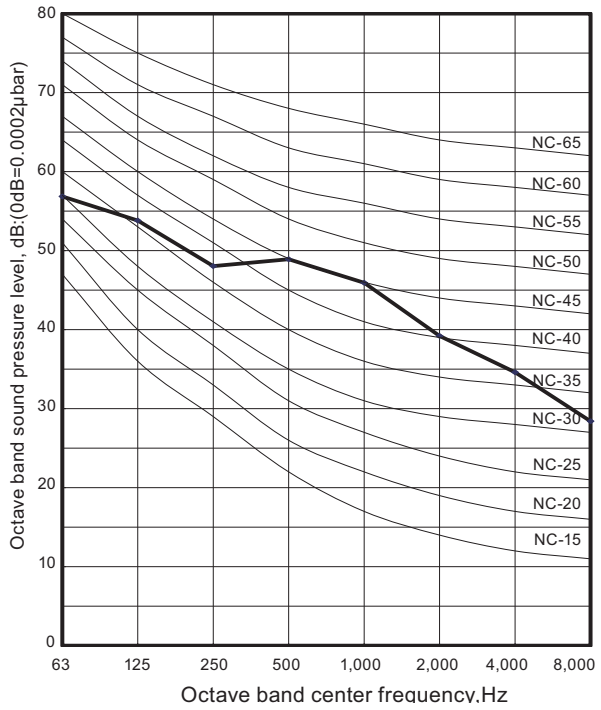
OUTDOOR UNIT
UOMH24FXZHJ

10. Operation noise (sound pressure)

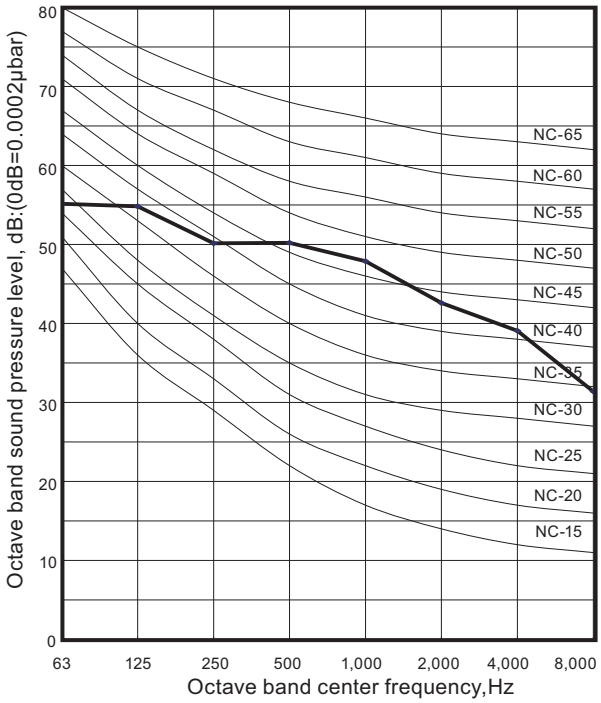
10-1. Noise level curve

■ Model: UOMH24FXZHJ

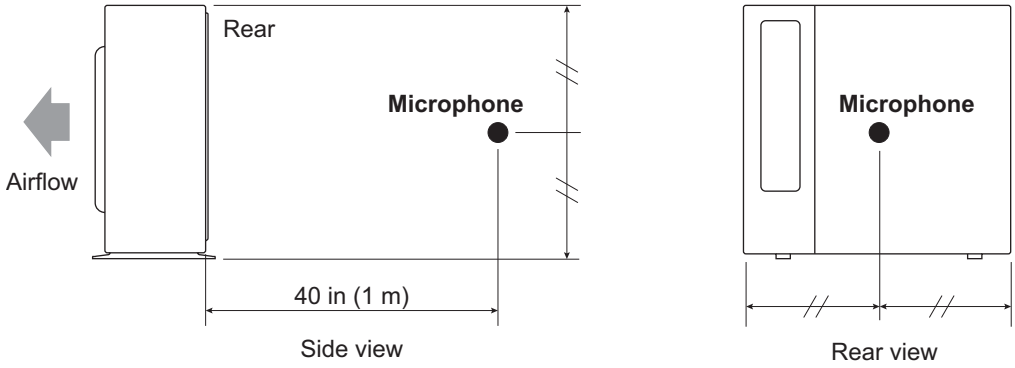
● Cooling



● 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
			UOMH24FXZHJ
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

OUTDOOR UNIT
UOMH24FXZHJ

12. Safety devices

Type of protection	Protection form		Model
			UOMH24FXZHJ
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 $^{+18}_{-16}$ °F (116 $^{+10}_{-9}$ °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.

OUTDOOR UNIT
UOMH24FXZHJ

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

OUTDOOR UNIT
UOMH24FXZHJ

14. Outdoor unit installation precautions

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

14-1. Places where prohibited for use

- Places where there is a danger of combustible gas leakage.
- Places where sulfur gas, chlorine gas, acid, alkali, or other matter which effects equipment is generated.
- Places not affected by heat radiation from other heat sources.
- Places where the air is not stagnant.
- Places where machinery which generates high frequencies is used.
- Ocean beaches and other areas where there is a lot of salt.
- Inside of vehicles, ships, and other conveyances.
- Places where voltage fluctuations are product.

OUTDOOR UNIT
UOMH24FXZHJ

14-2. Points to remember when installing

- The product shall be installed at a place which can withstand the weight and vibration of the outdoor unit.
- To allow maintenance after refrigerant piping, drain piping, and electric wiring connection and installation, provide an installation service space.
  *Installation service space is shown in "Installation space" on page 178.
- Be careful when installing the set at the following places.

Condition	Contents	Countermeasures (Reference)
When installed near adjacent houses.	Perform installation work so that operating sound does not disturb the neighbors.	1. Install a soundproof barrier. 2. Change the installation site.
When there is the possibility of strong wind.	• If the outdoor unit is exposed to strong wind, capacity may drop, frost may form during heating, and operation may be stopped by high pressure rise. In addition, when a very strong wind blows, the fan may be damaged. • When a very strong wind blows, there is the possibility of the outdoor unit being toppled over if held only by foundation bolts.	1. Install the outdoor unit with keeping a sufficient distance between the outlet side of the unit and a facing wall or fence. 2. Make the outlet direction and wind direction perpendicular. 3. Fasten the outdoor unit using toppling prevention hardware (purchased locally).
When snow accumulates.	If the outdoor unit is covered by accumulated snow, it may not be able to operate.	1. Make the foundation as high as possible. 2. Perform snow prevention work.
When installing the inverter type.	It may generate noise in TV sets, stereos and PCs.	The inverter type should be installed at a sufficient distance from these equipments.

Part 4. OUTDOOR UNIT (4 ROOMS TYPE)

MULTI TYPE:

UOMH36FXZHJ

1. Specifications

Type					Inverter heat pump		
Model name					UOMH36FXZHJ		
Power source					1Ø 208/230 V 60 Hz		
Available voltage range					187—253V		
Connectable indoor unit				Number	2 to 4		
				Total capacity range	27,000 to 39,000 Btu/h		
Combination of indoor unit					Non-duct UIWH09AVFJ × 4	Duct RIDH09AVFJ × 4	Mix
Capacity		Cooling	Rated	Btu/h	35,200		
				kW	10.3		
			Min.—Max.	Btu/h	12,000—39,000		
				kW	3.5—10.6		
		Heating	Rated	Btu/h	36,400		
				kW	10.7		
			Min—Max.	Btu/h	12,000—42,000		
				kW	3.5—12.3		
Input power		Cooling	Rated	kW	2.70	2.93	2.81
			Max.		3.47	3.53	3.50
		Heating	Rated		2.67	2.74	2.70
			Max.		3.29	3.35	3.32
Current		Cooling	Rated	A	11.9	12.9	12.4
		Heating			11.8	12.1	11.8
EER		Cooling	Rated	Btu/W	13.0	12.0	12.5
SEER *1		Cooling		-	20.0	18.0	19.0
COP		Heating	Rated	W/W	4.00	3.88	3.94
HSPF *1		Heating		-	10.3	9.3	9.8
Starting current				A	12.9		
Maximum operating current *2				A	26.0		
Fan	Type × Q'ty				Propeller × 1		
	Airflow rate	Cooling		CFM (m^3/h)	2,472 (4,200)		
		Heating			2,472 (4,200)		
	Motor	Type × Quantity			DC motor × 1		
		Output		W	111		
Sound pressure level		Cooling	Rated	dB (A)	53		
		Heating			55		
Heat exchanger	Dimension	(H x W x D)		in (mm)	38-1/16 × 36-5/16 × 2-3/16 (966 × 922 × 55)		
	Fin pitch			FPI	1.45		
	Rows × Stages				2 × 38		
	Pipe type (Material)				Grooved H-pin (Copper)		
	Fin	Type (Material)			Corrugate (Aluminum)		
		Surface treatment			Corrosion resistance (Blue fin)		
Compressor	Type × Quantity				DC twin rotary × 1		
	Motor output			W	2,100		
Refrigerant		Type			R410A		
		Charge		lb (g)	8 lb 13 oz (4,000)		
Refrigerant oil		Type			RB68		
		Amount		in^3 (cm^3)	70.1 (1,150)		
Enclosure		Material			Painted galvanized steel		
		Color			Beige (Approximate color of Munsell 10YR 7.5/1.0 NN)		
Dimensions	Net	(H x W x D)		in (mm)	39-5/16 × 38-3/16 × 14-9/16 (998 × 970 × 370)		
	Gross				45-3/4 × 45-1/4 × 18-13/16 (1,162 × 1,150 × 478)		
Weight	Net			lb (kg)	205 (93)		
	Gross				229 (104)		
Connection pipe	Size	Liquid		in (mm)	Ø1/4 (Ø6.35) × 4		
		Gas			Ø3/8 (Ø9.52) × 3 + Ø1/2 (Ø12.70) × 1		
	Method				Flare		
	Pre-charge length (Total)			ft (m)	164 (50)		
	Max. length (Total)				230 (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		°F (°C)	14 to 115 (-10 to 46)		
		Heating			-15 to 75 (-26 to 24)		

NOTES:

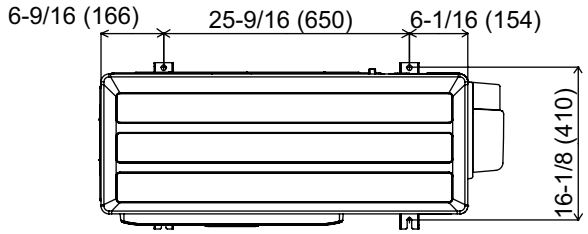
- Specifications are based on the following conditions:
  - Power source of specifications : 230 V
  - Pipe length : 24.6 ft (7.5 m), Height difference : 0 ft (0 m) [Outdoor unit - Indoor unit]
  - Cooling: Indoor temperature of 80 °FDB (26.7 °CDB) / 67 °FWB (19.4 °CWB), and outdoor temperature of 95 °FDB (35°CDB) / 75 °FWB (23.9 °CWB).
  - 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).
- *1: Test conditions are based on AHRI 210/240.
- *2: Maximum operating current is the total current of the indoor unit and the outdoor unit.
- For other combination, refer to the combination table.
- The protective function might work when using it outside the operation range.

OUTDOOR UNIT UOMH36FXZHJ

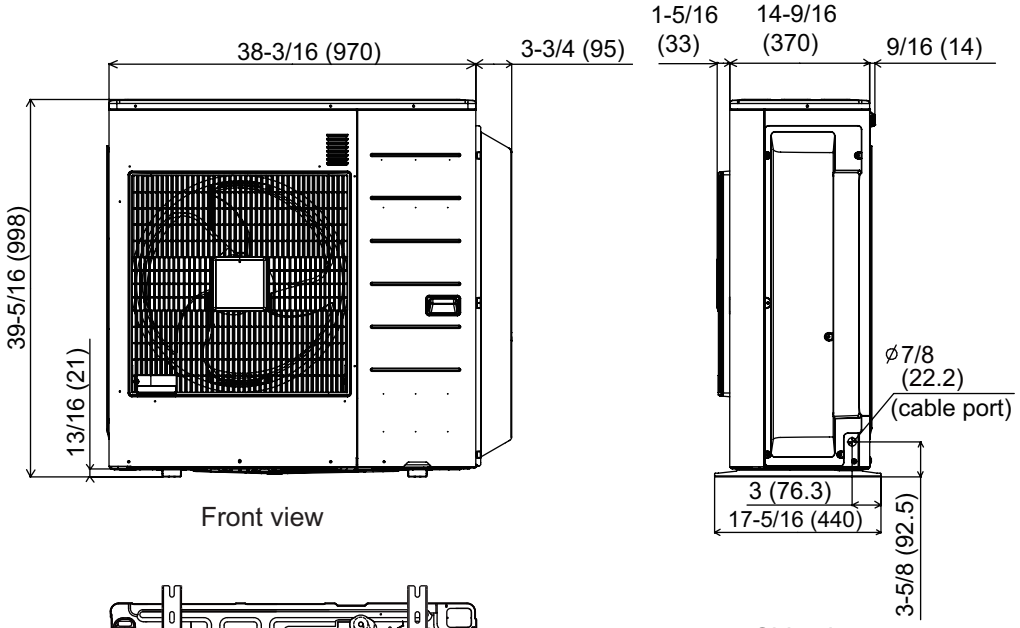
2. Dimensions

2-1. Model: UOMH36FXZHJ

Unit: in (mm)

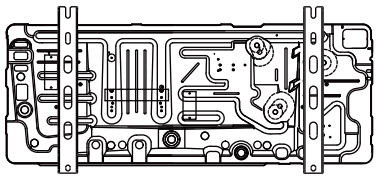


Top view

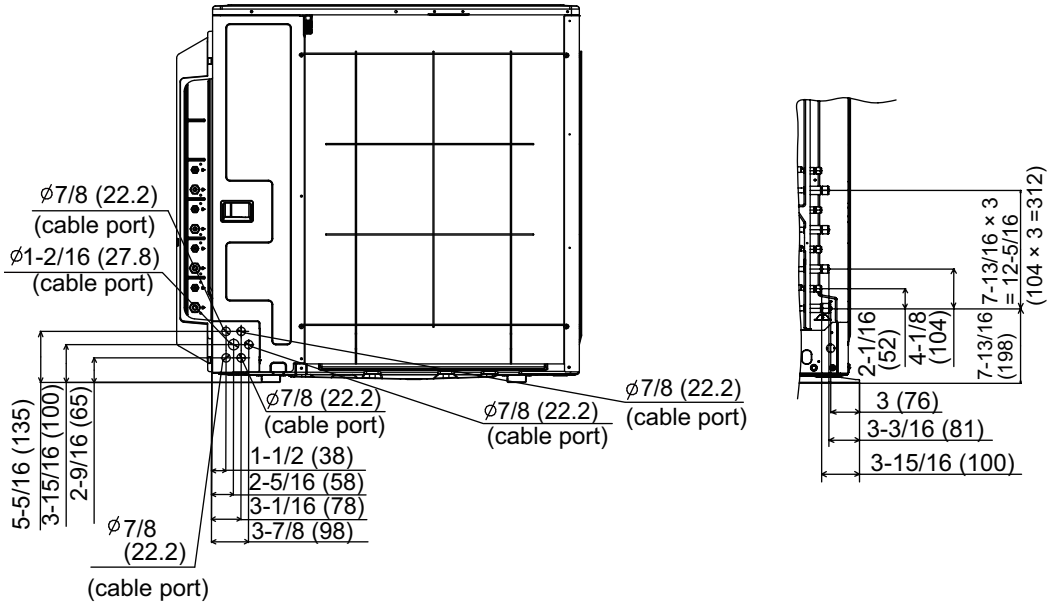


Front view

Side view



Bottom view



Rear view

OUTDOOR UNIT
UOMH36FXZHJ

3. Installation space

3-1. Model: UOMH36FXZHJ

■ Space requirement

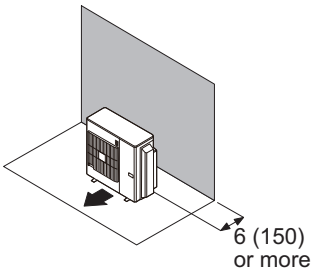
Provide sufficient installation space for product safety.

● Single outdoor unit installation

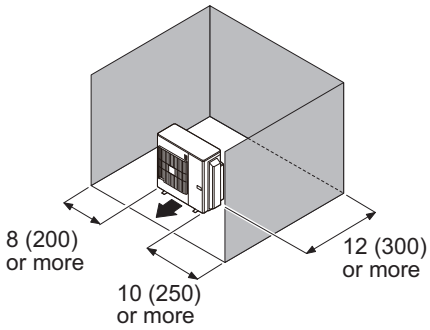
- **When the upper space is open:**

Unit: in (mm)

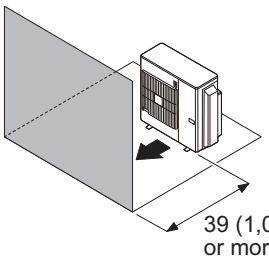
When there are obstacles at the rear only.



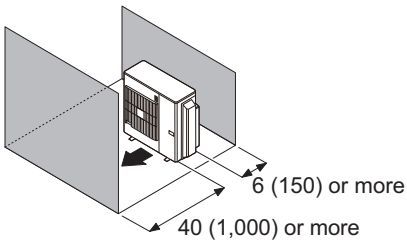
When there are obstacles at the rear and sides.



When there are obstacles at the front only.



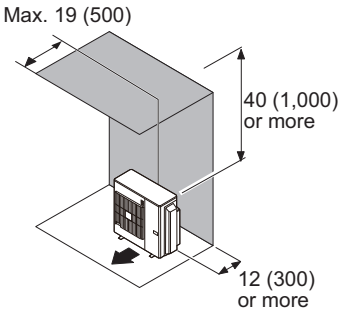
When there are obstacles at the front and rear.



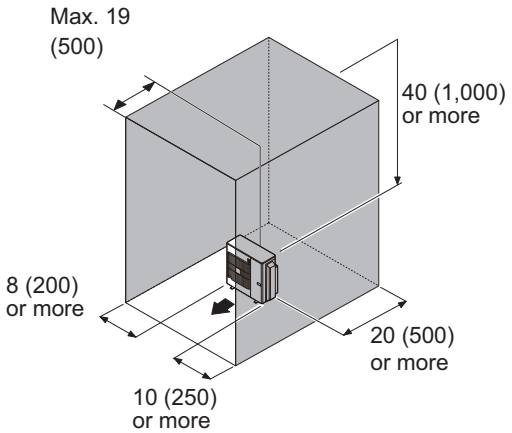
- **When there is an obstruction in the upper space:**

Unit: in (mm)

When there are obstacles at the rear and above.



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



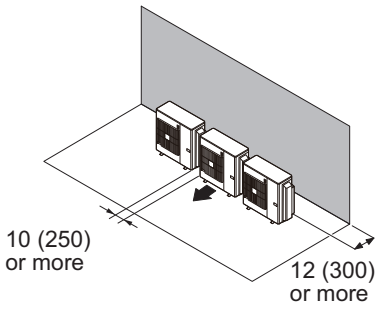
OUTDOOR UNIT
UOMH36FXZHJ

● Multiple outdoor unit installation

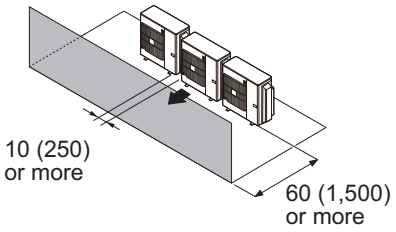
- **When the upper space is open:**

Unit: in (mm)

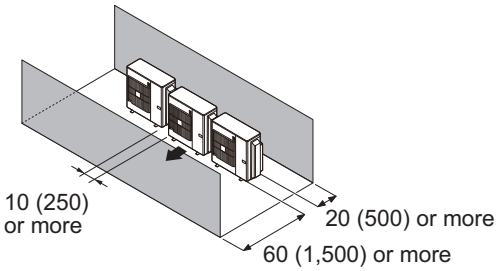
When there are obstacles at the rear only.



When there are obstacles at the front only.



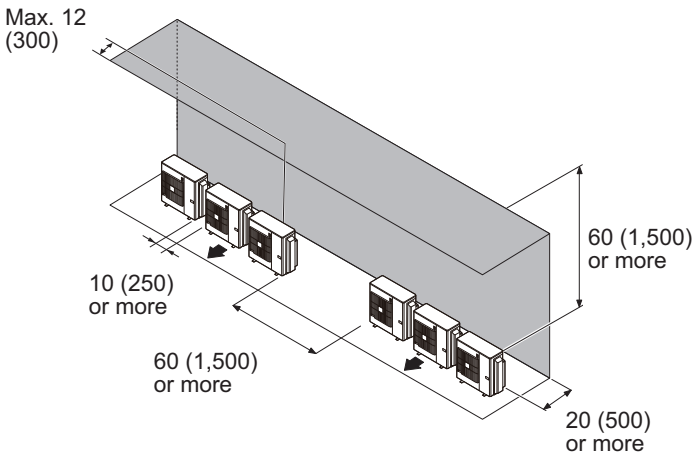
When there are obstacles at the front and rear.



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

Unit: in (mm)

When there are obstacles at the rear and above.

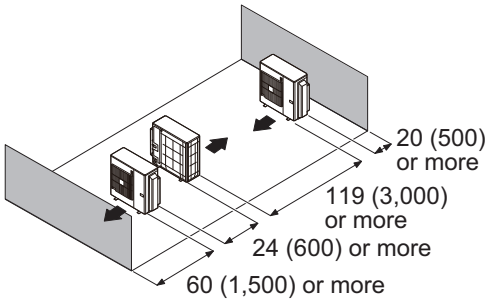


OUTDOOR UNIT
UOMH36FXZHJ

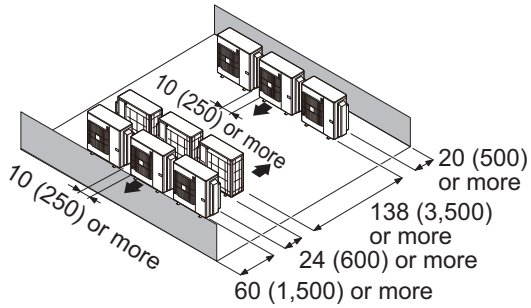
● Outdoor unit installation in multi-row

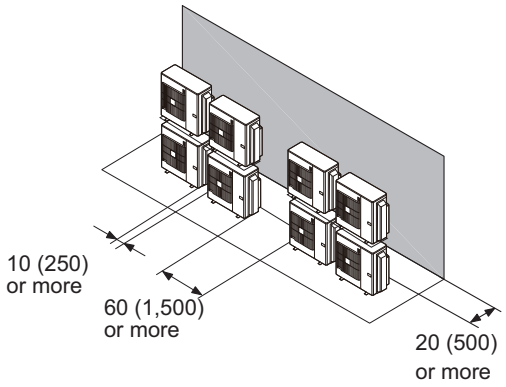
Unit: in (mm)

Single parallel unit arrangement



Multiple parallel unit arrangement



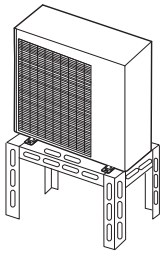


NOTES:

- 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

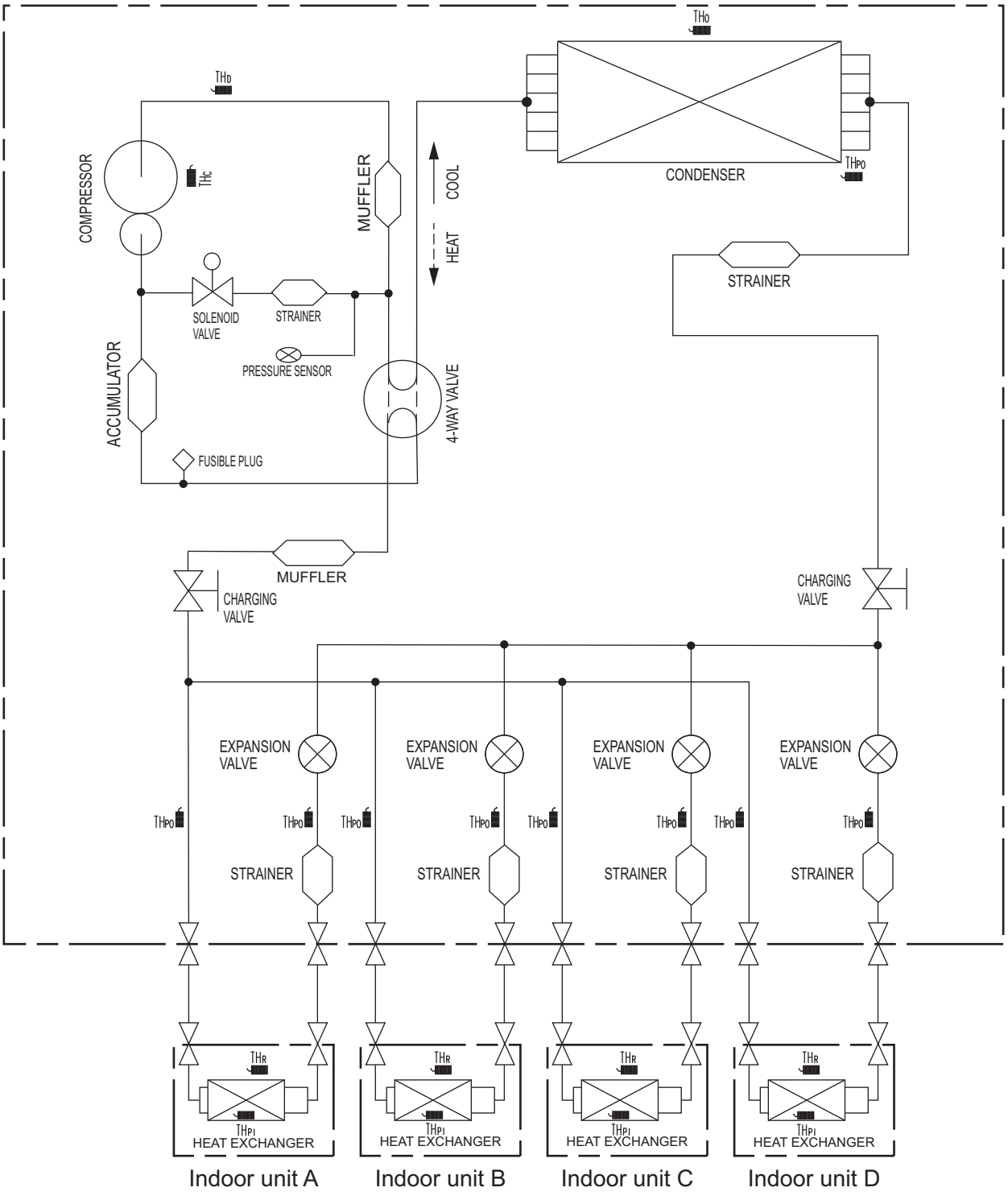
- Do not install the outdoor unit in two-stage where the drain water could freeze. Otherwise the drainage from the upper unit may form ice and cause a malfunction of the lower unit.
- When the outdoor temperature is 32 °F (0 °C) or less, do not use the accessory drain pipe and drain cap. If the drain 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
UOMH36FXZHJ

4. Refrigerant circuit

4-1. Model: UOMH36FXZHJ

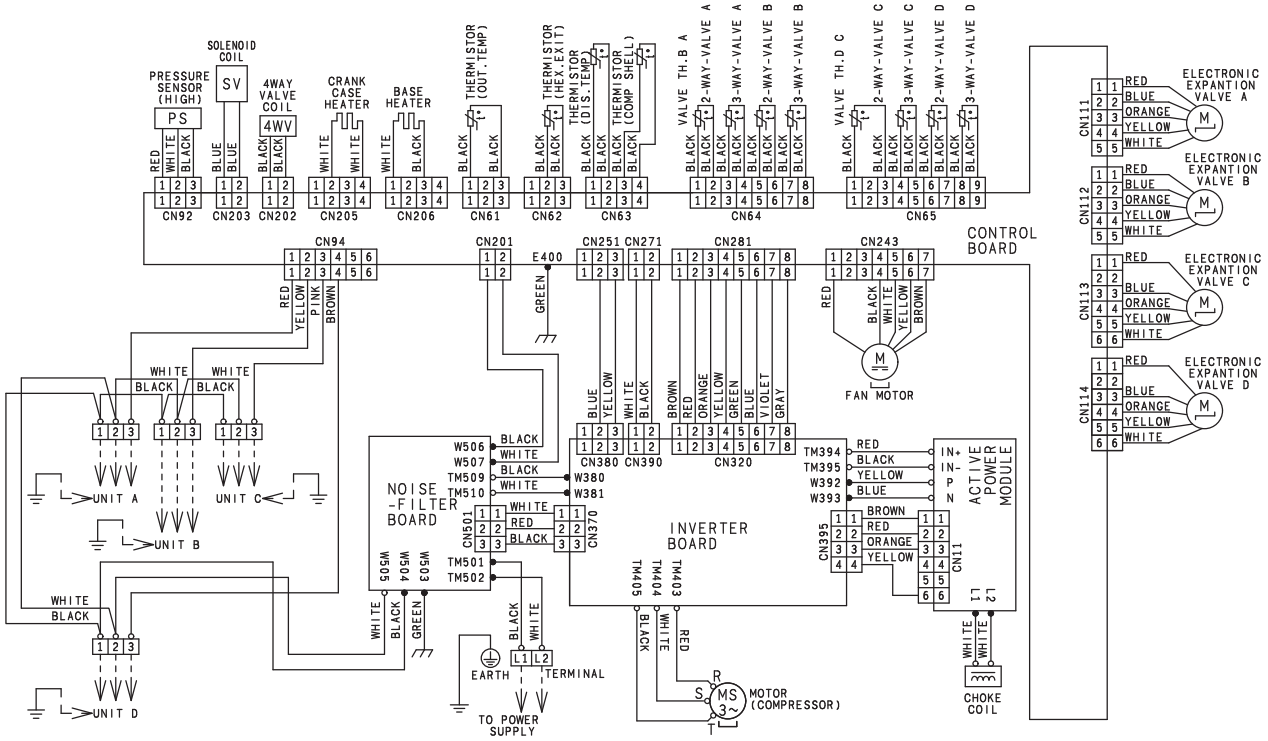


THD : THERMISTOR (DISCHARGE TEMP.)
THo : THERMISTOR (OUTDOOR TEMP.)
THPo : THERMISTOR (PIPE TEMP.)
THc : THERMISTOR (COMPRESSER TEMP.)
THR : THERMISTOR (ROOM TEMP.)
THPI : THERMISTOR (PIPE TEMP.)

OUTDOOR UNIT UOMH36FXZHJ

5. Wiring diagram

5-1. Model: UOMH36FXZHJ



OUTDOOR UNIT
UOMH36FXZHJ

6. Capacity table

6-1. Combinations

■ Model: UOMH36FXZHJ

● 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)		
room				Total	room				room				Min.	Rated	Max.	Min.	Rated	Max.
1	2	3	4		1	2	3	4	1	2	3	4						
7	24	—	—	31	6.8	23.5	—	—	7.6	26.0	—	—	12.0	30.3	33.6	0.80	2.27	2.77
9	24	—	—	33	8.8	23.5	—	—	9.8	26.0	—	—	12.0	32.3	35.8	0.80	2.47	3.03
12	24	—	—	36	11.7	23.5	—	—	13.0	26.0	—	—	12.0	35.2	39.0	0.80	2.81	3.47
15	24	—	—	39	13.5	21.7	—	—	15.0	24.0	—	—	12.0	35.2	39.0	0.80	2.81	3.47
18	18	—	—	36	17.6	17.6	—	—	19.5	19.5	—	—	12.0	35.2	39.0	0.80	2.81	3.47
7	7	15	—	29	6.9	6.9	14.7	—	7.6	7.6	16.2	—	12.0	28.4	31.4	0.80	2.03	2.51
7	7	18	—	32	6.8	6.8	17.6	—	7.6	7.6	19.5	—	12.0	31.3	34.7	0.80	2.32	2.90
7	7	24	—	38	6.5	6.5	22.2	—	7.2	7.2	24.6	—	12.0	35.2	39.0	0.80	2.76	3.47
7	9	12	—	28	6.9	8.8	11.7	—	7.6	9.7	13.0	—	12.0	27.4	30.3	0.80	1.93	2.38
7	9	15	—	31	6.8	8.8	14.7	—	7.6	9.8	16.3	—	12.0	30.3	33.6	0.80	2.22	2.77
7	9	18	—	34	6.8	8.8	17.6	—	7.6	9.7	19.5	—	12.0	33.2	36.8	0.80	2.52	3.16
7	12	12	—	31	6.8	11.7	11.7	—	7.6	13.0	13.0	—	12.0	30.3	33.6	0.80	2.22	2.77
7	12	15	—	34	6.8	11.7	14.6	—	7.6	13.0	16.2	—	12.0	33.2	36.8	0.80	2.52	3.16
7	12	18	—	37	6.7	11.4	17.1	—	7.4	12.6	19.0	—	12.0	35.2	39.0	0.80	2.76	3.47
9	9	9	—	27	8.8	8.8	8.8	—	9.8	9.8	9.8	—	12.0	26.4	29.3	0.80	1.82	2.25
9	9	12	—	30	8.8	8.8	11.7	—	9.8	9.8	13.0	—	12.0	29.3	32.5	0.80	2.12	2.64
9	9	15	—	33	8.8	8.8	14.7	—	9.8	9.8	16.3	—	12.0	32.3	35.8	0.80	2.42	3.03
9	9	18	—	36	8.8	8.8	17.6	—	9.8	9.8	19.5	—	12.0	35.2	39.0	0.80	2.76	3.47
9	12	12	—	33	8.8	11.7	11.7	—	9.8	13.0	13.0	—	12.0	32.3	35.8	0.80	2.42	3.03
9	12	15	—	36	8.8	11.7	14.7	—	9.8	13.0	16.3	—	12.0	35.2	39.0	0.80	2.76	3.47
9	12	18	—	39	8.1	10.8	16.2	—	9.0	12.0	18.0	—	12.0	35.2	39.0	0.80	2.76	3.47
12	12	12	—	36	11.7	11.7	11.7	—	13.0	13.0	13.0	—	12.0	35.2	39.0	0.80	2.76	3.47
12	12	15	—	39	10.8	10.8	13.5	—	12.0	12.0	15.0	—	12.0	35.2	39.0	0.80	2.76	3.47
7	7	7	7	28	6.9	6.9	6.9	6.9	7.6	7.6	7.6	7.6	12.0	27.4	30.3	0.80	1.89	2.38
7	7	7	9	30	6.8	6.8	6.8	8.8	7.6	7.6	7.6	9.8	12.0	29.3	32.5	0.80	2.08	2.64
7	7	7	12	33	6.9	6.9	6.9	11.7	7.6	7.6	7.6	13.0	12.0	32.3	35.8	0.80	2.37	3.03
7	7	7	15	36	6.8	6.8	6.8	14.7	7.6	7.6	7.6	16.3	12.0	35.2	39.0	0.80	2.70	3.47
7	7	7	18	39	6.3	6.3	6.3	16.2	7.0	7.0	7.0	18.0	12.0	35.2	39.0	0.80	2.70	3.47
7	7	9	9	32	6.8	6.8	8.8	8.8	7.6	7.6	9.8	9.8	12.0	31.3	34.7	0.80	2.27	2.90
7	7	9	12	35	6.8	6.8	8.8	11.7	7.6	7.6	9.7	13.0	12.0	34.2	37.9	0.80	2.62	3.29
7	7	9	15	38	6.5	6.5	8.3	13.9	7.2	7.2	9.2	15.4	12.0	35.2	39.0	0.80	2.70	3.47
7	7	12	12	38	6.5	6.5	11.1	11.1	7.2	7.2	12.3	12.3	12.0	35.2	39.0	0.80	2.70	3.47
7	9	9	9	34	6.8	8.8	8.8	8.8	7.6	9.7	9.7	9.7	12.0	33.2	36.8	0.80	2.47	3.16
7	9	9	12	37	6.7	8.6	8.6	11.4	7.4	9.5	9.5	12.6	12.0	35.2	39.0	0.80	2.70	3.47
9	9	9	9	36	8.8	8.8	8.8	8.8	9.8	9.8	9.8	9.8	12.0	35.2	39.0	0.80	2.70	3.47
9	9	9	12	39	8.1	8.1	8.1	10.9	9.0	9.0	9.0	12.0	12.0	35.2	39.0	0.80	2.70	3.47

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)		
room				Total	room				room				Min.	Rated	Max.	Min.	Rated	Max.
1	2	3	4		1	2	3	4	1	2	3	4						
7	24	—	—	31	6.8	23.5	—	—	7.6	26.0	—	—	12.0	30.3	33.6	0.80	2.46	2.83
9	24	—	—	33	8.8	23.5	—	—	9.8	26.0	—	—	12.0	32.3	35.8	0.80	2.68	3.09
12	24	—	—	36	11.7	23.5	—	—	13.0	26.0	—	—	12.0	35.2	39.0	0.80	3.05	3.53
18	18	—	—	36	17.6	17.6	—	—	19.5	19.5	—	—	12.0	35.2	39.0	0.80	3.05	3.53
7	7	18	—	32	6.8	6.8	17.6	—	7.6	7.6	19.5	—	12.0	31.3	34.7	0.80	2.52	2.96
7	7	24	—	38	6.5	6.5	22.2	—	7.2	7.2	24.6	—	12.0	35.2	39.0	0.80	2.99	3.53
7	9	12	—	28	6.9	8.8	11.7	—	7.6	9.7	13.0	—	12.0	27.4	30.3	0.80	2.09	2.44
7	9	18	—	34	6.8	8.8	17.6	—	7.6	9.7	19.5	—	12.0	33.2	36.8	0.80	2.73	3.22
7	12	12	—	31	6.8	11.7	11.7	—	7.6	13.0	13.0	—	12.0	30.3	33.6	0.80	2.41	2.83
7	12	18	—	37	6.7	11.4	17.1	—	7.4	12.6	19.0	—	12.0	35.2	39.0	0.80	2.99	3.53
9	9	9	—	27	8.8	8.8	8.8	—	9.8	9.8	9.8	—	12.0	26.4	29.3	0.80	1.97	2.31
9	9	12	—	30	8.8	8.8	11.7	—	9.8	9.8	13.0	—	12.0	29.3	32.5	0.80	2.30	2.70
9	9	18	—	36	8.8	8.8	17.6	—	9.8	9.8	19.5	—	12.0	35.2	39.0	0.80	2.99	3.53
9	12	12	—	33	8.8	11.7	11.7	—	9.8	13.0	13.0	—	12.0	32.3	35.8	0.80	2.62	3.09
9	12	18	—	39	8.1	10.8	16.2	—	9.0	12.0	18.0	—	12.0	35.2	39.0	0.80	2.99	3.53
12	12	12	—	36	11.7	11.7	11.7	—	13.0	13.0	13.0	—	12.0	35.2	39.0	0.80	2.99	3.53
7	7	7	7	28	6.9	6.9	6.9	6.9	7.6	7.6	7.6	7.6	12.0	27.4	30.3	0.80	2.05	2.44
7	7	7	9	30	6.8	6.8	6.8	8.8	7.6	7.6	7.6	9.8	12.0	29.3	32.5	0.80	2.25	2.70
7	7	7	12	33	6.9	6.9	6.9	11.7	7.6	7.6	7.6	13.0	12.0	32.3	35.8	0.80	2.57	3.09
7	7	7	18	39	6.3	6.3	6.3	16.2	7.0	7.0	7.0	18.0	12.0	35.2	39.0	0.80	2.93	3.53
7	7	9	9	32	6.8	6.8	8.8	8.8	7.6	7.6	9.8	9.8	12.0	31.3	34.7	0.80	2.47	2.96
7	7	9	12	35	6.8	6.8	8.8	11.7	7.6	7.6	9.7	13.0	12.0	34.2	37.9	0.80	2.85	3.35
7	7	12	12	38	6.5	6.5	11.1	11.1	7.2	7.2	12.3	12.3	12.0	35.2	39.0	0.80	2.93	3.53
7	9	9	9	34	6.8	8.8	8.8	8.8	7.6	9.7	9.7	9.7	12.0	33.2	36.8	0.80	2.68	3.22
7	9	9	12	37	6.7	8.6	8.6	11.4	7.4	9.5	9.5	12.6	12.0	35.2	39.0	0.80	2.93	3.53

OUTDOOR UNIT
UOMH36FXZHJ

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)		
room				Total	room				room				Min.	Rated	Max.	Min.	Rated	Max.
1	2	3	4		1	2	3	4	1	2	3	4						
9	9	9	9	36	8.8	8.8	8.8	8.8	9.8	9.8	9.8	9.8	12.0	35.2	39.0	0.80	2.93	3.53
9	9	9	12	39	8.1	8.1	8.1	10.9	9.0	9.0	9.0	12.0	12.0	35.2	39.0	0.80	2.93	3.53

NOTES:

- 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, 24: 24,000 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 a indoor unit is from 27,000 Btu up to 39,000 Btu.
- Non-ducted system combinations input are based on wall mounted models. The input of combinations including cassette models may be a little higher.
- Ducted system combinations capacities are based on slim duct units.

OUTDOOR UNIT
UOMH36FXZHJ

■ Model: UOMH36FXZHJ

● 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)		
room				Total	room				room				Min.	Rated	Max.	Min.	Rated	Max.
1	2	3	4		1	2	3	4	1	2	3	4						
7	24	—	—	31	7.1	24.2	—	—	8.2	28.0	—	—	12.0	31.3	36.2	0.70	2.35	2.78
9	24	—	—	33	9.1	24.3	—	—	10.5	28.0	—	—	12.0	33.4	38.5	0.70	2.53	2.99
12	24	—	—	36	12.1	24.3	—	—	14.0	28.0	—	—	12.0	36.4	42.0	0.70	2.78	3.29
15	24	—	—	39	14.0	22.4	—	—	16.2	25.8	—	—	12.0	36.4	42.0	0.70	2.78	3.29
18	18	—	—	36	18.2	18.2	—	—	21.0	21.0	—	—	12.0	36.4	42.0	0.70	2.78	3.29
7	7	15	—	29	7.1	7.1	15.2	—	8.2	8.2	17.5	—	12.0	29.3	33.8	0.70	2.14	2.58
7	7	18	—	32	7.1	7.1	18.2	—	8.2	8.2	21.0	—	12.0	32.4	37.3	0.70	2.40	2.88
7	7	24	—	38	6.7	6.7	23.0	—	7.7	7.7	26.5	—	12.0	36.4	42.0	0.70	2.72	3.29
7	9	12	—	28	7.1	9.1	12.1	—	8.2	10.5	14.0	—	12.0	28.3	32.7	0.70	2.05	2.48
7	9	15	—	31	7.1	9.1	15.1	—	8.2	10.5	17.5	—	12.0	31.3	36.2	0.70	2.30	2.78
7	9	18	—	34	7.1	9.1	18.2	—	8.2	10.5	21.0	—	12.0	34.4	39.7	0.70	2.56	3.09
7	12	12	—	31	7.1	12.1	12.1	—	8.2	14.0	14.0	—	12.0	31.3	36.2	0.70	2.30	2.78
7	12	15	—	34	7.1	12.1	15.2	—	8.2	14.0	17.5	—	12.0	34.4	39.7	0.70	2.56	3.09
7	12	18	—	37	6.9	11.8	17.7	—	7.9	13.6	20.4	—	12.0	36.4	42.0	0.70	2.72	3.29
9	9	9	—	27	9.1	9.1	9.1	—	10.5	10.5	10.5	—	12.0	27.3	31.5	0.70	1.97	2.38
9	9	12	—	30	9.1	9.1	12.1	—	10.5	10.5	14.0	—	12.0	30.3	35.0	0.70	2.22	2.68
9	9	15	—	33	9.1	9.1	15.2	—	10.5	10.5	17.5	—	12.0	33.4	38.5	0.70	2.48	2.99
9	9	18	—	36	9.1	9.1	18.2	—	10.5	10.5	21.0	—	12.0	36.4	42.0	0.70	2.72	3.29
9	12	12	—	33	9.1	12.1	12.1	—	10.5	14.0	14.0	—	12.0	33.4	38.5	0.70	2.48	2.99
9	12	15	—	36	9.1	12.1	15.2	—	10.5	14.0	17.5	—	12.0	36.4	42.0	0.70	2.72	3.29
9	12	18	—	39	8.4	11.2	16.8	—	9.7	12.9	19.4	—	12.0	36.4	42.0	0.70	2.72	3.29
12	12	12	—	36	12.1	12.1	12.1	—	14.0	14.0	14.0	—	12.0	36.4	42.0	0.70	2.72	3.29
12	12	15	—	39	11.2	11.2	14.0	—	12.9	12.9	16.2	—	12.0	36.4	42.0	0.70	2.72	3.29
7	7	7	7	28	7.1	7.1	7.1	7.1	8.2	8.2	8.2	8.2	12.0	28.3	32.7	0.70	2.01	2.48
7	7	7	9	30	7.1	7.1	7.1	9.1	8.2	8.2	8.2	10.5	12.0	30.3	35.0	0.70	2.18	2.68
7	7	7	12	33	7.1	7.1	7.1	12.1	8.2	8.2	8.2	14.0	12.0	33.4	38.5	0.70	2.43	2.99
7	7	7	15	36	7.1	7.1	7.1	15.2	8.2	8.2	8.2	17.5	12.0	36.4	42.0	0.70	2.67	3.29
7	7	7	18	39	6.5	6.5	6.5	16.8	7.5	7.5	7.5	19.4	12.0	36.4	42.0	0.70	2.67	3.29
7	7	9	9	32	7.1	7.1	9.1	9.1	8.2	8.2	10.5	10.5	12.0	32.4	37.3	0.70	2.35	2.88
7	7	9	12	35	7.1	7.1	9.1	12.1	8.2	8.2	10.5	14.0	12.0	35.4	40.8	0.70	2.72	3.19
7	7	9	15	38	6.7	6.7	8.6	14.4	7.7	7.7	9.9	16.6	12.0	36.4	42.0	0.70	2.67	3.29
7	7	12	12	38	6.7	6.7	11.5	11.5	7.7	7.7	13.3	13.3	12.0	36.4	42.0	0.70	2.67	3.29
7	9	9	9	34	7.1	9.1	9.1	9.1	8.2	10.5	10.5	10.5	12.0	34.4	39.7	0.70	2.51	3.09
7	9	9	12	37	6.9	8.9	8.9	11.8	7.9	10.2	10.2	13.6	12.0	36.4	42.0	0.70	2.67	3.29
9	9	9	9	36	9.1	9.1	9.1	9.1	10.5	10.5	10.5	10.5	12.0	36.4	42.0	0.70	2.67	3.29
9	9	9	12	39	8.4	8.4	8.4	11.2	9.7	9.7	9.7	12.9	12.0	36.4	42.0	0.70	2.67	3.29

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)		
room				Total	room				room				Min.	Rated	Max.	Min.	Rated	Max.
1	2	3	4		1	2	3	4	1	2	3	4						
7	24	—	—	31	7.1	24.2	—	—	8.2	28.0	—	—	12.0	31.3	36.2	0.70	2.42	2.84
9	24	—	—	33	9.1	24.3	—	—	10.5	28.0	—	—	12.0	33.4	38.5	0.70	2.60	3.04
12	24	—	—	36	12.1	24.3	—	—	14.0	28.0	—	—	12.0	36.4	42.0	0.70	2.85	3.35
18	18	—	—	36	18.2	18.2	—	—	21.0	21.0	—	—	12.0	36.4	42.0	0.70	2.85	3.35
7	7	18	—	32	7.1	7.1	18.2	—	8.2	8.2	21.0	—	12.0	32.4	37.3	0.70	2.46	2.94
7	7	24	—	38	6.7	6.7	23.0	—	7.7	7.7	26.5	—	12.0	36.4	42.0	0.70	2.80	3.35
7	9	12	—	28	7.1	9.1	12.1	—	8.2	10.5	14.0	—	12.0	28.3	32.7	0.70	2.12	2.54
7	9	18	—	34	7.1	9.1	18.2	—	8.2	10.5	21.0	—	12.0	34.4	39.7	0.70	2.63	3.14
7	12	12	—	31	7.1	12.1	12.1	—	8.2	14.0	14.0	—	12.0	31.3	36.2	0.70	2.37	2.84
7	12	18	—	37	6.9	11.8	17.7	—	7.9	13.6	20.4	—	12.0	36.4	42.0	0.70	2.80	3.35
9	9	9	—	27	9.1	9.1	9.1	—	10.5	10.5	10.5	—	12.0	27.3	31.5	0.70	2.04	2.44
9	9	12	—	30	9.1	9.1	12.1	—	10.5	10.5	14.0	—	12.0	30.3	35.0	0.70	2.29	2.74
9	9	18	—	36	9.1	9.1	18.2	—	10.5	10.5	21.0	—	12.0	36.4	42.0	0.70	2.80	3.35
9	12	12	—	33	9.1	12.1	12.1	—	10.5	14.0	14.0	—	12.0	33.4	38.5	0.70	2.55	3.04
9	12	18	—	39	8.4	11.2	16.8	—	9.7	12.9	19.4	—	12.0	36.4	42.0	0.70	2.80	3.35
12	12	12	—	36	12.1	12.1	12.1	—	14.0	14.0	14.0	—	12.0	36.4	42.0	0.70	2.80	3.35
7	7	7	7	28	7.1	7.1	7.1	7.1	8.2	8.2	8.2	8.2	12.0	28.3	32.7	0.70	2.08	2.54
7	7	7	9	30	7.1	7.1	7.1	9.1	8.2	8.2	8.2	10.5	12.0	30.3	35.0	0.70	2.24	2.74
7	7	7	12	33	7.1	7.1	7.1	12.1	8.2	8.2	8.2	14.0	12.0	33.4	38.5	0.70	2.49	3.04
7	7	7	18	39	6.5	6.5	6.5	16.8	7.5	7.5	7.5	19.4	12.0	36.4	42.0	0.70	2.74	3.35
7	7	9	9	32	7.1	7.1	9.1	9.1	8.2	8.2	10.5	10.5	12.0	32.4	37.3	0.70	2.42	2.94
7	7	9	12	35	7.1	7.1	9.1	12.1	8.2	8.2	10.5	14.0	12.0	35.4	40.8	0.70	2.95	3.24
7	7	12	12	38	6.7	6.7	11.5	11.5	7.7	7.7	13.3	13.3	12.0	36.4	42.0	0.70	2.74	3.35
7	9	9	9	34	7.1	9.1	9.1	9.1	8.2	10.5	10.5	10.5	12.0	34.4	39.7	0.70	2.57	3.14
7	9	9	12	37	6.9	8.9	8.9	11.8	7.9	10.2	10.2	13.6	12.0	36.4	42.0	0.70	2.74	3.35
9	9	9	9	36	9.1	9.1	9.1	9.1	10.5	10.5	10.5	10.5	12.0	36.4	42.0	0.70	2.74	3.35
9	9	9	12	39	8.4	8.4	8.4	11.2	9.7	9.7	9.7	12.9	12.0	36.4	42.0	0.70	2.74	3.35

OUTDOOR UNIT
UOMH36FXZHJ

NOTES:

- 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, 24: 24,000 Btu/h
- 2 or more 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 27,000 Btu up to 39,000 Btu.
- Non-ducted system combinations input are based on wall mounted models. The input of combinations including cassette models may be a little higher.
- Ducted system combinations capacities are based on slim duct units.

OUTDOOR UNIT
UOMH36FXZHJ

6-2. Cooling capacity

■ Model: UOMH36FXZHJ

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

● Cooling capacity in kBtu/h

TC: Total Capacity (kBtu/h), IP: Input Power (kW)

Indoor unit connecting capacity	Outdoor temperature	Indoor temperature											
		64 °FDB		70 °FDB		75 °FDB		80 °FDB		85 °FDB		90 °FDB	
		54 °FWB		60 °FWB		63 °FWB		67 °FWB		71 °FWB		73 °FWB	
kBtu/h	°FDB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
39	14	30.6	1.24	34.6	1.27	36.4	1.28	39.0	1.29	41.7	1.30	43.0	1.31
	23	30.6	1.24	34.6	1.26	36.4	1.27	39.0	1.28	41.7	1.30	43.0	1.30
	32	30.6	1.23	34.6	1.25	36.4	1.26	39.0	1.28	41.7	1.29	43.0	1.30
	41	30.6	1.37	34.6	1.39	36.4	1.41	39.0	1.42	41.7	1.44	43.0	1.45
	50	30.6	1.51	34.6	1.54	36.4	1.55	39.0	1.57	41.7	1.59	43.0	1.59
	59	30.6	2.08	34.6	2.12	36.4	2.13	39.0	2.16	41.7	2.18	43.0	2.19
	67	30.6	2.65	34.6	2.69	36.4	2.72	39.0	2.75	41.7	2.78	43.0	2.79
	77	30.6	2.92	34.6	2.97	36.4	2.99	39.0	3.03	41.7	3.06	43.0	3.08
	87	30.6	3.19	34.6	3.24	36.4	3.27	39.0	3.31	41.7	3.34	43.0	3.36
	95	30.6	3.40	34.6	3.46	36.4	3.49	39.0	3.53	41.7	3.57	43.0	3.59
	104	28.9	3.71	32.7	3.78	34.5	3.81	36.9	3.85	39.4	3.89	40.7	3.92
	115	27.3	4.02	30.8	4.09	32.5	4.12	34.8	4.17	37.2	4.22	38.4	4.24
38	14	30.6	1.24	34.6	1.27	36.4	1.28	39.0	1.29	41.7	1.30	43.0	1.31
	23	30.6	1.24	34.6	1.26	36.4	1.27	39.0	1.28	41.7	1.30	43.0	1.30
	32	30.6	1.23	34.6	1.25	36.4	1.26	39.0	1.28	41.7	1.29	43.0	1.30
	41	30.6	1.37	34.6	1.39	36.4	1.41	39.0	1.42	41.7	1.44	43.0	1.45
	50	30.6	1.51	34.6	1.54	36.4	1.55	39.0	1.57	41.7	1.59	43.0	1.59
	59	30.6	2.08	34.6	2.12	36.4	2.13	39.0	2.16	41.7	2.18	43.0	2.19
	67	30.6	2.65	34.6	2.69	36.4	2.72	39.0	2.75	41.7	2.78	43.0	2.79
	77	30.6	2.92	34.6	2.97	36.4	2.99	39.0	3.03	41.7	3.06	43.0	3.08
	87	30.6	3.19	34.6	3.24	36.4	3.27	39.0	3.31	41.7	3.34	43.0	3.36
	95	30.6	3.40	34.6	3.46	36.4	3.49	39.0	3.53	41.7	3.57	43.0	3.59
	104	28.9	3.71	32.7	3.78	34.5	3.81	36.9	3.85	39.4	3.89	40.7	3.92
	115	27.3	4.02	30.8	4.09	32.5	4.12	34.8	4.17	37.2	4.22	38.4	4.24
37	14	30.6	1.24	34.6	1.27	36.4	1.28	39.0	1.29	41.7	1.30	43.0	1.31
	23	30.6	1.24	34.6	1.26	36.4	1.27	39.0	1.28	41.7	1.30	43.0	1.30
	32	30.6	1.23	34.6	1.25	36.4	1.26	39.0	1.28	41.7	1.29	43.0	1.30
	41	30.6	1.37	34.6	1.39	36.4	1.41	39.0	1.42	41.7	1.44	43.0	1.45
	50	30.6	1.51	34.6	1.54	36.4	1.55	39.0	1.57	41.7	1.59	43.0	1.59
	59	30.6	2.08	34.6	2.12	36.4	2.13	39.0	2.16	41.7	2.18	43.0	2.19
	67	30.6	2.65	34.6	2.69	36.4	2.72	39.0	2.75	41.7	2.78	43.0	2.79
	77	30.6	2.92	34.6	2.97	36.4	2.99	39.0	3.03	41.7	3.06	43.0	3.08
	87	30.6	3.19	34.6	3.24	36.4	3.27	39.0	3.31	41.7	3.34	43.0	3.36
	95	30.6	3.40	34.6	3.46	36.4	3.49	39.0	3.53	41.7	3.57	43.0	3.59
	104	28.9	3.71	32.7	3.78	34.5	3.81	36.9	3.85	39.4	3.89	40.7	3.92
	115	27.3	4.02	30.8	4.09	32.5	4.12	34.8	4.17	37.2	4.22	38.4	4.24
36	14	30.6	1.24	34.6	1.27	36.4	1.28	39.0	1.29	41.7	1.30	43.0	1.31
	23	30.6	1.24	34.6	1.26	36.4	1.27	39.0	1.28	41.7	1.30	43.0	1.30
	32	30.6	1.23	34.6	1.25	36.4	1.26	39.0	1.28	41.7	1.29	43.0	1.30
	41	30.6	1.37	34.6	1.39	36.4	1.41	39.0	1.42	41.7	1.44	43.0	1.45
	50	30.6	1.51	34.6	1.54	36.4	1.55	39.0	1.57	41.7	1.59	43.0	1.59
	59	30.6	2.08	34.6	2.12	36.4	2.13	39.0	2.16	41.7	2.18	43.0	2.19
	67	30.6	2.65	34.6	2.69	36.4	2.72	39.0	2.75	41.7	2.78	43.0	2.79
	77	30.6	2.92	34.6	2.97	36.4	2.99	39.0	3.03	41.7	3.06	43.0	3.08
	87	30.6	3.19	34.6	3.24	36.4	3.27	39.0	3.31	41.7	3.34	43.0	3.36
	95	30.6	3.40	34.6	3.46	36.4	3.49	39.0	3.53	41.7	3.57	43.0	3.59
	104	28.9	3.71	32.7	3.78	34.5	3.81	36.9	3.85	39.4	3.89	40.7	3.92
	115	27.3	4.02	30.8	4.09	32.5	4.12	34.8	4.17	37.2	4.22	38.4	4.24
35	14	29.7	1.18	33.6	1.20	35.4	1.21	37.9	1.22	40.5	1.24	41.8	1.24
	23	29.7	1.17	33.6	1.19	35.4	1.20	37.9	1.22	40.5	1.23	41.8	1.24
	32	29.7	1.17	33.6	1.19	35.4	1.20	37.9	1.21	40.5	1.22	41.8	1.23
	41	29.7	1.30	33.6	1.32	35.4	1.33	37.9	1.35	40.5	1.36	41.8	1.37
	50	29.7	1.43	33.6	1.46	35.4	1.47	37.9	1.49	40.5	1.50	41.8	1.51
	59	29.7	1.97	33.6	2.01	35.4	2.02	37.9	2.05	40.5	2.07	41.8	2.08
	67	29.7	2.51	33.6	2.56	35.4	2.58	37.9	2.61	40.5	2.63	41.8	2.65
	77	29.7	2.77	33.6	2.82	35.4	2.84	37.9	2.87	40.5	2.90	41.8	2.92
	87	29.7	3.02	33.6	3.08	35.4	3.10	37.9	3.14	40.5	3.17	41.8	3.19
	95	29.7	3.23	33.6	3.28	35.4	3.31	37.9	3.35	40.5	3.39	41.8	3.40
	104	28.1	3.52	31.8	3.58	33.5	3.61	35.9	3.65	38.4	3.69	39.5	3.71
	115	26.5	3.81	30.0	3.88	31.6	3.91	33.8	3.96	36.2	4.00	37.3	4.02
34	14	28.9	1.13	32.6	1.15	34.4	1.16	36.8	1.18	39.4	1.19	40.6	1.20
	23	28.9	1.13	32.6	1.15	34.4	1.16	36.8	1.17	39.4	1.18	40.6	1.19
	32	28.9	1.12	32.6	1.14	34.4	1.15	36.8	1.16	39.4	1.18	40.6	1.18
	41	28.9	1.25	32.6	1.27	34.4	1.28	36.8	1.30	39.4	1.31	40.6	1.32
	50	28.9	1.38	32.6	1.40	34.4	1.41	36.8	1.43	39.4	1.45	40.6	1.45
	59	28.9	1.90	32.6	1.93	34.4	1.94	36.8	1.97	39.4	1.99	40.6	2.00
	67	28.9	2.41	32.6	2.46	34.4	2.48	36.8	2.50	39.4	2.53	40.6	2.55
	77	28.9	2.66	32.6	2.71	34.4	2.73	36.8	2.76	39.4	2.79	40.6	2.81
	87	28.9	2.91	32.6	2.96	34.4	2.98	36.8	3.01	39.4	3.05	40.6	3.07
	95	28.9	3.10	32.6	3.16	34.4	3.18	36.8	3.22	39.4	3.26	40.6	3.27
	104	27.3	3.38	30.9	3.44	32.6	3.47	34.9	3.51	37.3	3.55	38.4	3.57
	115	25.8	3.67	29.1	3.73	30.7	3.76	32.9	3.80	35.1	3.85	36.2	3.87

OUTDOOR UNIT
UOMH36FXZHJ

Indoor unit connecting capacity	Outdoor temperature	Indoor temperature											
		64 °FDB		70 °FDB		75 °FDB		80 °FDB		85 °FDB		90 °FDB	
		54 °FWB		60 °FWB		63 °FWB		67 °FWB		71 °FWB		73 °FWB	
kBtu/h	°FDB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
33	14	28.0	1.09	31.7	1.11	33.4	1.12	35.8	1.13	38.2	1.14	39.4	1.15
	23	28.0	1.08	31.7	1.10	33.4	1.11	35.8	1.12	38.2	1.14	39.4	1.14
	32	28.0	1.08	31.7	1.09	33.4	1.10	35.8	1.12	38.2	1.13	39.4	1.14
	41	28.0	1.20	31.7	1.22	33.4	1.23	35.8	1.24	38.2	1.26	39.4	1.26
	50	28.0	1.32	31.7	1.35	33.4	1.36	35.8	1.37	38.2	1.39	39.4	1.39
	59	28.0	1.82	31.7	1.85	33.4	1.87	35.8	1.89	38.2	1.91	39.4	1.92
	67	28.0	2.32	31.7	2.36	33.4	2.38	35.8	2.40	38.2	2.43	39.4	2.44
	77	28.0	2.55	31.7	2.60	33.4	2.62	35.8	2.65	38.2	2.68	39.4	2.69
	87	28.0	2.79	31.7	2.84	33.4	2.86	35.8	2.89	38.2	2.93	39.4	2.94
	95	28.0	2.98	31.7	3.03	33.4	3.05	35.8	3.09	38.2	3.12	39.4	3.14
	104	26.5	3.25	30.0	3.30	31.6	3.33	33.8	3.37	36.2	3.41	37.3	3.43
	115	25.0	3.52	28.3	3.58	29.8	3.61	31.9	3.65	34.1	3.69	35.2	3.71
32	14	27.2	1.04	30.7	1.06	32.4	1.07	34.7	1.08	37.1	1.09	38.2	1.10
	23	27.2	1.04	30.7	1.05	32.4	1.06	34.7	1.08	37.1	1.09	38.2	1.09
	32	27.2	1.03	30.7	1.05	32.4	1.06	34.7	1.07	37.1	1.08	38.2	1.09
	41	27.2	1.15	30.7	1.17	32.4	1.18	34.7	1.19	37.1	1.21	38.2	1.21
	50	27.2	1.27	30.7	1.29	32.4	1.30	34.7	1.31	37.1	1.33	38.2	1.34
	59	27.2	1.74	30.7	1.77	32.4	1.79	34.7	1.81	37.1	1.83	38.2	1.84
	67	27.2	2.22	30.7	2.26	32.4	2.28	34.7	2.30	37.1	2.33	38.2	2.34
	77	27.2	2.45	30.7	2.49	32.4	2.51	34.7	2.54	37.1	2.57	38.2	2.58
	87	27.2	2.67	30.7	2.72	32.4	2.74	34.7	2.77	37.1	2.80	38.2	2.82
	95	27.2	2.85	30.7	2.90	32.4	2.93	34.7	2.96	37.1	2.99	38.2	3.01
	104	25.7	3.11	29.1	3.17	30.6	3.19	32.8	3.23	35.1	3.26	36.1	3.28
	115	24.3	3.37	27.4	3.43	28.9	3.46	30.9	3.50	33.1	3.54	34.1	3.56
31	14	26.3	1.00	29.8	1.01	31.4	1.02	33.6	1.03	35.9	1.05	37.0	1.05
	23	26.3	0.99	29.8	1.01	31.4	1.02	33.6	1.03	35.9	1.04	37.0	1.05
	32	26.3	0.99	29.8	1.00	31.4	1.01	33.6	1.02	35.9	1.03	37.0	1.04
	41	26.3	1.10	29.8	1.12	31.4	1.13	33.6	1.14	35.9	1.15	37.0	1.16
	50	26.3	1.21	29.8	1.23	31.4	1.24	33.6	1.26	35.9	1.27	37.0	1.28
	59	26.3	1.67	29.8	1.70	31.4	1.71	33.6	1.73	35.9	1.75	37.0	1.76
	67	26.3	2.12	29.8	2.16	31.4	2.18	33.6	2.20	35.9	2.23	37.0	2.24
	77	26.3	2.34	29.8	2.38	31.4	2.40	33.6	2.43	35.9	2.45	37.0	2.47
	87	26.3	2.55	29.8	2.60	31.4	2.62	33.6	2.65	35.9	2.68	37.0	2.69
	95	26.3	2.73	29.8	2.78	31.4	2.80	33.6	2.83	35.9	2.86	37.0	2.88
	104	24.9	2.97	28.2	3.03	29.7	3.05	31.8	3.09	34.0	3.12	35.0	3.14
	115	23.5	3.22	26.6	3.28	28.0	3.31	30.0	3.34	32.0	3.38	33.0	3.40
30	14	25.5	0.95	28.8	0.97	30.4	0.98	32.5	0.99	34.7	1.00	35.8	1.00
	23	25.5	0.95	28.8	0.96	30.4	0.97	32.5	0.98	34.7	0.99	35.8	1.00
	32	25.5	0.94	28.8	0.96	30.4	0.96	32.5	0.98	34.7	0.99	35.8	0.99
	41	25.5	1.05	28.8	1.07	30.4	1.08	32.5	1.09	34.7	1.10	35.8	1.11
	50	25.5	1.16	28.8	1.18	30.4	1.19	32.5	1.20	34.7	1.21	35.8	1.22
	59	25.5	1.59	28.8	1.62	30.4	1.63	32.5	1.65	34.7	1.67	35.8	1.68
	67	25.5	2.03	28.8	2.06	30.4	2.08	32.5	2.10	34.7	2.12	35.8	2.14
	77	25.5	2.23	28.8	2.27	30.4	2.29	32.5	2.31	34.7	2.34	35.8	2.35
	87	25.5	2.44	28.8	2.48	30.4	2.50	32.5	2.53	34.7	2.56	35.8	2.57
	95	25.5	2.60	28.8	2.65	30.4	2.67	32.5	2.70	34.7	2.73	35.8	2.75
	104	24.1	2.84	27.2	2.89	28.7	2.91	30.8	2.94	32.9	2.98	33.9	2.99
	115	22.7	3.07	25.7	3.13	27.1	3.15	29.0	3.19	31.0	3.23	32.0	3.24
29	14	24.6	0.91	27.8	0.92	29.3	0.93	31.4	0.94	33.6	0.95	34.6	0.95
	23	24.6	0.90	27.8	0.92	29.3	0.92	31.4	0.93	33.6	0.94	34.6	0.95
	32	24.6	0.90	27.8	0.91	29.3	0.92	31.4	0.93	33.6	0.94	34.6	0.94
	41	24.6	1.00	27.8	1.02	29.3	1.02	31.4	1.04	33.6	1.05	34.6	1.05
	50	24.6	1.10	27.8	1.12	29.3	1.13	31.4	1.14	33.6	1.15	34.6	1.16
	59	24.6	1.51	27.8	1.54	29.3	1.55	31.4	1.57	33.6	1.59	34.6	1.60
	67	24.6	1.93	27.8	1.96	29.3	1.98	31.4	2.00	33.6	2.02	34.6	2.03
	77	24.6	2.12	27.8	2.16	29.3	2.18	31.4	2.20	33.6	2.23	34.6	2.24
	87	24.6	2.32	27.8	2.36	29.3	2.38	31.4	2.41	33.6	2.43	34.6	2.45
	95	24.6	2.48	27.8	2.52	29.3	2.54	31.4	2.57	33.6	2.60	34.6	2.61
	104	23.3	2.70	26.3	2.75	27.8	2.77	29.7	2.80	31.8	2.84	32.8	2.85
	115	22.0	2.93	24.8	2.98	26.2	3.00	28.0	3.04	30.0	3.07	30.9	3.09
28	14	23.8	0.86	26.9	0.87	28.3	0.88	30.3	0.89	32.4	0.90	33.4	0.91
	23	23.8	0.85	26.9	0.87	28.3	0.88	30.3	0.89	32.4	0.90	33.4	0.90
	32	23.8	0.85	26.9	0.87	28.3	0.87	30.3	0.88	32.4	0.89	33.4	0.90
	41	23.8	0.95	26.9	0.96	28.3	0.97	30.3	0.98	32.4	0.99	33.4	1.00
	50	23.8	1.04	26.9	1.06	28.3	1.07	30.3	1.08	32.4	1.10	33.4	1.10
	59	23.8	1.44	26.9	1.46	28.3	1.47	30.3	1.49	32.4	1.51	33.4	1.52
	67	23.8	1.83	26.9	1.86	28.3	1.88	30.3	1.90	32.4	1.92	33.4	1.93
	77	23.8	2.02	26.9	2.05	28.3	2.07	30.3	2.09	32.4	2.12	33.4	2.13
	87	23.8	2.20	26.9	2.24	28.3	2.26	30.3	2.29	32.4	2.31	33.4	2.32
	95	23.8	2.35	26.9	2.39	28.3	2.41	30.3	2.44	32.4	2.47	33.4	2.48
	104	22.5	2.57	25.4	2.61	26.8	2.63	28.7	2.66	30.7	2.69	31.6	2.71
	115	21.2	2.78	24.0	2.83	25.3	2.85	27.1	2.88	28.9	2.92	29.8	2.93
27	14	22.9	0.81	25.9	0.83	27.3	0.84	29.3	0.84	31.3	0.85	32.2	0.86
	23	22.9	0.81	25.9	0.82	27.3	0.83	29.3	0.84	31.3	0.85	32.2	0.85
	32	22.9	0.81	25.9	0.82	27.3	0.83	29.3	0.84	31.3	0.84	32.2	0.85
	41	22.9	0.90	25.9	0.91	27.3	0.92	29.3	0.93	31.3	0.94	32.2	0.95
	50	22.9	0.99	25.9	1.01	27.3	1.01	29.3	1.03	31.3	1.04	32.2	1.04
	59	22.9	1.36	25.9	1.39	27.3	1.40	29.3	1.41	31.3	1.43	32.2	1.44
	67	22.9	1.73	25.9	1.76	27.3	1.78	29.3	1.80	31.3	1.82	32.2	1.83
	77	22.9	1.91	25.9	1.94	27.3	1.96	29.3	1.98	31.3	2.00	32.2	2.02
	87	22.9	2.09	25.9	2.12	27.3	2.14	29.3	2.16	31.3	2.19	32.2	2.20
	95	22.9	2.23	25.9	2.27	27.3	2.29	29.3	2.31	31.3	2.34	32.2	2.35
	104	21.7	2.43	24.5	2.47	25.8	2.49	27.7	2.52	29.6	2.55	30.5	2.56
	115	20.5	2.63	23.1	2.68	24.4	2.70	26.1	2.73	27.9	2.76	28.8	2.78

OUTDOOR UNIT
UOMH36FXZHJ

NOTE: Specifications are based on the following conditions.

- Power source of specifications: 230 V
- 2 or more indoor units should be connected.
- 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 up to 39,000 Btu from 27,000 Btu.
- Input in the table are calculated based on the maximum indoor unit input combinations.

OUTDOOR UNIT
UOMH36FXZHJ

● Cooling capacity in kW

TC: Total Capacity (kW), IP: Input Power (kW)

Indoor unit connecting capacity	Outdoor temperature	Indoor temperature											
		17.8 °CDB		21.1 °CDB		23.9 °CDB		26.7 °CDB		29.4 °CDB		32.2 °CDB	
		12.2 °CWB		15.6 °CWB		17.2 °CWB		19.4 °CWB		21.7 °CWB		22.8 °CWB	
kBtu/h	°CDB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
39	-10.0	8.96	1.24	10.12	1.27	10.67	1.28	11.40	1.29	12.21	1.30	12.59	1.31
	-5.0	8.96	1.24	10.12	1.26	10.67	1.27	11.40	1.28	12.21	1.30	12.59	1.30
	0.0	8.96	1.23	10.12	1.25	10.67	1.26	11.40	1.28	12.21	1.29	12.59	1.30
	5.0	8.96	1.37	10.12	1.39	10.67	1.41	11.40	1.42	12.21	1.44	12.59	1.45
	10.0	8.96	1.51	10.12	1.54	10.67	1.55	11.40	1.57	12.21	1.59	12.59	1.59
	15.0	8.96	2.08	10.12	2.12	10.67	2.13	11.40	2.16	12.21	2.18	12.59	2.19
	20.0	8.96	2.65	10.12	2.69	10.67	2.72	11.40	2.75	12.21	2.78	12.59	2.79
	25.0	8.96	2.92	10.12	2.97	10.67	2.99	11.40	3.03	12.21	3.06	12.59	3.08
	30.0	8.96	3.19	10.12	3.24	10.67	3.27	11.40	3.31	12.21	3.34	12.59	3.36
	35.0	8.96	3.40	10.12	3.46	10.67	3.49	11.40	3.53	12.21	3.57	12.59	3.59
	40.0	8.47	3.71	9.58	3.78	10.10	3.81	10.80	3.85	11.56	3.89	11.91	3.92
	46.1	7.99	4.02	9.03	4.09	9.52	4.12	10.20	4.17	10.90	4.22	11.24	4.24
38	-10.0	8.96	1.24	10.12	1.27	10.67	1.28	11.40	1.29	12.21	1.30	12.59	1.31
	-5.0	8.96	1.24	10.12	1.26	10.67	1.27	11.40	1.28	12.21	1.30	12.59	1.30
	0.0	8.96	1.23	10.12	1.25	10.67	1.26	11.40	1.28	12.21	1.29	12.59	1.30
	5.0	8.96	1.37	10.12	1.39	10.67	1.41	11.40	1.42	12.21	1.44	12.59	1.45
	10.0	8.96	1.51	10.12	1.54	10.67	1.55	11.40	1.57	12.21	1.59	12.59	1.59
	15.0	8.96	2.08	10.12	2.12	10.67	2.13	11.40	2.16	12.21	2.18	12.59	2.19
	20.0	8.96	2.65	10.12	2.69	10.67	2.72	11.40	2.75	12.21	2.78	12.59	2.79
	25.0	8.96	2.92	10.12	2.97	10.67	2.99	11.40	3.03	12.21	3.06	12.59	3.08
	30.0	8.96	3.19	10.12	3.24	10.67	3.27	11.40	3.31	12.21	3.34	12.59	3.36
	35.0	8.96	3.40	10.12	3.46	10.67	3.49	11.40	3.53	12.21	3.57	12.59	3.59
	40.0	8.47	3.71	9.58	3.78	10.10	3.81	10.80	3.85	11.56	3.89	11.91	3.92
	46.1	7.99	4.02	9.03	4.09	9.52	4.12	10.20	4.17	10.90	4.22	11.24	4.24
37	-10.0	8.96	1.24	10.12	1.27	10.67	1.28	11.40	1.29	12.21	1.30	12.59	1.31
	-5.0	8.96	1.24	10.12	1.26	10.67	1.27	11.40	1.28	12.21	1.30	12.59	1.30
	0.0	8.96	1.23	10.12	1.25	10.67	1.26	11.40	1.28	12.21	1.29	12.59	1.30
	5.0	8.96	1.37	10.12	1.39	10.67	1.41	11.40	1.42	12.21	1.44	12.59	1.45
	10.0	8.96	1.51	10.12	1.54	10.67	1.55	11.40	1.57	12.21	1.59	12.59	1.59
	15.0	8.96	2.08	10.12	2.12	10.67	2.13	11.40	2.16	12.21	2.18	12.59	2.19
	20.0	8.96	2.65	10.12	2.69	10.67	2.72	11.40	2.75	12.21	2.78	12.59	2.79
	25.0	8.96	2.92	10.12	2.97	10.67	2.99	11.40	3.03	12.21	3.06	12.59	3.08
	30.0	8.96	3.19	10.12	3.24	10.67	3.27	11.40	3.31	12.21	3.34	12.59	3.36
	35.0	8.96	3.40	10.12	3.46	10.67	3.49	11.40	3.53	12.21	3.57	12.59	3.59
	40.0	8.47	3.71	9.58	3.78	10.10	3.81	10.80	3.85	11.56	3.89	11.91	3.92
	46.1	7.99	4.02	9.03	4.09	9.52	4.12	10.20	4.17	10.90	4.22	11.24	4.24
36	-10.0	8.96	1.24	10.12	1.27	10.67	1.28	11.40	1.29	12.21	1.30	12.59	1.31
	-5.0	8.96	1.24	10.12	1.26	10.67	1.27	11.40	1.28	12.21	1.30	12.59	1.30
	0.0	8.96	1.23	10.12	1.25	10.67	1.26	11.40	1.28	12.21	1.29	12.59	1.30
	5.0	8.96	1.37	10.12	1.39	10.67	1.41	11.40	1.42	12.21	1.44	12.59	1.45
	10.0	8.96	1.51	10.12	1.54	10.67	1.55	11.40	1.57	12.21	1.59	12.59	1.59
	15.0	8.96	2.08	10.12	2.12	10.67	2.13	11.40	2.16	12.21	2.18	12.59	2.19
	20.0	8.96	2.65	10.12	2.69	10.67	2.72	11.40	2.75	12.21	2.78	12.59	2.79
	25.0	8.96	2.92	10.12	2.97	10.67	2.99	11.40	3.03	12.21	3.06	12.59	3.08
	30.0	8.96	3.19	10.12	3.24	10.67	3.27	11.40	3.31	12.21	3.34	12.59	3.36
	35.0	8.96	3.40	10.12	3.46	10.67	3.49	11.40	3.53	12.21	3.57	12.59	3.59
	40.0	8.47	3.71	9.58	3.78	10.10	3.81	10.80	3.85	11.56	3.89	11.91	3.92
	46.1	7.99	4.02	9.03	4.09	9.52	4.12	10.20	4.17	10.90	4.22	11.24	4.24
35	-10.0	8.71	1.18	9.84	1.20	10.37	1.21	11.10	1.22	11.87	1.24	12.24	1.24
	-5.0	8.71	1.17	9.84	1.19	10.37	1.20	11.10	1.22	11.87	1.23	12.24	1.24
	0.0	8.71	1.17	9.84	1.19	10.37	1.20	11.10	1.21	11.87	1.22	12.24	1.23
	5.0	8.71	1.30	9.84	1.32	10.37	1.33	11.10	1.35	11.87	1.36	12.24	1.37
	10.0	8.71	1.43	9.84	1.46	10.37	1.47	11.10	1.49	11.87	1.50	12.24	1.51
	15.0	8.71	1.97	9.84	2.01	10.37	2.02	11.10	2.05	11.87	2.07	12.24	2.08
	20.0	8.71	2.51	9.84	2.56	10.37	2.58	11.10	2.61	11.87	2.63	12.24	2.65
	25.0	8.71	2.77	9.84	2.82	10.37	2.84	11.10	2.87	11.87	2.90	12.24	2.92
	30.0	8.71	3.02	9.84	3.08	10.37	3.10	11.10	3.14	11.87	3.17	12.24	3.19
	35.0	8.71	3.23	9.84	3.28	10.37	3.31	11.10	3.35	11.87	3.39	12.24	3.40
	40.0	8.24	3.52	9.31	3.58	9.82	3.61	10.50	3.65	11.24	3.69	11.58	3.71
	46.1	7.77	3.81	8.78	3.88	9.26	3.91	9.90	3.96	10.60	4.00	10.92	4.02
34	-10.0	8.46	1.13	9.56	1.15	10.08	1.16	10.70	1.18	11.54	1.19	11.89	1.20
	-5.0	8.46	1.13	9.56	1.15	10.08	1.16	10.70	1.17	11.54	1.18	11.89	1.19
	0.0	8.46	1.12	9.56	1.14	10.08	1.15	10.70	1.16	11.54	1.18	11.89	1.18
	5.0	8.46	1.25	9.56	1.27	10.08	1.28	10.70	1.30	11.54	1.31	11.89	1.32
	10.0	8.46	1.38	9.56	1.40	10.08	1.41	10.70	1.43	11.54	1.45	11.89	1.45
	15.0	8.46	1.90	9.56	1.93	10.08	1.94	10.70	1.97	11.54	1.99	11.89	2.00
	20.0	8.46	2.41	9.56	2.46	10.08	2.48	10.70	2.50	11.54	2.53	11.89	2.55
	25.0	8.46	2.66	9.56	2.71	10.08	2.73	10.70	2.76	11.54	2.79	11.89	2.81
	30.0	8.46	2.91	9.56	2.96	10.08	2.98	10.70	3.01	11.54	3.05	11.89	3.07
	35.0	8.46	3.10	9.56	3.16	10.08	3.18	10.70	3.22	11.54	3.26	11.89	3.27
	40.0	8.00	3.38	9.04	3.44	9.54	3.47	10.20	3.51	10.91	3.55	11.25	3.57
	46.1	7.55	3.67	8.53	3.73	8.99	3.76	9.60	3.80	10.29	3.85	10.61	3.87
33	-10.0	8.21	1.09	9.28	1.11	9.78	1.12	10.40	1.13	11.20	1.14	11.54	1.15
	-5.0	8.21	1.08	9.28	1.10	9.78	1.11	10.40	1.12	11.20	1.14	11.54	1.14
	0.0	8.21	1.08	9.28	1.09	9.78	1.10	10.40	1.12	11.20	1.13	11.54	1.14
	5.0	8.21	1.20	9.28	1.22	9.78	1.23	10.40	1.24	11.20	1.26	11.54	1.26
	10.0	8.21	1.32	9.28	1.35	9.78	1.36	10.40	1.37	11.20	1.39	11.54	1.39
	15.0	8.21	1.82	9.28	1.85	9.78	1.87	10.40	1.89	11.20	1.91	11.54	1.92
	20.0	8.21	2.32	9.28	2.36	9.78	2.38	10.40	2.40	11.20	2.43	11.54	2.44
	25.0	8.21	2.55	9.28	2.60	9.78	2.62	10.40	2.65	11.20	2.68	11.54	2.69
	30.0	8.21	2.79	9.28	2.84	9.78	2.86	10.40	2.89	11.20	2.93	11.54	2.94
	35.0	8.21	2.98	9.28	3.03	9.78	3.05	10.40	3.09	11.20	3.12	11.54	3.14
	40.0	7.77	3.25	8.78	3.30	9.25	3.33	9.90	3.37	10.59	3.41	10.92	3.43
	46.1	7.33	3.52	8.28	3.58	8.73	3.61	9.30	3.65	9.99	3.69	10.30	3.71

OUTDOOR UNIT
UOMH36FXZHJ

Indoor unit connecting capacity	Outdoor temperature	Indoor temperature											
		17.8 °CDB		21.1 °CDB		23.9 °CDB		26.7 °CDB		29.4 °CDB		32.2 °CDB	
		12.2 °CWB		15.6 °CWB		17.2 °CWB		19.4 °CWB		21.7 °CWB		22.8 °CWB	
kBtu/h	°CDB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
32	-10.0	7.96	1.04	9.00	1.06	9.48	1.07	10.10	1.08	10.86	1.09	11.19	1.10
	-5.0	7.96	1.04	9.00	1.05	9.48	1.06	10.10	1.08	10.86	1.09	11.19	1.09
	0.0	7.96	1.03	9.00	1.05	9.48	1.06	10.10	1.07	10.86	1.08	11.19	1.09
	5.0	7.96	1.15	9.00	1.17	9.48	1.18	10.10	1.19	10.86	1.21	11.19	1.21
	10.0	7.96	1.27	9.00	1.29	9.48	1.30	10.10	1.31	10.86	1.33	11.19	1.34
	15.0	7.96	1.74	9.00	1.77	9.48	1.79	10.10	1.81	10.86	1.83	11.19	1.84
	20.0	7.96	2.22	9.00	2.26	9.48	2.28	10.10	2.30	10.86	2.33	11.19	2.34
	25.0	7.96	2.45	9.00	2.49	9.48	2.51	10.10	2.54	10.86	2.57	11.19	2.58
	30.0	7.96	2.67	9.00	2.72	9.48	2.74	10.10	2.77	10.86	2.80	11.19	2.82
	35.0	7.96	2.85	9.00	2.90	9.48	2.93	10.10	2.96	10.86	2.99	11.19	3.01
	40.0	7.53	3.11	8.51	3.17	8.97	3.19	9.60	3.23	10.27	3.26	10.59	3.28
	46.1	7.10	3.37	8.03	3.43	8.46	3.46	9.00	3.50	9.69	3.54	9.99	3.56
31	-10.0	7.71	1.00	8.72	1.01	9.19	1.02	9.80	1.03	10.52	1.05	10.84	1.05
	-5.0	7.71	0.99	8.72	1.01	9.19	1.02	9.80	1.03	10.52	1.04	10.84	1.05
	0.0	7.71	0.99	8.72	1.00	9.19	1.01	9.80	1.02	10.52	1.03	10.84	1.04
	5.0	7.71	1.10	8.72	1.12	9.19	1.13	9.80	1.14	10.52	1.15	10.84	1.16
	10.0	7.71	1.21	8.72	1.23	9.19	1.24	9.80	1.26	10.52	1.27	10.84	1.28
	15.0	7.71	1.67	8.72	1.70	9.19	1.71	9.80	1.73	10.52	1.75	10.84	1.76
	20.0	7.71	2.12	8.72	2.16	9.19	2.18	9.80	2.20	10.52	2.23	10.84	2.24
	25.0	7.71	2.34	8.72	2.38	9.19	2.40	9.80	2.43	10.52	2.45	10.84	2.47
	30.0	7.71	2.55	8.72	2.60	9.19	2.62	9.80	2.65	10.52	2.68	10.84	2.69
	35.0	7.71	2.73	8.72	2.78	9.19	2.80	9.80	2.83	10.52	2.86	10.84	2.88
	40.0	7.30	2.97	8.25	3.03	8.69	3.05	9.30	3.09	9.95	3.12	10.26	3.14
	46.1	6.88	3.22	7.78	3.28	8.20	3.31	8.70	3.34	9.38	3.38	9.67	3.40
30	-10.0	7.46	0.95	8.43	0.97	8.89	0.98	9.50	0.99	10.18	1.00	10.49	1.00
	-5.0	7.46	0.95	8.43	0.96	8.89	0.97	9.50	0.98	10.18	0.99	10.49	1.00
	0.0	7.46	0.94	8.43	0.96	8.89	0.96	9.50	0.98	10.18	0.99	10.49	0.99
	5.0	7.46	1.05	8.43	1.07	8.89	1.08	9.50	1.09	10.18	1.10	10.49	1.11
	10.0	7.46	1.16	8.43	1.18	8.89	1.19	9.50	1.20	10.18	1.21	10.49	1.22
	15.0	7.46	1.59	8.43	1.62	8.89	1.63	9.50	1.65	10.18	1.67	10.49	1.68
	20.0	7.46	2.03	8.43	2.06	8.89	2.08	9.50	2.10	10.18	2.12	10.49	2.14
	25.0	7.46	2.23	8.43	2.27	8.89	2.29	9.50	2.31	10.18	2.34	10.49	2.35
	30.0	7.46	2.44	8.43	2.48	8.89	2.50	9.50	2.53	10.18	2.56	10.49	2.57
	35.0	7.46	2.60	8.43	2.65	8.89	2.67	9.50	2.70	10.18	2.73	10.49	2.75
	40.0	7.06	2.84	7.98	2.89	8.41	2.91	9.00	2.94	9.63	2.98	9.93	2.99
	46.1	6.66	3.07	7.53	3.13	7.93	3.15	8.50	3.19	9.08	3.23	9.36	3.24
29	-10.0	7.21	0.91	8.15	0.92	8.59	0.93	9.20	0.94	9.84	0.95	10.14	0.95
	-5.0	7.21	0.90	8.15	0.92	8.59	0.92	9.20	0.93	9.84	0.94	10.14	0.95
	0.0	7.21	0.90	8.15	0.91	8.59	0.92	9.20	0.93	9.84	0.94	10.14	0.94
	5.0	7.21	1.00	8.15	1.02	8.59	1.02	9.20	1.04	9.84	1.05	10.14	1.05
	10.0	7.21	1.10	8.15	1.12	8.59	1.13	9.20	1.14	9.84	1.15	10.14	1.16
	15.0	7.21	1.51	8.15	1.54	8.59	1.55	9.20	1.57	9.84	1.59	10.14	1.60
	20.0	7.21	1.93	8.15	1.96	8.59	1.98	9.20	2.00	9.84	2.02	10.14	2.03
	25.0	7.21	2.12	8.15	2.16	8.59	2.18	9.20	2.20	9.84	2.23	10.14	2.24
	30.0	7.21	2.32	8.15	2.36	8.59	2.38	9.20	2.41	9.84	2.43	10.14	2.45
	35.0	7.21	2.48	8.15	2.52	8.59	2.54	9.20	2.57	9.84	2.60	10.14	2.61
	40.0	6.83	2.70	7.71	2.75	8.13	2.77	8.70	2.80	9.31	2.84	9.60	2.85
	46.1	6.44	2.93	7.27	2.98	7.67	3.00	8.20	3.04	8.78	3.07	9.05	3.09
28	-10.0	6.96	0.86	7.87	0.87	8.30	0.88	8.80	0.89	9.50	0.90	9.79	0.91
	-5.0	6.96	0.85	7.87	0.87	8.30	0.88	8.80	0.89	9.50	0.90	9.79	0.90
	0.0	6.96	0.85	7.87	0.87	8.30	0.87	8.80	0.88	9.50	0.89	9.79	0.90
	5.0	6.96	0.95	7.87	0.96	8.30	0.97	8.80	0.98	9.50	0.99	9.79	1.00
	10.0	6.96	1.04	7.87	1.06	8.30	1.07	8.80	1.08	9.50	1.10	9.79	1.10
	15.0	6.96	1.44	7.87	1.46	8.30	1.47	8.80	1.49	9.50	1.51	9.79	1.52
	20.0	6.96	1.83	7.87	1.86	8.30	1.88	8.80	1.90	9.50	1.92	9.79	1.93
	25.0	6.96	2.02	7.87	2.05	8.30	2.07	8.80	2.09	9.50	2.12	9.79	2.13
	30.0	6.96	2.20	7.87	2.24	8.30	2.26	8.80	2.29	9.50	2.31	9.79	2.32
	35.0	6.96	2.35	7.87	2.39	8.30	2.41	8.80	2.44	9.50	2.47	9.79	2.48
	40.0	6.59	2.57	7.45	2.61	7.85	2.63	8.40	2.66	8.99	2.69	9.26	2.71
	46.1	6.21	2.78	7.02	2.83	7.40	2.85	7.90	2.88	8.48	2.92	8.74	2.93
27	-10.0	6.72	0.81	7.59	0.83	8.00	0.84	8.50	0.84	9.16	0.85	9.44	0.86
	-5.0	6.72	0.81	7.59	0.82	8.00	0.83	8.50	0.84	9.16	0.85	9.44	0.85
	0.0	6.72	0.81	7.59	0.82	8.00	0.83	8.50	0.84	9.16	0.84	9.44	0.85
	5.0	6.72	0.90	7.59	0.91	8.00	0.92	8.50	0.93	9.16	0.94	9.44	0.95
	10.0	6.72	0.99	7.59	1.01	8.00	1.01	8.50	1.03	9.16	1.04	9.44	1.04
	15.0	6.72	1.36	7.59	1.39	8.00	1.40	8.50	1.41	9.16	1.43	9.44	1.44
	20.0	6.72	1.73	7.59	1.76	8.00	1.78	8.50	1.80	9.16	1.82	9.44	1.83
	25.0	6.72	1.91	7.59	1.94	8.00	1.96	8.50	1.98	9.16	2.00	9.44	2.02
	30.0	6.72	2.09	7.59	2.12	8.00	2.14	8.50	2.16	9.16	2.19	9.44	2.20
	35.0	6.72	2.23	7.59	2.27	8.00	2.29	8.50	2.31	9.16	2.34	9.44	2.35
	40.0	6.35	2.43	7.18	2.47	7.57	2.49	8.10	2.52	8.67	2.55	8.93	2.56
	46.1	5.99	2.63	6.77	2.68	7.14	2.70	7.60	2.73	8.17	2.76	8.43	2.78

NOTE: Specifications are based on the following conditions.

- Power source of specifications: 230 V
- 2 or more indoor units should be connected.
- 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 up to 39,000 Btu from 27,000 Btu.
- Input in the table are calculated based on the maximum indoor unit input combinations.

OUTDOOR UNIT
UOMH36FXZHJ

■ Compact cassette type

● Cooling capacity in kBtu/h

- TC: Total Capacity (kBtu/h), SHC: Sensible Heat Capacity (kBtu/h).
- 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]

MODEL: RICH07AVFJ

	Indoor temperature (°FDB / °FWB)											
	64.0 / 54.0		70.0 / 60.0		75.0 / 63.0		80.0 / 67.0		85.0 / 71.0		90.0 / 73.0	
Outdoor temperature (°FDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
14.0	5.96	4.02	6.73	4.58	7.10	5.28	7.60	5.93	8.12	6.48	8.38	7.43
23.0	5.96	4.02	6.73	4.58	7.10	5.28	7.60	5.93	8.12	6.48	8.38	7.43
32.0	5.96	4.02	6.73	4.58	7.10	5.28	7.60	5.93	8.12	6.48	8.38	7.43
41.0	5.96	4.02	6.73	4.58	7.10	5.28	7.60	5.93	8.12	6.48	8.38	7.43
50.0	5.96	4.02	6.73	4.58	7.10	5.28	7.60	5.93	8.12	6.48	8.38	7.43
59.0	5.96	4.02	6.73	4.58	7.10	5.28	7.60	5.93	8.12	6.48	8.38	7.43
67.0	5.96	4.02	6.73	4.58	7.10	5.28	7.60	5.93	8.12	6.48	8.38	7.43
77.0	5.96	4.02	6.73	4.58	7.10	5.28	7.60	5.93	8.12	6.48	8.38	7.43
87.0	5.96	4.02	6.73	4.58	7.10	5.28	7.60	5.93	8.12	6.48	8.38	7.43
95.0	5.96	4.02	6.73	4.58	7.10	5.28	7.60	5.93	8.12	6.48	8.38	7.43
104.0	5.64	3.60	6.37	4.10	6.72	4.72	7.19	5.31	7.69	5.80	7.92	6.65
115.0	5.32	3.20	6.01	3.65	6.33	4.20	6.78	4.72	7.25	5.16	7.47	5.92

MODEL: RICH09AVFJ

	Indoor temperature (°FDB / °FWB)											
	64.0 / 54.0		70.0 / 60.0		75.0 / 63.0		80.0 / 67.0		85.0 / 71.0		90.0 / 73.0	
Outdoor temperature (°FDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
14.0	7.68	5.12	8.68	5.83	9.15	6.72	9.80	7.55	10.48	8.25	10.80	9.46
23.0	7.68	5.12	8.68	5.83	9.15	6.72	9.80	7.55	10.48	8.25	10.80	9.46
32.0	7.68	5.12	8.68	5.83	9.15	6.72	9.80	7.55	10.48	8.25	10.80	9.46
41.0	7.68	5.12	8.68	5.83	9.15	6.72	9.80	7.55	10.48	8.25	10.80	9.46
50.0	7.68	5.12	8.68	5.83	9.15	6.72	9.80	7.55	10.48	8.25	10.80	9.46
59.0	7.68	5.12	8.68	5.83	9.15	6.72	9.80	7.55	10.48	8.25	10.80	9.46
67.0	7.68	5.12	8.68	5.83	9.15	6.72	9.80	7.55	10.48	8.25	10.80	9.46
77.0	7.68	5.12	8.68	5.83	9.15	6.72	9.80	7.55	10.48	8.25	10.80	9.46
87.0	7.68	5.12	8.68	5.83	9.15	6.72	9.80	7.55	10.48	8.25	10.80	9.46
95.0	7.68	5.12	8.68	5.83	9.15	6.72	9.80	7.55	10.48	8.25	10.80	9.46
104.0	7.27	4.58	8.22	5.22	8.66	6.01	9.27	6.76	9.91	7.39	10.22	8.47
115.0	6.86	4.08	7.75	4.65	8.17	5.35	8.75	6.01	9.35	6.57	9.64	7.53

MODEL: RICH12AVFJ

	Indoor temperature (°FDB / °FWB)											
	64.0 / 54.0		70.0 / 60.0		75.0 / 63.0		80.0 / 67.0		85.0 / 71.0		90.0 / 73.0	
Outdoor temperature (°FDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
14.0	10.19	6.70	11.52	7.64	12.14	8.79	13.00	9.88	13.90	10.81	14.33	12.38
23.0	10.19	6.70	11.52	7.64	12.14	8.79	13.00	9.88	13.90	10.81	14.33	12.38
32.0	10.19	6.70	11.52	7.64	12.14	8.79	13.00	9.88	13.90	10.81	14.33	12.38
41.0	10.19	6.70	11.52	7.64	12.14	8.79	13.00	9.88	13.90	10.81	14.33	12.38
50.0	10.19	6.70	11.52	7.64	12.14	8.79	13.00	9.88	13.90	10.81	14.33	12.38
59.0	10.19	6.70	11.52	7.64	12.14	8.79	13.00	9.88	13.90	10.81	14.33	12.38
67.0	10.19	6.70	11.52	7.64	12.14	8.79	13.00	9.88	13.90	10.81	14.33	12.38
77.0	10.19	6.70	11.52	7.64	12.14	8.79	13.00	9.88	13.90	10.81	14.33	12.38
87.0	10.19	6.70	11.52	7.64	12.14	8.79	13.00	9.88	13.90	10.81	14.33	12.38
95.0	10.19	6.70	11.52	7.64	12.14	8.79	13.00	9.88	13.90	10.81	14.33	12.38
104.0	9.64	6.00	10.90	6.84	11.49	7.87	12.30	8.85	13.15	9.67	13.56	11.08
115.0	9.10	5.34	10.28	6.08	10.84	7.00	11.60	7.87	12.40	8.61	12.78	9.86

OUTDOOR UNIT
UOMH36FXZHJ

MODEL: RICH18AVFJ

	Indoor temperature (°FDB / °FWB)											
	64.0 / 54.0		70.0 / 60.0		75.0 / 63.0		80.0 / 67.0		85.0 / 71.0		90.0 / 73.0	
Outdoor temperature (°FDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
14.0	15.29	9.26	17.28	10.55	18.21	12.15	19.50	13.65	20.85	14.93	21.49	17.10
23.0	15.29	9.26	17.28	10.55	18.21	12.15	19.50	13.65	20.85	14.93	21.49	17.10
32.0	15.29	9.26	17.28	10.55	18.21	12.15	19.50	13.65	20.85	14.93	21.49	17.10
41.0	15.29	9.26	17.28	10.55	18.21	12.15	19.50	13.65	20.85	14.93	21.49	17.10
50.0	15.29	9.26	17.28	10.55	18.21	12.15	19.50	13.65	20.85	14.93	21.49	17.10
59.0	15.29	9.26	17.28	10.55	18.21	12.15	19.50	13.65	20.85	14.93	21.49	17.10
67.0	15.29	9.26	17.28	10.55	18.21	12.15	19.50	13.65	20.85	14.93	21.49	17.10
77.0	15.29	9.26	17.28	10.55	18.21	12.15	19.50	13.65	20.85	14.93	21.49	17.10
87.0	15.29	9.26	17.28	10.55	18.21	12.15	19.50	13.65	20.85	14.93	21.49	17.10
95.0	15.29	9.26	17.28	10.55	18.21	12.15	19.50	13.65	20.85	14.93	21.49	17.10
104.0	14.47	8.29	16.35	9.45	17.23	10.88	18.45	12.22	19.72	13.37	20.33	15.31
115.0	13.64	7.37	15.42	8.40	16.25	9.67	17.40	10.87	18.60	11.89	19.18	13.62

OUTDOOR UNIT
UOMH36FXZHJ

● Cooling capacity in kW

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

MODEL: RICH07AVFJ

	Indoor temperature (°CDB / °CWB)											
	17.8 / 12.2		21.1 / 15.6		23.9 / 17.2		26.7 / 19.4		29.4 / 21.7		32.2 / 22.8	
Outdoor temperature (°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
-10.0	1.75	1.18	1.97	1.34	2.08	1.55	2.23	1.74	2.38	1.90	2.45	2.18
-5.0	1.75	1.18	1.97	1.34	2.08	1.55	2.23	1.74	2.38	1.90	2.45	2.18
0.0	1.75	1.18	1.97	1.34	2.08	1.55	2.23	1.74	2.38	1.90	2.45	2.18
5.0	1.75	1.18	1.97	1.34	2.08	1.55	2.23	1.74	2.38	1.90	2.45	2.18
10.0	1.75	1.18	1.97	1.34	2.08	1.55	2.23	1.74	2.38	1.90	2.45	2.18
15.0	1.75	1.18	1.97	1.34	2.08	1.55	2.23	1.74	2.38	1.90	2.45	2.18
20.0	1.75	1.18	1.97	1.34	2.08	1.55	2.23	1.74	2.38	1.90	2.45	2.18
25.0	1.75	1.18	1.97	1.34	2.08	1.55	2.23	1.74	2.38	1.90	2.45	2.18
30.0	1.75	1.18	1.97	1.34	2.08	1.55	2.23	1.74	2.38	1.90	2.45	2.18
35.0	1.75	1.18	1.97	1.34	2.08	1.55	2.23	1.74	2.38	1.90	2.45	2.18
40.0	1.65	1.05	1.87	1.20	1.97	1.38	2.11	1.56	2.25	1.70	2.32	1.95
46.1	1.56	0.94	1.76	1.07	1.86	1.23	1.99	1.38	2.12	1.51	2.19	1.73

MODEL: RICH09AVFJ

	Indoor temperature (°CDB / °CWB)											
	17.8 / 12.2		21.1 / 15.6		23.9 / 17.2		26.7 / 19.4		29.4 / 21.7		32.2 / 22.8	
Outdoor temperature (°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
-10.0	2.25	1.50	2.54	1.71	2.68	1.97	2.87	2.21	3.07	2.42	3.17	2.77
-5.0	2.25	1.50	2.54	1.71	2.68	1.97	2.87	2.21	3.07	2.42	3.17	2.77
0.0	2.25	1.50	2.54	1.71	2.68	1.97	2.87	2.21	3.07	2.42	3.17	2.77
5.0	2.25	1.50	2.54	1.71	2.68	1.97	2.87	2.21	3.07	2.42	3.17	2.77
10.0	2.25	1.50	2.54	1.71	2.68	1.97	2.87	2.21	3.07	2.42	3.17	2.77
15.0	2.25	1.50	2.54	1.71	2.68	1.97	2.87	2.21	3.07	2.42	3.17	2.77
20.0	2.25	1.50	2.54	1.71	2.68	1.97	2.87	2.21	3.07	2.42	3.17	2.77
25.0	2.25	1.50	2.54	1.71	2.68	1.97	2.87	2.21	3.07	2.42	3.17	2.77
30.0	2.25	1.50	2.54	1.71	2.68	1.97	2.87	2.21	3.07	2.42	3.17	2.77
35.0	2.25	1.50	2.54	1.71	2.68	1.97	2.87	2.21	3.07	2.42	3.17	2.77
40.0	2.13	1.34	2.41	1.53	2.54	1.76	2.72	1.98	2.91	2.17	2.99	2.48
46.1	2.01	1.19	2.27	1.36	2.39	1.57	2.56	1.76	2.74	1.93	2.82	2.21

MODEL: RICH12AVFJ

	Indoor temperature (°CDB / °CWB)											
	17.8 / 12.2		21.1 / 15.6		23.9 / 17.2		26.7 / 19.4		29.4 / 21.7		32.2 / 22.8	
Outdoor temperature (°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
-10.0	2.99	1.96	3.38	2.24	3.56	2.58	3.81	2.90	4.07	3.17	4.20	3.63
-5.0	2.99	1.96	3.38	2.24	3.56	2.58	3.81	2.90	4.07	3.17	4.20	3.63
0.0	2.99	1.96	3.38	2.24	3.56	2.58	3.81	2.90	4.07	3.17	4.20	3.63
5.0	2.99	1.96	3.38	2.24	3.56	2.58	3.81	2.90	4.07	3.17	4.20	3.63
10.0	2.99	1.96	3.38	2.24	3.56	2.58	3.81	2.90	4.07	3.17	4.20	3.63
15.0	2.99	1.96	3.38	2.24	3.56	2.58	3.81	2.90	4.07	3.17	4.20	3.63
20.0	2.99	1.96	3.38	2.24	3.56	2.58	3.81	2.90	4.07	3.17	4.20	3.63
25.0	2.99	1.96	3.38	2.24	3.56	2.58	3.81	2.90	4.07	3.17	4.20	3.63
30.0	2.99	1.96	3.38	2.24	3.56	2.58	3.81	2.90	4.07	3.17	4.20	3.63
35.0	2.99	1.96	3.38	2.24	3.56	2.58	3.81	2.90	4.07	3.17	4.20	3.63
40.0	2.83	1.76	3.19	2.00	3.37	2.31	3.61	2.59	3.85	2.84	3.97	3.25
46.1	2.67	1.56	3.01	1.78	3.18	2.05	3.40	2.31	3.63	2.52	3.75	2.89

OUTDOOR UNIT
UOMH36FXZHJ

MODEL: RICH18AVFJ

	Indoor temperature (°CDB / °CWB)											
	17.8 / 12.2		21.1 / 15.6		23.9 / 17.2		26.7 / 19.4		29.4 / 21.7		32.2 / 22.8	
Outdoor temperature (°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
-10.0	4.48	2.71	5.06	3.09	5.34	3.56	5.72	4.00	6.11	4.38	6.30	5.01
-5.0	4.48	2.71	5.06	3.09	5.34	3.56	5.72	4.00	6.11	4.38	6.30	5.01
0.0	4.48	2.71	5.06	3.09	5.34	3.56	5.72	4.00	6.11	4.38	6.30	5.01
5.0	4.48	2.71	5.06	3.09	5.34	3.56	5.72	4.00	6.11	4.38	6.30	5.01
10.0	4.48	2.71	5.06	3.09	5.34	3.56	5.72	4.00	6.11	4.38	6.30	5.01
15.0	4.48	2.71	5.06	3.09	5.34	3.56	5.72	4.00	6.11	4.38	6.30	5.01
20.0	4.48	2.71	5.06	3.09	5.34	3.56	5.72	4.00	6.11	4.38	6.30	5.01
25.0	4.48	2.71	5.06	3.09	5.34	3.56	5.72	4.00	6.11	4.38	6.30	5.01
30.0	4.48	2.71	5.06	3.09	5.34	3.56	5.72	4.00	6.11	4.38	6.30	5.01
35.0	4.48	2.71	5.06	3.09	5.34	3.56	5.72	4.00	6.11	4.38	6.30	5.01
40.0	4.24	2.43	4.79	2.77	5.05	3.19	5.41	3.58	5.78	3.92	5.96	4.49
46.1	4.00	2.16	4.52	2.46	4.76	2.84	5.10	3.19	5.45	3.48	5.62	3.99

OUTDOOR UNIT
UOMH36FXZHJ

■ Slim duct type

● Cooling capacity in kBtu/h

- TC: Total Capacity (kBtu/h), SHC: Sensible Heat Capacity (kBtu/h).
- 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]

MODEL: RIDH07AVFJ

	Indoor temperature (°FDB / °FWB)											
	64.0 / 54.0		70.0 / 60.0		75.0 / 63.0		80.0 / 67.0		85.0 / 71.0		90.0 / 73.0	
Outdoor temperature (°FDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
14.0	5.96	4.12	6.73	4.70	7.10	5.41	7.60	6.08	8.12	6.65	8.38	7.62
23.0	5.96	4.12	6.73	4.70	7.10	5.41	7.60	6.08	8.12	6.65	8.38	7.62
32.0	5.96	4.12	6.73	4.70	7.10	5.41	7.60	6.08	8.12	6.65	8.38	7.62
41.0	5.96	4.12	6.73	4.70	7.10	5.41	7.60	6.08	8.12	6.65	8.38	7.62
50.0	5.96	4.12	6.73	4.70	7.10	5.41	7.60	6.08	8.12	6.65	8.38	7.62
59.0	5.96	4.12	6.73	4.70	7.10	5.41	7.60	6.08	8.12	6.65	8.38	7.62
67.0	5.96	4.12	6.73	4.70	7.10	5.41	7.60	6.08	8.12	6.65	8.38	7.62
77.0	5.96	4.12	6.73	4.70	7.10	5.41	7.60	6.08	8.12	6.65	8.38	7.62
87.0	5.96	4.12	6.73	4.70	7.10	5.41	7.60	6.08	8.12	6.65	8.38	7.62
95.0	5.96	4.12	6.73	4.70	7.10	5.41	7.60	6.08	8.12	6.65	8.38	7.62
104.0	5.64	3.69	6.37	4.21	6.72	4.84	7.19	5.44	7.69	5.95	7.92	6.82
115.0	5.32	3.28	6.01	3.74	6.33	4.31	6.78	4.84	7.25	5.30	7.47	6.07

MODEL: RIDH09AVFJ

	Indoor temperature (°FDB / °FWB)											
	64.0 / 54.0		70.0 / 60.0		75.0 / 63.0		80.0 / 67.0		85.0 / 71.0		90.0 / 73.0	
Outdoor temperature (°FDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
14.0	7.68	4.92	8.68	5.61	9.15	6.45	9.80	7.25	10.48	7.93	10.80	9.09
23.0	7.68	4.92	8.68	5.61	9.15	6.45	9.80	7.25	10.48	7.93	10.80	9.09
32.0	7.68	4.92	8.68	5.61	9.15	6.45	9.80	7.25	10.48	7.93	10.80	9.09
41.0	7.68	4.92	8.68	5.61	9.15	6.45	9.80	7.25	10.48	7.93	10.80	9.09
50.0	7.68	4.92	8.68	5.61	9.15	6.45	9.80	7.25	10.48	7.93	10.80	9.09
59.0	7.68	4.92	8.68	5.61	9.15	6.45	9.80	7.25	10.48	7.93	10.80	9.09
67.0	7.68	4.92	8.68	5.61	9.15	6.45	9.80	7.25	10.48	7.93	10.80	9.09
77.0	7.68	4.92	8.68	5.61	9.15	6.45	9.80	7.25	10.48	7.93	10.80	9.09
87.0	7.68	4.92	8.68	5.61	9.15	6.45	9.80	7.25	10.48	7.93	10.80	9.09
95.0	7.68	4.92	8.68	5.61	9.15	6.45	9.80	7.25	10.48	7.93	10.80	9.09
104.0	7.27	4.40	8.22	5.02	8.66	5.78	9.27	6.49	9.91	7.10	10.22	8.14
115.0	6.86	3.92	7.75	4.46	8.17	5.14	8.75	5.77	9.35	6.32	9.64	7.24

MODEL: RIDH12AVFJ

	Indoor temperature (°FDB / °FWB)											
	64.0 / 54.0		70.0 / 60.0		75.0 / 63.0		80.0 / 67.0		85.0 / 71.0		90.0 / 73.0	
Outdoor temperature (°FDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
14.0	10.19	6.52	11.52	7.44	12.14	8.56	13.00	9.62	13.90	10.52	14.33	12.05
23.0	10.19	6.52	11.52	7.44	12.14	8.56	13.00	9.62	13.90	10.52	14.33	12.05
32.0	10.19	6.52	11.52	7.44	12.14	8.56	13.00	9.62	13.90	10.52	14.33	12.05
41.0	10.19	6.52	11.52	7.44	12.14	8.56	13.00	9.62	13.90	10.52	14.33	12.05
50.0	10.19	6.52	11.52	7.44	12.14	8.56	13.00	9.62	13.90	10.52	14.33	12.05
59.0	10.19	6.52	11.52	7.44	12.14	8.56	13.00	9.62	13.90	10.52	14.33	12.05
67.0	10.19	6.52	11.52	7.44	12.14	8.56	13.00	9.62	13.90	10.52	14.33	12.05
77.0	10.19	6.52	11.52	7.44	12.14	8.56	13.00	9.62	13.90	10.52	14.33	12.05
87.0	10.19	6.52	11.52	7.44	12.14	8.56	13.00	9.62	13.90	10.52	14.33	12.05
95.0	10.19	6.52	11.52	7.44	12.14	8.56	13.00	9.62	13.90	10.52	14.33	12.05
104.0	9.64	5.84	10.90	6.66	11.49	7.67	12.30	8.61	13.15	9.42	13.56	10.79
115.0	9.10	5.20	10.28	5.92	10.84	6.82	11.60	7.66	12.40	8.38	12.78	9.60

OUTDOOR UNIT
UOMH36FXZHJ

MODEL: RIDH18AVFJ

	Indoor temperature (°FDB / °FWB)											
	64.0 / 54.0		70.0 / 60.0		75.0 / 63.0		80.0 / 67.0		85.0 / 71.0		90.0 / 73.0	
Outdoor temperature (°FDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
14.0	15.29	9.52	17.28	10.85	18.21	12.50	19.50	14.04	20.85	15.36	21.49	17.59
23.0	15.29	9.52	17.28	10.85	18.21	12.50	19.50	14.04	20.85	15.36	21.49	17.59
32.0	15.29	9.52	17.28	10.85	18.21	12.50	19.50	14.04	20.85	15.36	21.49	17.59
41.0	15.29	9.52	17.28	10.85	18.21	12.50	19.50	14.04	20.85	15.36	21.49	17.59
50.0	15.29	9.52	17.28	10.85	18.21	12.50	19.50	14.04	20.85	15.36	21.49	17.59
59.0	15.29	9.52	17.28	10.85	18.21	12.50	19.50	14.04	20.85	15.36	21.49	17.59
67.0	15.29	9.52	17.28	10.85	18.21	12.50	19.50	14.04	20.85	15.36	21.49	17.59
77.0	15.29	9.52	17.28	10.85	18.21	12.50	19.50	14.04	20.85	15.36	21.49	17.59
87.0	15.29	9.52	17.28	10.85	18.21	12.50	19.50	14.04	20.85	15.36	21.49	17.59
95.0	15.29	9.52	17.28	10.85	18.21	12.50	19.50	14.04	20.85	15.36	21.49	17.59
104.0	14.47	8.52	16.35	9.72	17.23	11.19	18.45	12.57	19.72	13.75	20.33	15.75
115.0	13.64	7.58	15.42	8.64	16.25	9.95	17.40	11.18	18.60	12.23	19.18	14.01

MODEL: RIDH24AVFJ

	Indoor temperature (°FDB / °FWB)											
	64.0 / 54.0		70.0 / 60.0		75.0 / 63.0		80.0 / 67.0		85.0 / 71.0		90.0 / 73.0	
Outdoor temperature (°FDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
14.0	19.29	11.68	21.80	13.31	22.98	15.33	24.60	17.22	26.30	18.83	27.11	21.58
23.0	19.29	11.68	21.80	13.31	22.98	15.33	24.60	17.22	26.30	18.83	27.11	21.58
32.0	19.29	11.68	21.80	13.31	22.98	15.33	24.60	17.22	26.30	18.83	27.11	21.58
41.0	19.29	11.68	21.80	13.31	22.98	15.33	24.60	17.22	26.30	18.83	27.11	21.58
50.0	19.29	11.68	21.80	13.31	22.98	15.33	24.60	17.22	26.30	18.83	27.11	21.58
59.0	19.29	11.68	21.80	13.31	22.98	15.33	24.60	17.22	26.30	18.83	27.11	21.58
67.0	19.29	11.68	21.80	13.31	22.98	15.33	24.60	17.22	26.30	18.83	27.11	21.58
77.0	19.29	11.68	21.80	13.31	22.98	15.33	24.60	17.22	26.30	18.83	27.11	21.58
87.0	19.29	11.68	21.80	13.31	22.98	15.33	24.60	17.22	26.30	18.83	27.11	21.58
95.0	19.29	11.68	21.80	13.31	22.98	15.33	24.60	17.22	26.30	18.83	27.11	21.58
104.0	18.25	10.45	20.62	11.92	21.74	13.72	23.28	15.42	24.88	16.86	25.65	19.32
115.0	17.21	9.30	19.45	10.60	20.50	12.21	21.95	13.71	23.47	15.00	24.19	17.18

OUTDOOR UNIT
UOMH36FXZHJ

● Cooling capacity in kW

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

MODEL: RIDH07AVFJ

	Indoor temperature (°CDB / °CWB)											
	17.8 / 12.2		21.1 / 15.6		23.9 / 17.2		26.7 / 19.4		29.4 / 21.7		32.2 / 22.8	
Outdoor temperature (°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
-10.0	1.75	1.21	1.97	1.38	2.08	1.59	2.23	1.78	2.38	1.95	2.45	2.23
-5.0	1.75	1.21	1.97	1.38	2.08	1.59	2.23	1.78	2.38	1.95	2.45	2.23
0.0	1.75	1.21	1.97	1.38	2.08	1.59	2.23	1.78	2.38	1.95	2.45	2.23
5.0	1.75	1.21	1.97	1.38	2.08	1.59	2.23	1.78	2.38	1.95	2.45	2.23
10.0	1.75	1.21	1.97	1.38	2.08	1.59	2.23	1.78	2.38	1.95	2.45	2.23
15.0	1.75	1.21	1.97	1.38	2.08	1.59	2.23	1.78	2.38	1.95	2.45	2.23
20.0	1.75	1.21	1.97	1.38	2.08	1.59	2.23	1.78	2.38	1.95	2.45	2.23
25.0	1.75	1.21	1.97	1.38	2.08	1.59	2.23	1.78	2.38	1.95	2.45	2.23
30.0	1.75	1.21	1.97	1.38	2.08	1.59	2.23	1.78	2.38	1.95	2.45	2.23
35.0	1.75	1.21	1.97	1.38	2.08	1.59	2.23	1.78	2.38	1.95	2.45	2.23
40.0	1.65	1.08	1.87	1.23	1.97	1.42	2.11	1.60	2.25	1.74	2.32	2.00
46.1	1.56	0.96	1.76	1.10	1.86	1.26	1.99	1.42	2.12	1.55	2.19	1.78

MODEL: RIDH09AVFJ

	Indoor temperature (°CDB / °CWB)											
	17.8 / 12.2		21.1 / 15.6		23.9 / 17.2		26.7 / 19.4		29.4 / 21.7		32.2 / 22.8	
Outdoor temperature (°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
-10.0	2.25	1.44	2.54	1.64	2.68	1.89	2.87	2.13	3.07	2.32	3.17	2.66
-5.0	2.25	1.44	2.54	1.64	2.68	1.89	2.87	2.13	3.07	2.32	3.17	2.66
0.0	2.25	1.44	2.54	1.64	2.68	1.89	2.87	2.13	3.07	2.32	3.17	2.66
5.0	2.25	1.44	2.54	1.64	2.68	1.89	2.87	2.13	3.07	2.32	3.17	2.66
10.0	2.25	1.44	2.54	1.64	2.68	1.89	2.87	2.13	3.07	2.32	3.17	2.66
15.0	2.25	1.44	2.54	1.64	2.68	1.89	2.87	2.13	3.07	2.32	3.17	2.66
20.0	2.25	1.44	2.54	1.64	2.68	1.89	2.87	2.13	3.07	2.32	3.17	2.66
25.0	2.25	1.44	2.54	1.64	2.68	1.89	2.87	2.13	3.07	2.32	3.17	2.66
30.0	2.25	1.44	2.54	1.64	2.68	1.89	2.87	2.13	3.07	2.32	3.17	2.66
35.0	2.25	1.44	2.54	1.64	2.68	1.89	2.87	2.13	3.07	2.32	3.17	2.66
40.0	2.13	1.29	2.41	1.47	2.54	1.69	2.72	1.90	2.91	2.08	2.99	2.38
46.1	2.01	1.15	2.27	1.31	2.39	1.51	2.56	1.69	2.74	1.85	2.82	2.12

MODEL: RIDH12AVFJ

	Indoor temperature (°CDB / °CWB)											
	17.8 / 12.2		21.1 / 15.6		23.9 / 17.2		26.7 / 19.4		29.4 / 21.7		32.2 / 22.8	
Outdoor temperature (°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
-10.0	2.99	1.91	3.38	2.18	3.56	2.51	3.81	2.82	4.07	3.08	4.20	3.53
-5.0	2.99	1.91	3.38	2.18	3.56	2.51	3.81	2.82	4.07	3.08	4.20	3.53
0.0	2.99	1.91	3.38	2.18	3.56	2.51	3.81	2.82	4.07	3.08	4.20	3.53
5.0	2.99	1.91	3.38	2.18	3.56	2.51	3.81	2.82	4.07	3.08	4.20	3.53
10.0	2.99	1.91	3.38	2.18	3.56	2.51	3.81	2.82	4.07	3.08	4.20	3.53
15.0	2.99	1.91	3.38	2.18	3.56	2.51	3.81	2.82	4.07	3.08	4.20	3.53
20.0	2.99	1.91	3.38	2.18	3.56	2.51	3.81	2.82	4.07	3.08	4.20	3.53
25.0	2.99	1.91	3.38	2.18	3.56	2.51	3.81	2.82	4.07	3.08	4.20	3.53
30.0	2.99	1.91	3.38	2.18	3.56	2.51	3.81	2.82	4.07	3.08	4.20	3.53
35.0	2.99	1.91	3.38	2.18	3.56	2.51	3.81	2.82	4.07	3.08	4.20	3.53
40.0	2.83	1.71	3.19	1.95	3.37	2.25	3.61	2.52	3.85	2.76	3.97	3.16
46.1	2.67	1.52	3.01	1.74	3.18	2.00	3.40	2.25	3.63	2.46	3.75	2.81

OUTDOOR UNIT
UOMH36FXZHJ

MODEL: RIDH18AVFJ

	Indoor temperature (°CDB / °CWB)											
	17.8 / 12.2		21.1 / 15.6		23.9 / 17.2		26.7 / 19.4		29.4 / 21.7		32.2 / 22.8	
Outdoor temperature (°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
-10.0	4.48	2.79	5.06	3.18	5.34	3.66	5.72	4.11	6.11	4.50	6.30	5.16
-5.0	4.48	2.79	5.06	3.18	5.34	3.66	5.72	4.11	6.11	4.50	6.30	5.16
0.0	4.48	2.79	5.06	3.18	5.34	3.66	5.72	4.11	6.11	4.50	6.30	5.16
5.0	4.48	2.79	5.06	3.18	5.34	3.66	5.72	4.11	6.11	4.50	6.30	5.16
10.0	4.48	2.79	5.06	3.18	5.34	3.66	5.72	4.11	6.11	4.50	6.30	5.16
15.0	4.48	2.79	5.06	3.18	5.34	3.66	5.72	4.11	6.11	4.50	6.30	5.16
20.0	4.48	2.79	5.06	3.18	5.34	3.66	5.72	4.11	6.11	4.50	6.30	5.16
25.0	4.48	2.79	5.06	3.18	5.34	3.66	5.72	4.11	6.11	4.50	6.30	5.16
30.0	4.48	2.79	5.06	3.18	5.34	3.66	5.72	4.11	6.11	4.50	6.30	5.16
35.0	4.48	2.79	5.06	3.18	5.34	3.66	5.72	4.11	6.11	4.50	6.30	5.16
40.0	4.24	2.50	4.79	2.85	5.05	3.28	5.41	3.68	5.78	4.03	5.96	4.62
46.1	4.00	2.22	4.52	2.53	4.76	2.92	5.10	3.28	5.45	3.58	5.62	4.11

MODEL: RIDH24AVFJ

	Indoor temperature (°CDB / °CWB)											
	17.8 / 12.2		21.1 / 15.6		23.9 / 17.2		26.7 / 19.4		29.4 / 21.7		32.2 / 22.8	
Outdoor temperature (°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
-10.0	5.65	3.42	6.39	3.90	6.73	4.49	7.21	5.05	7.71	5.52	7.95	6.32
-5.0	5.65	3.42	6.39	3.90	6.73	4.49	7.21	5.05	7.71	5.52	7.95	6.32
0.0	5.65	3.42	6.39	3.90	6.73	4.49	7.21	5.05	7.71	5.52	7.95	6.32
5.0	5.65	3.42	6.39	3.90	6.73	4.49	7.21	5.05	7.71	5.52	7.95	6.32
10.0	5.65	3.42	6.39	3.90	6.73	4.49	7.21	5.05	7.71	5.52	7.95	6.32
15.0	5.65	3.42	6.39	3.90	6.73	4.49	7.21	5.05	7.71	5.52	7.95	6.32
20.0	5.65	3.42	6.39	3.90	6.73	4.49	7.21	5.05	7.71	5.52	7.95	6.32
25.0	5.65	3.42	6.39	3.90	6.73	4.49	7.21	5.05	7.71	5.52	7.95	6.32
30.0	5.65	3.42	6.39	3.90	6.73	4.49	7.21	5.05	7.71	5.52	7.95	6.32
35.0	5.65	3.42	6.39	3.90	6.73	4.49	7.21	5.05	7.71	5.52	7.95	6.32
40.0	5.35	3.06	6.04	3.49	6.37	4.02	6.82	4.52	7.29	4.94	7.52	5.66
46.1	5.04	2.73	5.70	3.11	6.01	3.58	6.43	4.02	6.88	4.40	7.09	5.04

OUTDOOR UNIT
UOMH36FXZHJ

■ Wall mounted type

● Cooling capacity in kBtu/h

- TC: Total Capacity (kBtu/h), SHC: Sensible Heat Capacity (kBtu/h).
- 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]

MODEL: UIWH07AVFJ

	Indoor temperature (°FDB / °FWB)											
	64.0 / 54.0		70.0 / 60.0		75.0 / 63.0		80.0 / 67.0		85.0 / 71.0		90.0 / 73.0	
Outdoor temperature (°FDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
14.0	5.96	4.17	6.73	4.76	7.10	5.48	7.60	6.16	8.12	6.73	8.38	7.71
23.0	5.96	4.17	6.73	4.76	7.10	5.48	7.60	6.16	8.12	6.73	8.38	7.71
32.0	5.96	4.17	6.73	4.76	7.10	5.48	7.60	6.16	8.12	6.73	8.38	7.71
41.0	5.96	4.17	6.73	4.76	7.10	5.48	7.60	6.16	8.12	6.73	8.38	7.71
50.0	5.96	4.17	6.73	4.76	7.10	5.48	7.60	6.16	8.12	6.73	8.38	7.71
59.0	5.96	4.17	6.73	4.76	7.10	5.48	7.60	6.16	8.12	6.73	8.38	7.71
67.0	5.96	4.17	6.73	4.76	7.10	5.48	7.60	6.16	8.12	6.73	8.38	7.71
77.0	5.96	4.17	6.73	4.76	7.10	5.48	7.60	6.16	8.12	6.73	8.38	7.71
87.0	5.96	4.17	6.73	4.76	7.10	5.48	7.60	6.16	8.12	6.73	8.38	7.71
95.0	5.96	4.17	6.73	4.76	7.10	5.48	7.60	6.16	8.12	6.73	8.38	7.71
104.0	5.18	3.16	5.86	3.60	6.17	4.15	6.61	4.66	7.07	5.09	7.29	5.84
115.0	4.41	2.28	4.98	2.60	5.25	3.00	5.62	3.37	6.01	3.68	6.20	4.22

MODEL: UIWH09AVFJ

	Indoor temperature (°FDB / °FWB)											
	64.0 / 54.0		70.0 / 60.0		75.0 / 63.0		80.0 / 67.0		85.0 / 71.0		90.0 / 73.0	
Outdoor temperature (°FDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
14.0	7.68	5.38	8.68	6.14	9.15	7.07	9.80	7.94	10.48	8.68	10.80	9.95
23.0	7.68	5.38	8.68	6.14	9.15	7.07	9.80	7.94	10.48	8.68	10.80	9.95
32.0	7.68	5.38	8.68	6.14	9.15	7.07	9.80	7.94	10.48	8.68	10.80	9.95
41.0	7.68	5.38	8.68	6.14	9.15	7.07	9.80	7.94	10.48	8.68	10.80	9.95
50.0	7.68	5.38	8.68	6.14	9.15	7.07	9.80	7.94	10.48	8.68	10.80	9.95
59.0	7.68	5.38	8.68	6.14	9.15	7.07	9.80	7.94	10.48	8.68	10.80	9.95
67.0	7.68	5.38	8.68	6.14	9.15	7.07	9.80	7.94	10.48	8.68	10.80	9.95
77.0	7.68	5.38	8.68	6.14	9.15	7.07	9.80	7.94	10.48	8.68	10.80	9.95
87.0	7.68	5.38	8.68	6.14	9.15	7.07	9.80	7.94	10.48	8.68	10.80	9.95
95.0	7.68	5.38	8.68	6.14	9.15	7.07	9.80	7.94	10.48	8.68	10.80	9.95
104.0	6.68	4.07	7.55	4.64	7.96	5.35	8.52	6.01	9.11	6.57	9.39	7.53
115.0	5.68	2.95	6.42	3.36	6.77	3.87	7.25	4.34	7.75	4.75	7.99	5.44

MODEL: UIWH12AVFJ

	Indoor temperature (°FDB / °FWB)											
	64.0 / 54.0		70.0 / 60.0		75.0 / 63.0		80.0 / 67.0		85.0 / 71.0		90.0 / 73.0	
Outdoor temperature (°FDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
14.0	10.19	6.70	11.52	7.64	12.14	8.79	13.00	9.88	13.90	10.81	14.33	12.38
23.0	10.19	6.70	11.52	7.64	12.14	8.79	13.00	9.88	13.90	10.81	14.33	12.38
32.0	10.19	6.70	11.52	7.64	12.14	8.79	13.00	9.88	13.90	10.81	14.33	12.38
41.0	10.19	6.70	11.52	7.64	12.14	8.79	13.00	9.88	13.90	10.81	14.33	12.38
50.0	10.19	6.70	11.52	7.64	12.14	8.79	13.00	9.88	13.90	10.81	14.33	12.38
59.0	10.19	6.70	11.52	7.64	12.14	8.79	13.00	9.88	13.90	10.81	14.33	12.38
67.0	10.19	6.70	11.52	7.64	12.14	8.79	13.00	9.88	13.90	10.81	14.33	12.38
77.0	10.19	6.70	11.52	7.64	12.14	8.79	13.00	9.88	13.90	10.81	14.33	12.38
87.0	10.19	6.70	11.52	7.64	12.14	8.79	13.00	9.88	13.90	10.81	14.33	12.38
95.0	10.19	6.70	11.52	7.64	12.14	8.79	13.00	9.88	13.90	10.81	14.33	12.38
104.0	8.87	5.07	10.02	5.78	10.56	6.65	11.31	7.48	12.09	8.18	12.46	9.37
115.0	7.54	3.67	8.52	4.18	8.98	4.81	9.62	5.41	10.28	5.91	10.60	6.77

OUTDOOR UNIT
UOMH36FXZHJ

MODEL: UIWH15AVFJ

	Indoor temperature (°FDB / °FWB)											
	64.0 / 54.0		70.0 / 60.0		75.0 / 63.0		80.0 / 67.0		85.0 / 71.0		90.0 / 73.0	
Outdoor temperature (°FDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
14.0	12.78	8.29	14.44	9.45	15.22	10.88	16.30	12.23	17.42	13.37	17.96	15.32
23.0	12.78	8.29	14.44	9.45	15.22	10.88	16.30	12.23	17.42	13.37	17.96	15.32
32.0	12.78	8.29	14.44	9.45	15.22	10.88	16.30	12.23	17.42	13.37	17.96	15.32
41.0	12.78	8.29	14.44	9.45	15.22	10.88	16.30	12.23	17.42	13.37	17.96	15.32
50.0	12.78	8.29	14.44	9.45	15.22	10.88	16.30	12.23	17.42	13.37	17.96	15.32
59.0	12.78	8.29	14.44	9.45	15.22	10.88	16.30	12.23	17.42	13.37	17.96	15.32
67.0	12.78	8.29	14.44	9.45	15.22	10.88	16.30	12.23	17.42	13.37	17.96	15.32
77.0	12.78	8.29	14.44	9.45	15.22	10.88	16.30	12.23	17.42	13.37	17.96	15.32
87.0	12.78	8.29	14.44	9.45	15.22	10.88	16.30	12.23	17.42	13.37	17.96	15.32
95.0	12.78	8.29	14.44	9.45	15.22	10.88	16.30	12.23	17.42	13.37	17.96	15.32
104.0	11.12	6.27	12.56	7.15	13.24	8.23	14.18	9.25	15.16	10.12	15.63	11.59
115.0	9.45	4.54	10.68	5.17	11.26	5.95	12.06	6.69	12.89	7.32	13.29	8.38

MODEL: UIWH18AVFJ

	Indoor temperature (°FDB / °FWB)											
	64.0 / 54.0		70.0 / 60.0		75.0 / 63.0		80.0 / 67.0		85.0 / 71.0		90.0 / 73.0	
Outdoor temperature (°FDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
14.0	15.29	10.18	17.28	11.61	18.21	13.36	19.50	15.02	20.85	16.42	21.49	18.82
23.0	15.29	10.18	17.28	11.61	18.21	13.36	19.50	15.02	20.85	16.42	21.49	18.82
32.0	15.29	10.18	17.28	11.61	18.21	13.36	19.50	15.02	20.85	16.42	21.49	18.82
41.0	15.29	10.18	17.28	11.61	18.21	13.36	19.50	15.02	20.85	16.42	21.49	18.82
50.0	15.29	10.18	17.28	11.61	18.21	13.36	19.50	15.02	20.85	16.42	21.49	18.82
59.0	15.29	10.18	17.28	11.61	18.21	13.36	19.50	15.02	20.85	16.42	21.49	18.82
67.0	15.29	10.18	17.28	11.61	18.21	13.36	19.50	15.02	20.85	16.42	21.49	18.82
77.0	15.29	10.18	17.28	11.61	18.21	13.36	19.50	15.02	20.85	16.42	21.49	18.82
87.0	15.29	10.18	17.28	11.61	18.21	13.36	19.50	15.02	20.85	16.42	21.49	18.82
95.0	15.29	10.18	17.28	11.61	18.21	13.36	19.50	15.02	20.85	16.42	21.49	18.82
104.0	13.30	7.70	15.03	8.78	15.84	10.11	16.96	11.36	18.13	12.43	18.69	14.24
115.0	11.31	5.57	12.78	6.35	13.47	7.31	14.42	8.22	15.42	8.99	15.90	10.30

MODEL: UIWH24AVFJ

	Indoor temperature (°FDB / °FWB)											
	64.0 / 54.0		70.0 / 60.0		75.0 / 63.0		80.0 / 67.0		85.0 / 71.0		90.0 / 73.0	
Outdoor temperature (°FDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
14.0	19.29	11.68	21.80	13.31	22.98	15.33	24.60	17.22	26.30	18.83	27.11	21.58
23.0	19.29	11.68	21.80	13.31	22.98	15.33	24.60	17.22	26.30	18.83	27.11	21.58
32.0	19.29	11.68	21.80	13.31	22.98	15.33	24.60	17.22	26.30	18.83	27.11	21.58
41.0	19.29	11.68	21.80	13.31	22.98	15.33	24.60	17.22	26.30	18.83	27.11	21.58
50.0	19.29	11.68	21.80	13.31	22.98	15.33	24.60	17.22	26.30	18.83	27.11	21.58
59.0	19.29	11.68	21.80	13.31	22.98	15.33	24.60	17.22	26.30	18.83	27.11	21.58
67.0	19.29	11.68	21.80	13.31	22.98	15.33	24.60	17.22	26.30	18.83	27.11	21.58
77.0	19.29	11.68	21.80	13.31	22.98	15.33	24.60	17.22	26.30	18.83	27.11	21.58
87.0	19.29	11.68	21.80	13.31	22.98	15.33	24.60	17.22	26.30	18.83	27.11	21.58
95.0	19.29	11.68	21.80	13.31	22.98	15.33	24.60	17.22	26.30	18.83	27.11	21.58
104.0	16.78	8.84	18.96	10.07	19.99	11.60	21.40	13.03	22.88	14.25	23.58	16.33
115.0	14.27	6.39	16.12	7.28	17.00	8.39	18.20	9.42	19.45	10.31	20.05	11.81

OUTDOOR UNIT
UOMH36FXZHJ

● Cooling capacity in kW

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

MODEL: UIWH07AVFJ

	Indoor temperature (°CDB / °CWB)											
	17.8 / 12.2		21.1 / 15.6		23.9 / 17.2		26.7 / 19.4		29.4 / 21.7		32.2 / 22.8	
Outdoor temperature (°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
-10.0	1.75	1.22	1.97	1.39	2.08	1.61	2.23	1.80	2.38	1.97	2.45	2.26
-5.0	1.75	1.22	1.97	1.39	2.08	1.61	2.23	1.80	2.38	1.97	2.45	2.26
0.0	1.75	1.22	1.97	1.39	2.08	1.61	2.23	1.80	2.38	1.97	2.45	2.26
5.0	1.75	1.22	1.97	1.39	2.08	1.61	2.23	1.80	2.38	1.97	2.45	2.26
10.0	1.75	1.22	1.97	1.39	2.08	1.61	2.23	1.80	2.38	1.97	2.45	2.26
15.0	1.75	1.22	1.97	1.39	2.08	1.61	2.23	1.80	2.38	1.97	2.45	2.26
20.0	1.75	1.22	1.97	1.39	2.08	1.61	2.23	1.80	2.38	1.97	2.45	2.26
25.0	1.75	1.22	1.97	1.39	2.08	1.61	2.23	1.80	2.38	1.97	2.45	2.26
30.0	1.75	1.22	1.97	1.39	2.08	1.61	2.23	1.80	2.38	1.97	2.45	2.26
35.0	1.75	1.22	1.97	1.39	2.08	1.61	2.23	1.80	2.38	1.97	2.45	2.26
40.0	1.52	0.93	1.72	1.06	1.81	1.22	1.94	1.37	2.07	1.49	2.14	1.71
46.1	1.29	0.67	1.46	0.76	1.54	0.88	1.65	0.99	1.76	1.08	1.82	1.24

MODEL: UIWH07AVFJ

	Indoor temperature (°CDB / °CWB)											
	17.8 / 12.2		21.1 / 15.6		23.9 / 17.2		26.7 / 19.4		29.4 / 21.7		32.2 / 22.8	
Outdoor temperature (°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
-10.0	2.25	1.58	2.54	1.80	2.68	2.07	2.87	2.33	3.07	2.54	3.17	2.92
-5.0	2.25	1.58	2.54	1.80	2.68	2.07	2.87	2.33	3.07	2.54	3.17	2.92
0.0	2.25	1.58	2.54	1.80	2.68	2.07	2.87	2.33	3.07	2.54	3.17	2.92
5.0	2.25	1.58	2.54	1.80	2.68	2.07	2.87	2.33	3.07	2.54	3.17	2.92
10.0	2.25	1.58	2.54	1.80	2.68	2.07	2.87	2.33	3.07	2.54	3.17	2.92
15.0	2.25	1.58	2.54	1.80	2.68	2.07	2.87	2.33	3.07	2.54	3.17	2.92
20.0	2.25	1.58	2.54	1.80	2.68	2.07	2.87	2.33	3.07	2.54	3.17	2.92
25.0	2.25	1.58	2.54	1.80	2.68	2.07	2.87	2.33	3.07	2.54	3.17	2.92
30.0	2.25	1.58	2.54	1.80	2.68	2.07	2.87	2.33	3.07	2.54	3.17	2.92
35.0	2.25	1.58	2.54	1.80	2.68	2.07	2.87	2.33	3.07	2.54	3.17	2.92
40.0	1.96	1.19	2.21	1.36	2.33	1.57	2.50	1.76	2.67	1.93	2.75	2.21
46.1	1.67	0.86	1.88	0.98	1.98	1.13	2.12	1.27	2.27	1.39	2.34	1.60

OUTDOOR UNIT
UOMH36FXZHJ

MODEL: UIWH15AVFJ

	Indoor temperature (°CDB / °CWB)											
	17.8 / 12.2		21.1 / 15.6		23.9 / 17.2		26.7 / 19.4		29.4 / 21.7		32.2 / 22.8	
Outdoor temperature (°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
-10.0	2.99	1.96	3.38	2.24	3.56	2.58	3.81	2.90	4.07	3.17	4.20	3.63
-5.0	2.99	1.96	3.38	2.24	3.56	2.58	3.81	2.90	4.07	3.17	4.20	3.63
0.0	2.99	1.96	3.38	2.24	3.56	2.58	3.81	2.90	4.07	3.17	4.20	3.63
5.0	2.99	1.96	3.38	2.24	3.56	2.58	3.81	2.90	4.07	3.17	4.20	3.63
10.0	2.99	1.96	3.38	2.24	3.56	2.58	3.81	2.90	4.07	3.17	4.20	3.63
15.0	2.99	1.96	3.38	2.24	3.56	2.58	3.81	2.90	4.07	3.17	4.20	3.63
20.0	2.99	1.96	3.38	2.24	3.56	2.58	3.81	2.90	4.07	3.17	4.20	3.63
25.0	2.99	1.96	3.38	2.24	3.56	2.58	3.81	2.90	4.07	3.17	4.20	3.63
30.0	2.99	1.96	3.38	2.24	3.56	2.58	3.81	2.90	4.07	3.17	4.20	3.63
35.0	2.99	1.96	3.38	2.24	3.56	2.58	3.81	2.90	4.07	3.17	4.20	3.63
40.0	2.60	1.49	2.94	1.69	3.10	1.95	3.31	2.19	3.54	2.40	3.65	2.75
46.1	2.21	1.07	2.50	1.22	2.63	1.41	2.82	1.58	3.01	1.73	3.11	1.99

MODEL: UIWH15AVFJ

	Indoor temperature (°CDB / °CWB)											
	17.8 / 12.2		21.1 / 15.6		23.9 / 17.2		26.7 / 19.4		29.4 / 21.7		32.2 / 22.8	
Outdoor temperature (°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
-10.0	3.75	2.43	4.23	2.77	4.46	3.19	4.78	3.58	5.11	3.92	5.26	4.49
-5.0	3.75	2.43	4.23	2.77	4.46	3.19	4.78	3.58	5.11	3.92	5.26	4.49
0.0	3.75	2.43	4.23	2.77	4.46	3.19	4.78	3.58	5.11	3.92	5.26	4.49
5.0	3.75	2.43	4.23	2.77	4.46	3.19	4.78	3.58	5.11	3.92	5.26	4.49
10.0	3.75	2.43	4.23	2.77	4.46	3.19	4.78	3.58	5.11	3.92	5.26	4.49
15.0	3.75	2.43	4.23	2.77	4.46	3.19	4.78	3.58	5.11	3.92	5.26	4.49
20.0	3.75	2.43	4.23	2.77	4.46	3.19	4.78	3.58	5.11	3.92	5.26	4.49
25.0	3.75	2.43	4.23	2.77	4.46	3.19	4.78	3.58	5.11	3.92	5.26	4.49
30.0	3.75	2.43	4.23	2.77	4.46	3.19	4.78	3.58	5.11	3.92	5.26	4.49
35.0	3.75	2.43	4.23	2.77	4.46	3.19	4.78	3.58	5.11	3.92	5.26	4.49
40.0	3.26	1.84	3.68	2.10	3.88	2.41	4.16	2.71	4.44	2.97	4.58	3.40
46.1	2.77	1.33	3.13	1.52	3.30	1.75	3.53	1.96	3.78	2.14	3.89	2.46

MODEL: UIWH18AVFJ

	Indoor temperature (°CDB / °CWB)											
	17.8 / 12.2		21.1 / 15.6		23.9 / 17.2		26.7 / 19.4		29.4 / 21.7		32.2 / 22.8	
Outdoor temperature (°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
-10.0	4.48	2.98	5.06	3.40	5.34	3.92	5.72	4.40	6.11	4.81	6.30	5.51
-5.0	4.48	2.98	5.06	3.40	5.34	3.92	5.72	4.40	6.11	4.81	6.30	5.51
0.0	4.48	2.98	5.06	3.40	5.34	3.92	5.72	4.40	6.11	4.81	6.30	5.51
5.0	4.48	2.98	5.06	3.40	5.34	3.92	5.72	4.40	6.11	4.81	6.30	5.51
10.0	4.48	2.98	5.06	3.40	5.34	3.92	5.72	4.40	6.11	4.81	6.30	5.51
15.0	4.48	2.98	5.06	3.40	5.34	3.92	5.72	4.40	6.11	4.81	6.30	5.51
20.0	4.48	2.98	5.06	3.40	5.34	3.92	5.72	4.40	6.11	4.81	6.30	5.51
25.0	4.48	2.98	5.06	3.40	5.34	3.92	5.72	4.40	6.11	4.81	6.30	5.51
30.0	4.48	2.98	5.06	3.40	5.34	3.92	5.72	4.40	6.11	4.81	6.30	5.51
35.0	4.48	2.98	5.06	3.40	5.34	3.92	5.72	4.40	6.11	4.81	6.30	5.51
40.0	3.90	2.26	4.40	2.57	4.64	2.96	4.97	3.33	5.31	3.64	5.48	4.17
46.1	3.31	1.63	3.75	1.86	3.95	2.14	4.23	2.41	4.52	2.63	4.66	3.02

MODEL: UIWH24AVFJ

	Indoor temperature (°CDB / °CWB)											
	17.8 / 12.2		21.1 / 15.6		23.9 / 17.2		26.7 / 19.4		29.4 / 21.7		32.2 / 22.8	
Outdoor temperature (°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
-10.0	5.65	3.42	6.39	3.90	6.73	4.49	7.21	5.05	7.71	5.52	7.95	6.32
-5.0	5.65	3.42	6.39	3.90	6.73	4.49	7.21	5.05	7.71	5.52	7.95	6.32
0.0	5.65	3.42	6.39	3.90	6.73	4.49	7.21	5.05	7.71	5.52	7.95	6.32
5.0	5.65	3.42	6.39	3.90	6.73	4.49	7.21	5.05	7.71	5.52	7.95	6.32
10.0	5.65	3.42	6.39	3.90	6.73	4.49	7.21	5.05	7.71	5.52	7.95	6.32
15.0	5.65	3.42	6.39	3.90	6.73	4.49	7.21	5.05	7.71	5.52	7.95	6.32
20.0	5.65	3.42	6.39	3.90	6.73	4.49	7.21	5.05	7.71	5.52	7.95	6.32
25.0	5.65	3.42	6.39	3.90	6.73	4.49	7.21	5.05	7.71	5.52	7.95	6.32
30.0	5.65	3.42	6.39	3.90	6.73	4.49	7.21	5.05	7.71	5.52	7.95	6.32
35.0	5.65	3.42	6.39	3.90	6.73	4.49	7.21	5.05	7.71	5.52	7.95	6.32
40.0	4.92	2.59	5.56	2.95	5.86	3.40	6.27	3.82	6.70	4.18	6.91	4.79
46.1	4.18	1.87	4.73	2.14	4.98	2.46	5.33	2.76	5.70	3.02	5.88	3.46

OUTDOOR UNIT
UOMH36FXZHJ

■ Floor type

● Cooling capacity in kBtu/h

- TC: Total Capacity (kBtu/h), SHC: Sensible Heat Capacity (kBtu/h).
- 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]

MODEL: RIFH09AVFJ

Outdoor temperature	Indoor temperature (°FDB / °FWB)											
	64.0 / 54.0		70.0 / 60.0		75.0 / 63.0		80.0 / 67.0		85.0 / 71.0		90.0 / 73.0	
(°FDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
14.0	7.68	5.25	8.68	5.99	9.15	6.89	9.80	7.74	10.48	8.47	10.80	9.70
23.0	7.68	5.25	8.68	5.99	9.15	6.89	9.80	7.74	10.48	8.47	10.80	9.70
32.0	7.68	5.25	8.68	5.99	9.15	6.89	9.80	7.74	10.48	8.47	10.80	9.70
41.0	7.68	5.25	8.68	5.99	9.15	6.89	9.80	7.74	10.48	8.47	10.80	9.70
50.0	7.68	5.25	8.68	5.99	9.15	6.89	9.80	7.74	10.48	8.47	10.80	9.70
59.0	7.68	5.25	8.68	5.99	9.15	6.89	9.80	7.74	10.48	8.47	10.80	9.70
67.0	7.68	5.25	8.68	5.99	9.15	6.89	9.80	7.74	10.48	8.47	10.80	9.70
77.0	7.68	5.25	8.68	5.99	9.15	6.89	9.80	7.74	10.48	8.47	10.80	9.70
87.0	7.68	5.25	8.68	5.99	9.15	6.89	9.80	7.74	10.48	8.47	10.80	9.70
95.0	7.68	5.25	8.68	5.99	9.15	6.89	9.80	7.74	10.48	8.47	10.80	9.70
104.0	7.27	4.70	8.22	5.36	8.66	6.17	9.27	6.93	9.91	7.58	10.22	8.69
115.0	6.86	4.18	7.75	4.77	8.17	5.49	8.75	6.17	9.35	6.74	9.64	7.73

MODEL: RIFH12AVFJ

Outdoor temperature	Indoor temperature (°FDB / °FWB)											
	64.0 / 54.0		70.0 / 60.0		75.0 / 63.0		80.0 / 67.0		85.0 / 71.0		90.0 / 73.0	
(°FDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
14.0	10.19	6.52	11.52	7.44	12.14	8.56	13.00	9.62	13.90	10.52	14.33	12.05
23.0	10.19	6.52	11.52	7.44	12.14	8.56	13.00	9.62	13.90	10.52	14.33	12.05
32.0	10.19	6.52	11.52	7.44	12.14	8.56	13.00	9.62	13.90	10.52	14.33	12.05
41.0	10.19	6.52	11.52	7.44	12.14	8.56	13.00	9.62	13.90	10.52	14.33	12.05
50.0	10.19	6.52	11.52	7.44	12.14	8.56	13.00	9.62	13.90	10.52	14.33	12.05
59.0	10.19	6.52	11.52	7.44	12.14	8.56	13.00	9.62	13.90	10.52	14.33	12.05
67.0	10.19	6.52	11.52	7.44	12.14	8.56	13.00	9.62	13.90	10.52	14.33	12.05
77.0	10.19	6.52	11.52	7.44	12.14	8.56	13.00	9.62	13.90	10.52	14.33	12.05
87.0	10.19	6.52	11.52	7.44	12.14	8.56	13.00	9.62	13.90	10.52	14.33	12.05
95.0	10.19	6.52	11.52	7.44	12.14	8.56	13.00	9.62	13.90	10.52	14.33	12.05
104.0	9.64	5.84	10.90	6.66	11.49	7.67	12.30	8.61	13.15	9.42	13.56	10.79
115.0	9.10	5.20	10.28	5.92	10.84	6.82	11.60	7.66	12.40	8.38	12.78	9.60

MODEL: RIFH15AVFJ

Outdoor temperature	Indoor temperature (°FDB / °FWB)											
	64.0 / 54.0		70.0 / 60.0		75.0 / 63.0		80.0 / 67.0		85.0 / 71.0		90.0 / 73.0	
(°FDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
14.0	12.78	7.96	14.44	9.07	15.22	10.45	16.30	11.74	17.42	12.84	17.96	14.71
23.0	12.78	7.96	14.44	9.07	15.22	10.45	16.30	11.74	17.42	12.84	17.96	14.71
32.0	12.78	7.96	14.44	9.07	15.22	10.45	16.30	11.74	17.42	12.84	17.96	14.71
41.0	12.78	7.96	14.44	9.07	15.22	10.45	16.30	11.74	17.42	12.84	17.96	14.71
50.0	12.78	7.96	14.44	9.07	15.22	10.45	16.30	11.74	17.42	12.84	17.96	14.71
59.0	12.78	7.96	14.44	9.07	15.22	10.45	16.30	11.74	17.42	12.84	17.96	14.71
67.0	12.78	7.96	14.44	9.07	15.22	10.45	16.30	11.74	17.42	12.84	17.96	14.71
77.0	12.78	7.96	14.44	9.07	15.22	10.45	16.30	11.74	17.42	12.84	17.96	14.71
87.0	12.78	7.96	14.44	9.07	15.22	10.45	16.30	11.74	17.42	12.84	17.96	14.71
95.0	12.78	7.96	14.44	9.07	15.22	10.45	16.30	11.74	17.42	12.84	17.96	14.71
104.0	12.09	7.13	13.66	8.12	14.40	9.35	15.42	10.51	16.49	11.49	17.00	13.17
115.0	11.40	6.34	12.89	7.22	13.59	8.32	14.55	9.35	15.55	10.22	16.03	11.71

OUTDOOR UNIT
UOMH36FXZHJ

● Cooling capacity in kW

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

MODEL: RIFH09AVFJ

Outdoor temperature	Indoor temperature (°CDB / °CWB)											
	17.8 / 12.2		21.1 / 15.6		23.9 / 17.2		26.7 / 19.4		29.4 / 21.7		32.2 / 22.8	
(°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
-10.0	2.25	1.54	2.54	1.75	2.68	2.02	2.87	2.27	3.07	2.48	3.17	2.84
-5.0	2.25	1.54	2.54	1.75	2.68	2.02	2.87	2.27	3.07	2.48	3.17	2.84
0.0	2.25	1.54	2.54	1.75	2.68	2.02	2.87	2.27	3.07	2.48	3.17	2.84
5.0	2.25	1.54	2.54	1.75	2.68	2.02	2.87	2.27	3.07	2.48	3.17	2.84
10.0	2.25	1.54	2.54	1.75	2.68	2.02	2.87	2.27	3.07	2.48	3.17	2.84
15.0	2.25	1.54	2.54	1.75	2.68	2.02	2.87	2.27	3.07	2.48	3.17	2.84
20.0	2.25	1.54	2.54	1.75	2.68	2.02	2.87	2.27	3.07	2.48	3.17	2.84
25.0	2.25	1.54	2.54	1.75	2.68	2.02	2.87	2.27	3.07	2.48	3.17	2.84
30.0	2.25	1.54	2.54	1.75	2.68	2.02	2.87	2.27	3.07	2.48	3.17	2.84
35.0	2.25	1.54	2.54	1.75	2.68	2.02	2.87	2.27	3.07	2.48	3.17	2.84
40.0	2.13	1.38	2.41	1.57	2.54	1.81	2.72	2.03	2.91	2.22	2.99	2.55
46.1	2.01	1.23	2.27	1.40	2.39	1.61	2.56	1.81	2.74	1.98	2.82	2.26

MODEL: RIFH12AVFJ

Outdoor temperature	Indoor temperature (°CDB / °CWB)											
	17.8 / 12.2		21.1 / 15.6		23.9 / 17.2		26.7 / 19.4		29.4 / 21.7		32.2 / 22.8	
(°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
-10.0	2.99	1.91	3.38	2.18	3.56	2.51	3.81	2.82	4.07	3.08	4.20	3.53
-5.0	2.99	1.91	3.38	2.18	3.56	2.51	3.81	2.82	4.07	3.08	4.20	3.53
0.0	2.99	1.91	3.38	2.18	3.56	2.51	3.81	2.82	4.07	3.08	4.20	3.53
5.0	2.99	1.91	3.38	2.18	3.56	2.51	3.81	2.82	4.07	3.08	4.20	3.53
10.0	2.99	1.91	3.38	2.18	3.56	2.51	3.81	2.82	4.07	3.08	4.20	3.53
15.0	2.99	1.91	3.38	2.18	3.56	2.51	3.81	2.82	4.07	3.08	4.20	3.53
20.0	2.99	1.91	3.38	2.18	3.56	2.51	3.81	2.82	4.07	3.08	4.20	3.53
25.0	2.99	1.91	3.38	2.18	3.56	2.51	3.81	2.82	4.07	3.08	4.20	3.53
30.0	2.99	1.91	3.38	2.18	3.56	2.51	3.81	2.82	4.07	3.08	4.20	3.53
35.0	2.99	1.91	3.38	2.18	3.56	2.51	3.81	2.82	4.07	3.08	4.20	3.53
40.0	2.83	1.71	3.19	1.95	3.37	2.25	3.61	2.52	3.85	2.76	3.97	3.16
46.1	2.67	1.52	3.01	1.74	3.18	2.00	3.40	2.25	3.63	2.46	3.75	2.81

MODEL: RIFH15AVFJ

Outdoor temperature	Indoor temperature (°CDB / °CWB)											
	17.8 / 12.2		21.1 / 15.6		23.9 / 17.2		26.7 / 19.4		29.4 / 21.7		32.2 / 22.8	
(°CDB)	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
-10.0	3.75	2.33	4.23	2.66	4.46	3.06	4.78	3.44	5.11	3.76	5.26	4.31
-5.0	3.75	2.33	4.23	2.66	4.46	3.06	4.78	3.44	5.11	3.76	5.26	4.31
0.0	3.75	2.33	4.23	2.66	4.46	3.06	4.78	3.44	5.11	3.76	5.26	4.31
5.0	3.75	2.33	4.23	2.66	4.46	3.06	4.78	3.44	5.11	3.76	5.26	4.31
10.0	3.75	2.33	4.23	2.66	4.46	3.06	4.78	3.44	5.11	3.76	5.26	4.31
15.0	3.75	2.33	4.23	2.66	4.46	3.06	4.78	3.44	5.11	3.76	5.26	4.31
20.0	3.75	2.33	4.23	2.66	4.46	3.06	4.78	3.44	5.11	3.76	5.26	4.31
25.0	3.75	2.33	4.23	2.66	4.46	3.06	4.78	3.44	5.11	3.76	5.26	4.31
30.0	3.75	2.33	4.23	2.66	4.46	3.06	4.78	3.44	5.11	3.76	5.26	4.31
35.0	3.75	2.33	4.23	2.66	4.46	3.06	4.78	3.44	5.11	3.76	5.26	4.31
40.0	3.54	2.09	4.00	2.38	4.22	2.74	4.52	3.08	4.83	3.37	4.98	3.86
46.1	3.34	1.86	3.78	2.12	3.98	2.44	4.26	2.74	4.56	3.00	4.70	3.43

OUTDOOR UNIT
UOMH36FXZHJ

6-3. Heating capacity

■ Model: UOMH36FXZHJ

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

● Heating capacity in kBtu/h

TC: Total Capacity (kBtu/h), IP: Input Power (kW)

Indoor unit connecting capacity	Outdoor temperature		Indoor temperature									
			60 °FDB		65 °FDB		70 °FDB		75 °FDB		78 °FDB	
kBtu/h	°FDB	°FWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
39	-15	-17	23.3	3.46	22.7	3.53	22.1	3.60	21.6	3.67	21.0	3.74
	-5	-7	26.4	3.65	25.8	3.72	25.1	3.80	24.5	3.88	23.9	3.95
	5	3	38.2	5.08	37.3	5.18	36.4	5.29	35.5	5.40	34.6	5.50
	14	12	40.6	5.01	39.6	5.12	38.6	5.22	37.7	5.32	36.7	5.43
	23	19	42.9	4.76	41.9	4.86	40.8	4.96	39.8	5.06	38.8	5.16
	32	28	44.1	4.57	43.1	4.66	42.0	4.76	41.0	4.86	39.9	4.95
	41	37	44.1	3.94	43.1	4.02	42.0	4.10	41.0	4.18	39.9	4.26
	47	43	44.1	3.21	43.1	3.28	42.0	3.35	41.0	3.41	39.9	3.48
	50	47	44.1	3.20	43.1	3.27	42.0	3.34	41.0	3.40	39.9	3.47
	59	50	44.1	3.18	43.1	3.25	42.0	3.31	41.0	3.38	39.9	3.45
	68	59	44.1	3.05	43.1	3.11	42.0	3.18	41.0	3.24	39.9	3.30
	75	65	44.1	2.95	43.1	3.01	42.0	3.07	41.0	3.13	39.9	3.19
38	-15	-17	23.3	3.46	22.7	3.53	22.1	3.60	21.6	3.67	21.0	3.74
	-5	-7	26.4	3.65	25.8	3.72	25.1	3.80	24.5	3.88	23.9	3.95
	5	3	38.2	5.08	37.3	5.18	36.4	5.29	35.5	5.40	34.6	5.50
	14	12	40.6	5.01	39.6	5.12	38.6	5.22	37.7	5.32	36.7	5.43
	23	19	42.9	4.76	41.9	4.86	40.8	4.96	39.8	5.06	38.8	5.16
	32	28	44.1	4.57	43.1	4.66	42.0	4.76	41.0	4.86	39.9	4.95
	41	37	44.1	3.94	43.1	4.02	42.0	4.10	41.0	4.18	39.9	4.26
	47	43	44.1	3.21	43.1	3.28	42.0	3.35	41.0	3.41	39.9	3.48
	50	47	44.1	3.20	43.1	3.27	42.0	3.34	41.0	3.40	39.9	3.47
	59	50	44.1	3.18	43.1	3.25	42.0	3.31	41.0	3.38	39.9	3.45
	68	59	44.1	3.05	43.1	3.11	42.0	3.18	41.0	3.24	39.9	3.30
	75	65	44.1	2.95	43.1	3.01	42.0	3.07	41.0	3.13	39.9	3.19
37	-15	-17	23.3	3.46	22.7	3.53	22.1	3.60	21.6	3.67	21.0	3.74
	-5	-7	26.4	3.65	25.8	3.72	25.1	3.80	24.5	3.88	23.9	3.95
	5	3	38.2	5.08	37.3	5.18	36.4	5.29	35.5	5.40	34.6	5.50
	14	12	40.6	5.01	39.6	5.12	38.6	5.22	37.7	5.32	36.7	5.43
	23	19	42.9	4.76	41.9	4.86	40.8	4.96	39.8	5.06	38.8	5.16
	32	28	44.1	4.57	43.1	4.66	42.0	4.76	41.0	4.86	39.9	4.95
	41	37	44.1	3.94	43.1	4.02	42.0	4.10	41.0	4.18	39.9	4.26
	47	43	44.1	3.21	43.1	3.28	42.0	3.35	41.0	3.41	39.9	3.48
	50	47	44.1	3.20	43.1	3.27	42.0	3.34	41.0	3.40	39.9	3.47
	59	50	44.1	3.18	43.1	3.25	42.0	3.31	41.0	3.38	39.9	3.45
	68	59	44.1	3.05	43.1	3.11	42.0	3.18	41.0	3.24	39.9	3.30
	75	65	44.1	2.95	43.1	3.01	42.0	3.07	41.0	3.13	39.9	3.19
36	-15	-17	23.3	3.45	22.7	3.52	22.1	3.59	21.6	3.66	21.0	3.74
	-5	-7	26.4	3.64	25.8	3.72	25.1	3.79	24.5	3.87	23.9	3.94
	5	3	38.2	5.07	37.3	5.18	36.4	5.28	35.5	5.39	34.6	5.49
	14	12	40.6	5.01	39.6	5.11	38.6	5.21	37.7	5.32	36.7	5.42
	23	19	42.9	4.76	41.9	4.86	40.8	4.96	39.8	5.06	38.8	5.16
	32	28	44.1	4.57	43.1	4.66	42.0	4.76	41.0	4.85	39.9	4.95
	41	37	44.1	3.94	43.1	4.02	42.0	4.10	41.0	4.18	39.9	4.26
	47	43	44.1	3.21	43.1	3.28	42.0	3.35	41.0	3.41	39.9	3.48
	50	47	44.1	3.20	43.1	3.27	42.0	3.34	41.0	3.40	39.9	3.47
	59	50	44.1	3.18	43.1	3.25	42.0	3.31	41.0	3.38	39.9	3.45
	68	59	44.1	3.05	43.1	3.11	42.0	3.18	41.0	3.24	39.9	3.30
	75	65	44.1	2.95	43.1	3.01	42.0	3.07	41.0	3.13	39.9	3.19
35	-15	-17	22.6	3.35	22.1	3.42	21.5	3.49	21.0	3.56	20.5	3.63
	-5	-7	25.6	3.53	25.0	3.61	24.4	3.68	23.8	3.75	23.2	3.83
	5	3	37.2	4.92	36.3	5.03	35.4	5.13	34.5	5.23	33.6	5.34
	14	12	39.4	4.86	38.5	4.96	37.6	5.06	36.6	5.16	35.7	5.26
	23	19	41.7	4.62	40.7	4.71	39.7	4.81	38.7	4.91	37.7	5.00
	32	28	42.9	4.44	41.9	4.53	40.8	4.62	39.8	4.71	38.8	4.80
	41	37	42.9	3.82	41.9	3.90	40.8	3.98	39.8	4.06	38.8	4.14
	47	43	42.9	3.11	41.9	3.18	40.8	3.24	39.8	3.31	38.8	3.37
	50	47	42.9	3.11	41.9	3.17	40.8	3.24	39.8	3.30	38.8	3.37
	59	50	42.9	3.08	41.9	3.15	40.8	3.21	39.8	3.28	38.8	3.34
	68	59	42.9	2.96	41.9	3.02	40.8	3.08	39.8	3.14	38.8	3.20
	75	65	42.9	2.86	41.9	2.92	40.8	2.98	39.8	3.04	38.8	3.10
34	-15	-17	22.0	3.24	21.4	3.31	20.9	3.38	20.4	3.45	19.9	3.52
	-5	-7	24.9	3.43	24.3	3.50	23.7	3.57	23.1	3.64	22.5	3.71
	5	3	36.1	4.77	35.2	4.87	34.4	4.97	33.5	5.07	32.7	5.17
	14	12	38.3	4.70	37.4	4.80	36.5	4.90	35.6	5.00	34.7	5.10
	23	19	40.5	4.47	39.5	4.57	38.6	4.66	37.6	4.75	36.7	4.85
	32	28	41.7	4.30	40.7	4.39	39.7	4.48	38.7	4.57	37.7	4.66
	41	37	41.7	3.71	40.7	3.78	39.7	3.86	38.7	3.94	37.7	4.01
	47	43	41.7	3.02	40.7	3.08	39.7	3.14	38.7	3.21	37.7	3.27
	50	47	41.7	3.01	40.7	3.07	39.7	3.14	38.7	3.20	37.7	3.26
	59	50	41.7	2.99	40.7	3.05	39.7	3.11	38.7	3.17	37.7	3.24
	68	59	41.7	2.86	40.7	2.92	39.7	2.98	38.7	3.04	37.7	3.10
	75	65	41.7	2.77	40.7	2.83	39.7	2.88	38.7	2.94	37.7	3.00

OUTDOOR UNIT
UOMH36FXZHJ

Indoor unit connecting capacity	Outdoor temperature		Indoor temperature									
			60 °FDB		65 °FDB		70 °FDB		75 °FDB		78 °FDB	
kBtu/h	°FDB	°FWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
33	-15	-17	21.3	3.14	20.8	3.20	20.3	3.27	19.8	3.34	19.3	3.40
	-5	-7	24.2	3.31	23.6	3.38	23.0	3.45	22.5	3.52	21.9	3.59
	5	3	35.0	4.62	34.2	4.71	33.4	4.81	32.5	4.91	31.7	5.00
	14	12	37.2	4.56	36.3	4.66	35.4	4.75	34.5	4.85	33.6	4.94
	23	19	39.3	4.33	38.4	4.42	37.4	4.51	36.5	4.60	35.6	4.69
	32	28	40.4	4.16	39.5	4.24	38.5	4.33	37.5	4.42	36.6	4.50
	41	37	40.4	3.58	39.5	3.66	38.5	3.73	37.5	3.80	36.6	3.88
	47	43	40.4	2.92	39.5	2.98	38.5	3.04	37.5	3.10	36.6	3.16
	50	47	40.4	2.91	39.5	2.97	38.5	3.03	37.5	3.10	36.6	3.16
	59	50	40.4	2.89	39.5	2.95	38.5	3.01	37.5	3.07	36.6	3.13
	68	59	40.4	2.77	39.5	2.83	38.5	2.89	37.5	2.95	36.6	3.00
	75	65	40.4	2.68	39.5	2.74	38.5	2.79	37.5	2.85	36.6	2.90
32	-15	-17	20.7	3.03	20.2	3.09	19.7	3.16	19.2	3.22	18.7	3.28
	-5	-7	23.4	3.20	22.9	3.27	22.3	3.33	21.8	3.40	21.2	3.47
	5	3	34.0	4.46	33.2	4.55	32.4	4.64	31.5	4.74	30.7	4.83
	14	12	36.1	4.40	35.2	4.49	34.3	4.58	33.5	4.67	32.6	4.77
	23	19	38.1	4.18	37.2	4.27	36.3	4.36	35.4	4.45	34.5	4.53
	32	28	39.2	4.02	38.3	4.10	37.3	4.18	36.4	4.27	35.5	4.35
	41	37	39.2	3.46	38.3	3.53	37.3	3.60	36.4	3.68	35.5	3.75
	47	43	39.2	2.82	38.3	2.88	37.3	2.94	36.4	3.00	35.5	3.06
	50	47	39.2	2.82	38.3	2.88	37.3	2.93	36.4	2.99	35.5	3.05
	59	50	39.2	2.80	38.3	2.85	37.3	2.91	36.4	2.97	35.5	3.03
	68	59	39.2	2.68	38.3	2.74	37.3	2.79	36.4	2.85	35.5	2.90
	75	65	39.2	2.59	38.3	2.64	37.3	2.70	36.4	2.75	35.5	2.81
31	-15	-17	20.0	2.93	19.5	2.99	19.1	3.05	18.6	3.11	18.1	3.17
	-5	-7	22.7	3.09	22.2	3.16	21.6	3.22	21.1	3.28	20.6	3.35
	5	3	32.9	4.31	32.1	4.40	31.3	4.49	30.6	4.58	29.8	4.67
	14	12	34.9	4.25	34.1	4.34	33.3	4.43	32.4	4.52	31.6	4.61
	23	19	36.9	4.04	36.1	4.13	35.2	4.21	34.3	4.29	33.4	4.38
	32	28	38.0	3.88	37.1	3.96	36.2	4.04	35.3	4.12	34.4	4.20
	41	37	38.0	3.34	37.1	3.41	36.2	3.48	35.3	3.55	34.4	3.62
	47	43	38.0	2.73	37.1	2.78	36.2	2.84	35.3	2.90	34.4	2.95
	50	47	38.0	2.72	37.1	2.78	36.2	2.83	35.3	2.89	34.4	2.95
	59	50	38.0	2.70	37.1	2.76	36.2	2.81	35.3	2.87	34.4	2.92
	68	59	38.0	2.59	37.1	2.64	36.2	2.70	35.3	2.75	34.4	2.80
	75	65	38.0	2.50	37.1	2.55	36.2	2.61	35.3	2.66	34.4	2.71
30	-15	-17	19.4	2.83	18.9	2.89	18.5	2.95	18.0	3.01	17.5	3.07
	-5	-7	22.0	2.99	21.5	3.05	20.9	3.11	20.4	3.17	19.9	3.23
	5	3	31.9	4.16	31.1	4.24	30.3	4.33	29.6	4.42	28.8	4.50
	14	12	33.8	4.10	33.0	4.18	32.2	4.27	31.4	4.36	30.6	4.44
	23	19	35.7	3.90	34.9	3.98	34.0	4.06	33.2	4.14	32.3	4.22
	32	28	36.8	3.74	35.9	3.82	35.0	3.90	34.1	3.98	33.3	4.06
	41	37	36.8	3.23	35.9	3.29	35.0	3.36	34.1	3.43	33.3	3.49
	47	43	36.8	2.63	35.9	2.68	35.0	2.74	34.1	2.79	33.3	2.85
	50	47	36.8	2.62	35.9	2.68	35.0	2.73	34.1	2.79	33.3	2.84
	59	50	36.8	2.60	35.9	2.66	35.0	2.71	34.1	2.77	33.3	2.82
	68	59	36.8	2.50	35.9	2.55	35.0	2.60	34.1	2.65	33.3	2.70
	75	65	36.8	2.41	35.9	2.46	35.0	2.51	34.1	2.56	33.3	2.61
29	-15	-17	18.7	2.72	18.3	2.78	17.8	2.83	17.4	2.89	16.9	2.95
	-5	-7	21.2	2.87	20.7	2.93	20.2	2.99	19.7	3.05	19.2	3.11
	5	3	30.8	4.00	30.1	4.08	29.3	4.16	28.6	4.25	27.9	4.33
	14	12	32.7	3.95	31.9	4.03	31.1	4.11	30.3	4.19	29.6	4.27
	23	19	34.6	3.75	33.7	3.83	32.9	3.91	32.1	3.99	31.3	4.06
	32	28	35.5	3.60	34.7	3.68	33.8	3.75	33.0	3.83	32.1	3.90
	41	37	35.5	3.10	34.7	3.17	33.8	3.23	33.0	3.30	32.1	3.36
	47	43	35.5	2.53	34.7	2.58	33.8	2.64	33.0	2.69	32.1	2.74
	50	47	35.5	2.53	34.7	2.58	33.8	2.63	33.0	2.68	32.1	2.74
	59	50	35.5	2.51	34.7	2.56	33.8	2.61	33.0	2.66	32.1	2.72
	68	59	35.5	2.40	34.7	2.45	33.8	2.50	33.0	2.55	32.1	2.60
	75	65	35.5	2.32	34.7	2.37	33.8	2.42	33.0	2.47	32.1	2.52
28	-15	-17	18.1	2.62	17.7	2.68	17.2	2.73	16.8	2.78	16.4	2.84
	-5	-7	20.5	2.76	20.0	2.82	19.5	2.88	19.1	2.94	18.6	3.00
	5	3	29.7	3.85	29.0	3.93	28.3	4.01	27.6	4.09	26.9	4.17
	14	12	31.6	3.80	30.8	3.88	30.0	3.96	29.3	4.04	28.5	4.12
	23	19	33.4	3.61	32.6	3.68	31.8	3.76	31.0	3.84	30.2	3.91
	32	28	34.3	3.47	33.5	3.54	32.7	3.61	31.9	3.68	31.0	3.75
	41	37	34.3	2.99	33.5	3.05	32.7	3.11	31.9	3.17	31.0	3.23
	47	43	34.3	2.43	33.5	2.49	32.7	2.54	31.9	2.59	31.0	2.64
	50	47	34.3	2.43	33.5	2.48	32.7	2.53	31.9	2.58	31.0	2.63
	59	50	34.3	2.41	33.5	2.46	32.7	2.51	31.9	2.56	31.0	2.61
	68	59	34.3	2.31	33.5	2.36	32.7	2.41	31.9	2.46	31.0	2.50
	75	65	34.3	2.23	33.5	2.28	32.7	2.33	31.9	2.37	31.0	2.42
27	-15	-17	17.4	2.51	17.0	2.56	16.6	2.61	16.2	2.67	15.8	2.72
	-5	-7	19.8	2.65	19.3	2.70	18.8	2.76	18.4	2.81	17.9	2.87
	5	3	28.7	3.69	28.0	3.77	27.3	3.84	26.6	3.92	25.9	4.00
	14	12	30.4	3.64	29.7	3.72	29.0	3.79	28.3	3.87	27.5	3.95
	23	19	32.2	3.46	31.4	3.54	30.6	3.61	29.9	3.68	29.1	3.75
	32	28	33.1	3.32	32.3	3.39	31.5	3.46	30.7	3.53	29.9	3.60
	41	37	33.1	2.86	32.3	2.92	31.5	2.98	30.7	3.04	29.9	3.10
	47	43	33.1	2.34	32.3	2.39	31.5	2.44	30.7	2.48	29.9	2.53
	50	47	33.1	2.33	32.3	2.38	31.5	2.43	30.7	2.48	29.9	2.53
	59	50	33.1	2.31	32.3	2.36	31.5	2.41	30.7	2.46	29.9	2.51
	68	59	33.1	2.22	32.3	2.27	31.5	2.31	30.7	2.36	29.9	2.40
	75	65	33.1	2.14	32.3	2.19	31.5	2.23	30.7	2.28	29.9	2.32

OUTDOOR UNIT
UOMH36FXZHJ

NOTE: Specifications are based on the following conditions.

- Power source of specifications: 230 V
- 2 or more indoor units should be connected.
- 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 up to 39,000 Btu from 27,000 Btu.
- Input in the table are calculated based on the maximum indoor unit input combinations.

OUTDOOR UNIT
UOMH36FXZHJ

● Heating capacity in kW

TC: Total Capacity (kW), IP: Input Power (kW)

Indoor unit connecting capacity	Outdoor temperature		Indoor temperature									
			15.6 °CDB		18.3 °CDB		21.1 °CDB		23.9 °CDB		25.6 °CDB	
kBtu/h	°CDB	°CWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
39	-26.1	-27.0	6.81	3.46	6.65	3.53	6.40	3.60	6.32	3.67	6.16	3.74
	-20.6	-21.7	7.73	3.65	7.54	3.72	7.30	3.80	7.17	3.88	6.99	3.95
	-15.0	-16.1	11.20	5.08	10.93	5.18	10.60	5.29	10.40	5.40	10.13	5.50
	-10.0	-11.1	11.88	5.01	11.60	5.12	11.30	5.22	11.04	5.32	10.75	5.43
	-5.0	-7.2	12.57	4.76	12.27	4.86	11.90	4.96	11.67	5.06	11.37	5.16
	0.0	-2.2	12.92	4.57	12.61	4.66	12.30	4.76	12.00	4.86	11.69	4.95
	5.0	2.8	12.92	3.94	12.61	4.02	12.30	4.10	12.00	4.18	11.69	4.26
	8.3	6.1	12.92	3.21	12.61	3.28	12.30	3.35	12.00	3.41	11.69	3.48
	10.0	8.3	12.92	3.20	12.61	3.27	12.30	3.34	12.00	3.40	11.69	3.47
	15.0	10.0	12.92	3.18	12.61	3.25	12.30	3.31	12.00	3.38	11.69	3.45
	20.0	15.0	12.92	3.05	12.61	3.11	12.30	3.18	12.00	3.24	11.69	3.30
	23.9	18.3	12.92	2.95	12.61	3.01	12.30	3.07	12.00	3.13	11.69	3.19
38	-26.1	-27.0	6.81	3.46	6.65	3.53	6.40	3.60	6.32	3.67	6.16	3.74
	-20.6	-21.7	7.73	3.65	7.54	3.72	7.30	3.80	7.17	3.88	6.99	3.95
	-15.0	-16.1	11.20	5.08	10.93	5.18	10.60	5.29	10.40	5.40	10.13	5.50
	-10.0	-11.1	11.88	5.01	11.60	5.12	11.30	5.22	11.04	5.32	10.75	5.43
	-5.0	-7.2	12.57	4.76	12.27	4.86	11.90	4.96	11.67	5.06	11.37	5.16
	0.0	-2.2	12.92	4.57	12.61	4.66	12.30	4.76	12.00	4.86	11.69	4.95
	5.0	2.8	12.92	3.94	12.61	4.02	12.30	4.10	12.00	4.18	11.69	4.26
	8.3	6.1	12.92	3.21	12.61	3.28	12.30	3.35	12.00	3.41	11.69	3.48
	10.0	8.3	12.92	3.20	12.61	3.27	12.30	3.34	12.00	3.40	11.69	3.47
	15.0	10.0	12.92	3.18	12.61	3.25	12.30	3.31	12.00	3.38	11.69	3.45
	20.0	15.0	12.92	3.05	12.61	3.11	12.30	3.18	12.00	3.24	11.69	3.30
	23.9	18.3	12.92	2.95	12.61	3.01	12.30	3.07	12.00	3.13	11.69	3.19
37	-26.1	-27.0	6.81	3.46	6.65	3.53	6.40	3.60	6.32	3.67	6.16	3.74
	-20.6	-21.7	7.73	3.65	7.54	3.72	7.30	3.80	7.17	3.88	6.99	3.95
	-15.0	-16.1	11.20	5.08	10.93	5.18	10.60	5.29	10.40	5.40	10.13	5.50
	-10.0	-11.1	11.88	5.01	11.60	5.12	11.30	5.22	11.04	5.32	10.75	5.43
	-5.0	-7.2	12.57	4.76	12.27	4.86	11.90	4.96	11.67	5.06	11.37	5.16
	0.0	-2.2	12.92	4.57	12.61	4.66	12.30	4.76	12.00	4.86	11.69	4.95
	5.0	2.8	12.92	3.94	12.61	4.02	12.30	4.10	12.00	4.18	11.69	4.26
	8.3	6.1	12.92	3.21	12.61	3.28	12.30	3.35	12.00	3.41	11.69	3.48
	10.0	8.3	12.92	3.20	12.61	3.27	12.30	3.34	12.00	3.40	11.69	3.47
	15.0	10.0	12.92	3.18	12.61	3.25	12.30	3.31	12.00	3.38	11.69	3.45
	20.0	15.0	12.92	3.05	12.61	3.11	12.30	3.18	12.00	3.24	11.69	3.30
	23.9	18.3	12.92	2.95	12.61	3.01	12.30	3.07	12.00	3.13	11.69	3.19
36	-26.1	-27.0	6.81	3.45	6.65	3.52	6.40	3.59	6.32	3.66	6.16	3.74
	-20.6	-21.7	7.73	3.64	7.54	3.72	7.30	3.79	7.17	3.87	6.99	3.94
	-15.0	-16.1	11.20	5.07	10.93	5.18	10.60	5.28	10.40	5.39	10.13	5.49
	-10.0	-11.1	11.88	5.01	11.60	5.11	11.30	5.21	11.04	5.32	10.75	5.42
	-5.0	-7.2	12.57	4.76	12.27	4.86	11.90	4.96	11.67	5.06	11.37	5.16
	0.0	-2.2	12.92	4.57	12.61	4.66	12.30	4.76	12.00	4.85	11.69	4.95
	5.0	2.8	12.92	3.94	12.61	4.02	12.30	4.10	12.00	4.18	11.69	4.26
	8.3	6.1	12.92	3.21	12.61	3.28	12.30	3.35	12.00	3.41	11.69	3.48
	10.0	8.3	12.92	3.20	12.61	3.27	12.30	3.34	12.00	3.40	11.69	3.47
	15.0	10.0	12.92	3.18	12.61	3.25	12.30	3.31	12.00	3.38	11.69	3.45
	20.0	15.0	12.92	3.05	12.61	3.11	12.30	3.18	12.00	3.24	11.69	3.30
	23.9	18.3	12.92	2.95	12.61	3.01	12.30	3.07	12.00	3.13	11.69	3.19
35	-26.1	-27.0	6.62	3.35	6.46	3.42	6.30	3.49	6.15	3.56	5.99	3.63
	-20.6	-21.7	7.51	3.53	7.33	3.61	7.10	3.68	6.97	3.75	6.80	3.83
	-15.0	-16.1	10.89	4.92	10.63	5.03	10.30	5.13	10.11	5.23	9.85	5.34
	-10.0	-11.1	11.55	4.86	11.28	4.96	11.00	5.06	10.73	5.16	10.45	5.26
	-5.0	-7.2	12.22	4.62	11.93	4.71	11.60	4.81	11.34	4.91	11.05	5.00
	0.0	-2.2	12.56	4.44	12.26	4.53	11.90	4.62	11.66	4.71	11.36	4.80
	5.0	2.8	12.56	3.82	12.26	3.90	11.90	3.98	11.66	4.06	11.36	4.14
	8.3	6.1	12.56	3.11	12.26	3.18	11.90	3.24	11.66	3.31	11.36	3.37
	10.0	8.3	12.56	3.11	12.26	3.17	11.90	3.24	11.66	3.30	11.36	3.37
	15.0	10.0	12.56	3.08	12.26	3.15	11.90	3.21	11.66	3.28	11.36	3.34
	20.0	15.0	12.56	2.96	12.26	3.02	11.90	3.08	11.66	3.14	11.36	3.20
	23.9	18.3	12.56	2.86	12.26	2.92	11.90	2.98	11.66	3.04	11.36	3.10
34	-26.1	-27.0	6.43	3.24	6.28	3.31	6.10	3.38	5.97	3.45	5.82	3.52
	-20.6	-21.7	7.30	3.43	7.12	3.50	6.90	3.57	6.77	3.64	6.60	3.71
	-15.0	-16.1	10.57	4.77	10.32	4.87	10.00	4.97	9.82	5.07	9.57	5.17
	-10.0	-11.1	11.22	4.70	10.96	4.80	10.60	4.90	10.42	5.00	10.15	5.10
	-5.0	-7.2	11.87	4.47	11.58	4.57	11.30	4.66	11.02	4.75	10.74	4.85
	0.0	-2.2	12.20	4.30	11.91	4.39	11.60	4.48	11.33	4.57	11.04	4.66
	5.0	2.8	12.20	3.71	11.91	3.78	11.60	3.86	11.33	3.94	11.04	4.01
	8.3	6.1	12.20	3.02	11.91	3.08	11.60	3.14	11.33	3.21	11.04	3.27
	10.0	8.3	12.20	3.01	11.91	3.07	11.60	3.14	11.33	3.20	11.04	3.26
	15.0	10.0	12.20	2.99	11.91	3.05	11.60	3.11	11.33	3.17	11.04	3.24
	20.0	15.0	12.20	2.86	11.91	2.92	11.60	2.98	11.33	3.04	11.04	3.10
	23.9	18.3	12.20	2.77	11.91	2.83	11.60	2.88	11.33	2.94	11.04	3.00
33	-26.1	-27.0	6.24	3.14	6.09	3.20	5.90	3.27	5.80	3.34	5.65	3.40
	-20.6	-21.7	7.08	3.31	6.91	3.38	6.70	3.45	6.58	3.52	6.41	3.59
	-15.0	-16.1	10.26	4.62	10.02	4.71	9.70	4.81	9.53	4.91	9.29	5.00
	-10.0	-11.1	10.89	4.56	10.63	4.66	10.30	4.75	10.12	4.85	9.86	4.94
	-5.0	-7.2	11.52	4.33	11.24	4.42	10.90	4.51	10.70	4.60	10.42	4.69
	0.0	-2.2	11.84	4.16	11.56	4.24	11.20	4.33	11.00	4.42	10.71	4.50
	5.0	2.8	11.84	3.58	11.56	3.66	11.20	3.73	11.00	3.80	10.71	3.88
	8.3	6.1	11.84	2.92	11.56	2.98	11.20	3.04	11.00	3.10	10.71	3.16
	10.0	8.3	11.84	2.91	11.56	2.97	11.20	3.03	11.00	3.10	10.71	3.16
	15.0	10.0	11.84	2.89	11.56	2.95	11.20	3.01	11.00	3.07	10.71	3.13
	20.0	15.0	11.84	2.77	11.56	2.83	11.20	2.89	11.00	2.95	10.71	3.00
	23.9	18.3	11.84	2.68	11.56	2.74	11.20	2.79	11.00	2.85	10.71	2.90

OUTDOOR UNIT
UOMH36FXZHJ

Indoor unit connecting capacity	Outdoor temperature		Indoor temperature									
			15.6 °CDB		18.3 °CDB		21.1 °CDB		23.9 °CDB		25.6 °CDB	
kBtu/h	°CDB	°CWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
32	-26.1	-27.0	6.05	3.03	5.91	3.09	5.70	3.16	5.62	3.22	5.48	3.28
	-20.6	-21.7	6.87	3.20	6.70	3.27	6.50	3.33	6.38	3.40	6.21	3.47
	-15.0	-16.1	9.95	4.46	9.71	4.55	9.40	4.64	9.24	4.74	9.00	4.83
	-10.0	-11.1	10.56	4.40	10.31	4.49	10.00	4.58	9.81	4.67	9.56	4.77
	-5.0	-7.2	11.17	4.18	10.90	4.27	10.60	4.36	10.37	4.45	10.10	4.53
	0.0	-2.2	11.48	4.02	11.21	4.10	10.90	4.18	10.66	4.27	10.39	4.35
	5.0	2.8	11.48	3.46	11.21	3.53	10.90	3.60	10.66	3.68	10.39	3.75
	8.3	6.1	11.48	2.82	11.21	2.88	10.90	2.94	10.66	3.00	10.39	3.06
	10.0	8.3	11.48	2.82	11.21	2.88	10.90	2.93	10.66	2.99	10.39	3.05
	15.0	10.0	11.48	2.80	11.21	2.85	10.90	2.91	10.66	2.97	10.39	3.03
	20.0	15.0	11.48	2.68	11.21	2.74	10.90	2.79	10.66	2.85	10.39	2.90
	23.9	18.3	11.48	2.59	11.21	2.64	10.90	2.70	10.66	2.75	10.39	2.81
31	-26.1	-27.0	5.86	2.93	5.72	2.99	5.50	3.05	5.44	3.11	5.30	3.17
	-20.6	-21.7	6.65	3.09	6.49	3.16	6.30	3.22	6.18	3.28	6.02	3.35
	-15.0	-16.1	9.64	4.31	9.41	4.40	9.10	4.49	8.95	4.58	8.72	4.67
	-10.0	-11.1	10.23	4.25	9.99	4.34	9.70	4.43	9.50	4.52	9.26	4.61
	-5.0	-7.2	10.82	4.04	10.56	4.13	10.30	4.21	10.05	4.29	9.79	4.38
	0.0	-2.2	11.12	3.88	10.86	3.96	10.50	4.04	10.33	4.12	10.06	4.20
	5.0	2.8	11.12	3.34	10.86	3.41	10.50	3.48	10.33	3.55	10.06	3.62
	8.3	6.1	11.12	2.73	10.86	2.78	10.50	2.84	10.33	2.90	10.06	2.95
	10.0	8.3	11.12	2.72	10.86	2.78	10.50	2.83	10.33	2.89	10.06	2.95
	15.0	10.0	11.12	2.70	10.86	2.76	10.50	2.81	10.33	2.87	10.06	2.92
	20.0	15.0	11.12	2.59	10.86	2.64	10.50	2.70	10.33	2.75	10.06	2.80
	23.9	18.3	11.12	2.50	10.86	2.55	10.50	2.61	10.33	2.66	10.06	2.71
30	-26.1	-27.0	5.67	2.83	5.54	2.89	5.40	2.95	5.27	3.01	5.13	3.07
	-20.6	-21.7	6.44	2.99	6.28	3.05	6.10	3.11	5.98	3.17	5.82	3.23
	-15.0	-16.1	9.33	4.16	9.11	4.24	8.80	4.33	8.66	4.42	8.44	4.50
	-10.0	-11.1	9.90	4.10	9.67	4.18	9.40	4.27	9.20	4.36	8.96	4.44
	-5.0	-7.2	10.47	3.90	10.22	3.98	9.90	4.06	9.72	4.14	9.47	4.22
	0.0	-2.2	10.77	3.74	10.51	3.82	10.20	3.90	10.00	3.98	9.74	4.06
	5.0	2.8	10.77	3.23	10.51	3.29	10.20	3.36	10.00	3.43	9.74	3.49
	8.3	6.1	10.77	2.63	10.51	2.68	10.20	2.74	10.00	2.79	9.74	2.85
	10.0	8.3	10.77	2.62	10.51	2.68	10.20	2.73	10.00	2.79	9.74	2.84
	15.0	10.0	10.77	2.60	10.51	2.66	10.20	2.71	10.00	2.77	9.74	2.82
	20.0	15.0	10.77	2.50	10.51	2.55	10.20	2.60	10.00	2.65	9.74	2.70
	23.9	18.3	10.77	2.41	10.51	2.46	10.20	2.51	10.00	2.56	9.74	2.61
29	-26.1	-27.0	5.48	2.72	5.35	2.78	5.20	2.83	5.09	2.89	4.96	2.95
	-20.6	-21.7	6.22	2.87	6.07	2.93	5.90	2.99	5.78	3.05	5.63	3.11
	-15.0	-16.1	9.02	4.00	8.80	4.08	8.50	4.16	8.37	4.25	8.16	4.33
	-10.0	-11.1	9.57	3.95	9.34	4.03	9.10	4.11	8.89	4.19	8.66	4.27
	-5.0	-7.2	10.12	3.75	9.88	3.83	9.60	3.91	9.40	3.99	9.16	4.06
	0.0	-2.2	10.41	3.60	10.16	3.68	9.90	3.75	9.66	3.83	9.42	3.90
	5.0	2.8	10.41	3.10	10.16	3.17	9.90	3.23	9.66	3.30	9.42	3.36
	8.3	6.1	10.41	2.53	10.16	2.58	9.90	2.64	9.66	2.69	9.42	2.74
	10.0	8.3	10.41	2.53	10.16	2.58	9.90	2.63	9.66	2.68	9.42	2.74
	15.0	10.0	10.41	2.51	10.16	2.56	9.90	2.61	9.66	2.66	9.42	2.72
	20.0	15.0	10.41	2.40	10.16	2.45	9.90	2.50	9.66	2.55	9.42	2.60
	23.9	18.3	10.41	2.32	10.16	2.37	9.90	2.42	9.66	2.47	9.42	2.52
28	-26.1	-27.0	5.30	2.62	5.17	2.68	5.00	2.73	4.92	2.78	4.79	2.84
	-20.6	-21.7	6.01	2.76	5.86	2.82	5.70	2.88	5.58	2.94	5.44	3.00
	-15.0	-16.1	8.71	3.85	8.50	3.93	8.20	4.01	8.09	4.09	7.88	4.17
	-10.0	-11.1	9.24	3.80	9.02	3.88	8.80	3.96	8.58	4.04	8.36	4.12
	-5.0	-7.2	9.77	3.61	9.54	3.68	9.30	3.76	9.07	3.84	8.84	3.91
	0.0	-2.2	10.05	3.47	9.81	3.54	9.50	3.61	9.33	3.68	9.09	3.75
	5.0	2.8	10.05	2.99	9.81	3.05	9.50	3.11	9.33	3.17	9.09	3.23
	8.3	6.1	10.05	2.43	9.81	2.49	9.50	2.54	9.33	2.59	9.09	2.64
	10.0	8.3	10.05	2.43	9.81	2.48	9.50	2.53	9.33	2.58	9.09	2.63
	15.0	10.0	10.05	2.41	9.81	2.46	9.50	2.51	9.33	2.56	9.09	2.61
	20.0	15.0	10.05	2.31	9.81	2.36	9.50	2.41	9.33	2.46	9.09	2.50
	23.9	18.3	10.05	2.23	9.81	2.28	9.50	2.33	9.33	2.37	9.09	2.42
27	-26.1	-27.0	5.11	2.51	4.98	2.56	4.80	2.61	4.74	2.67	4.62	2.72
	-20.6	-21.7	5.79	2.65	5.66	2.70	5.50	2.76	5.38	2.81	5.24	2.87
	-15.0	-16.1	8.40	3.69	8.20	3.77	8.00	3.84	7.80	3.92	7.60	4.00
	-10.0	-11.1	8.91	3.64	8.70	3.72	8.40	3.79	8.28	3.87	8.06	3.95
	-5.0	-7.2	9.42	3.46	9.20	3.54	8.90	3.61	8.75	3.68	8.53	3.75
	0.0	-2.2	9.69	3.32	9.46	3.39	9.20	3.46	9.00	3.53	8.77	3.60
	5.0	2.8	9.69	2.86	9.46	2.92	9.20	2.98	9.00	3.04	8.77	3.10
	8.3	6.1	9.69	2.34	9.46	2.39	9.20	2.44	9.00	2.48	8.77	2.53
	10.0	8.3	9.69	2.33	9.46	2.38	9.20	2.43	9.00	2.48	8.77	2.53
	15.0	10.0	9.69	2.31	9.46	2.36	9.20	2.41	9.00	2.46	8.77	2.51
	20.0	15.0	9.69	2.22	9.46	2.27	9.20	2.31	9.00	2.36	8.77	2.40
	23.9	18.3	9.69	2.14	9.46	2.19	9.20	2.23	9.00	2.28	8.77	2.32

NOTE: Specifications are based on the following conditions.

- Power source of specifications: 230 V
- 2 or more indoor units should be connected.
- 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 up to 39,000 Btu from 27,000 Btu.
- Input in the table are calculated based on the maximum indoor unit input combinations.

OUTDOOR UNIT
UOMH36FXZHJ

■ Compact cassette type

● Heating capacity in kBtu/h

- TC: Total Capacity (kBtu/h).
- 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]

MODEL: RICH07AVFJ

Outdoor temperature		Indoor temperature (°FDB)				
		60.0	65.0	70.0	75.0	78.0
(°FDB)	(°FWB)	TC	TC	TC	TC	TC
-15.0	-17.0	4.54	4.43	4.32	4.22	4.11
-5.0	-7.0	5.15	5.03	4.90	4.78	4.66
5.0	3.0	7.46	7.28	7.11	6.93	6.75
14.0	12.0	7.92	7.73	7.54	7.35	7.17
23.0	19.0	8.37	8.17	7.98	7.78	7.58
32.0	28.0	8.61	8.41	8.20	8.00	7.79
41.0	37.0	8.61	8.41	8.20	8.00	7.79
47.0	43.0	8.61	8.41	8.20	8.00	7.79
50.0	47.0	8.61	8.41	8.20	8.00	7.79
59.0	50.0	8.61	8.41	8.20	8.00	7.79
68.0	59.0	8.61	8.41	8.20	8.00	7.79
75.0	65.0	8.61	8.41	8.20	8.00	7.79

MODEL: RICH09AVFJ

Outdoor temperature		Indoor temperature (°FDB)				
		60.0	65.0	70.0	75.0	78.0
(°FDB)	(°FWB)	TC	TC	TC	TC	TC
-15.0	-17.0	5.81	5.67	5.54	5.40	5.26
-5.0	-7.0	6.59	6.44	6.28	6.12	5.97
5.0	3.0	9.56	9.33	9.10	8.87	8.65
14.0	12.0	10.14	9.90	9.66	9.42	9.18
23.0	19.0	10.72	10.47	10.21	9.96	9.70
32.0	28.0	11.03	10.76	10.50	10.24	9.98
41.0	37.0	11.03	10.76	10.50	10.24	9.98
47.0	43.0	11.03	10.76	10.50	10.24	9.98
50.0	47.0	11.03	10.76	10.50	10.24	9.98
59.0	50.0	11.03	10.76	10.50	10.24	9.98
68.0	59.0	11.03	10.76	10.50	10.24	9.98
75.0	65.0	11.03	10.76	10.50	10.24	9.98

MODEL: RICH12AVFJ

Outdoor temperature		Indoor temperature (°FDB)				
		60.0	65.0	70.0	75.0	78.0
(°FDB)	(°FWB)	TC	TC	TC	TC	TC
-15.0	-17.0	7.75	7.57	7.38	7.20	7.01
-5.0	-7.0	8.79	8.58	8.37	8.16	7.96
5.0	3.0	12.74	12.44	12.13	11.83	11.53
14.0	12.0	13.52	13.20	12.88	12.56	12.23
23.0	19.0	14.30	13.96	13.62	13.28	12.94
32.0	28.0	14.70	14.35	14.00	13.65	13.30
41.0	37.0	14.70	14.35	14.00	13.65	13.30
47.0	43.0	14.70	14.35	14.00	13.65	13.30
50.0	47.0	14.70	14.35	14.00	13.65	13.30
59.0	50.0	14.70	14.35	14.00	13.65	13.30
68.0	59.0	14.70	14.35	14.00	13.65	13.30
75.0	65.0	14.70	14.35	14.00	13.65	13.30

MODEL: RICH18AVFJ

Outdoor temperature		Indoor temperature (°FDB)				
		60.0	65.0	70.0	75.0	78.0
(°FDB)	(°FWB)	TC	TC	TC	TC	TC
-15.0	-17.0	11.63	11.35	11.07	10.80	10.52
-5.0	-7.0	13.19	12.88	12.56	12.25	11.93
5.0	3.0	19.11	18.66	18.20	17.75	17.29
14.0	12.0	20.28	19.80	19.32	18.83	18.35
23.0	19.0	21.45	20.94	20.42	19.91	19.40
32.0	28.0	22.05	21.53	21.00	20.48	19.95
41.0	37.0	22.05	21.53	21.00	20.48	19.95
47.0	43.0	22.05	21.53	21.00	20.48	19.95
50.0	47.0	22.05	21.53	21.00	20.48	19.95
59.0	50.0	22.05	21.53	21.00	20.48	19.95
68.0	59.0	22.05	21.53	21.00	20.48	19.95
75.0	65.0	22.05	21.53	21.00	20.48	19.95

OUTDOOR UNIT
UOMH36FXZHJ

● Heating capacity in kW

- TC: Total Capacity (kW).
- 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]

MODEL: RICH07AVFJ

Outdoor temperature		Indoor temperature (°CDB)				
		15.6	18.3	21.1	23.9	25.6
(°CDB)	(°CWB)	TC	TC	TC	TC	TC
-26.1	-27.0	1.33	1.30	1.27	1.24	1.20
-20.6	-21.7	1.51	1.47	1.44	1.40	1.37
-15.0	-16.1	2.19	2.13	2.08	2.03	1.98
-10.0	-11.1	2.32	2.27	2.21	2.16	2.10
-5.0	-7.2	2.45	2.40	2.34	2.28	2.22
0.0	-2.2	2.52	2.46	2.40	2.34	2.28
5.0	2.8	2.52	2.46	2.40	2.34	2.28
8.3	6.1	2.52	2.46	2.40	2.34	2.28
10.0	8.3	2.52	2.46	2.40	2.34	2.28
15.0	10.0	2.52	2.46	2.40	2.34	2.28
20.0	15.0	2.52	2.46	2.40	2.34	2.28
23.9	18.3	2.52	2.46	2.40	2.34	2.28

MODEL: RICH09AVFJ

Outdoor temperature		Indoor temperature (°CDB)				
		15.6	18.3	21.1	23.9	25.6
(°CDB)	(°CWB)	TC	TC	TC	TC	TC
-26.1	-27.0	1.70	1.66	1.62	1.58	1.54
-20.6	-21.7	1.93	1.89	1.84	1.79	1.75
-15.0	-16.1	2.80	2.73	2.67	2.60	2.53
-10.0	-11.1	2.97	2.90	2.83	2.76	2.69
-5.0	-7.2	3.14	3.07	2.99	2.92	2.84
0.0	-2.2	3.23	3.15	3.08	3.00	2.92
5.0	2.8	3.23	3.15	3.08	3.00	2.92
8.3	6.1	3.23	3.15	3.08	3.00	2.92
10.0	8.3	3.23	3.15	3.08	3.00	2.92
15.0	10.0	3.23	3.15	3.08	3.00	2.92
20.0	15.0	3.23	3.15	3.08	3.00	2.92
23.9	18.3	3.23	3.15	3.08	3.00	2.92

MODEL: RICH12AVFJ

Outdoor temperature		Indoor temperature (°CDB)				
		15.6	18.3	21.1	23.9	25.6
(°CDB)	(°CWB)	TC	TC	TC	TC	TC
-26.1	-27.0	2.27	2.22	2.16	2.11	2.06
-20.6	-21.7	2.58	2.52	2.45	2.39	2.33
-15.0	-16.1	3.73	3.64	3.56	3.47	3.38
-10.0	-11.1	3.96	3.87	3.77	3.68	3.59
-5.0	-7.2	4.19	4.09	3.99	3.89	3.79
0.0	-2.2	4.31	4.21	4.10	4.00	3.90
5.0	2.8	4.31	4.21	4.10	4.00	3.90
8.3	6.1	4.31	4.21	4.10	4.00	3.90
10.0	8.3	4.31	4.21	4.10	4.00	3.90
15.0	10.0	4.31	4.21	4.10	4.00	3.90
20.0	15.0	4.31	4.21	4.10	4.00	3.90
23.9	18.3	4.31	4.21	4.10	4.00	3.90

MODEL: RICH18AVFJ

Outdoor temperature		Indoor temperature (°CDB)				
		15.6	18.3	21.1	23.9	25.6
(°CDB)	(°CWB)	TC	TC	TC	TC	TC
-26.1	-27.0	3.41	3.33	3.25	3.16	3.08
-20.6	-21.7	3.87	3.77	3.68	3.59	3.50
-15.0	-16.1	5.60	5.47	5.33	5.20	5.07
-10.0	-11.1	5.94	5.80	5.66	5.52	5.38
-5.0	-7.2	6.29	6.14	5.99	5.84	5.69
0.0	-2.2	6.46	6.31	6.15	6.00	5.85
5.0	2.8	6.46	6.31	6.15	6.00	5.85
8.3	6.1	6.46	6.31	6.15	6.00	5.85
10.0	8.3	6.46	6.31	6.15	6.00	5.85
15.0	10.0	6.46	6.31	6.15	6.00	5.85
20.0	15.0	6.46	6.31	6.15	6.00	5.85
23.9	18.3	6.46	6.31	6.15	6.00	5.85

OUTDOOR UNIT
UOMH36FXZHJ

■ Slim duct type

● Heating capacity in kBtu/h

- TC: Total Capacity (kBtu/h).
- 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]

MODEL: RIDH07AVFJ

Outdoor temperature		Indoor temperature (°FDB)				
		60.0	65.0	70.0	75.0	78.0
(°FDB)	(°FWB)	TC	TC	TC	TC	TC
-15.0	-17.0	4.54	4.43	4.32	4.22	4.11
-5.0	-7.0	5.15	5.03	4.90	4.78	4.66
5.0	3.0	7.46	7.28	7.11	6.93	6.75
14.0	12.0	7.92	7.73	7.54	7.35	7.17
23.0	19.0	8.37	8.17	7.98	7.78	7.58
32.0	28.0	8.61	8.41	8.20	8.00	7.79
41.0	37.0	8.61	8.41	8.20	8.00	7.79
47.0	43.0	8.61	8.41	8.20	8.00	7.79
50.0	47.0	8.61	8.41	8.20	8.00	7.79
59.0	50.0	8.61	8.41	8.20	8.00	7.79
68.0	59.0	8.61	8.41	8.20	8.00	7.79
75.0	65.0	8.61	8.41	8.20	8.00	7.79

MODEL: RIDH09AVFJ

Outdoor temperature		Indoor temperature (°FDB)				
		60.0	65.0	70.0	75.0	78.0
(°FDB)	(°FWB)	TC	TC	TC	TC	TC
-15.0	-17.0	5.81	5.67	5.54	5.40	5.26
-5.0	-7.0	6.59	6.44	6.28	6.12	5.97
5.0	3.0	9.56	9.33	9.10	8.87	8.65
14.0	12.0	10.14	9.90	9.66	9.42	9.18
23.0	19.0	10.72	10.47	10.21	9.96	9.70
32.0	28.0	11.03	10.76	10.50	10.24	9.98
41.0	37.0	11.03	10.76	10.50	10.24	9.98
47.0	43.0	11.03	10.76	10.50	10.24	9.98
50.0	47.0	11.03	10.76	10.50	10.24	9.98
59.0	50.0	11.03	10.76	10.50	10.24	9.98
68.0	59.0	11.03	10.76	10.50	10.24	9.98
75.0	65.0	11.03	10.76	10.50	10.24	9.98

MODEL: RIDH12AVFJ

Outdoor temperature		Indoor temperature (°FDB)				
		60.0	65.0	70.0	75.0	78.0
(°FDB)	(°FWB)	TC	TC	TC	TC	TC
-15.0	-17.0	7.75	7.57	7.38	7.20	7.01
-5.0	-7.0	8.79	8.58	8.37	8.16	7.96
5.0	3.0	12.74	12.44	12.13	11.83	11.53
14.0	12.0	13.52	13.20	12.88	12.56	12.23
23.0	19.0	14.30	13.96	13.62	13.28	12.94
32.0	28.0	14.70	14.35	14.00	13.65	13.30
41.0	37.0	14.70	14.35	14.00	13.65	13.30
47.0	43.0	14.70	14.35	14.00	13.65	13.30
50.0	47.0	14.70	14.35	14.00	13.65	13.30
59.0	50.0	14.70	14.35	14.00	13.65	13.30
68.0	59.0	14.70	14.35	14.00	13.65	13.30
75.0	65.0	14.70	14.35	14.00	13.65	13.30

MODEL: RIDH18AVFJ

Outdoor temperature		Indoor temperature (°FDB)				
		60.0	65.0	70.0	75.0	78.0
(°FDB)	(°FWB)	TC	TC	TC	TC	TC
-15.0	-17.0	11.63	11.35	11.07	10.80	10.52
-5.0	-7.0	13.19	12.88	12.56	12.25	11.93
5.0	3.0	19.11	18.66	18.20	17.75	17.29
14.0	12.0	20.28	19.80	19.32	18.83	18.35
23.0	19.0	21.45	20.94	20.42	19.91	19.40
32.0	28.0	22.05	21.53	21.00	20.48	19.95
41.0	37.0	22.05	21.53	21.00	20.48	19.95
47.0	43.0	22.05	21.53	21.00	20.48	19.95
50.0	47.0	22.05	21.53	21.00	20.48	19.95
59.0	50.0	22.05	21.53	21.00	20.48	19.95
68.0	59.0	22.05	21.53	21.00	20.48	19.95
75.0	65.0	22.05	21.53	21.00	20.48	19.95

OUTDOOR UNIT
UOMH36FXZHJ

MODEL: RIDH24AVFJ

Outdoor temperature		Indoor temperature (°FDB)				
		60.0	65.0	70.0	75.0	78.0
(°FDB)	(°FWB)	TC	TC	TC	TC	TC
-15.0	-17.0	14.67	14.32	13.97	13.62	13.27
-5.0	-7.0	16.64	16.25	15.85	15.45	15.06
5.0	3.0	24.12	23.54	22.97	22.39	21.82
14.0	12.0	25.60	24.99	24.38	23.77	23.16
23.0	19.0	27.06	26.42	25.77	25.13	24.49
32.0	28.0	27.83	27.16	26.50	25.84	25.18
41.0	37.0	27.83	27.16	26.50	25.84	25.18
47.0	43.0	27.83	27.16	26.50	25.84	25.18
50.0	47.0	27.83	27.16	26.50	25.84	25.18
59.0	50.0	27.83	27.16	26.50	25.84	25.18
68.0	59.0	27.83	27.16	26.50	25.84	25.18
75.0	65.0	27.83	27.16	26.50	25.84	25.18

OUTDOOR UNIT
UOMH36FXZHJ

● Heating capacity in kW

- TC: Total Capacity (kW).
- 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]

MODEL: RIDH07AVFJ

Outdoor temperature		Indoor temperature (°CDB)				
		15.6	18.3	21.1	23.9	25.6
(°CDB)	(°CWB)	TC	TC	TC	TC	TC
-26.1	-27.0	1.33	1.30	1.27	1.24	1.20
-20.6	-21.7	1.51	1.47	1.44	1.40	1.37
-15.0	-16.1	2.19	2.13	2.08	2.03	1.98
-10.0	-11.1	2.32	2.27	2.21	2.16	2.10
-5.0	-7.2	2.45	2.40	2.34	2.28	2.22
0.0	-2.2	2.52	2.46	2.40	2.34	2.28
5.0	2.8	2.52	2.46	2.40	2.34	2.28
8.3	6.1	2.52	2.46	2.40	2.34	2.28
10.0	8.3	2.52	2.46	2.40	2.34	2.28
15.0	10.0	2.52	2.46	2.40	2.34	2.28
20.0	15.0	2.52	2.46	2.40	2.34	2.28
23.9	18.3	2.52	2.46	2.40	2.34	2.28

MODEL: RIDH09AVFJ

Outdoor temperature		Indoor temperature (°CDB)				
		15.6	18.3	21.1	23.9	25.6
(°CDB)	(°CWB)	TC	TC	TC	TC	TC
-26.1	-27.0	1.70	1.66	1.62	1.58	1.54
-20.6	-21.7	1.93	1.89	1.84	1.79	1.75
-15.0	-16.1	2.80	2.73	2.67	2.60	2.53
-10.0	-11.1	2.97	2.90	2.83	2.76	2.69
-5.0	-7.2	3.14	3.07	2.99	2.92	2.84
0.0	-2.2	3.23	3.15	3.08	3.00	2.92
5.0	2.8	3.23	3.15	3.08	3.00	2.92
8.3	6.1	3.23	3.15	3.08	3.00	2.92
10.0	8.3	3.23	3.15	3.08	3.00	2.92
15.0	10.0	3.23	3.15	3.08	3.00	2.92
20.0	15.0	3.23	3.15	3.08	3.00	2.92
23.9	18.3	3.23	3.15	3.08	3.00	2.92

MODEL: RIDH12AVFJ

Outdoor temperature		Indoor temperature (°CDB)				
		15.6	18.3	21.1	23.9	25.6
(°CDB)	(°CWB)	TC	TC	TC	TC	TC
-26.1	-27.0	2.27	2.22	2.16	2.11	2.06
-20.6	-21.7	2.58	2.52	2.45	2.39	2.33
-15.0	-16.1	3.73	3.64	3.56	3.47	3.38
-10.0	-11.1	3.96	3.87	3.77	3.68	3.59
-5.0	-7.2	4.19	4.09	3.99	3.89	3.79
0.0	-2.2	4.31	4.21	4.10	4.00	3.90
5.0	2.8	4.31	4.21	4.10	4.00	3.90
8.3	6.1	4.31	4.21	4.10	4.00	3.90
10.0	8.3	4.31	4.21	4.10	4.00	3.90
15.0	10.0	4.31	4.21	4.10	4.00	3.90
20.0	15.0	4.31	4.21	4.10	4.00	3.90
23.9	18.3	4.31	4.21	4.10	4.00	3.90

OUTDOOR UNIT
UOMH36FXZHJ

MODEL: RIDH18AVFJ

Outdoor temperature		Indoor temperature (°CDB)				
		15.6	18.3	21.1	23.9	25.6
(°CDB)	(°CWB)	TC	TC	TC	TC	TC
-26.1	-27.0	3.41	3.33	3.25	3.16	3.08
-20.6	-21.7	3.87	3.77	3.68	3.59	3.50
-15.0	-16.1	5.60	5.47	5.33	5.20	5.07
-10.0	-11.1	5.94	5.80	5.66	5.52	5.38
-5.0	-7.2	6.29	6.14	5.99	5.84	5.69
0.0	-2.2	6.46	6.31	6.15	6.00	5.85
5.0	2.8	6.46	6.31	6.15	6.00	5.85
8.3	6.1	6.46	6.31	6.15	6.00	5.85
10.0	8.3	6.46	6.31	6.15	6.00	5.85
15.0	10.0	6.46	6.31	6.15	6.00	5.85
20.0	15.0	6.46	6.31	6.15	6.00	5.85
23.9	18.3	6.46	6.31	6.15	6.00	5.85

MODEL: RIDH24AVFJ

Outdoor temperature		Indoor temperature (°CDB)				
		15.6	18.3	21.1	23.9	25.6
(°CDB)	(°CWB)	TC	TC	TC	TC	TC
-26.1	-27.0	4.30	4.20	4.10	3.99	3.89
-20.6	-21.7	4.88	4.76	4.65	4.53	4.41
-15.0	-16.1	7.07	6.90	6.73	6.56	6.39
-10.0	-11.1	7.50	7.32	7.14	6.97	6.79
-5.0	-7.2	7.93	7.74	7.55	7.37	7.18
0.0	-2.2	8.16	7.96	7.77	7.57	7.38
5.0	2.8	8.16	7.96	7.77	7.57	7.38
8.3	6.1	8.16	7.96	7.77	7.57	7.38
10.0	8.3	8.16	7.96	7.77	7.57	7.38
15.0	10.0	8.16	7.96	7.77	7.57	7.38
20.0	15.0	8.16	7.96	7.77	7.57	7.38
23.9	18.3	8.16	7.96	7.77	7.57	7.38

OUTDOOR UNIT
UOMH36FXZHJ

■ Wall mounted type

● Heating capacity in kBtu/h

- TC: Total Capacity (kBtu/h).
- 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]

MODEL: UIWH07AVFJ

Outdoor temperature		Indoor temperature (°FDB)				
		60.0	65.0	70.0	75.0	78.0
(°FDB)	(°FWB)	TC	TC	TC	TC	TC
-15.0	-17.0	4.54	4.43	4.32	4.22	4.11
-5.0	-7.0	5.15	5.03	4.90	4.78	4.66
5.0	3.0	7.46	7.28	7.11	6.93	6.75
14.0	12.0	7.92	7.73	7.54	7.35	7.17
23.0	19.0	8.37	8.17	7.98	7.78	7.58
32.0	28.0	8.61	8.41	8.20	8.00	7.79
41.0	37.0	8.61	8.41	8.20	8.00	7.79
47.0	43.0	8.61	8.41	8.20	8.00	7.79
50.0	47.0	8.61	8.41	8.20	8.00	7.79
59.0	50.0	8.61	8.41	8.20	8.00	7.79
68.0	59.0	8.61	8.41	8.20	8.00	7.79
75.0	65.0	8.61	8.41	8.20	8.00	7.79

MODEL: UIWH09AVFJ

Outdoor temperature		Indoor temperature (°FDB)				
		60.0	65.0	70.0	75.0	78.0
(°FDB)	(°FWB)	TC	TC	TC	TC	TC
-15.0	-17.0	5.81	5.67	5.54	5.40	5.26
-5.0	-7.0	6.59	6.44	6.28	6.12	5.97
5.0	3.0	9.56	9.33	9.10	8.87	8.65
14.0	12.0	10.14	9.90	9.66	9.42	9.18
23.0	19.0	10.72	10.47	10.21	9.96	9.70
32.0	28.0	11.03	10.76	10.50	10.24	9.98
41.0	37.0	11.03	10.76	10.50	10.24	9.98
47.0	43.0	11.03	10.76	10.50	10.24	9.98
50.0	47.0	11.03	10.76	10.50	10.24	9.98
59.0	50.0	11.03	10.76	10.50	10.24	9.98
68.0	59.0	11.03	10.76	10.50	10.24	9.98
75.0	65.0	11.03	10.76	10.50	10.24	9.98

MODEL: UIWH12AVFJ

Outdoor temperature		Indoor temperature (°FDB)				
		60.0	65.0	70.0	75.0	78.0
(°FDB)	(°FWB)	TC	TC	TC	TC	TC
-15.0	-17.0	7.75	7.57	7.38	7.20	7.01
-5.0	-7.0	8.79	8.58	8.37	8.16	7.96
5.0	3.0	12.74	12.44	12.13	11.83	11.53
14.0	12.0	13.52	13.20	12.88	12.56	12.23
23.0	19.0	14.30	13.96	13.62	13.28	12.94
32.0	28.0	14.70	14.35	14.00	13.65	13.30
41.0	37.0	14.70	14.35	14.00	13.65	13.30
47.0	43.0	14.70	14.35	14.00	13.65	13.30
50.0	47.0	14.70	14.35	14.00	13.65	13.30
59.0	50.0	14.70	14.35	14.00	13.65	13.30
68.0	59.0	14.70	14.35	14.00	13.65	13.30
75.0	65.0	14.70	14.35	14.00	13.65	13.30

MODEL: UIWH15AVFJ

Outdoor temperature		Indoor temperature (°FDB)				
		60.0	65.0	70.0	75.0	78.0
(°FDB)	(°FWB)	TC	TC	TC	TC	TC
-15.0	-17.0	9.69	9.46	9.23	9.00	8.77
-5.0	-7.0	10.99	10.73	10.47	10.21	9.94
5.0	3.0	15.93	15.55	15.17	14.79	14.41
14.0	12.0	16.90	16.50	16.10	15.70	15.29
23.0	19.0	17.87	17.45	17.02	16.60	16.17
32.0	28.0	18.38	17.94	17.50	17.06	16.63
41.0	37.0	18.38	17.94	17.50	17.06	16.63
47.0	43.0	18.38	17.94	17.50	17.06	16.63
50.0	47.0	18.38	17.94	17.50	17.06	16.63
59.0	50.0	18.38	17.94	17.50	17.06	16.63
68.0	59.0	18.38	17.94	17.50	17.06	16.63
75.0	65.0	18.38	17.94	17.50	17.06	16.63

OUTDOOR UNIT
UOMH36FXZHJ

MODEL: UIWH18AVFJ

Outdoor temperature		Indoor temperature (°FDB)				
		60.0	65.0	70.0	75.0	78.0
(°FDB)	(°FWB)	TC	TC	TC	TC	TC
-15.0	-17.0	11.63	11.35	11.07	10.80	10.52
-5.0	-7.0	13.19	12.88	12.56	12.25	11.93
5.0	3.0	19.11	18.66	18.20	17.75	17.29
14.0	12.0	20.28	19.80	19.32	18.83	18.35
23.0	19.0	21.45	20.94	20.42	19.91	19.40
32.0	28.0	22.05	21.53	21.00	20.48	19.95
41.0	37.0	22.05	21.53	21.00	20.48	19.95
47.0	43.0	22.05	21.53	21.00	20.48	19.95
50.0	47.0	22.05	21.53	21.00	20.48	19.95
59.0	50.0	22.05	21.53	21.00	20.48	19.95
68.0	59.0	22.05	21.53	21.00	20.48	19.95
75.0	65.0	22.05	21.53	21.00	20.48	19.95

MODEL: UIWH24AVFJ

Outdoor temperature		Indoor temperature (°FDB)				
		60.0	65.0	70.0	75.0	78.0
(°FDB)	(°FWB)	TC	TC	TC	TC	TC
-15.0	-17.0	14.67	14.32	13.97	13.62	13.27
-5.0	-7.0	16.64	16.25	15.85	15.45	15.06
5.0	3.0	24.12	23.54	22.97	22.39	21.82
14.0	12.0	25.60	24.99	24.38	23.77	23.16
23.0	19.0	27.06	26.42	25.77	25.13	24.49
32.0	28.0	27.83	27.16	26.50	25.84	25.18
41.0	37.0	27.83	27.16	26.50	25.84	25.18
47.0	43.0	27.83	27.16	26.50	25.84	25.18
50.0	47.0	27.83	27.16	26.50	25.84	25.18
59.0	50.0	27.83	27.16	26.50	25.84	25.18
68.0	59.0	27.83	27.16	26.50	25.84	25.18
75.0	65.0	27.83	27.16	26.50	25.84	25.18

OUTDOOR UNIT
UOMH36FXZHJ

● Heating capacity in kW

- TC: Total Capacity (kW).
- 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]

MODEL: UIWH07AVFJ

Outdoor temperature		Indoor temperature (°CDB)				
		15.6	18.3	21.1	23.9	25.6
(°CDB)	(°CWB)	TC	TC	TC	TC	TC
-26.1	-27.0	1.33	1.30	1.27	1.24	1.20
-20.6	-21.7	1.51	1.47	1.44	1.40	1.37
-15.0	-16.1	2.19	2.13	2.08	2.03	1.98
-10.0	-11.1	2.32	2.27	2.21	2.16	2.10
-5.0	-7.2	2.45	2.40	2.34	2.28	2.22
0.0	-2.2	2.52	2.46	2.40	2.34	2.28
5.0	2.8	2.52	2.46	2.40	2.34	2.28
8.3	6.1	2.52	2.46	2.40	2.34	2.28
10.0	8.3	2.52	2.46	2.40	2.34	2.28
15.0	10.0	2.52	2.46	2.40	2.34	2.28
20.0	15.0	2.52	2.46	2.40	2.34	2.28
23.9	18.3	2.52	2.46	2.40	2.34	2.28

MODEL: UIWH09AVFJ

Outdoor temperature		Indoor temperature (°CDB)				
		15.6	18.3	21.1	23.9	25.6
(°CDB)	(°CWB)	TC	TC	TC	TC	TC
-26.1	-27.0	1.70	1.66	1.62	1.58	1.54
-20.6	-21.7	1.93	1.89	1.84	1.79	1.75
-15.0	-16.1	2.80	2.73	2.67	2.60	2.53
-10.0	-11.1	2.97	2.90	2.83	2.76	2.69
-5.0	-7.2	3.14	3.07	2.99	2.92	2.84
0.0	-2.2	3.23	3.15	3.08	3.00	2.92
5.0	2.8	3.23	3.15	3.08	3.00	2.92
8.3	6.1	3.23	3.15	3.08	3.00	2.92
10.0	8.3	3.23	3.15	3.08	3.00	2.92
15.0	10.0	3.23	3.15	3.08	3.00	2.92
20.0	15.0	3.23	3.15	3.08	3.00	2.92
23.9	18.3	3.23	3.15	3.08	3.00	2.92

OUTDOOR UNIT
UOMH36FXZHJ

MODEL: UIWH12AVFJ

Outdoor temperature		Indoor temperature (°CDB)				
		15.6	18.3	21.1	23.9	25.6
(°CDB)	(°CWB)	TC	TC	TC	TC	TC
-26.1	-27.0	2.27	2.22	2.16	2.11	2.06
-20.6	-21.7	2.58	2.52	2.45	2.39	2.33
-15.0	-16.1	3.73	3.64	3.56	3.47	3.38
-10.0	-11.1	3.96	3.87	3.77	3.68	3.59
-5.0	-7.2	4.19	4.09	3.99	3.89	3.79
0.0	-2.2	4.31	4.21	4.10	4.00	3.90
5.0	2.8	4.31	4.21	4.10	4.00	3.90
8.3	6.1	4.31	4.21	4.10	4.00	3.90
10.0	8.3	4.31	4.21	4.10	4.00	3.90
15.0	10.0	4.31	4.21	4.10	4.00	3.90
20.0	15.0	4.31	4.21	4.10	4.00	3.90
23.9	18.3	4.31	4.21	4.10	4.00	3.90

MODEL: UIWH15AVFJ

Outdoor temperature		Indoor temperature (°CDB)				
		15.6	18.3	21.1	23.9	25.6
(°CDB)	(°CWB)	TC	TC	TC	TC	TC
-26.1	-27.0	2.84	2.77	2.70	2.64	2.57
-20.6	-21.7	3.22	3.14	3.07	2.99	2.91
-15.0	-16.1	4.67	4.56	4.45	4.33	4.22
-10.0	-11.1	4.95	4.84	4.72	4.60	4.48
-5.0	-7.2	5.24	5.11	4.99	4.86	4.74
0.0	-2.2	5.39	5.26	5.13	5.00	4.87
5.0	2.8	5.39	5.26	5.13	5.00	4.87
8.3	6.1	5.39	5.26	5.13	5.00	4.87
10.0	8.3	5.39	5.26	5.13	5.00	4.87
15.0	10.0	5.39	5.26	5.13	5.00	4.87
20.0	15.0	5.39	5.26	5.13	5.00	4.87
23.9	18.3	5.39	5.26	5.13	5.00	4.87

OUTDOOR UNIT
UOMH36FXZHJ

MODEL: UIWH18AVFJ

Outdoor temperature		Indoor temperature (°CDB)				
		15.6	18.3	21.1	23.9	25.6
(°CDB)	(°CWB)	TC	TC	TC	TC	TC
-26.1	-27.0	3.41	3.33	3.25	3.16	3.08
-20.6	-21.7	3.87	3.77	3.68	3.59	3.50
-15.0	-16.1	5.60	5.47	5.33	5.20	5.07
-10.0	-11.1	5.94	5.80	5.66	5.52	5.38
-5.0	-7.2	6.29	6.14	5.99	5.84	5.69
0.0	-2.2	6.46	6.31	6.15	6.00	5.85
5.0	2.8	6.46	6.31	6.15	6.00	5.85
8.3	6.1	6.46	6.31	6.15	6.00	5.85
10.0	8.3	6.46	6.31	6.15	6.00	5.85
15.0	10.0	6.46	6.31	6.15	6.00	5.85
20.0	15.0	6.46	6.31	6.15	6.00	5.85
23.9	18.3	6.46	6.31	6.15	6.00	5.85

MODEL: UIWH24AVFJ

Outdoor temperature		Indoor temperature (°CDB)				
		15.6	18.3	21.1	23.9	25.6
(°CDB)	(°CWB)	TC	TC	TC	TC	TC
-26.1	-27.0	4.30	4.20	4.10	3.99	3.89
-20.6	-21.7	4.88	4.76	4.65	4.53	4.41
-15.0	-16.1	7.07	6.90	6.73	6.56	6.39
-10.0	-11.1	7.50	7.32	7.14	6.97	6.79
-5.0	-7.2	7.93	7.74	7.55	7.37	7.18
0.0	-2.2	8.16	7.96	7.77	7.57	7.38
5.0	2.8	8.16	7.96	7.77	7.57	7.38
8.3	6.1	8.16	7.96	7.77	7.57	7.38
10.0	8.3	8.16	7.96	7.77	7.57	7.38
15.0	10.0	8.16	7.96	7.77	7.57	7.38
20.0	15.0	8.16	7.96	7.77	7.57	7.38
23.9	18.3	8.16	7.96	7.77	7.57	7.38

■ Floor type

● Heating capacity in kBtu/h

- TC: Total Capacity (kBtu/h).
- 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]

MODEL: RIFH09AVFJ

Outdoor temperature		Indoor temperature (°FDB)				
		60.0	65.0	70.0	75.0	78.0
(°FDB)	(°FWB)	TC	TC	TC	TC	TC
-15.0	-17.0	5.81	5.67	5.54	5.40	5.26
-5.0	-7.0	6.59	6.44	6.28	6.12	5.97
5.0	3.0	9.56	9.33	9.10	8.87	8.65
14.0	12.0	10.14	9.90	9.66	9.42	9.18
23.0	19.0	10.72	10.47	10.21	9.96	9.70
32.0	28.0	11.03	10.76	10.50	10.24	9.98
41.0	37.0	11.03	10.76	10.50	10.24	9.98
47.0	43.0	11.03	10.76	10.50	10.24	9.98
50.0	47.0	11.03	10.76	10.50	10.24	9.98
59.0	50.0	11.03	10.76	10.50	10.24	9.98
68.0	59.0	11.03	10.76	10.50	10.24	9.98
75.0	65.0	11.03	10.76	10.50	10.24	9.98

MODEL: RIFH12AVFJ

Outdoor temperature		Indoor temperature (°FDB)				
		60.0	65.0	70.0	75.0	78.0
(°FDB)	(°FWB)	TC	TC	TC	TC	TC
-15.0	-17.0	7.75	7.57	7.38	7.20	7.01
-5.0	-7.0	8.79	8.58	8.37	8.16	7.96
5.0	3.0	12.74	12.44	12.13	11.83	11.53
14.0	12.0	13.52	13.20	12.88	12.56	12.23
23.0	19.0	14.30	13.96	13.62	13.28	12.94
32.0	28.0	14.70	14.35	14.00	13.65	13.30
41.0	37.0	14.70	14.35	14.00	13.65	13.30
47.0	43.0	14.70	14.35	14.00	13.65	13.30
50.0	47.0	14.70	14.35	14.00	13.65	13.30
59.0	50.0	14.70	14.35	14.00	13.65	13.30
68.0	59.0	14.70	14.35	14.00	13.65	13.30
75.0	65.0	14.70	14.35	14.00	13.65	13.30

MODEL: RIFH15AVFJ

Outdoor temperature		Indoor temperature (°FDB)				
		60.0	65.0	70.0	75.0	78.0
(°FDB)	(°FWB)	TC	TC	TC	TC	TC
-15.0	-17.0	9.69	9.46	9.23	9.00	8.77
-5.0	-7.0	10.99	10.73	10.47	10.21	9.94
5.0	3.0	15.93	15.55	15.17	14.79	14.41
14.0	12.0	16.90	16.50	16.10	15.70	15.29
23.0	19.0	17.87	17.45	17.02	16.60	16.17
32.0	28.0	18.38	17.94	17.50	17.06	16.63
41.0	37.0	18.38	17.94	17.50	17.06	16.63
47.0	43.0	18.38	17.94	17.50	17.06	16.63
50.0	47.0	18.38	17.94	17.50	17.06	16.63
59.0	50.0	18.38	17.94	17.50	17.06	16.63
68.0	59.0	18.38	17.94	17.50	17.06	16.63
75.0	65.0	18.38	17.94	17.50	17.06	16.63

OUTDOOR UNIT
UOMH36FXZHJ

● Heating capacity in kW

- TC: Total Capacity (kW).
- 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]

MODEL: RIFH09AVFJ

Outdoor temperature		Indoor temperature (°CDB)				
		15.6	18.3	21.1	23.9	25.6
(°CDB)	(°CWB)	TC	TC	TC	TC	TC
-26.1	-27.0	1.70	1.66	1.62	1.58	1.54
-20.6	-21.7	1.93	1.89	1.84	1.79	1.75
-15.0	-16.1	2.80	2.73	2.67	2.60	2.53
-10.0	-11.1	2.97	2.90	2.83	2.76	2.69
-5.0	-7.2	3.14	3.07	2.99	2.92	2.84
0.0	-2.2	3.23	3.15	3.08	3.00	2.92
5.0	2.8	3.23	3.15	3.08	3.00	2.92
8.3	6.1	3.23	3.15	3.08	3.00	2.92
10.0	8.3	3.23	3.15	3.08	3.00	2.92
15.0	10.0	3.23	3.15	3.08	3.00	2.92
20.0	15.0	3.23	3.15	3.08	3.00	2.92
23.9	18.3	3.23	3.15	3.08	3.00	2.92

MODEL: RIFH12AVFJ

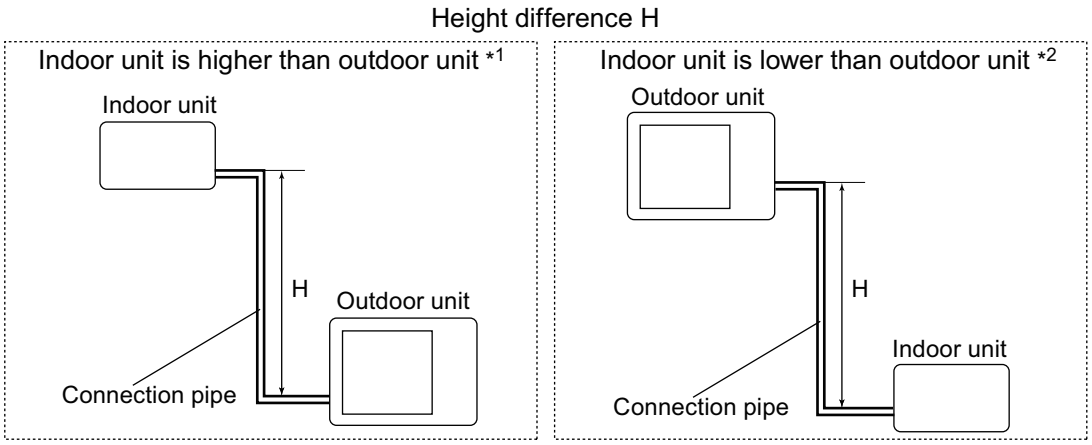
Outdoor temperature		Indoor temperature (°CDB)				
		15.6	18.3	21.1	23.9	25.6
(°CDB)	(°CWB)	TC	TC	TC	TC	TC
-26.1	-27.0	2.27	2.22	2.16	2.11	2.06
-20.6	-21.7	2.58	2.52	2.45	2.39	2.33
-15.0	-16.1	3.73	3.64	3.56	3.47	3.38
-10.0	-11.1	3.96	3.87	3.77	3.68	3.59
-5.0	-7.2	4.19	4.09	3.99	3.89	3.79
0.0	-2.2	4.31	4.21	4.10	4.00	3.90
5.0	2.8	4.31	4.21	4.10	4.00	3.90
8.3	6.1	4.31	4.21	4.10	4.00	3.90
10.0	8.3	4.31	4.21	4.10	4.00	3.90
15.0	10.0	4.31	4.21	4.10	4.00	3.90
20.0	15.0	4.31	4.21	4.10	4.00	3.90
23.9	18.3	4.31	4.21	4.10	4.00	3.90

MODEL: RIFH15AVFJ

Outdoor temperature		Indoor temperature (°CDB)				
		15.6	18.3	21.1	23.9	25.6
(°CDB)	(°CWB)	TC	TC	TC	TC	TC
-26.1	-27.0	2.84	2.77	2.70	2.64	2.57
-20.6	-21.7	3.22	3.14	3.07	2.99	2.91
-15.0	-16.1	4.67	4.56	4.45	4.33	4.22
-10.0	-11.1	4.95	4.84	4.72	4.60	4.48
-5.0	-7.2	5.24	5.11	4.99	4.86	4.74
0.0	-2.2	5.39	5.26	5.13	5.00	4.87
5.0	2.8	5.39	5.26	5.13	5.00	4.87
8.3	6.1	5.39	5.26	5.13	5.00	4.87
10.0	8.3	5.39	5.26	5.13	5.00	4.87
15.0	10.0	5.39	5.26	5.13	5.00	4.87
20.0	15.0	5.39	5.26	5.13	5.00	4.87
23.9	18.3	5.39	5.26	5.13	5.00	4.87

OUTDOOR UNIT
UOMH36FXZHJ

7. Capacity compensation rate for pipe length and height difference



7-1. Model: UOMH36FXZHJ

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	—	—	—	0.955	0.941	0.927
		10	33	—	—	0.976	0.962	0.949	0.935
		7.5	25	—	0.988	0.980	0.966	0.952	0.939
		5	16	0.995	0.992	0.984	0.970	0.956	0.942
		0	0	1.003	1.000	0.992	0.978	0.964	0.950
	Indoor unit is lower than outdoor unit *2	-5	-16	1.003	1.000	0.992	0.978	0.964	0.950
		-7.5	-25	—	1.000	0.992	0.978	0.964	0.950
		-10	-33	—	—	0.992	0.978	0.964	0.950
		-15	-49	—	—	—	0.978	0.964	0.950

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	—	—	—	0.976	0.957	0.938
		10	33	—	—	0.991	0.976	0.957	0.938
		7.5	25	—	1.000	0.991	0.976	0.957	0.938
		5	16	0.990	1.000	0.991	0.976	0.957	0.938
		0	0	0.990	1.000	0.991	0.976	0.957	0.938
	Indoor unit is lower than outdoor unit *2	-5	-16	0.985	0.995	0.986	0.971	0.952	0.933
		-7.5	-25	—	0.993	0.984	0.969	0.950	0.931
		-10	-33	—	—	0.981	0.966	0.947	0.929
		-15	-49	—	—	—	0.961	0.943	0.924

OUTDOOR UNIT
UOMH36FXZHJ

■ 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	0.954	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	0.954	0.934
		-7.5	-25	—	0.993	0.986	0.970	0.952	0.932
		-10	-33	—	—	0.983	0.967	0.949	0.930
		-15	-49	—	—	—	0.962	0.944	0.925

OUTDOOR UNIT
UOMH36FXZHJ

■ 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	—	—	—	0.937	0.912	0.888
		10	33	—	—	0.970	0.944	0.919	0.896
		7.5	25	—	0.988	0.974	0.948	0.923	0.899
		5	16	1.006	0.992	0.978	0.952	0.927	0.903
		0	0	1.014	1.000	0.986	0.960	0.934	0.910
	Indoor unit is lower than outdoor unit *2	-5	-16	1.014	1.000	0.986	0.960	0.934	0.910
		-7.5	-25	—	1.000	0.986	0.960	0.934	0.910
		-10	-33	—	—	0.986	0.960	0.934	0.910
		-15	-49	—	—	—	0.960	0.934	0.910

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	0.938
		10	33	—	—	0.993	0.977	0.958	0.938
		7.5	25	—	1.000	0.993	0.977	0.958	0.938
		5	16	0.995	1.000	0.993	0.977	0.958	0.938
		0	0	0.995	1.000	0.993	0.977	0.958	0.938
	Indoor unit is lower than outdoor unit *2	-5	-16	0.990	0.995	0.988	0.972	0.953	0.933
		-7.5	-25	—	0.993	0.986	0.970	0.952	0.932
		-10	-33	—	—	0.983	0.967	0.949	0.929
		-15	-49	—	—	—	0.962	0.944	0.924

■ 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	—	—	—	0.955	0.937	0.922
		10	33	—	—	0.974	0.962	0.945	0.930
		7.5	25	—	0.988	0.978	0.966	0.948	0.934
		5	16	0.997	0.992	0.982	0.970	0.952	0.937
		0	0	1.005	1.000	0.990	0.978	0.960	0.945
	Indoor unit is lower than outdoor unit *2	-5	-16	1.005	1.000	0.990	0.978	0.960	0.945
		-7.5	-25	—	1.000	0.990	0.978	0.960	0.945
		-10	-33	—	—	0.990	0.978	0.960	0.945
		-15	-49	—	—	—	0.978	0.960	0.945

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	—	—	—	0.972	0.945	0.919
		10	33	—	—	0.992	0.972	0.945	0.919
		7.5	25	—	1.000	0.992	0.972	0.945	0.919
		5	16	1.000	1.000	0.992	0.972	0.945	0.919
		0	0	1.000	1.000	0.992	0.972	0.945	0.919
	Indoor unit is lower than outdoor unit *2	-5	-16	0.995	0.995	0.987	0.967	0.940	0.914
		-7.5	-25	—	0.993	0.985	0.965	0.938	0.912
		-10	-33	—	—	0.982	0.962	0.935	0.910
		-15	-49	—	—	—	0.957	0.930	0.905

OUTDOOR UNIT
UOMH36FXZHJ

■ 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	—	—	—	0.968	0.961	0.954
		10	33	—	—	0.982	0.976	0.969	0.962
		7.5	25	—	0.988	0.986	0.980	0.973	0.966
		5	16	0.994	0.992	0.990	0.984	0.977	0.970
		0	0	1.002	1.000	0.998	0.992	0.985	0.978
	Indoor unit is lower than outdoor unit *2	-5	-16	1.002	1.000	0.998	0.992	0.985	0.978
		-7.5	-25	—	1.000	0.998	0.992	0.985	0.978
		-10	-33	—	—	0.998	0.992	0.985	0.978
		-15	-49	—	—	—	0.992	0.985	0.978

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	0.910
		-10	-33	—	—	0.980	0.958	0.933	0.908
		-15	-49	—	—	—	0.953	0.929	0.903

■ Indoor unit: 24,000 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	—	—	—	0.978	0.969	0.953
		10	33	—	—	0.986	0.986	0.977	0.961
		7.5	25	—	0.988	0.990	0.990	0.981	0.965
		5	16	0.989	0.992	0.994	0.994	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	0.909
		-7.5	-25	—	0.993	0.981	0.957	0.932	0.907
		-10	-33	—	—	0.978	0.954	0.929	0.904
		-15	-49	—	—	—	0.949	0.925	0.899

OUTDOOR UNIT
UOMH36FXZHJ

8. Additional charge calculation

8-1. Model: UOMH36FXZHJ

Refrigerant type		R410A
Refrigerant amount	lb oz	8 lb 13 oz
	g	4,000

■ Refrigerant charge

Total pipe length	ft (m)	164 (50) or less	197 (60)	230 (70) (Max.)	0.22 oz/ft
Additional charge	lb oz (g)	0	7.1 oz (200)	14.1 oz (400)	(20 g/m)

OUTDOOR UNIT
UOMH36FXZHJ

9. Airflow

9-1. Model: UOMH36FXZHJ

● Cooling

m^3/h	4,200
l/s	1,167
CFM	2,472

● Heating

m^3/h	4,200
l/s	1,167
CFM	2,472

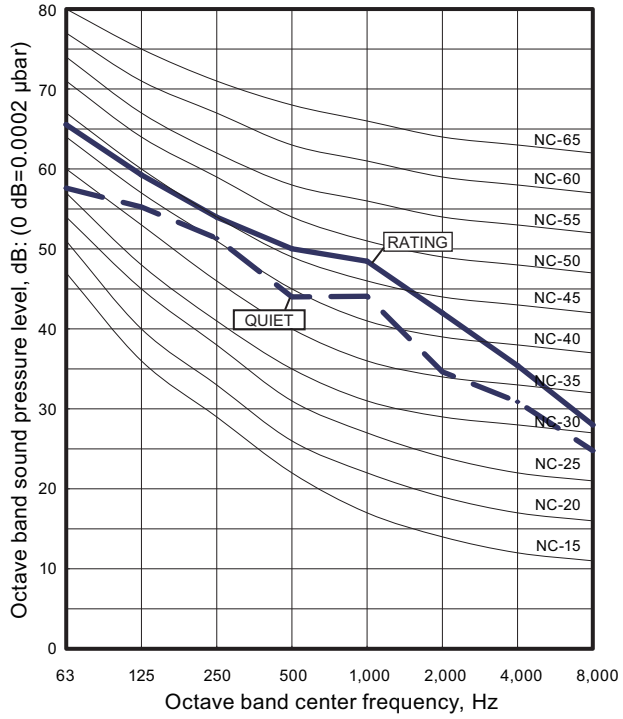
OUTDOOR UNIT
UOMH36FXZHJ

10. Operation noise (sound pressure)

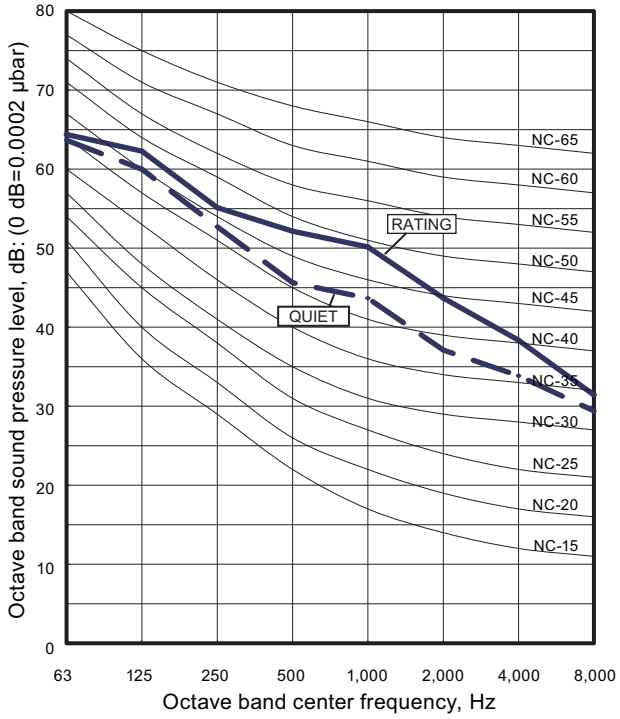
10-1. Noise level curve

■ Model: UOMH36FXZHJ

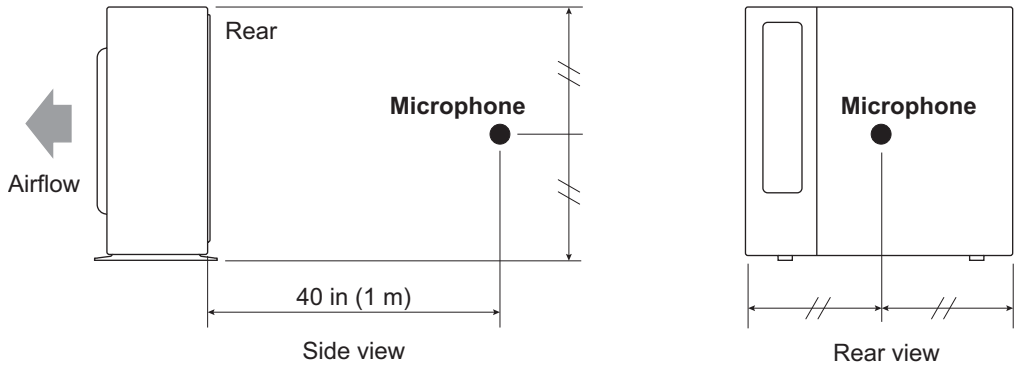
● Cooling



● Heating



10-2. Sound level check point



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

OUTDOOR UNIT
UOMH36FXZHJ

11. Electrical characteristics

Item		Unit	Model name
			UOMH36FXZHJ
Power supply	Voltage	V	208/230 ~
	Frequency	Hz	60
MCA		A	31.5
Starting current		A	12.9
Wiring spec. *	CKT. BKR	A	40
	Power cable	AWG	8
	Connection cable	AWG	14

*: 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.

MCA: Minimum Circuit Ampacity (Calculation based on UL1995)

CKT. BKR: Circuit Breaker

OUTDOOR UNIT
UOMH36FXZHJ

12. Safety devices

Type of protection	Protection form		Model
			UOMH36FXZHJ
Circuit protection	Current fuse (PCB)		250 V, 10 A 250 V, 5 A 400 V, 5 A 250 V, 3.15 A
	Protector (PCB)		500 V, 45 A
Fan motor protection	Thermal protection program	Activate	239±27 °F (115±15 °C) Fan motor stop
		Reset	158 °F (70 °C) Fan motor restart
Compressor protection	Thermal protection program (Compressor temp.)	Activate	226 °F (108 °C) Compressor stop
		Reset	176 °F (80 °C) Compressor restart
	Thermal protection program (Discharge temp.)	Activate	230 °F (110 °C) Compressor stop
		Reset	After 3 minutes and 230 °F (110 °C) less than Compressor restart
	Thermal protection program (Outdoor temp.)*	Activate	-15 °C Compressor stop
		Reset	—

*: Only for cooling or dry operation.

OUTDOOR UNIT
UOMH36FXZHJ

13. Function settings

13-1. Setting methods

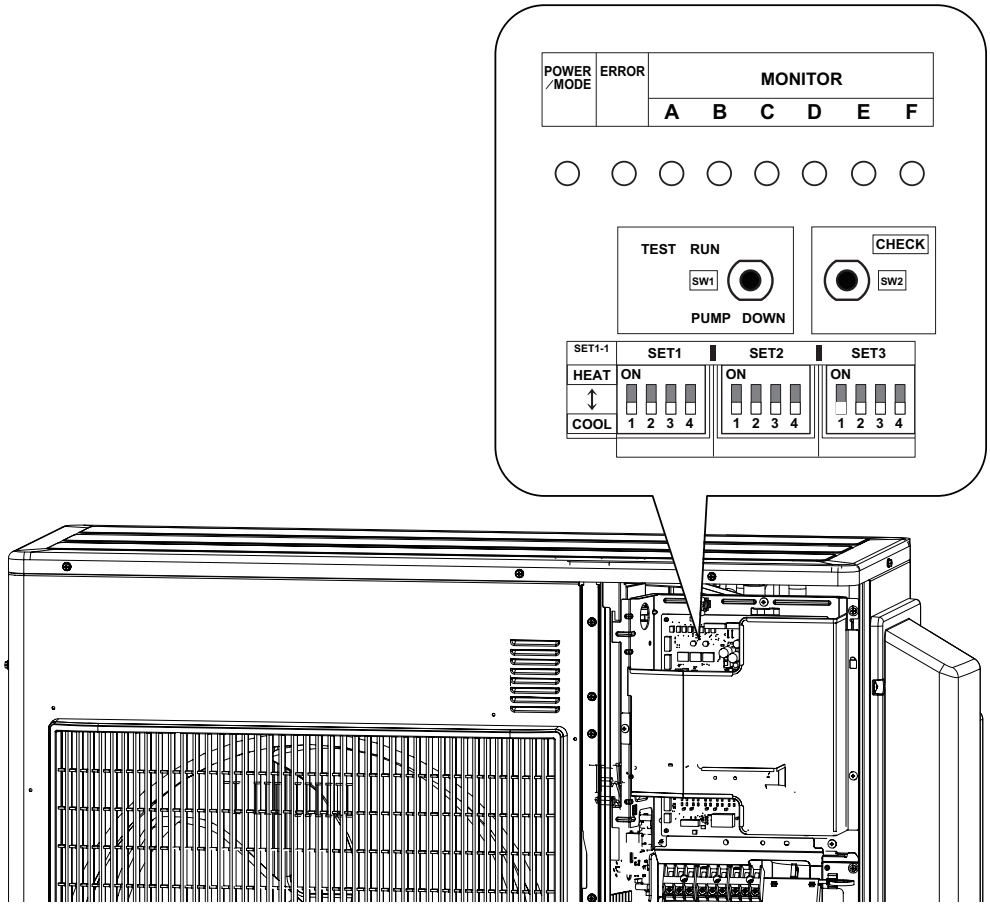
⚠ WARNING

Never touch electrical components such as the terminal blocks or reactor except the switch on the display board. It may cause a serious accident such as electric shock.

⚠ CAUTION

- Once refrigerant charging is completed, be sure to open the valve prior to performing the local settings. Otherwise, the compressor may fail.
- Discharge any static electricity from your body before touching the push switches. Never touch any terminal or pattern of any parts on the control board.

The positions of the switches on the outdoor unit control board are shown in the figure below.

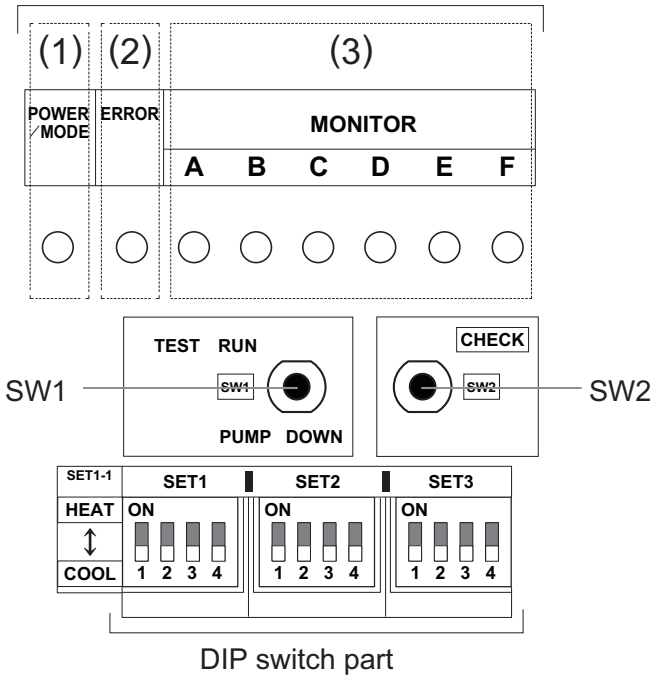


OUTDOOR UNIT
UOMH36FXZHJ

■ Setting method

1. Be sure to disconnect the power supply or turn off the breaker.
2. Change the DIP switch setting according to the required setting.
   - Various settings can be adjusted by changing DIP switches and push switches on the board of the outdoor unit.
   - The printed characters for the LED display are shown below.

LED display part



DIP switch part

OUTDOOR UNIT
UOMH36FXZHJ

■ Description of display

LED display lamp				Function or operation method
(1)	POWER/MODE		Green	• Turns on when the power supply is ON (Including when error occurs). • Indicate the MODE by the number of flashes when the installation function is active.
(2)	ERROR		Red	Flashes at high-speed when there is an error.
(3)	MONITOR	A	Red	• Displays the location and contents of errors when there is an error. (Refer to Chapter 14-3. "Error code" on page 285 for details.) • Displays when check run is activated. (Refer to Chapter 14-1. "Check run" on page 278 for details.)
		B	Red	
		C	Red	
		D	Red	
		E	Red	
		F	Red	

Switch		Function or operation method	Factory setting
SW1	Push	• For the test run start and stop. • For the pump down start and stop.	—
SW2	Push	• For when check run function is activated. • For displaying the check run. • For resetting the Automatic wiring correction memory.	—
SET1-1	DIP	For selecting cooling or heating during test operation.	OFF
SET1-2	DIP	For switching SW1 operation.	OFF
SET1-3	DIP	For switching the base heater. (For extra cold climate area model only)	ON
SET1-4	DIP	(Prohibited)	OFF (Do not change)
SET2-1	DIP	• For selecting outdoor unit low noise operation function. • To use this function, the Central remote controller (option) is necessary.	OFF
SET2-2	DIP	(Prohibited)	OFF (Do not change)
SET2-3	DIP	(Prohibited)	OFF (Do not change)
SET2-4	DIP	(Prohibited)	OFF (Do not change)
SET3-1	DIP	(Prohibited)	OFF (Do not change)
SET3-2	DIP	(Prohibited)	OFF (Do not change)
SET3-3	DIP	(Prohibited)	OFF (Do not change)
SET3-4	DIP	(Prohibited)	OFF (Do not change)

Be sure to disconnect the power supply or turn off the breaker before changing the DIP switch setting.

OUTDOOR UNIT
UOMH36FXZHJ

13-2. Base heater forced off function

The power to the base heater can be cut off by changing the DIP switch setting.

SET1-3	Setting
ON	Heater on
OFF	Forced off setting

13-3. Outdoor unit low noise operation function (option)

Change the outdoor unit low noise operation by using this setting. Optional Central remote controller is necessary to use this function.

SET2-1	Setting	Factory setting
ON	Lower	
OFF	Low	♦

⚠ CAUTION

- When the low noise operation function is working, cooling and heating capacity will decrease.
- When changing the settings, explain to the customer beforehand that the capacity decreases.

OUTDOOR UNIT
UOMH36FXZHJ

14. Check and test

14-1. Check run

- The check run is a function to screen and detect any wiring errors.
- After carrying out the check run, you can use the automatic wiring correction function to correct the wiring.
- Normal operation is possible without using the check run. In this case, use the test run or forced cooling function of the indoor unit to confirm any wiring errors.

■ Things to confirm before starting the check run

To ensure safety, check that the following work, inspections and operations have been completed.

	Check item	Check column
1	Check that all work on the piping connecting the outdoor unit, indoor units has been completed.	
2	Check that all work on the wiring connecting the outdoor unit, indoor units has been completed.	
3	Is there a gas leakage? (At pipe connections [flange connections and brazed areas])	
4	Is the system charged with the specified volume of refrigerant?	
5	Is a breaker installed at the power supply cable of outdoor unit?	
6	Are the wires connected to the terminals without looseness, and in accordance with the specifications?	
7	Is the 3-way valve of the outdoor unit open? (Gas pipe and liquid pipe)	
8	Is the power supply connected for more than 12 hours?	

■ Restrictions applicable when performing the check run

- When the check run starts, all indoor units connected to the outdoor unit will start to run automatically. During the check run, you cannot check the operation of the indoor units separately. After the check run, check the operation of the indoor units separately in normal operation.
- The check run can be used when the temperature is within the operable temperature of the air conditioner.
- In the check run, the air conditioner will automatically switch between cooling and heating depending on the external temperature and internal temperature.
- The check run can be completed in about 30 minutes (cooling) or about 1 hour (heating), but may take more depending on the external and internal temperature conditions etc.
- Do not conduct the check run with all the windows in the room closed.
  Otherwise the room temperature could get too low or too high.
- Depending on the difference of the room temperature of each room, a judgment may be impossible.
- Check run is a special operation so there may be a noise louder than the normal refrigerant noise or a creaking noise.

OUTDOOR UNIT
UOMH36FXZHJ

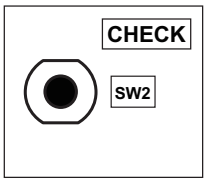
■ Operating procedure for check run

⚠ CAUTION

Initiate check run after more than 12 hours after the power supply is connected.

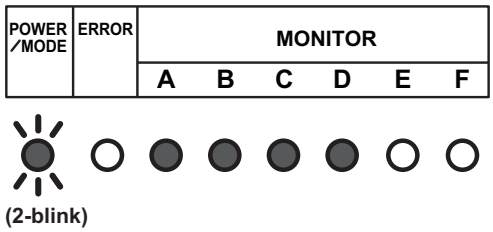
NOTE: Be sure that the indoor unit and outdoor unit are not operating before starting the check run.

1. Press the "CHECK" switch for 3 seconds or more.



2. The number of indoor units (and the places) connected through the communication lines is displayed.
   - If the displayed number of units (places) and the installed number of units (places) is the same, proceed to step 3.
   - If the displayed number of units (places) and the installed number of units (places) is not the same, shut off the power and check whether the indoor and outdoor communication lines are properly connected.
   - If there is no operation for 1 minute, the LED will return to the original display. (POWER/MODE LED: ON)

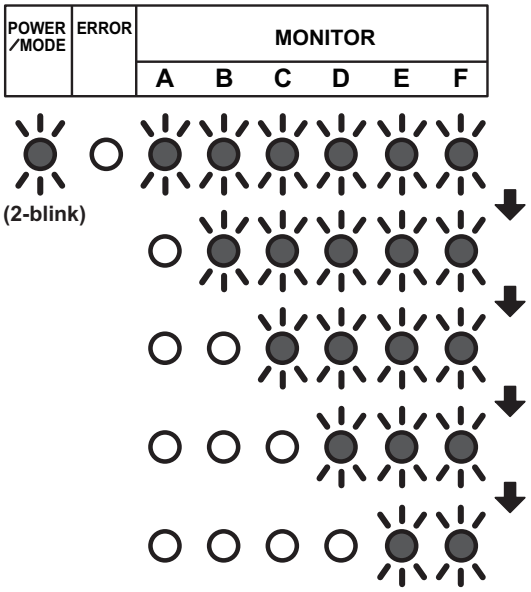
   Example: When 4 indoor units (A to D) are connected



3. Press the "CHECK" switch for 3 seconds or more again. Check run is initiated.
   - When check run is initiated, all LEDs from A to F will flash. (Preliminary operation)
   - The LED for each indoor unit will switch off in order as check for each unit is completed.

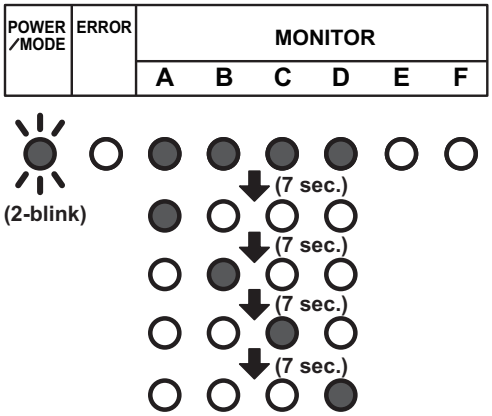
   NOTE: To interrupt the check run, press the "CHECK" switch.

   Example: When 4 indoor units (A to D) are connected

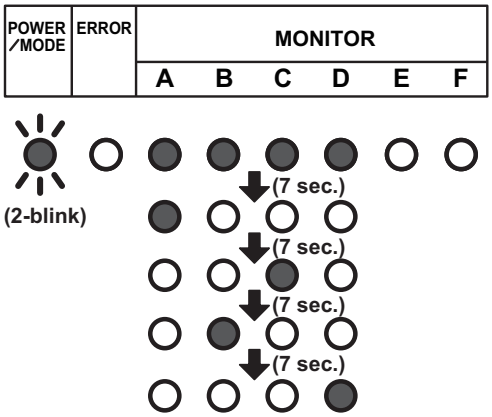


OUTDOOR UNIT
UOMH36FXZHJ

4. After the check run is completed, results will be displayed. Fill the displayed results in the result table accordingly.
   - **If the connection is correct (Example: When 4 indoor units are connected)**
     After the number of connected units are displayed, the LED for each unit will light up in order from A to D.



   - **If the connection is incorrect (Example: When connection of B and C of the 4 units are reversed)**
     After the number of connected units are displayed, B and C will light up in reverse.



NOTES:
- Automatic wiring correction will not be completed if the power supply is disconnected while displaying the results. To confirm the automatic wiring correction, be sure to carry out step 5.
- If frost is formed on the outdoor unit while displaying the results, automatic defrost function will be operated. Proceed to step 5 after the defrost function is finished.

OUTDOOR UNIT
UOMH36FXZHJ

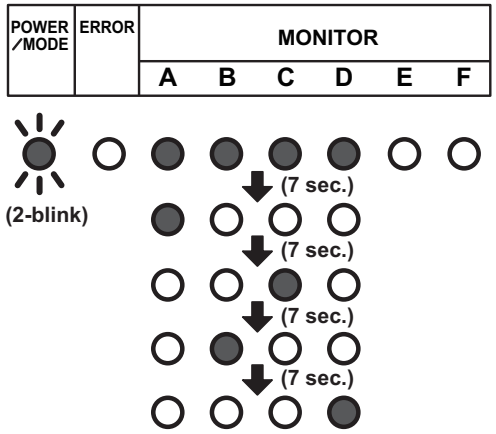
[How to record the contents]

- Fill the displayed results according to the following example.

Example: When piping A to D is connected but the wires for B and C are connected in reverse.

<Displayed results>

The LEDs will light up in 7 second intervals in the following order.



OUTDOOR UNIT UOMH36FXZHJ

<Example of result table>

a. Please write a ● where the LEDs light up in the order that they light up.

	A	B	C	D	E	F
1	●	●	●	●	○	○
2	●	○	○	○	○	○
3	○	○	●	○	○	○
4	○	●	○	○	○	○
5	○	○	○	●	○	○
6	○	○	○	○	○	○
7	○	○	○	○	○	○

b. Based on the results of step (a), please record as follows.

- Trace the dotted circle with a pen if multiple places light up.

A	B	C	D	E	F
○	○	○	○	◌	◌

- Write the order from A to D in which the LEDs lit up inside the circle.

A	B	C	D	E	F
Ⓐ	Ⓒ	Ⓑ	Ⓓ	◌	◌

c. Select the correction method.

→ Correct the wiring manually.*2
Proceed to step 6.

Use the Automatic wiring correction function.*1
Proceed to step 5.

Write down the same results in the label on the reverse side of the service panel.
The results recorded are needed at the time of servicing.

NOTES:

- *1: By using this function, the wiring is automatically corrected according to the piping.
- *2: When correcting the wiring manually, please disconnect the power supply or turn off the breaker during results display, and then change the wiring manually according to the obtained test results.

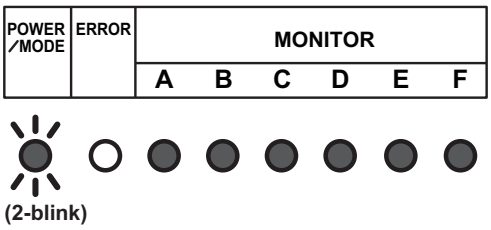
  For example, in Example 1, the wirings connected to the terminals B and C is to be exchanged manually.

<Result Table>

	A	B	C	D	E	F
1	○	○	○	○	○	○
2	○	○	○	○	○	○
3	○	○	○	○	○	○
4	○	○	○	○	○	○
5	○	○	○	○	○	○
6	○	○	○	○	○	○
7	○	○	○	○	○	○

A	B	C	D	E	F
◌	◌	◌	◌	◌	◌

5. During results display, press the "CHECK" switch for 3 seconds or more.
   After LEDs A to F have lit in turn, all LEDs will light up indicating that the automatic wiring correction is completed.



6. Disconnect the power supply or turn off the breaker and wait 10 minutes then turn the power back on and perform test run.

   NOTE: If you do not disconnect the power supply or turn off the breaker, normal operation is not possible.

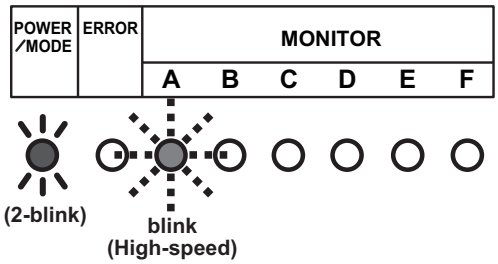
Notices:

- If an error occurs during check run it will be suspended. Correct the error and start check run again.
- After the check run, if automatic wiring correction is carried out, the indoor unit's position will be modified to match the piping. (Note that the display of the optional remote controller changes.)
- If you start check run again after the automatic wiring correction is finished, the modification will be reset.

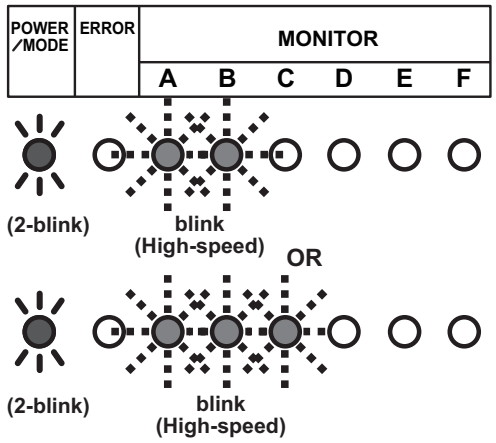
■ Check run judgment failure display

If check run cannot be performed, the following is displayed. In this case, the check run will stop. Please check by using the cooling test run of the indoor unit.

● Temperature out of range judgment



● Wiring/piping number difference



■ Re-display check run results

- If you wish to check the automatic wiring correction contents, by briefly pressing the "CHECK" switch, the check run results is displayed. Check the check run results by referring to the result table in step (4) of "Chapter 14-1-3. "Operating procedure for check run" on page 279".
- If the automatic wiring correction contents has not been done, the POWER/MODE LED will blink twice and the MONITOR LED will turn off.

■ Automatic wiring correction memory reset

⚠ CAUTION

When relocating the unit, reset the memory beforehand, or the unit may not function normally.

1. Press the "CHECK" switch.
   The LED will light as shown in “"Re-display check run results" on page 283”.
2. Press the "CHECK" switch for more than 3 seconds when the LED is on.
3. The LEDs from A to F will light in sequence, and then all LEDs will light to indicate the completion of the Automatic wiring correction memory reset.
4. Disconnect the power supply or turn off the breaker.

14-2. Test run

⚠ CAUTION

Always connect the power supply 12 hours prior to the start of the operation in order to protect the compressor.

1. Indoor unit
   a. Is the drain normal?
   b. Is there any abnormal noise and vibration during operation?

2. Outdoor unit
   a. Is there any abnormal noise and vibration during operation?
   b. Will noise, wind, or drain water from the unit disturb the neighbors?
   c. Is there any gas leakage?

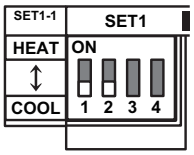
- Do not operate the air conditioner in the test running state for a long time.
- For the operation method of the test run for indoor unit and central remote controller, refer to the operating manual and perform operation check.

OUTDOOR UNIT
UOMH36FXZHJ

■ Test run method

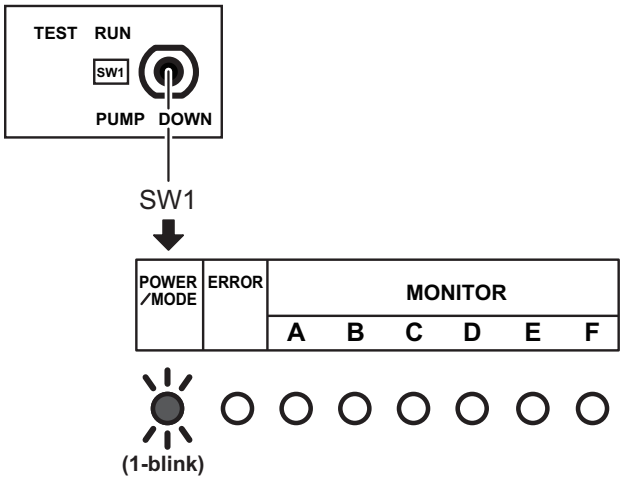
Be sure to temporarily disconnect the power supply or turn off the breaker before changing the DIP switch settings.

1. Check the 3-way valves (both at the liquid side and gas side) are opened. Confirm that the DIP switch SET1-2 is switched off.
2. Set the operation mode to “COOL” or “HEAT”. When switching the DIP switch SET1-1 between HEAT and COOL, disconnect the power supply or turn off the circuit breaker beforehand.



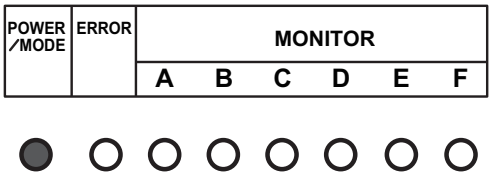
- In the first test run, be sure to set the operation mode to “COOL”.
- The operation mode cannot be switched between “COOL” and “HEAT” during the test run. To switch the operation mode between “COOL” and “HEAT”, stop the test run, switch the operation mode, and then start the test run again.

3. Press "TEST RUN" switch for more than 3 seconds.
   The POWER / MODE LED flashes once.



4. Confirm operating status.

5. Press "TEST RUN" switch for more than 3 seconds.



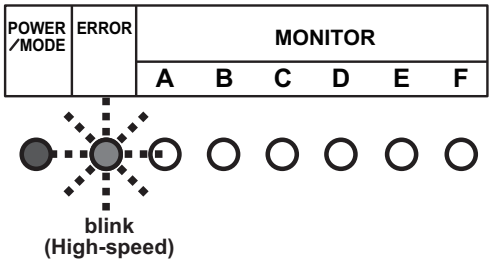
POWER/MODE LED will turn on, and test run stops.

14-3. Error code

If an error occurs, the LED will light up to display the error location and the error code.

■ In the event of an error

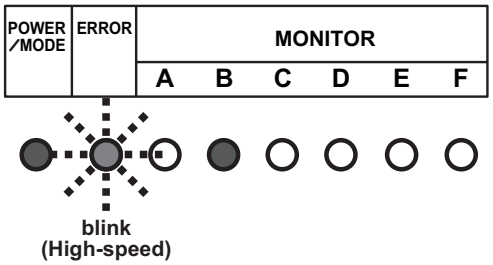
The error LED blink quickly.



■ Error location display

LEDs A to F of MONITOR light up and display the error location. In the case of an overall error, LEDs A to F of MONITOR do not light up.

Example: Coil error in indoor unit B

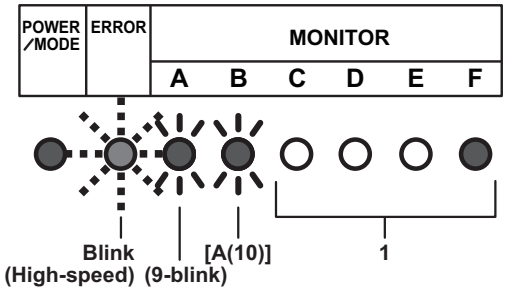


OUTDOOR UNIT
UOMH36FXZHJ

■ Error code display

While the error is occurring, briefly press SW1. The error code is displayed.

Example: Coil error (Error cord = 9A.1)



Display mode

LED on:

LED off:

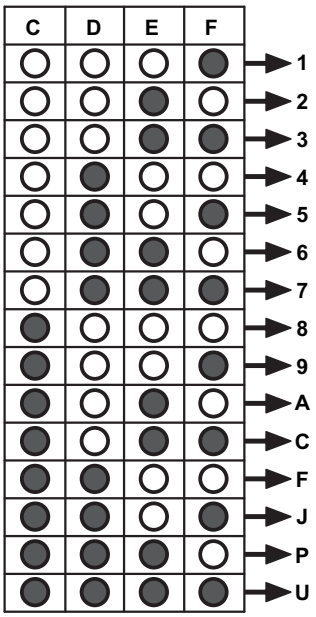
Blink:

(0.5s Light on / 0.5s Light off)

Number of blinking: ( )

For MONITOR (A and B)

- **A: 10-Blink**
- **C: 11-Blink**
- **F: 12-Blink**
- **J: 13-Blink**
- **P: 14-Blink**
- **U: 15-Blink**



OUTDOOR UNIT UOMH36FXZHJ

Error code	Error type
11.3	Serial communication error
11.4	Serial communication error during operation
16.5	Communication error between controller and outdoor unit
22.1	Indoor unit capacity error
5U.1	Indoor unit error
62.1	PCB model information error
62.3	EEPROM access error
62.8	EEPROM data corruption error
63.1	Inverter error
65.3	IPM error (Trip terminal L error)
71.1	Discharge temp. sensor error
72.1	Compressor temp. sensor error
73.2	Heat exchanger middle temp. sensor error
73.3	Heat exchanger liquid temp. sensor error
74.1	Outdoor temp. sensor error
75.1	Suction gas temp. sensor error
76.1	Valve sensor error
76.2	
77.1	Heat sink temp. sensor error
84.1	Current sensor 1 error (stoppage permanently)
86.1	Discharge pressure sensor error
94.1	Trip detection
95.1	Compressor motor control error (stoppage permanently)
97.3	Fan motor 1 error (Duty error)
98.3	Fan motor 2 error (Duty error)
99.1	4-way valve error
9A.1	Coil 1 (expansion valve 1) error
A1.1	Discharge temperature 1 error (stoppage permanently)
A3.1	Compressor 1 temperature error

OUTDOOR UNIT
UOMH36FXZHJ

14-4. Pump down

⚠ WARNING

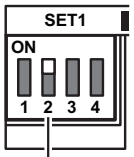
During the pump down operation, make sure that compressor is off before you remove the refrigerant piping. Do not remove the connection pipe while the compressor is in operation with valve open. This may cause abnormal pressure in the refrigeration cycle that leads to breakage and even injury.

■ Pump down operation

When moving or discarding the air conditioner, in order to consider the environment and avoid the discharge of refrigerant to the atmosphere, pump down according to the following procedure.

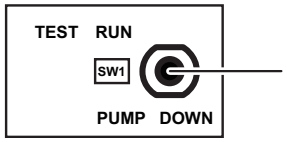
1. Connect the pressure gauge to the charging port.

2. Change the DIP switch on the board (SET1-2) to On*1
   *Be sure the power supply is disconnected on the breaker is turned off when changing the DIP switch.



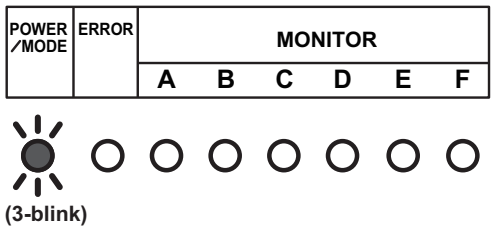
*1: DIP switch (SET1-2)

3. To start operation, press the [PUMP DOWN] switch*2 for 3 seconds or press after the power has been on for 3 min.



*2: Push switch (SW1)

During pump down, the LED (POWER/MODE) will flash 3 times consecutively.

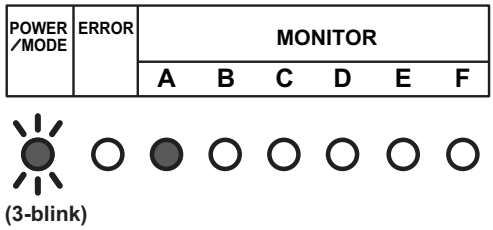


NOTE: If the [PUMP DOWN] switch is pressed during compressor operation, the compressor will stop, and the operation will start after about 3 min.

4. Close the liquid pipe valve.

5. When the value between 7.3 psi and 0 psi (0.05 Mpa to 0 Mpa) is shown, close the gas pipe valve.

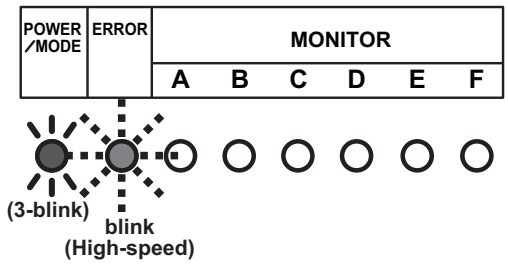
6. Stop pump down by pressing the [PUMP DOWN] switch for 3 seconds.
   The LED will light as follows.



OUTDOOR UNIT UOMH36FXZHJ

7. Disconnect the power supply or turn off the breaker.

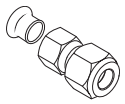
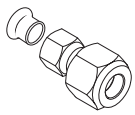
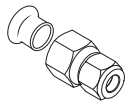
NOTE: If the pump down is not stopped by pressing the switch as in step 6, it will stop automatically after 15 minutes and the LED will light as follows. If the pump down is complete, disconnect the power supply or turn off the breaker. If not completed open the liquid pipe valve, and then start again from step 3.



- In order to interrupt the pump down operation, press the [PUMP DOWN] switch again. The LED will return to the original display before starting pump down.
  (POWER/MODE LED: On)
- The pump down may stop before completion due to error. To complete the pump down, correct the error, open the liquid pipe valve and then start from step 1 again.
  Otherwise, the refrigerant can be recovered from the service port.

OUTDOOR UNIT
UOMH36FXZHJ

15. Accessories

Part name	Exterior	Q'ty	Part name	Exterior	Q'ty
Installation manual		1	Adapter K 1/2 in (12.70 mm) 3/8 in (9.52 mm)		1 set
Cable tie with clip (Large)		2	Adapter L 1/2 in (12.70 mm) 5/8 in (15.88 mm)		1 set
Cable tie with clip (Small)		2	Adapter H 3/8 in (9.52 mm) 1/2 in (12.70 mm)		1 set
Cable tie		1			

OUTDOOR UNIT
UOMH36FXZHJ

16. Outdoor unit installation precautions

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

16-1. 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 not affected by heat radiation from other heat sources.
- Places where the air is not stagnant.
- Places where machinery which generates high frequencies is used.
- Ocean beaches and other areas where there is a lot of salt.
- Inside of vehicles, ships, and other conveyances.
- Places where voltage fluctuations are product.

OUTDOOR UNIT
UOMH36FXZHJ

16-2. Points to remember when installing

- The product shall be installed at a place which can withstand the weight and vibration of the outdoor unit.
- To allow maintenance after refrigerant piping, drain piping, and electric wiring connection and installation, provide an installation service space.
  *Installation service space is shown in "Installation space" on page 220.
- Be careful when installing the set at the following places.

Condition	Contents	Countermeasures (Reference)
When installed near adjacent houses.	Perform installation work so that operating sound does not disturb the neighbors.	1. Install a soundproof barrier. 2. Change the installation site.
When there is the possibility of strong wind.	• If the outdoor unit is exposed to strong wind, capacity may drop, frost may form during heating, and operation may be stopped by high pressure rise. In addition, when a very strong wind blows, the fan may be damaged. • When a very strong wind blows, there is the possibility of the outdoor unit being toppled over if held only by foundation bolts.	1. Install the outdoor unit with keeping a sufficient distance between the outlet side of the unit and a facing wall or fence. 2. Make the outlet direction and wind direction perpendicular. 3. Fasten the outdoor unit using toppling prevention hardware (purchased locally).
When snow accumulates.	If the outdoor unit is covered by accumulated snow, it may not be able to operate.	1. Make the foundation as high as possible. 2. Perform snow prevention work.
When installing the inverter type.	It may generate noise in TV sets, stereos and PCs.	The inverter type should be installed at a sufficient distance from these equipments.