Refrigerant R410A

INVERTER

AIR CONDITIONER

Multi: 2 rooms type
3 rooms type
4 rooms type

DESIGN & TECHNICAL MANUAL

INDOOR				
	RICH07AVFJ RICH09AVFJ RICH12AVFJ RICH18AVFJ	RIDH07AVFJ RIDH09AVFJ RIDH12AVFJ	RIDH18AVFJ	RIDH24AVFJ
	RIWH07AVFJ RIWH09AVFJ RIWH12AVFJ RIWH18AVFJ	RIWH15AVFJ	RIFH09AVFJ RIFH12AVFJ RIFH18AVFJ	
OUTDOOR				
	ROMH18AFXZJ ROMH24AFXZJ	ROMH36AFXZJ		

Notices:

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

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Part 1. INDOOR UNIT

COMPACT CASSETTE TYPE:
RICH7/9/12/18AVFJ

SLIM DUCT TYPE:
RIDH7/9/12/18/24AVFJ

WALL MOUNTED TYPE:
RIWH7/9/12/15AVFJ
RIWH18/24AVFJ

FLOOR TYPE:
RIFJ9/12/15AVFJ

1. Product features

Implemented core technology provides easy-to-use product operations that realize a comfortable space.

1-1. Model lineup

Indoor unit		
RICH07AVFJ RICH07AVFJ RICH07AVFJ RICH07AVFJ	RIDH07AVFJ RIDH09AVFJ RIDH12AVFJ	RIDH18AVFJ RIDH24AVFJ
	RIWH07AVFJ RIWH00AVFJ RIWH12AVFJ RIWH15AVFJ	RIWH18AVFJ RIWH24AVFJ
		RIFH09AVFJ RIFH12AVFJ RIFH15AVFJ

Outdoor unit		
ROMH18AFXZJ	ROMH24AFXZJ	ROMH36AFXZJ

● Indoor units that can be connected to each outdoor unit

●: Connectable / -: Not connectable

Outdoor unit		Compact cassette				Slim duct				
		RICH7—18AVFJ				RIDH7—24AVFJ				
	kBtu class	7	9	12	18	7	9	12	18	24
2 rooms	ROMH18AFXZJ	●	●	●	-	●	●	●	-	-
3 rooms	ROMH18AFXZJ	●	●	●	●	●	●	●	●	-
4 rooms	ROMH18AFXZJ	●	●	●	●	●	●	●	●	●

Outdoor unit		Wall mounted						Floor		
		RIWH7/12AVFJ/15AVFJ				RIWH18, 24AVFJ		RIFH9—15AVFJ		
	kBtu class	7	9	12	15	18	24	9	12	15
2 rooms	ROMH18AFXZJ	●	●	●	-	-	-	●	●	-
3 rooms	ROMH24AFXZJ	●	●	●	●	●	-	●	●	●
4 rooms	ROMH36AFXZJ	●	●	●	●	●	●	●	●	●

■ Indoor unit connection patterns

● 2 rooms

ROMH18AFXZJ			
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

ROMH24AFXZJ				
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,

● 4 rooms

ROMH36AFXZJ					
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

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".

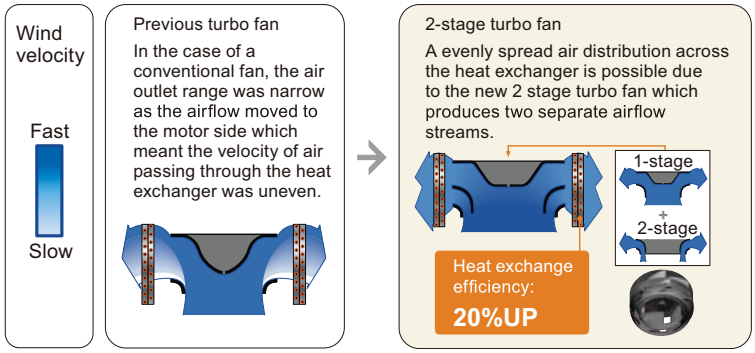
*2: Wall mounted type RlWH18AVFJ can not be connected in this combination.

1-2. Features

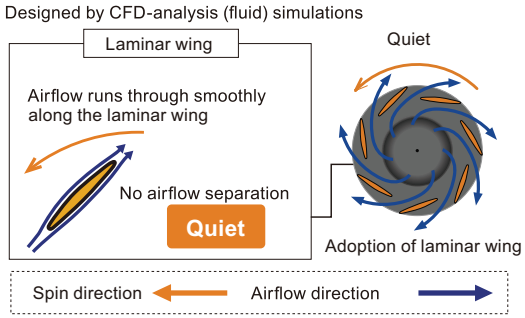
■ Compact cassette type

● Models: RICH7AVFJ, RICH9AVFJ, RICH12AVFJ, and RICH18AVFJ

- **2-stage turbo fan**
  High efficiency design by 2 stage structure



- **Quiet quality**
  Optimization of wing form (laminar wing type) and wing number (7 blades each)



- **Easy maintenance**

1 Maintenance of fan motor and fan

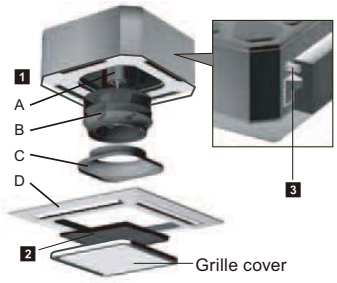
Maintenance of the fan motor and fan can be done easily after taking off the panel as the bell mouth of the fan can be removed easily.

A: Fan motor

B: 2-stage turbo fan

C: Bell-mouth

D: Panel



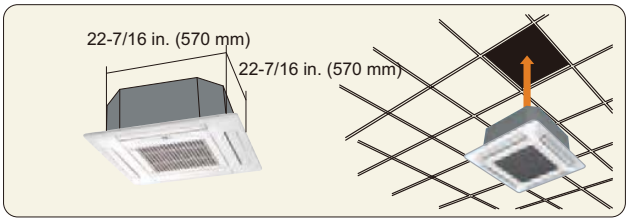
2 Air filter

Standard equipment

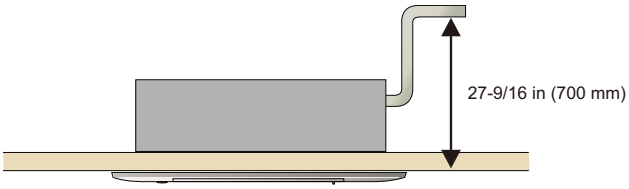
3 Adaption of transparent drainage parts

During installation, maintenance and operation, the drain pump and kit can be checked easily.

- **Compact design**
  Easy installation by taking off ceiling panel of 23-5/8 in × 23-5/8 in (600 mm × 600 mm) size.



- **High lift drain pump**

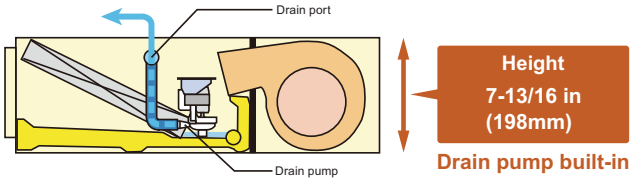


■ Slim duct type

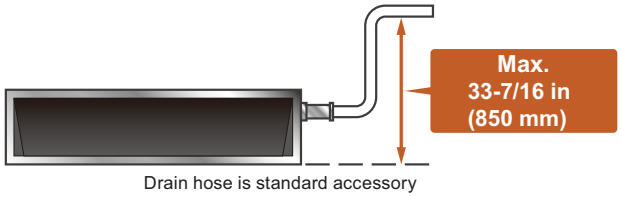
● Models: RIDH7AVFJ, RIDH9AVFJ, RIDH12AVFJ, RIDH18AVFJ, and RIDH24AVFJ

Slim design and wide range of static pressure for flexible installation.

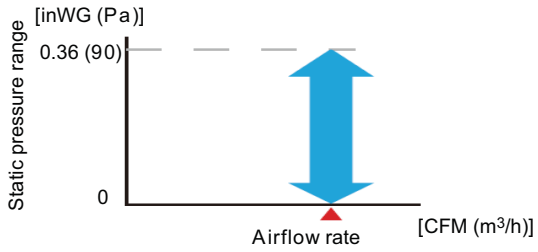
- **Slim design**
  This model is slim design, it can install at the place where a ceiling is narrow.



- **Compact design**
  Condensate lift-up to 33-7/16 in.

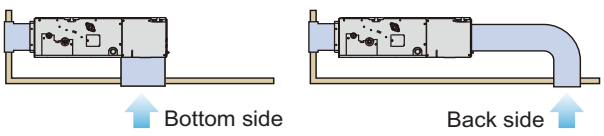


- **Selectable with a wide range of static pressure**
  By using DC fan motor, it is possible to change of static pressure range 0 to 0.36 inWG (0 to 90 Pa). The change of static pressure range is possible by remote controller.

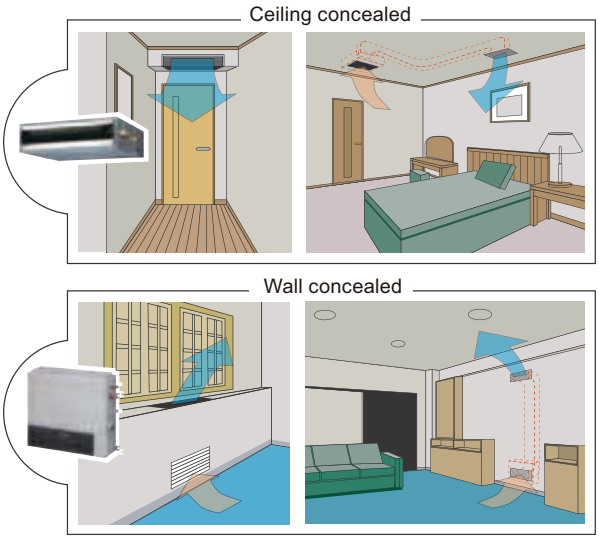


  * 24 model is 0 to 0.20 inWG (0 to 50 Pa).

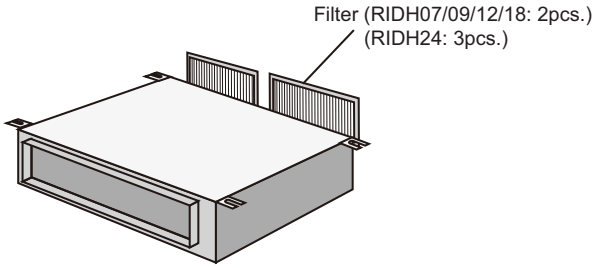
- **Air intake**
  Air intake direction can be selected to match the installation site.



- **Flexible installation**



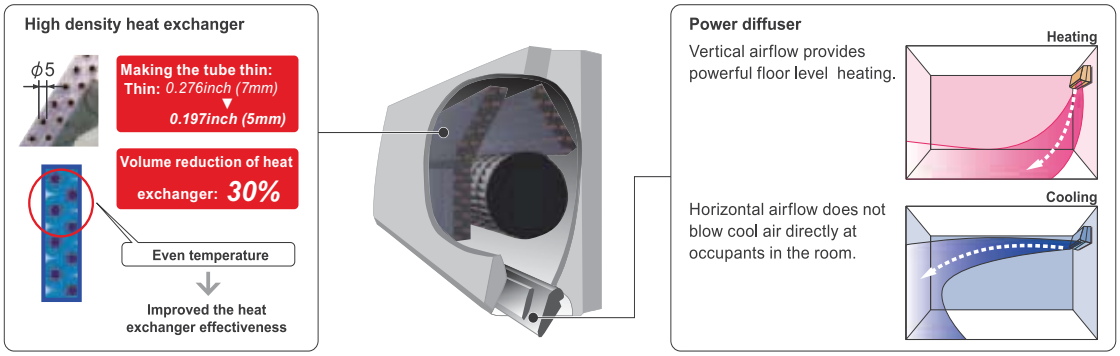
- **Filter (Accessory)**



■ Wall mounted type

● Models: RIWH7AVFJ, RIWH9AVFJ, RIWH12AVFJ, and RIWH15AVFJ

- **High efficient compact design and more comfortable airflow**

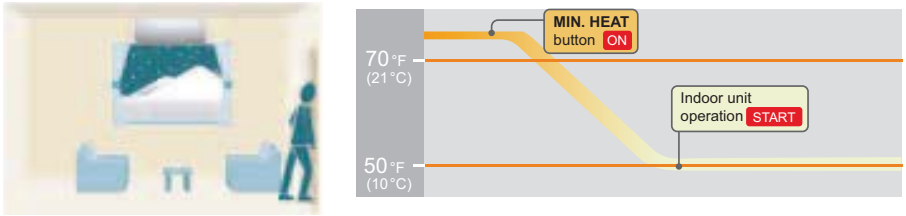


- **Quiet operation**
  Airflow mode can be set in 4 steps and more detailed airflow setting is possible. 21 dB only at cooling operation (22 dB at heating operation).

Fan speed	Noise level
Quiet	21 dB(A)

(7/9/12 TYPE)

- MIN. HEAT operation
  The room temperature can be set to go no lower than50°F (10°C), thus ensuring that the room does not get too cold when not occupied.



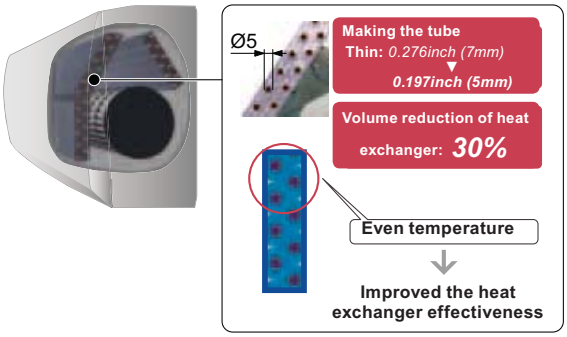
⚠CAUTION

- When the room temperature is higher than 50°F (10°C), MIN. HEAT operation does not start. Operation starts and maintains the room temperature at 50°F (10°C) when the temperature drops below 50°F (10°C).
- When MIN. HEAT operation stops, the room set temperature quickly returns to the preset temperature.

- **Powerful operation**
  *Only available with Wireless RC.
  20 minutes continuous operation by maximum airflow and maximum compressor speed is possible. Rapid cooling and heating makes the room comfortable quickly.

● Models: RlWH7AVFJ, RlWH9AVFJ, and RlWH12AVFJ

- **High density heat transfer tube arrangement**



- **Filter features**
  - Ion deodorization filter

The filter deodorizes by powerfully decomposing absorbed odors using the oxidizing and reducing effects of ions generated by the ultra-fine-particle ceramic.

Using different filters at both sides

  - Apple-catechin filter

Apple-catechin filter uses static electricity to clean fine particles and dust in the air.

- **Easy maintenance**
  - Removable & washable panel

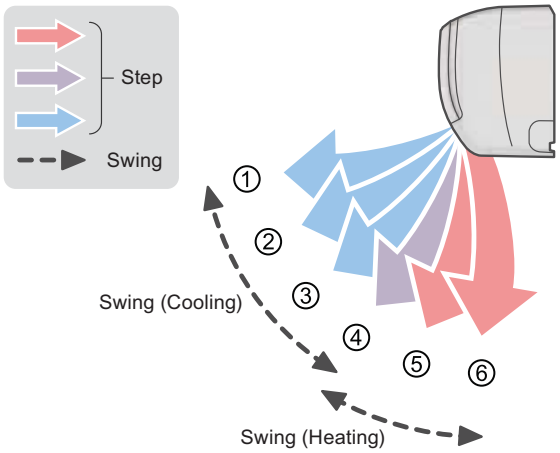
  - Dry operation
    Dry operation removes moisture and keeps the air conditioner clean.

- **Quiet operation**

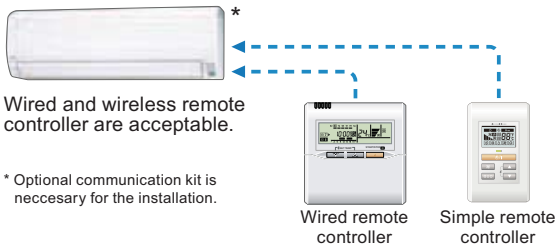
Cooling mode (7/9/12 TYPE)

Fan speed	Noise level
Quiet	***25dB(A)***

- **Auto swing louver**
  The Auto swing louver function ensures that the air direction corresponds to the mode selected.



- **Wired control compatible**



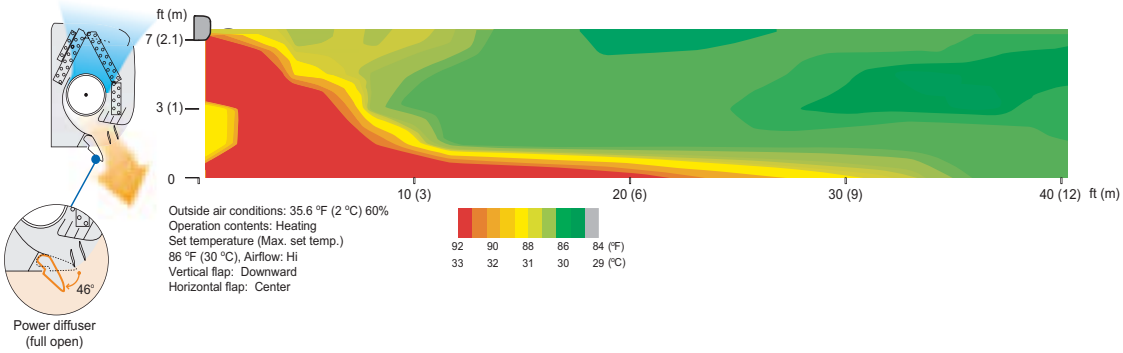
● Models: RlWH18AVFJ and RlWH24AVFJ

Simple and elegant appearance design

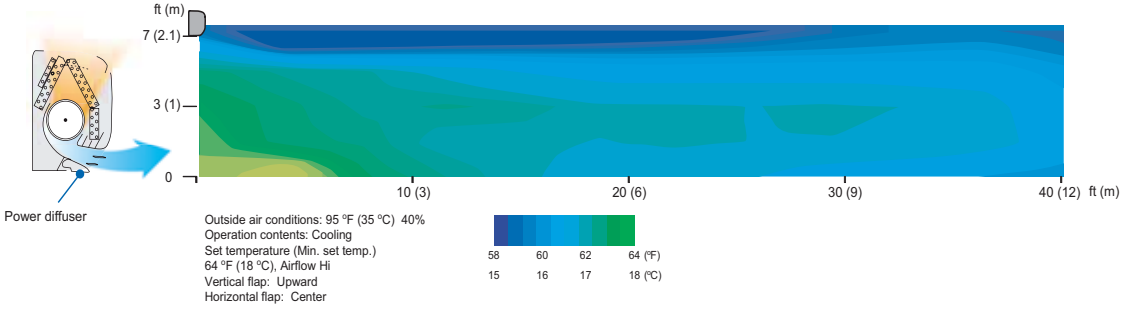
- **Compact and slim design**

39-5/16 in (998 mm)

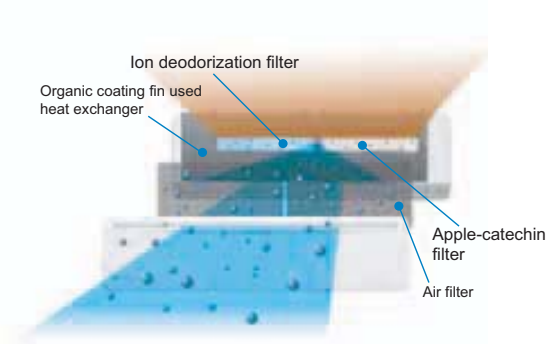
- **“Vertical airflow” provides powerful floor level heating**



- **"Horizontal airflow" does not blow cool air directly at the occupants in the room**



- **Air conditioner filter features**



– Ion deodorization filter

The filter deodorizes by powerfully decomposing absorbed odors using the oxidizing and reducing effects of ions generated by the ultra-fine-particle ceramic.

+ Using different filters at both sides

– Apple-catechin filter

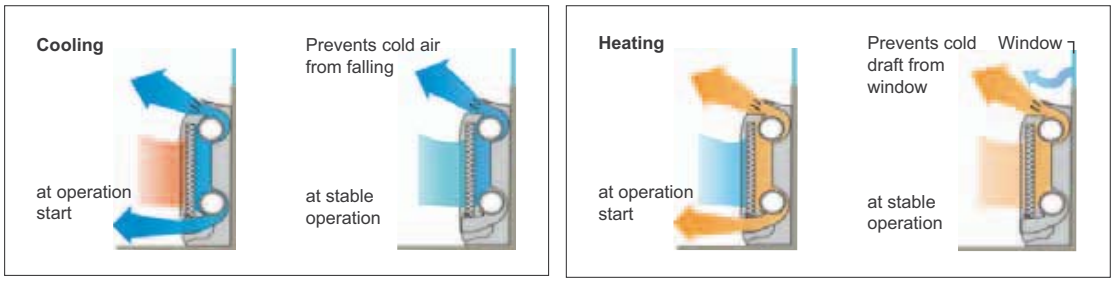
Apple-catechin filter uses static electricity to clean fine particles and dust in the air.

- **Easy maintenance**
  Simplification of drain pan cleaning improves maintenance-ability.

■ Floor type

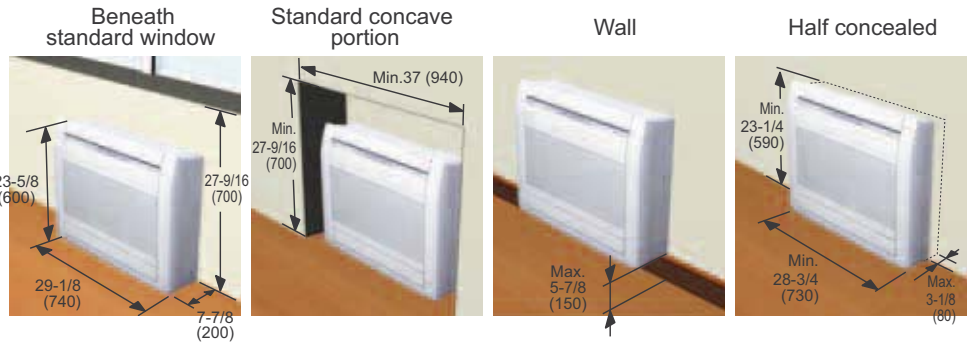
● Models: RIFH9AVFJ, RIFH12AVFJ, and RIFH15AVFJ

- **2-fan and wide airflow**



- **Flexible and easy installation**

Unit: in (mm)



- **Filter features**

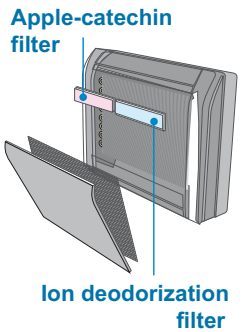
Ion deodorization filter

The filter deodorizes by powerfully decomposing absorbed odors using the oxidizing and reducing effects of ions generated by the ultra-fine-particle ceramic.

\+ Using different filters at both sides

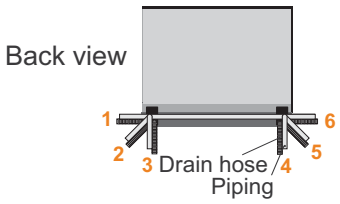
Apple-catechin filter

Apple-catechin filter uses static electricity to clean fine particles and dust in the air.



- **Easy maintenance**
  Removable and washable panel

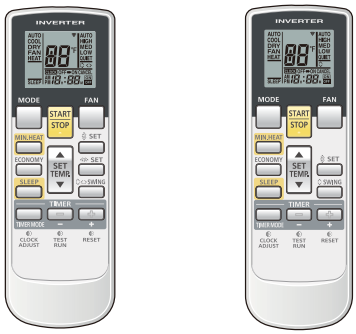
- **Flexible piping connection**
  6 directions of drain and piping



2. Remote controller

2-1. Wireless remote controller

■ Features



- 4 kinds of timer setup (on/off/program/sleep) are possible.
- Can be used jointly with wired remote controllers.
- Easy to change custom code (max. 4 custom codes) by button operation.

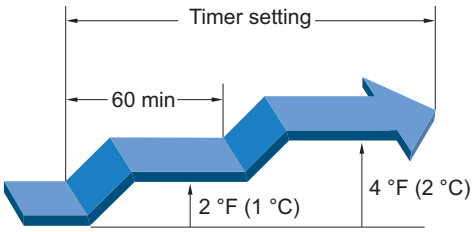
● Program timer

The program timer operates the on and off timer once within a 24-hour period.

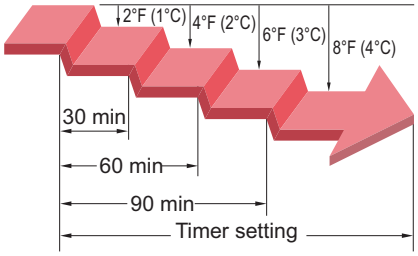
● Sleep timer

The sleep timer function automatically corrects the temperature thermostat setting according to the time setting to prevent excessive cooling and heating while sleeping.

Cooling operation/Dry operation
When the sleep timer is set, the set temperature automatically rises 2 °F (1 °C) every hour. The set temperature can rise up to a maximum of 4 °F (2 °C).



Heating operation
When the sleep timer is set, the set temperature automatically drops 2 °F (1 °C) every 30 minutes. The set temperature can drop to a maximum of 8 °F (4 °C).

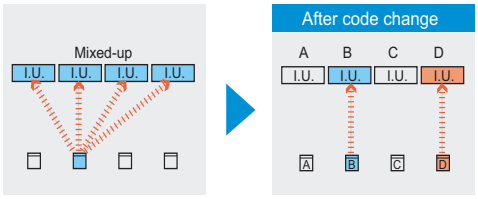


● Simple function setting

Setting of the air conditioner selection function is performed by remote controller.

● Switching remote controller custom code

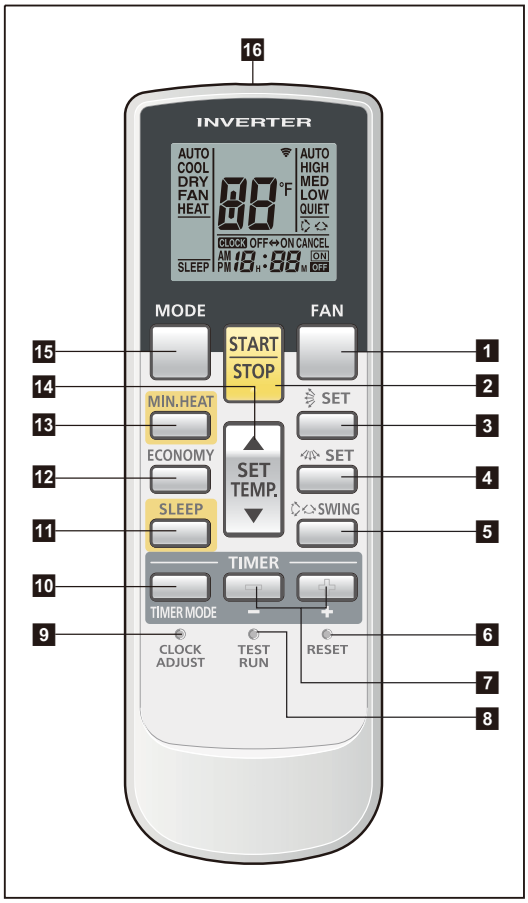
Code selector switch eliminates unit being wrongly switched. (Up to 4 codes can be set.)



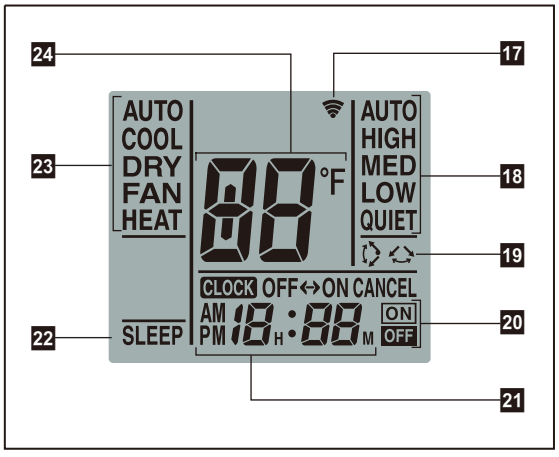
* I.U.: Indoor unit

■ Overview

●



Display panel



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

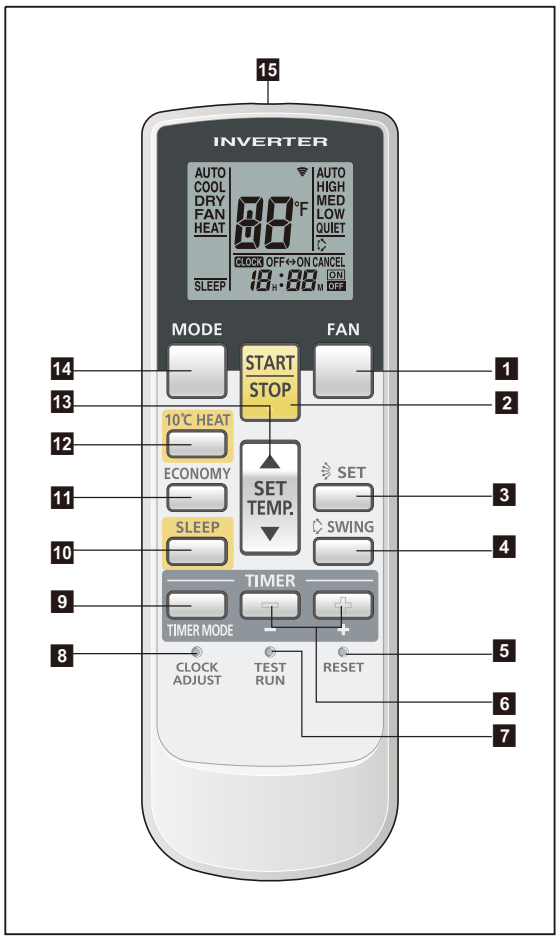
21 Clock indicator

22 Sleep indicator

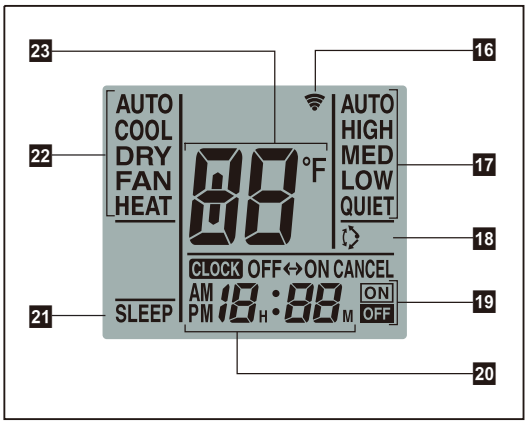
23 Operating mode indicator

24 Temperature indicator

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



Display panel



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 SWING button

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

5 RESET button

Used when replacing batteries.

6 Timer set (- / +) button

Sets the current time and on-off time.

7 TEST RUN button

Only used for the initial test in the unit installation.

8 CLOCK ADJUST button

Used for adjusting the clock.

9 TIMER MODE button

Selects the timer mode (off timer, on timer, program timer, and timer reset).

10 SLEEP button

Pressed to select sleep timer.

11 ECONOMY button

12 MIN. HEAT button

13 SET TEMP. (temperature) (▲ / ▼) button

- Sets desired temperature.
- Sets remote controller custom code.

14 MODE button

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

15 Signal transmitter

16 Signal transmit indicator

17 Fan speed indicator

18 Swing indicator

19 Timer mode indicator

20 Clock indicator

21 Sleep indicator

22 Operating mode indicator

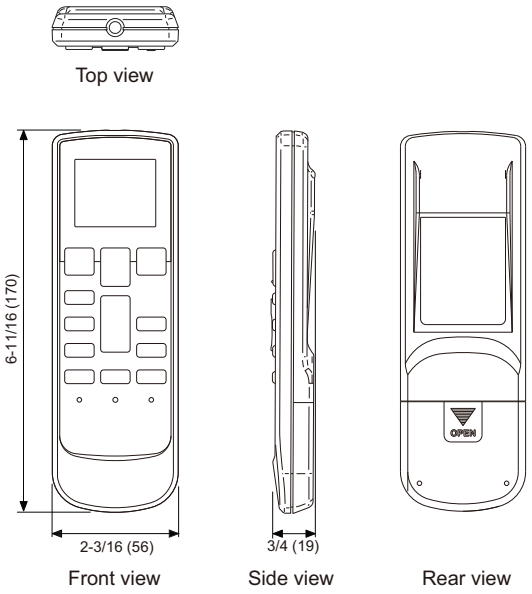
23 Temperature indicator

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

■ Specifications

● Controller

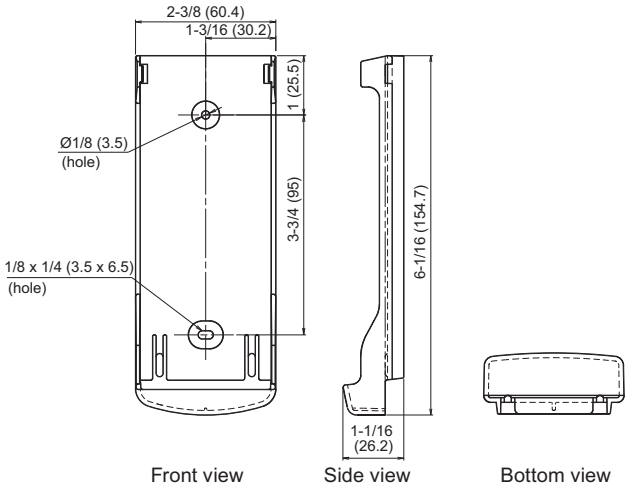
Unit: in (mm)



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

● 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)	10 (28)

2-2. Wireless remote controller

■ Features

- Temperature setting by 0.5 °C1 °F or by 0.5 °C possible.
- 5-mode timer setup (on, off, weekly, program, and sleep) available.
  NOTE: When performing server room control, only the weekly timer is effective.
- Easy operation.
- Easy to change custom code (max. 4 custom code).
- Can be used jointly with wired remote controllers.

- 4-mode timer setup (on, off, program, and sleep) available.
- Easy operation.
- Easy to change custom code (max. 4 custom code).
- Can be used jointly with wired remote controllers.

● Simple function setting

Setting of the air conditioner selection function is performed by remote controller.

● Weekly timer

Weekly timer can be easily set by wireless remote controller.
On and off can be set up to 4 times in a day, and up to 28 times in a week.

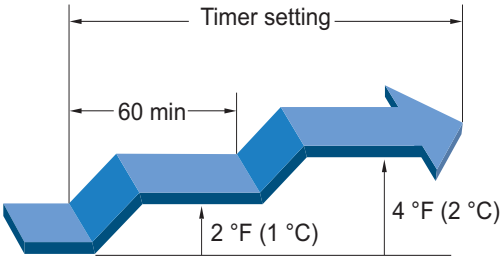
● Program timer

The program timer operates the on and off timer once within a 24-hour period.

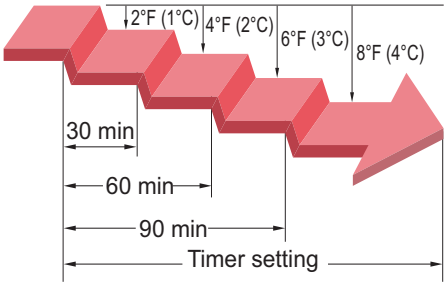
Sleep timer

The sleep timer function automatically corrects the temperature thermostat setting according to the time setting to prevent excessive cooling and heating while sleeping.

Cooling operation/Dry operation
When the sleep timer is set, the set temperature automatically rises 2 °F (1 °C) every hour. The set temperature can rise up to a maximum of 4 °F (2 °C).

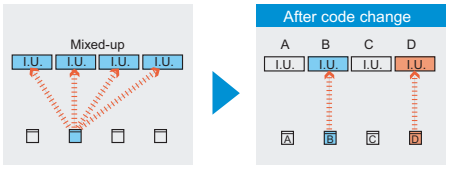


Heating operation
When the sleep timer is set, the set temperature automatically drops 2 °F (1 °C) every 30 minutes. The set temperature can drop to a maximum of 8 °F (4 °C).



Switching remote controller custom code

Code selector switch eliminates unit being wrongly switched. (Up to 4 codes can be set.)

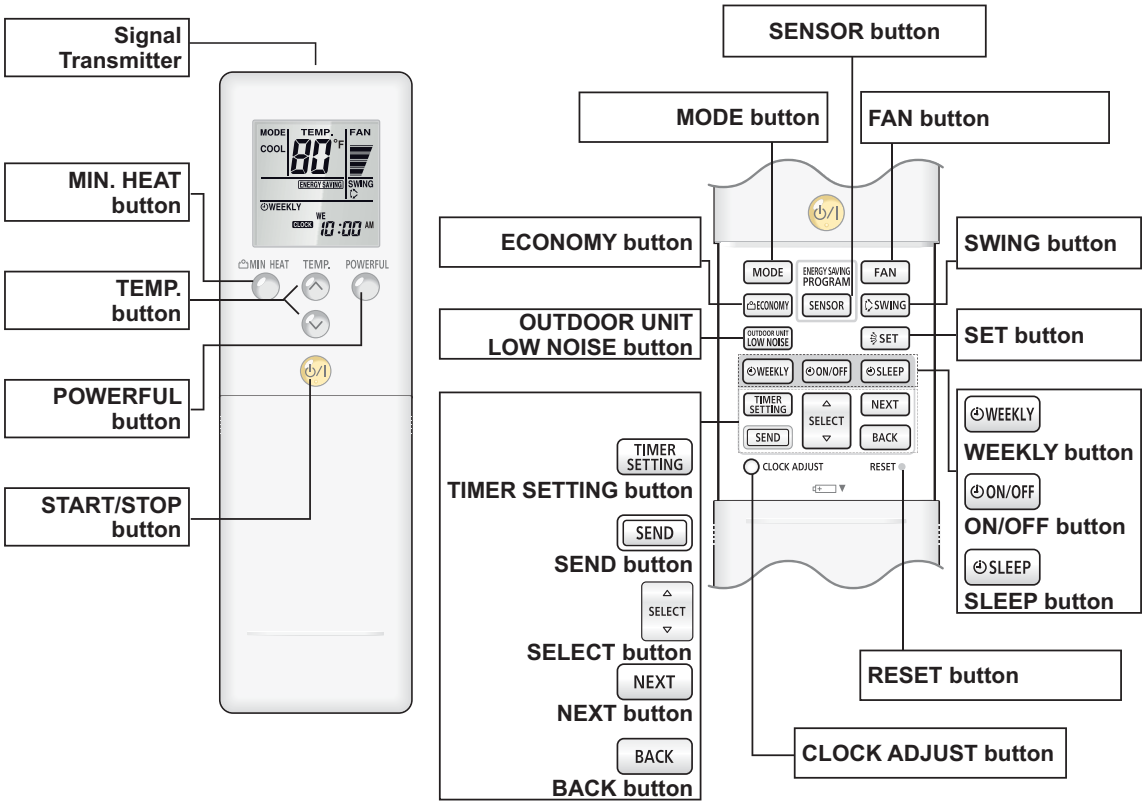


* I.U.: Indoor unit

Temperature unit switchable

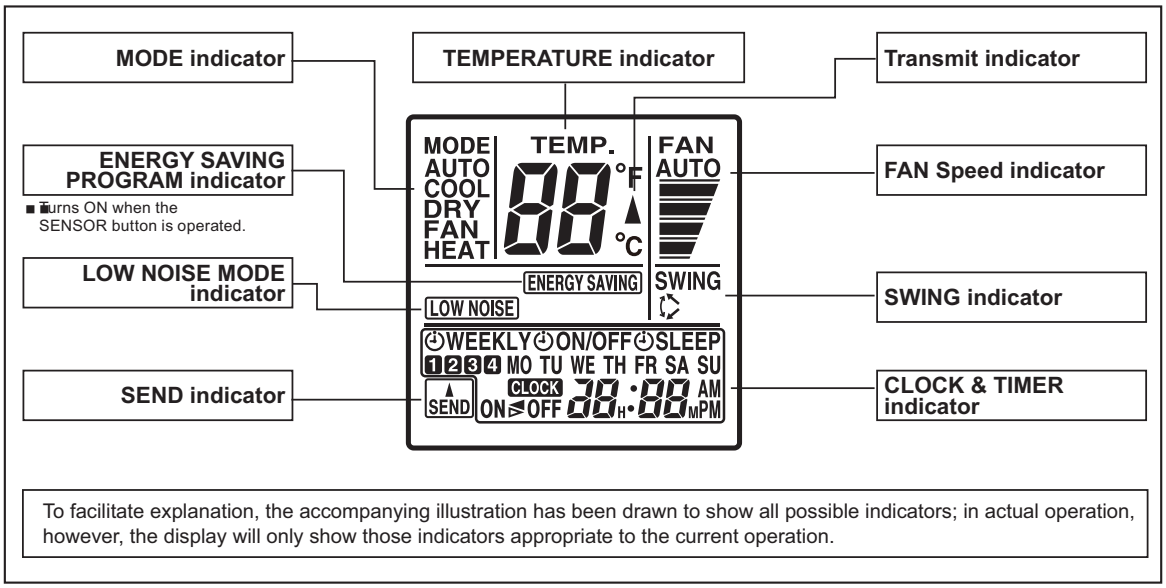
Easy to change the temperature unit between °F and °C by button operation.

■ Overview



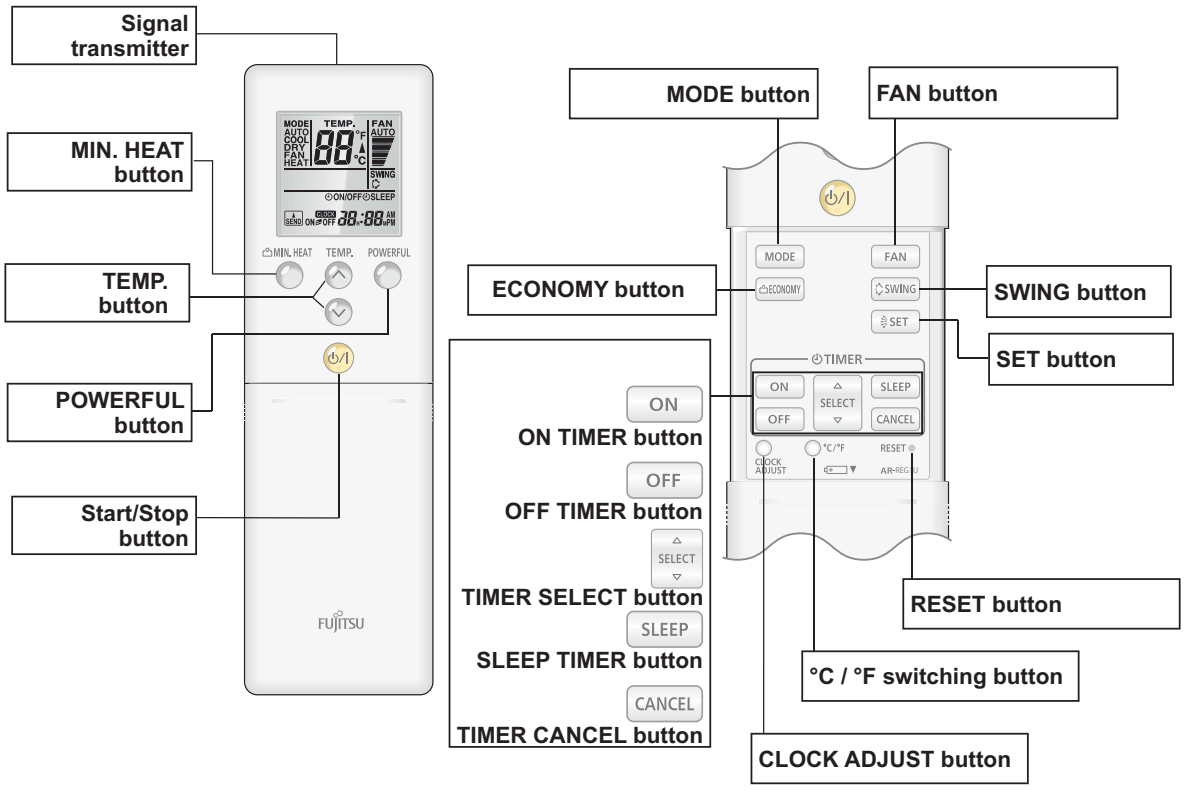
NOTE: Functions may differ by type of the indoor unit. For details, refer to the operation manual.

Display panel



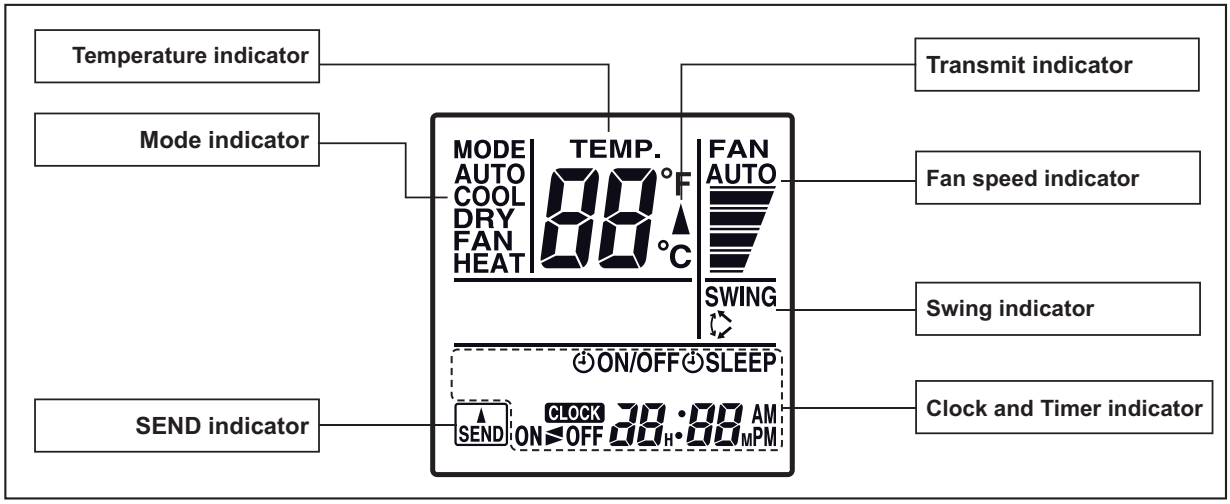
To facilitate explanation, the accompanying illustration has been drawn to show all possible indicators; however, the display will only show those indicators appropriate to the current operation.

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.



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

Display panel

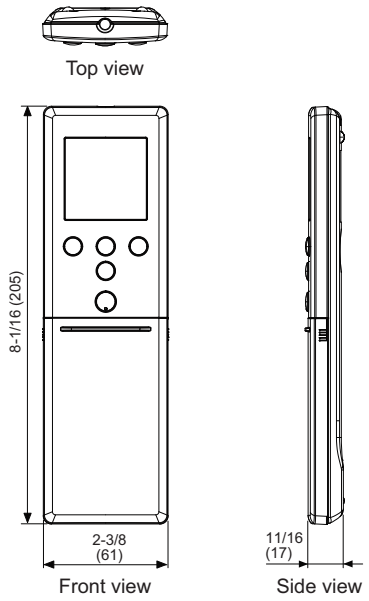


To facilitate explanation, the accompanying illustration has been drawn to show all possible indicators; in actual operation, however, the display will only show those indicators appropriate to the current operation.

■ Specifications

● Controller

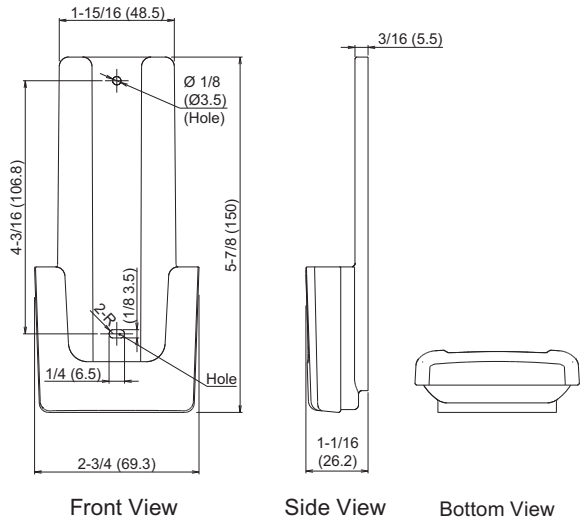
Unit: in (mm)



Size (H × W × D)	in (mm)	8-1/16 × 2-3/8 × 11/16 (205 × 61 × 17)
Weight	oz (g)	4.3 (122) (without batteries)

● Holder

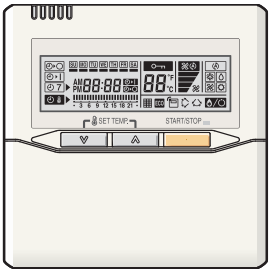
Unit: in (mm)



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)

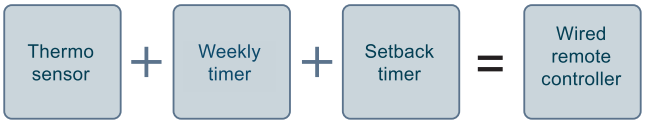
2-3. Wired remote controller (RXRNNUM)

■ Features



- Various timer setup available (on, off, and weekly).
- Equipped with weekly timer as standard function. (Start/stop function is twice per day for a week.)
- When setting up the timer, operation mode and temperature setup can be changed.
- When a failure occurs, the error code is displayed.
- Error history. (Last 16 error codes can be accessed.)
- The room temperature can be controlled by detecting the temperature accurately with built-in thermo sensor.

● High performance and compact size

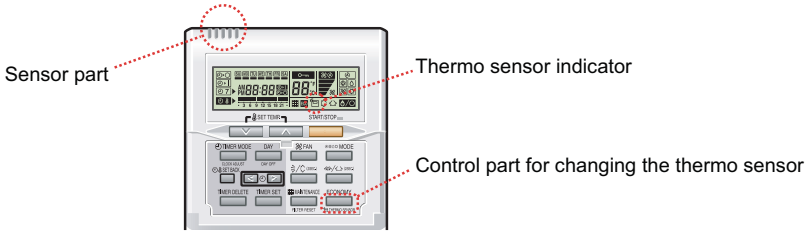


● Accurate and comfortable

Indoor temperature can be detected accurately by the inclusion of a thermo sensor in the body of the wired controller.

Our system can correspond to various scenes.

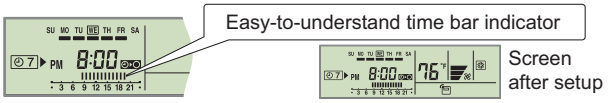
This wired remote controller and the optional remote sensor allows flexibility in sensor location, and suitable for all requirements.



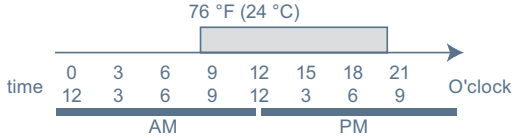
● Built-in timers

Weekly timer

Possible to set on/off time to operate twice each day of the week.

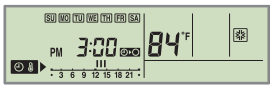


Example:
(Set to Wednesday: 8:00 to20:00)

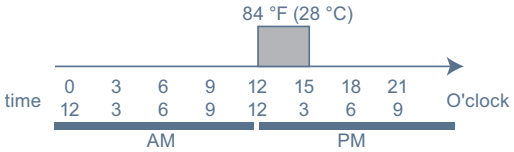


Setback timer

Possible to set temperature for two time spans and for each day of the week.

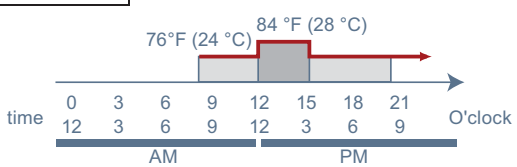


Example: setup screen
(Set from Sunday to Saturday: 12:00 to 15:00, 28 °C.)



At *"Weekly timer"* + *"Set back timer"* setup

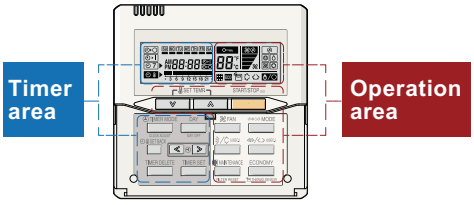
76 °F → 84 °F → 76 °F
24 °C → 28 °C → 24 °C



● Easy-to-understand operation

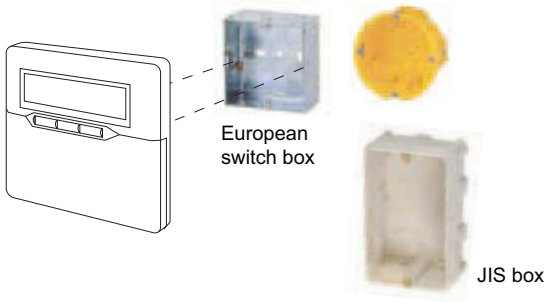
[Variable timer control]

The operation/display sections are zoned according to time and operation, enabling variable programming to match application.



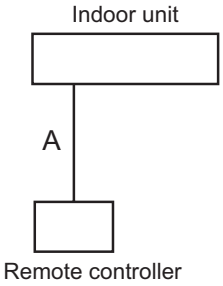
● Simple installation

Components are compatible with standard switch boxes. Flat-back surface allows equipment to be installed wherever it is needed.

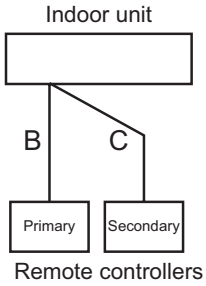


● System diagram

1 remote controller



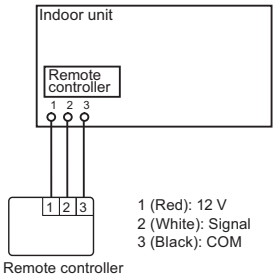
2 remote controllers



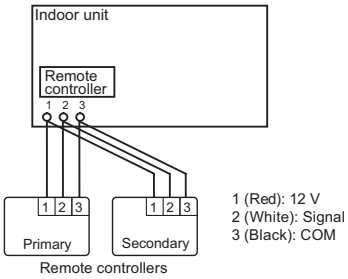
A, B, C: Remote controller cable
A ≤ 1,640 ft (500 m);B + C ≤ 1,640 ft (500 m)

● Electrical wiring

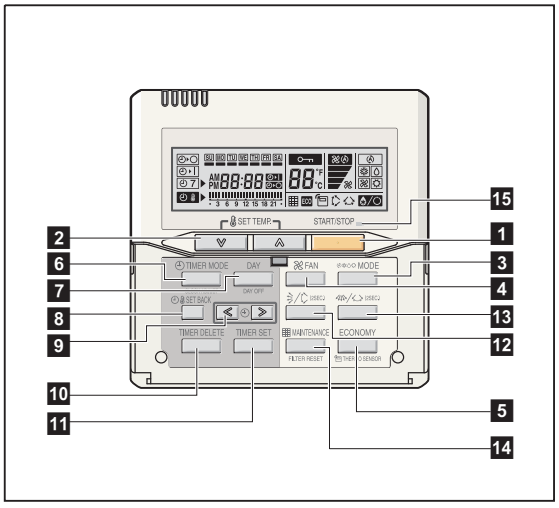
1 remote controller



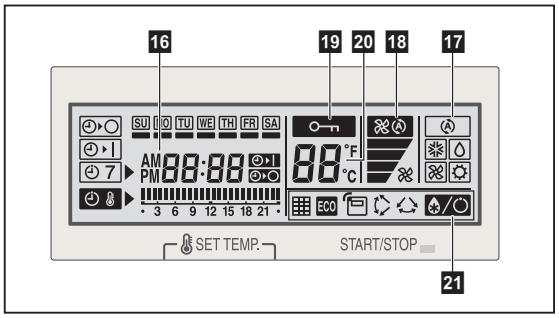
2 remote controllers



■ Overview



Display panel



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

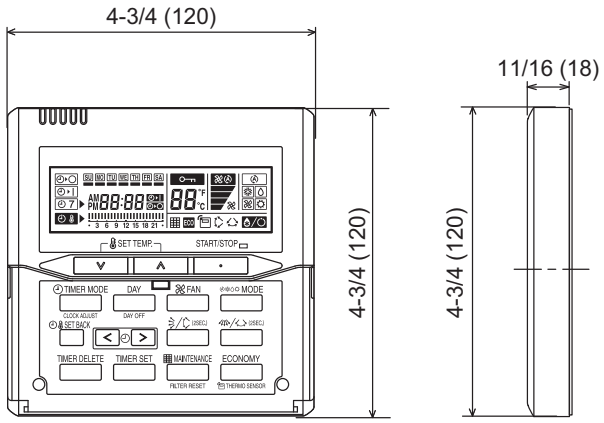
21 Function indicators
- Defrost indicator
- Thermo sensor indicator
- ECO Economy indicator
- Vertical swing indicator
- Horizontal swing indicator
- Filter indicator

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

■ 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

■ Installation

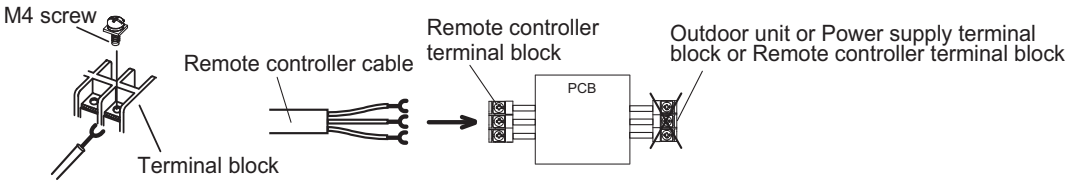
● Connection pattern

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	RIWH7AVFJ, RIWH9AVFJ, RIWH12AVFJ, and RIWH15AVFJ	Pattern B
	RIWH18AVFJ and RIWH24AVFJ	Pattern C

● Pattern A

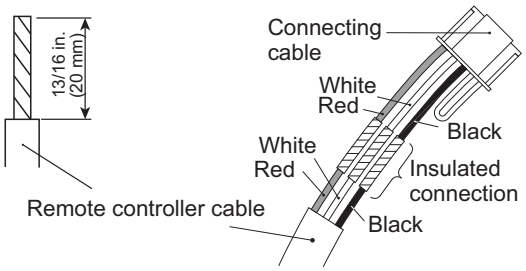
Connect the end of remote controller cable directly to the exclusive terminal block.



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

● Pattern B

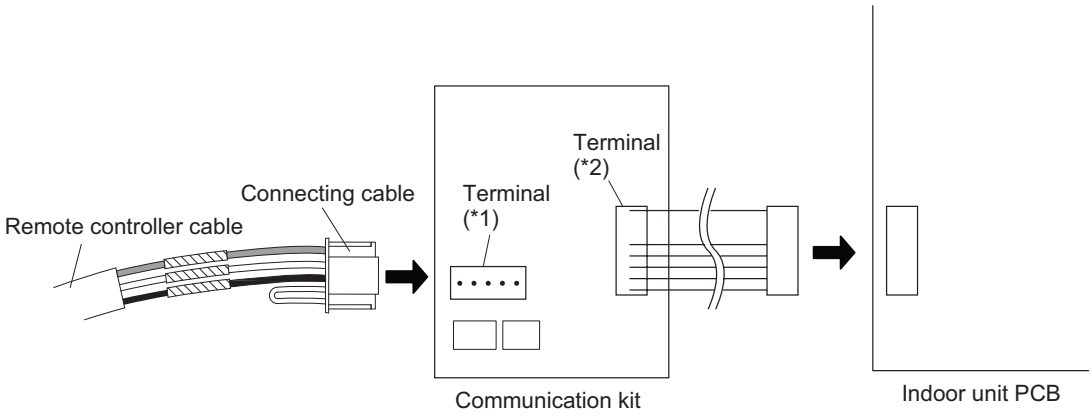
1. Modify the remote controller cable as follows:
   - Use a tool to cut off the terminal on the end of the remote controller cable and then remove the insulation from the cut end of the cable as shown in following figure.
   - Connect the remote controller cable and connecting cable as shown in following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



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.

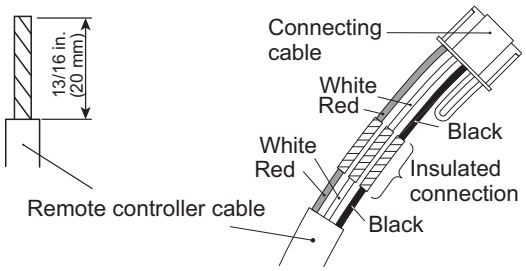
*1: CNC01 (for RIWH7/9/12/15AVFJ: RXXCBXZ2)

*2: CND01 (for RIWH7/9/12/15AVFJ: RXXCBXZ2)

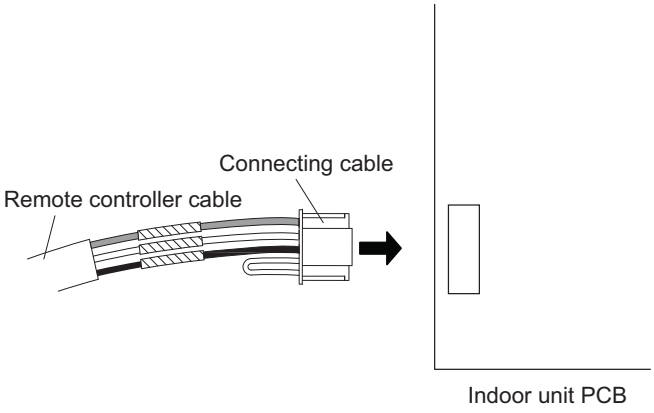


● Pattern C

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.



■ Wiring specifications

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

■ Optional parts

Wall mounted	Model name
RIWH7/9/12/15AVFJ	RXXCBXZ2

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

3. Specifications

3-1. Compact cassette type

Model name					RICH7AVFJ	RICH9AVFJ	RICH12AVFJ	RICH18AVFJ
Power supply					208/230 V ~ 60 Hz			
Available voltage range					187—264 V			
Capacity				Btu/h class	7,000	9,000	12,000	18,000
Input power				W	18	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 *2		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 88 (16 to 31)			
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		Model name			UTG-CCGF			
		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.

*: These are the measured values in the manufacturer's anechoic chamber.

Because of the surrounding sound environment, the sound levels measured in actual installation conditions might be higher than the specified values here.

3-2. Slim duct type

Model name					RIDH7AVFJ	RIDH9AVFJ	RIDH12AVFJ
Power supply					208/230 V ~ 60 Hz		
Available voltage range					187—264 V		
Capacity				Btu/h class	7,000	9,000	12,000
Input power				W	33	49	58
Running current				A	0.30	0.30	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	81	
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 88 (16 to 31)		
Remote controller type					Wired (Wireless [option])		

NOTES:

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

Model name					RIDH18AVFJ	RIDH24AVFJ
Power supply					208/230 V ~ 60 Hz	
Available voltage range					187—264 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 88 (16 to 31)	
Remote controller type					Wired (Wireless [option])	

NOTES:
- Specifications are based on the following conditions.
  – Standard static pressure: 0.10 inWG (25 Pa)
- The protective function might work when using it outside the operation range.
- *Sound pressure level:
  – Measured values in manufacturer's anechoic chamber.
  – Because of the surrounding sound environment, the sound levels measured in actual installation conditions might be higher than the specified values here.

3-3. Wall mounted type

Model name					RlWH7AVFJ	RlWH9AVFJ	RlWH12AVFJ	RlWH15AVFJ
Power supply					208/230 V ~ 60 Hz			
Available voltage range					187—264 V			
Capacity				Btu/h class	7,000	9,000	12,000	14,000
Input power				W	15	17	22	28
Running current				A	0.13	0.15	0.19	0.25
Fan	Airflow rate	Cooling	HIGH	CFM (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 N9.25 /)			
Dimensions (H × W × D)	Net			in (mm)	10-9/16 × 33-1/16 × 8 (268 × 840 × 203)			
	Gross				10-5/8 × 34-13/16 × 14-3/4 (270 × 884 × 336)			
Weight	Net			lb (kg)	19 (8.5)			
	Gross				23 (10.5)			
Connection pipe	Size	Liquid		in (mm)	Ø1/4 (Ø6.35)			
		Gas			Ø3/8 (Ø9.52)			Ø1/2 (Ø12.70)
	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 88 (16 to 31)			
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.

Model name					RIWH18AVFJ	RIWH24AVFJ
Power supply					208/230 V ~ 60 Hz	
Available voltage range					187—264 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 N9.25 /)	
Dimensions (H × W × D)	Net			in (mm)	12-5/8 × 39-1/4 × 9 (320 × 998 × 228)	
	Gross				12-9/16 × 42-15/16 × 16-7/8 (319 × 1,090 × 429)	
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 88 (16 to 31)	
Remote controller type					Wireless (Wired [option])	

NOTES:

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

3-4. Floor type

Model name					RIFH9AVFJ	RIFH12AVFJ	RIFH15AVFJ
Power supply					208/230 V ~ 60 Hz		
Available voltage range					187—264 V		
Capacity				Btu/h class	9,000	12,000	14,000
Input power				W	16	20	23
Running current				A	0.15	0.18	0.20
Fan	Airflow rate	Cooling	HIGH	CFM (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 N9.25/)		
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])		

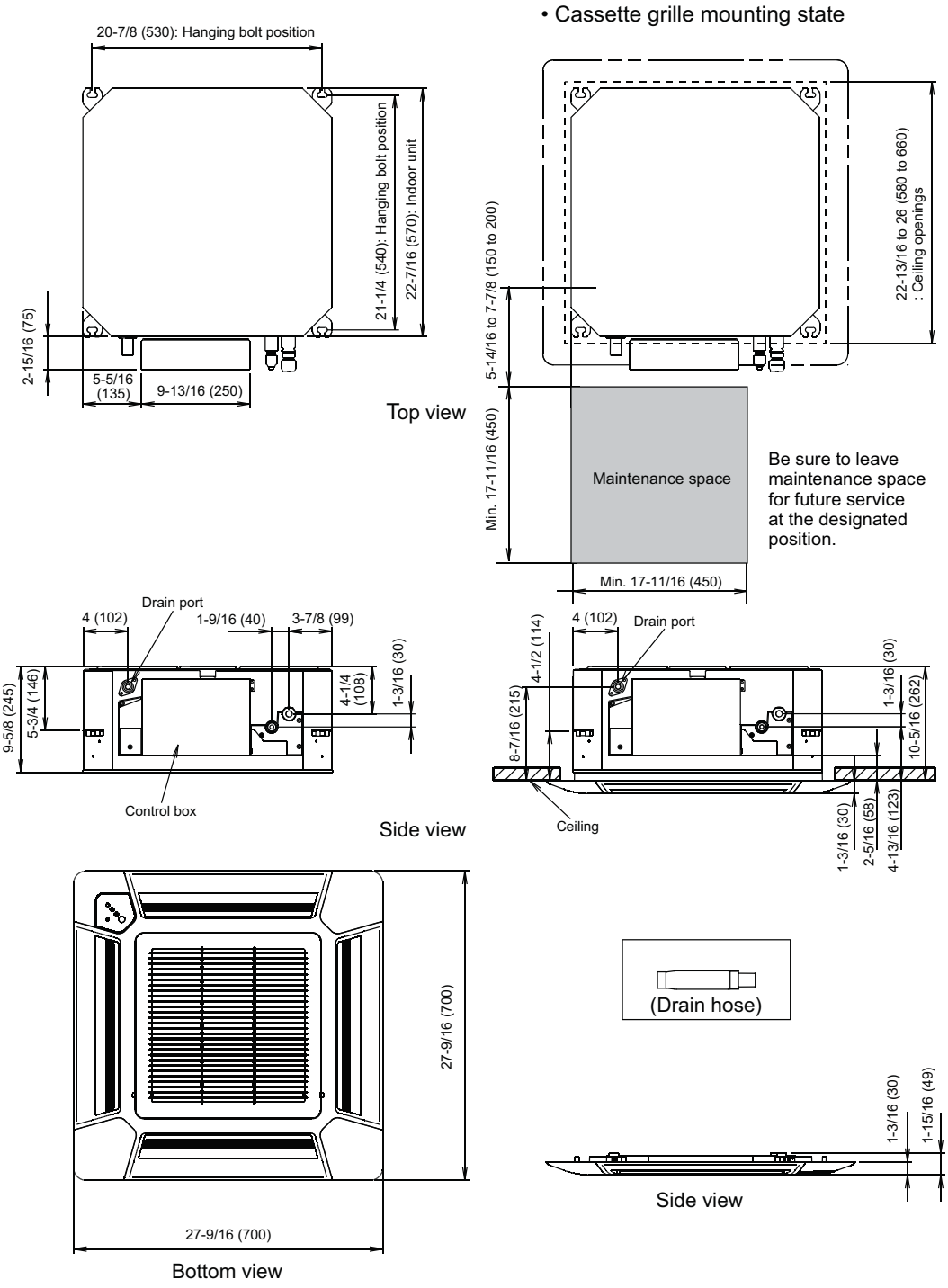
NOTES:
- The protective function might work when using it outside the operation range.
- *Sound pressure level:
  - Measured values in manufacturer's anechoic chamber.
  - Because of the surrounding sound environment, the sound levels measured in actual installation conditions might be higher than the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

4. Dimensions

4-1. Compact cassette type

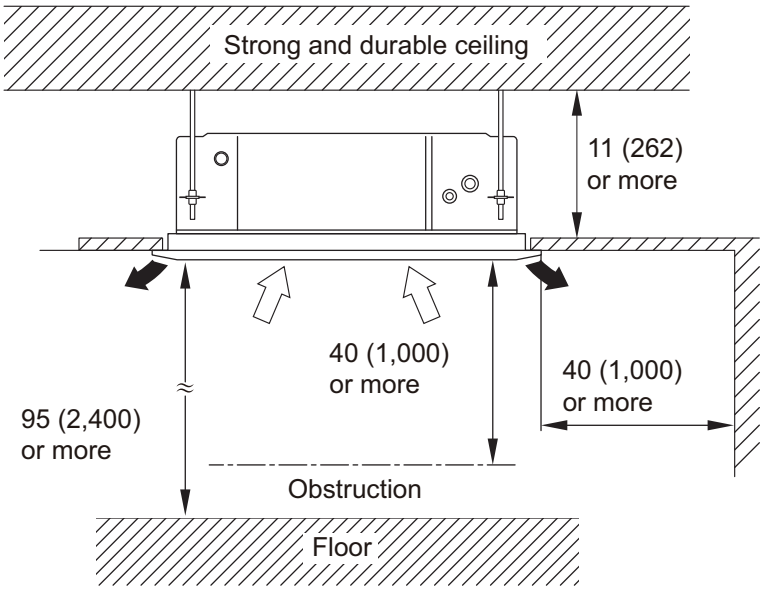
■ Models: RICH7AVFJ, RICH9AVFJ, RICH12AVFJ, and RICH18AVFJ

Unit: in. (mm)



■ Installation space

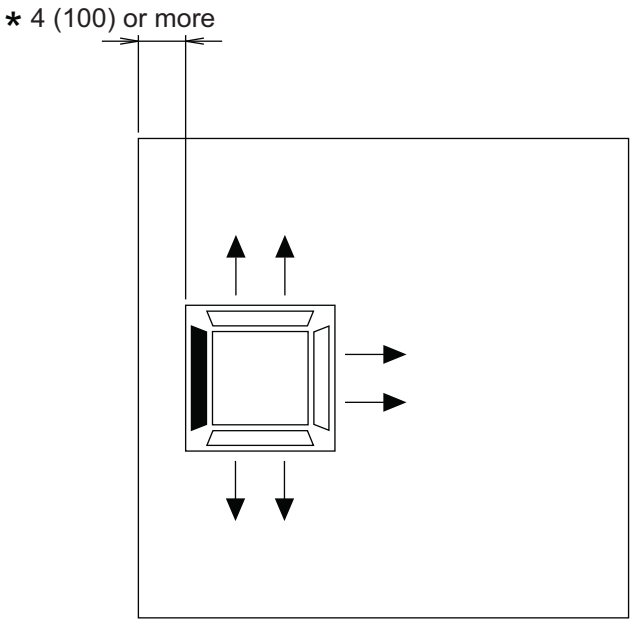
Unit: in (mm)



	Maximum height from floor to ceiling (Unit: mm)			
Model name	RICH7	RICH9	RICH12	RICH18
Standard mode	107 (2,700)			
High Ceiling mode	-		119 (3,000)	

- **3-way direction setting**

Unit: in (mm)



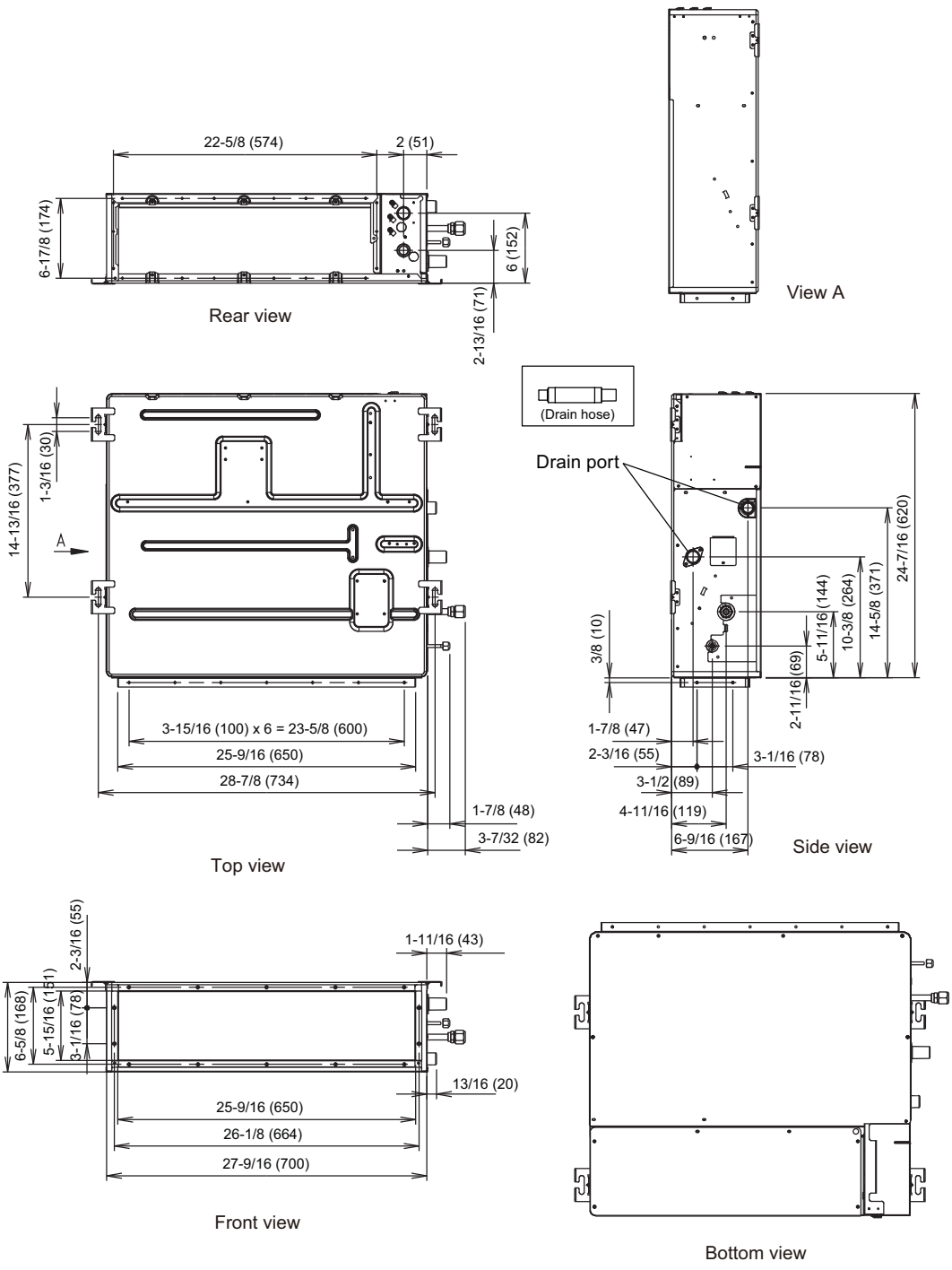
NOTES:

- To set “3-direction”, optional Air outlet shutter plate must be installed, and the “outlet-direction” need to be switched to “3-way” by remote controller.
  *When installing the indoor unit, be careful about the maintenance space.
- 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 Chapter 13-5. "Contents of function setting" on page 156.

4-2. Slim duct type

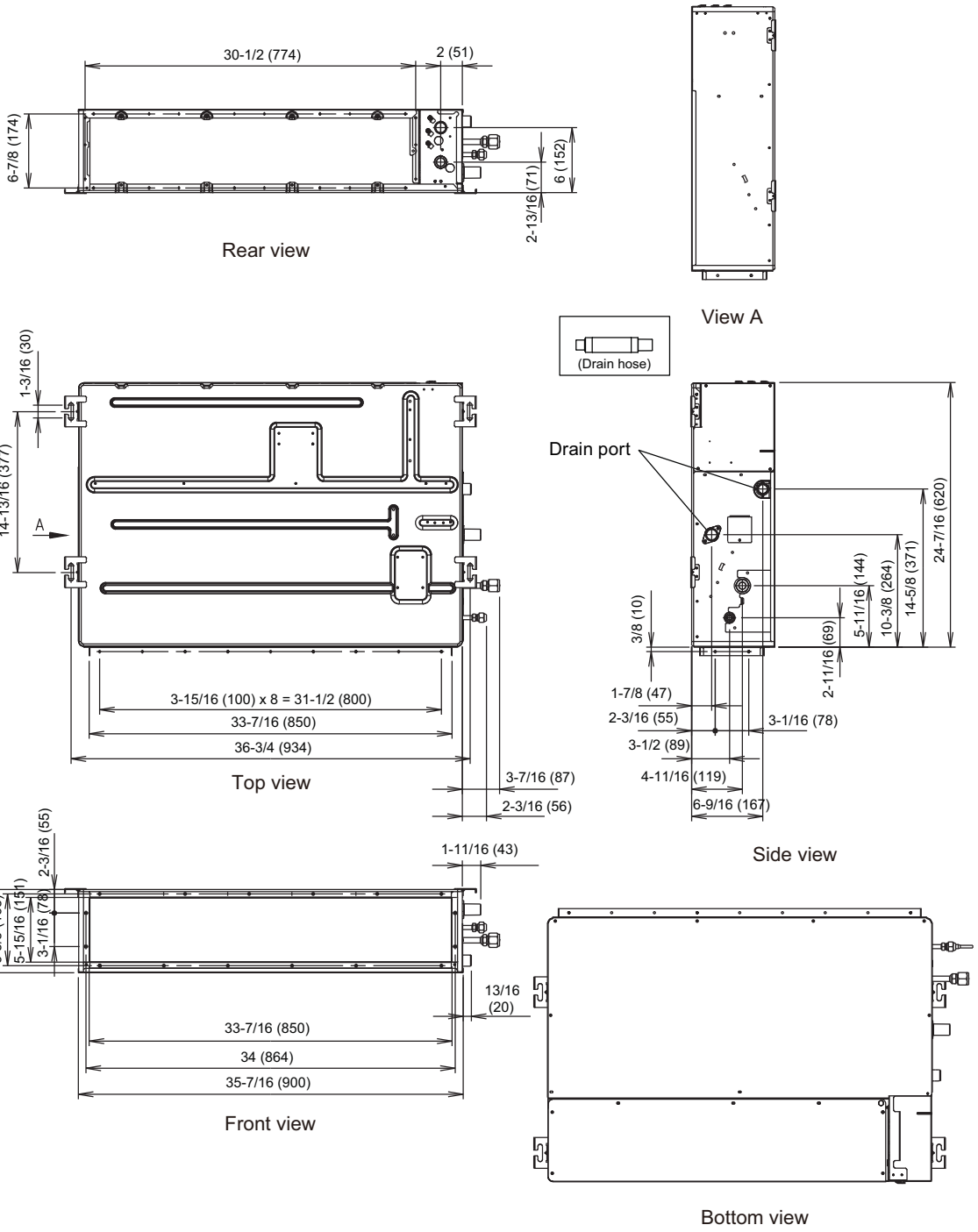
■ Models: RIDH7AVFJ, RIDH9AVFJ, and RIDH12AVFJ

Unit: in (mm)



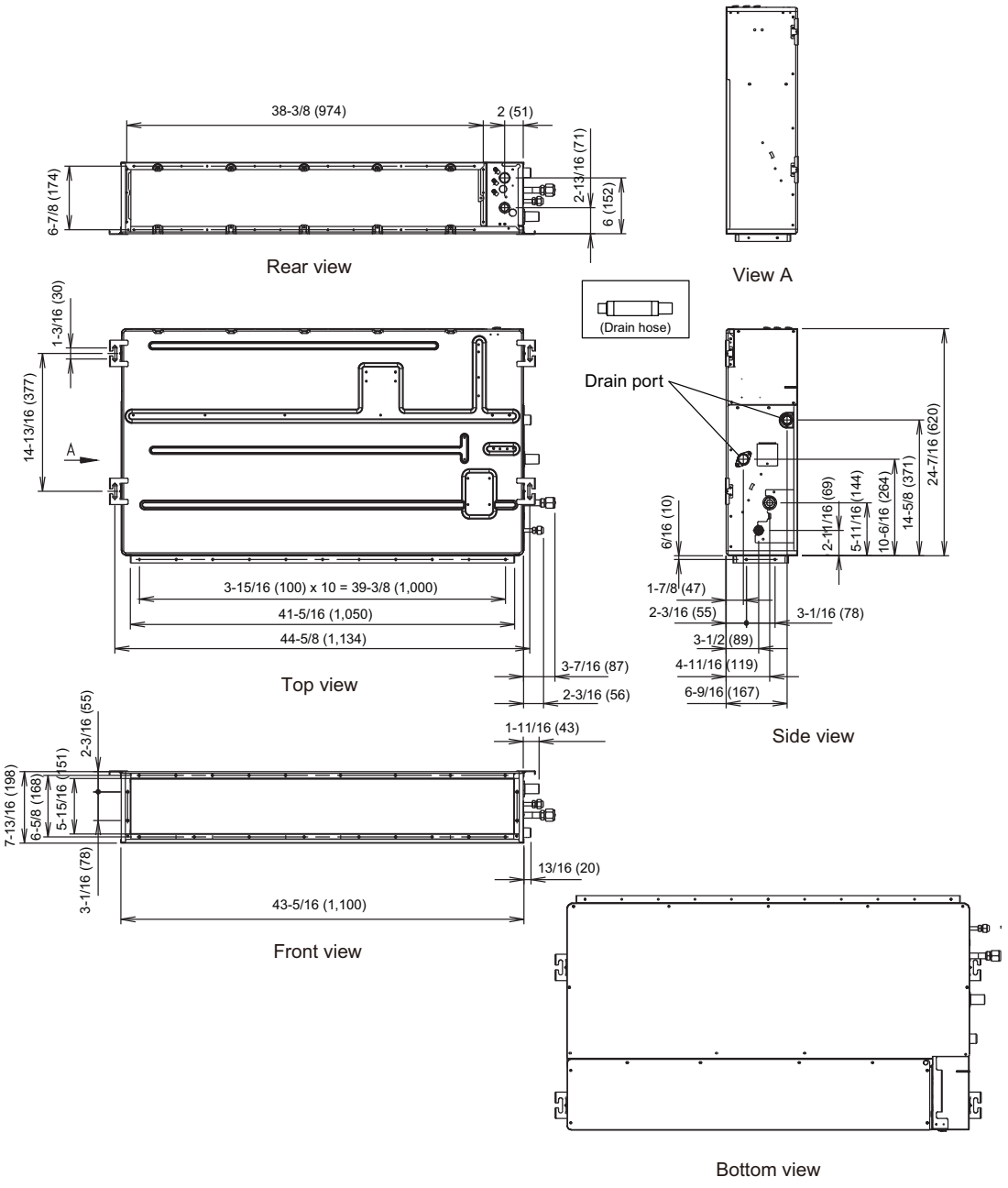
■ Model: RIDH18AVFJ

Unit: in (mm)



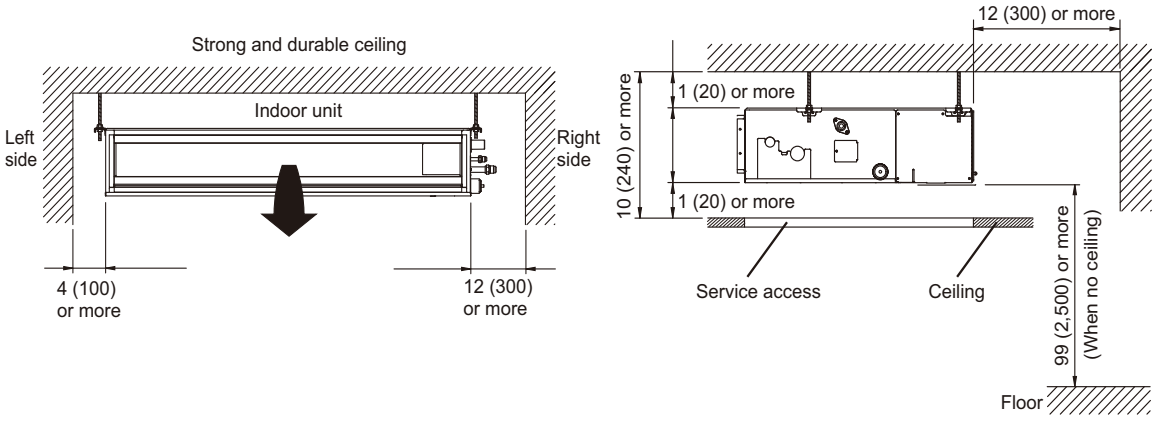
■ Model: RIDH24AVFJ

Unit: in (mm)

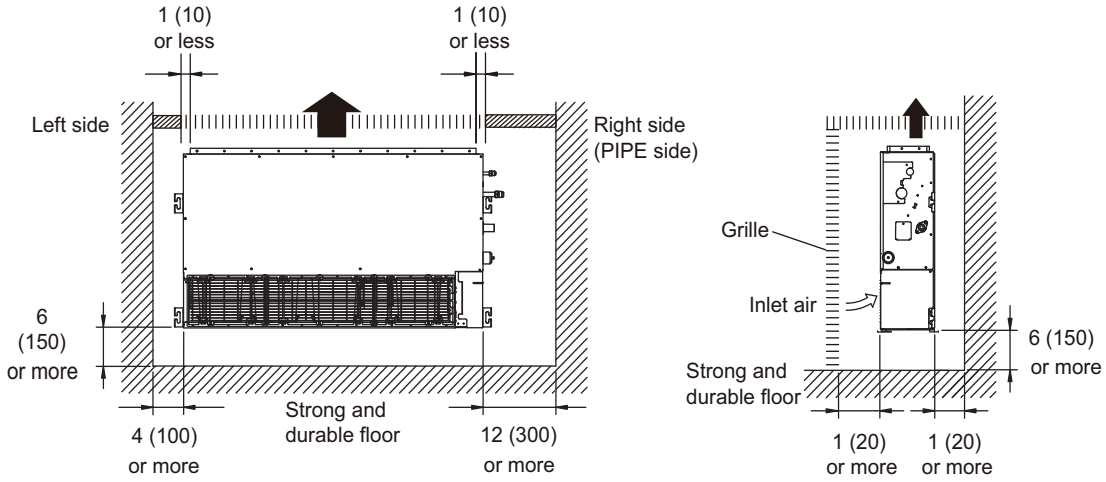


■ Installation space

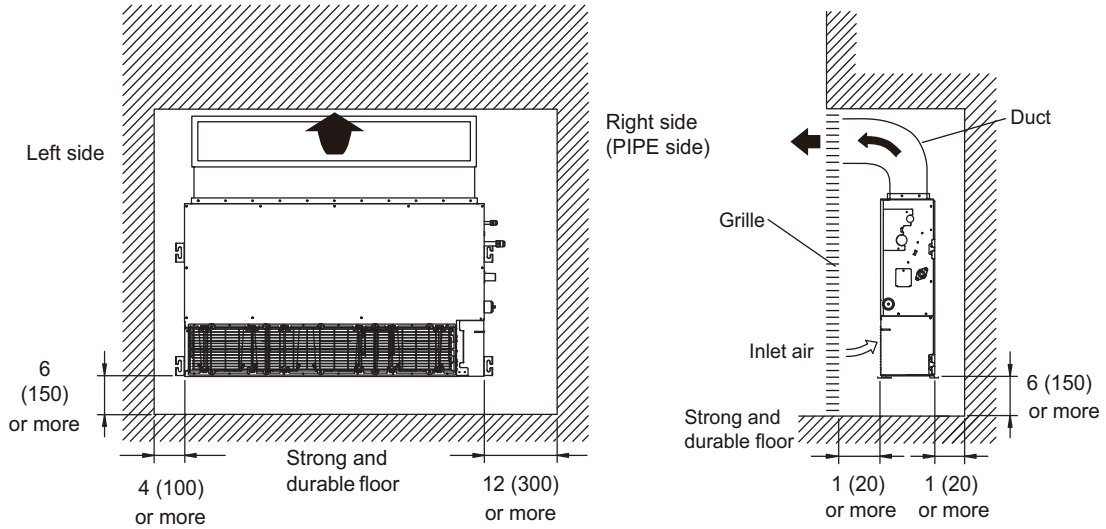
Unit: in (mm)



Unit: in (mm)



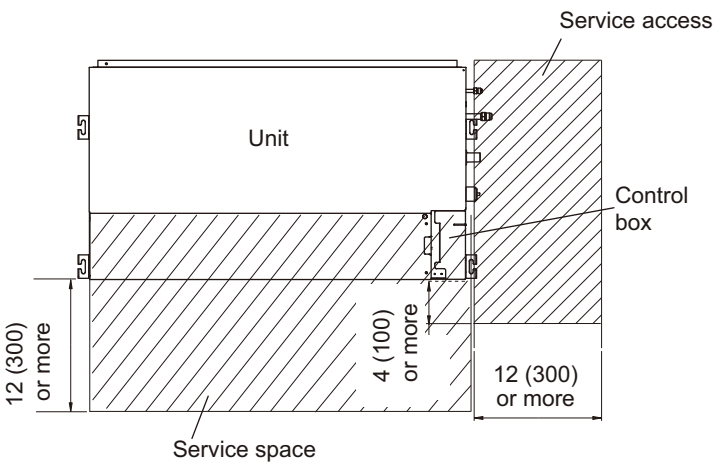
Unit: in (mm)



■ Maintenance space

Provide a service access for inspection purposes as shown below.
Do not place any wiring or illumination in the service space, as they will impede service.

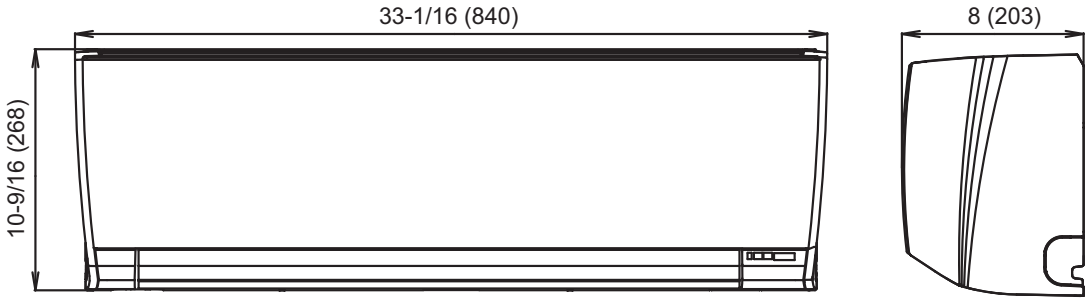
Unit: in (mm)

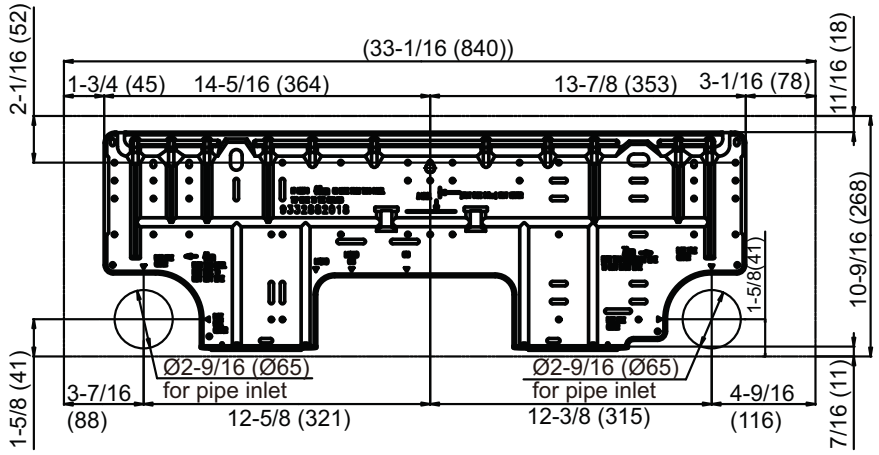


4-3. Wall mounted type

■ Models: RIWH7AVFJ, RIWH9AVFJ, RIWH12AVFJ, and RIWH15AVRFJ

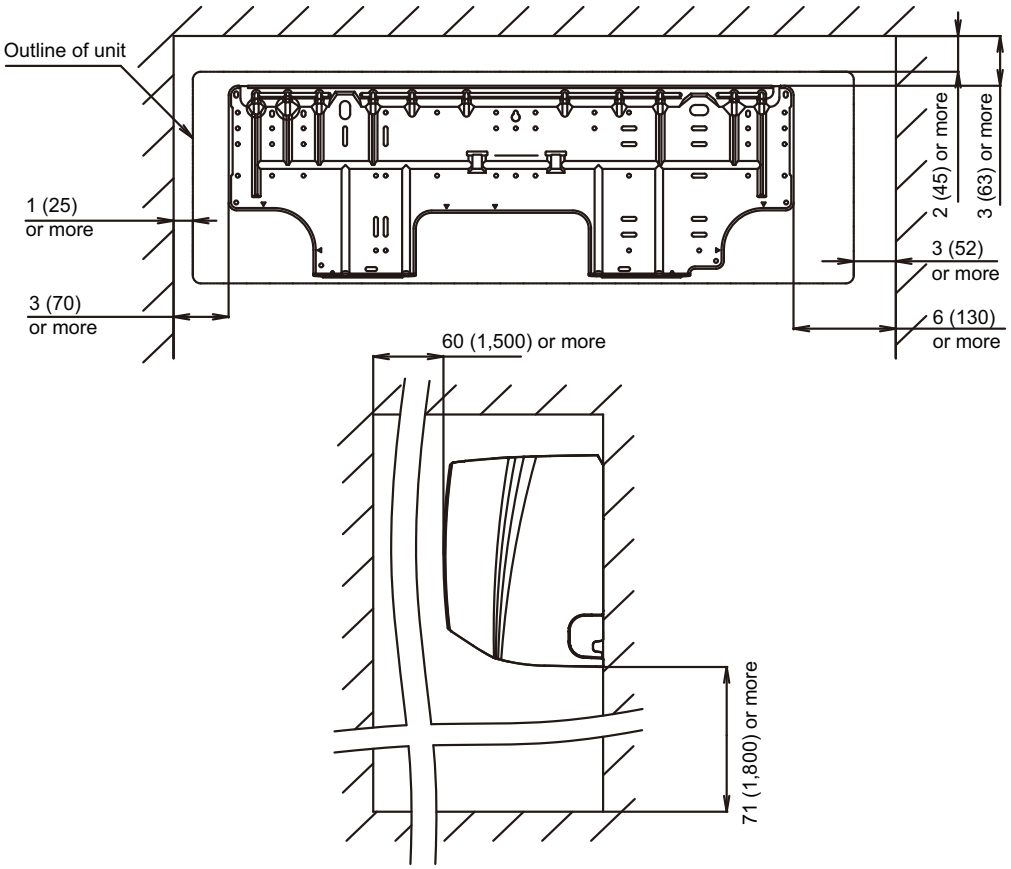
Unit: in (mm)





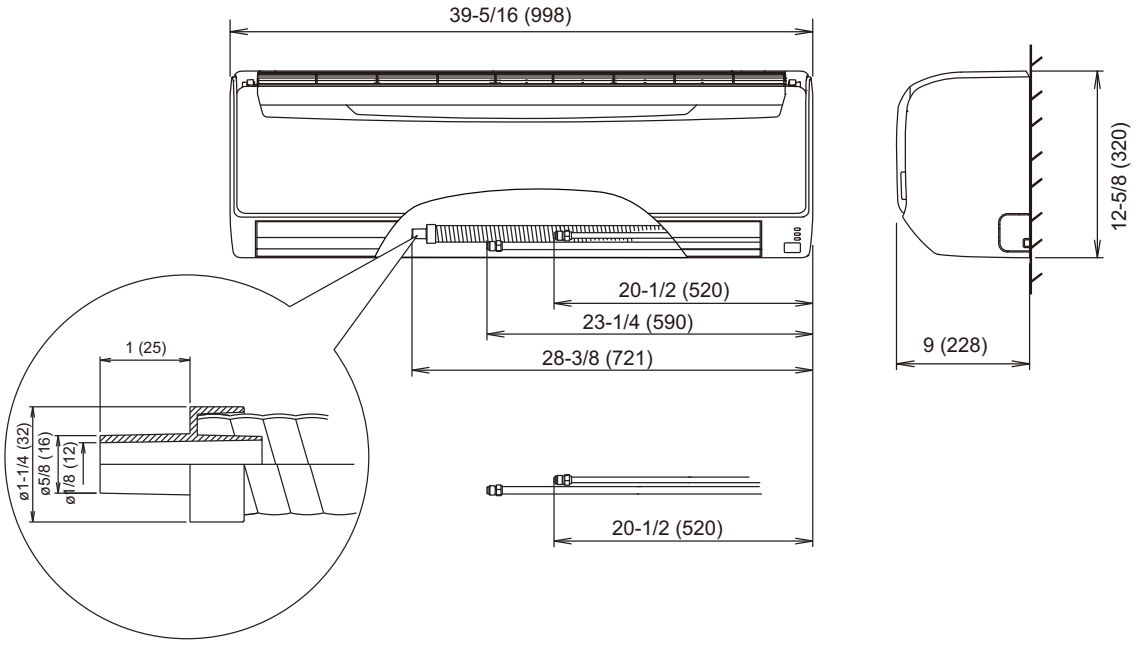
■ Installation space

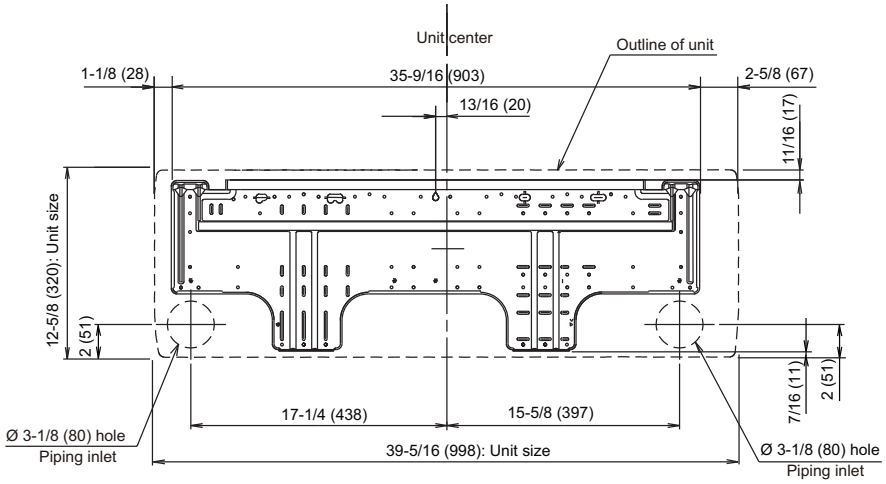
Unit: in (mm)



■ Models: RIWH18AVFJ and RIWH24AVFJ

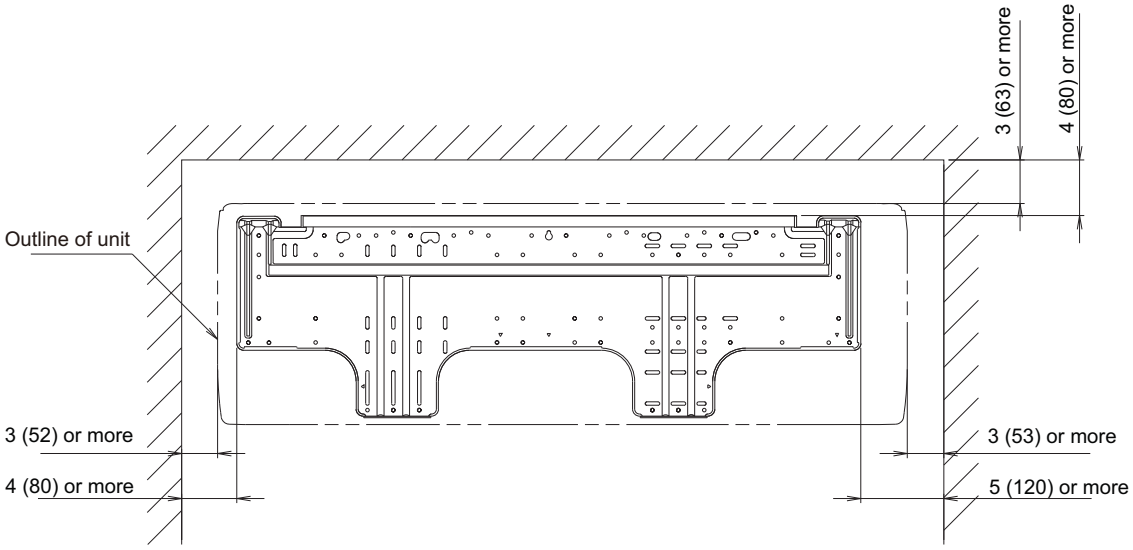
Unit: in (mm)

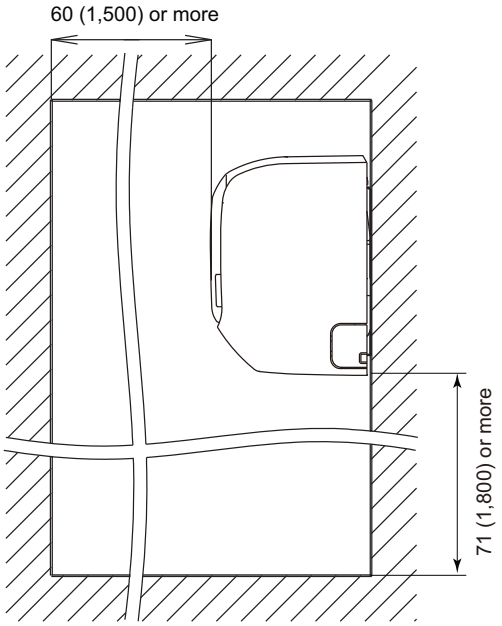




■ Installation space

Unit: in (mm)

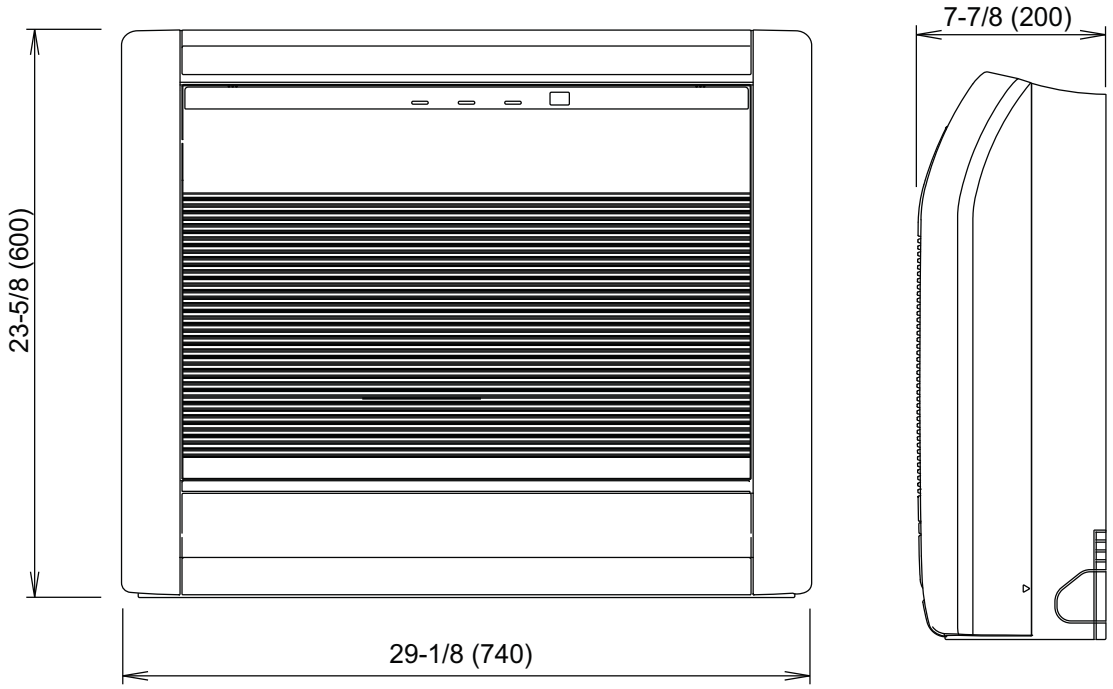




4-4. Floor type

■ Models: RIFH9AVFJ, RIFH12AVFJ, and RIFH15AVFJ

Unit: in (mm)

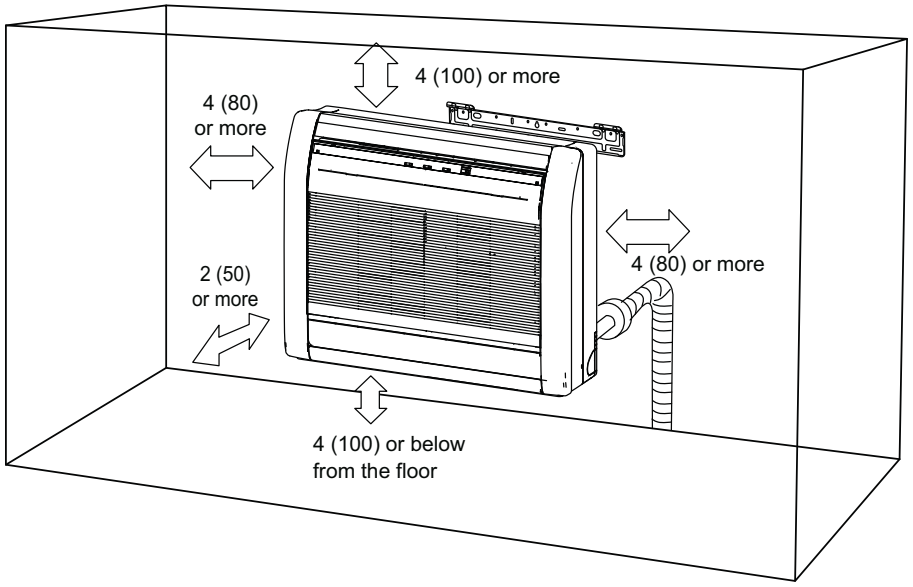


Front view

Side view

■ Installation space

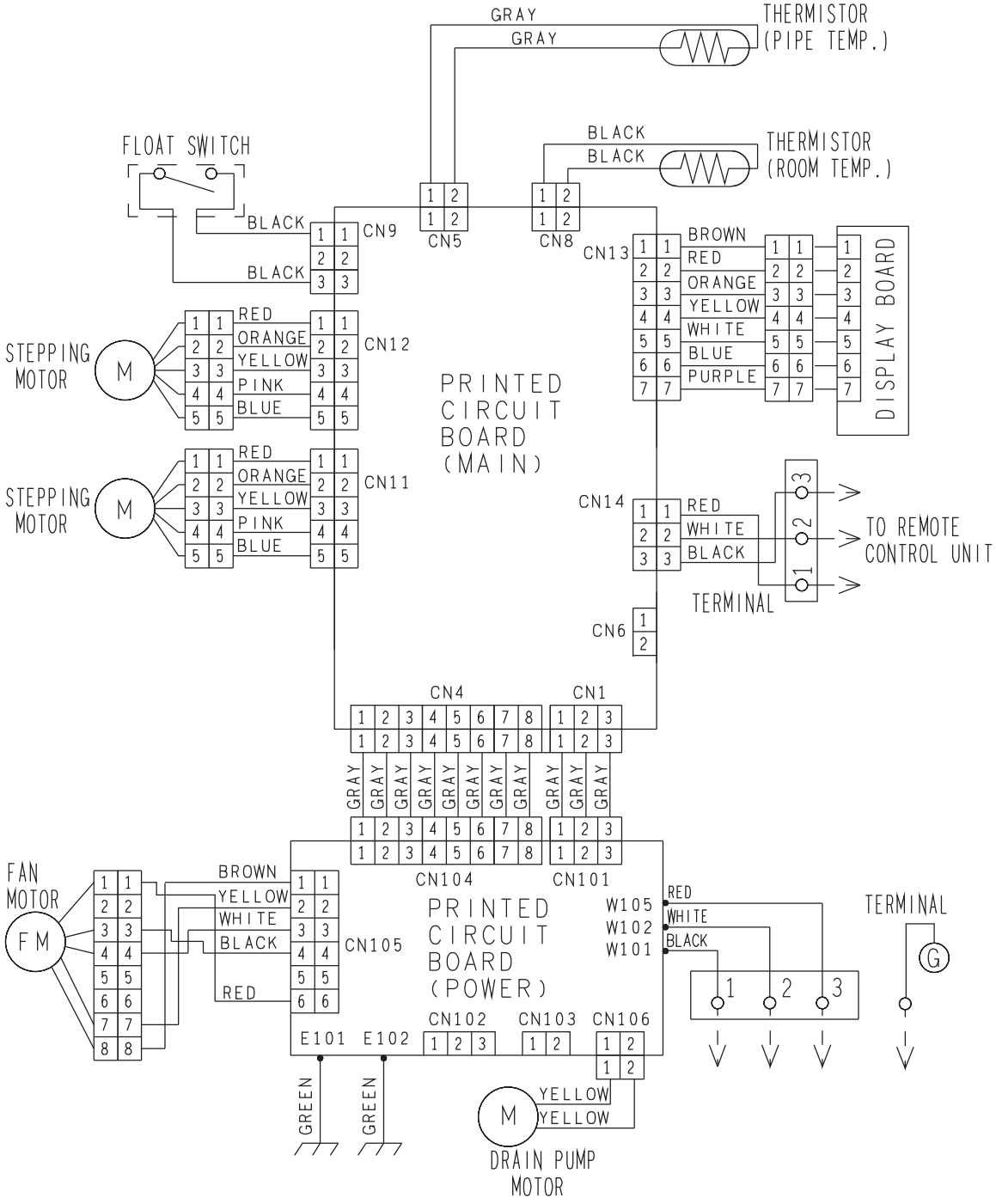
Unit: in (mm)



5. Wiring diagrams

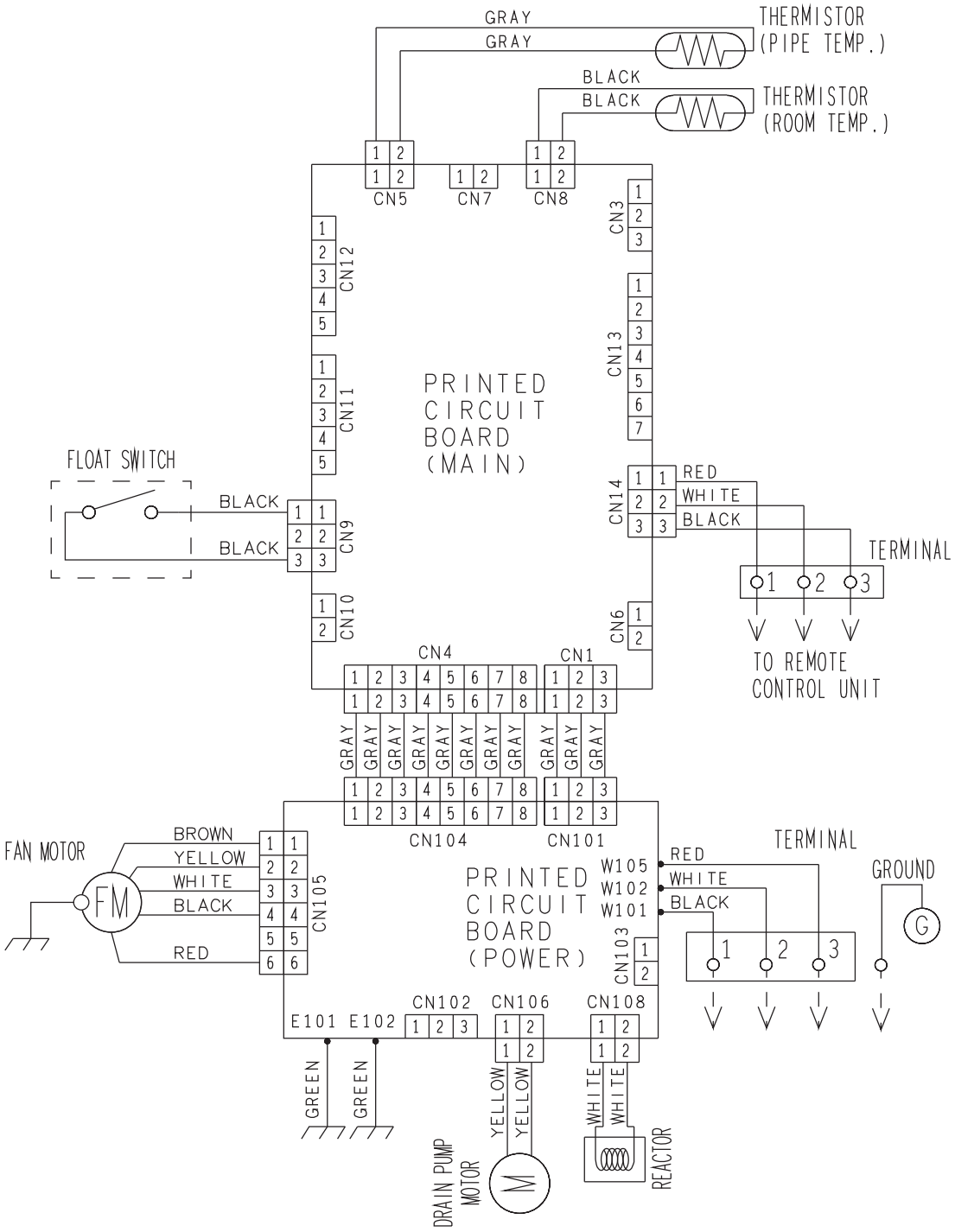
5-1. Compact cassette type

■ Models: RICH7AVFJ, RICH9AVFJ, RICH12AVFJ, and RICH18AVFJ



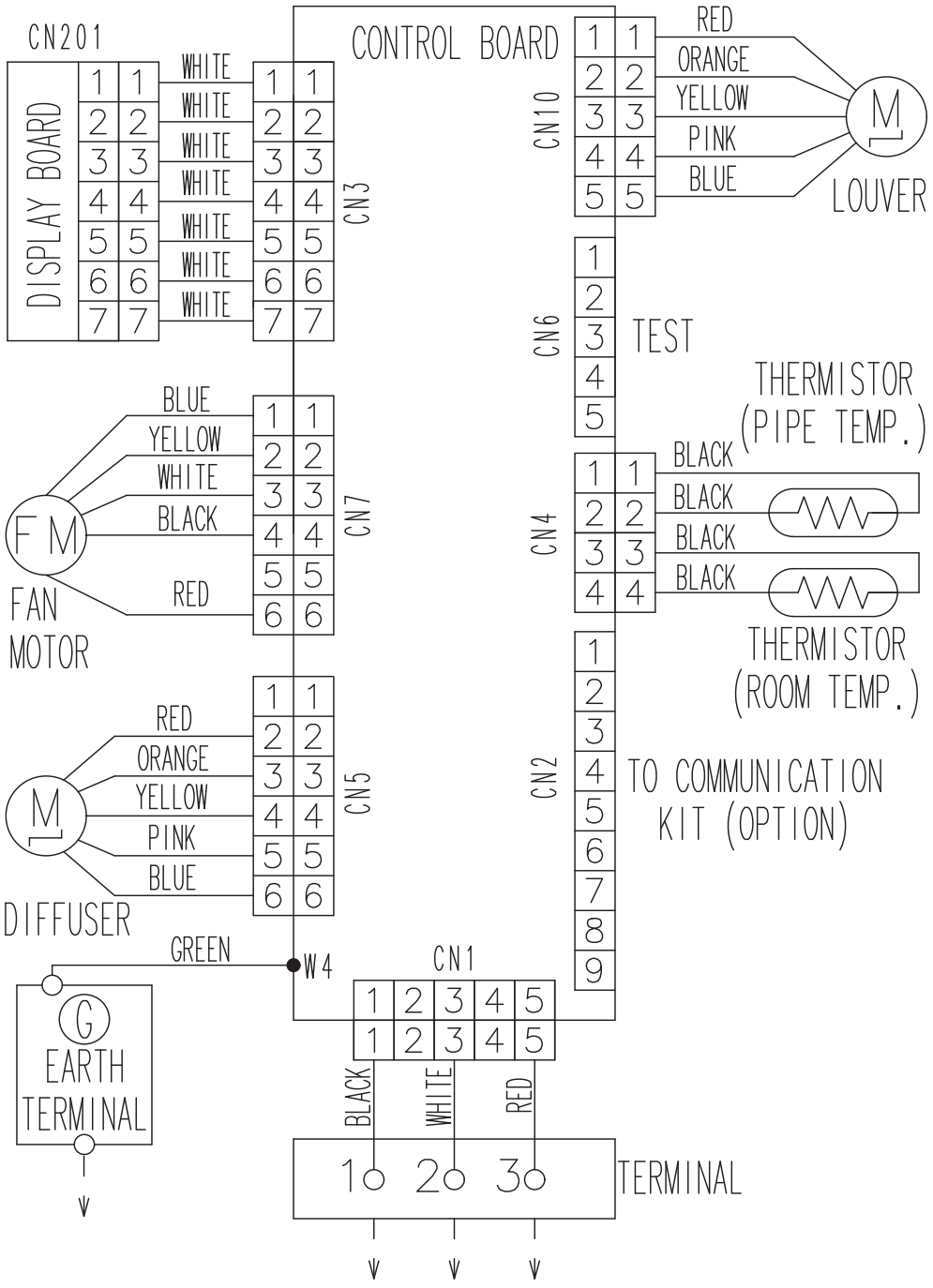
5-2. Slim duct type

■ Models: RIDH7AVFJ, RIDH9AVFJ, RIDH12AVFJ, RIDH18AVFJ, and RIDH24AVFJ

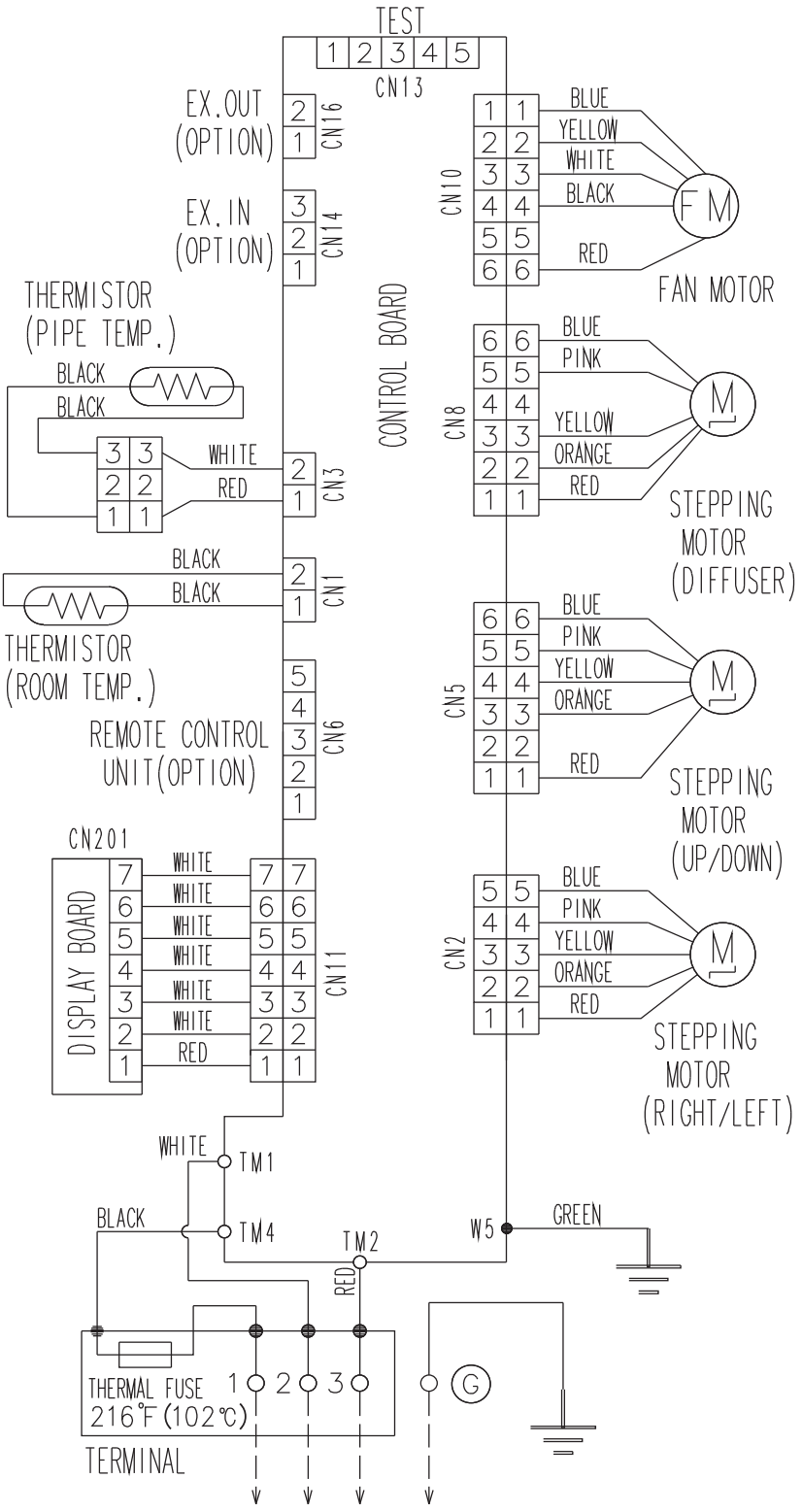


5-3. Wall mounted type

■ Models: RIWH7AVFJ, RIWH9AVFJ, RIWH12AVFJ, and RIWH15AVFJ

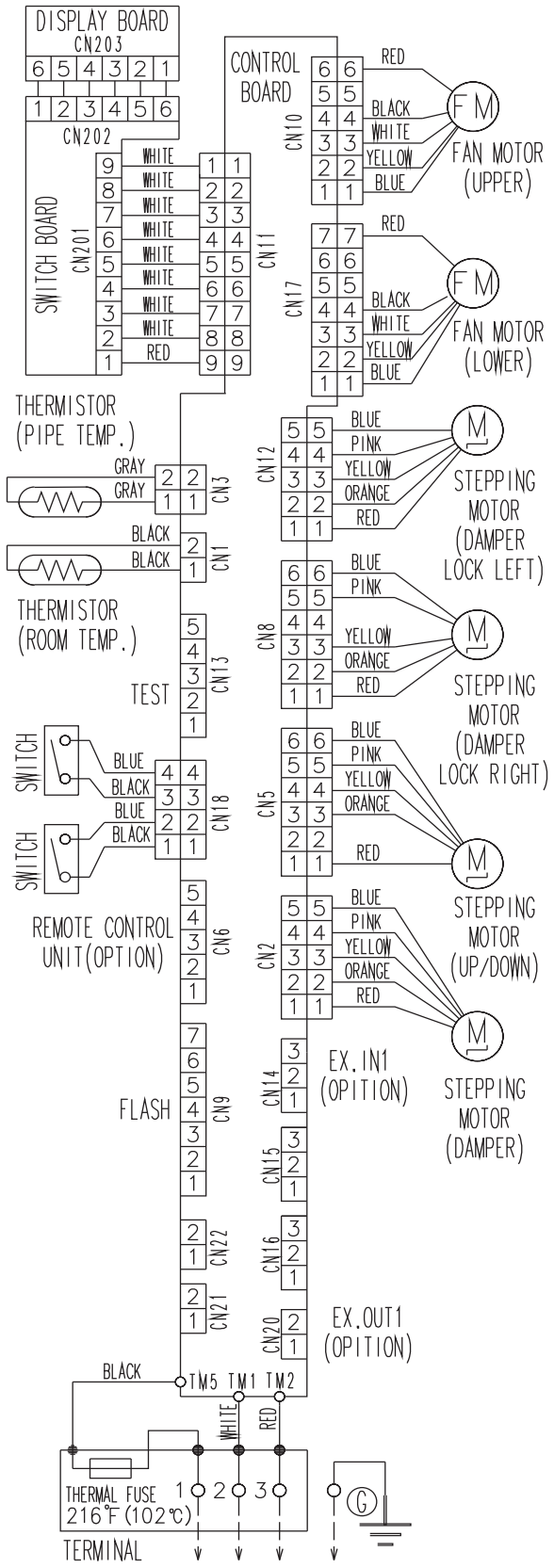


■ Models: RIWH18AVFJ and RIWH24AVFJ



5-4. Floor type

■ Models: RIFH9AVFJ, RIFH12AVFJ, and RIFH15AVFJ



6. Air velocity and temperature distributions

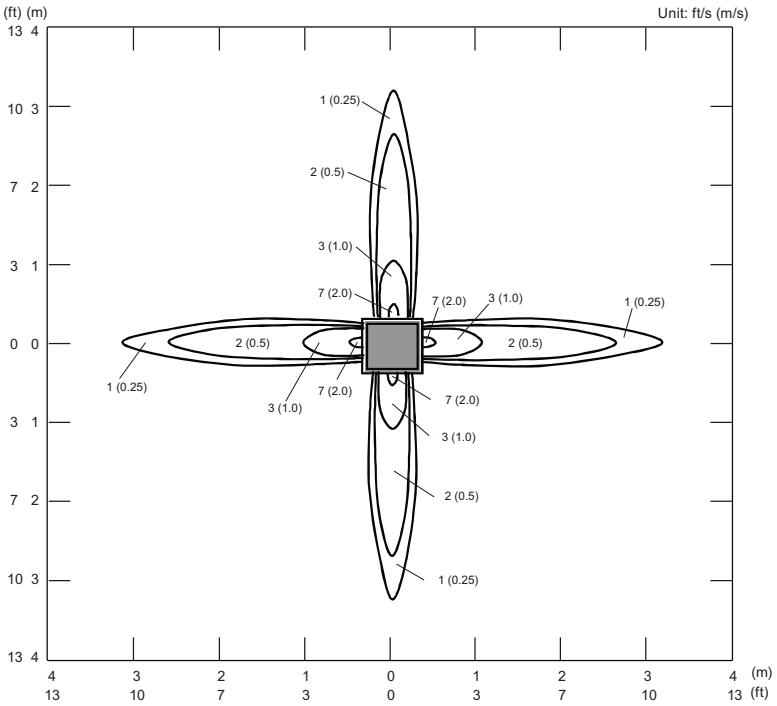
6-1. Compact cassette type

Models: RlCH7AVFJ and RlCH9AVFJ

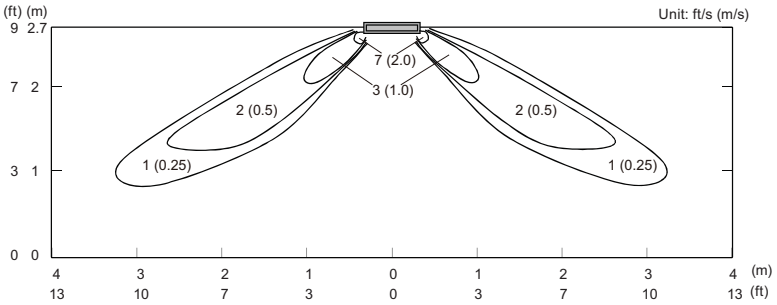
Air velocity distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

Top view
Vertical airflow direction louver: Up



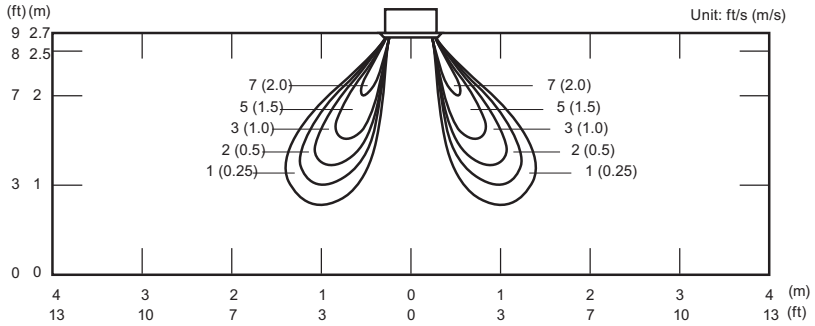
Side view
Vertical airflow direction louver: Up



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

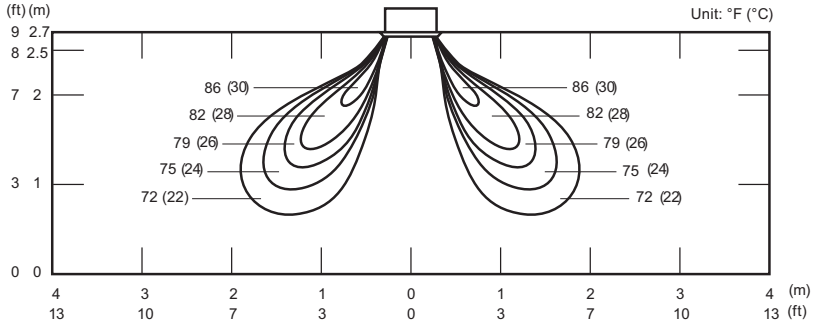
- Air velocity distribution

Side view
Vertical airflow direction louver: Down



- Air temperature distribution

Side view
Vertical airflow direction louver: Down

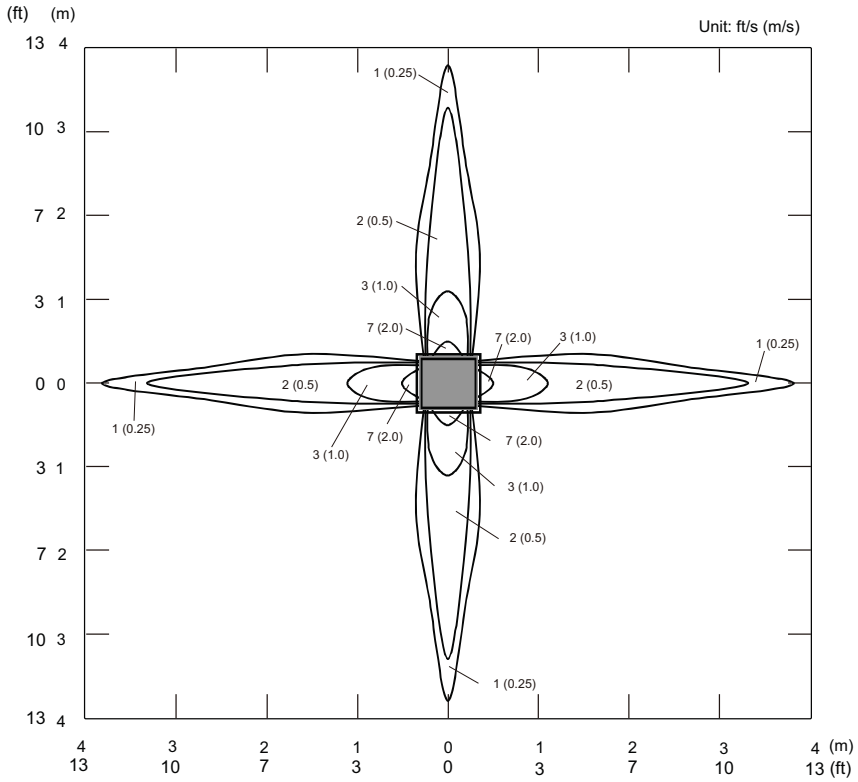


Model: RICH12AVFJ

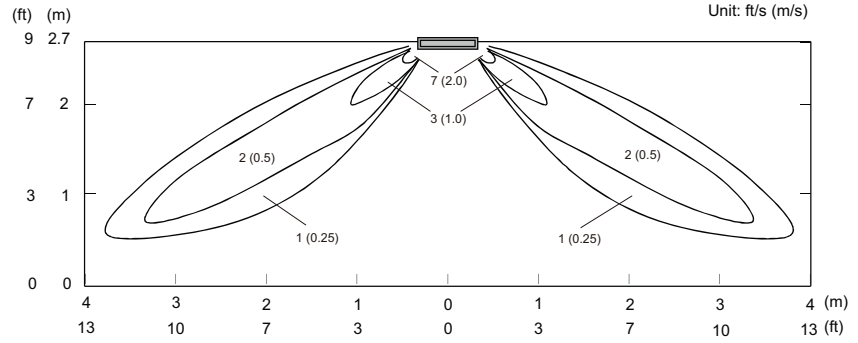
Air velocity distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

Top view
Vertical airflow direction louver: Up



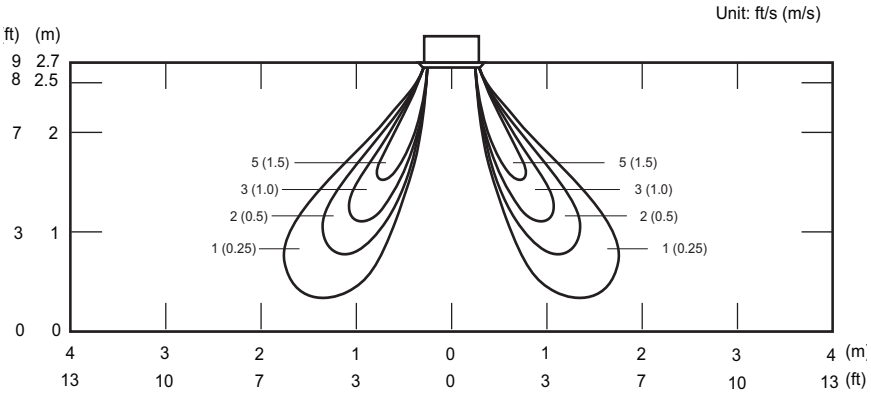
Side view
Vertical airflow direction louver: Up



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

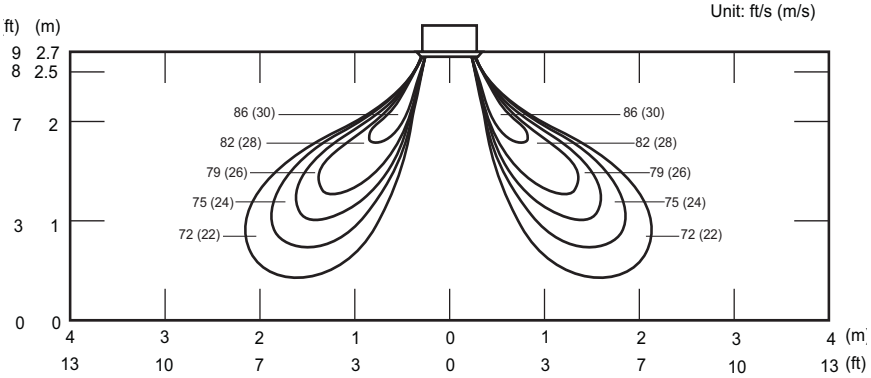
- Air velocity distribution

Side view
Vertical airflow direction louver: Down



- Air temperature distribution

Side view
Vertical airflow direction louver: Down

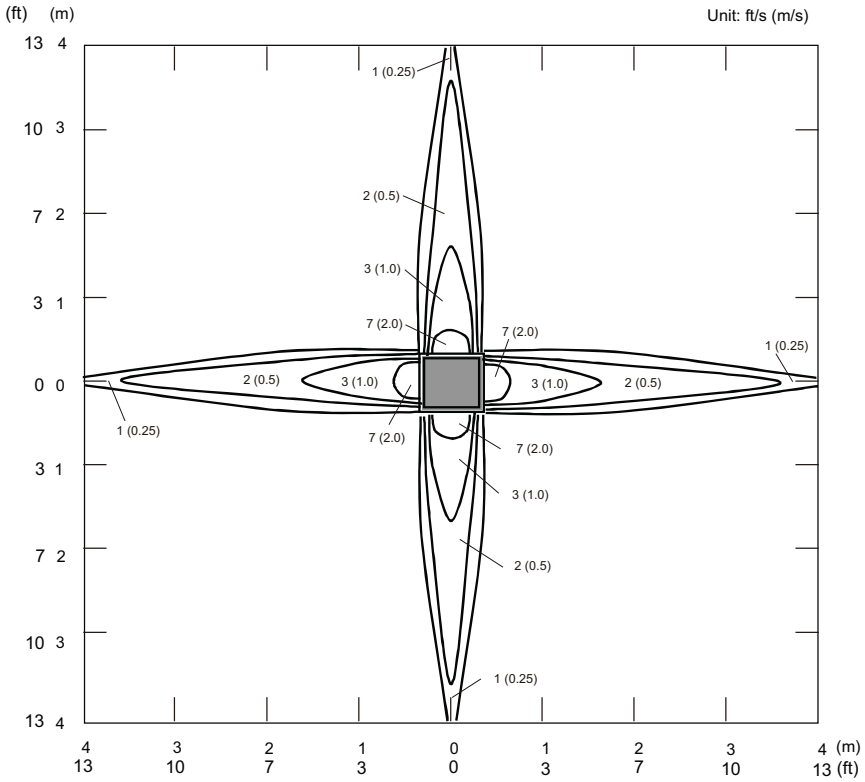


Model: RICH18AVFJ

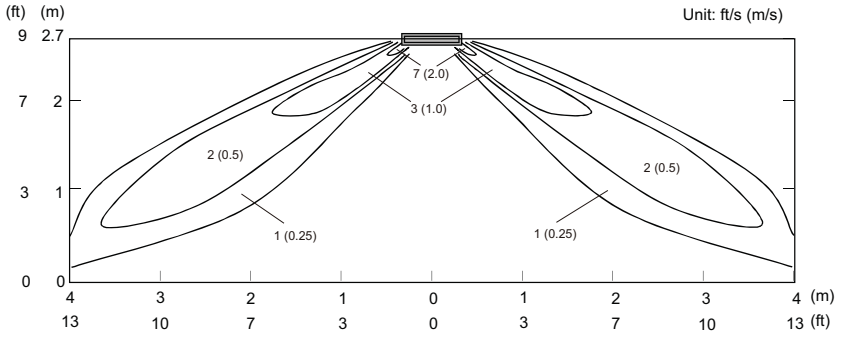
Air velocity distribution

Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

Top view
Vertical airflow direction louver: Up



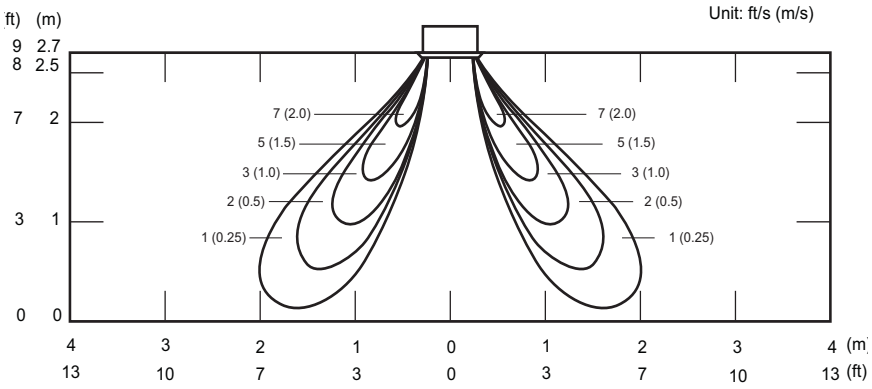
Side view
Vertical airflow direction louver: Up



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

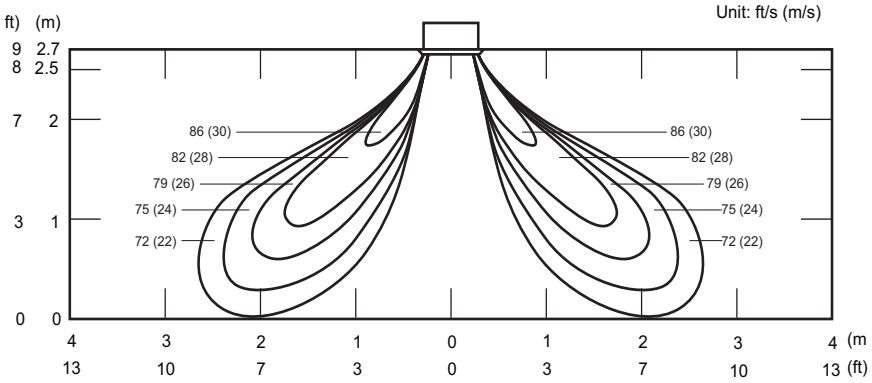
- Air velocity distribution

Side view
Vertical airflow direction louver: Down



- Air temperature distribution

Side view
Vertical airflow direction louver: Down



6-2. Slim duct type

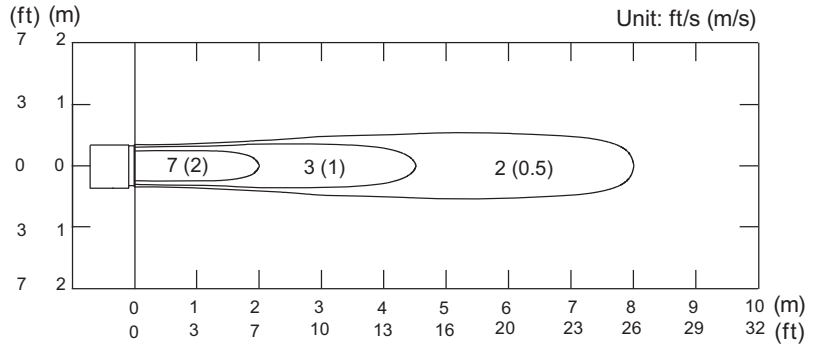
■ Model: RIDH7AVFJ

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

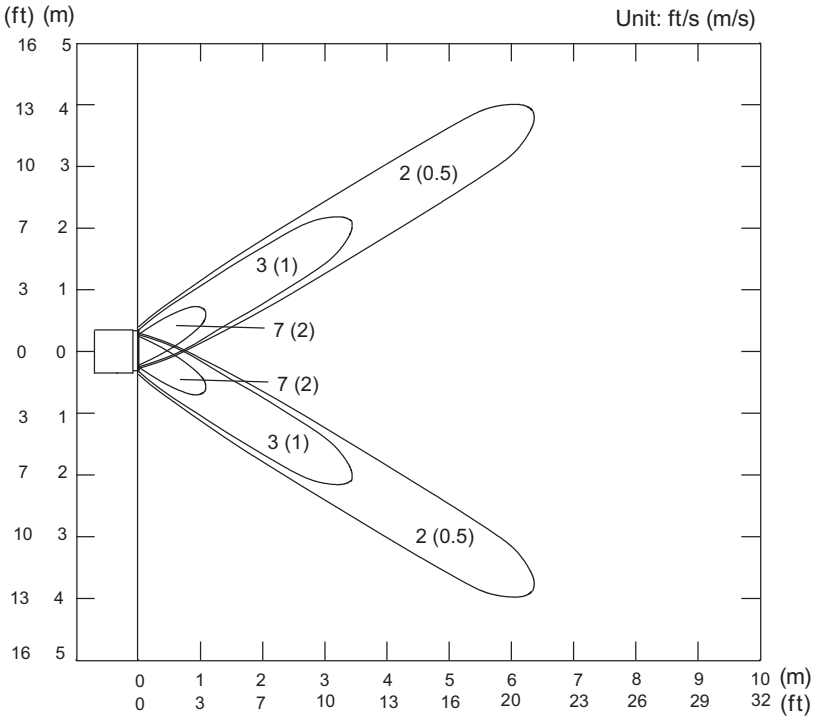
Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

- Air velocity distribution

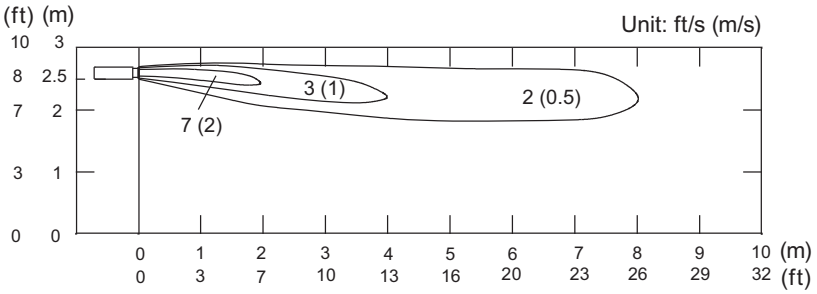
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Center



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



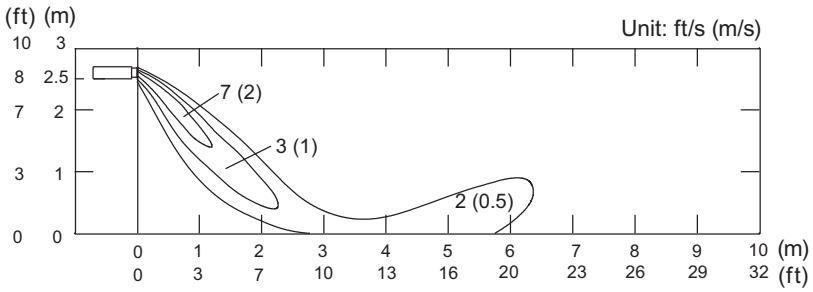
Side view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Center



Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT

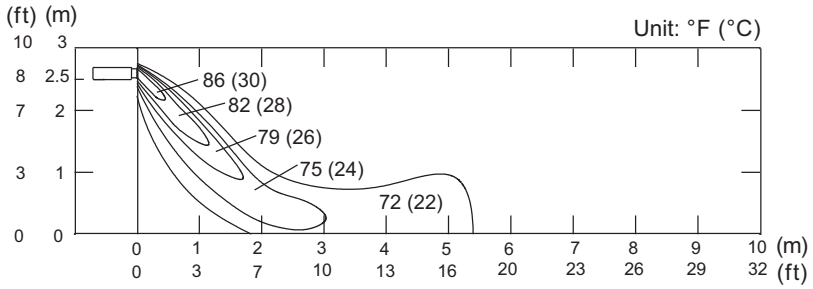
- Air velocity distribution

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



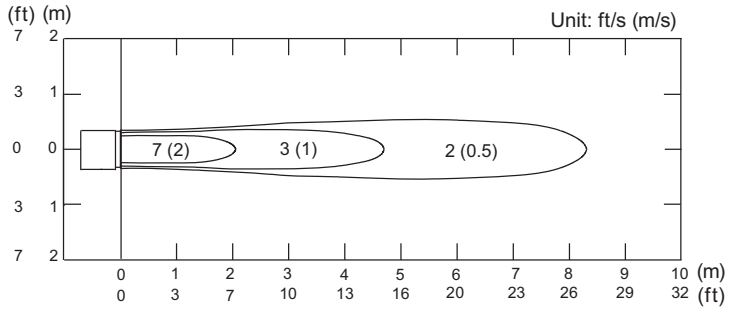
■ Model: RIDH9AVFJ

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

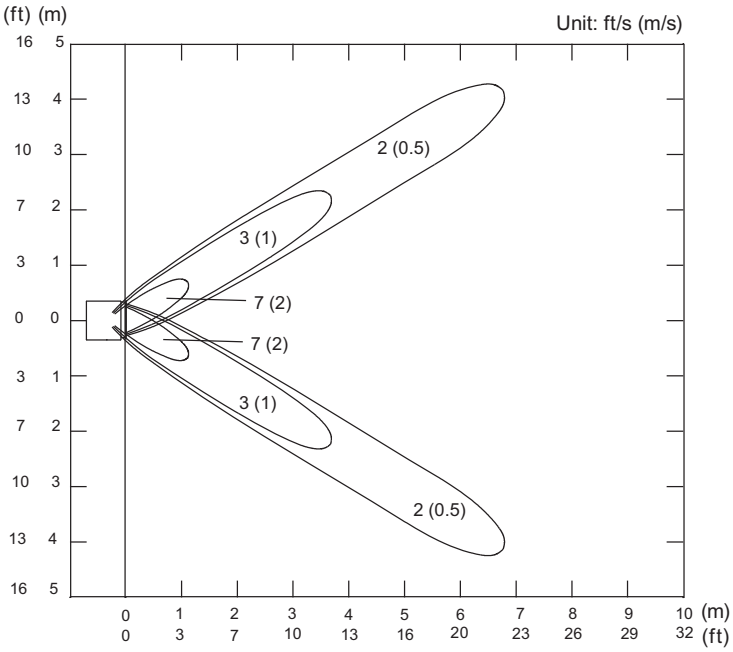
Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

- Air velocity distribution

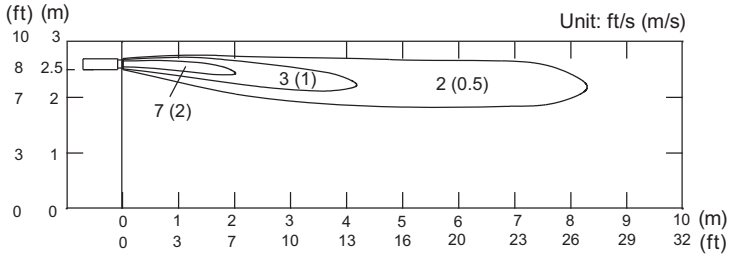
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Center



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



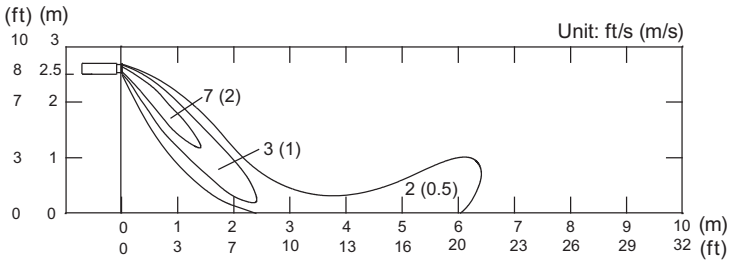
Side view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Center



Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT

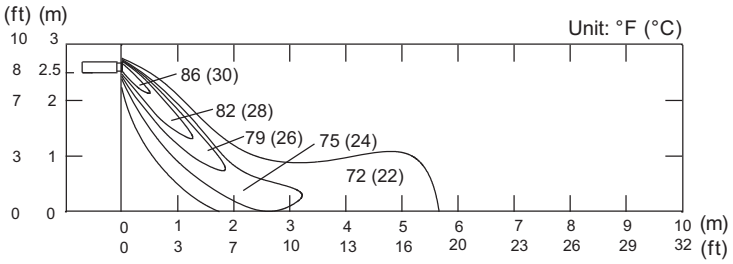
- Air velocity distribution

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



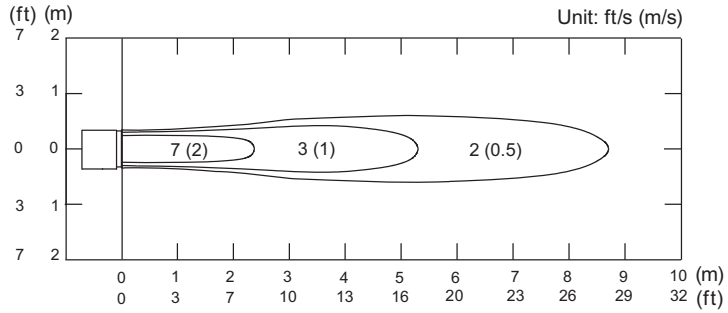
■ Model: RIDH12RLF

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

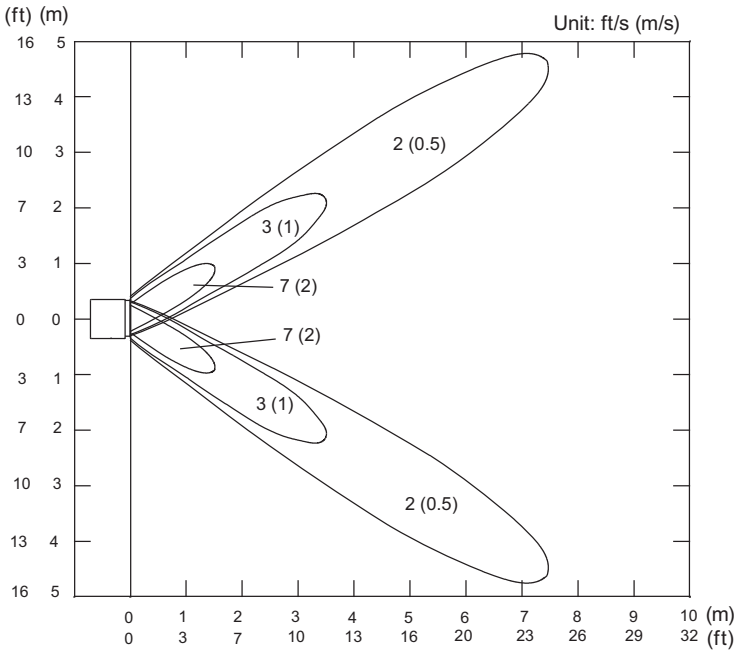
Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

- Air velocity distribution

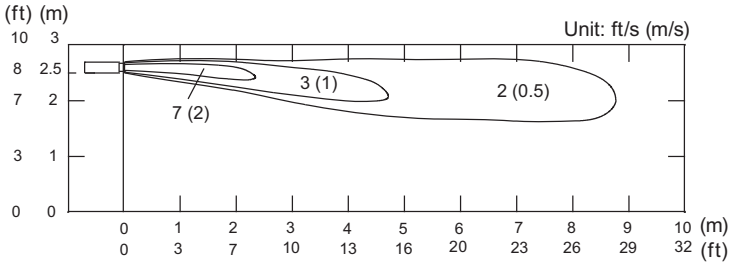
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Center



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



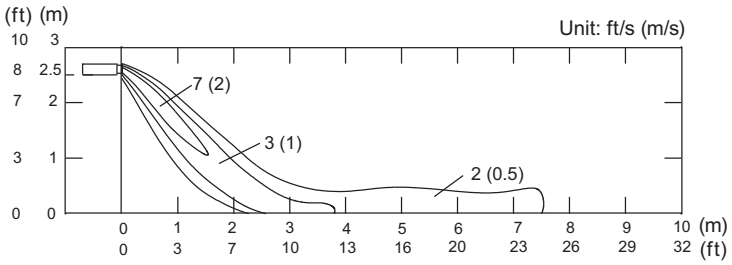
Side view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Center



Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT

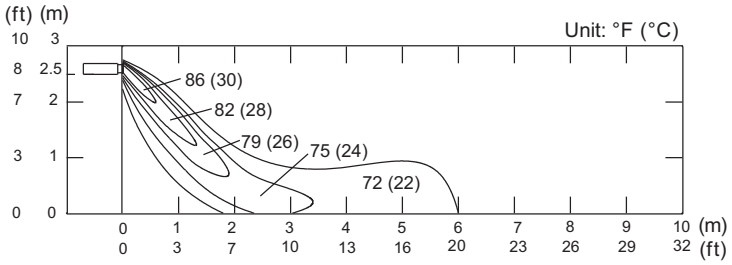
- Air velocity distribution

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



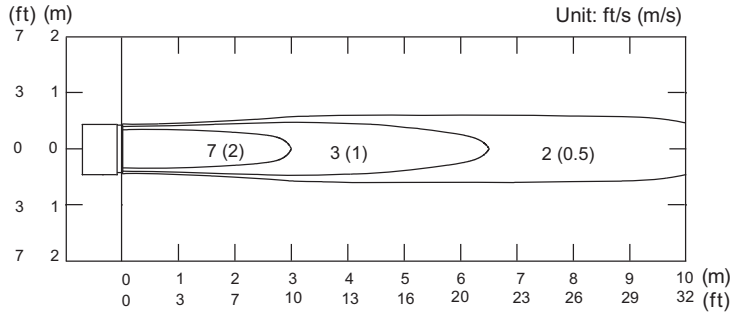
■ Model: RIDH18AVFJ

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

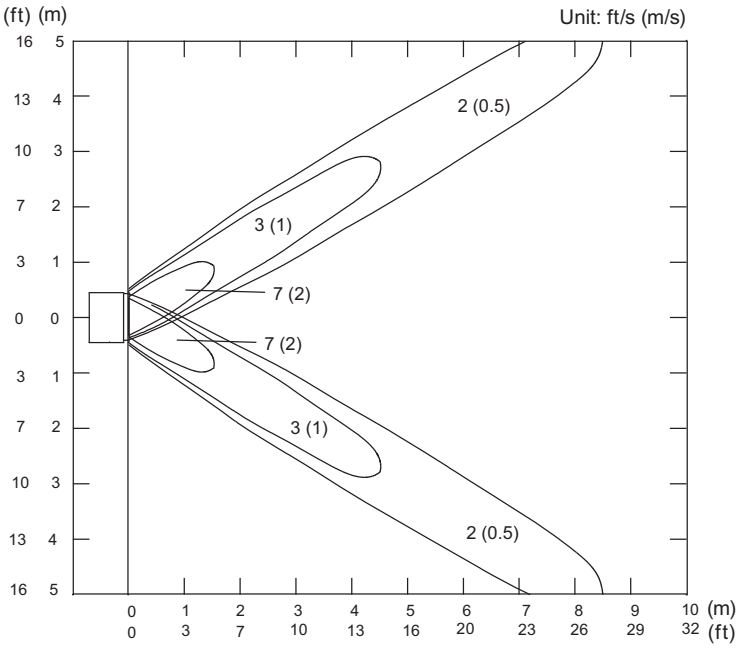
Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

- Air velocity distribution

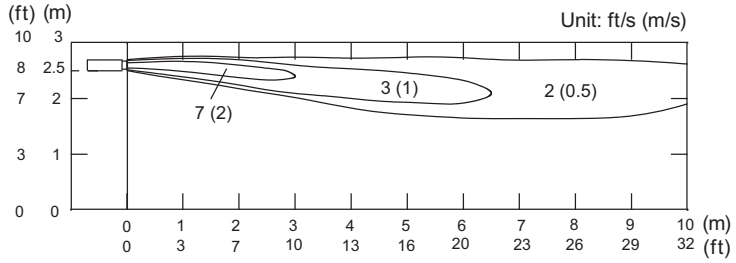
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Center



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



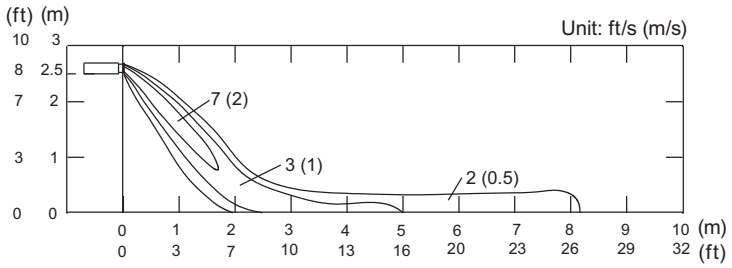
Side view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Center



Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT

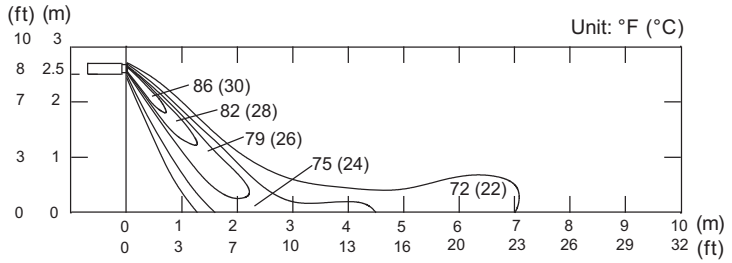
- Air velocity distribution

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



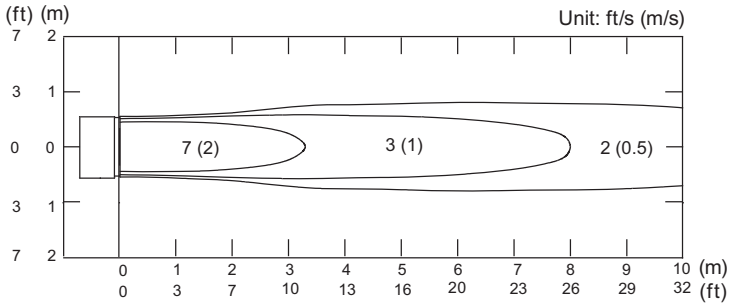
■ Model: RIDH24AVFJ

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

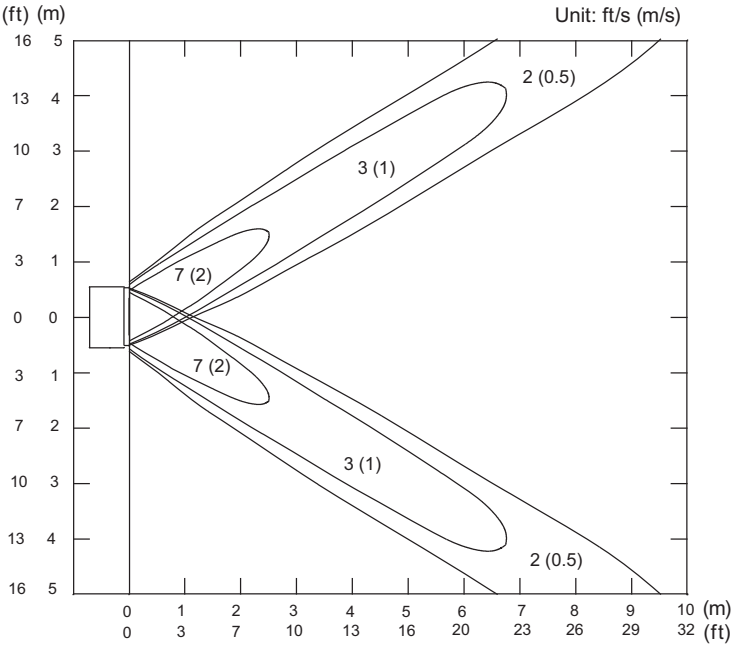
Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

- Air velocity distribution

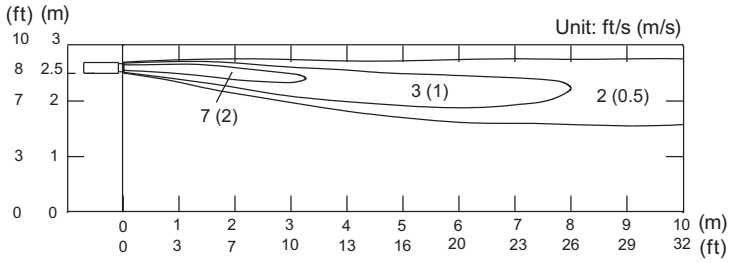
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Center



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



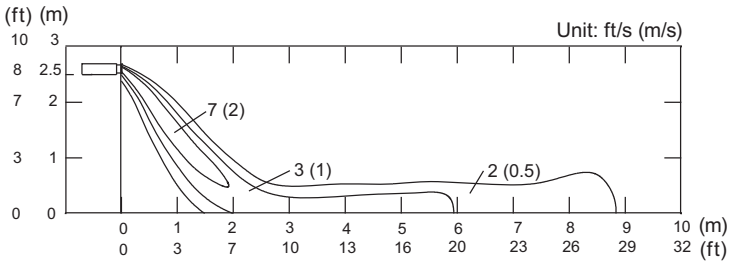
Side view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Center



Measuring conditions	Fan speed	Operation mode
	HIGH	HEAT

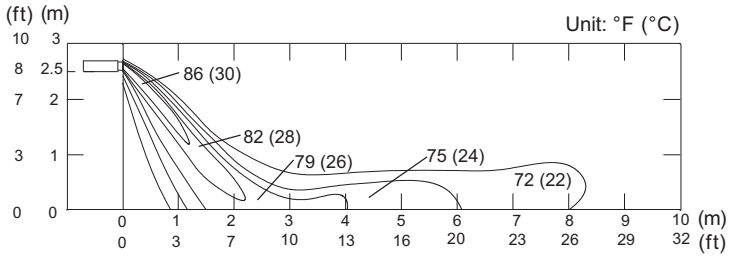
- Air velocity distribution

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

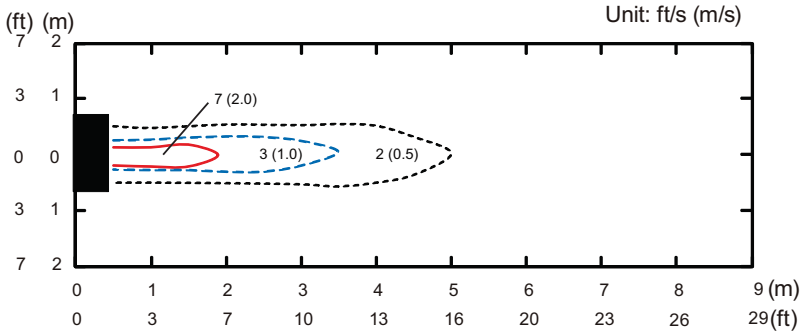


6-3. Wall mounted type

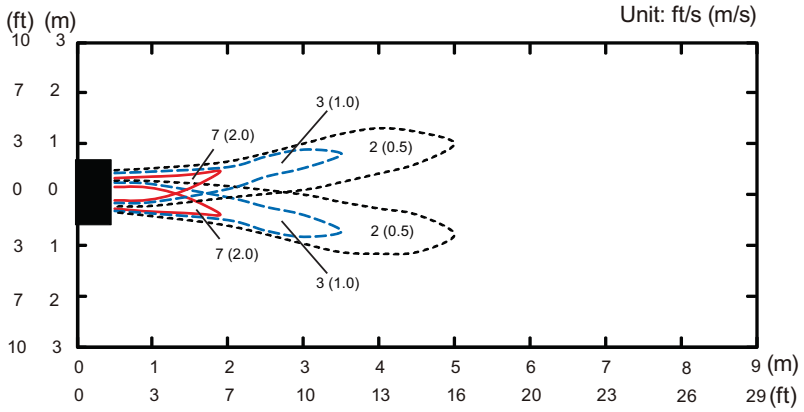
■ Model: RlWH7AVFJ

Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

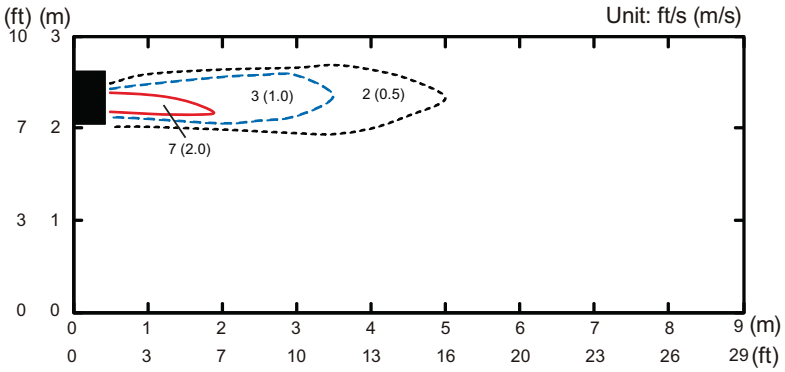
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Center



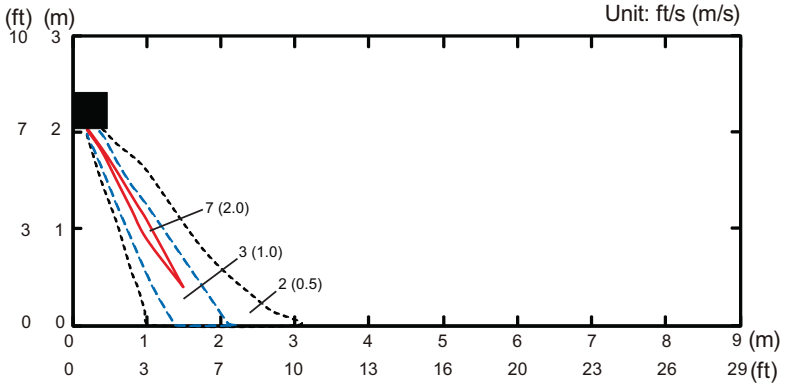
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Left & Right



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



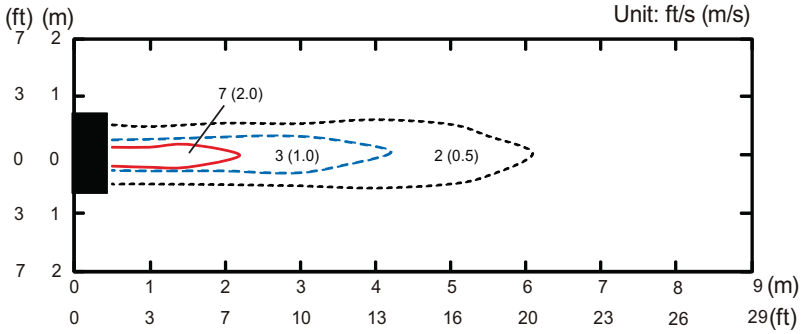
Side view
Vertical airflow direction louver: Down
Horizontal airflow direction louver: Center



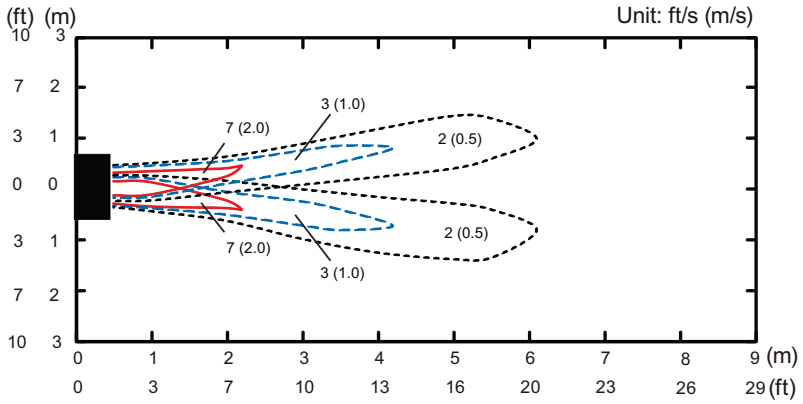
■ Model: RIWH9AVFJ

Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

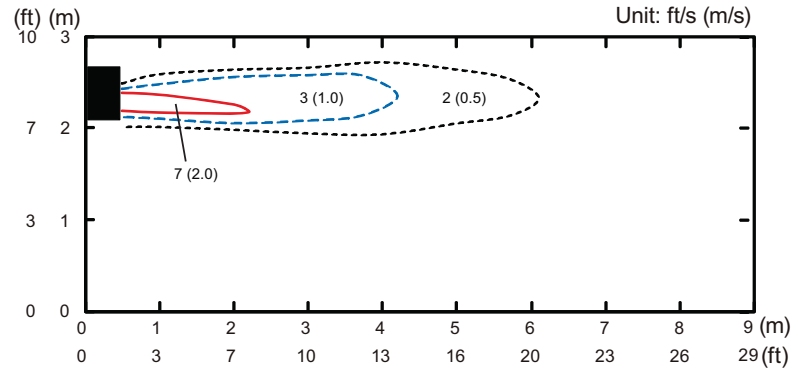
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Center



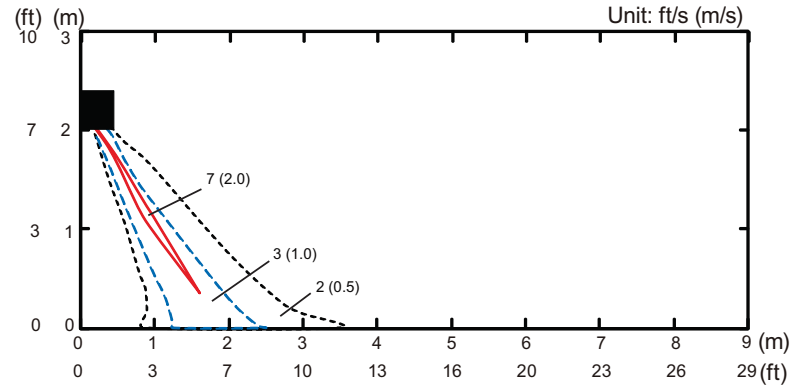
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Left & Right



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



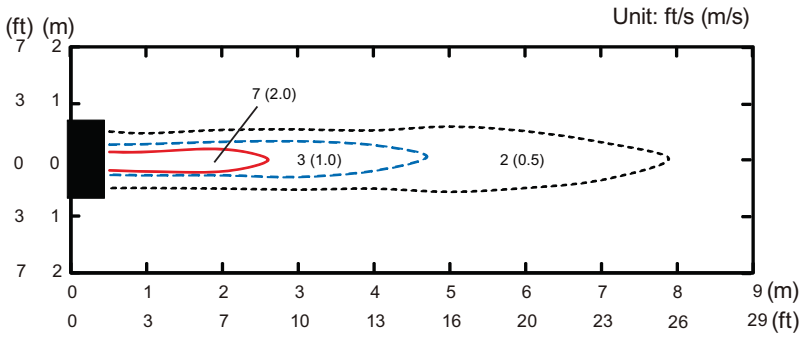
Side view
Vertical airflow direction louver: Down
Horizontal airflow direction louver: Center



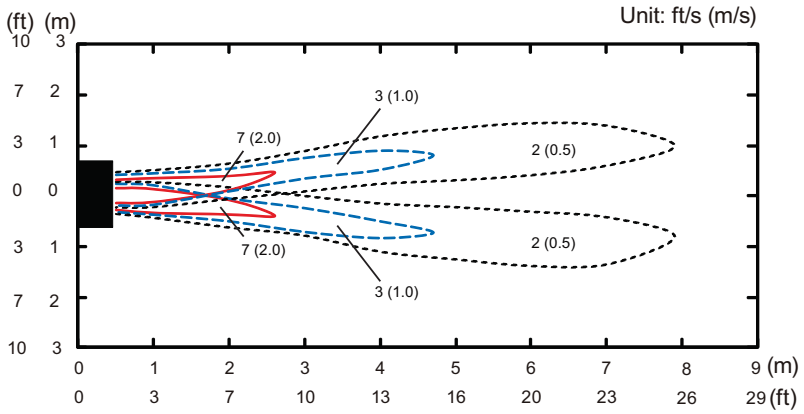
Model: RlWH12AVFJ

Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

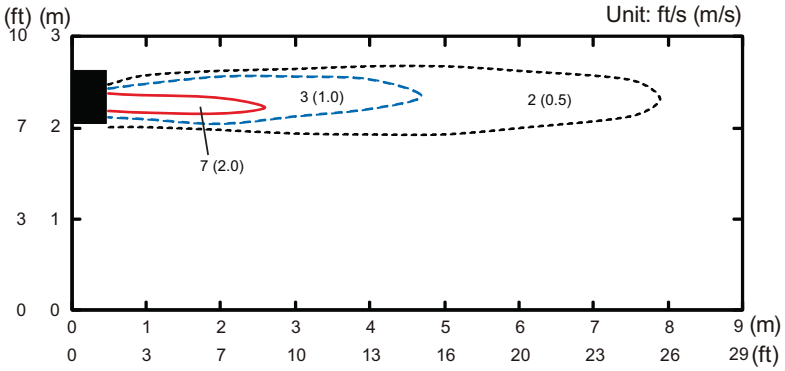
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Center



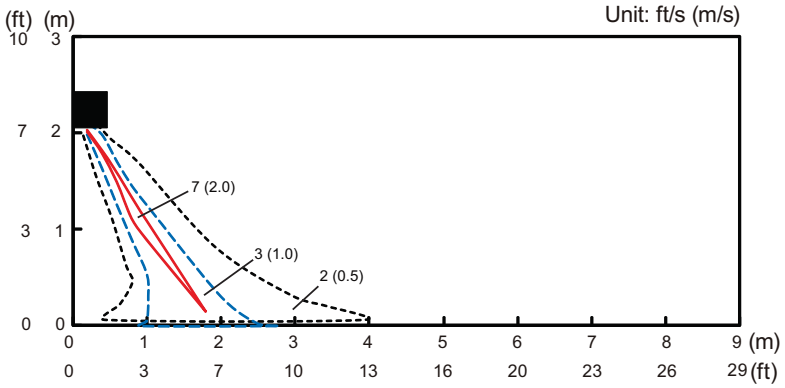
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Left & Right



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



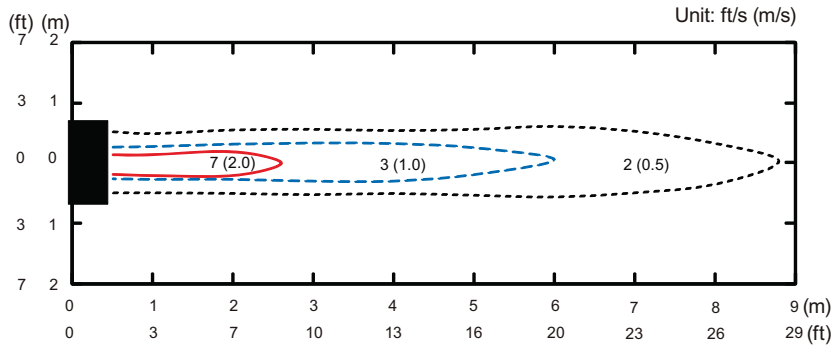
Side view
Vertical airflow direction louver: Down
Horizontal airflow direction louver: Center



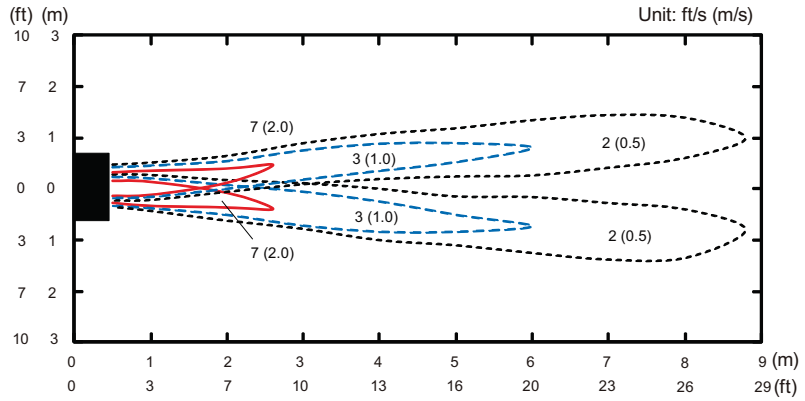
■ Model: RIWH15AVFJ

Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

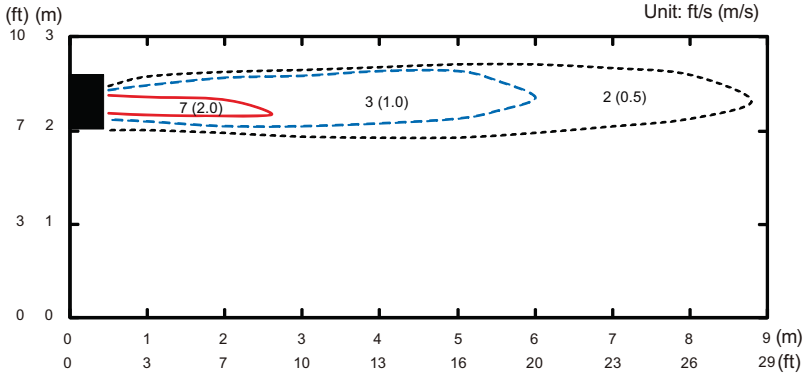
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Center



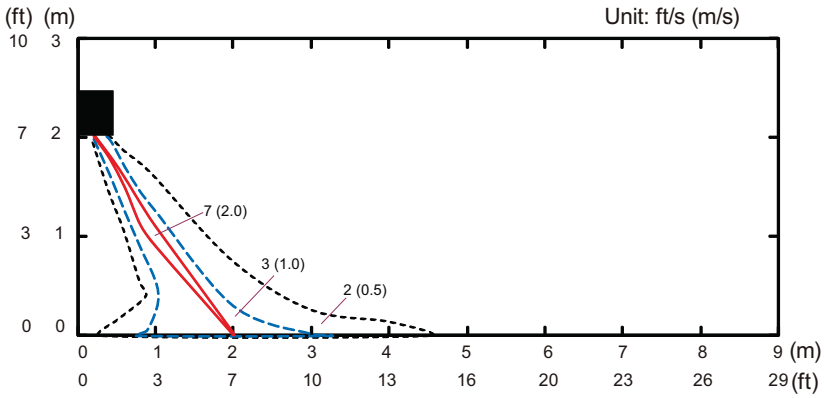
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Left & Right



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



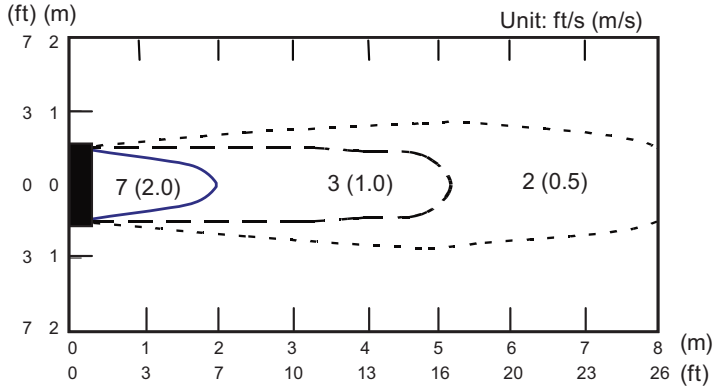
Side view
Vertical airflow direction louver: Down
Horizontal airflow direction louver: Center



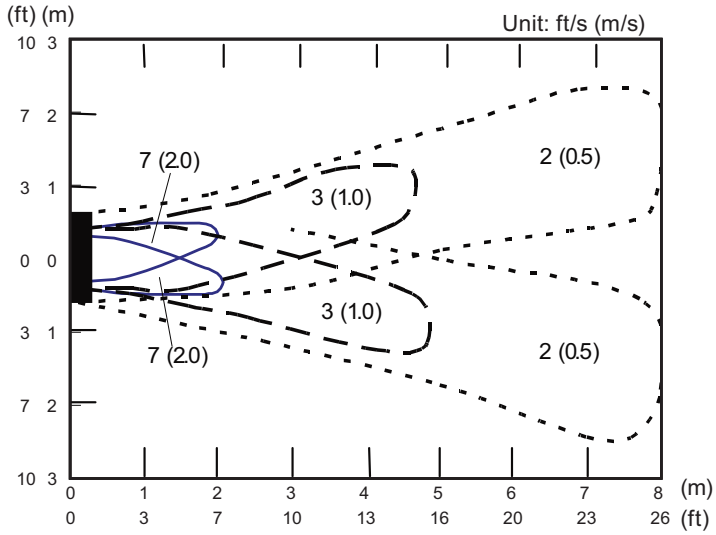
■ Model: RIWH18AVFJ

Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

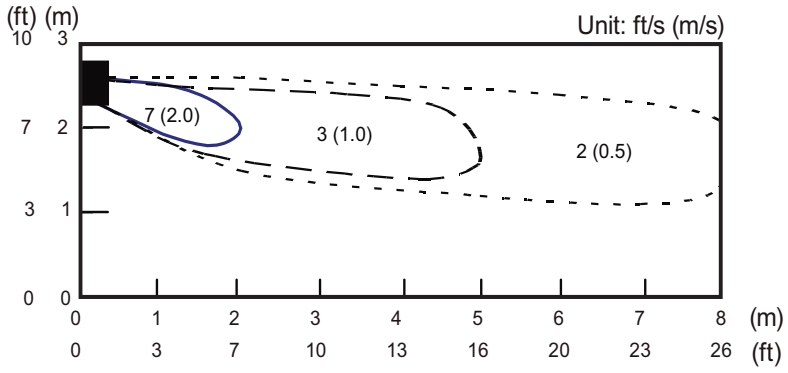
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Center



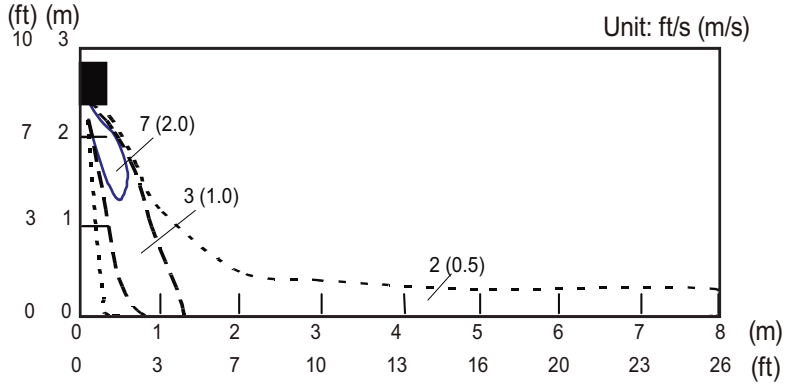
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Left & Right



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



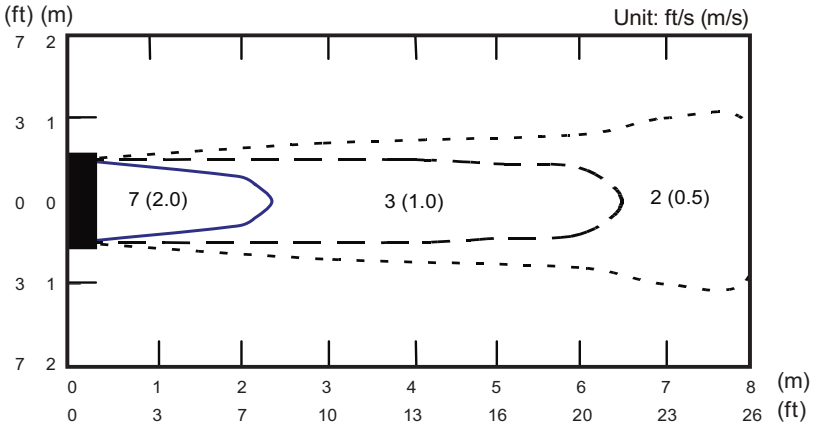
Side view
Vertical airflow direction louver: Down
Horizontal airflow direction louver: Center



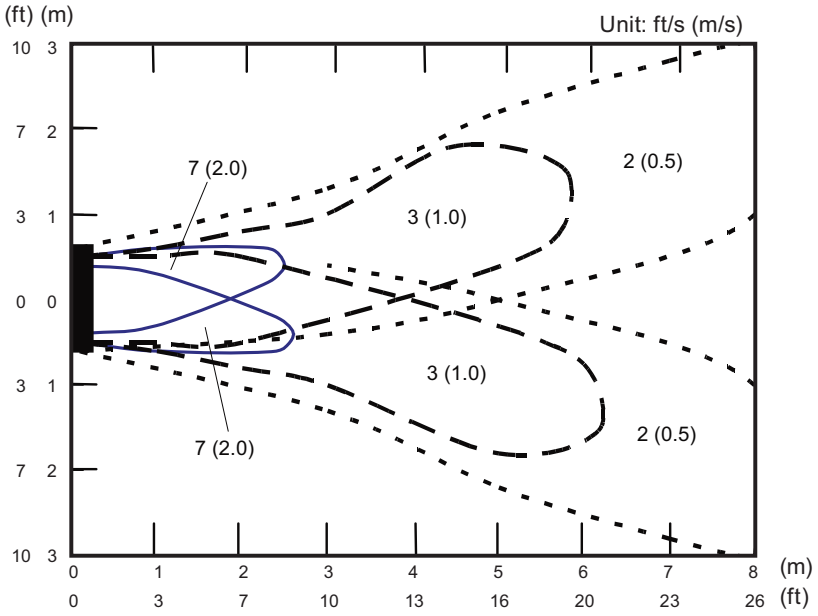
Model:RIWH24AVFJ

Measuring conditions	Fan speed	Operation mode
	HIGH	FAN

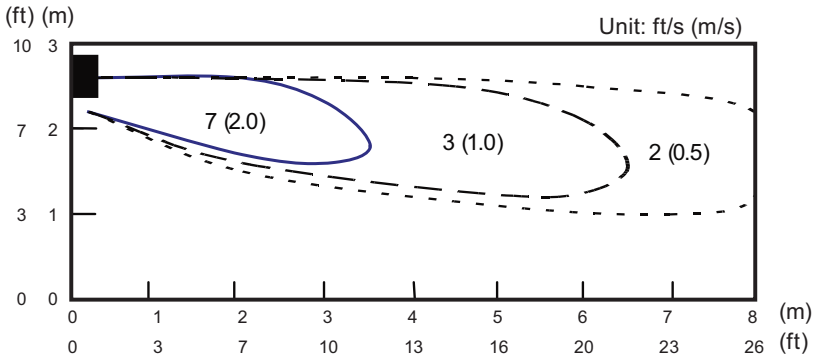
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Center



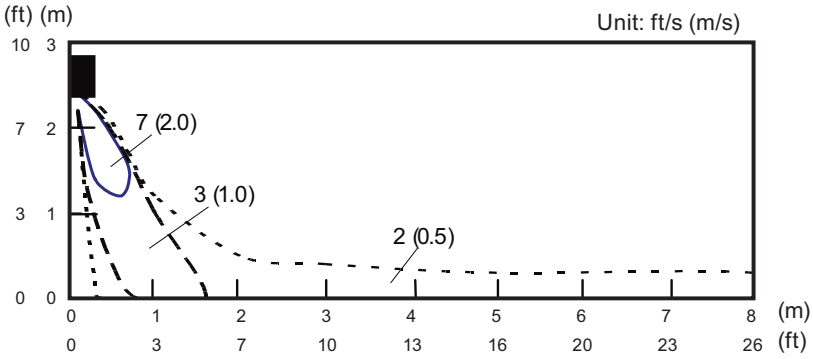
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Left & Right



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



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

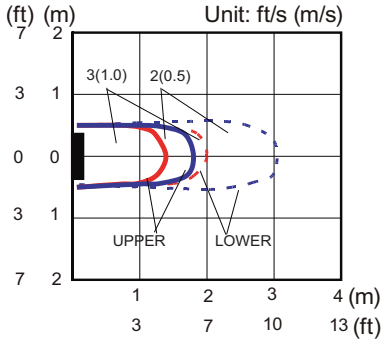


6-4. Floor type

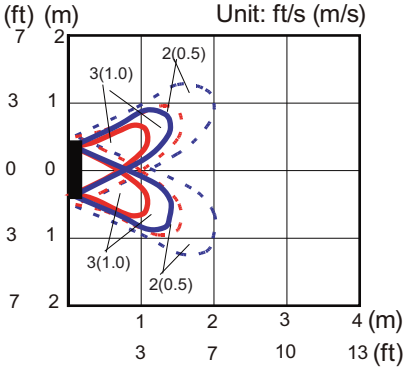
■ Models: RIFH9AVFJ, RIFH12AVFJ, and RIFH15AVFJ

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

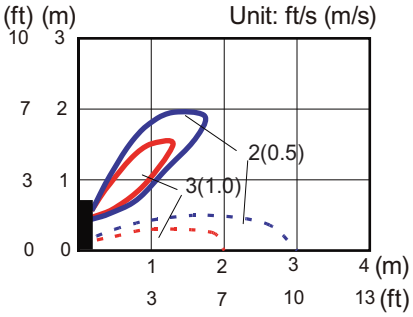
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Center



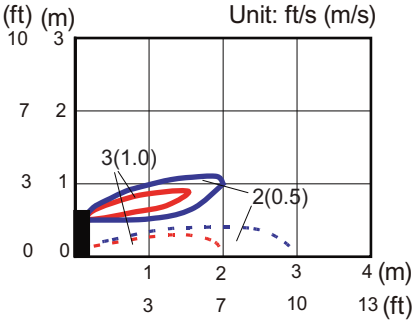
Top view
Vertical airflow direction louver: Up
Horizontal airflow direction louver: Left & Right



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



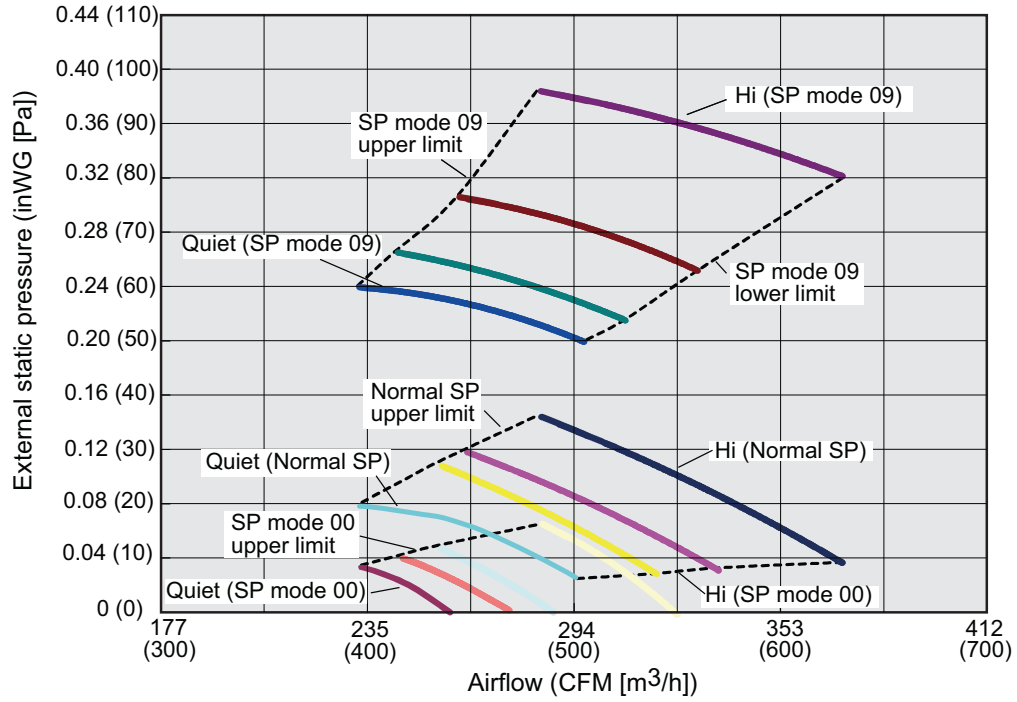
Side view
Vertical airflow direction louver: Down
Horizontal airflow direction louver: Center

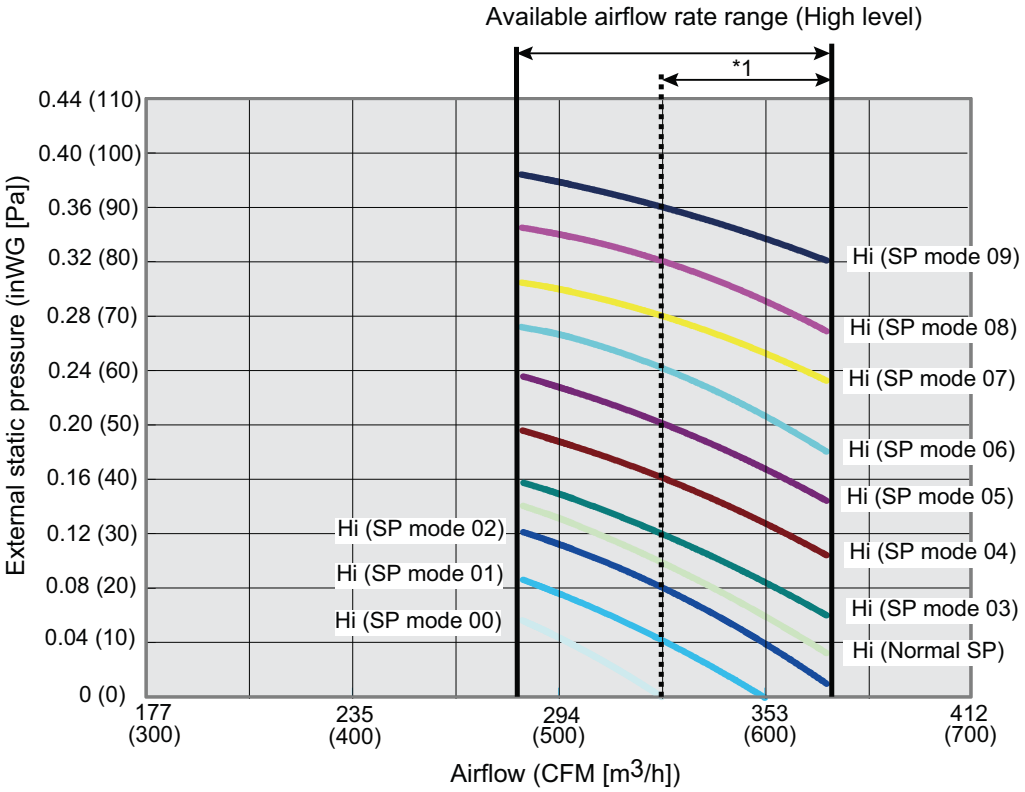


7. Fan performance

7-1. Slim duct type

■ Model: RIDH7AVFJ

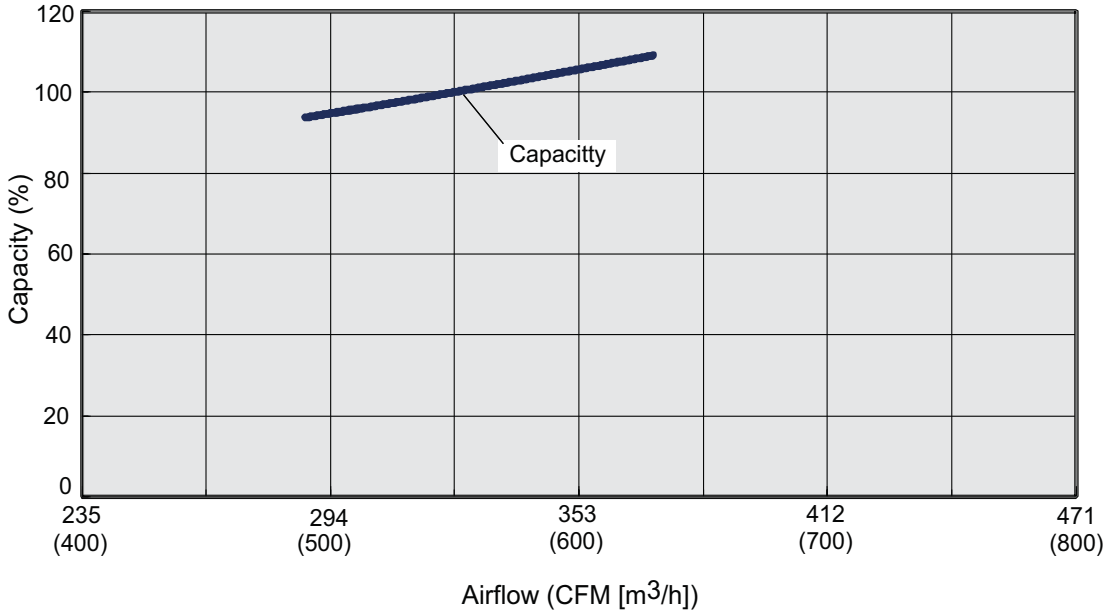




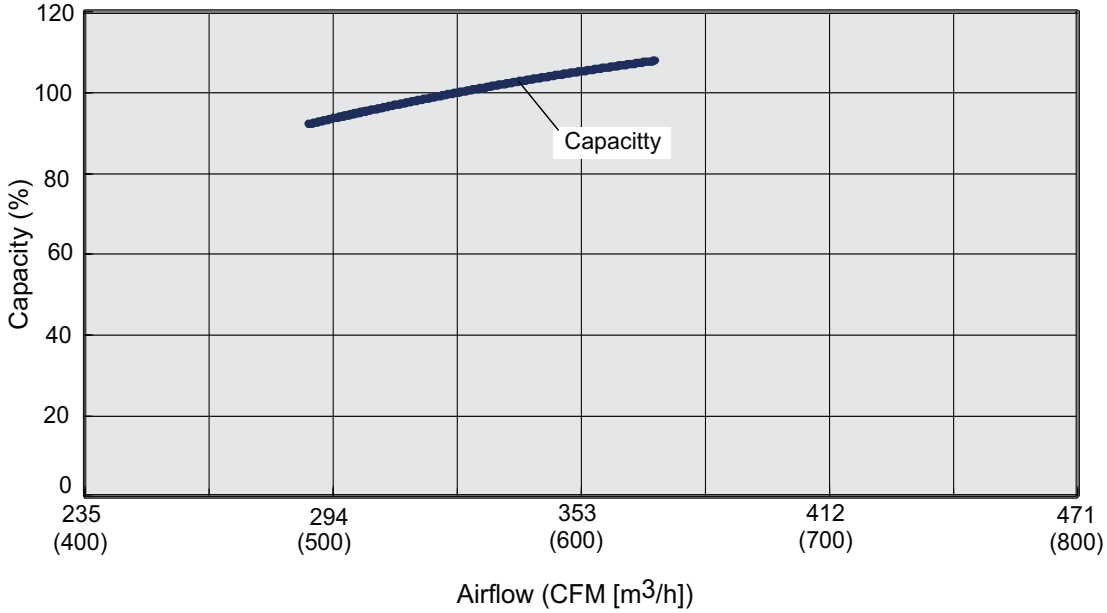
*1: Available airflow rate range when Auto louver grille (option) is installed.
Fan speed : HIGH
Vertical airflow direction louver : Up

● Characteristics of air volume and capacity

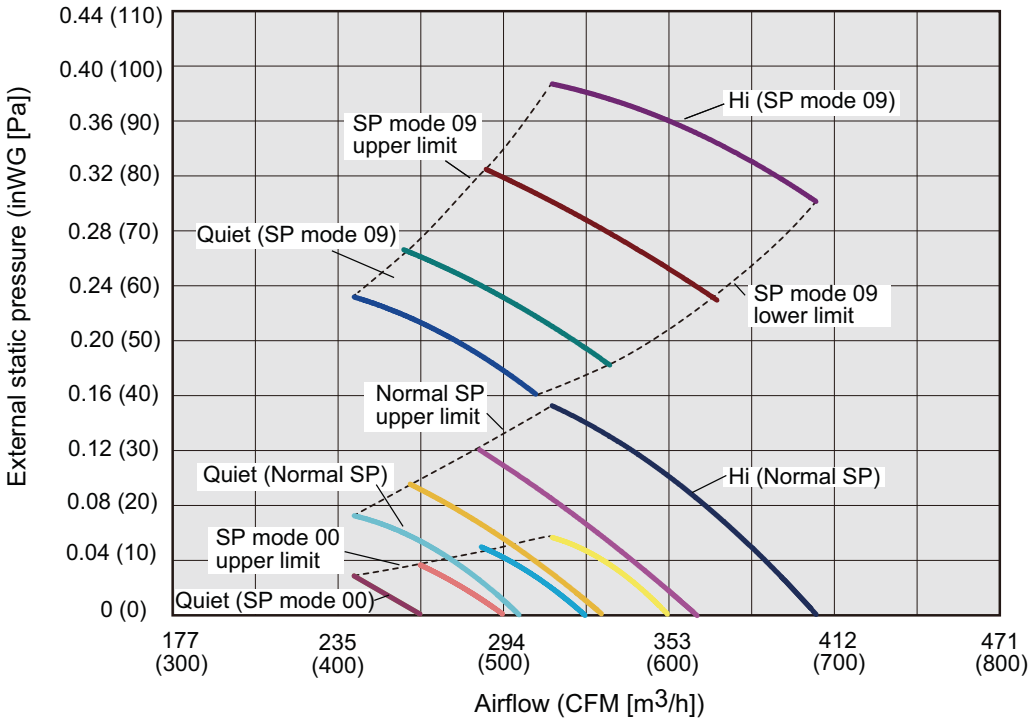
- **Cooling**

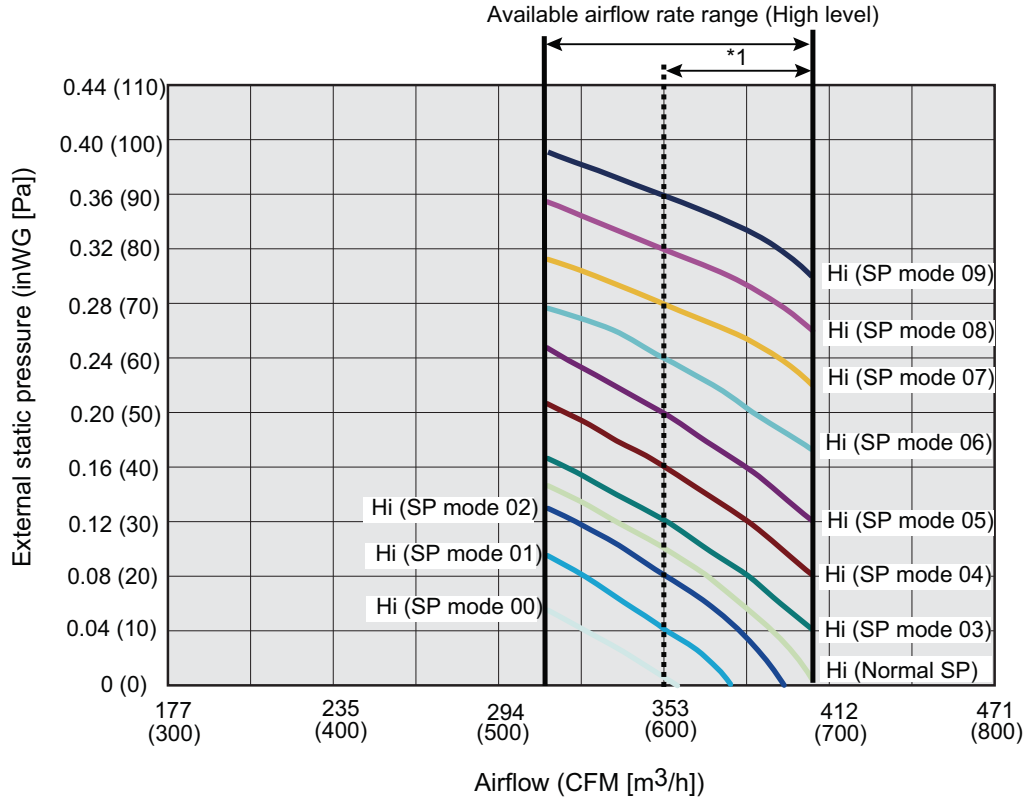


- **Heating**



■ Model: RIDH9AVFJ

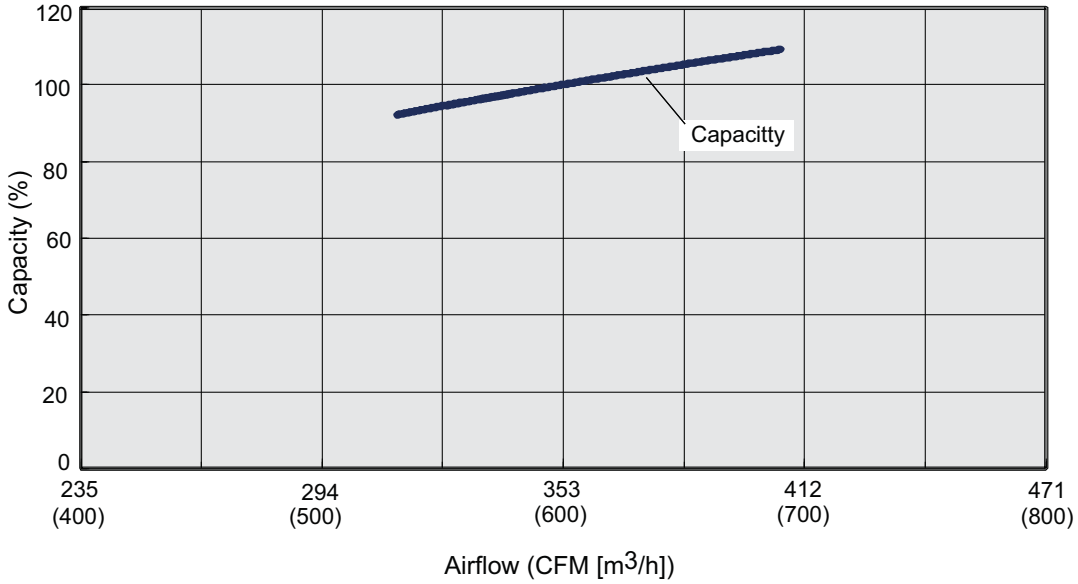




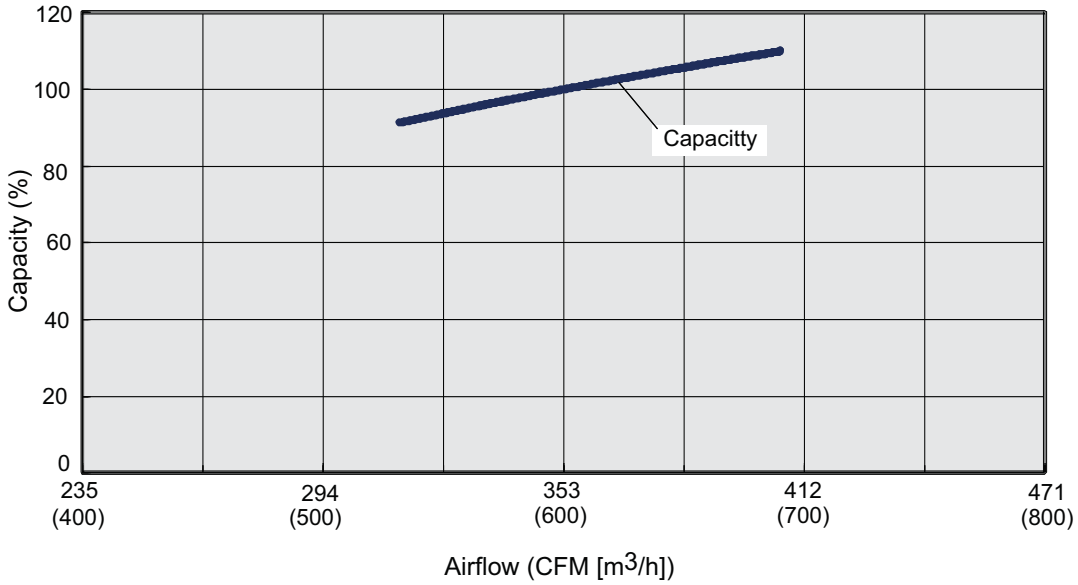
*1: Available airflow rate range when Auto louver grille (option) is installed.
Fan speed : HIGH
Vertical airflow direction louver : Up

● Characteristics of air volume and capacity

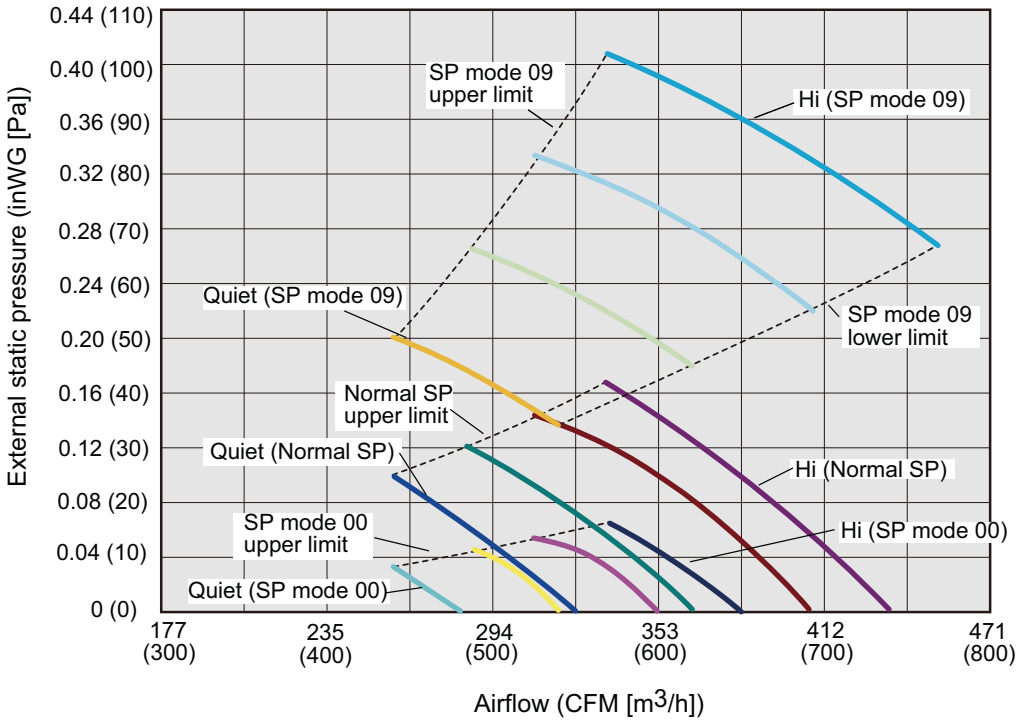
- **Cooling**

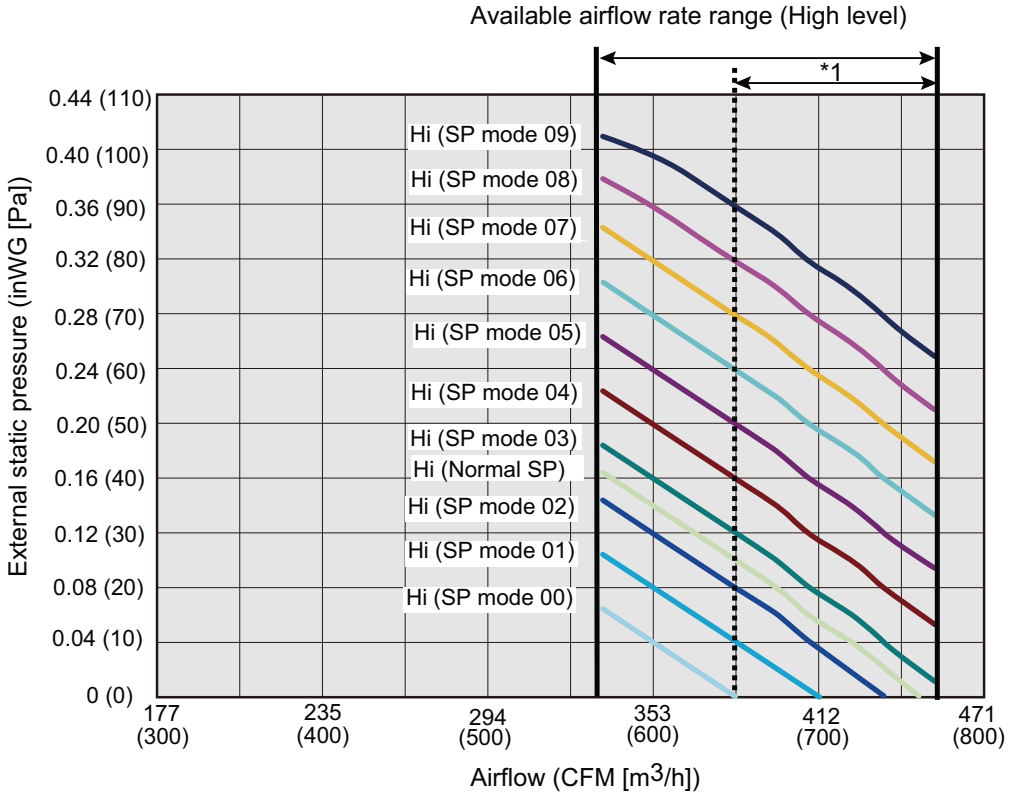


- **Heating**



■ Model: RIDH12AVFJ

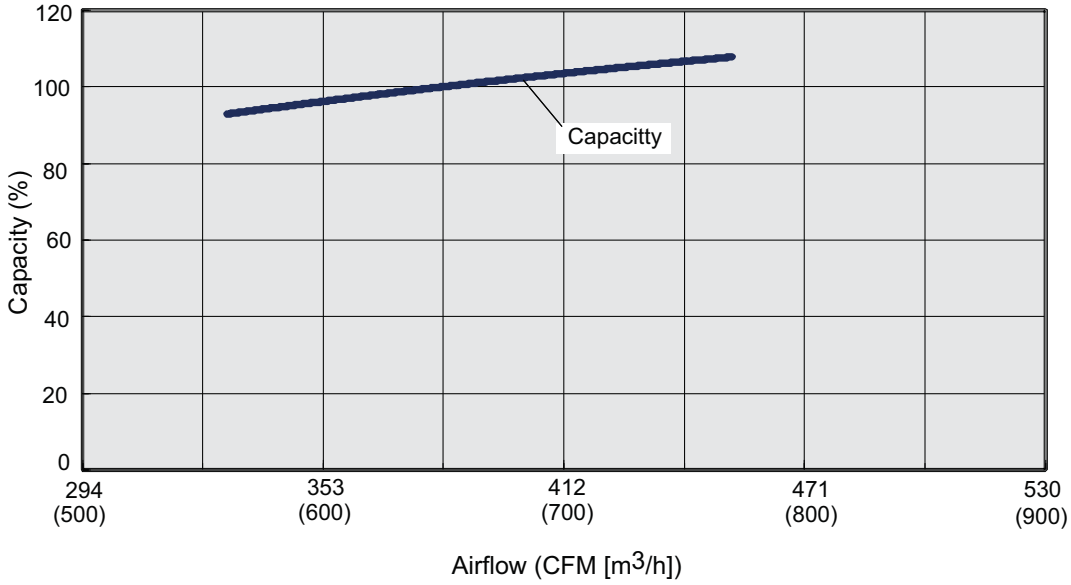




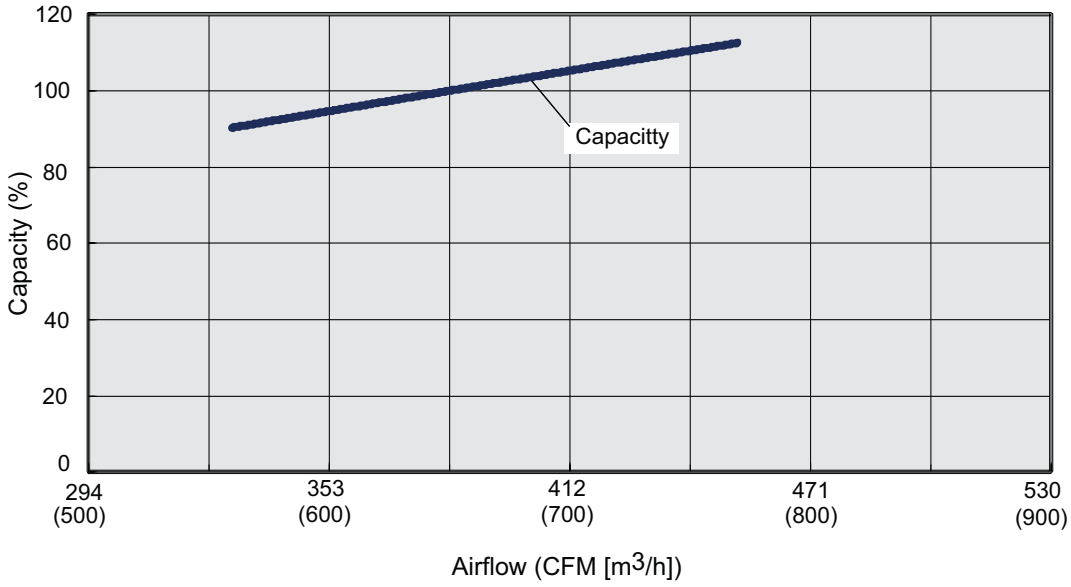
*1: Available airflow rate range when Auto louver grille (option) is installed.
Fan speed : HIGH
Vertical airflow direction louver : Up

● Characteristics of air volume and capacity

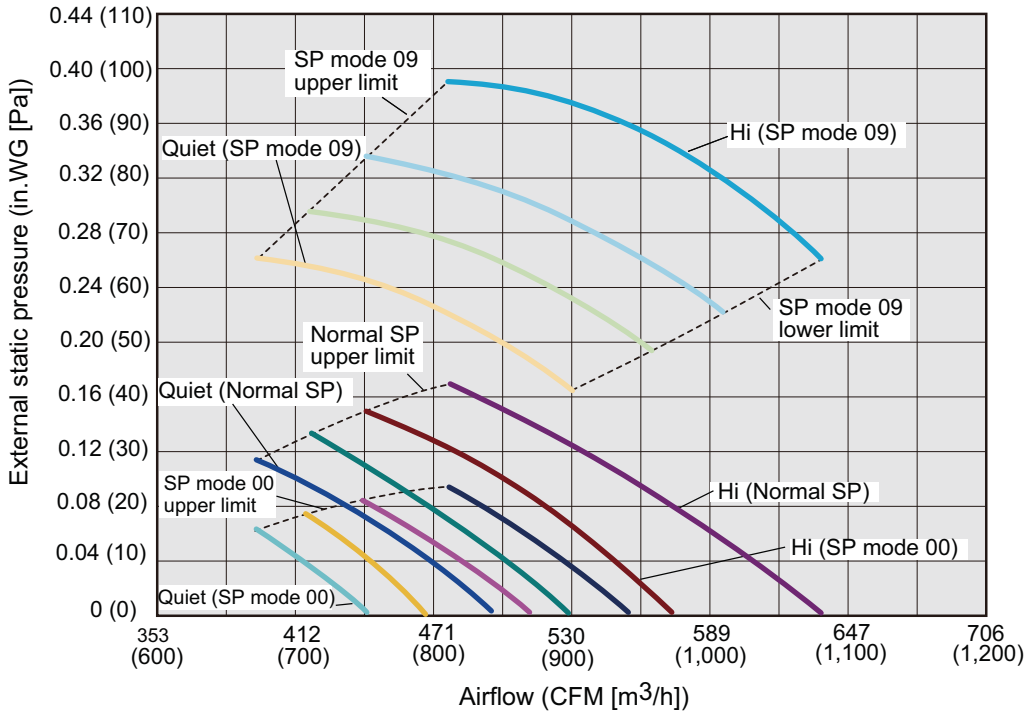
- **Cooling**

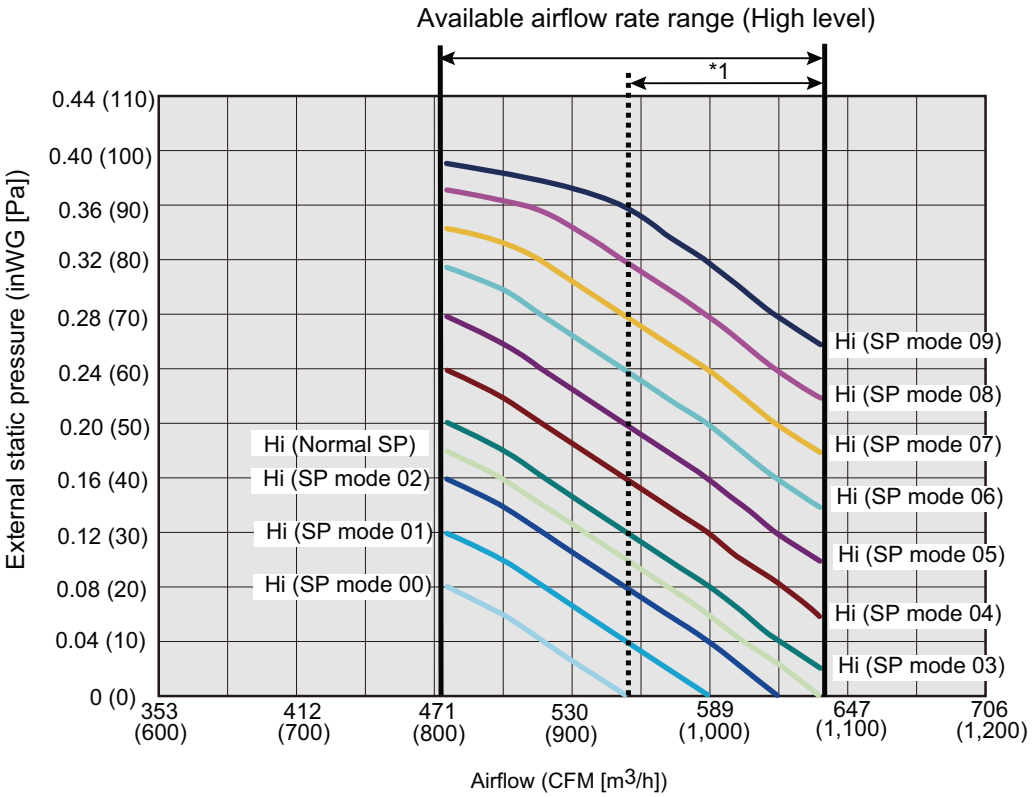


- **Heating**



■ Model: RIDH18AVFJ

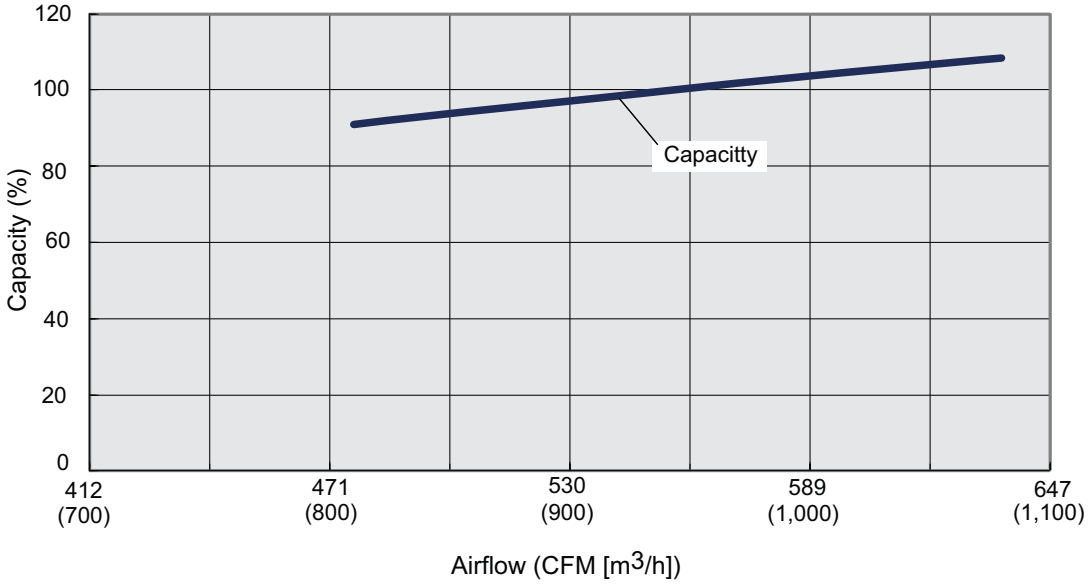




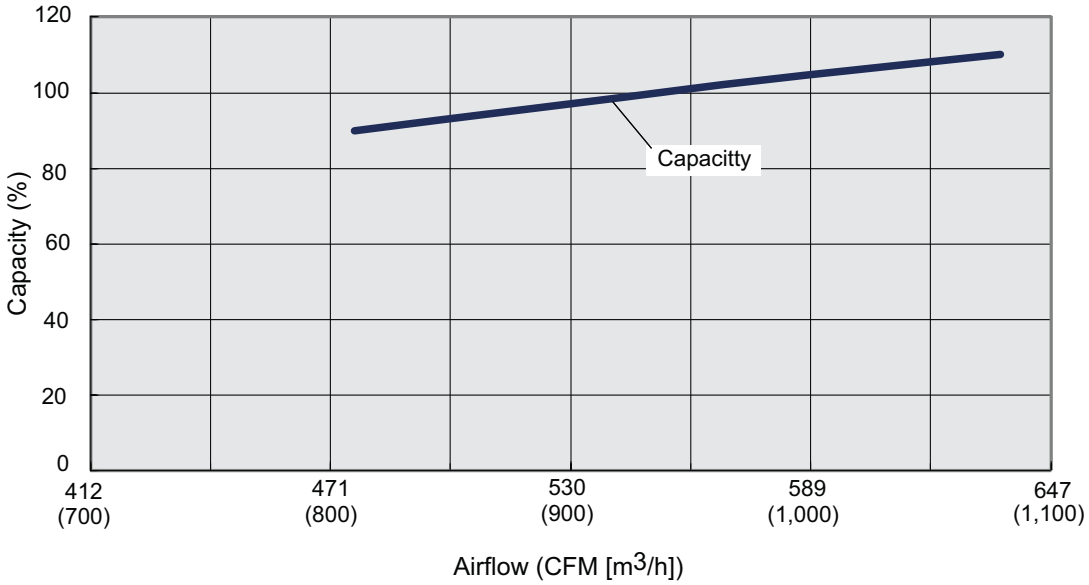
*1: Available airflow rate range when Auto louver grille (option) is installed.
Fan speed : HIGH
Vertical airflow direction louver : Up

● Characteristics of air volume and capacity

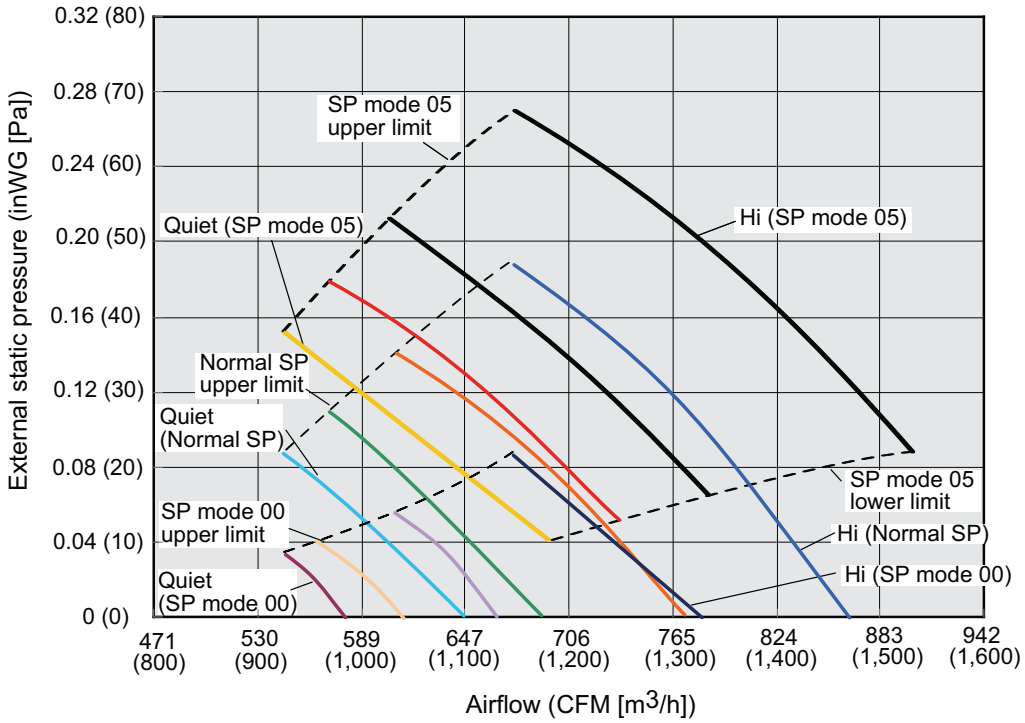
- **Cooling**

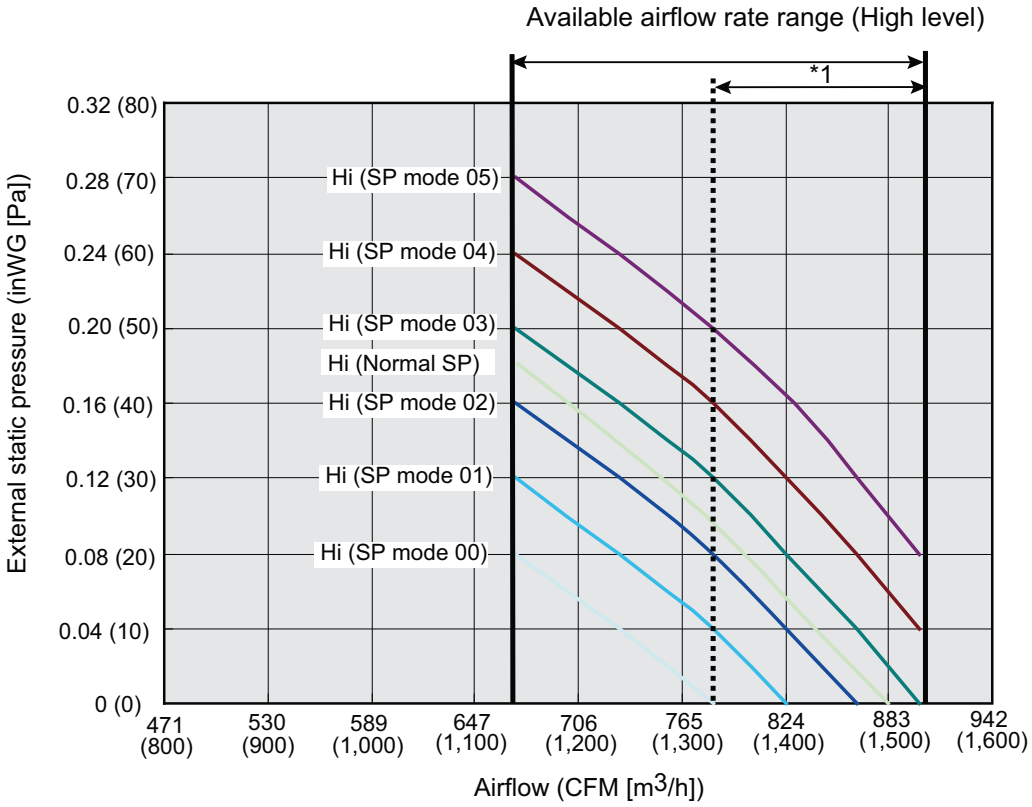


- **Heating**



■ Model: RIDH24AVFJ

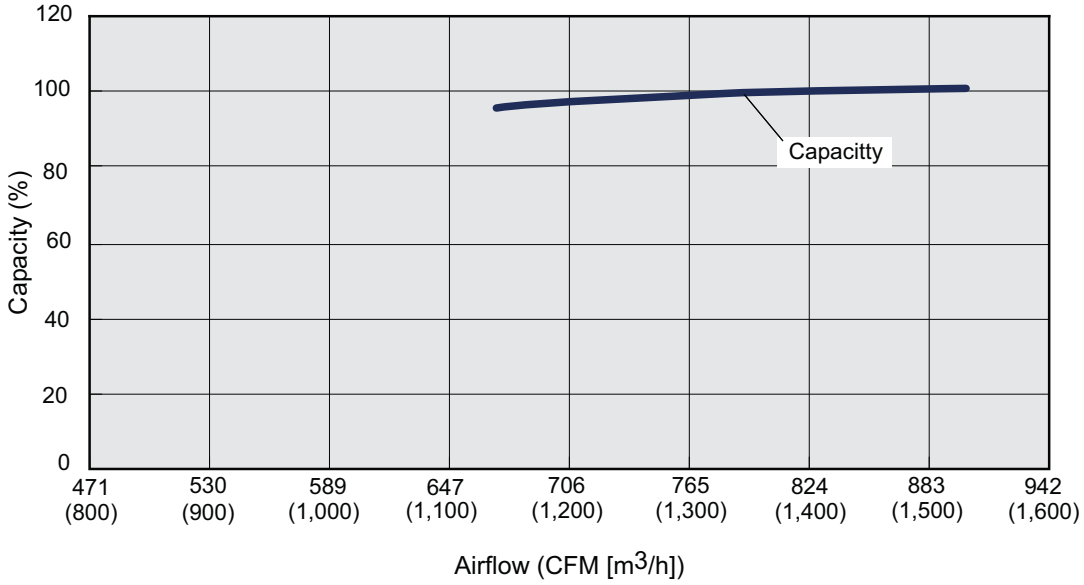




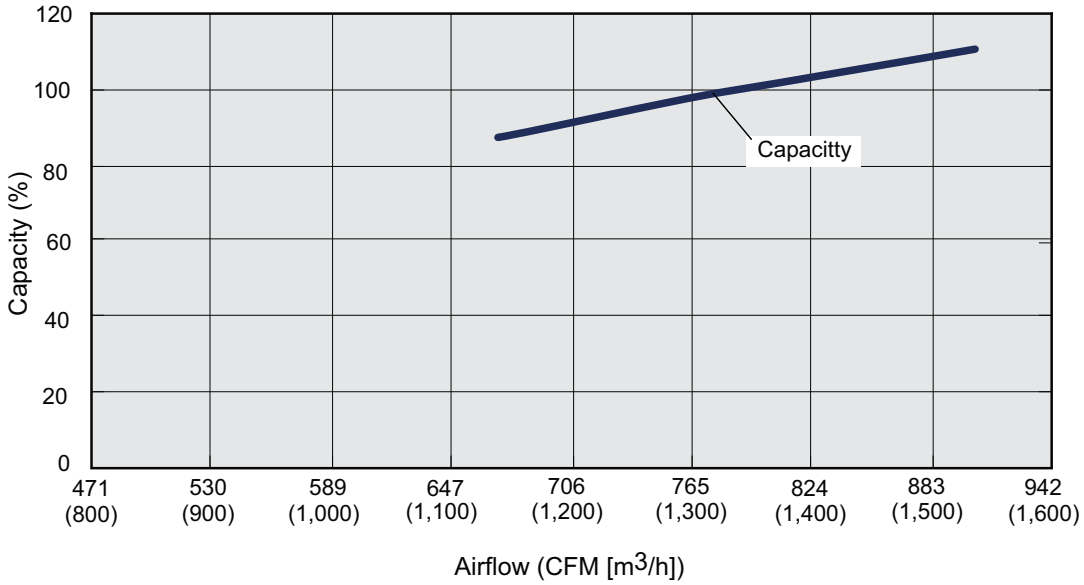
*1: Available airflow rate range when Auto louver grille (option) is installed.
Fan speed : HIGH
Vertical airflow direction louver : Up

● Characteristics of air volume and capacity

- **Cooling**



- **Heating**



8. 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

8-1. Compact cassette type

Model	Operation mode	Fan speed	Airflow		
			m^3/h	l/s	CFM
RICH7AVFJ	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
RICH9AVFJ	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

8-2. Slim duct type

Model	Operation mode	Fan speed	Airflow		
			m^3/h	l/s	CFM
RIDH7AVFJ	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
RIDH9AVFJ	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

8-3. Wall mounted type

Model	Operation mode	Fan speed	Airflow		
			m^3/h	l/s	CFM
RIWH7AVFJ	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
RIWH9AVFJ	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
RIWH12AVFJ	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
RIWH15AVFJ	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
RIWH18AVFJ	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
RIWH24AVFJ	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

8-4. Floor type

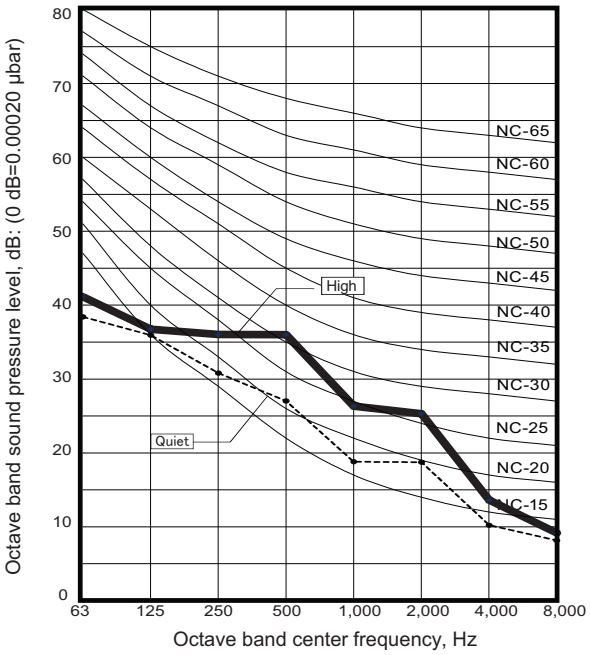
Model	Operation mode	Fan speed	Airflow		
			m^3/h	l/s	CFM
RIFH9AVFJ	Cooling	High	530	147	312
		Med	440	122	259
		Low	360	100	212
		Quiet	270	75	159
	Heating	High	530	147	312
		Med	460	128	270
		Low	380	106	224
		Quiet	270	75	159
RIFH12AVFJ	Cooling	High	600	167	353
		Med	490	136	288
		Low	380	106	224
		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

9. Noise level curve

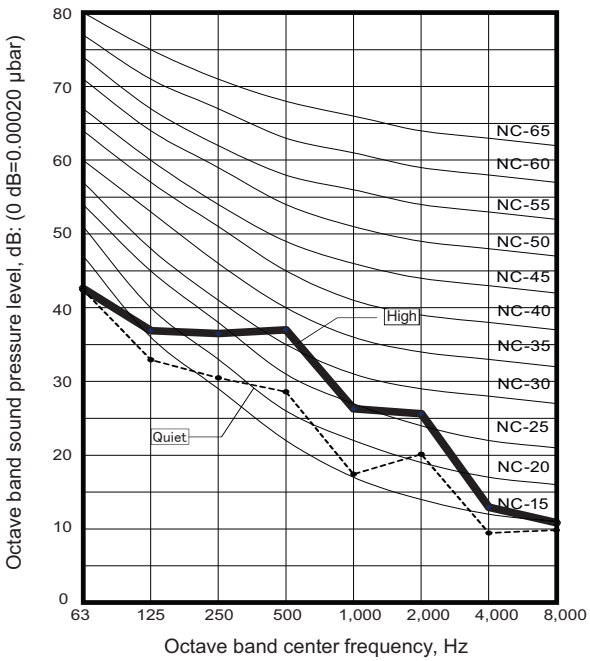
9-1. Compact cassette type

■ Model: RICH7AVFJ

● Cooling

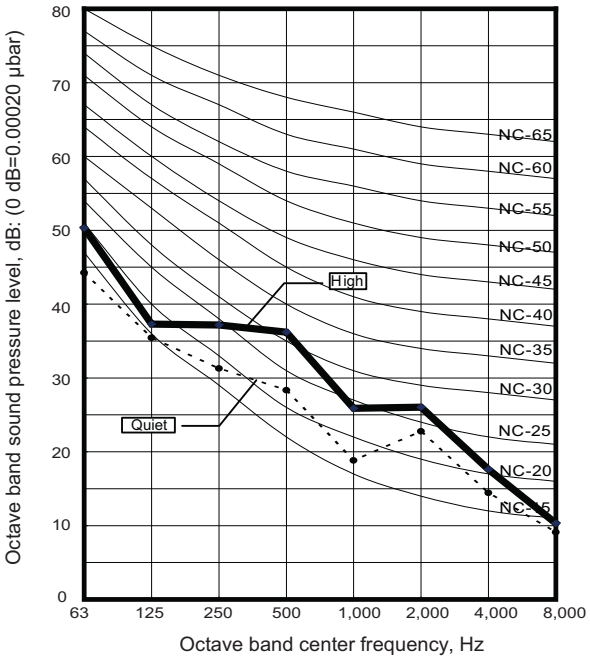


● Heating



■ Model: RICH9AVFJ

● Cooling



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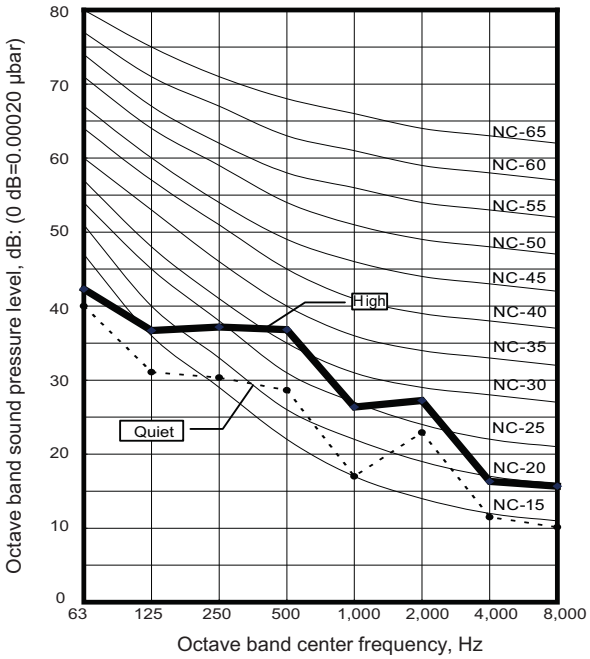
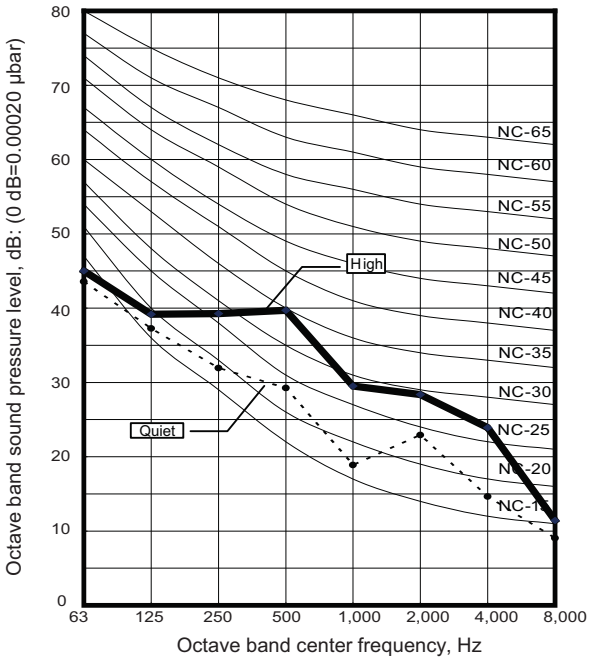
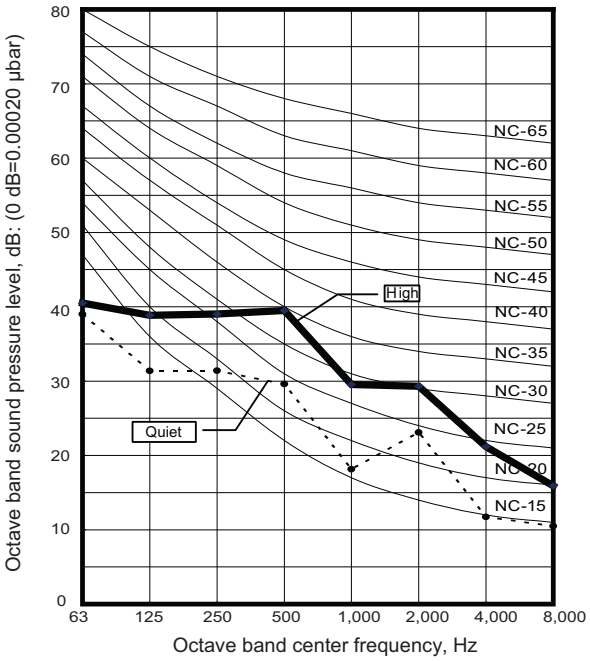


■ Model: RICH12AVFJ

● Cooling

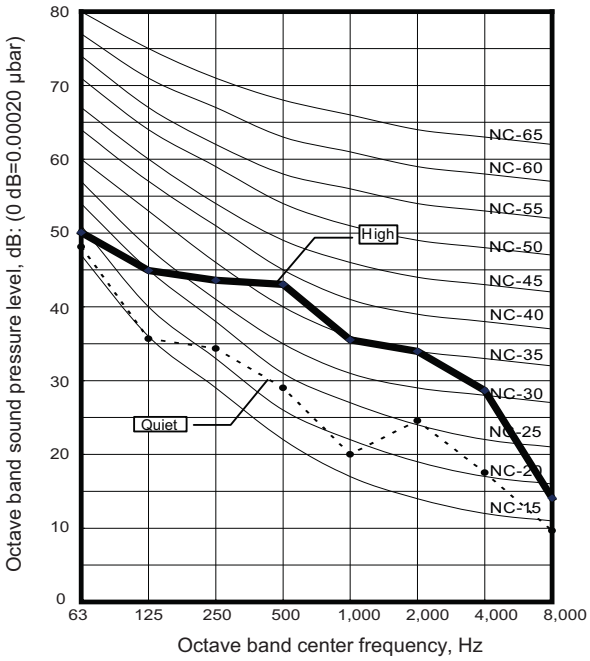


● Heating

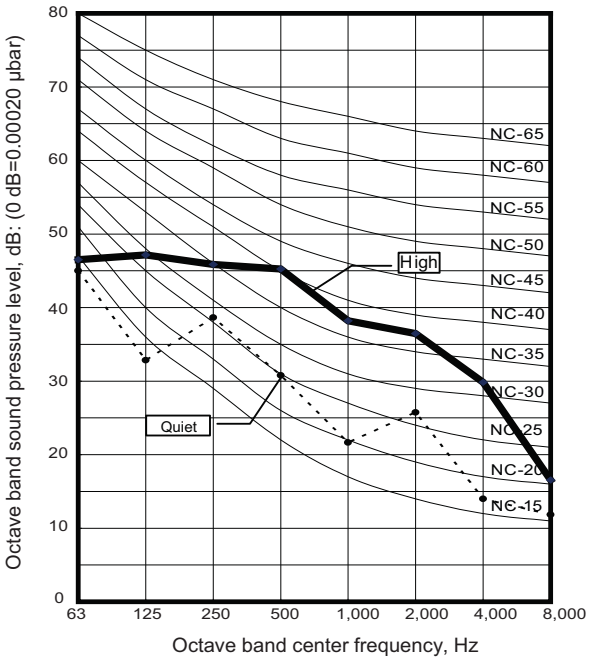


■ Model: RICH18AVFJ

● Cooling



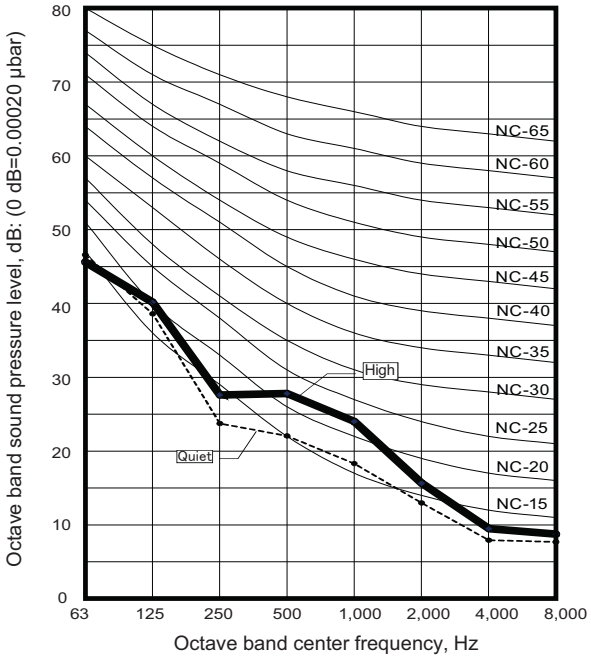
● Heating



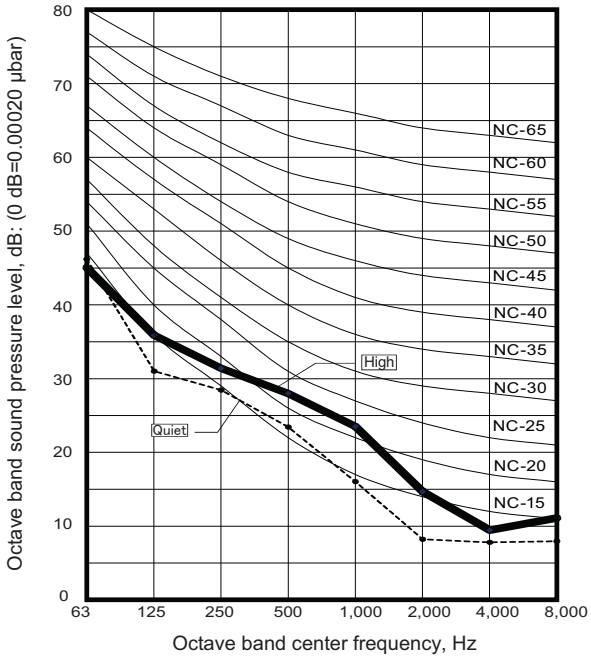
9-2. Slim duct type

■ Model: RIDH7AVFJ

● Cooling

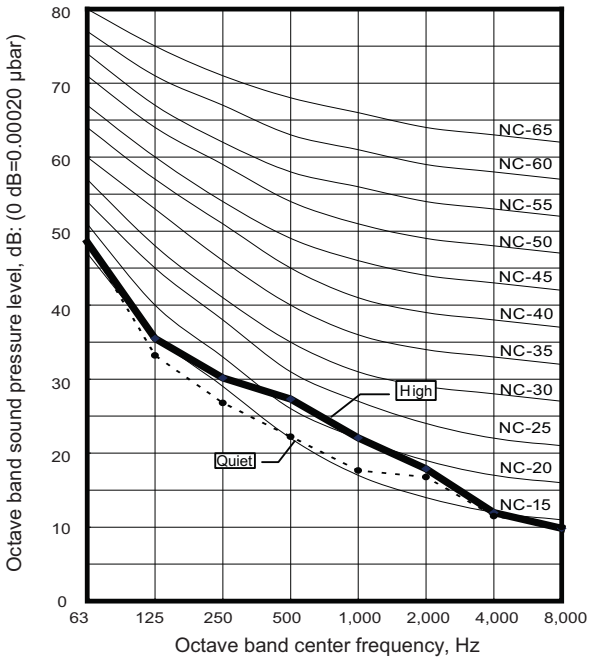


● Heating

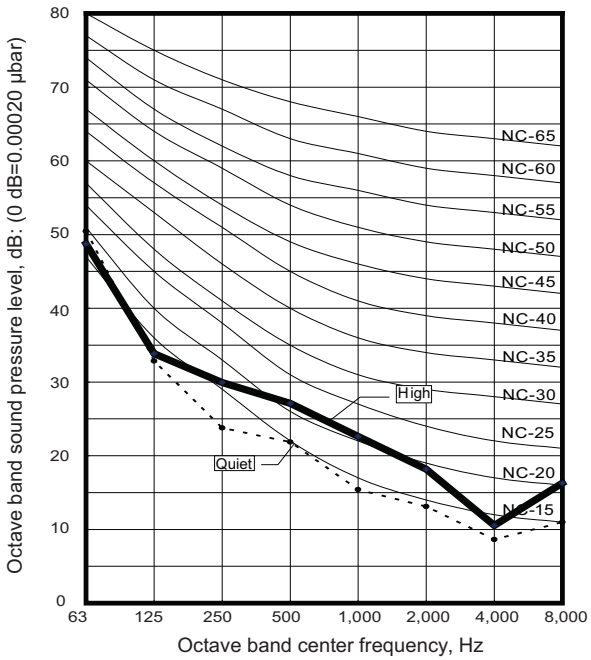


■ Model: RIDH9AVFJ

● Cooling

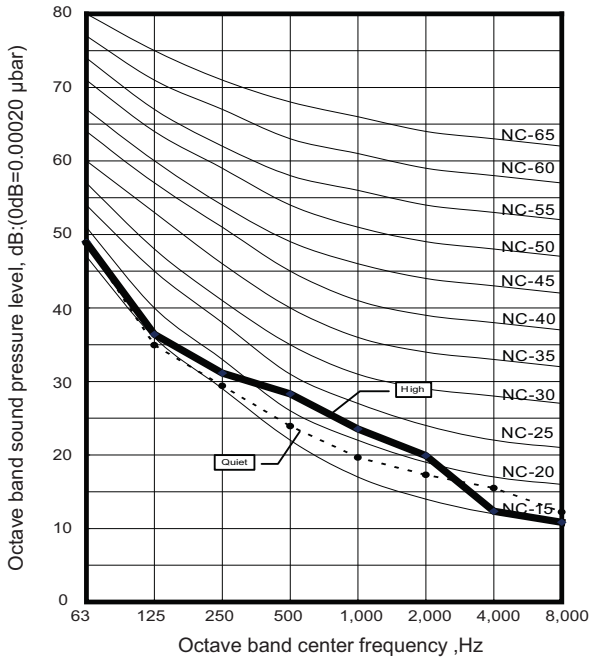


● Heating

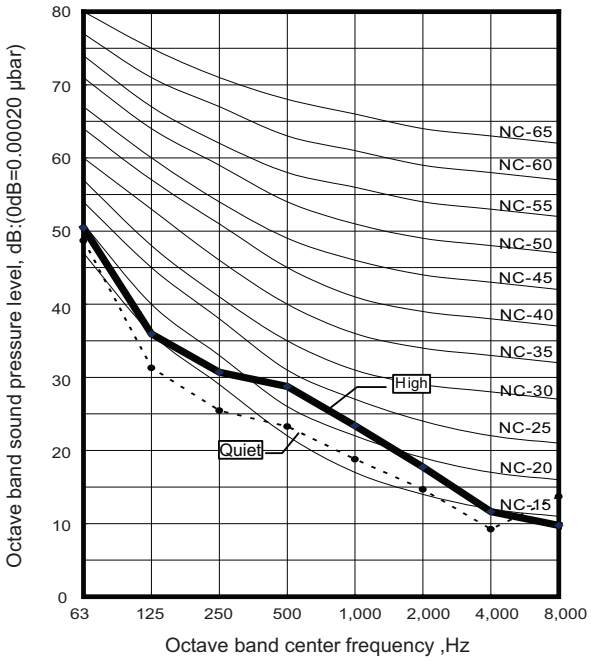


■ Model: RIDH12AVFJ

● Cooling

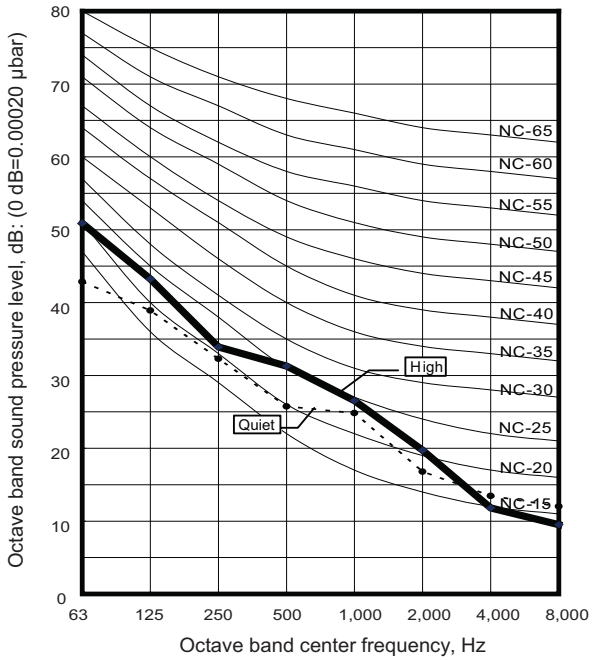


● Heating

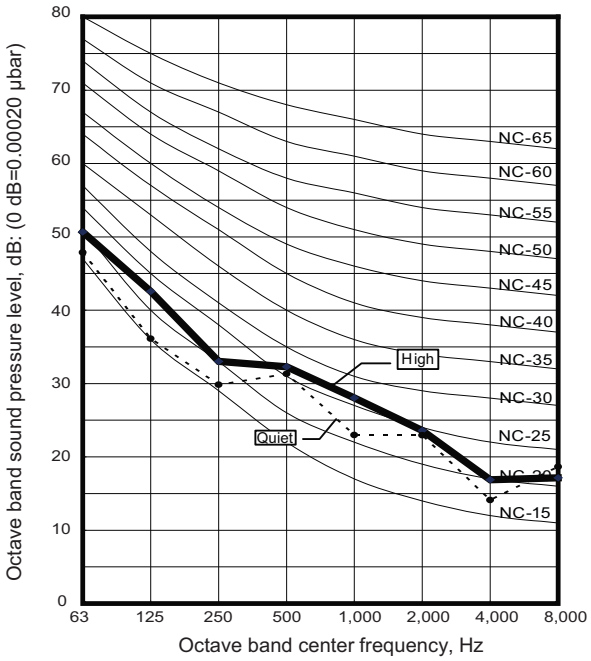


■ Model: RIDH18AVFJ

● Cooling

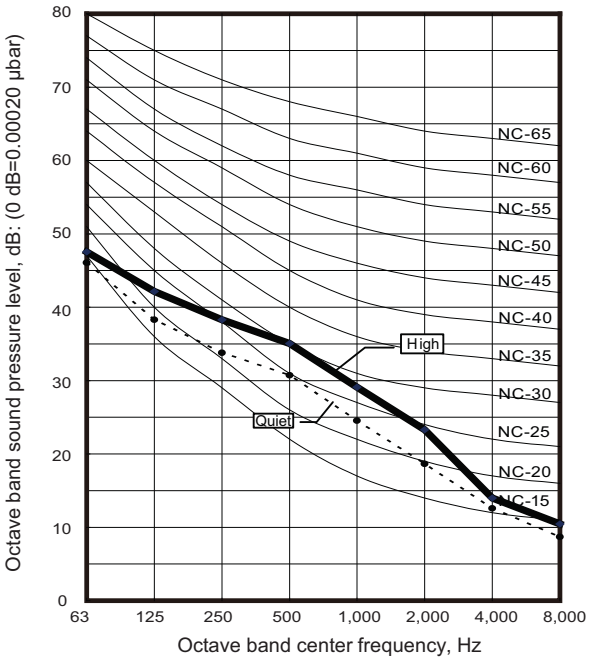


● Heating

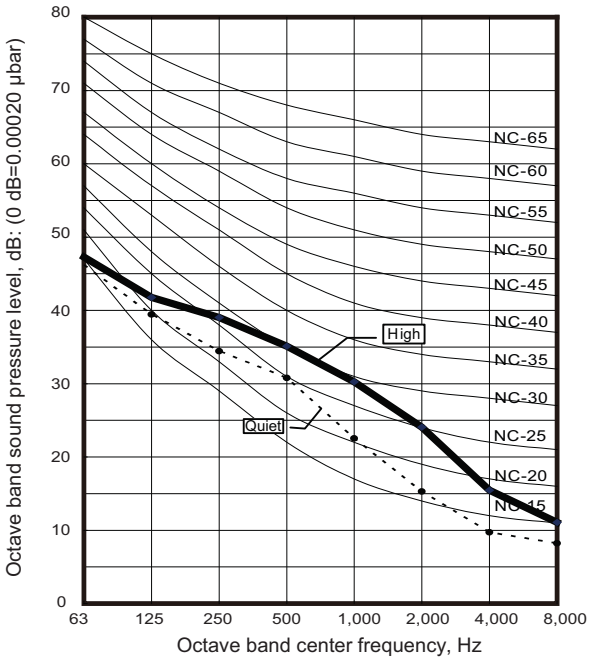


■ Model: RIDH24AVFJ

● Cooling



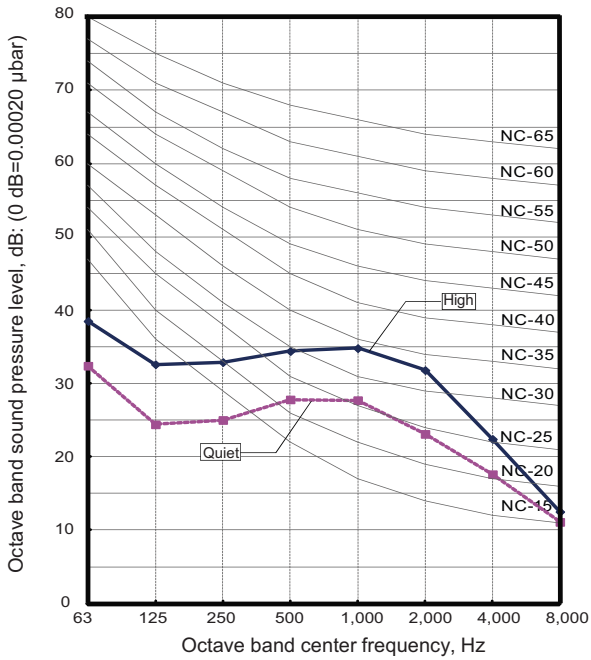
● Heating



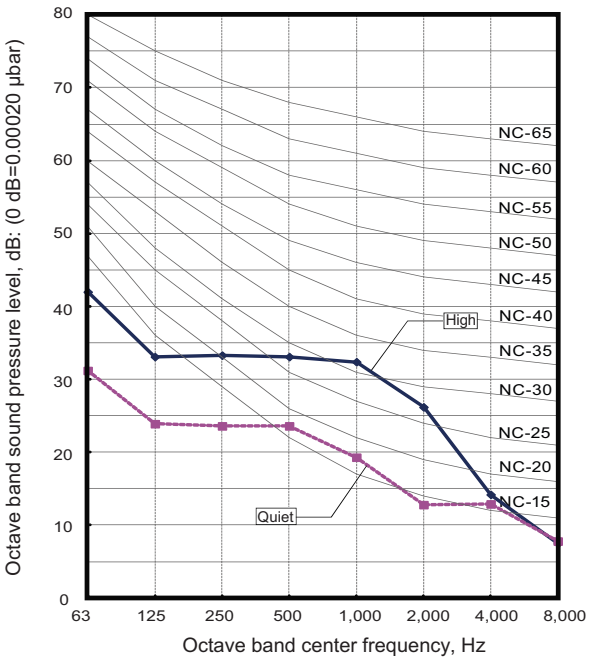
9-3. Wall mounted type

■ Model: RIWH7AVFJ

● Cooling

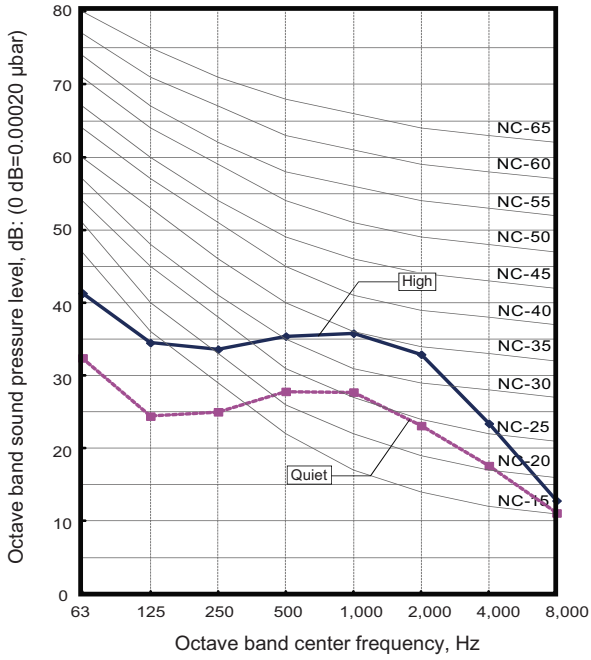


● Heating

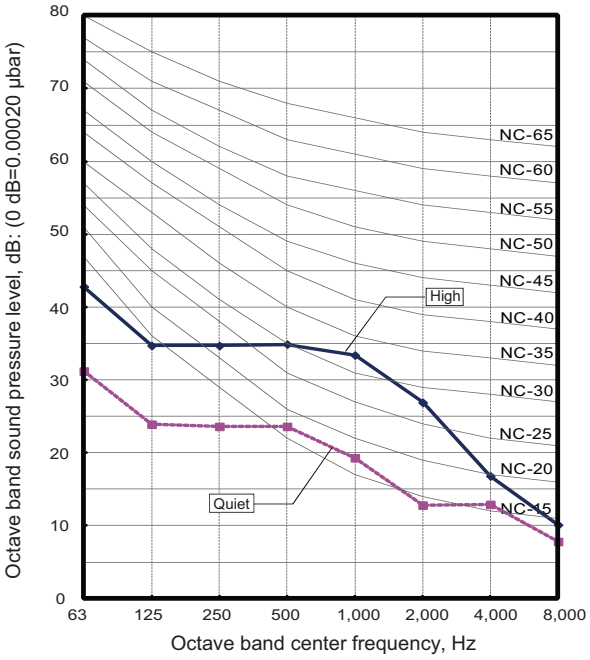


■ Model: RICH9AVFJ

● Cooling

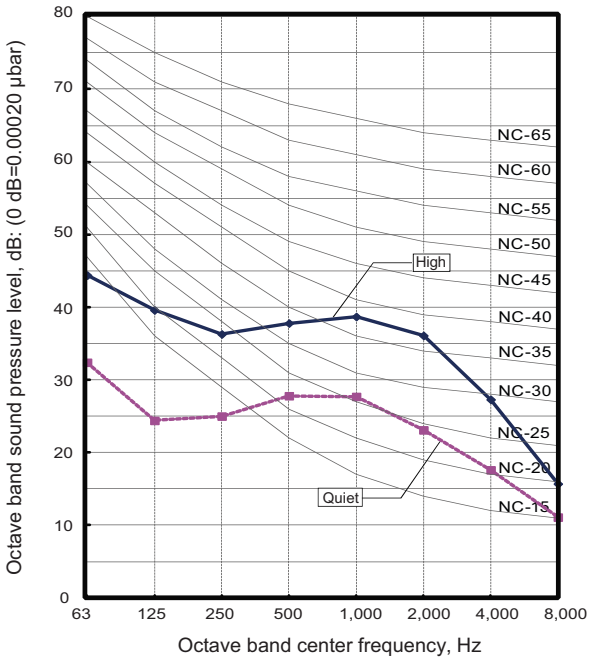


● Heating

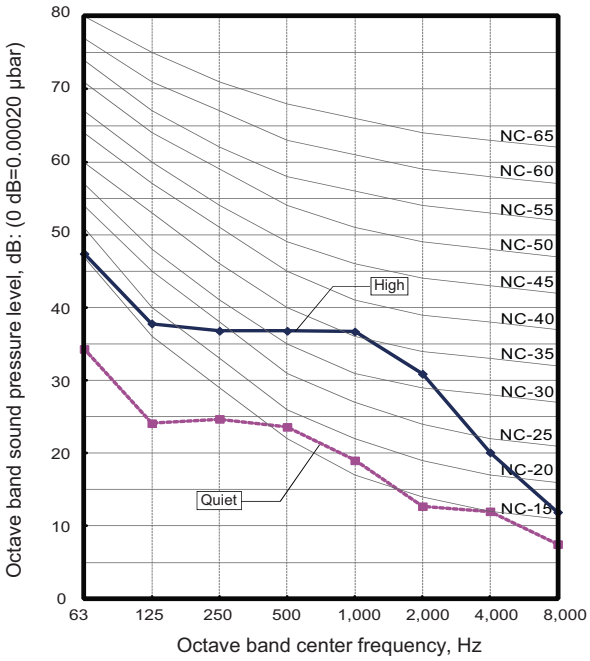


■ Model: RIWH12AVFJ

● Cooling

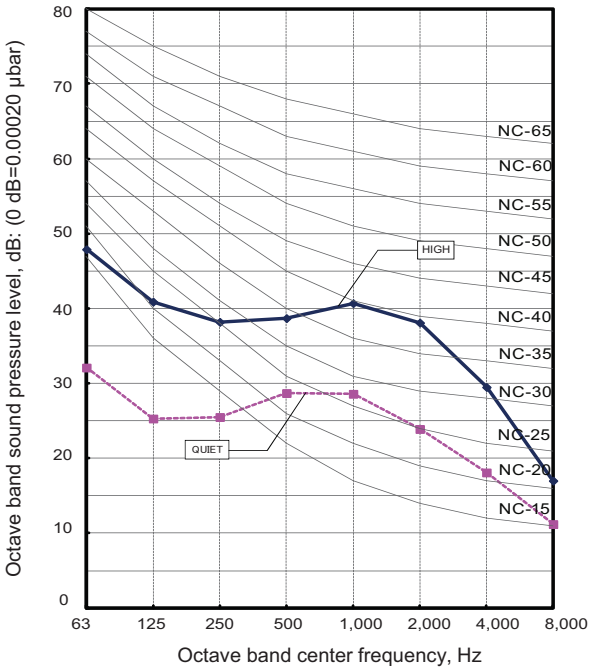


● Heating

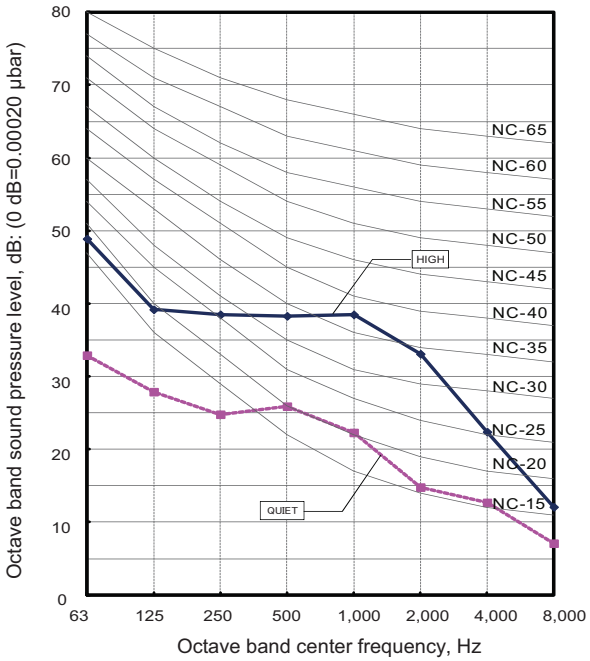


■ Model: RIWH15AVFJ

● Cooling

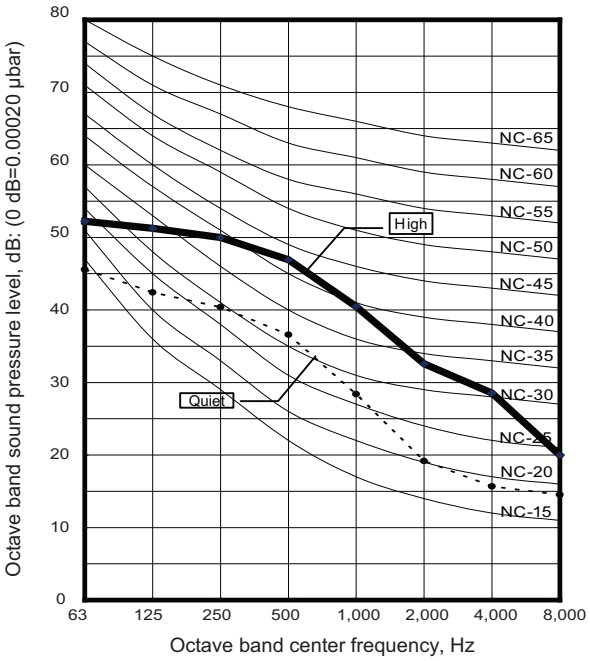


● Heating

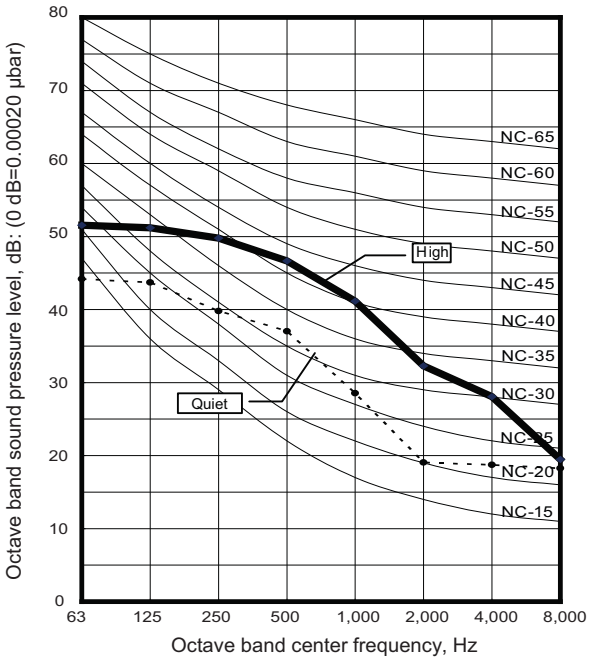


■ Model: RIWH18AVFJ

● Cooling

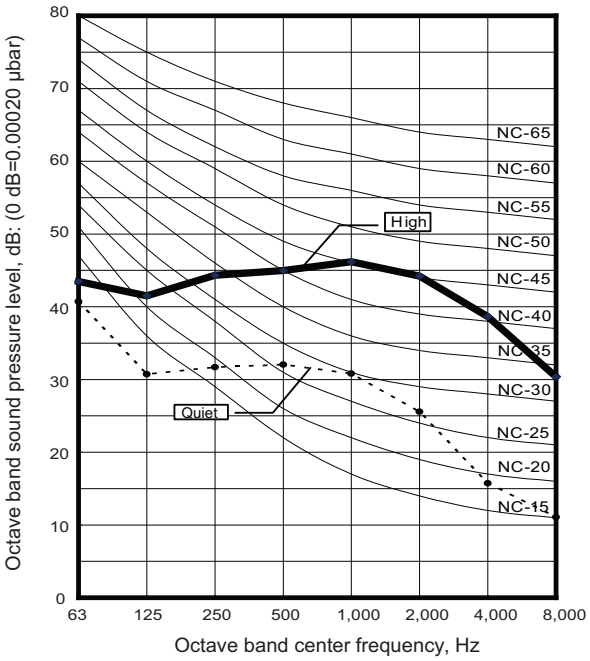


● Heating

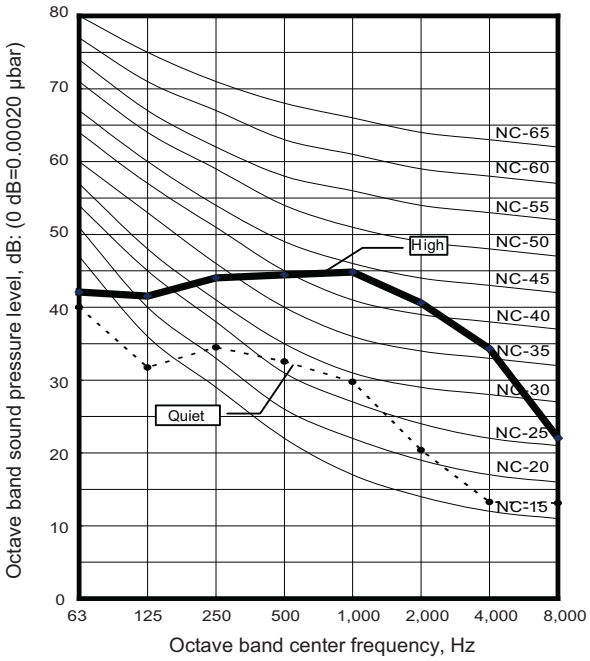


■ Model: RIWH24AVFJ

● Cooling



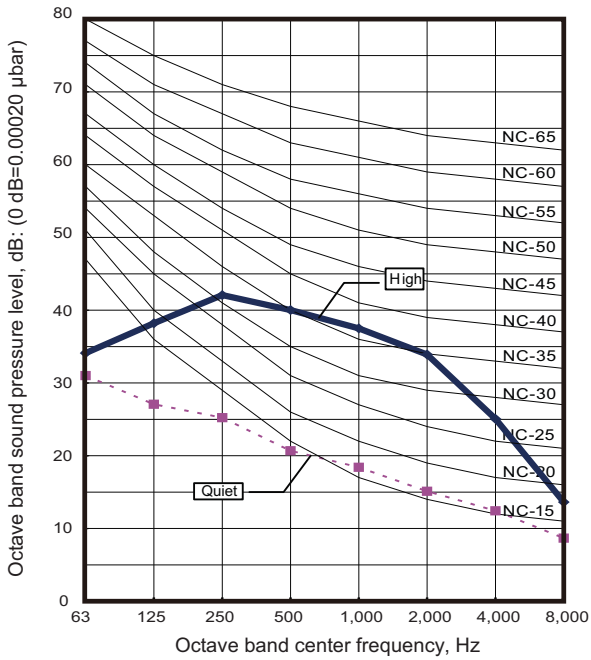
● Heating



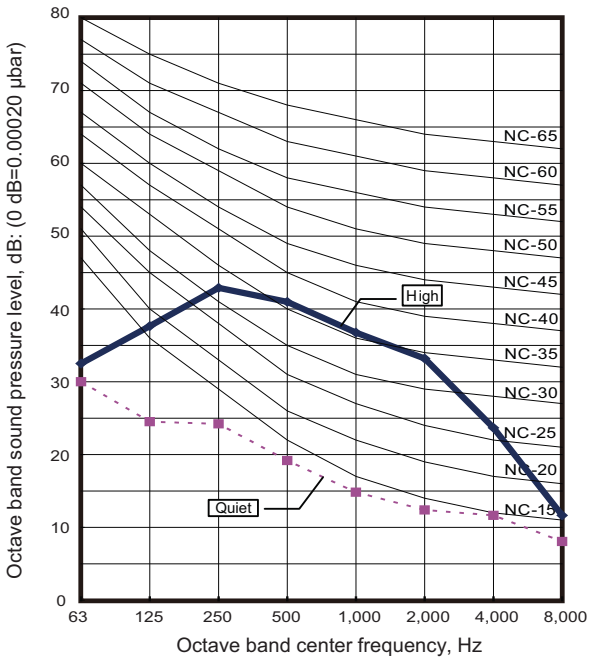
9-4. Floor type

■ Model: RIFH9AVFJ

● Cooling

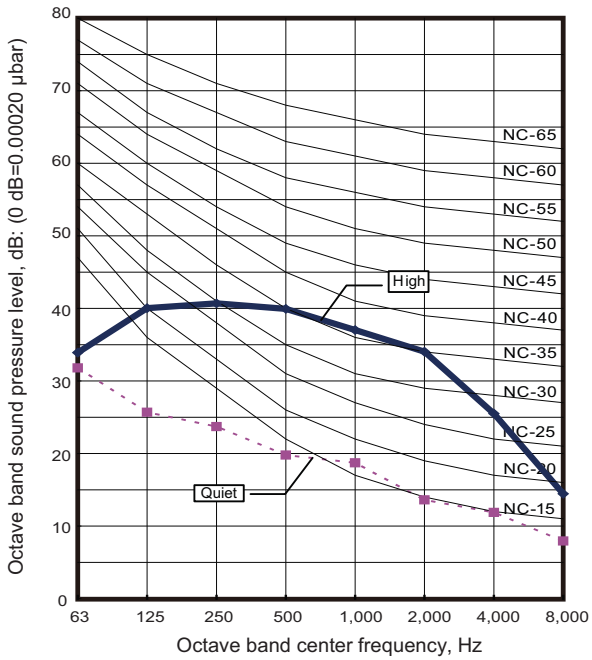


● Heating

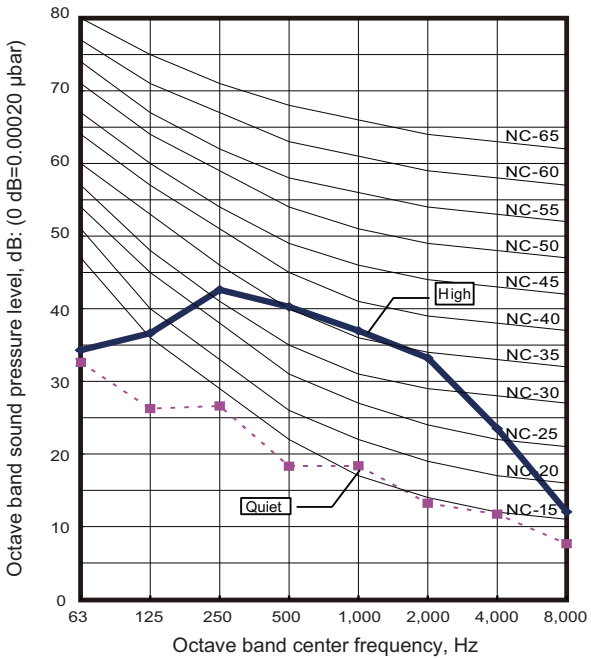


■ Model: RIDH12AVFJ

● Cooling

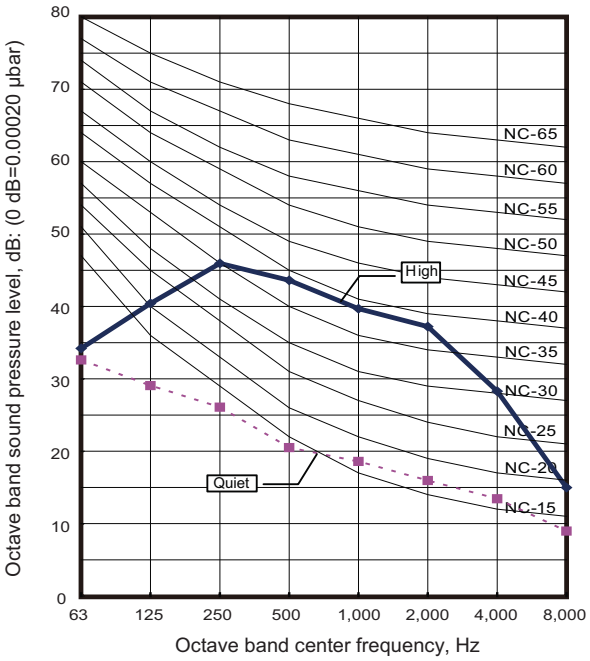


● Heating

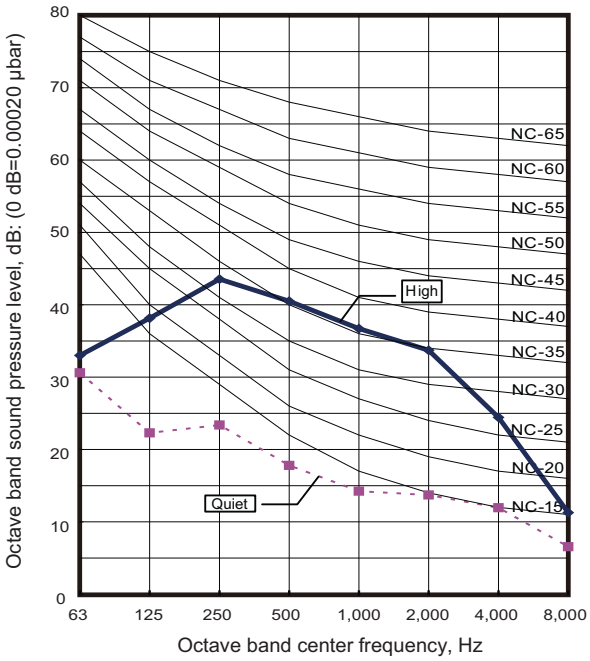


■ Model: RIFH15AVFJ

● Cooling

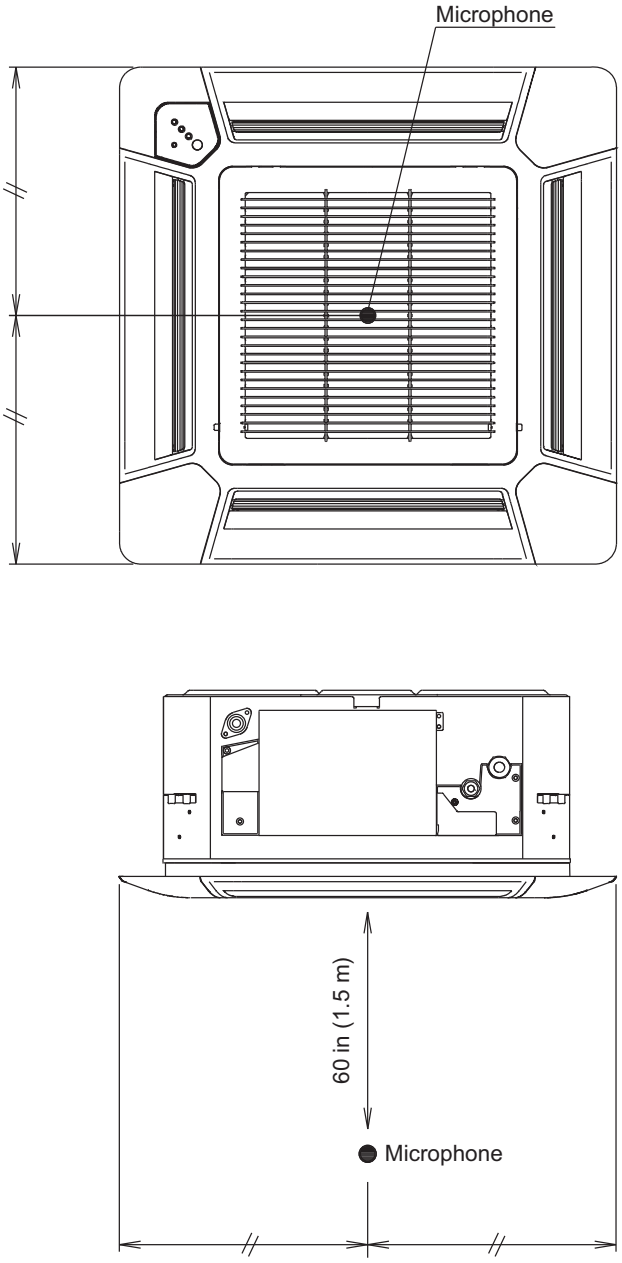


● Heating

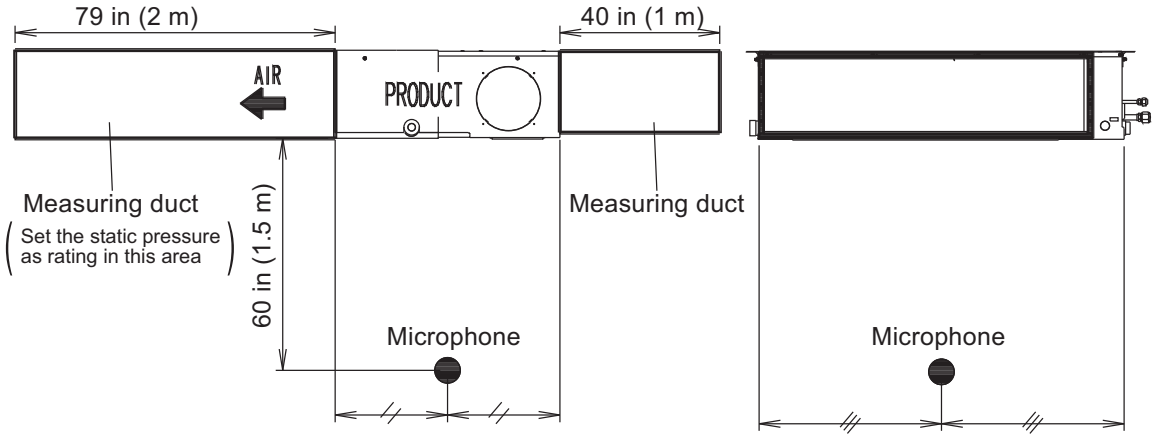


9-5. Sound level check point

■ Compact cassette type



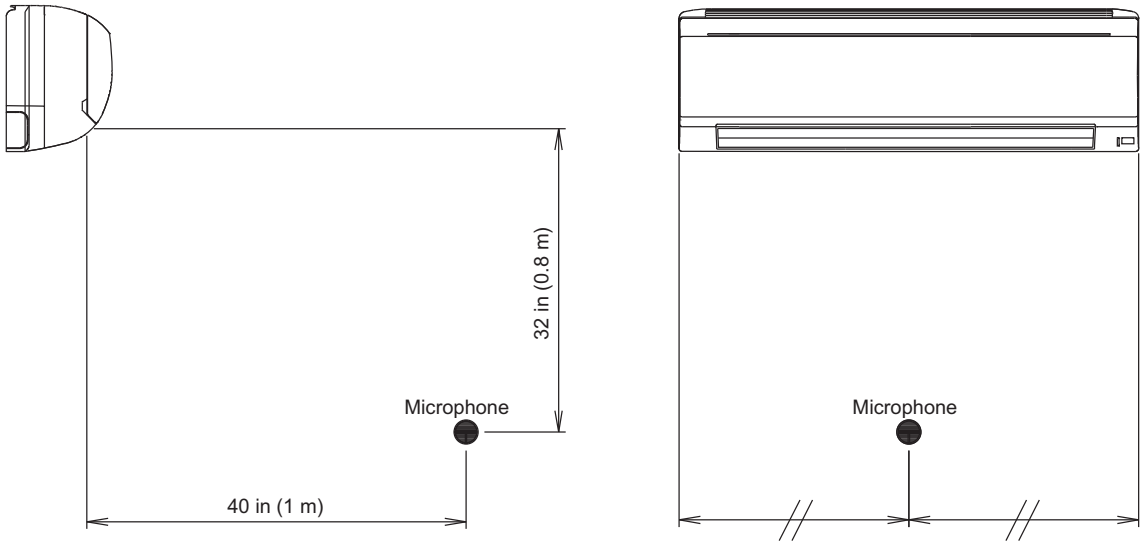
■ Slim duct type



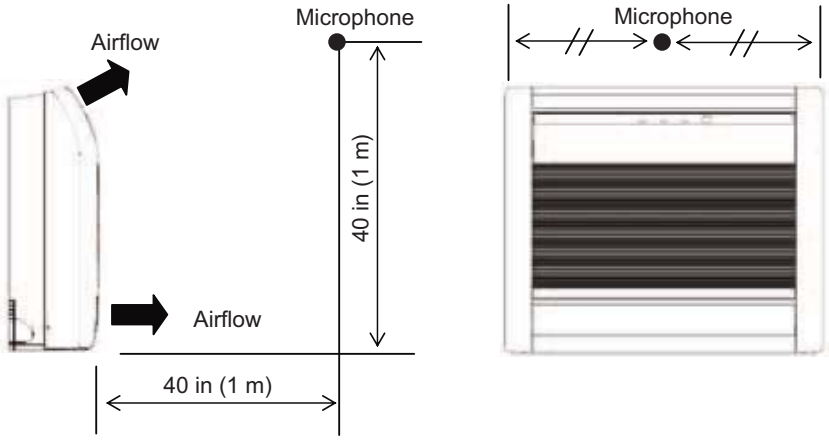
Side view

Front view

■ Wall mounted type



■ Floor type



10. Electrical characteristics

			Power supply		Indoor rated	
Type	Model name	Hz	Voltage (V)	MCA (A)	Input power (W)	FLA (A)
Compact cassette	RICH7AVFJ	60	208 / 230	0.19 / 0.19	17 / 18	0.15 / 0.15
	RICH9AVFJ			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	RIDH7AVFJ			0.40 / 0.41	47 / 33	0.32 / 0.30
	RIDH9AVFJ			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	RIWH7AVFJ			0.18 / 0.16	15 / 15	0.14 / 0.13
	RIWH9AVFJ			0.20 / 0.19	17 / 17	0.16 / 0.15
	RIWH12AVFJ			0.25 / 0.24	22 / 22	0.20 / 0.19
	RIWH15AVFJ			0.34 / 0.31	28 / 28	0.27 / 0.25
	RIWH18AVFJ			0.42 / 0.40	40 / 41	0.34 / 0.32
	RIWH24AVFJ			0.71 / 0.66	68 / 69	0.57 / 0.53
				0.18 / 0.17	15 / 15	0.14 / 0.13
				0.20 / 0.19	17 / 17	0.16 / 0.15
				0.25 / 0.24	22 / 22	0.20 / 0.19
				0.19 / 0.18	16 / 16	0.15 / 0.14
				0.22 / 0.21	19 / 19	0.18 / 0.17
				0.26 / 0.25	23 / 23	0.21 / 0.20
Floor	RIFH9AVFJ			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	AWG	14
	Limited wiring length	ft (m)	85 (26)

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

11. Safety devices

Indoor unit type	Model name	PCB* fuse	Fan motor thermal protector	Terminal thermal fuse	Float switch
Compact cassette	RICH7AVFJ RICH9AVFJ 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	RIDH7AVFJ RIDH9AVFJ 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	RIWH7AVFJ RIWH9AVFJ RIWH12AVFJ RIWH15AVFJ	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	—	—
	RIWH18AVFJ RIWH24AVFJ	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)	—
Floor	RIFH9AVFJ 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

12. 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	●	●	—	—	● (RIWH7/9/12/15AVFJ
Floor	●	●	—	—	●

12-1. External input

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

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

■ Control input (Operation/Stop or Forced stop)

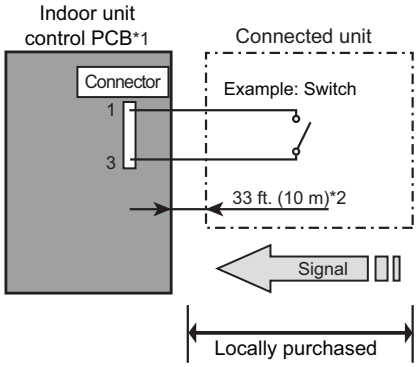
Indoor unit type		Connector
Compact cassette		CN102
Slim duct		CN102
Wall mounted	RIWH7AVFJ, RIWH9AVFJ, RIWH12AVFJ, RIWH15AVFJ	CNA01
	RIWH18AVFJ, RIWH24AVFJ	
		CN303
		CN14
Floor	RIFH9AVFJ, RIFH12AVFJ, RIFH15AVFJ	CN14

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

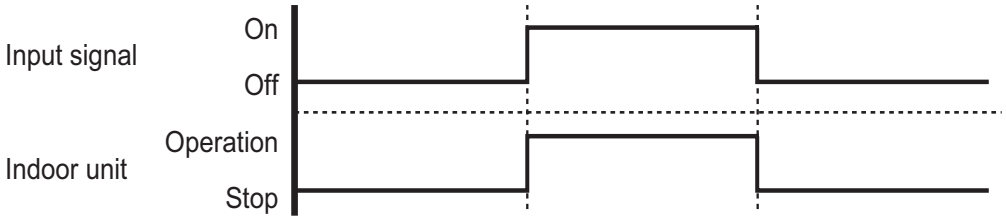
● Circuit diagram example



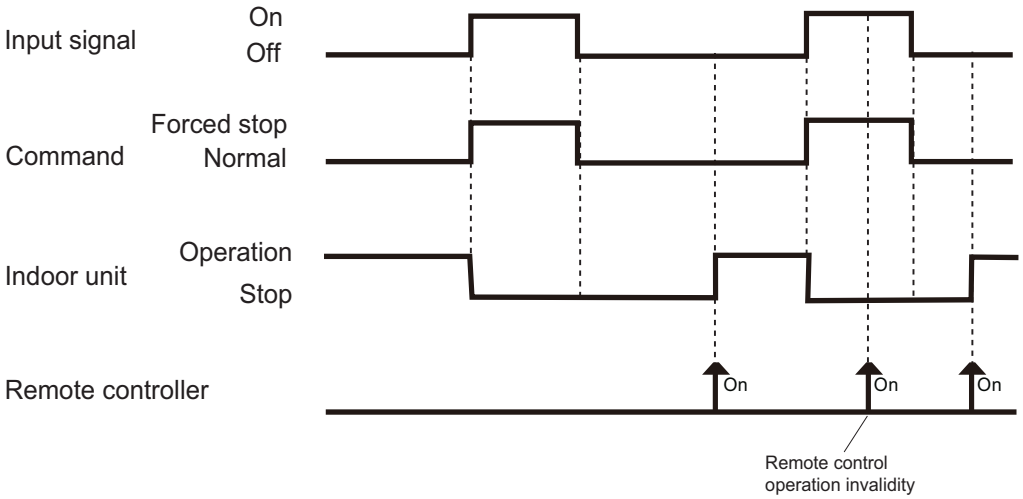
- Contact capacity: DC 24 V or more, 10 mA or more.
- *1: PCB of Communication kit is used for wall mounted (RIWH7AVFJ, RIWH9AVFJ, RIWH12AVFJ, and RIWH15AVFJ) type.
- *2: Make the distance from the PCB to the connected unit within 33 ft (10 m).
- Use non-polar relays and switches.

Indoor unit type		1-pin (Polarity)	3-pin (Polarity)
Compact cassette		-	+
Slim duct		-	+
Wall mounted	RIWH7AVFJ,RIWH9AVFJ, RIWH12AVFJ, RIWH15AVFJ RIWH18AVFJ, RIWH24AVFJ	-	+
Floor	RIFH9AVFJ, RIFH12AVFJ, RIFH15AVFJ	-	+

- When function setting is "Operation/Stop" mode

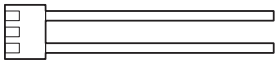


- When function setting is "Forced stop" mode

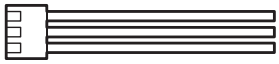


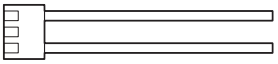
● Optional part

Indoor unit type		Parts name	Model name
Compact cassette		External connect kit	RXXWZX
Wall mounted	RIWH7AVFJ, RIWH9AVFJ, RIWH12AVFJ, RIWH15AVFJ		RXXWZXZ5
	RIWH18AVFJ, RIWH24AVFJ		RXXXWZX
Floor	RIFH9AVFJ, RIFH12AVFJ, RIFH15AVFJ		RXXWZXZ5



RXXWZX





RXXWZXZ5

Indoor unit type		Parts name	Model name
Compact cassette		—	—
Slim duct		—	—
Wall mounted	RIWH7AVFJ, RIWH9AVFJ, RIWH12AVFJ, RIWH15AVFJ	Communication kit	RXXCBXZ2
			RXTWBXF
	RIWH18AVFJ, RIWH24AVFJ	—	—
Floor	RIFH9AVFJ, RIFH12AVFJ, RIFH15AVFJ	—	—

*For operating the external input function, the wall mounted type RIWH7AVFJ, RIWH9AVFJ, RIWH12AVFJ, and RIWH15AVFJ) requires optional communication kit (RXTWBXF1/RXXCBXZ2) in addition to the wire (RXXWZXZ5).

12-2. External output

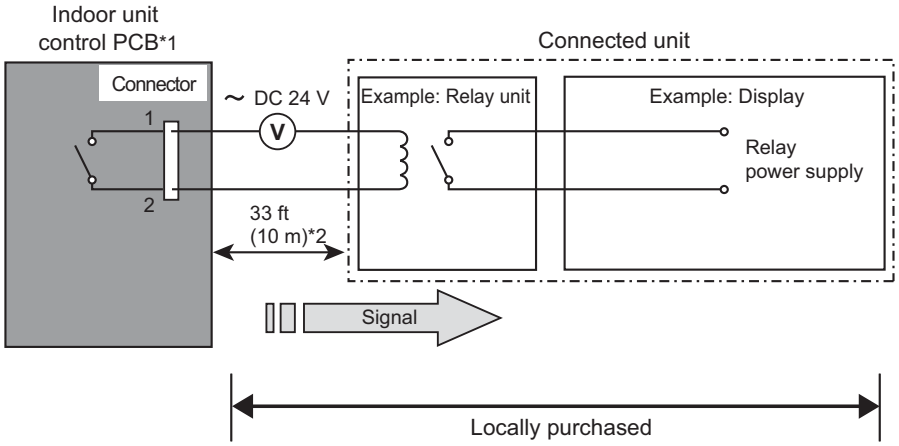
Use an external output cable with appropriate external dimension, depending on the number of cables to be installed.

■ Operation status output

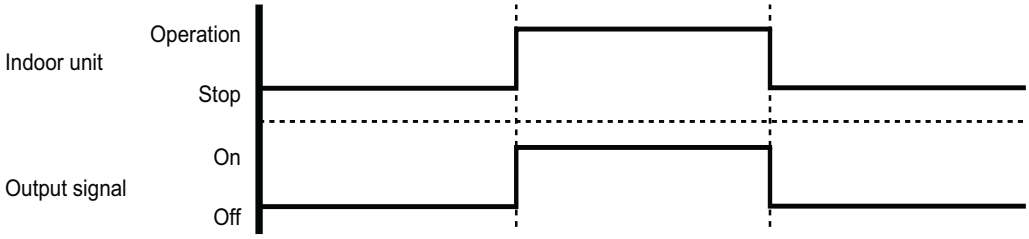
Indoor unit type		Connector
Compact cassette		CN103
Slim duct		CN103
Wall mounted	RIWH7AVFJ, RIWH9AVFJ, RIWH12AVFJ, RIWH15AVFJ	CNB01
	RIWH18AVFJ, RIWH24AVFJ	CN16
Floor	RIFH9AVFJ, RIWH12AVFJ, RIWH15AVFJ	CN20

Air conditioner operation status signal can be output.

● Circuit diagram example

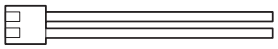


- *1: PCB of Communication kit is used for wall mounted type (RIWH7AVFJ, RIWH9AVFJ, RIWH12AVFJ, and RIWH15AVFJ).
- *2: Make the distance from the PCB to the connected unit within 33 ft (10 m).
- Relay spec: Max. DC 24 V, 10 mA to less than 500 mA.



● Optional part

Indoor unit type		Parts name	Model name
Compact cassette		External connect kit	RXXWZX
Wall mounted	RIWH7AVFJ, RIWH9AVFJ, RIWH12AVFJ, RIWH15AVFJ		RXXWZXZ5
	RIWH18AVFJ, RIWH24AVFJ		RXXWZX
Floor	RIFH9AVFJ, RIFH12AVFJ, RIFH15AVFJ		RXXWZXZ5



Indoor unit type		Parts name	Model name
Compact cassette		—	—
Slim duct		—	—
Wall mounted	RIWH7AVFJ, RIWH9AVFJ, RIWH12AVFJ, RIWH15AVFJ	Communication kit	RXXCBXZ2
	RIWH18AVFJ, RIWH24AVFJ	—	—
Floor	RIFH9AVFJ, RIFH12AVFJ, RIFH15AVFJ	—	—

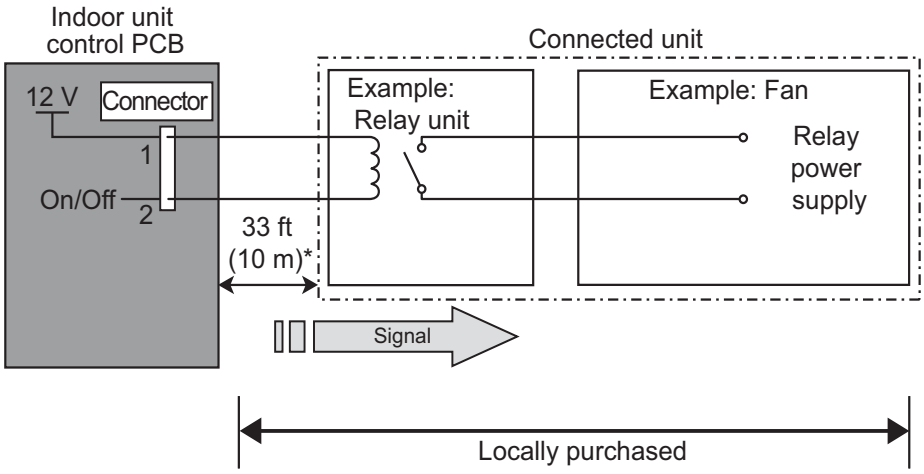
*For operating the external output function, the wall mounted type (RIWH7AVFJ, RIWH9AVFJ, RIWH12AVFJ, and RIWH15AVFJ) requires optional Communication kit (RXXCBXZ2) in addition to the wire (RXXWZXZ5).

■ Fresh air control output

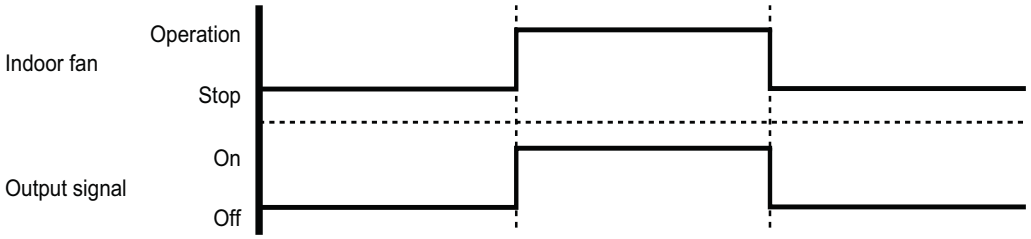
Indoor unit type	Connector
Compact cassette	CN6
Slim duct	CN6
Wall mounted	—
Floor	

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).



● Optional part

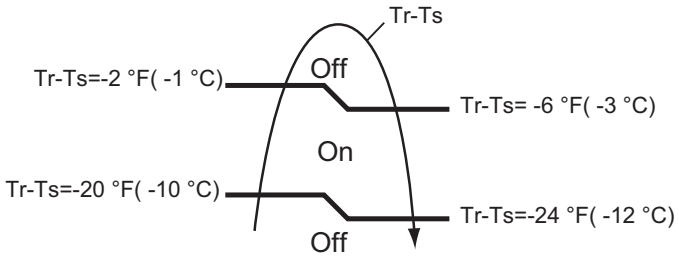
Indoor unit type	Parts name	Model name
Compact cassette		
Slim duct		
Wall mounted	—	—
Floor	—	—

■ 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.

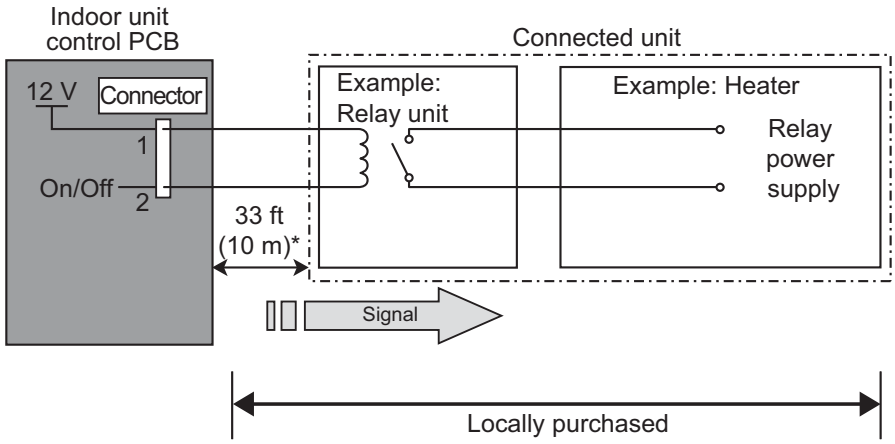


● Fan delay setting (JM3)

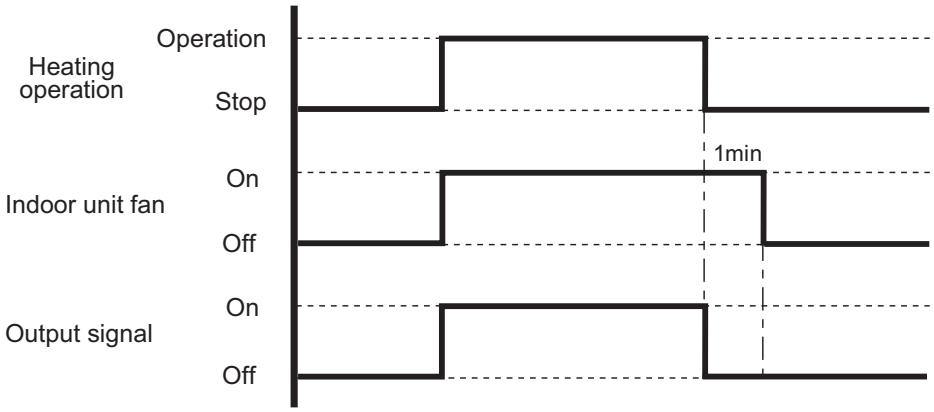
This is used to continue indoor unit fan operation for 1 minute after thermostat "Off" in heating mode.

1 minute delay control set by cutting jumper wire on PCB.

● Circuit diagram example

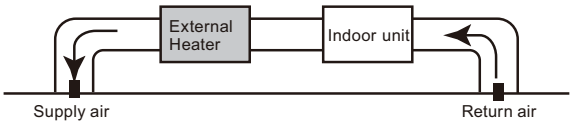


- Relay spec.: Rated DC 12 V, 50 mA to less.
- *: Make the distance from the PCB to the connected unit within 33 ft (10 m).



⚠CAUTION

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



- Be sure to use delay control of a fan.

● Optional part

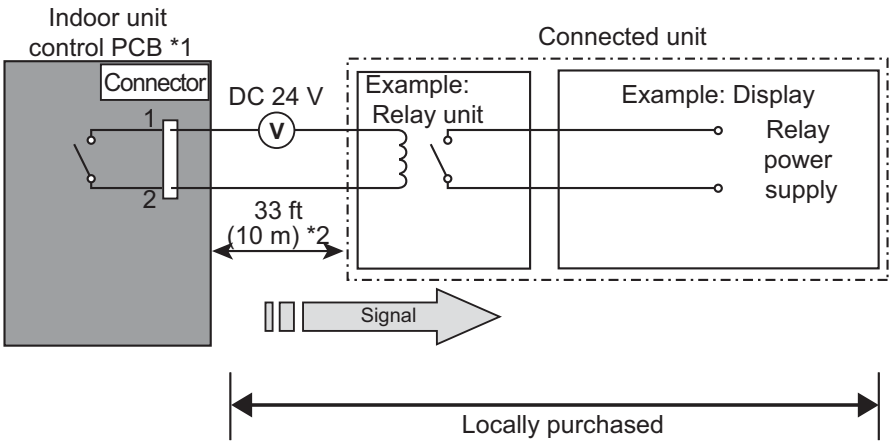
Indoor unit type	Parts name	Model name
Compact cassette	—	—
Slim duct		
Wall mounted	—	—
Floor	—	—

■ Error status output

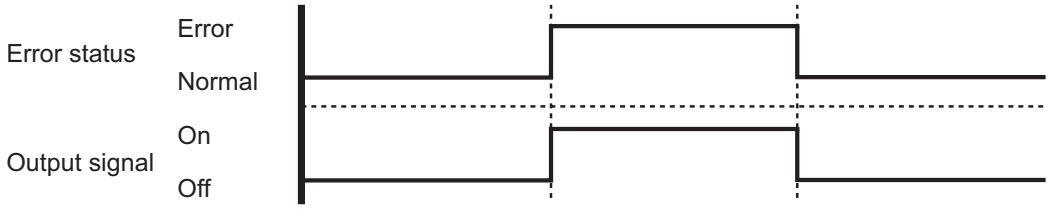
Indoor unit type		Connector
Compact cassette		—
Slim duct		—
Wall mounted	RIWH7AVFJ, RIWH9AVFJ, RIWH12AVFJ, RIWH15AVFJ	CNB02
		—
	RIWH18AVFJ, RIWH24AVFJ	—
Floor	RIFH9AVFJ, RIFH12AVFJ, RIFH15AVFJ	CN21

An air conditioner error status signal can be output.

● Circuit diagram example

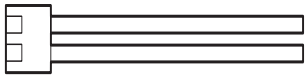


- *1: PCB of Communication kit is used for wall mounted type (RIWH7AVFJ, RIWH9AVFJ, RIWH12AVFJ, and RIWH15AVFJ).
- *2: Make the distance from the PCB to the connected unit within 33 ft (10 m).
- Relay spec.: Rated DC 12 V, 50 mA to less.



● Optional part

Indoor unit type		Parts name	Model name
Compact cassette		—	—
Slim duct		—	—
Wall mounted	RIWH7AVFJ, RIWH9AVFJ, RIWH12AVFJ, RIWH15AVFJ	External connect kit	RXXWZXZ5
		—	—
	RIWH18AVFJ, RIWH24AVFJ	—	—
Floor	RIWH9AVFJ, RIWH12AVFJ, RIWH15AVFJ	External connect kit	RXXWZXZ5



Indoor unit type		Parts name	Model name
Compact cassette		—	—
Slim duct		—	—
Wall mounted	RIWH7AVFJ, RIWH9AVFJ, RIWH12AVFJ, RIWH15AVFJ	Communication kit	RXXCBXZ2
		—	—
	RIWH18AVFJ, RIWH24AVFJ	—	—
Floor	RIFH9AVFJ, RIFH12AVFJ, RIFH15AVFJ	—	—

*For operating the external input function, the wall mounted type (RIWH7AVFJ, RIWH9AVFJ, RIWH12AVFJ, and RIWH15AVFJ) requires Communica-tion kit (RXXCBXZ2) in addition to the wire (RXXWZXZ5).

13. Function settings

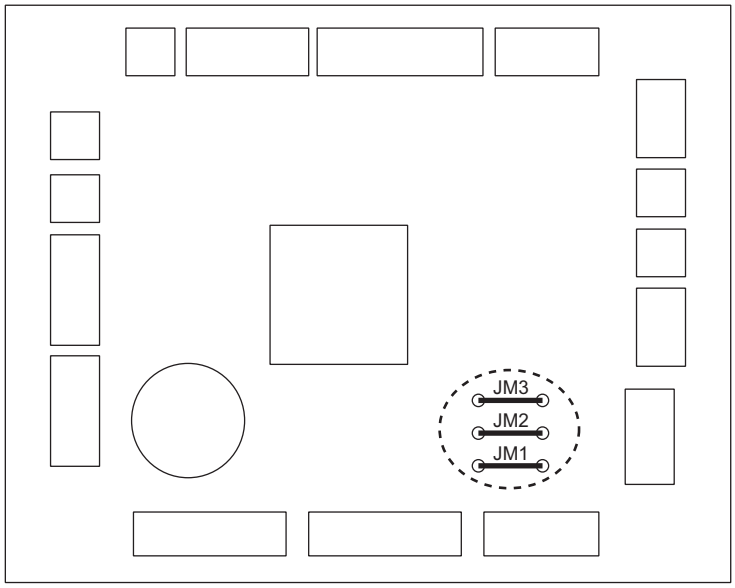
To adjust the functions of this product according to the installation environment, various types of function settings are available.

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 "Valid".

JM2	Function	Factory setting
Connect	Disable	♦
Disconnect	Enable	

● Fan delay setting (JM3)

JM3	Function	Factory setting
Connect	Disable	♦
Disconnect	Enable	

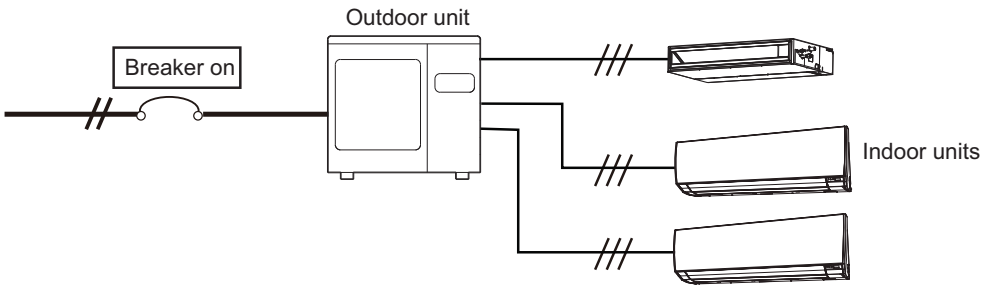
13-2. Indoor unit (setting by wireless remote controller)

- 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

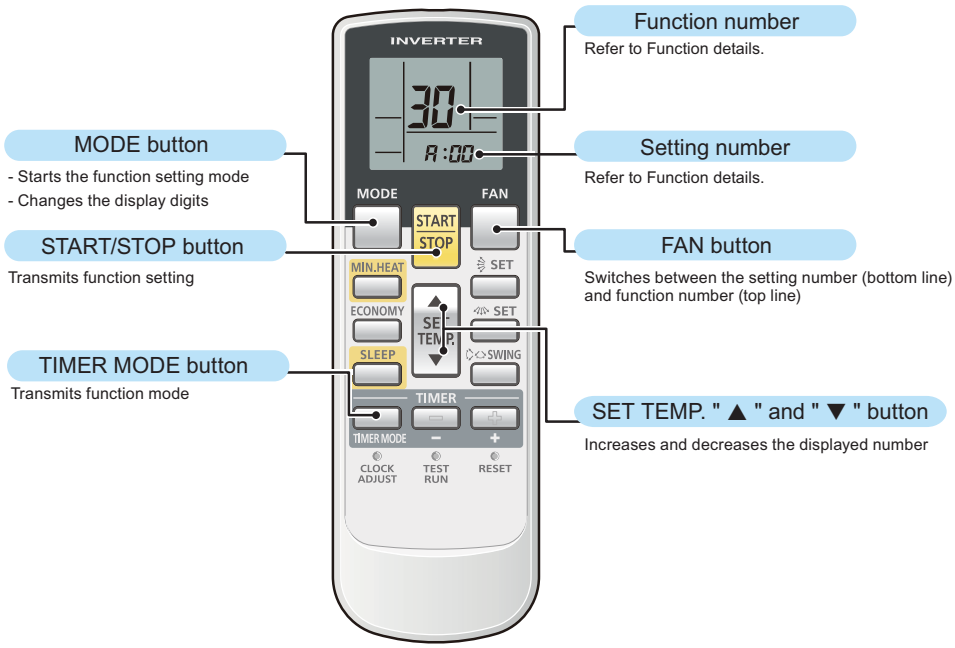
Before connecting the power supply of the indoor unit, reconfirm following items:

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



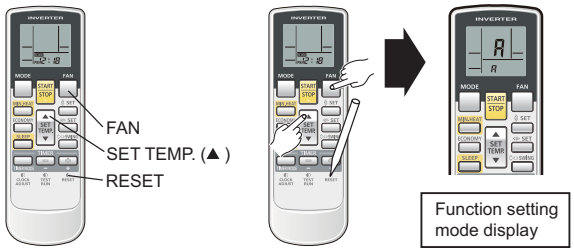
● Button name and function

During address setting mode, indoor unit reject the any operation command from remote con-troller.

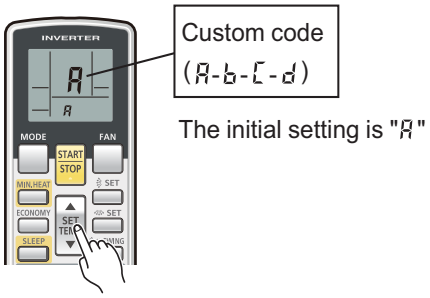


● Function setting procedure

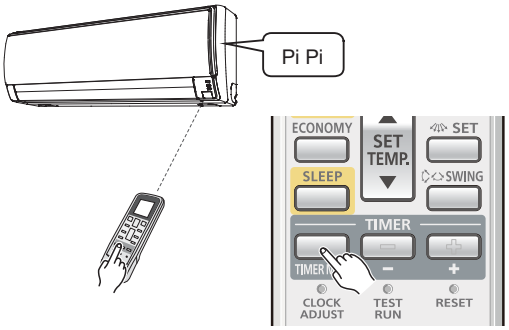
1. Connect the power supply of the outdoor unit.
2. To enter the function setting mode, while holding down the FAN and the SET TEMP. ▲ buttons, press the RESET button.



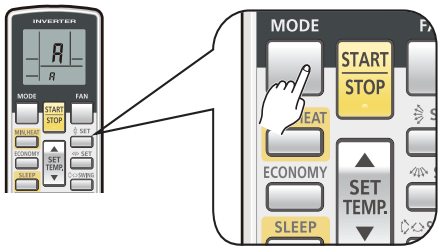
3. Press the SET TEMP. ▲ or ▼ buttons to select the custom code that matches the setting with the indoor unit. By selecting the appropriate custom code, the communication between the indoor unit and the wireless remote controller become possible.



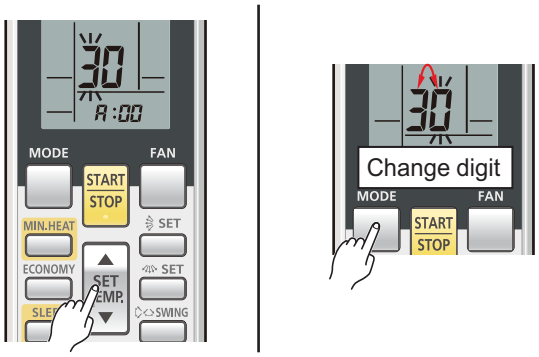
4. For confirming the custom code, press the TIMER MODE button to send the code to the indoor unit.



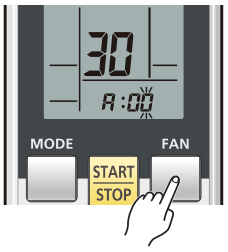
5. Press the MODE button to enter the function setting mode.



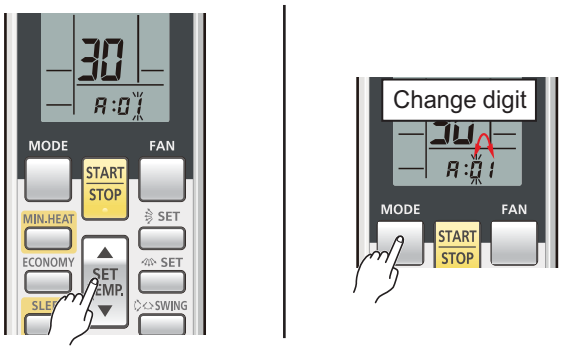
6. Select the function number by pressing the ▲ or the ▼ button.
Each time the MODE button is pressed, it switches between the left digit and the right digit.



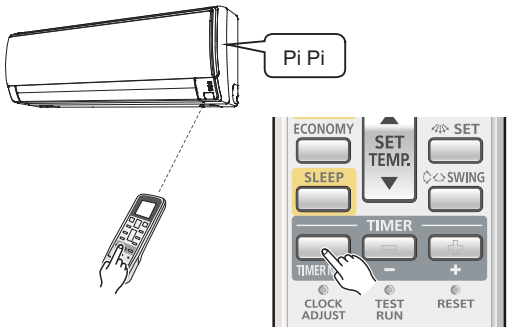
7. Proceed to number setting by pressing the FAN button.
To return to the function number selection, press the FAN button again.



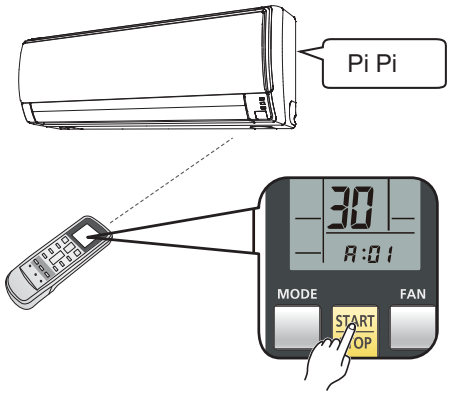
8. Select the setting number by pressing the ▲ or the ▼ button.
Each time the MODE button is pressed, it switches between the left digit and the right digit.



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



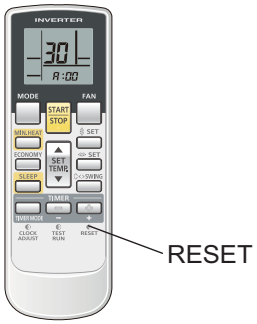
10. Send the function setting information by pressing the START/STOP button once.
2 short beeps will be emitted from the indoor unit when the signal is received correctly. If wrong code is set, no beep sound will be emitted.



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

Function details: Refer to Chapter 13-5. "Function details" on page 156.

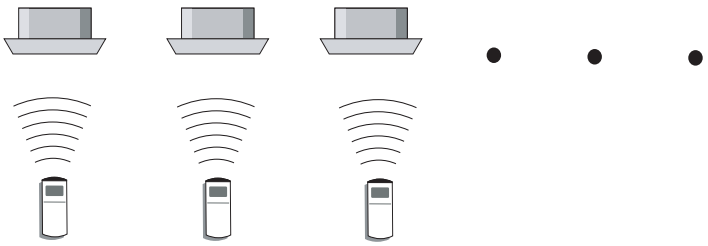
11. Exit the function setting mode by pressing the RESET button.



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.



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

NOTES:

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

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

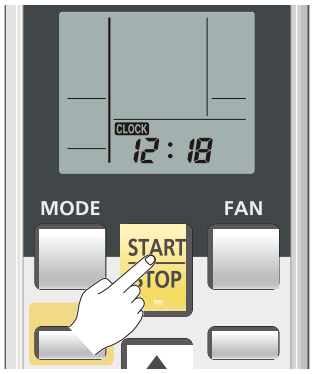
Adjust the operation mode to either cooling or heating before starting the operation of the air conditioner.

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

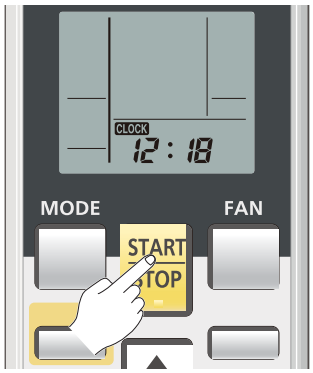
● Remote controller custom code setting

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

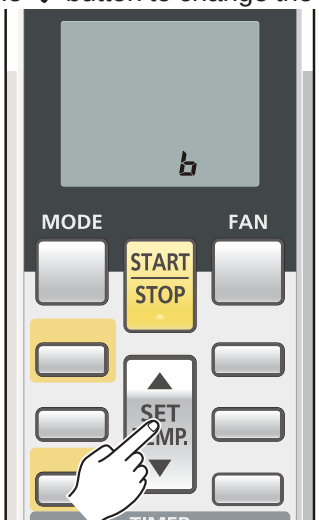
1. Press the START/STOP button until only the clock is displayed on the remote controller display.



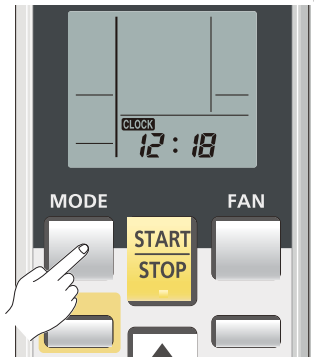
2. Press the MODE button for at least 5 seconds to display the current custom code (initially set to A).



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



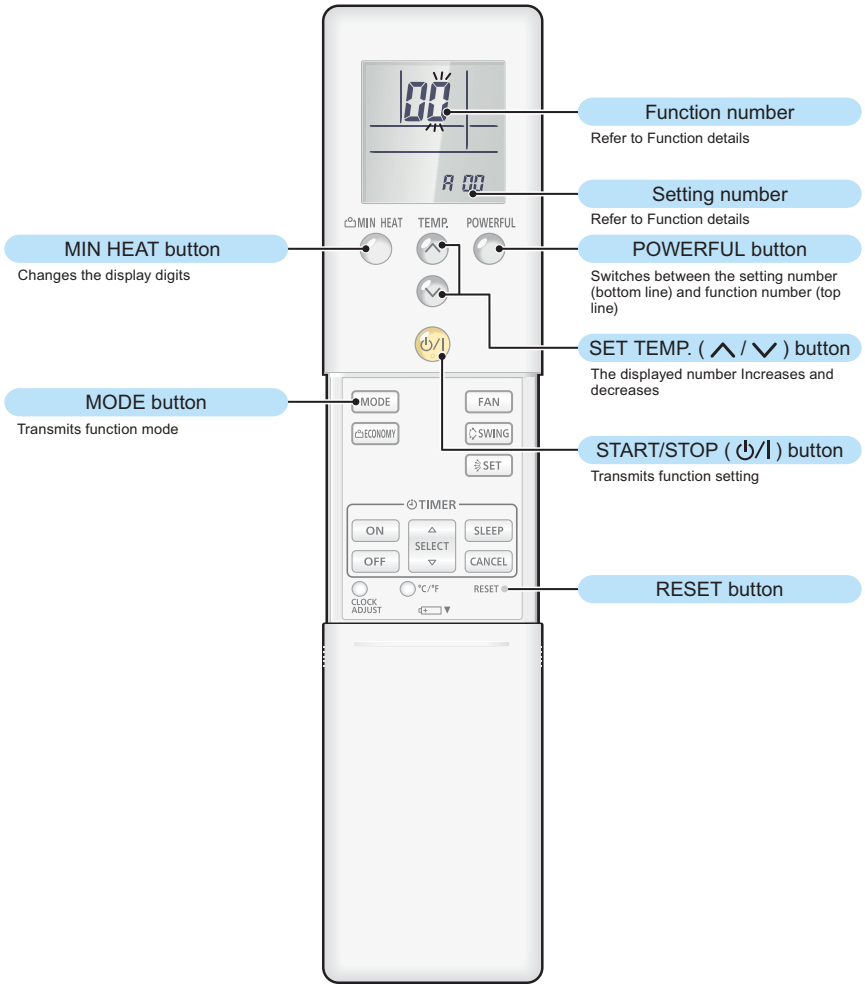
4. Press the MODE button again to return to the clock display. The custom code will be changed.



- 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.

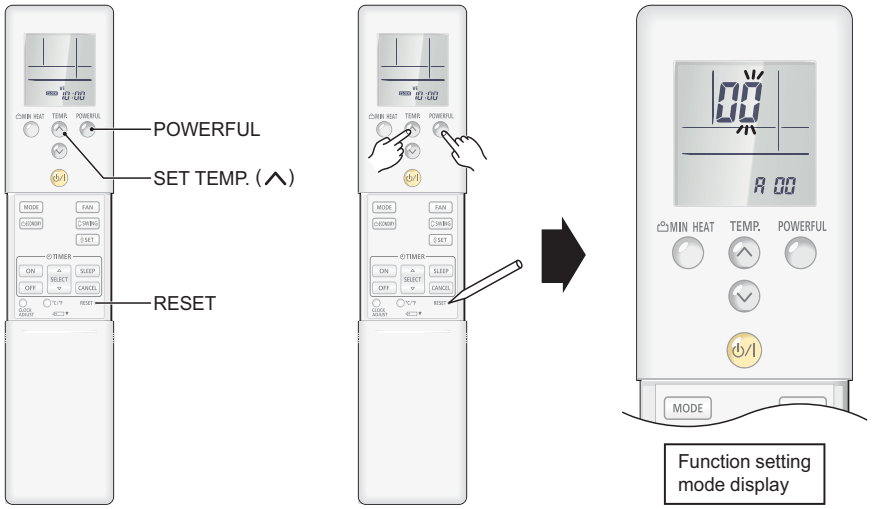
● Button name and function

During address setting mode, indoor unit reject the any operation command from remote con-troller.



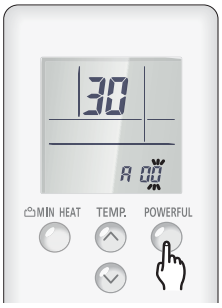
● Function setting procedure

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

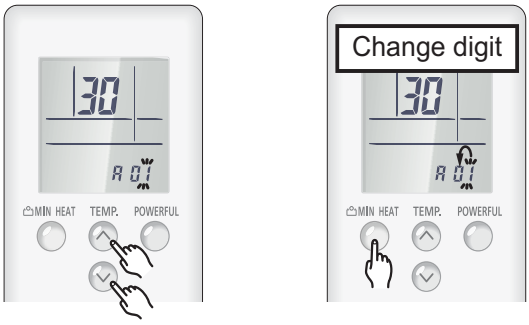


3. Select the function number by pressing the ∧ or the ∨ buttons. Each time the MIN. HEAT button is pressed, it switches between the right digit and the left digit.

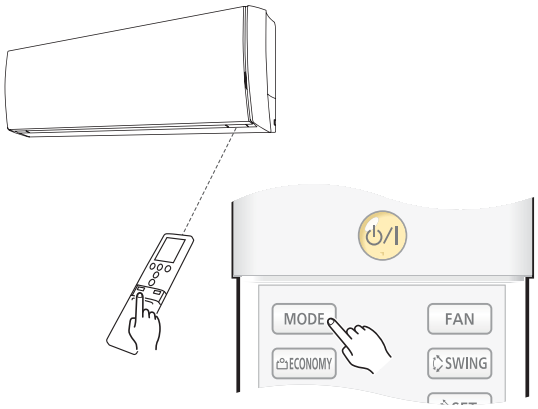
4. Proceed to the setting number by pressing the POWERFUL button. (To return to the function number selection, press the POWERFUL button again.)



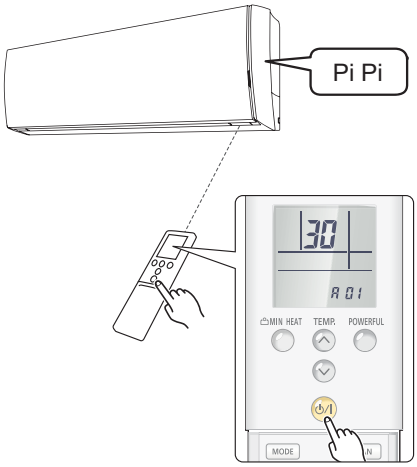
5. Select the function number by pressing the ∧ or the ∨ button. Each time the MIN. HEAT button is pressed, it switches between the right digit and the left digit.



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



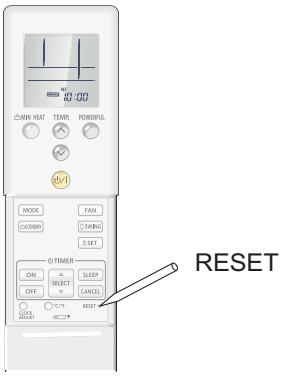
7. Press the ⏻/I button once to transmit the function setting information. 2 short beeps will be emitted from the indoor unit when the signal is received correctly. If wrong code is set, no beep sound will be emitted.



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

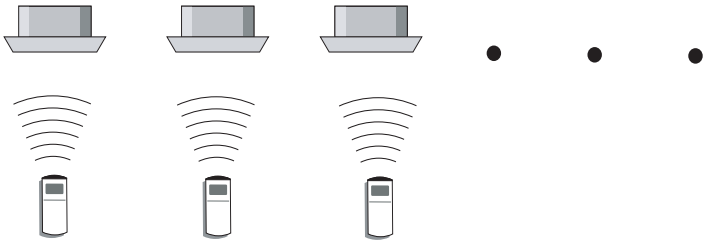
For the function details, refer to Chapter 13-5. "Function details" on page 156.

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



● Setting up each indoor unit

Repeat step from 1. to 8. to set up each indoor unit. If the custom code is other than "4", steps from 1. to 2. and 8. need to be performed.



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

NOTES:

- If the reset is not performed, function can not 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.

● 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.

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.

● 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”.):

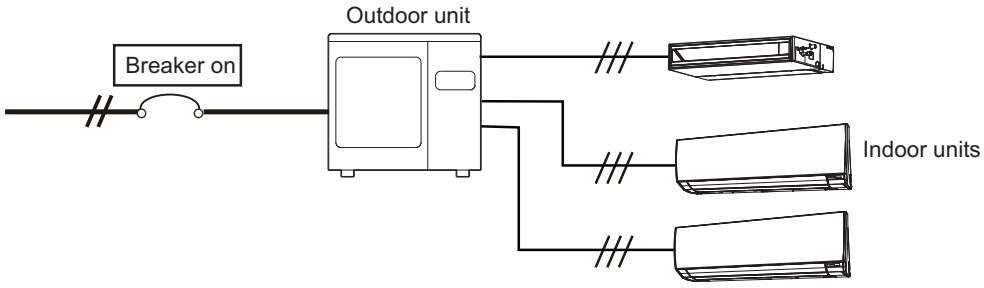
13-3. Indoor unit (setting by wired remote controller)

- 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:

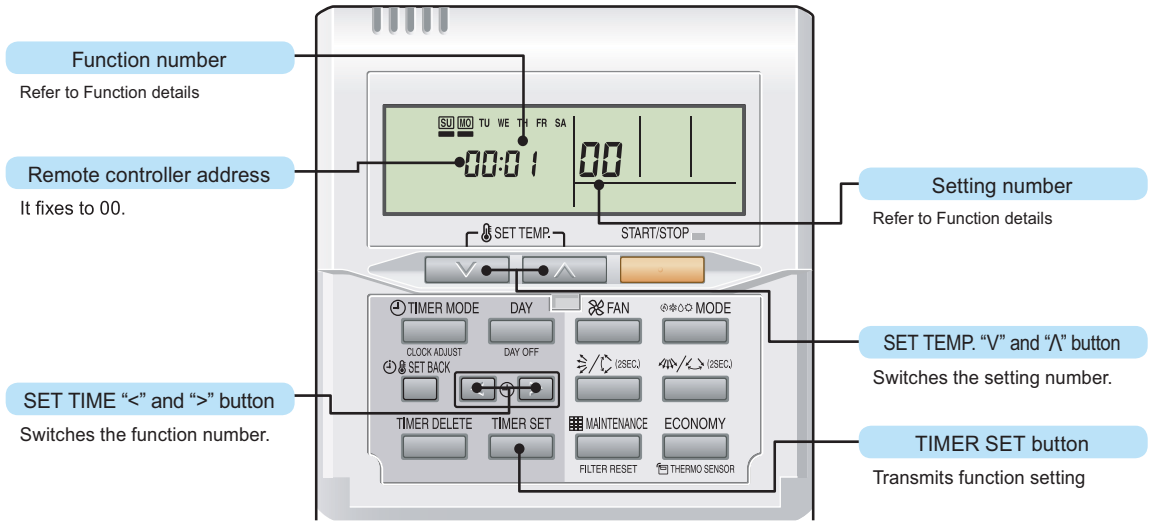
- Piping air tight test and vacuuming have been performed firmly.
- There is no wiring mistake. Then, connect the power supply of the indoor unit.



■ RXRNNUM

● Button name and function

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

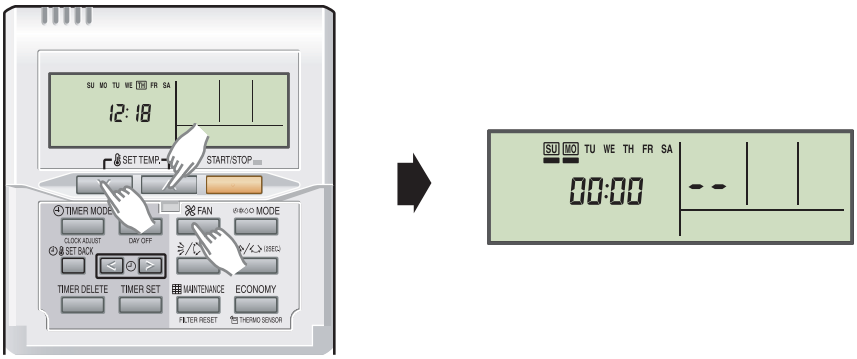


● Function setting procedure

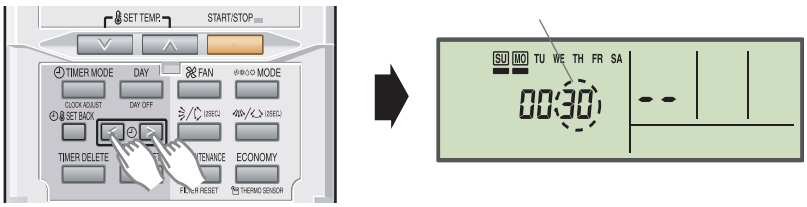
1. Connect the power supply of the outdoor unit.

2. Switch to the function setting mode.

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

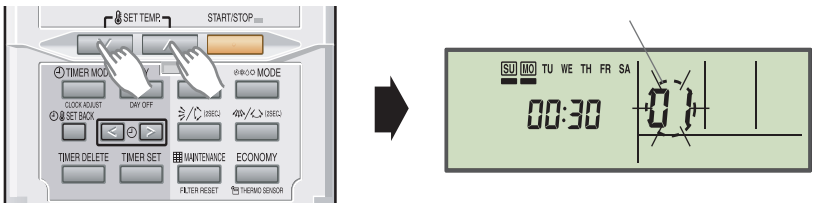


3. Select the function number by pressing the SET TIME < or the SET TIME > button.

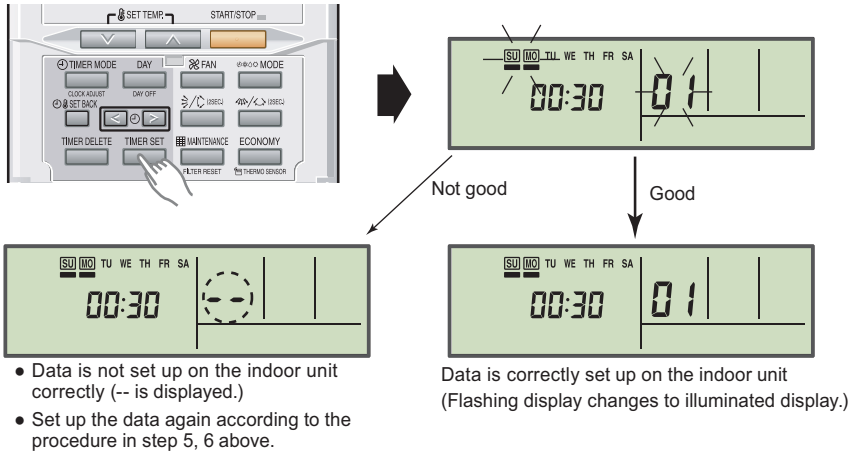


4. Select the setting number by pressing the SET TEMP. ∧ or the SET TEMP. ∨ button.

The display flashes during setting number selection.



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

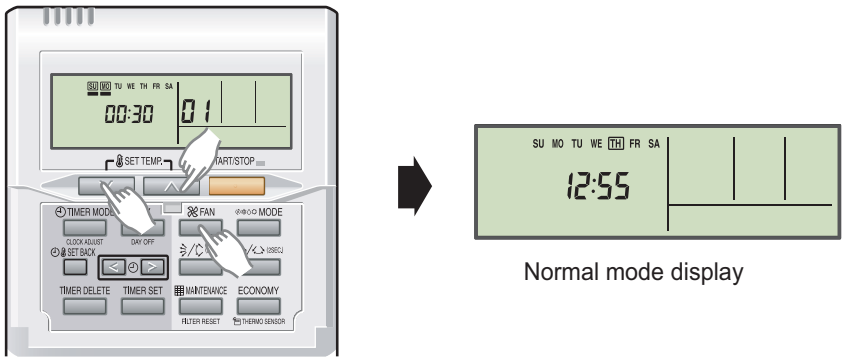


- Data is not set up on the indoor unit correctly (-- is displayed.)
- Set up the data again according to the procedure in step 5, 6 above.

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 156.

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 can not 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.

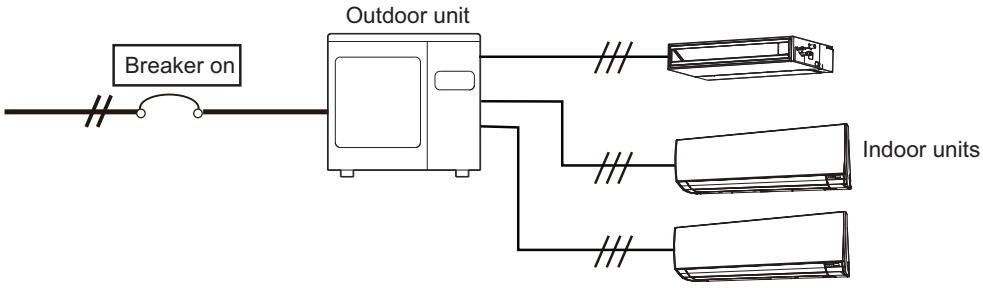
13-4. Indoor unit (setting by simple remote controller)

- 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:

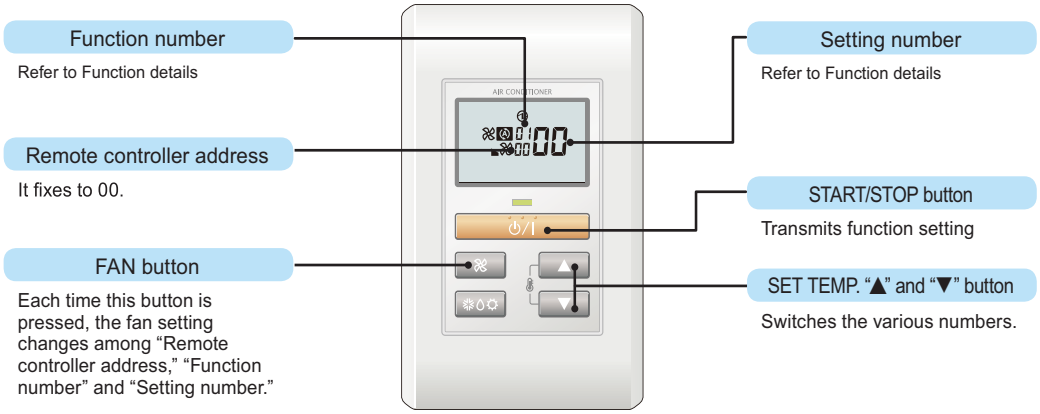
- Piping air tight test and vacuuming have been performed firmly.
- There is no wiring mistake. Then, connect the power supply of the indoor unit.



■ RXRSNUM

● Button name and function

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

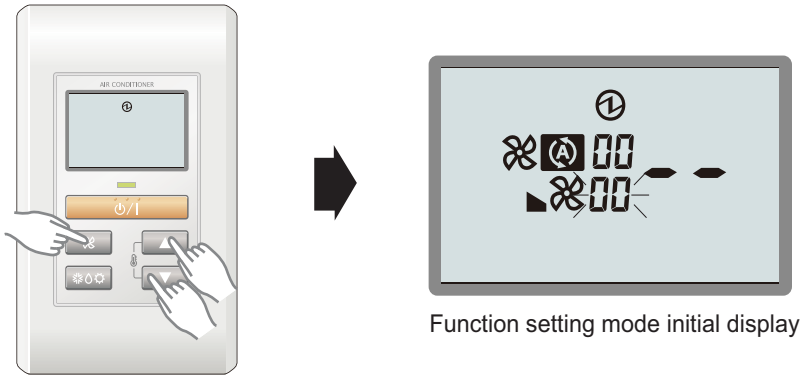


● Function setting procedure

1. Connect the power supply of the outdoor unit.

2. Switch to the function setting mode.

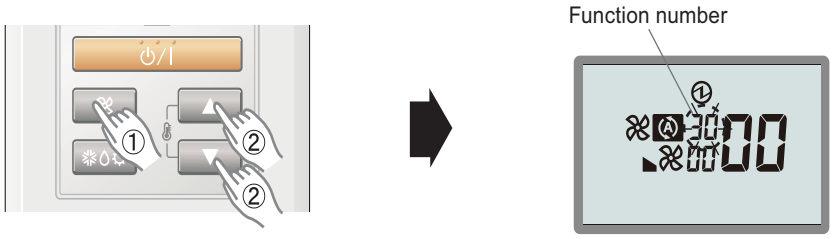
To enter the function setting mode, hold down the 3 buttons of SET TEMP. ▲, SET TEMP. ▼ and FAN at the same time for 5 seconds or longer.



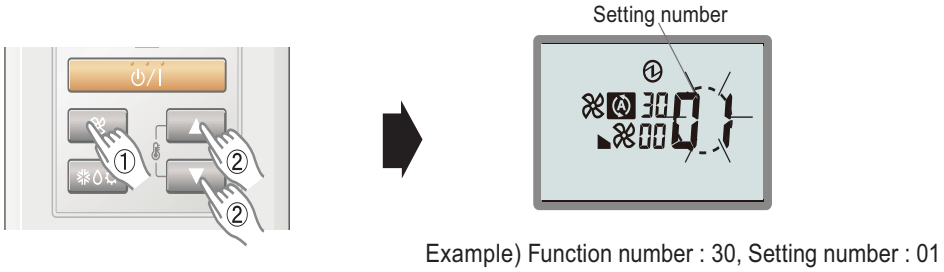
Function setting mode initial display

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.

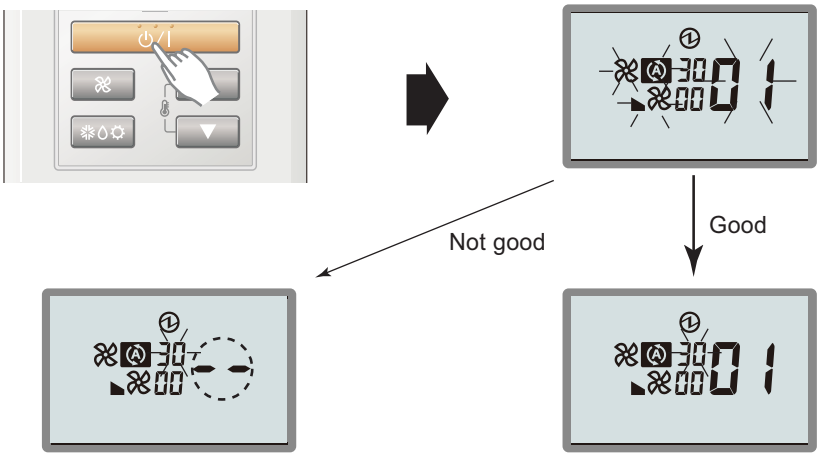


4. Select the setting number by pressing the SET TEMP. ▲ or SET TEMP. ▼ button.
The setting number indicator flashes during setting number selection.



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.

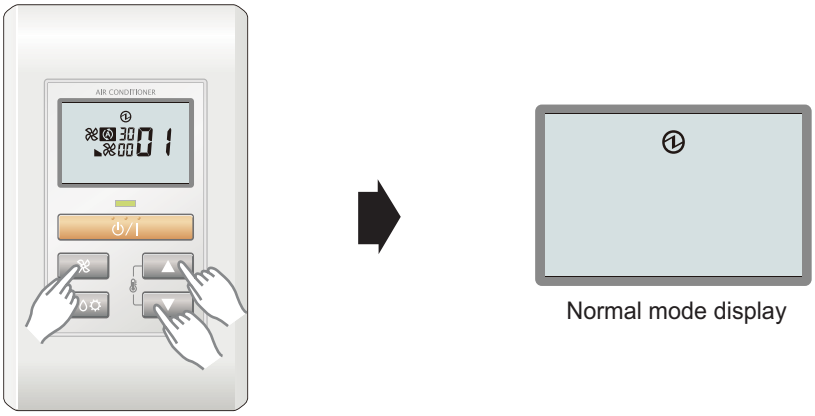


- Data is not set up on the indoor unit correctly (-- is displayed.)
- Set up the data again according to the procedure in step 3, 4 above.

Data is correctly set up on the indoor unit.

Function details: Refer to Chapter 13-5. "Function details" on page 156.

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



Normal mode display

If no button is pressed within 60 seconds after buttons mentioned above are pressed, it will automatically exit the function setting mode.
If you exit the function setting mode unintentionally during setting, enter the mode again according to the procedure in step 2.

● Setting up each indoor unit

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

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

NOTES:

- If the reset is not performed, function can not 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.

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	—	—	● (RIWH7/9/12/15AVFJ)	●
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/Ceiling
Standard	2,500 hours	400 hours		
Long interval	4,400 hours	1,000 hours		
Short interval	1,250 hours	200 hours		

2) Ceiling height

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

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

For the specific height for each setting value, refer to “Installation space” in Chapter 4. "Dimensions" on page 41.

In case of cassette type models:
The ceiling height values are for the 4-way outlet. Do not change this setting in the 3-way outlet mode.
7000, 9000 Btu/h models cannot be installed in high ceilings. Do not change this setting.

3) Outlet directions

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

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

4) Vertical airflow direction range control

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

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

5) Static pressure

Select the appropriate static pressure according to the installation conditions.

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

NOTE: Range of static pressure is different by model.

Model name	Range of static pressure
RIDH7AVFJ	0 to 0.36 in.WG (0 to 90 Pa)
RIDH9AVFJ	
RIDH12AVFJ	
RIDH18AVFJ	
RIDH24AVFJ	0 to 0.20 in.WG (0 to 50 Pa)

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 and Floor/Ceiling type models:
In floor console installations, select "01".

[For RlWH7AVFJ, RlWH9AVFJ, and RlWH12AVFJ]

Room temperature sensor control for cooling

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

Function number	Setting value	Setting description	Factory setting
30	00	Standard	♦
	01	Slightly lower control	
	02	Lower control	
	03	Higher control	

Room temperature sensor control for heating

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

Function number	Setting value	Setting description	Factory setting
31	00	Standard	♦
	01	Lower control	
	02	Slightly higher control	
	03	Higher control	

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.

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.

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.

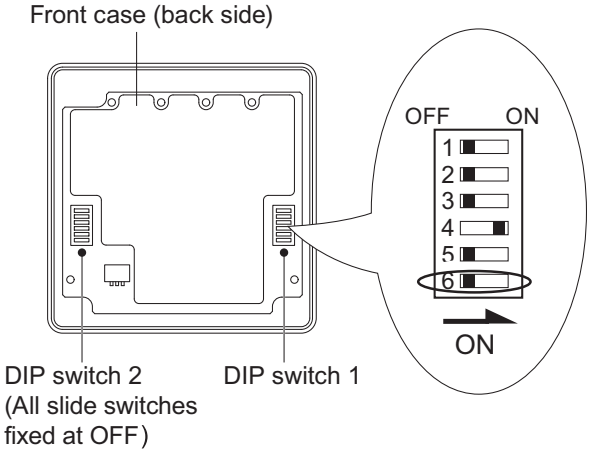
13-6. Wired remote controller

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 position

● Wired remote controller

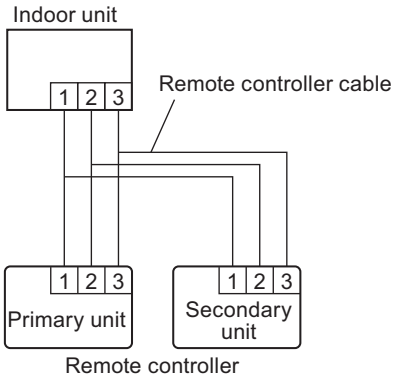


■ Dip switch 1 setting

● SW2: Dual remote controller setting

Set the remote controller SW2 according to the following table.

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



● SW4: Switching temperature unit °F / °C

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

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

● SW6: Memory backup setting (only for wired remote controller)

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	Invalidity	♦
ON	Validity	

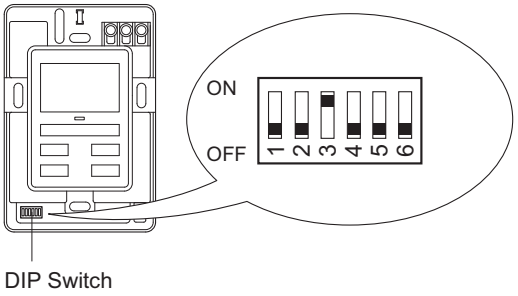
NOTE: Never turn it on in the case of simple remote controller.

13-7. Simple remote controller

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

■ Switch position

● Simple remote controller

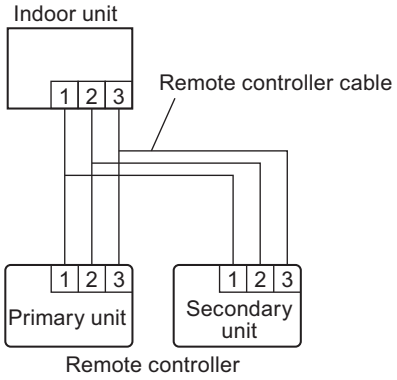


■ Dip switch setting

● 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

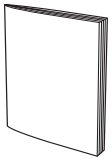
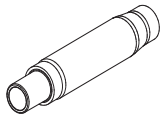
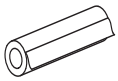
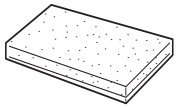
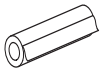
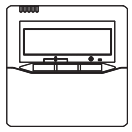
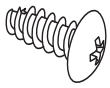
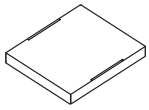
Displayed temperature unit can be switched between Fahrenheit (°F) and Celsius (°C).

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

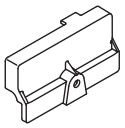
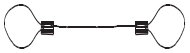
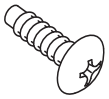
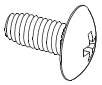
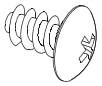
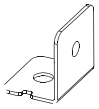
14. Accessories

14-1. Compact cassette type

■ Models: RICH7AVFJ, RICH9AVFJ, RICH12AVFJ, and RICH18AVFJ

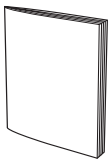
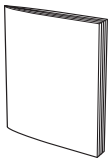
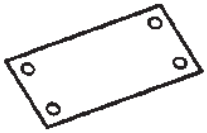
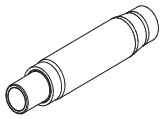
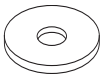
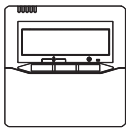
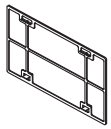
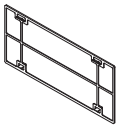
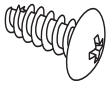
Part name	Exterior	Q'ty	Part name	Exterior	Q'ty
Operating manual		1	Drain hose		1
Installation manual		1	Hose band		1
Coupler heat insulation (Large)		1	Drain hose insulation		1
Coupler heat insulation (Small)		1	Remote controller		1
Special nut A (Large flange)		4	Remote controller cable		1
Special nut B (Small flange)		4	Tapping screw (M4 × 16 mm)		2
Template (Carton top)		1			

■ Cassette grille accessories

Part name	Exterior	Q'ty	Part name	Exterior	Q'ty
Connector cover		1	Hook wire		2
Tapping screw (M5 × 12 mm)		4	Screw (pitch small) (M4 × 10 mm)		2
Tapping screw (M4 × 12 mm)		1	Screw (pitch large) (M4 × 10 mm)		4
L angle		2			

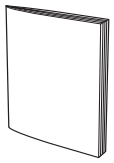
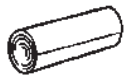
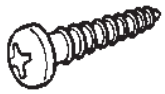
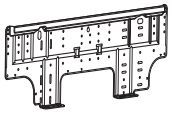
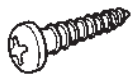
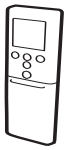
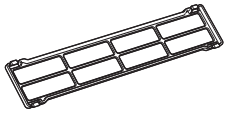
14-2. Slim duct type

■ Models: RIDH7AVFJ, RIDH9AVFJ, RIDH12AVFJ, RIDH18AVFJ, and RIDH24AVFJ

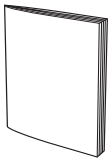
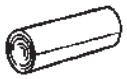
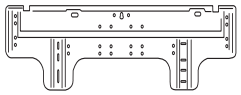
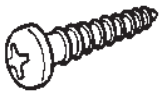
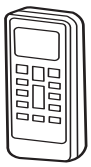
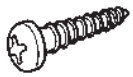
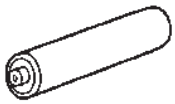
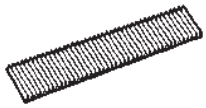
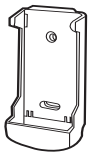
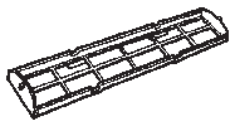
Part name	Exterior	Q'ty	Part name	Exterior	Q'ty
Operating manual		1	Cable tie (large)		4
Installation manual		1	Cable tie (small)		3
Installation template		1	Drain hose		1
Washer		8	Hose band		1
Coupler heat insulation (large)		1	Drain hose insulation B		1
Coupler heat insulation (small)		1	Remote controller		1
Filter (Small) (For AR7/9/12/24)		2	Remote controller cable		1
Filter (Big) (For AR18/24)		2 (AR 18)	Tapping screw (M4 × 16 mm)		2
		1 (AR 24)			

14-3. Wall mounted type

■ Models: RlWH7AVFJ, RlWH9AVFJ, RlWH12AVFJ, and RlWH15AVFJ

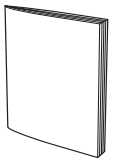
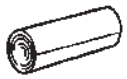
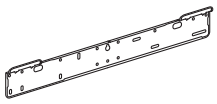
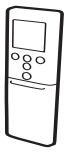
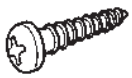
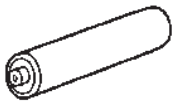
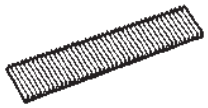
Part name	Exterior	Q'ty	Part name	Exterior	Q'ty
Operating manual		1	Cloth tape		1
Installation manual		1	Tapping screw (large), M4 × 25 mm		5
Wall hook bracket		1	Tapping screw (small),		2
Remote controller		1	Air cleaning filter		2
Battery		2	Filter holder		2
Remote controller holder		1	Seal A • It is necessary when using AS15. • It is used when the diameter of gas pipe is Ø12.70 or more.		1

■ Models: RlWH18AVFJ and RlWH24AVFJ

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), M4 × 25 mm		8
Remote controller		1	Tapping screw (small)		2
Battery		2	Air cleaning filter		2
Remote controller holder		1	Air cleaning filter frame		2

14-4. Floor type

■ Models: RIFH9AVFJ, 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), M4 × 25 mm		9
Remote controller		1	Tapping screw (small), M3 × 12 mm		2
Battery		2	Air cleaning filter		2
Remote controller holder		1			

15. Optional parts

15-1. Controller

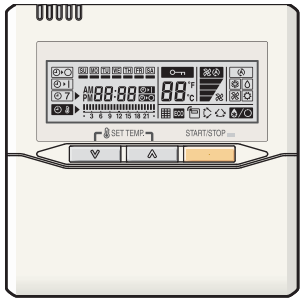
■ Lineup

Indoor unit type		Type						
		Wired remote controller	Wireless remote controller				IR receiver unit	Simple remote controller
		RXR NNUM						RXR SNUM
Compact cassette		●	○	—	—	—	—	○
Slim duct		●	—	—	—	—	○	○
Wall mounted	RIWH7AVFJ RIWH9AVFJ RIWH12AVFJ RIWH15AVFJ	○*1	—	—	—	●	—	○*1
	RIWH18AVFJ RIWH24AVFJ	○	●	—	—	—	—	○
Floor	RIFH9AVFJ RIFH12AVFJ RIFH15AVFJ	○	—	—	—	●	—	○

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

- *1: Optional Communication kit (RXXCBXZ2) is necessary for the installation.
- *2: Optional Communication kit (RXTWBXF1) is necessary for the installation.

■ Parts

Wired remote controller	Simple remote controller	IR receiver unit
		
RXRNNUM	RXRSNUM	

Wireless remote controller			

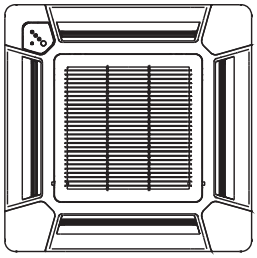
15-2. Cassette grille

■ Lineup

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

Type	Model	Indoor units
		Compact cassette
Cassette grille	RXCCGF	○

■ Part

Cassette grille
 RXCCGF

15-3. Others

■ Lineup

Indoor unit type		Type					
		Air outlet shutter plate	Insulation kit for high humidity	Fresh air intake kit	External control set	External connect kit	
					UTD-ECS5A	RXX XWZX	RXX WZXZ5
Wall mounted	RIWH7AVFJ RIWH9AVFJ RIWH12AVFJ RIWH15AVFJ	—	—	—	—	—	○*1
	RIWH18AVFJ RIWH24AVFJ	—	—	—	—	○	—

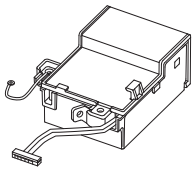
Indoor unit type		Type				
		Remote sensor unit	Auto louver grille kit	Communication kit		
				UTY-XCBXZ1	UTY-XCBXZ2	UTY-TWBXF
Compact cassette		—	—	—	—	—
Slim duct		○	○	—	—	—
Wall mounted	RIWH7AVFJ RIWH9AVFJ RIWH12AVFJ RIWH15AVFJ	—	—	—	○	—
	RIWH18AVFJ RIWH24AVFJ	—	—	—	—	—
Floor		—	—	—	—	—

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

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

■ Parts

External connect kit Model: RXXWZX	External connect kit Model: RXXWZXZ5
 (x 1) (x 1) For compact cassette type and wall mounted type (RIWH18AVFJ)	 (x 1) (x 2) For wall mounted type (RIWH7AVFJ, RIWH9AVFJ, RIWH12AVFJ, and RIWH15AVFJ) and floor type

Communication kit Model: RXTWBXF1	Communication kit Model: RXCBXZ2
	 For wall mounted type (RIWH7RLF1, RIWH9AVFJ, RIWH12AVFJ, and RIWH15AVFJ)

16. Installation precautions

16-1. Indoor unit installation precautions

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

■ Place 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.

■ 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 Chapter 4. "Dimensions" on page 41.
- 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 air flow distribution is poor.	When an indoor unit is installed in a position where the outlet airflow will directly contact people, a draft may be felt. In addition, when there are obstructions in the path of the intake and outlet airflow, the air distribution may become extremely bad.	1. Adjust the louver fins or take other measures matched to the site. 2. Change the indoor unit outlet.

Condition	Contents	Countermeasures (Reference)
When inside the ceiling is high temperature and high humidity.	When the indoor unit is installed where the inside of the ceiling is 30°C (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.

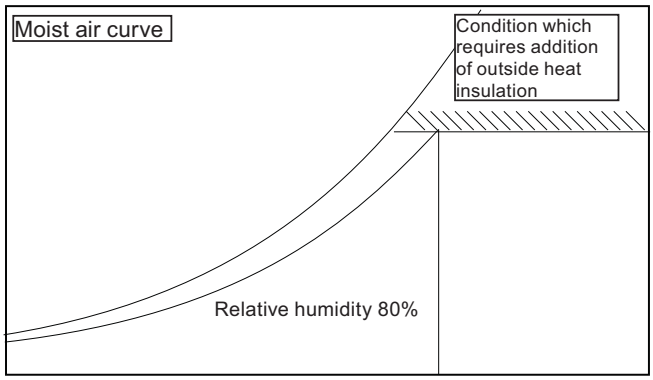


Fig. A

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

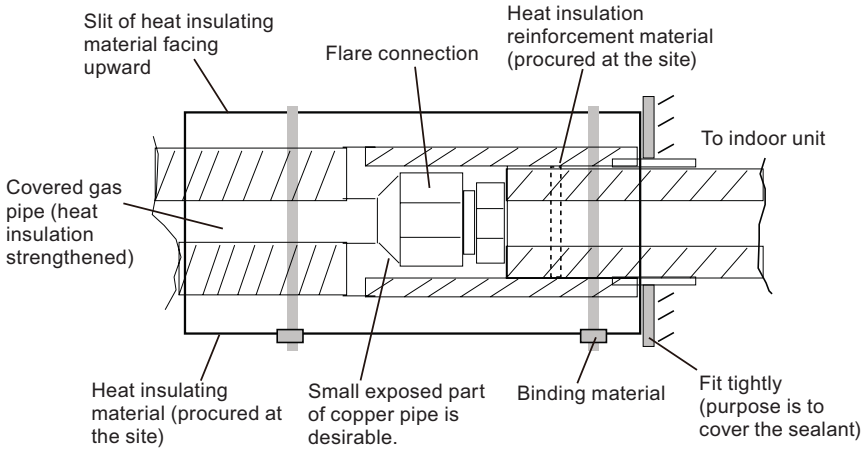


Fig. B

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.

Part 2. OUTDOOR UNIT (2 ROOMS TYPE)

MULTI TYPE:
ROMH18AFXZJ

1. Specifications

1-1. Model: ROMH18AFXZJ

Type					Inverter heat pump		
Model name					ROMH18AFXZJ		
Power source					1Ø 208/230 V 60 Hz		
Available voltage range					187—264V		
Connectable indoor unit			Number		2		
			Total capacity range		14,000 to 21,000 Btu/h		
Combination of indoor unit					Non-duct RIWH9AVFJ × 2	Duct RIDH9AVFJ × 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	1.44	1.49	1.46
			Max.		2.06	2.14	2.10
		Heating	Rated		1.87	1.83	1.84
			Max.		2.10	2.08	2.09
Current		Cooling	Rated	A	6.3	6.6	6.4
		Heating			8.2	8.0	8.1
EER		Cooling	Rated	Btu/W	12.5	12.1	12.3
SEER *1		Cooling		-	18.0	16.0	17.0
COP		Heating	Rated	W/W	3.44	3.52	3.48
HSPF *1		Heating		-	9.03	9.0	9.15
Starting current				A	8.2		
Maximum operating current *2				A	10.0		
Fan	Type × Q'ty				Propeller × 1		
	Airflow rate	Cooling		CFM (m^3/h)	1,795 (3,050)		
		Heating			1,619 (2,750)		
	Motor	Type × Quantity			DC motor × 1		
		Output		W	100		
Sound pressure level		Cooling	Rated	dB (A)	49		
		Heating			49		
Heat exchanger		Dimension (H × W × D)		in (mm)	26-7/16 × 35-7/16 × 1-7/16 (672 × 900 × 36.38)		
		Fin pitch		FPI	18		
		Rows × Stages			2 × 32		
		Pipe type (Material)			Grooved H-pin (Copper)		
		Fin	Type (Material)		Corrugate (Aluminum)		
			Surface treatment		Corrosion resistance (Blue Fin)		
Refrigerant		Type			R410A		
		Charge		lb (g)	4 lb 14 oz (2,200)		
Refrigerant oil		Type			POE		
		Amount		in^3 (cm^3)	39.7 (650)		
Enclosure		Material			Painted galvanized steel		
		Color			Beige (Approximate color of MUNSELL 10YR 7.5/1.0NN)		
Dimensions	Net	(H × W × D)		in (mm)	27-9/16 × 35-7/16 × 13 (700 × 900 × 330)		
	Gross				34-1/16 × 41-5/16 × 17-1/2 (865 × 1,050 × 445)		
Weight	Net			lb (kg)	119 (54)		
	Gross				137 (62)		
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			5 to 75 (-15 to 24)		

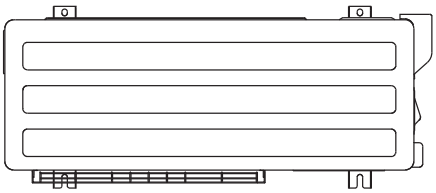
NOTES:

- 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: The maximum current is the maximum value when the operated within the operation range.
- For other combination, refer to the combination table.
- The protective function might work when using it outside the operation range.

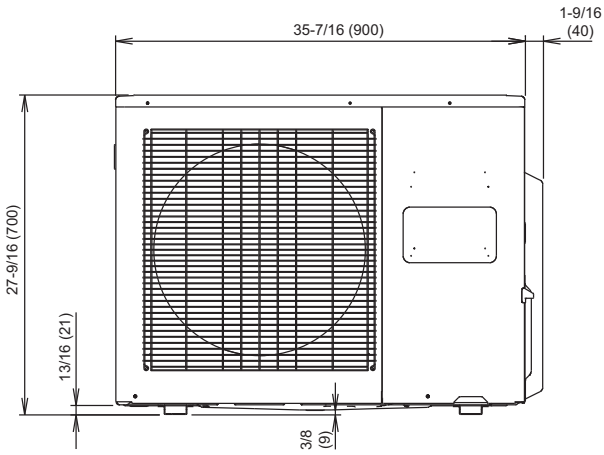
2. Dimensions

2-1. Model: ROMH18AFXZJ

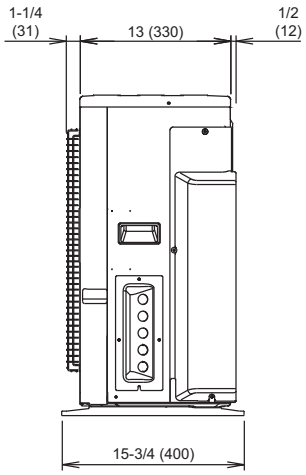
Unit: in (mm)



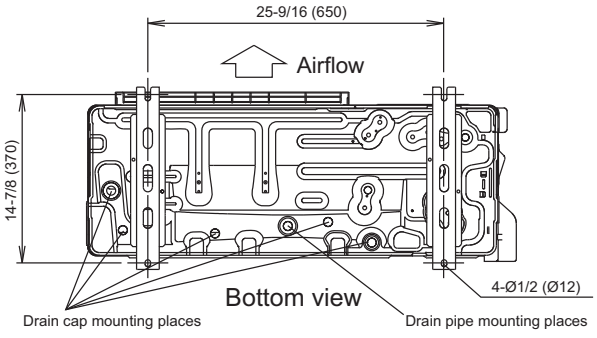
Top view



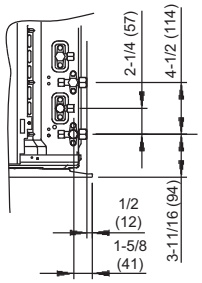
Front view



Side view



Bottom view



3. Installation space

3-1. Model: ROMH18AFXZJ

■ Space requirement

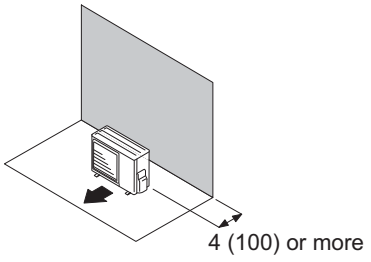
Provide sufficient installation space for product safety.

● Single outdoor unit installation

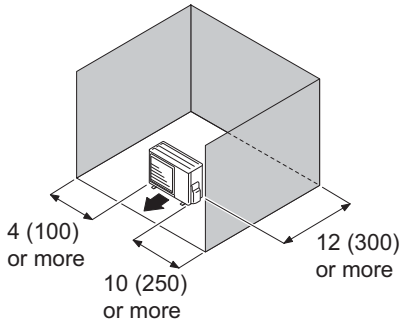
- **When the upper space is open:**

Unit: in (mm)

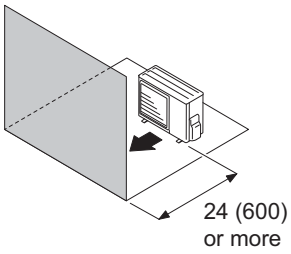
When there are obstacles at the rear only.



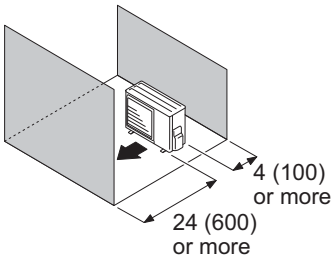
When there are obstacles at the rear and sides.



When there are obstacles at the front only.



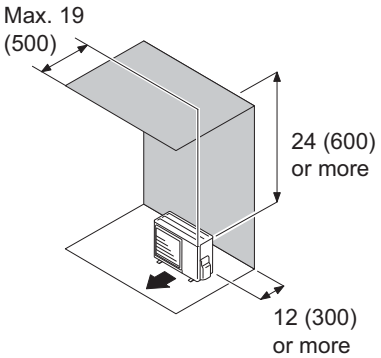
When there are obstacles at the front and rear.



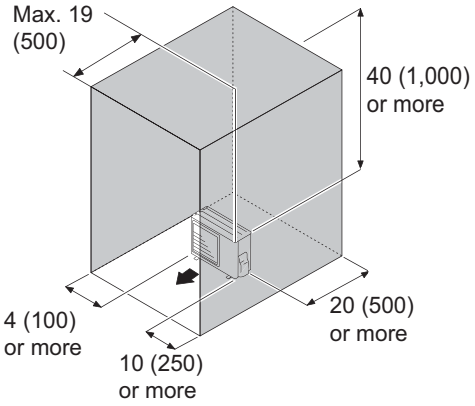
- **When there is an obstruction in the upper space:**

Unit: in (mm)

When there are obstacles at the rear and above.



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

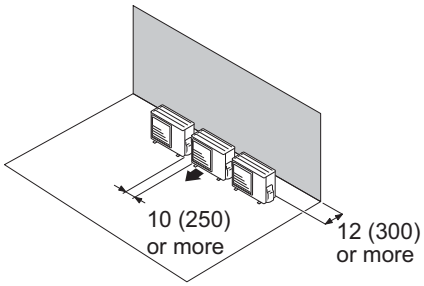


● Multiple outdoor unit installation

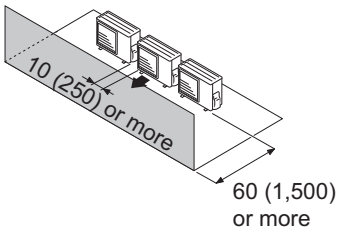
- **When the upper space is open:**

Unit: in (mm)

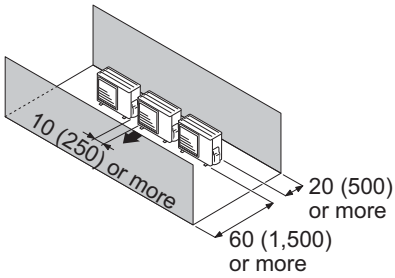
When there are obstacles at the rear only.



When there are obstacles at the front only.



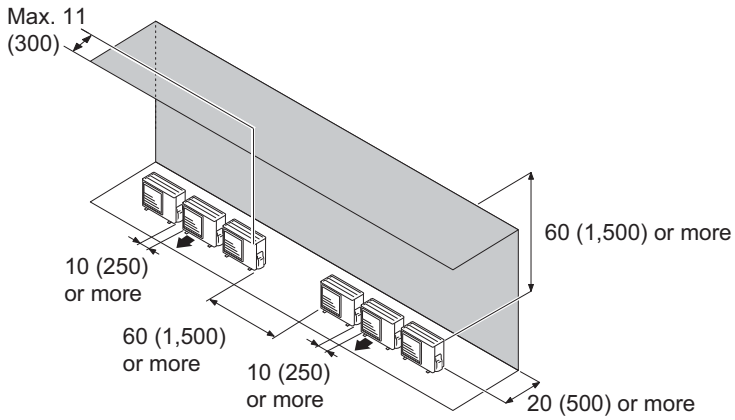
When there are obstacles at the front and rear.



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

Unit: in (mm)

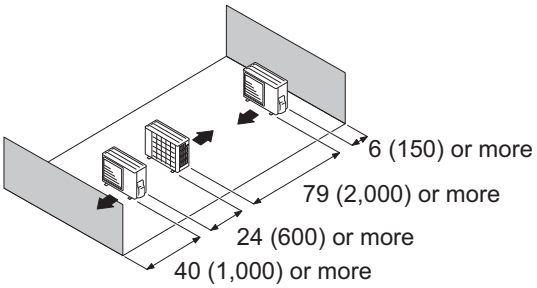
When there are obstacles at the rear and above.



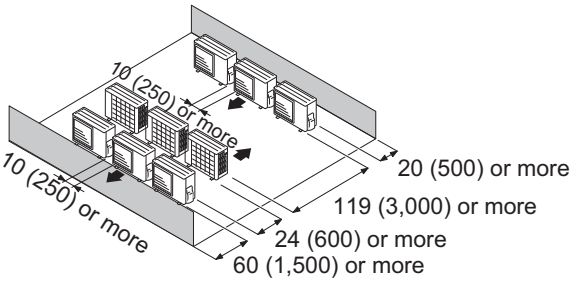
● Outdoor unit installation in multi-row

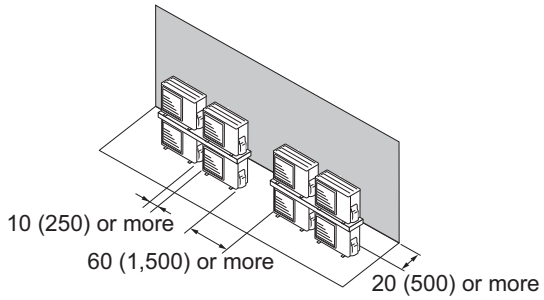
Unit: in (mm)

Single parallel unit arrangement



Multiple parallel unit arrangement



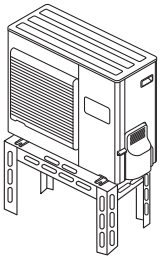


NOTES:

- 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.

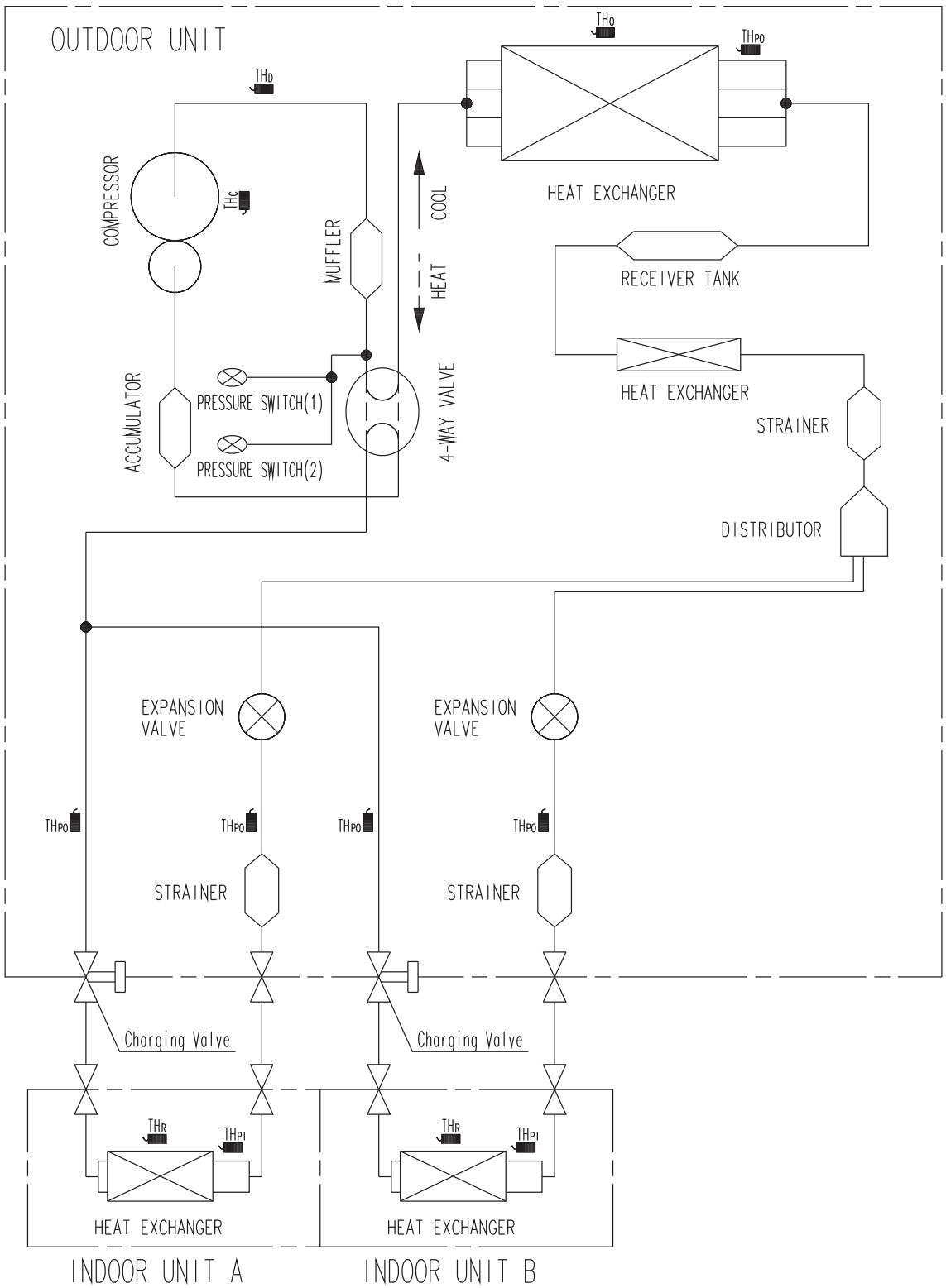
⚠CAUTION

- 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: ROMH18AFXZJ

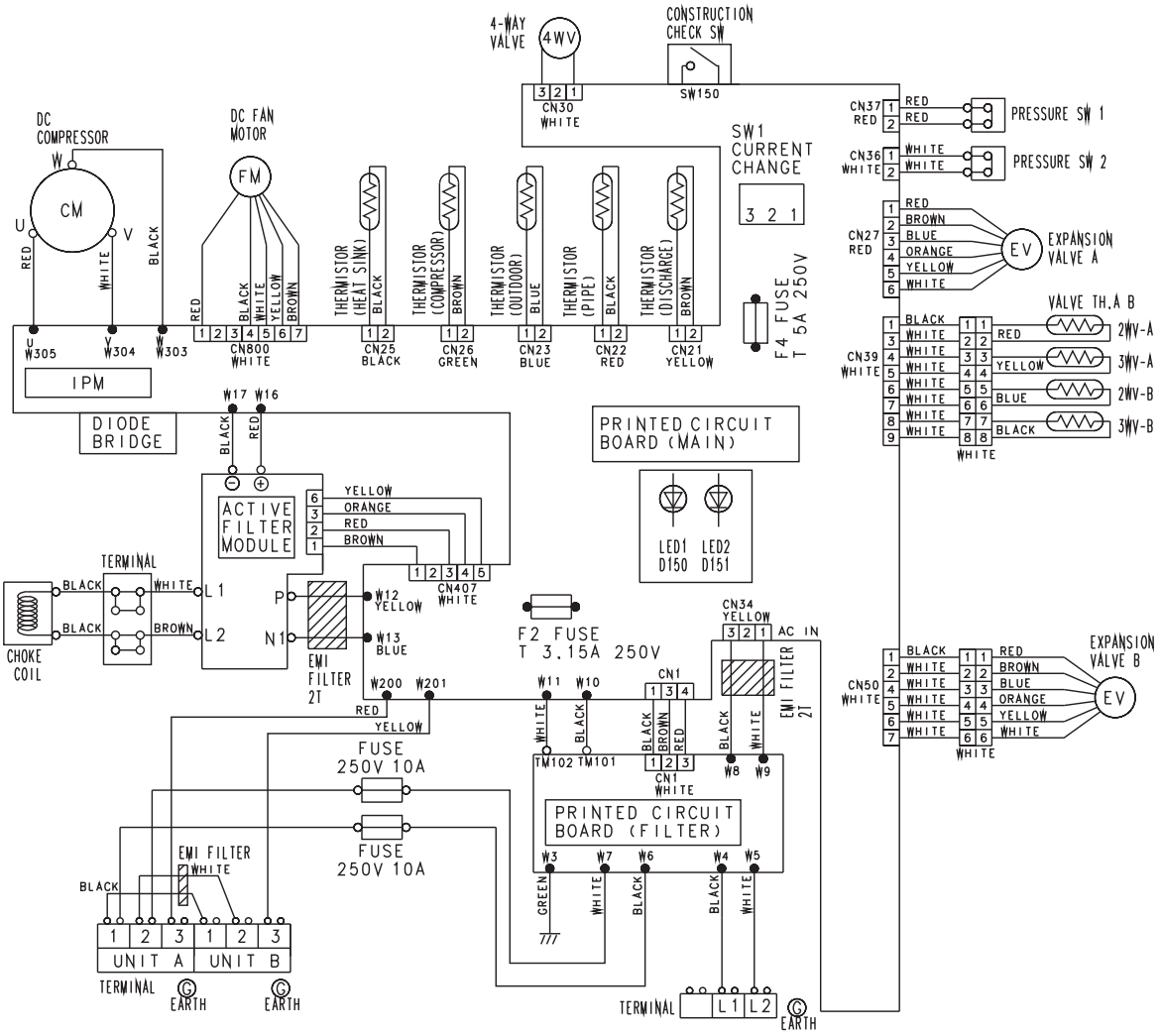


THD : THERMISTOR(DISCHARGE TEMP.)
THo : THERMISTOR(OUTDOOR TEMP.)
THPo : THERMISTOR(PIPE TEMP.)
THc : THERMISTOR(COMPRESSOR TEMP.)

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

5. Wiring diagram

5-1. Model: ROMH18AFXZJ



6. Capacity table

6-1. Combinations

■ Model: ROMH18AFXZJ

● 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	1.30	1.64
7	9	16	7.09	9.11	8.66	11.14	6.10	16.20	19.80	0.50	1.44	1.81
7	12	19	6.63	11.37	7.74	13.26	6.10	18.00	21.00	0.50	1.43	2.06
9	9	18	9.00	9.00	10.50	10.50	6.10	18.00	21.00	0.50	1.44	2.06
9	12	21	7.71	10.29	9.00	12.00	6.10	18.00	21.00	0.50	1.44	2.06

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	9	16	7.09	9.11	8.66	11.14	6.10	16.20	19.80	0.50	1.49	1.86
7	12	19	6.63	11.37	7.74	13.26	6.10	18.00	21.00	0.50	1.48	2.11
9	9	18	9.00	9.00	10.50	10.50	6.10	18.00	21.00	0.50	1.49	2.14
9	12	21	7.71	10.29	9.00	12.00	6.10	18.00	21.00	0.50	1.49	2.14

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.
- Mix combinations input are based on RIWH wall mount models. The input of combinations including RICH cassette models may be a little higher.

■ Model: ROMH18AFXZJ

● 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	1.50	1.97
7	9	16	8.93	11.48	9.58	12.32	6.80	20.40	21.90	0.52	1.77	1.92
7	12	19	8.11	13.89	8.99	15.41	6.80	22.00	24.40	0.52	1.87	2.10
9	9	18	11.00	11.00	12.20	12.20	6.80	22.00	24.40	0.52	1.87	2.10
9	12	21	9.43	12.57	10.46	13.94	6.80	22.00	24.40	0.52	1.88	2.10

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	9	16	8.93	11.48	9.58	12.32	6.80	20.40	21.90	0.52	1.73	1.90
7	12	19	8.11	13.89	8.99	15.41	6.80	22.00	24.40	0.52	1.83	2.08
9	9	18	11.00	11.00	12.20	12.20	6.80	22.00	24.40	0.52	1.83	2.08
9	12	21	9.43	12.57	10.46	13.94	6.80	22.00	24.40	0.52	1.84	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 up to 21,000 Btu from 14,000 Btu.
- Non-Ducted system combinations input are based on RIWH wall mount models. The input of combinations including RICH cassette models may be a little higher.
- Ducted system combinations capacities are based on RIDH slim duct units excepting 7,000-Btu models. 7,000 Btu models are based on RIWH wall mount models.

6-2. Cooling capacity

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

Model: ROMH18AFXZJ

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	0.56	14.40	10.14	0.57	15.18	11.18	0.57	16.25	11.73	0.58	17.38	12.00	0.59	17.91	13.34	0.59
	23	12.21	9.90	0.63	13.80	9.89	0.64	14.55	10.91	0.65	15.58	11.45	0.66	16.65	11.71	0.66	17.17	13.02	0.67
	32	12.00	9.80	0.70	13.56	9.79	0.71	14.30	10.80	0.72	15.31	11.33	0.72	16.36	11.59	0.73	16.87	12.88	0.74
	41	11.89	9.75	0.72	13.44	9.74	0.73	14.17	10.74	0.73	15.17	11.27	0.74	16.22	11.53	0.75	16.72	12.82	0.75
	50	12.00	9.80	0.72	13.56	9.79	0.74	14.30	10.80	0.74	15.31	11.33	0.75	16.36	11.59	0.76	16.87	12.88	0.76
	59	11.68	9.65	0.75	13.20	9.64	0.77	13.92	10.63	0.77	14.90	11.16	0.78	15.93	11.41	0.79	16.42	12.68	0.79
	67	14.52	10.99	1.10	16.41	10.98	1.12	17.30	12.11	1.13	18.53	12.71	1.14	19.80	13.00	1.16	20.42	14.45	1.16
	77	13.93	10.69	1.13	15.74	10.67	1.15	16.60	11.77	1.16	17.77	12.35	1.17	19.00	12.64	1.18	19.58	14.05	1.19
	87	13.07	10.26	1.25	14.77	10.24	1.27	15.57	11.30	1.28	16.68	11.86	1.30	17.83	12.13	1.31	18.38	13.48	1.32
	95	13.64	10.56	1.58	15.42	10.54	1.61	16.25	11.63	1.62	17.40	12.21	1.64	18.60	12.49	1.66	19.17	13.88	1.67
	104	12.93	10.24	1.75	14.61	10.22	1.79	15.41	11.28	1.80	16.50	11.83	1.82	17.63	12.11	1.84	18.18	13.46	1.85
	115	11.88	9.83	2.08	13.43	9.82	2.12	14.16	10.83	2.13	15.16	11.36	2.15	16.20	11.63	2.15	16.71	12.92	2.15

		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	0.56	4.22	2.97	0.57	4.45	3.28	0.57	4.76	3.44	0.58	5.09	3.52	0.59	5.25	3.91	0.59
	-5.0	3.58	2.90	0.63	4.04	2.90	0.64	4.26	3.20	0.65	4.57	3.35	0.66	4.88	3.43	0.66	5.03	3.81	0.67
	0.0	3.52	2.87	0.70	3.97	2.87	0.71	4.19	3.16	0.72	4.49	3.32	0.72	4.80	3.40	0.73	4.94	3.78	0.74
	5.0	3.49	2.86	0.72	3.94	2.85	0.73	4.15	3.15	0.73	4.45	3.30	0.74	4.75	3.38	0.75	4.90	3.76	0.75
	10.0	3.52	2.87	0.72	3.97	2.87	0.74	4.19	3.16	0.74	4.49	3.32	0.75	4.80	3.40	0.76	4.94	3.78	0.76
	15.0	3.42	2.83	0.75	3.87	2.82	0.77	4.08	3.12	0.77	4.37	3.27	0.78	4.67	3.35	0.79	4.81	3.72	0.79
	19.4	4.26	3.22	1.10	4.81	3.22	1.12	5.07	3.55	1.13	5.43	3.73	1.14	5.80	3.81	1.16	5.98	4.24	1.16
	25.0	4.08	3.13	1.13	4.61	3.13	1.15	4.86	3.45	1.16	5.21	3.62	1.17	5.57	3.70	1.18	5.74	4.12	1.19
	30.6	3.83	3.01	1.25	4.33	3.00	1.27	4.56	3.31	1.28	4.89	3.48	1.30	5.22	3.56	1.31	5.39	3.95	1.32
	35.0	4.00	3.09	1.58	4.52	3.09	1.61	4.76	3.41	1.62	5.10	3.58	1.64	5.45	3.66	1.66	5.62	4.07	1.67
	40.0	3.79	3.00	1.75	4.28	3.00	1.79	4.52	3.30	1.80	4.83	3.47	1.82	5.17	3.55	1.84	5.33	3.94	1.85
	46.1	3.48	2.88	2.08	3.94	2.88	2.12	4.15	3.17	2.13	4.44	3.33	2.15	4.75	3.41	2.15	4.90	3.79	2.15

● 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	0.65	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	1.79	17.54	11.70	1.82	18.49	12.90	1.84	19.80	13.54	1.86	21.17	13.85	1.88	21.82	15.40	1.89
	104	14.75	11.37	1.99	16.67	11.36	2.03	17.58	12.53	2.04	18.82	13.15	2.06	20.12	13.45	2.09	20.74	14.95	2.10
	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	0.65	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	1.79	5.14	3.43	1.82	5.42	3.78	1.84	5.80	3.97	1.86	6.20	4.06	1.88	6.39	4.51	1.89
	40.0	4.32	3.33	1.99	4.89	3.33	2.03	5.15	3.67	2.04	5.52	3.85	2.06	5.90	3.94	2.09	6.08	4.38	2.10
	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	0.69	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	2.03	18.61	12.34	2.07	19.61	13.61	2.09	21.00	14.28	2.11	22.45	14.61	2.13	23.14	16.24	2.15
	104	15.01	11.71	2.03	16.97	11.69	2.07	17.89	12.90	2.09	19.15	13.54	2.11	20.47	13.85	2.13	21.10	15.39	2.15
	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	0.69	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	2.03	5.45	3.62	2.07	5.75	3.99	2.09	6.15	4.19	2.11	6.58	4.28	2.13	6.78	4.76	2.15
	40.0	4.40	3.43	2.03	4.97	3.43	2.07	5.24	3.78	2.09	5.61	3.97	2.11	6.00	4.06	2.13	6.19	4.51	2.15
	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	0.66	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	2.06	18.61	12.36	2.10	19.61	13.63	2.12	21.00	14.31	2.14	22.45	14.64	2.15	23.14	16.27	2.15
	104	14.91	11.69	2.06	16.85	11.67	2.10	17.77	12.87	2.12	19.02	13.51	2.14	20.33	13.82	2.15	20.96	15.36	2.15
	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	0.66	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	2.06	5.45	3.62	2.10	5.75	4.00	2.12	6.15	4.19	2.14	6.58	4.29	2.15	6.78	4.77	2.15
	40.0	4.37	3.42	2.06	4.94	3.42	2.10	5.21	3.77	2.12	5.57	3.96	2.14	5.96	4.05	2.15	6.14	4.50	2.15
	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	0.72	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	2.06	18.61	12.52	2.10	19.61	13.81	2.12	21.00	14.49	2.14	22.45	14.83	2.15	23.14	16.48	2.15
	104	14.76	11.76	2.02	16.68	11.75	2.06	17.58	12.96	2.08	18.83	13.60	2.10	20.12	13.91	2.12	20.75	15.46	2.14
	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	0.72	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	2.06	5.45	3.67	2.10	5.75	4.05	2.12	6.15	4.25	2.14	6.58	4.35	2.15	6.78	4.83	2.15
	40.0	4.33	3.45	2.02	4.89	3.44	2.06	5.15	3.80	2.08	5.52	3.99	2.10	5.90	4.08	2.12	6.08	4.53	2.14
	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: ROMH18AFXZJ

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
	5	3	8.16	1.06	7.90	1.09	7.64	1.12	7.37	1.15	7.21	1.17
	14	12	9.31	1.13	9.02	1.17	8.71	1.20	8.41	1.23	8.22	1.25
	23	19	9.73	1.08	9.42	1.11	9.10	1.15	8.78	1.18	8.59	1.20
	32	28	10.16	1.03	9.83	1.06	9.50	1.09	9.17	1.12	8.97	1.13
	41	37	11.45	0.96	11.08	0.99	10.71	1.01	10.34	1.04	10.11	1.06
	47	43	12.21	0.96	11.82	0.99	11.42	1.02	11.02	1.05	10.78	1.07
	50	47	12.30	1.00	11.91	1.03	11.51	1.06	11.10	1.09	10.86	1.11
	59	50	12.42	0.96	12.03	0.99	11.62	1.02	11.21	1.04	10.97	1.06
	68	59	12.18	0.76	11.79	0.78	11.39	0.80	10.99	0.83	10.75	0.84
	75	65	10.96	0.57	10.61	0.59	10.25	0.61	9.90	0.62	9.68	0.63

			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	
	-15.0	-16.1	2.39	1.06	2.32	1.09	2.24	1.12	2.16	1.15	2.11	1.17
	-10.0	-11.1	2.73	1.13	2.64	1.17	2.55	1.20	2.46	1.23	2.41	1.25
	-5.0	-7.2	2.85	1.08	2.76	1.11	2.67	1.15	2.57	1.18	2.52	1.20
	0.0	-2.2	2.98	1.03	2.88	1.06	2.78	1.09	2.69	1.12	2.63	1.13
	5.0	2.8	3.35	0.96	3.25	0.99	3.14	1.01	3.03	1.04	2.96	1.06
	8.3	6.1	3.58	0.96	3.46	0.99	3.35	1.02	3.23	1.05	3.16	1.07
	10.0	8.3	3.60	1.00	3.49	1.03	3.37	1.06	3.25	1.09	3.18	1.11
	15.0	10.0	3.64	0.96	3.53	0.99	3.41	1.02	3.29	1.04	3.21	1.06
	20.0	15.0	3.57	0.76	3.46	0.78	3.34	0.80	3.22	0.83	3.15	0.84
	23.9	18.3	3.21	0.57	3.11	0.59	3.01	0.61	2.90	0.62	2.84	0.63

● 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
	5	3	10.98	1.31	10.63	1.35	10.27	1.39	9.91	1.43	9.70	1.45
	14	12	12.49	1.41	12.10	1.45	11.69	1.49	11.28	1.54	11.03	1.56
	23	19	13.18	1.37	12.77	1.41	12.33	1.45	11.90	1.49	11.64	1.51
	32	28	13.95	1.32	13.51	1.36	13.05	1.40	12.60	1.44	12.32	1.46
	41	37	15.80	1.27	15.30	1.31	14.78	1.34	14.27	1.38	13.95	1.41
	47	43	16.85	1.28	16.32	1.32	15.77	1.36	15.21	1.40	14.88	1.42
	50	47	16.98	1.30	16.44	1.33	15.88	1.37	15.33	1.41	14.99	1.43
	59	50	17.14	1.29	16.60	1.33	16.04	1.37	15.48	1.41	15.14	1.43
	68	59	16.81	0.98	16.28	1.01	15.73	1.04	15.18	1.07	14.84	1.08
	75	65	13.33	0.79	12.91	0.81	12.47	0.84	12.03	0.86	11.77	0.88

			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	
	-15.0	-16.1	3.22	1.31	3.12	1.35	3.01	1.39	2.91	1.43	2.84	1.45
	-10.0	-11.1	3.66	1.41	3.55	1.45	3.43	1.49	3.31	1.54	3.23	1.56
	-5.0	-7.2	3.86	1.37	3.74	1.41	3.61	1.45	3.49	1.49	3.41	1.51
	0.0	-2.2	4.09	1.32	3.96	1.36	3.83	1.40	3.69	1.44	3.61	1.46
	5.0	2.8	4.63	1.27	4.48	1.31	4.33	1.34	4.18	1.38	4.09	1.41
	8.3	6.1	4.94	1.28	4.78	1.32	4.62	1.36	4.46	1.40	4.36	1.42
	10.0	8.3	4.98	1.30	4.82	1.33	4.66	1.37	4.49	1.41	4.39	1.43
	15.0	10.0	5.02	1.29	4.87	1.33	4.70	1.37	4.54	1.41	4.44	1.43
	20.0	15.0	4.93	0.98	4.77	1.01	4.61	1.04	4.45	1.07	4.35	1.08
	23.9	18.3	3.91	0.79	3.78	0.81	3.65	0.84	3.53	0.86	3.45	0.88

● 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
	5	3	12.55	1.69	12.15	1.74	11.74	1.79	11.33	1.84	11.08	1.87
	14	12	14.28	1.81	13.83	1.86	13.36	1.92	12.89	1.97	12.61	2.00
	23	19	15.06	1.78	14.58	1.83	14.09	1.88	13.59	1.93	13.29	1.96
	32	28	15.94	1.69	15.44	1.74	14.92	1.79	14.40	1.84	14.08	1.87
	41	37	18.06	1.58	17.49	1.63	16.89	1.67	16.30	1.72	15.94	1.75
	47	43	19.26	1.60	18.65	1.64	18.02	1.69	17.39	1.74	17.00	1.76
	50	47	19.40	1.61	18.79	1.66	18.15	1.71	17.52	1.76	17.13	1.78
	59	50	19.59	1.62	18.97	1.66	18.33	1.71	17.69	1.76	17.30	1.79
	68	59	19.21	1.37	18.60	1.41	17.97	1.45	17.34	1.49	16.96	1.52
	75	65	16.21	0.95	15.70	0.98	15.16	1.00	14.63	1.03	14.31	1.05

			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	
	-15.0	-16.1	3.68	1.69	3.56	1.74	3.44	1.79	3.32	1.84	3.25	1.87
	-10.0	-11.1	4.18	1.81	4.05	1.86	3.92	1.92	3.78	1.97	3.70	2.00
	-5.0	-7.2	4.41	1.78	4.27	1.83	4.13	1.88	3.98	1.93	3.90	1.96
	0.0	-2.2	4.67	1.69	4.53	1.74	4.37	1.79	4.22	1.84	4.13	1.87
	5.0	2.8	5.29	1.58	5.12	1.63	4.95	1.67	4.78	1.72	4.67	1.75
	8.3	6.1	5.64	1.60	5.47	1.64	5.28	1.69	5.10	1.74	4.98	1.76
	10.0	8.3	5.69	1.61	5.51	1.66	5.32	1.71	5.13	1.76	5.02	1.78
	15.0	10.0	5.74	1.62	5.56	1.66	5.37	1.71	5.18	1.76	5.07	1.79
	20.0	15.0	5.63	1.37	5.45	1.41	5.27	1.45	5.08	1.49	4.97	1.52
	23.9	18.3	4.75	0.95	4.60	0.98	4.44	1.00	4.29	1.03	4.19	1.05

● 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	5	3	13.01	1.82	12.60	1.88	12.18	1.93	11.75	1.99	11.49	2.02
	14	12	14.68	1.94	14.22	1.99	13.74	2.05	13.26	2.11	12.97	2.14
	23	19	16.52	1.90	16.00	1.95	15.46	2.01	14.92	2.07	14.59	2.10
	32	28	18.62	1.84	18.04	1.90	17.43	1.95	16.82	2.01	16.45	2.04
	41	37	20.74	1.79	20.09	1.84	19.41	1.89	18.73	1.95	18.32	1.98
	47	43	22.12	1.86	21.42	1.91	20.70	1.97	19.98	2.03	19.54	2.06
	50	47	22.29	1.88	21.58	1.93	20.85	1.99	20.12	2.05	19.68	2.08
	59	50	22.51	1.90	21.80	1.95	21.06	2.01	20.32	2.07	19.88	2.10
	68	59	22.07	1.66	21.37	1.71	20.65	1.76	19.93	1.80	19.49	1.83
	75	65	20.19	1.11	19.55	1.14	18.89	1.17	18.23	1.20	17.83	1.22

			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	-15.0	-16.1	3.81	1.82	3.69	1.88	3.57	1.93	3.44	1.99	3.37	2.02
	-10.0	-11.1	4.30	1.94	4.17	1.99	4.03	2.05	3.89	2.11	3.80	2.14
	-5.0	-7.2	4.84	1.90	4.69	1.95	4.53	2.01	4.37	2.07	4.28	2.10
	0.0	-2.2	5.46	1.84	5.29	1.90	5.11	1.95	4.93	2.01	4.82	2.04
	5.0	2.8	6.08	1.79	5.89	1.84	5.69	1.89	5.49	1.95	5.37	1.98
	8.3	6.1	6.48	1.86	6.28	1.91	6.07	1.97	5.85	2.03	5.73	2.06
	10.0	8.3	6.53	1.88	6.33	1.93	6.11	1.99	5.90	2.05	5.77	2.08
	15.0	10.0	6.60	1.90	6.39	1.95	6.17	2.01	5.96	2.07	5.83	2.10
	20.0	15.0	6.47	1.66	6.26	1.71	6.05	1.76	5.84	1.80	5.71	1.83
	23.9	18.3	5.92	1.11	5.73	1.14	5.54	1.17	5.34	1.20	5.22	1.22

● 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	5	3	13.25	1.77	12.84	1.82	12.40	1.88	11.97	1.93	11.70	1.96
	14	12	15.05	1.79	14.58	1.84	14.09	1.89	13.59	1.94	13.29	1.98
	23	19	16.93	1.79	16.39	1.84	15.84	1.89	15.28	1.94	14.95	1.98
	32	28	19.38	1.77	18.77	1.82	18.13	1.87	17.50	1.92	17.11	1.95
	41	37	21.95	1.74	21.25	1.79	20.53	1.84	19.82	1.90	19.38	1.93
	47	43	23.41	1.81	22.67	1.87	21.90	1.92	21.13	1.97	20.67	2.01
	50	47	23.58	1.79	22.84	1.84	22.06	1.89	21.29	1.94	20.82	1.98
	59	50	23.81	1.79	23.06	1.84	22.28	1.89	21.50	1.94	21.03	1.98
	68	59	23.35	1.62	22.61	1.66	21.84	1.71	21.08	1.76	20.62	1.79
	75	65	23.64	1.08	22.89	1.11	22.12	1.14	21.34	1.17	20.87	1.19

			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	-15.0	-16.1	3.88	1.77	3.76	1.82	3.63	1.88	3.51	1.93	3.43	1.96
	-10.0	-11.1	4.41	1.79	4.27	1.84	4.13	1.89	3.98	1.94	3.90	1.98
	-5.0	-7.2	4.96	1.79	4.80	1.84	4.64	1.89	4.48	1.94	4.38	1.98
	0.0	-2.2	5.68	1.77	5.50	1.82	5.31	1.87	5.13	1.92	5.02	1.95
	5.0	2.8	6.43	1.74	6.23	1.79	6.02	1.84	5.81	1.90	5.68	1.93
	8.3	6.1	6.86	1.81	6.64	1.87	6.42	1.92	6.19	1.97	6.06	2.01
	10.0	8.3	6.91	1.79	6.69	1.84	6.47	1.89	6.24	1.94	6.10	1.98
	15.0	10.0	6.98	1.79	6.76	1.84	6.53	1.89	6.30	1.94	6.16	1.98
	20.0	15.0	6.84	1.62	6.63	1.66	6.40	1.71	6.18	1.76	6.04	1.79
	23.9	18.3	6.93	1.08	6.71	1.11	6.48	1.14	6.26	1.17	6.12	1.19

● 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	5	3	15.02	1.95	14.54	2.00	14.05	2.06	13.56	2.12	13.26	2.15
	14	12	16.95	1.96	16.42	2.02	15.86	2.08	15.31	2.14	14.97	2.15
	23	19	18.86	1.96	18.26	2.02	17.65	2.08	17.03	2.14	16.65	2.15
	32	28	21.65	1.94	20.97	1.99	20.26	2.05	19.55	2.11	19.12	2.14
	41	37	24.45	1.91	23.68	1.96	22.88	2.02	22.08	2.07	21.59	2.11
	47	43	26.08	1.98	25.25	2.04	24.40	2.10	23.55	2.15	23.03	2.15
	50	47	26.27	1.96	25.44	2.02	24.58	2.08	23.72	2.14	23.20	2.15
	59	50	26.53	1.96	25.69	2.01	24.83	2.07	23.96	2.13	23.43	2.15
	68	59	26.01	1.57	25.19	1.62	24.34	1.66	23.49	1.71	22.97	1.74
	75	65	24.13	1.28	23.37	1.31	22.58	1.35	21.79	1.39	21.31	1.41

			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	-15.0	-16.1	4.40	1.95	4.26	2.00	4.12	2.06	3.97	2.12	3.89	2.15
	-10.0	-11.1	4.97	1.96	4.81	2.02	4.65	2.08	4.49	2.14	4.39	2.15
	-5.0	-7.2	5.53	1.96	5.35	2.02	5.17	2.08	4.99	2.14	4.88	2.15
	0.0	-2.2	6.35	1.94	6.14	1.99	5.94	2.05	5.73	2.11	5.60	2.14
	5.0	2.8	7.17	1.91	6.94	1.96	6.71	2.02	6.47	2.07	6.33	2.11
	8.3	6.1	7.64	1.98	7.40	2.04	7.15	2.10	6.90	2.15	6.75	2.15
	10.0	8.3	7.70	1.96	7.46	2.02	7.20	2.08	6.95	2.14	6.80	2.15
	15.0	10.0	7.78	1.96	7.53	2.01	7.28	2.07	7.02	2.13	6.87	2.15
	20.0	15.0	7.62	1.57	7.38	1.62	7.13	1.66	6.88	1.71	6.73	1.74
	23.9	18.3	7.07	1.28	6.85	1.31	6.62	1.35	6.39	1.39	6.25	1.41

● 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	5	3	14.84	1.95	14.37	2.00	13.88	2.06	13.40	2.12	13.10	2.15
	14	12	16.75	1.96	16.22	2.02	15.67	2.08	15.12	2.14	14.79	2.15
	23	19	18.86	1.96	18.26	2.02	17.65	2.08	17.03	2.14	16.65	2.15
	32	28	21.59	1.94	20.91	1.99	20.20	2.05	19.49	2.11	19.06	2.14
	41	37	24.45	1.91	23.68	1.96	22.88	2.02	22.08	2.07	21.59	2.11
	47	43	26.08	1.98	25.25	2.04	24.40	2.10	23.55	2.15	23.03	2.15
	50	47	26.27	1.96	25.44	2.02	24.58	2.08	23.72	2.14	23.20	2.15
	59	50	26.53	1.96	25.69	2.02	24.83	2.08	23.96	2.14	23.43	2.15
	68	59	26.01	1.77	25.19	1.82	24.34	1.87	23.49	1.92	22.97	1.96
	75	65	24.13	1.18	23.37	1.21	22.58	1.25	21.79	1.28	21.31	1.30

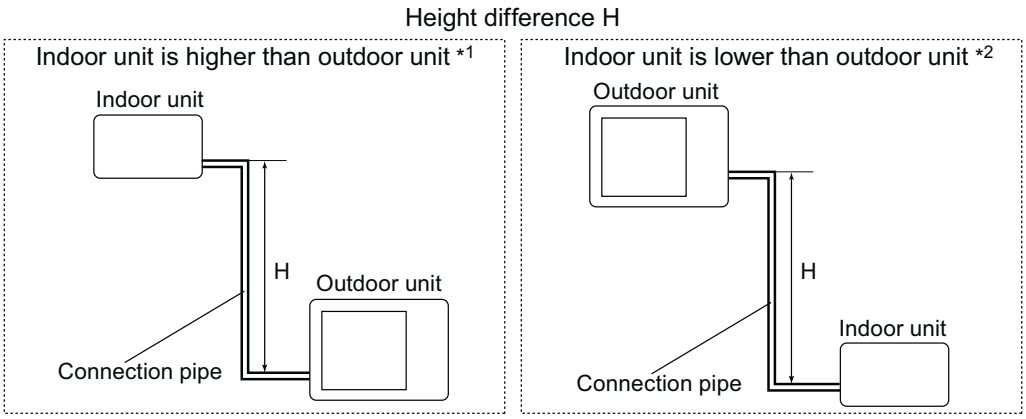
			Indoor temperature									
		°CDB	15.6		18.3		21.2		23.9		25.6	
	°CDB	°CWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kW		kW		kW		kW		kW	
Outdoor temperature	-15.0	-16.1	4.35	1.95	4.21	2.00	4.07	2.06	3.93	2.12	3.84	2.15
	-10.0	-11.1	4.91	1.96	4.75	2.02	4.59	2.08	4.43	2.14	4.34	2.15
	-5.0	-7.2	5.53	1.96	5.35	2.02	5.17	2.08	4.99	2.14	4.88	2.15
	0.0	-2.2	6.33	1.94	6.13	1.99	5.92	2.05	5.71	2.11	5.59	2.14
	5.0	2.8	7.17	1.91	6.94	1.96	6.71	2.02	6.47	2.07	6.33	2.11
	8.3	6.1	7.64	1.98	7.40	2.04	7.15	2.10	6.90	2.15	6.75	2.15
	10.0	8.3	7.70	1.96	7.46	2.02	7.20	2.08	6.95	2.14	6.80	2.15
	15.0	10.0	7.78	1.96	7.53	2.02	7.28	2.08	7.02	2.14	6.87	2.15
	20.0	15.0	7.62	1.77	7.38	1.82	7.13	1.87	6.88	1.92	6.73	1.96
	23.9	18.3	7.07	1.18	6.85	1.21	6.62	1.25	6.39	1.28	6.25	1.30

● 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
	5	3	14.87	1.95	14.40	2.01	13.91	2.06	13.42	2.12	13.13	2.15
	14	12	16.78	1.97	16.25	2.03	15.70	2.09	15.15	2.15	14.82	2.15
	23	19	18.86	1.97	18.26	2.03	17.65	2.09	17.03	2.15	16.65	2.15
	32	28	21.59	1.94	20.91	2.00	20.20	2.05	19.49	2.11	19.06	2.15
	41	37	24.45	1.91	23.68	1.96	22.88	2.02	22.08	2.07	21.59	2.11
	47	43	26.08	1.98	25.25	2.04	24.40	2.10	23.55	2.15	23.03	2.15
	50	47	26.27	1.97	25.44	2.03	24.58	2.09	23.72	2.15	23.20	2.15
	59	50	26.53	1.96	25.69	2.02	24.83	2.07	23.96	2.13	23.43	2.15
	68	59	26.01	1.57	25.19	1.62	24.34	1.66	23.49	1.71	22.97	1.74
	75	65	24.12	1.28	23.36	1.31	22.57	1.35	21.78	1.39	21.30	1.41

			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	
	-15.0	-16.1	4.36	1.95	4.22	2.01	4.08	2.06	3.93	2.12	3.85	2.15
	-10.0	-11.1	4.92	1.97	4.76	2.03	4.60	2.09	4.44	2.15	4.34	2.15
	-5.0	-7.2	5.53	1.97	5.35	2.03	5.17	2.09	4.99	2.15	4.88	2.15
	0.0	-2.2	6.33	1.94	6.13	2.00	5.92	2.05	5.71	2.11	5.59	2.15
	5.0	2.8	7.17	1.91	6.94	1.96	6.71	2.02	6.47	2.07	6.33	2.11
	8.3	6.1	7.64	1.98	7.40	2.04	7.15	2.10	6.90	2.15	6.75	2.15
	10.0	8.3	7.70	1.97	7.46	2.03	7.20	2.09	6.95	2.15	6.80	2.15
	15.0	10.0	7.78	1.96	7.53	2.02	7.28	2.07	7.02	2.13	6.87	2.15
	20.0	15.0	7.62	1.57	7.38	1.62	7.13	1.66	6.88	1.71	6.73	1.74
	23.9	18.3	7.07	1.28	6.85	1.31	6.61	1.35	6.38	1.39	6.24	1.41

7. Capacity compensation rate for pipe length and height difference



7-1. Model: ROMH18AFXZJ

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 (m)	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 (m)	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 (m)	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 (m)	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 (m)	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 (m)	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: ROMH18AFXZJ

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

9. Airflow

9-1. Model: ROMH18AFXZJ

● Cooling

m^3/h	3,050
l/s	847
CFM	1,795

● Heating

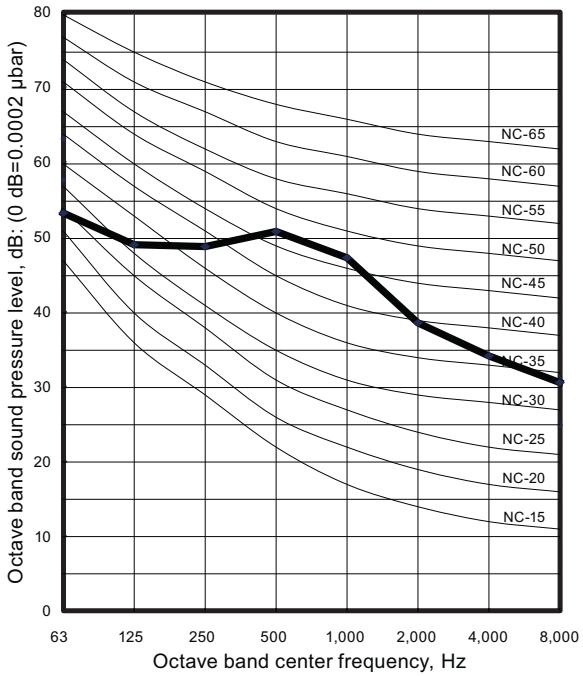
m^3/h	2,750
l/s	764
CFM	1,619

10. Operation noise (sound pressure)

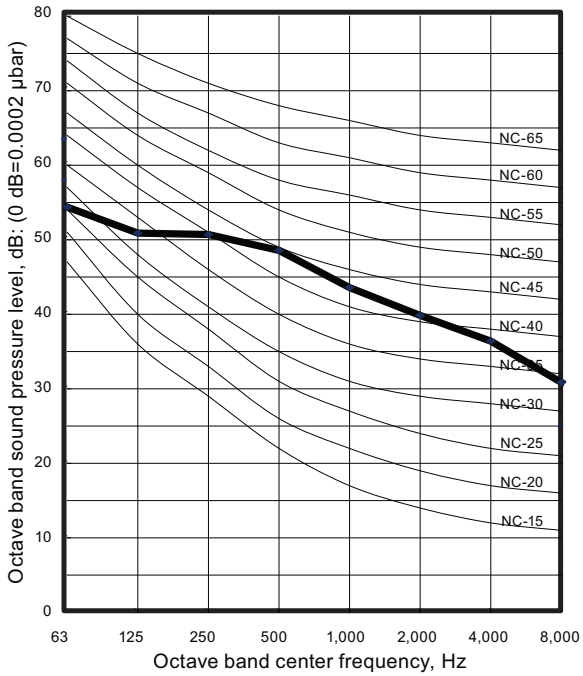
10-1. Noise level curve

■ Model: ROMH18AFXZJ

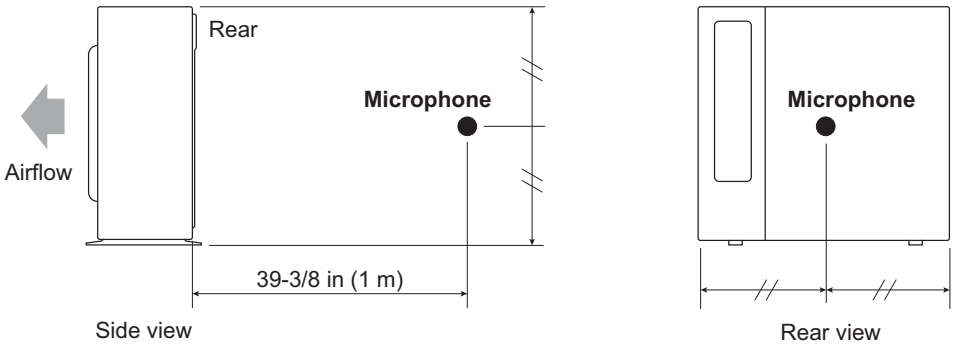
● Cooling



● Heating



10-2. Sound level check point



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

11. Electrical characteristics

Model name			ROMH18AFXZJ
Power supply	Voltage	V	208/230 ~
	Frequency	Hz	60
MCA *1		A	13
Starting current		A	8.2
Wiring spec. *2	MAX. CKT. BKR *3	A	15
	Power cable	AWG	14

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

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

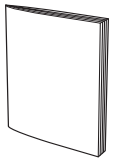
*3: Maximum Circuit Breaker

12. Safety devices

Type of protection	Protection form		Model
			ROMH18AFXZJ
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	302 ±27 °F (150 ±15 °C) Fan motor stop
		Reset	248 ±27 °F (120 ±15 °C) Fan motor restart
Compressor protection	Temperature thermistor	Activate	230 ±4 °F (110 ±2 °C) Compressor stop
		Reset	176 ±4 °F (80 ±2 °C) Compressor restart
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.)

13. Accessories

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

14. Installation precautions

14-1. Outdoor unit installation precautions

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

■ Place where use prohibited 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.

■ 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 186.
- 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 3. OUTDOOR UNIT (3 ROOMS TYPE)

MULTI TYPE:
ROMH24AFXZJ

1. Specifications

1-1. Model: ROMH24AFXZJ

Type					Inverter heat pump		
Model name					ROMH24AFXZJ		
Power source					1Ø 208/230 V 60 Hz		
Available voltage range					187—264V		
Connectable indoor unit			Number		2 to 3		
			Total capacity range		14,000 to 21,000 Btu/h		
Combination of indoor unit					Non-duct RIWH9AVFJ + RIWH7AVFJ	Duct RIDH12AVFJ × 2	Mix
Capacity		Cooling	Rated	Btu/h	22,000		
				kW	6.42		
			Min.—Max.	Btu/h	6,100—27,000	6,100—25,000	6,100—26,000
				kW	1.8—7.9	1.8—7.3	1.8—7.6
		Heating	Rated	Btu/h	24,000		
				kW	7.02		
			Min.—Max.	Btu/h	6,800—29,800	6,800—27,400	6,800—28,600
				kW	2.0—8.7	2.0—8.0	2.0—8.4
Input power		Cooling	Rated	kW	1.76	2.08	1.90
			Max.		2.60	2.84	2.72
		Heating	Rated		1.73	2.05	1.88
			Max.		2.93		
Current		Cooling	Rated	A	7.7	9.1	8.4
		Heating			7.6	9.0	8.3
EER		Cooling	Rated	Btu/W	12.50	10.60	11.55
SEER *1		Cooling		-	18.00	15.50	16.75
COP		Heating	Rated	W/W	4.04	3.42	3.74
HSPF *1		Heating		-	9.50	9.00	9.25
Starting current				A	9.0		
Maximum operating current *2				A	13.7		
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)	51		
		Heating			52		
Heat exchanger		Dimension (H × W × D)		in (mm)	26-7/16 × 35-7/16 × 1-7/16 (672 × 900 × 36.38)		
		Fin pitch		FPI	18		
		Rows × Stages			2 × 32		
		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 14 oz (2,200)		
Refrigerant oil		Type			POE		
		Amount		in^3 (cm^3)	39.7 (650)		
Enclosure		Material			Painted galvanized steel		
		Color			Beige (Approximate color of MUNSELL 10YR 7.5/1.0NN)		
Dimensions	Net	(H × W × D)		in (mm)	27-9/16 × 35-7/16 × 13 (700 × 900 × 330)		
	Gross				34-1/16 × 41-5/16 × 17-1/2 (865 × 1,050 × 445)		
Weight	Net			lb (kg)	124 (56)		
	Gross				141 (64)		
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)				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)		

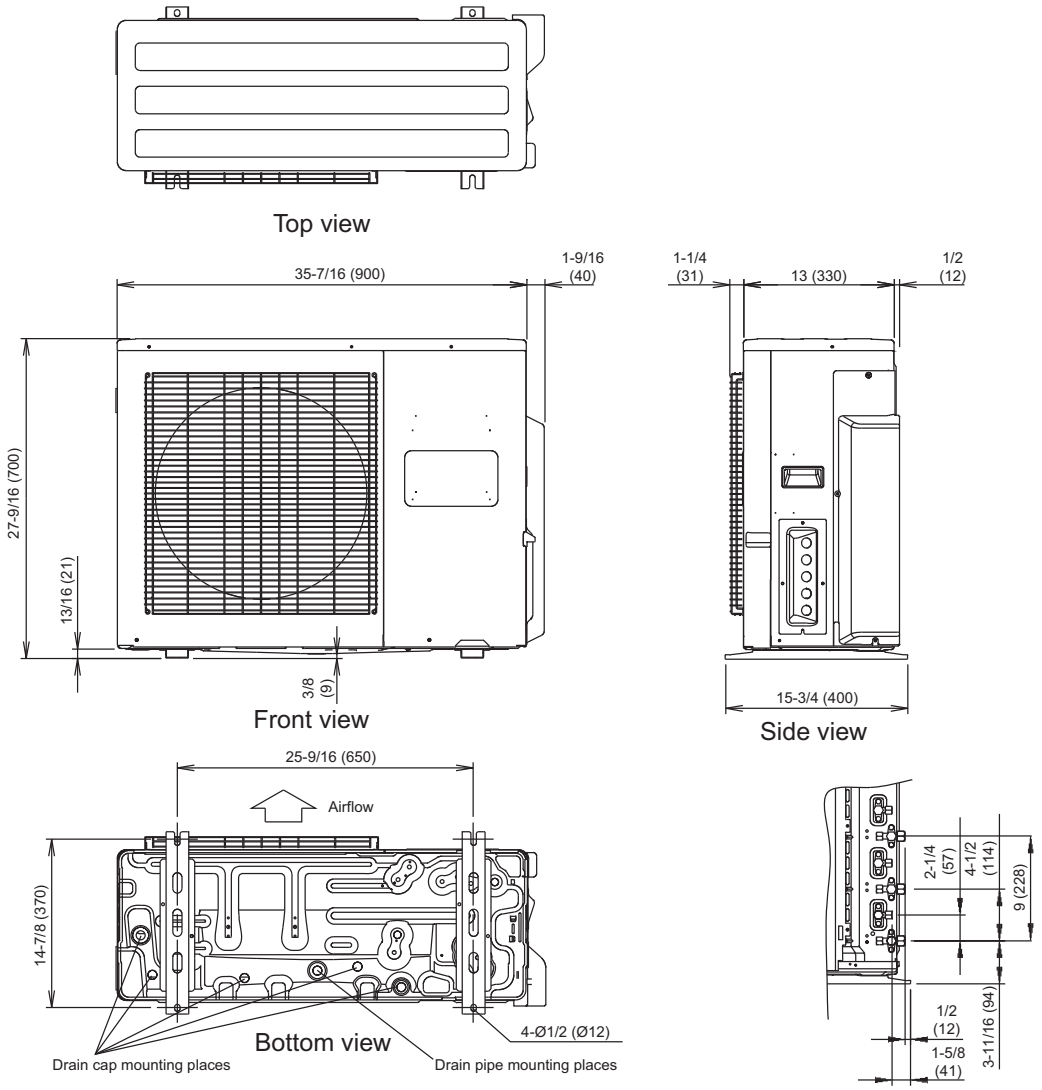
Type			Inverter heat pump
Model name			**ROMH24AFXZJ**
Operation range	Cooling	°F (°C)	14 to 115 (-10 to 46)
	Heating		5 to 75 (-15 to 24)

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: The maximum current is the maximum value when the operated within the operation range.
- 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: ROMH24AFXZJ

Unit: in (mm)



3. Installation space

3-1. Model: ROMH24AFXZJ

■ Space requirement

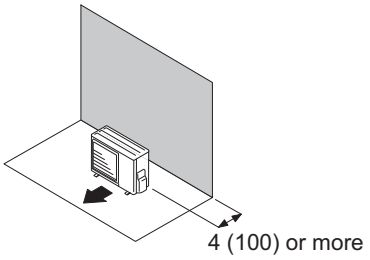
Provide sufficient installation space for product safety.

● Single outdoor unit installation

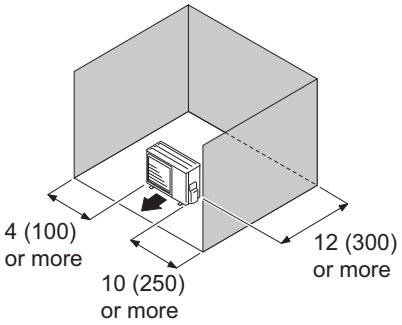
- **When the upper space is open:**

Unit: in (mm)

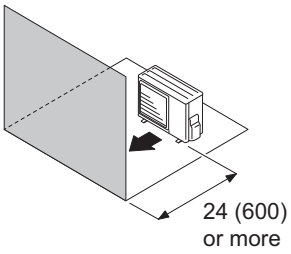
When there are obstacles at the rear only.



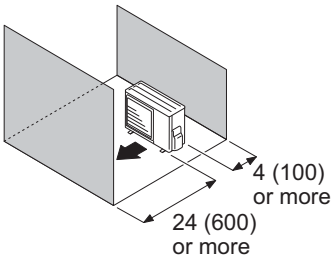
When there are obstacles at the rear and sides.



When there are obstacles at the front only.



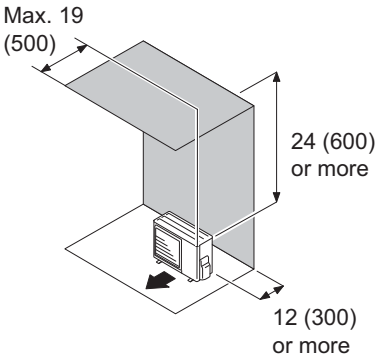
When there are obstacles at the front and rear.



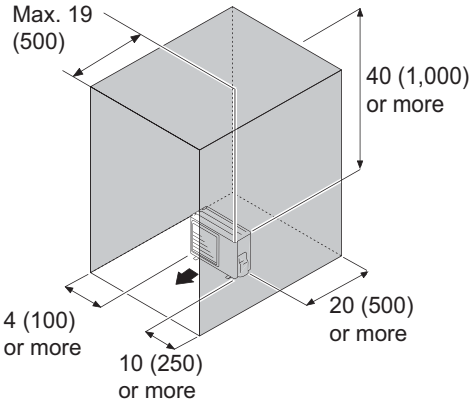
- **When there is an obstruction in the upper space:**

Unit: in (mm)

When there are obstacles at the rear and above.



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

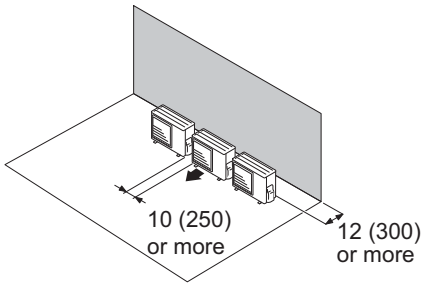


● Multiple outdoor unit installation

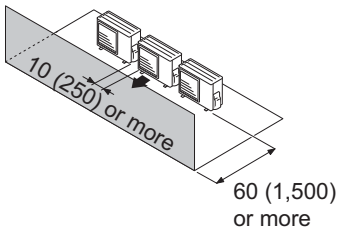
- **When the upper space is open:**

Unit: in (mm)

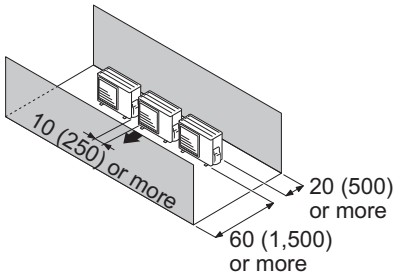
When there are obstacles at the rear only.



When there are obstacles at the front only.



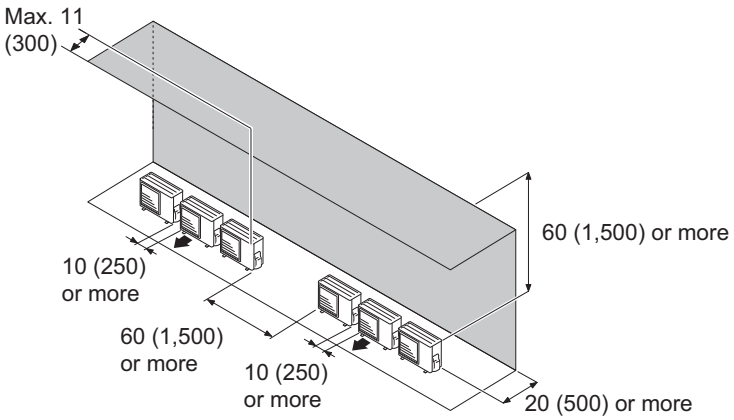
When there are obstacles at the front and rear.



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

Unit: in (mm)

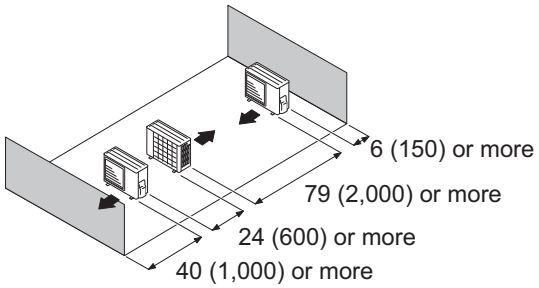
When there are obstacles at the rear and above.



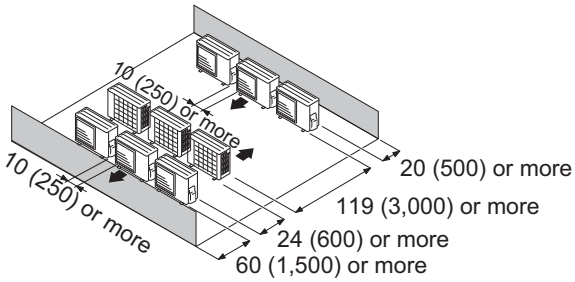
● Outdoor unit installation in multi-row

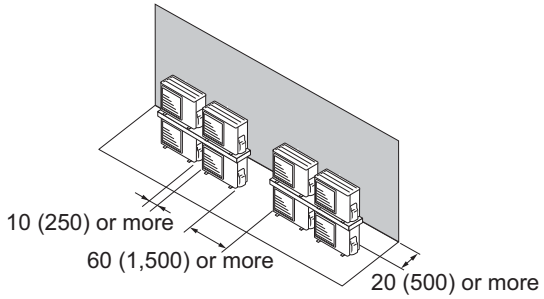
Unit: in (mm)

Single parallel unit arrangement



Multiple parallel unit arrangement



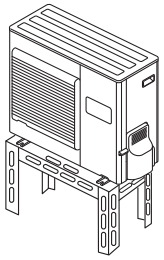


NOTES:

- 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.

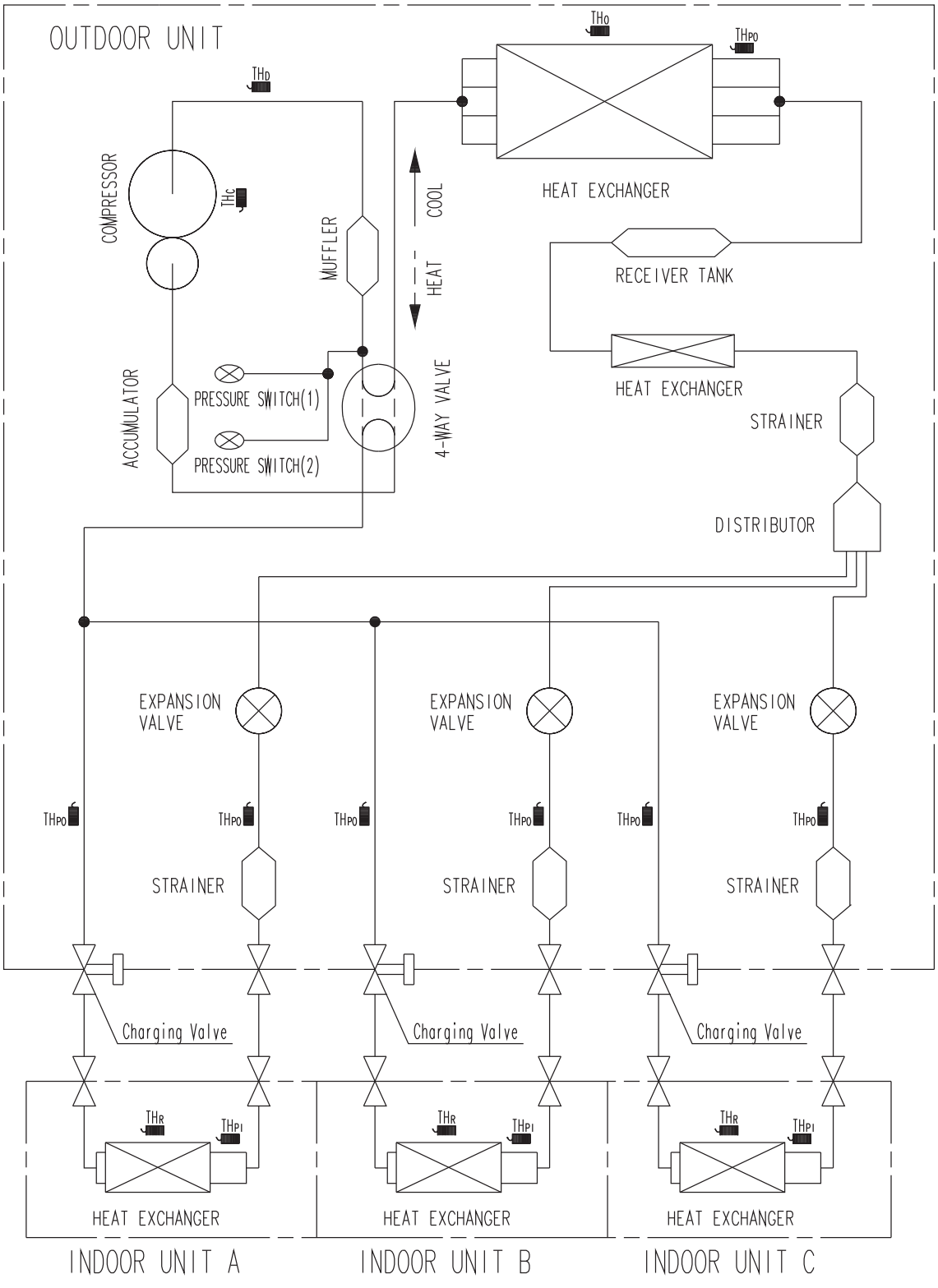
⚠CAUTION

- 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: ROMH24AFXZJ

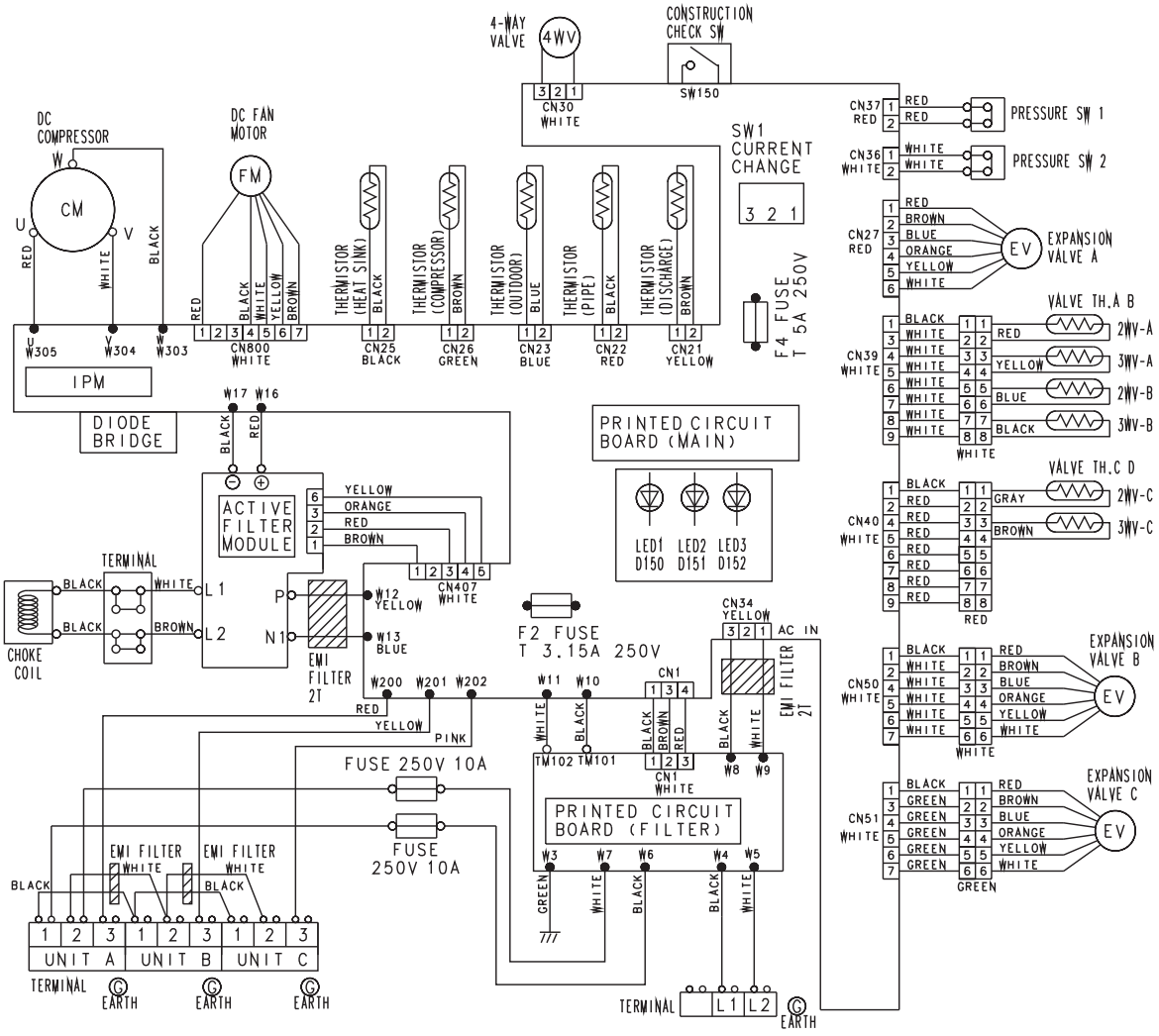


THD : THERMISTOR(DISCHARGE TEMP.)
THO : THERMISTOR(OUTDOOR TEMP.)
THPO : THERMISTOR(PIPE TEMP.)
THC : THERMISTOR(COMPRESSOR TEMP.)

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

5. Wiring diagram

5-1. Model: ROMH24AFXZJ



6. Capacity table

6-1. Combinations

■ Model: ROMH24AFXZJ

● 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	1.20	1.51
7	9	-	16	7.09	9.11	-	8.66	11.14	-	6.10	16.20	19.80	0.50	1.36	1.78
7	12	-	19	7.07	12.13	-	8.33	14.27	-	6.10	19.20	22.60	0.50	1.63	2.20
7	15	-	22	6.87	13.73	-	8.05	16.10	-	6.10	20.60	24.15	0.50	1.70	2.54
7	18	-	25	6.16	15.84	-	7.20	18.50	-	6.10	22.00	25.70	0.50	1.76	2.87
9	9	-	18	9.00	9.00	-	10.75	10.75	-	6.10	18.00	21.50	0.50	1.55	2.02
9	12	-	21	9.00	12.00	-	10.11	13.49	-	6.10	21.00	23.60	0.50	1.73	2.45
9	15	-	24	8.41	13.09	-	9.70	15.10	-	6.10	21.50	24.80	0.50	1.75	2.66
9	18	-	27	7.33	14.67	-	8.67	17.33	-	6.10	22.00	26.00	0.50	1.76	2.87
12	12	-	24	11.00	11.00	-	12.50	12.50	-	6.10	22.00	25.00	0.50	1.74	2.74
12	15	-	27	10.15	11.85	-	12.46	14.54	-	6.10	22.00	27.00	0.50	1.75	2.87
7	7	7	21	7.00	7.00	7.00	8.57	8.57	8.57	6.10	21.00	25.70	0.50	1.75	2.47
7	7	9	23	6.70	6.70	8.61	8.22	8.22	10.57	6.10	22.00	27.00	0.50	1.76	2.60
7	7	12	26	5.92	5.92	10.15	7.27	7.27	12.46	6.10	22.00	27.00	0.50	1.76	2.87
7	9	9	25	6.16	7.92	7.92	7.56	9.72	9.72	6.10	22.00	27.00	0.50	1.76	2.87
9	9	9	27	7.33	7.33	7.33	9.00	9.00	9.00	6.10	22.00	27.00	0.50	1.77	2.87

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	9	-	16	7.09	9.11	-	8.66	11.14	-	6.10	16.20	19.80	0.50	1.44	1.83
7	12	-	19	7.07	12.13	-	8.33	14.27	-	6.10	19.20	22.60	0.50	1.79	2.23
7	18	-	25	6.16	15.84	-	7.20	18.50	-	6.10	22.00	25.70	0.50	2.09	2.87
9	9	-	18	9.00	9.00	-	10.75	10.75	-	6.10	18.00	21.50	0.50	1.70	2.12
9	12	-	21	9.00	12.00	-	10.11	13.49	-	6.10	21.00	23.60	0.50	1.88	2.55
9	18	-	27	7.33	14.67	-	8.67	17.33	-	6.10	22.00	26.00	0.50	2.09	2.87
12	12	-	24	11.00	11.00	-	12.50	12.50	-	6.10	22.00	25.00	0.50	2.08	2.84
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	2.65
7	7	12	26	5.92	5.92	10.15	7.27	7.27	12.46	6.10	22.00	27.00	0.50	2.11	2.87
7	9	9	25	6.16	7.92	7.92	7.56	9.72	9.72	6.10	22.00	27.00	0.50	2.11	2.87
9	9	9	27	7.33	7.33	7.33	9.00	9.00	9.00	6.10	22.00	27.00	0.50	2.12	2.87

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 RIWH wall mount models. The input of combinations including RICH cassette models may be a little higher.
- Ducted system combinations capacities are based on RIDH slim duct units excepting 7,000-Btu models. 7,000 Btu models are based on RIWH wall mount models.

■ Model: ROMH24AFXZJ

● 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	9.40	9.40	-	10.35	10.35	-	6.80	18.80	20.70	0.52	1.37	1.97
7	9	-	16	9.06	11.64	-	10.37	13.33	-	6.80	20.70	23.70	0.52	1.56	2.57
7	12	-	19	8.18	14.02	-	9.43	16.17	-	6.80	22.20	25.60	0.52	1.89	2.71
7	15	-	22	7.70	15.40	-	9.17	18.33	-	6.80	23.10	27.50	0.50	1.91	2.81
7	18	-	25	6.72	17.28	-	7.84	20.16	-	6.80	24.00	28.00	0.50	1.92	2.93
9	9	-	18	11.00	11.00	-	12.50	12.50	-	6.80	22.00	25.00	0.52	1.74	2.69
9	12	-	21	9.94	13.26	-	11.19	14.91	-	6.80	23.20	26.10	0.52	1.99	2.73
9	15	-	24	9.23	14.37	-	10.78	16.77	-	6.80	23.60	27.55	0.50	1.95	2.83
9	18	-	27	8.00	16.00	-	9.67	19.33	-	6.80	24.00	29.00	0.50	1.90	2.93
12	12	-	24	12.00	12.00	-	13.70	13.70	-	6.80	24.00	27.40	0.52	2.08	2.93
12	15	-	27	11.08	12.92	-	13.59	15.86	-	6.80	24.00	29.45	0.50	1.91	2.93
7	7	7	21	7.73	7.73	7.73	9.37	9.37	9.37	6.80	23.20	28.10	0.50	1.68	2.84
7	7	9	23	7.30	7.30	9.39	9.07	9.07	11.66	6.80	24.00	29.80	0.50	1.73	2.93
7	7	12	26	6.46	6.46	11.08	8.08	8.08	13.85	6.80	24.00	30.00	0.50	1.72	2.86
7	9	9	25	6.72	8.64	8.64	8.40	10.80	10.8	6.80	24.00	30.00	0.50	1.72	2.93
9	9	9	27	8.00	8.00	8.00	10.00	10.00	10.00	6.80	24.00	30.00	0.50	1.71	2.93

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	9	-	16	9.06	11.64	-	10.37	13.33	-	6.80	20.7	23.70	0.52	1.52	2.51
7	12	-	19	8.18	14.02	-	9.43	16.17	-	6.80	22.2	25.60	0.52	1.86	2.68
7	18	-	25	6.72	17.28	-	7.84	20.16	-	6.80	24.00	28.00	0.50	1.89	2.93
9	9	-	18	11.00	11.00	-	12.50	12.50	-	6.80	22.00	25.00	0.52	1.70	2.62
9	12	-	21	9.94	13.26	-	11.19	14.91	-	6.80	23.20	26.10	0.52	1.96	2.70
9	18	-	27	8.00	16.00	-	9.67	19.33	-	6.80	24.00	29.00	0.50	1.87	2.93
12	12	-	24	12.00	12.00	-	13.70	13.70	-	6.80	24.00	27.40	0.52	2.05	2.93
7	7	9	23	7.30	7.30	9.39	9.07	9.07	11.66	6.80	24.00	29.80	0.50	1.70	2.93
7	7	12	26	6.46	6.46	11.08	8.08	8.08	13.85	6.80	24.00	30.00	0.50	1.69	2.86
7	9	9	25	6.72	8.64	8.64	8.40	10.80	10.80	6.80	24.00	30.00	0.50	1.69	2.93
9	9	9	27	8.00	8.00	8.00	10.00	10.00	10.00	6.80	24.00	30.00	0.50	1.69	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, 14: 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 up to 21,000 Btu from 14,000 Btu.
- Non-Ducted system combinations input are based on RIWH wall mount models. The input of combinations including RICH cassette models may be a little higher.
- Ducted system combinations capacities are based on RIDH slim duct units excepting 7,000-Btu models. 7,000 Btu models are based on RIWH wall mount models.

6-2. Cooling capacity

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

Model: ROMH24AFXZJ

TC: Total Capacity, SHC: Sensible Heat Capacity, IP: Input Power
The data is based on the following conditions:
Pipe length: 7.5 m, Height difference: 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

		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	1.46	15.42	10.54	1.48	16.25	11.63	1.49	17.40	12.21	1.51	18.60	12.49	1.53	19.17	13.88	1.54
	104	12.94	10.24	1.62	14.62	10.22	1.64	15.41	11.28	1.66	16.50	11.84	1.68	17.64	12.11	1.70	18.18	13.46	1.70
	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	1.46	4.52	3.09	1.48	4.76	3.41	1.49	5.10	3.58	1.51	5.45	3.66	1.53	5.62	4.07	1.54
	40.0	3.79	3.00	1.62	4.28	3.00	1.64	4.52	3.31	1.66	4.84	3.47	1.68	5.17	3.55	1.70	5.33	3.94	1.70
	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	1.76	17.54	11.70	1.80	18.49	12.90	1.81	19.80	13.54	1.83	21.17	13.85	1.85	21.82	15.40	1.86
	104	14.75	11.37	1.96	16.67	11.36	1.99	17.58	12.53	2.01	18.82	13.15	2.03	20.12	13.45	2.05	20.74	14.95	2.07
	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	1.76	5.14	3.43	1.80	5.42	3.78	1.81	5.80	3.97	1.83	6.20	4.06	1.85	6.39	4.51	1.86
	40.0	4.32	3.33	1.96	4.89	3.33	1.99	5.15	3.67	2.01	5.52	3.85	2.03	5.90	3.94	2.05	6.08	4.38	2.07
	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	2.15	20.02	13.28	2.19	21.11	14.64	2.21	22.60	15.37	2.23	24.16	15.72	2.26	24.91	17.47	2.27
	104	16.80	12.89	2.39	18.99	12.87	2.43	20.02	14.20	2.45	21.43	14.90	2.48	22.91	15.25	2.50	23.62	16.94	2.52
	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

		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	2.15	5.87	3.89	2.19	6.19	4.29	2.21	6.62	4.50	2.23	7.08	4.61	2.26	7.30	5.12	2.27
	40.0	4.92	3.78	2.39	5.57	3.77	2.43	5.87	4.16	2.45	6.28	4.37	2.48	6.71	4.47	2.50	6.92	4.97	2.52
	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	2.45	21.40	14.19	2.49	22.56	15.66	2.51	24.15	16.43	2.54	25.82	16.81	2.57	26.61	18.68	2.58
	104	16.87	13.29	2.39	19.07	13.28	2.43	20.10	14.65	2.45	21.52	15.37	2.48	23.01	15.72	2.51	23.72	17.48	2.52
	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	2.45	6.27	4.16	2.49	6.61	4.59	2.51	7.08	4.82	2.54	7.57	4.93	2.57	7.80	5.48	2.58
	40.0	4.95	3.90	2.39	5.59	3.89	2.43	5.89	4.29	2.45	6.31	4.50	2.48	6.74	4.61	2.51	6.95	5.12	2.52
	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	2.77	22.77	14.72	2.82	24.00	16.24	2.84	25.70	17.04	2.87	27.47	17.44	2.90	28.32	19.38	2.92
	104	16.90	13.31	2.31	19.10	13.30	2.35	20.13	14.67	2.37	21.55	15.39	2.40	23.04	15.75	2.43	23.75	17.50	2.44
	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	2.77	6.67	4.32	2.82	7.04	4.76	2.84	7.53	5.00	2.87	8.05	5.11	2.90	8.30	5.68	2.92
	40.0	4.95	3.90	2.31	5.60	3.90	2.35	5.90	4.30	2.37	6.32	4.51	2.40	6.75	4.62	2.43	6.96	5.13	2.44
	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	2.04	19.05	12.66	2.08	20.08	13.96	2.10	21.50	14.65	2.12	22.98	14.99	2.14	23.69	16.66	2.16
	104	15.98	12.29	2.27	18.06	12.27	2.31	19.04	13.54	2.33	20.39	14.20	2.35	21.80	14.53	2.38	22.47	16.15	2.39
	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	2.04	5.58	3.71	2.08	5.89	4.09	2.10	6.30	4.29	2.12	6.74	4.39	2.14	6.94	4.88	2.16
	40.0	4.68	3.60	2.27	5.29	3.60	2.31	5.58	3.97	2.33	5.98	4.16	2.35	6.39	4.26	2.38	6.59	4.73	2.39
	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	2.46	20.91	13.66	2.50	22.04	15.07	2.52	23.60	15.82	2.55	25.23	16.18	2.58	26.01	17.99	2.59
	104	16.63	12.86	2.35	18.79	12.84	2.39	19.81	14.17	2.41	21.21	14.87	2.44	22.67	15.21	2.46	23.37	16.90	2.48
	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

		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	2.46	6.13	4.00	2.50	6.46	4.42	2.52	6.92	4.64	2.55	7.39	4.74	2.58	7.62	5.27	2.59
	40.0	4.87	3.77	2.35	5.51	3.76	2.39	5.81	4.15	2.41	6.22	4.36	2.44	6.64	4.46	2.46	6.85	4.95	2.48
	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	14.7	0.96	21.29	15.43	0.97	22.76	15.78	0.98	23.46	17.54	0.99
	32	16.4	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	2.56	21.97	14.56	2.61	23.16	16.06	2.63	24.80	16.86	2.66	26.51	17.25	2.69	27.33	19.17	2.71
	104	16.45	13.23	2.22	18.59	13.22	2.26	19.59	14.58	2.28	20.98	15.30	2.30	22.43	15.65	2.33	23.12	17.39	2.34
	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	2.56	6.44	4.27	2.61	6.79	4.71	2.63	7.27	4.94	2.66	7.77	5.05	2.69	8.01	5.62	2.71
	40.0	4.82	3.88	2.22	5.45	3.87	2.26	5.74	4.27	2.28	6.15	4.48	2.30	6.57	4.59	2.33	6.78	5.10	2.34
	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	2.77	23.04	15.15	2.82	24.28	16.71	2.84	26.00	17.54	2.87	27.79	17.94	2.90	28.65	19.94	2.92
	104	17.00	13.65	2.31	19.21	13.63	2.35	20.25	15.04	2.37	21.68	15.78	2.40	23.18	16.15	2.43	23.89	17.94	2.44
	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

		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	2.77	6.75	4.44	2.82	7.12	4.90	2.84	7.62	5.14	2.87	8.15	5.26	2.90	8.40	5.84	2.92
	40.0	4.98	4.00	2.31	5.63	4.00	2.35	5.93	4.41	2.37	6.35	4.63	2.40	6.79	4.73	2.43	7.00	5.26	2.44
	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	2.74	22.15	14.43	2.79	23.35	15.91	2.81	25.00	16.70	2.84	26.73	17.09	2.87	27.55	18.99	2.89
	104	16.86	13.24	2.40	19.05	13.22	2.44	20.09	14.58	2.46	21.51	15.30	2.49	22.99	15.66	2.52	23.70	17.40	2.53
	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	0.8	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	2.74	6.49	4.23	2.79	6.84	4.66	2.81	7.33	4.89	2.84	7.83	5.01	2.87	8.07	5.57	2.89
	40.0	4.94	3.88	2.40	5.58	3.87	2.44	5.89	4.27	2.46	6.30	4.49	2.49	6.74	4.59	2.52	6.95	5.10	2.53
	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	2.77	23.92	15.99	2.82	25.22	17.64	2.84	27.00	18.51	2.87	28.86	18.94	2.90	29.75	21.05	2.92
	104	17.65	14.41	2.31	19.95	14.39	2.35	21.03	15.88	2.37	22.51	16.66	2.40	24.07	17.05	2.43	24.81	18.94	2.44
	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

		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	2.77	7.01	4.69	2.82	7.39	5.17	2.84	7.91	5.43	2.87	8.46	5.55	2.90	8.72	6.17	2.92
	40.0	5.17	4.22	2.31	5.85	4.22	2.35	6.16	4.65	2.37	6.60	4.88	2.40	7.05	5.00	2.43	7.27	5.55	2.44
	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	2.28	22.77	15.58	2.32	24.00	17.19	2.34	25.70	18.04	2.47	27.47	18.45	2.40	28.32	20.51	2.41
	104	18.22	14.72	2.31	20.59	14.70	2.35	21.70	16.21	2.37	23.24	17.01	2.50	24.84	17.41	2.43	25.61	19.35	2.44
	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	2.28	6.67	4.57	2.32	7.04	5.04	2.34	7.53	5.29	2.47	8.05	5.41	2.40	8.30	6.01	2.41
	40.0	5.34	4.31	2.31	6.03	4.31	2.35	6.36	4.75	2.37	6.81	4.99	2.50	7.28	5.10	2.43	7.50	5.67	2.44
	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	0.9	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	2.51	23.92	16.40	2.55	25.22	18.09	2.57	27.00	18.99	2.65	28.86	19.42	2.63	29.75	21.59	2.64
	104	18.42	15.15	2.31	20.82	15.13	2.35	21.94	16.69	2.37	23.49	17.51	2.45	25.11	17.92	2.43	25.89	19.91	2.44
	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

		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	5.9	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	2.51	7.01	4.81	2.55	7.39	5.30	2.57	7.91	5.56	2.65	8.46	5.69	2.63	8.72	6.33	2.64
	40.0	5.40	4.44	2.31	6.10	4.43	2.35	6.43	4.89	2.37	6.89	5.13	2.45	7.36	5.25	2.43	7.59	5.84	2.44
	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	2.77	23.92	16.33	2.82	25.22	18.01	2.84	27.00	18.90	2.87	28.86	19.34	2.90	29.75	21.50	2.92
	104	17.65	14.72	2.31	19.95	14.70	2.35	21.03	16.21	2.37	22.51	17.01	2.40	24.07	17.41	2.43	24.81	19.34	2.44
	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	1.2	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	2.77	7.01	4.79	2.82	7.39	5.28	2.84	7.91	5.54	2.87	8.46	5.67	2.90	8.72	6.30	2.92
	40.0	5.17	4.31	2.31	5.85	4.31	2.35	6.16	4.75	2.37	6.60	4.99	2.40	7.05	5.10	2.43	7.27	5.67	2.44
	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	2.77	23.92	16.41	2.82	25.22	18.10	2.84	27.00	18.99	2.87	28.86	19.43	2.90	29.75	21.60	2.92
	104	17.65	14.78	2.31	19.95	14.77	2.35	21.03	16.29	2.37	22.51	17.09	2.40	24.07	17.49	2.43	24.81	19.44	2.44
	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	4.5	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	2.77	7.01	4.81	2.82	7.39	5.30	2.84	7.91	5.57	2.87	8.46	5.70	2.90	8.72	6.33	2.92
	40.0	5.17	4.33	2.31	5.85	4.33	2.35	6.16	4.77	2.37	6.60	5.01	2.40	7.05	5.13	2.43	7.27	5.70	2.44
	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	16.7	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	2.77	23.92	16.66	2.82	25.22	18.37	2.84	27.00	19.28	2.87	28.86	19.73	2.90	29.75	21.92	2.92
	104	17.65	15.01	2.31	19.95	14.99	2.35	21.03	16.54	2.37	22.51	17.35	2.40	24.07	17.75	2.43	24.81	19.73	2.44
	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	2.77	7.01	4.88	2.82	7.39	5.39	2.84	7.91	5.65	2.87	8.46	5.78	2.90	8.72	6.43	2.92
	40.0	5.17	4.40	2.31	5.85	4.39	2.35	6.16	4.85	2.37	6.60	5.09	2.40	7.05	5.20	2.43	7.27	5.78	2.44
	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: ROMH24AFXZJ

TC: Total Capacity, IP: Input Power
The data is based on the following conditions:
Pipe length: 7.5 m, Height difference: 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
	5	3	8.16	1.06	7.90	1.09	7.64	1.12	7.37	1.15	7.21	1.17
	14	12	9.31	1.13	9.02	1.17	8.71	1.20	8.41	1.23	8.22	1.25
	23	19	9.73	1.08	9.42	1.11	9.10	1.15	8.78	1.18	8.59	1.20
	32	28	10.16	1.03	9.83	1.06	9.50	1.09	9.17	1.12	8.97	1.13
	41	37	11.45	0.96	11.08	0.99	10.71	1.01	10.34	1.04	10.11	1.06
	47	43	12.21	0.96	11.82	0.99	11.42	1.02	11.02	1.05	10.78	1.07
	50	47	12.30	1.00	11.91	1.03	11.51	1.06	11.10	1.09	10.86	1.11
	59	50	12.42	0.96	12.03	0.99	11.62	1.02	11.21	1.04	10.97	1.06
	68	59	12.18	0.76	11.79	0.78	11.39	0.80	10.99	0.83	10.75	0.84
	75	65	10.96	0.57	10.61	0.59	10.25	0.61	9.90	0.62	9.68	0.63

			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	
	-15.0	-16.1	2.39	1.06	2.32	1.09	2.24	1.12	2.16	1.15	2.11	1.17
	-10.0	-11.1	2.73	1.13	2.64	1.17	2.55	1.20	2.46	1.23	2.41	1.25
	-5.0	-7.2	2.85	1.08	2.76	1.11	2.67	1.15	2.57	1.18	2.52	1.20
	0.0	-2.2	2.98	1.03	2.88	1.06	2.78	1.09	2.69	1.12	2.63	1.13
	5.0	2.8	3.35	0.96	3.25	0.99	3.14	1.01	3.03	1.04	2.96	1.06
	8.3	6.1	3.58	0.96	3.46	0.99	3.35	1.02	3.23	1.05	3.16	1.07
	10.0	8.3	3.60	1.00	3.49	1.03	3.37	1.06	3.25	1.09	3.18	1.11
	15.0	10.0	3.64	0.96	3.53	0.99	3.41	1.02	3.29	1.04	3.21	1.06
	20.0	15.0	3.57	0.76	3.46	0.78	3.34	0.80	3.22	0.83	3.15	0.84
	23.9	18.3	3.21	0.57	3.11	0.59	3.01	0.61	2.90	0.62	2.84	0.63

● Indoor units: 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	5	3	10.98	1.31	10.63	1.35	10.27	1.39	9.91	1.43	9.70	1.45
	14	12	12.49	1.41	12.10	1.45	11.69	1.49	11.28	1.54	11.03	1.56
	23	19	13.18	1.37	12.77	1.41	12.33	1.45	11.90	1.49	11.64	1.51
	32	28	13.95	1.32	13.51	1.36	13.05	1.40	12.60	1.44	12.32	1.46
	41	37	15.80	1.27	15.30	1.31	14.78	1.34	14.27	1.38	13.95	1.41
	47	43	16.85	1.28	16.32	1.32	15.77	1.36	15.21	1.40	14.88	1.42
	50	47	16.98	1.30	16.44	1.33	15.88	1.37	15.33	1.41	14.99	1.43
	59	50	17.14	1.29	16.60	1.33	16.04	1.37	15.48	1.41	15.14	1.43
	68	59	16.81	0.98	16.28	1.01	15.73	1.04	15.18	1.07	14.84	1.08
	75	65	13.33	0.79	12.91	0.81	12.47	0.84	12.03	0.86	11.77	0.88

			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	-15.0	-16.1	3.22	1.31	3.12	1.35	3.01	1.39	2.91	1.43	2.84	1.45
	-10.0	-11.1	3.66	1.41	3.55	1.45	3.43	1.49	3.31	1.54	3.23	1.56
	-5.0	-7.2	3.86	1.37	3.74	1.41	3.61	1.45	3.49	1.49	3.41	1.51
	0.0	-2.2	4.09	1.32	3.96	1.36	3.83	1.40	3.69	1.44	3.61	1.46
	5.0	2.8	4.63	1.27	4.48	1.31	4.33	1.34	4.18	1.38	4.09	1.41
	8.3	6.1	4.94	1.28	4.78	1.32	4.62	1.36	4.46	1.40	4.36	1.42
	10.0	8.3	4.98	1.30	4.82	1.33	4.66	1.37	4.49	1.41	4.39	1.43
	15.0	10.0	5.02	1.29	4.87	1.33	4.70	1.37	4.54	1.41	4.44	1.43
	20.0	15.0	4.93	0.98	4.77	1.01	4.61	1.04	4.45	1.07	4.35	1.08
	23.9	18.3	3.91	0.79	3.78	0.81	3.65	0.84	3.53	0.86	3.45	0.88

● Indoor units: 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	5	3	12.55	1.69	12.15	1.74	11.74	1.79	11.33	1.84	11.08	1.87
	14	12	14.28	1.81	13.83	1.86	13.36	1.92	12.89	1.97	12.61	2.00
	23	19	15.06	1.78	14.58	1.83	14.09	1.88	13.59	1.93	13.29	1.96
	32	28	15.94	1.69	15.44	1.74	14.92	1.79	14.40	1.84	14.08	1.87
	41	37	18.06	1.58	17.49	1.63	16.89	1.67	16.30	1.72	15.94	1.75
	47	43	19.26	1.60	18.65	1.64	18.02	1.69	17.39	1.74	17.00	1.76
	50	47	19.40	1.61	18.79	1.66	18.15	1.71	17.52	1.76	17.13	1.78
	59	50	19.59	1.62	18.97	1.66	18.33	1.71	17.69	1.76	17.30	1.79
	68	59	19.21	1.37	18.60	1.41	17.97	1.45	17.34	1.49	16.96	1.52
	75	65	16.21	0.95	15.70	0.98	15.16	1.00	14.63	1.03	14.31	1.05

			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	-15.0	-16.1	3.68	1.69	3.56	1.74	3.44	1.79	3.32	1.84	3.25	1.87
	-10.0	-11.1	4.18	1.81	4.05	1.86	3.92	1.92	3.78	1.97	3.70	2.00
	-5.0	-7.2	4.41	1.78	4.27	1.83	4.13	1.88	3.98	1.93	3.90	1.96
	0.0	-2.2	4.67	1.69	4.53	1.74	4.37	1.79	4.22	1.84	4.13	1.87
	5.0	2.8	5.29	1.58	5.12	1.63	4.95	1.67	4.78	1.72	4.67	1.75
	8.3	6.1	5.64	1.60	5.47	1.64	5.28	1.69	5.10	1.74	4.98	1.76
	10.0	8.3	5.69	1.61	5.51	1.66	5.32	1.71	5.13	1.76	5.02	1.78
	15.0	10.0	5.74	1.62	5.56	1.66	5.37	1.71	5.18	1.76	5.07	1.79
	20.0	15.0	5.63	1.37	5.45	1.41	5.27	1.45	5.08	1.49	4.97	1.52
	23.9	18.3	4.75	0.95	4.60	0.98	4.44	1.00	4.29	1.03	4.19	1.05

● Indoor units: 14,000 Btu

			Indoor temperature									
		°FDB	60		65		70		75		78	
Outdoor temperature	°FDB	°FWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
	5	3	13.66	1.67	13.23	1.72	12.78	1.76	12.34	1.81	12.07	1.84
	14	12	15.58	1.78	15.09	1.84	14.58	1.89	14.07	1.94	13.76	1.97
	23	19	16.55	1.76	16.03	1.81	15.48	1.86	14.94	1.91	14.61	1.94
	32	28	17.62	1.69	17.07	1.74	16.49	1.79	15.91	1.84	15.56	1.87
	41	37	19.81	1.59	19.19	1.63	18.54	1.68	17.89	1.73	17.50	1.76
	47	43	21.13	1.61	20.46	1.65	19.77	1.70	19.08	1.75	18.66	1.77
	50	47	21.29	1.62	20.62	1.67	19.92	1.72	19.22	1.77	18.80	1.80
	59	50	22.14	1.71	21.44	1.76	20.72	1.81	19.99	1.86	19.55	1.89
	68	59	21.08	1.33	20.41	1.37	19.72	1.40	19.03	1.44	18.61	1.47
	75	65	20.42	1.16	19.78	1.20	19.11	1.23	18.44	1.26	18.03	1.29

			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	
	-15.0	-16.1	4.00	1.67	3.88	1.72	3.75	1.76	3.62	1.81	3.54	1.84
	-10.0	-11.1	4.57	1.78	4.42	1.84	4.27	1.89	4.12	1.94	4.03	1.97
	-5.0	-7.2	4.85	1.76	4.70	1.81	4.54	1.86	4.38	1.91	4.28	1.94
	0.0	-2.2	5.17	1.69	5.00	1.74	4.83	1.79	4.66	1.84	4.56	1.87
	5.0	2.8	5.81	1.59	5.62	1.63	5.43	1.68	5.24	1.73	5.13	1.76
	8.3	6.1	6.19	1.61	6.00	1.65	5.79	1.70	5.59	1.75	5.47	1.77
	10.0	8.3	6.24	1.62	6.04	1.67	5.84	1.72	5.63	1.77	5.51	1.80
	15.0	10.0	6.49	1.71	6.28	1.76	6.07	1.81	5.86	1.86	5.73	1.89
	20.0	15.0	6.18	1.33	5.98	1.37	5.78	1.40	5.58	1.44	5.46	1.47
	23.9	18.3	5.99	1.16	5.80	1.20	5.60	1.23	5.40	1.26	5.29	1.29

● Indoor units: 18,000 Btu

			Indoor temperature									
		°FDB	60		65		70		75		78	
Outdoor temperature	°FDB	°FWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
	5	3	16.93	2.37	16.40	2.44	15.84	2.51	15.29	2.58	14.95	2.63
	14	12	19.26	2.47	18.65	2.54	18.02	2.61	17.39	2.68	17.01	2.73
	23	19	20.62	2.55	19.96	2.62	19.29	2.69	18.61	2.77	18.20	2.82
	32	28	22.38	2.40	21.67	2.47	20.94	2.54	20.21	2.61	19.76	2.65
	41	37	25.35	2.37	24.55	2.44	23.72	2.51	22.89	2.58	22.38	2.63
	47	43	27.03	2.40	26.18	2.47	25.29	2.54	24.41	2.61	23.87	2.65
	50	47	27.23	2.44	26.37	2.51	25.48	2.58	24.59	2.65	24.05	2.69
	59	50	27.50	2.37	26.63	2.44	25.73	2.51	24.83	2.58	24.29	2.63
	68	59	26.96	1.99	26.11	2.05	25.23	2.11	24.35	2.17	23.81	2.20
	75	65	24.27	1.42	23.50	1.47	22.71	1.51	21.91	1.55	21.43	1.58

			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	
	-15.0	-16.1	4.96	2.37	4.81	2.44	4.64	2.51	4.48	2.58	4.38	2.63
	-10.0	-11.1	5.64	2.47	5.47	2.54	5.28	2.61	5.10	2.68	4.98	2.73
	-5.0	-7.2	6.04	2.55	5.85	2.62	5.65	2.69	5.46	2.77	5.34	2.82
	0.0	-2.2	6.56	2.40	6.35	2.47	6.14	2.54	5.92	2.61	5.79	2.65
	5.0	2.8	7.43	2.37	7.19	2.44	6.95	2.51	6.71	2.58	6.56	2.63
	8.3	6.1	7.92	2.40	7.67	2.47	7.41	2.54	7.15	2.61	7.00	2.65
	10.0	8.3	7.98	2.44	7.73	2.51	7.47	2.58	7.21	2.65	7.05	2.69
	15.0	10.0	8.06	2.37	7.81	2.44	7.54	2.51	7.28	2.58	7.12	2.63
	20.0	15.0	7.90	1.99	7.65	2.05	7.39	2.11	7.14	2.17	6.98	2.20
	23.9	18.3	7.11	1.42	6.89	1.47	6.65	1.51	6.42	1.55	6.28	1.58

● 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	5	3	13.26	1.82	12.84	1.88	12.41	1.93	11.97	1.99	11.71	2.02
	14	12	15.69	1.94	15.20	1.99	14.68	2.05	14.17	2.11	13.86	2.14
	23	19	17.23	1.90	16.69	1.95	16.13	2.01	15.56	2.07	15.22	2.10
	32	28	19.10	1.84	18.49	1.90	17.87	1.95	17.24	2.01	16.86	2.04
	41	37	20.74	1.79	20.09	1.84	19.41	1.89	18.73	1.95	18.32	1.98
	47	43	22.12	1.86	21.42	1.91	20.70	1.97	19.98	2.03	19.54	2.06
	50	47	23.28	1.88	22.55	1.93	21.78	1.99	21.02	2.05	20.56	2.08
	59	50	25.64	1.90	24.83	1.95	23.99	2.01	23.15	2.07	22.64	2.10
	68	59	23.32	1.66	22.59	1.71	21.82	1.76	21.06	1.80	20.59	1.83
	75	65	20.19	1.11	19.55	1.14	18.89	1.17	18.23	1.20	17.83	1.22

			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	-15.0	-16.1	3.89	1.82	3.76	1.88	3.64	1.93	3.51	1.99	3.43	2.02
	-10.0	-11.1	4.60	1.94	4.45	1.99	4.30	2.05	4.15	2.11	4.06	2.14
	-5.0	-7.2	5.05	1.90	4.89	1.95	4.73	2.01	4.56	2.07	4.46	2.10
	0.0	-2.2	5.60	1.84	5.42	1.90	5.24	1.95	5.05	2.01	4.94	2.04
	5.0	2.8	6.08	1.79	5.89	1.84	5.69	1.89	5.49	1.95	5.37	1.98
	8.3	6.1	6.48	1.86	6.28	1.91	6.07	1.97	5.85	2.03	5.73	2.06
	10.0	8.3	6.82	1.88	6.61	1.93	6.38	1.99	6.16	2.05	6.03	2.08
	15.0	10.0	7.51	1.90	7.28	1.95	7.03	2.01	6.78	2.07	6.64	2.10
	20.0	15.0	6.84	1.66	6.62	1.71	6.40	1.76	6.17	1.80	6.04	1.83
	23.9	18.3	5.92	1.11	5.73	1.14	5.54	1.17	5.34	1.20	5.22	1.22

● 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	5	3	14.81	2.38	14.34	2.45	13.86	2.52	13.37	2.59	13.08	2.63
	14	12	17.49	2.53	16.94	2.60	16.36	2.67	15.79	2.75	15.44	2.79
	23	19	19.23	2.48	18.62	2.55	17.99	2.62	17.36	2.69	16.98	2.74
	32	28	21.50	2.40	20.82	2.47	20.12	2.54	19.41	2.62	18.98	2.66
	41	37	23.75	2.33	23.00	2.40	22.22	2.47	21.44	2.54	20.97	2.58
	47	43	25.33	2.43	24.53	2.50	23.70	2.57	22.87	2.64	22.37	2.69
	50	47	26.58	2.42	25.74	2.49	24.87	2.57	24.00	2.64	23.47	2.68
	59	50	26.75	2.23	25.91	2.29	25.03	2.36	24.15	2.42	23.62	2.46
	68	59	24.68	1.87	23.90	1.93	23.09	1.98	22.29	2.04	21.80	2.07
	75	65	23.39	1.44	22.65	1.48	21.88	1.53	21.12	1.57	20.65	1.60

			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	-15.0	-16.1	4.34	2.38	4.20	2.45	4.06	2.52	3.92	2.59	3.83	2.63
	-10.0	-11.1	5.13	2.53	4.96	2.60	4.80	2.67	4.63	2.75	4.53	2.79
	-5.0	-7.2	5.63	2.48	5.46	2.55	5.27	2.62	5.09	2.69	4.98	2.74
	0.0	-2.2	6.30	2.40	6.10	2.47	5.90	2.54	5.69	2.62	5.56	2.66
	5.0	2.8	6.96	2.33	6.74	2.40	6.51	2.47	6.28	2.54	6.15	2.58
	8.3	6.1	7.42	2.43	7.19	2.50	6.95	2.57	6.70	2.64	6.56	2.69
	10.0	8.3	7.79	2.42	7.54	2.49	7.29	2.57	7.03	2.64	6.88	2.68
	15.0	10.0	7.84	2.23	7.59	2.29	7.34	2.36	7.08	2.42	6.92	2.46
	20.0	15.0	7.23	1.87	7.01	1.93	6.77	1.98	6.53	2.04	6.39	2.07
	23.9	18.3	6.85	1.44	6.64	1.48	6.41	1.53	6.19	1.57	6.05	1.60

● 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
	5	3	16.31	2.51	15.79	2.58	15.26	2.66	14.72	2.73	14.40	2.78
	14	12	18.98	2.67	18.38	2.74	17.76	2.82	17.14	2.90	16.76	2.95
	23	19	21.00	2.61	20.34	2.69	19.65	2.76	18.96	2.84	18.54	2.89
	32	28	23.63	2.54	22.88	2.61	22.11	2.68	21.33	2.76	20.86	2.80
	41	37	25.65	2.46	24.84	2.53	24.00	2.60	23.16	2.68	22.65	2.72
	47	43	27.36	2.56	26.50	2.63	25.60	2.71	24.70	2.79	24.16	2.83
	50	47	28.64	2.56	27.73	2.63	26.79	2.70	25.86	2.78	25.29	2.83
	59	50	28.71	2.25	27.81	2.31	26.87	2.38	25.92	2.45	25.35	2.49
	68	59	27.93	1.89	27.05	1.94	26.13	2.00	25.22	2.06	24.66	2.09
	75	65	25.23	1.65	24.44	1.70	23.61	1.74	22.79	1.79	22.28	1.82

			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	
	-15.0	-16.1	4.78	2.51	4.63	2.58	4.47	2.66	4.32	2.73	4.22	2.78
	-10.0	-11.1	5.56	2.67	5.39	2.74	5.21	2.82	5.02	2.90	4.91	2.95
	-5.0	-7.2	6.15	2.61	5.96	2.69	5.76	2.76	5.56	2.84	5.43	2.89
	0.0	-2.2	6.92	2.54	6.71	2.61	6.48	2.68	6.25	2.76	6.11	2.80
	5.0	2.8	7.52	2.46	7.28	2.53	7.03	2.60	6.79	2.68	6.64	2.72
	8.3	6.1	8.02	2.56	7.77	2.63	7.50	2.71	7.24	2.79	7.08	2.83
	10.0	8.3	8.39	2.56	8.13	2.63	7.85	2.70	7.58	2.78	7.41	2.83
	15.0	10.0	8.42	2.25	8.15	2.31	7.87	2.38	7.60	2.45	7.43	2.49
	20.0	15.0	8.19	1.89	7.93	1.94	7.66	2.00	7.39	2.06	7.23	2.09
	23.9	18.3	7.40	1.65	7.16	1.70	6.92	1.74	6.68	1.79	6.53	1.82

● Indoor units: 7,000 Btu + 14,000 Btu

			Indoor temperature									
		°FDB	60		65		70		75		78	
Outdoor temperature	°FDB	°FWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
	5	3	16.48	2.52	15.96	2.59	15.42	2.67	14.88	2.74	14.55	2.79
	14	12	19.34	2.52	18.73	2.59	18.09	2.67	17.46	2.74	17.08	2.79
	23	19	21.88	2.52	21.19	2.59	20.48	2.67	19.76	2.74	19.32	2.79
	32	28	24.61	2.47	23.83	2.54	23.02	2.61	22.22	2.69	21.73	2.73
	41	37	27.56	2.54	26.69	2.61	25.78	2.69	24.88	2.76	24.33	2.81
	47	43	29.39	2.66	28.46	2.73	27.50	2.81	26.54	2.89	25.95	2.94
	50	47	30.42	2.23	29.46	2.30	28.46	2.36	27.47	2.43	26.86	2.47
	59	50	30.14	2.10	29.19	2.16	28.20	2.23	27.21	2.29	26.61	2.33
	68	59	28.66	1.77	27.76	1.82	26.82	1.87	25.88	1.92	25.31	1.96
	75	65	27.07	1.69	26.21	1.74	25.33	1.79	24.44	1.84	23.90	1.87

			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	
	-15.0	-16.1	4.83	2.52	4.68	2.59	4.52	2.67	4.36	2.74	4.26	2.79
	-10.0	-11.1	5.67	2.52	5.49	2.59	5.30	2.67	5.12	2.74	5.00	2.79
	-5.0	-7.2	6.41	2.52	6.21	2.59	6.00	2.67	5.79	2.74	5.66	2.79
	0.0	-2.2	7.21	2.47	6.98	2.54	6.75	2.61	6.51	2.69	6.37	2.73
	5.0	2.8	8.08	2.54	7.82	2.61	7.56	2.69	7.29	2.76	7.13	2.81
	8.3	6.1	8.61	2.66	8.34	2.73	8.06	2.81	7.78	2.89	7.61	2.94
	10.0	8.3	8.92	2.23	8.63	2.30	8.34	2.36	8.05	2.43	7.87	2.47
	15.0	10.0	8.83	2.10	8.55	2.16	8.26	2.23	7.98	2.29	7.80	2.33
	20.0	15.0	8.40	1.77	8.14	1.82	7.86	1.87	7.59	1.92	7.42	1.96
	23.9	18.3	7.93	1.69	7.68	1.74	7.42	1.79	7.16	1.84	7.01	1.87

● 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	5	3	16.91	2.52	16.37	2.59	15.82	2.67	15.27	2.74	14.93	2.79
	14	12	19.83	2.63	19.21	2.71	18.56	2.79	17.91	2.86	17.51	2.91
	23	19	22.39	2.70	21.68	2.77	20.95	2.85	20.22	2.93	19.77	2.98
	32	28	25.29	2.70	24.49	2.77	23.66	2.85	22.83	2.93	22.33	2.98
	41	37	28.18	2.70	27.29	2.77	26.37	2.85	25.44	2.93	24.88	2.98
	47	43	29.93	2.77	28.98	2.85	28.00	2.93	27.02	3.00	26.43	3.00
	50	47	30.91	2.72	29.94	2.80	28.93	2.88	27.91	2.96	27.30	3.00
	59	50	30.77	2.25	29.80	2.31	28.79	2.38	27.78	2.45	27.17	2.49
	68	59	29.85	1.89	28.91	1.94	27.93	2.00	26.95	2.06	26.36	2.09
	75	65	29.96	1.87	29.01	1.92	28.03	1.98	27.05	2.03	26.45	2.07

			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	-15.0	-16.1	4.96	2.52	4.80	2.59	4.64	2.67	4.47	2.74	4.38	2.79
	-10.0	-11.1	5.81	2.63	5.63	2.71	5.44	2.79	5.25	2.86	5.13	2.91
	-5.0	-7.2	6.56	2.70	6.36	2.77	6.14	2.85	5.93	2.93	5.80	2.98
	0.0	-2.2	7.41	2.70	7.18	2.77	6.93	2.85	6.69	2.93	6.54	2.98
	5.0	2.8	8.26	2.70	8.00	2.77	7.73	2.85	7.46	2.93	7.29	2.98
	8.3	6.1	8.77	2.77	8.49	2.85	8.21	2.93	7.92	3.00	7.74	3.00
	10.0	8.3	9.06	2.72	8.77	2.80	8.48	2.88	8.18	2.96	8.00	3.00
	15.0	10.0	9.02	2.25	8.73	2.31	8.44	2.38	8.14	2.45	7.96	2.49
	20.0	15.0	8.75	1.89	8.47	1.94	8.19	2.00	7.90	2.06	7.73	2.09
	23.9	18.3	8.78	1.87	8.50	1.92	8.22	1.98	7.93	2.03	7.75	2.07

● 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	5	3	15.61	2.49	15.12	2.56	14.61	2.64	14.10	2.71	13.79	2.76
	14	12	18.36	2.63	17.78	2.71	17.17	2.78	16.57	2.86	16.21	2.91
	23	19	20.21	2.59	19.57	2.67	18.91	2.74	18.25	2.82	17.85	2.87
	32	28	22.62	2.52	21.91	2.59	21.17	2.66	20.43	2.74	19.98	2.78
	41	37	25.05	2.44	24.26	2.51	23.44	2.58	22.62	2.66	22.12	2.70
	47	43	26.72	2.54	25.88	2.61	25.00	2.69	24.13	2.77	23.59	2.81
	50	47	28.02	2.54	27.14	2.61	26.22	2.68	25.30	2.76	24.74	2.80
	59	50	28.33	2.21	27.44	2.27	26.51	2.34	25.58	2.40	25.02	2.44
	68	59	25.14	1.85	24.35	1.91	23.52	1.96	22.70	2.02	22.20	2.05
	75	65	24.63	1.51	23.86	1.55	23.05	1.60	22.24	1.64	21.75	1.67

			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	-15.0	-16.1	4.58	2.49	4.43	2.56	4.28	2.64	4.13	2.71	4.04	2.76
	-10.0	-11.1	5.38	2.63	5.21	2.71	5.03	2.78	4.86	2.86	4.75	2.91
	-5.0	-7.2	5.92	2.59	5.74	2.67	5.54	2.74	5.35	2.82	5.23	2.87
	0.0	-2.2	6.63	2.52	6.42	2.59	6.20	2.66	5.99	2.74	5.85	2.78
	5.0	2.8	7.34	2.44	7.11	2.51	6.87	2.58	6.63	2.66	6.48	2.70
	8.3	6.1	7.83	2.54	7.58	2.61	7.33	2.69	7.07	2.77	6.91	2.81
	10.0	8.3	8.21	2.54	7.95	2.61	7.68	2.68	7.42	2.76	7.25	2.80
	15.0	10.0	8.30	2.21	8.04	2.27	7.77	2.34	7.50	2.40	7.33	2.44
	20.0	15.0	7.37	1.85	7.14	1.91	6.89	1.96	6.65	2.02	6.51	2.05
	23.9	18.3	7.22	1.51	6.99	1.55	6.76	1.60	6.52	1.64	6.38	1.67

● 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
	5	3	15.92	2.52	15.41	2.59	14.89	2.67	14.37	2.74	14.05	2.79
	14	12	18.72	2.54	18.13	2.61	17.52	2.69	16.90	2.76	16.53	2.81
	23	19	20.73	2.54	20.08	2.61	19.40	2.69	18.72	2.76	18.31	2.81
	32	28	23.36	2.51	22.62	2.58	21.86	2.65	21.09	2.73	20.63	2.77
	41	37	26.15	2.48	25.33	2.55	24.47	2.62	23.62	2.70	23.10	2.74
	47	43	27.89	2.58	27.01	2.65	26.10	2.73	25.19	2.81	24.63	2.85
	50	47	28.86	2.55	27.95	2.63	27.01	2.70	26.06	2.78	25.49	2.82
	59	50	29.06	2.12	28.14	2.18	27.19	2.24	26.24	2.30	25.66	2.34
	68	59	25.42	1.78	24.62	1.83	23.78	1.88	22.95	1.94	22.45	1.97
	75	65	25.69	1.66	24.88	1.71	24.04	1.76	23.20	1.81	22.69	1.84

			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	
	-15.0	-16.1	4.66	2.52	4.52	2.59	4.36	2.67	4.21	2.74	4.12	2.79
	-10.0	-11.1	5.49	2.54	5.31	2.61	5.13	2.69	4.95	2.76	4.85	2.81
	-5.0	-7.2	6.08	2.54	5.88	2.61	5.69	2.69	5.49	2.76	5.37	2.81
	0.0	-2.2	6.85	2.51	6.63	2.58	6.41	2.65	6.18	2.73	6.05	2.77
	5.0	2.8	7.67	2.48	7.42	2.55	7.17	2.62	6.92	2.70	6.77	2.74
	8.3	6.1	8.18	2.58	7.92	2.65	7.65	2.73	7.38	2.81	7.22	2.85
	10.0	8.3	8.46	2.55	8.19	2.63	7.92	2.70	7.64	2.78	7.47	2.82
	15.0	10.0	8.52	2.12	8.25	2.18	7.97	2.24	7.69	2.30	7.52	2.34
	20.0	15.0	7.45	1.78	7.21	1.83	6.97	1.88	6.73	1.94	6.58	1.97
	23.9	18.3	7.53	1.66	7.29	1.71	7.05	1.76	6.80	1.81	6.65	1.84

● Indoor units: 9,000 Btu + 14,000 Btu

			Indoor temperature									
		°FDB	60		65		70		75		78	
Outdoor temperature	°FDB	°FWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
	5	3	16.54	2.52	16.02	2.59	15.48	2.67	14.94	2.74	14.61	2.79
	14	12	19.42	2.54	18.81	2.61	18.17	2.69	17.54	2.76	17.15	2.81
	23	19	22.01	2.54	21.31	2.61	20.59	2.69	19.87	2.76	19.43	2.81
	32	28	24.78	2.47	24.00	2.54	23.19	2.61	22.38	2.68	21.88	2.73
	41	37	27.69	2.53	26.82	2.60	25.91	2.68	25.00	2.75	24.45	2.80
	47	43	29.44	2.67	28.51	2.75	27.55	2.83	26.59	2.91	26.00	2.96
	50	47	30.63	2.28	29.66	2.35	28.66	2.42	27.65	2.48	27.04	2.53
	59	50	30.50	2.12	29.54	2.18	28.54	2.24	27.54	2.31	26.93	2.34
	68	59	29.56	1.78	28.63	1.83	27.66	1.89	26.69	1.94	26.10	1.97
	75	65	27.86	1.71	26.98	1.76	26.07	1.81	25.15	1.86	24.60	1.89

			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	
	-15.0	-16.1	4.85	2.52	4.70	2.59	4.54	2.67	4.38	2.74	4.28	2.79
	-10.0	-11.1	5.69	2.54	5.51	2.61	5.33	2.69	5.14	2.76	5.03	2.81
	-5.0	-7.2	6.45	2.54	6.25	2.61	6.03	2.69	5.82	2.76	5.70	2.81
	0.0	-2.2	7.26	2.47	7.03	2.54	6.80	2.61	6.56	2.68	6.41	2.73
	5.0	2.8	8.12	2.53	7.86	2.60	7.59	2.68	7.33	2.75	7.17	2.80
	8.3	6.1	8.63	2.67	8.36	2.75	8.07	2.83	7.79	2.91	7.62	2.96
	10.0	8.3	8.98	2.28	8.69	2.35	8.40	2.42	8.10	2.48	7.93	2.53
	15.0	10.0	8.94	2.12	8.66	2.18	8.36	2.24	8.07	2.31	7.89	2.34
	20.0	15.0	8.66	1.78	8.39	1.83	8.11	1.89	7.82	1.94	7.65	1.97
	23.9	18.3	8.17	1.71	7.91	1.76	7.64	1.81	7.37	1.86	7.21	1.89

● Indoor units: 9,000 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	5	3	17.30	2.52	16.75	2.59	16.19	2.67	15.62	2.74	15.28	2.79
	14	12	20.31	2.63	19.67	2.71	19.01	2.79	18.34	2.86	17.94	2.91
	23	19	22.96	2.70	22.23	2.78	21.48	2.86	20.73	2.94	20.27	2.99
	32	28	26.12	2.70	25.29	2.78	24.44	2.86	23.58	2.94	23.06	2.99
	41	37	29.06	2.70	28.14	2.78	27.19	2.86	26.24	2.94	25.66	2.99
	47	43	30.99	2.77	30.02	2.85	29.00	2.93	27.99	3.00	27.37	3.00
	50	47	32.04	2.73	31.03	2.81	29.98	2.89	28.93	2.97	28.30	3.00
	59	50	31.74	2.26	30.74	2.32	29.70	2.39	28.66	2.46	28.03	2.50
	68	59	30.93	1.90	29.96	1.95	28.94	2.01	27.93	2.06	27.32	2.10
	75	65	31.01	1.87	30.03	1.93	29.02	1.98	28.00	2.04	27.38	2.07

			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	-15.0	-16.1	5.07	2.52	4.91	2.59	4.74	2.67	4.58	2.74	4.48	2.79
	-10.0	-11.1	5.95	2.63	5.77	2.71	5.57	2.79	5.38	2.86	5.26	2.91
	-5.0	-7.2	6.73	2.70	6.52	2.78	6.30	2.86	6.07	2.94	5.94	2.99
	0.0	-2.2	7.65	2.70	7.41	2.78	7.16	2.86	6.91	2.94	6.76	2.99
	5.0	2.8	8.52	2.70	8.25	2.78	7.97	2.86	7.69	2.94	7.52	2.99
	8.3	6.1	9.08	2.77	8.80	2.85	8.50	2.93	8.20	3.00	8.02	3.00
	10.0	8.3	9.39	2.73	9.09	2.81	8.79	2.89	8.48	2.97	8.29	3.00
	15.0	10.0	9.30	2.26	9.01	2.32	8.70	2.39	8.40	2.46	8.21	2.50
	20.0	15.0	9.07	1.90	8.78	1.95	8.48	2.01	8.19	2.06	8.01	2.10
	23.9	18.3	9.09	1.87	8.80	1.93	8.50	1.98	8.21	2.04	8.03	2.07

● Indoor units: 12,000 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	5	3	16.62	2.70	16.10	2.78	15.55	2.86	15.01	2.94	14.68	2.99
	14	12	19.57	2.70	18.95	2.78	18.31	2.86	17.67	2.94	17.28	2.99
	23	19	21.69	2.70	21.00	2.78	20.29	2.86	19.58	2.94	19.15	2.99
	32	28	24.46	2.69	23.69	2.76	22.89	2.84	22.09	2.92	21.60	2.97
	41	37	27.48	2.67	26.61	2.75	25.71	2.82	24.81	2.90	24.26	2.95
	47	43	29.28	2.77	28.36	2.85	27.40	2.93	26.44	3.00	25.86	3.00
	50	47	30.51	2.73	29.55	2.81	28.55	2.89	27.55	2.97	26.94	3.00
	59	50	30.51	2.26	29.55	2.32	28.55	2.39	27.55	2.46	26.95	2.50
	68	59	29.41	1.90	28.48	1.95	27.52	2.01	26.56	2.06	25.97	2.10
	75	65	26.96	1.78	26.11	1.83	25.23	1.89	24.35	1.94	23.81	1.97

			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	-15.0	-16.1	4.87	2.70	4.72	2.78	4.56	2.86	4.40	2.94	4.30	2.99
	-10.0	-11.1	5.74	2.70	5.55	2.78	5.37	2.86	5.18	2.94	5.06	2.99
	-5.0	-7.2	6.36	2.70	6.16	2.78	5.95	2.86	5.74	2.94	5.61	2.99
	0.0	-2.2	7.17	2.69	6.94	2.76	6.71	2.84	6.47	2.92	6.33	2.97
	5.0	2.8	8.05	2.67	7.80	2.75	7.53	2.82	7.27	2.90	7.11	2.95
	8.3	6.1	8.58	2.77	8.31	2.85	8.03	2.93	7.75	3.00	7.58	3.00
	10.0	8.3	8.94	2.73	8.66	2.81	8.37	2.89	8.07	2.97	7.90	3.00
	15.0	10.0	8.94	2.26	8.66	2.32	8.37	2.39	8.08	2.46	7.90	2.50
	20.0	15.0	8.62	1.90	8.35	1.95	8.07	2.01	7.78	2.06	7.61	2.10
	23.9	18.3	7.90	1.78	7.65	1.83	7.39	1.89	7.14	1.94	6.98	1.97

● Indoor units: 12,000 Btu + 14,000 Btu

			Indoor temperature									
		°FDB	60		65		70		75		78	
Outdoor temperature	°FDB	°FWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
	5	3	17.49	2.46	16.94	2.53	16.37	2.60	15.79	2.68	15.44	2.72
	14	12	20.57	2.57	19.92	2.64	19.25	2.72	18.57	2.79	18.17	2.84
	23	19	23.32	2.63	22.58	2.70	21.82	2.78	21.05	2.86	20.59	2.91
	32	28	26.45	2.63	25.61	2.71	24.74	2.79	23.88	2.87	23.35	2.91
	41	37	29.51	2.64	28.58	2.71	27.61	2.79	26.65	2.87	26.06	2.92
	47	43	31.47	2.77	30.48	2.85	29.45	2.93	28.42	3.00	27.79	3.00
	50	47	32.56	2.30	31.53	2.37	30.47	2.44	29.40	2.51	28.75	2.55
	59	50	32.47	2.19	31.44	2.26	30.38	2.32	29.32	2.39	28.67	2.43
	68	59	31.43	1.84	30.44	1.90	29.41	1.95	28.38	2.01	27.76	2.04
	75	65	30.88	1.90	29.91	1.95	28.90	2.01	27.88	2.06	27.27	2.10

			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	
	-15.0	-16.1	5.13	2.46	4.96	2.53	4.80	2.60	4.63	2.68	4.53	2.72
	-10.0	-11.1	6.03	2.57	5.84	2.64	5.64	2.72	5.44	2.79	5.32	2.84
	-5.0	-7.2	6.83	2.63	6.62	2.70	6.39	2.78	6.17	2.86	6.03	2.91
	0.0	-2.2	7.75	2.63	7.51	2.71	7.25	2.79	7.00	2.87	6.84	2.91
	5.0	2.8	8.65	2.64	8.38	2.71	8.09	2.79	7.81	2.87	7.64	2.92
	8.3	6.1	9.22	2.77	8.93	2.85	8.63	2.93	8.33	3.00	8.15	3.00
	10.0	8.3	9.54	2.30	9.24	2.37	8.93	2.44	8.62	2.51	8.43	2.55
	15.0	10.0	9.52	2.19	9.22	2.26	8.90	2.32	8.59	2.39	8.40	2.43
	20.0	15.0	9.21	1.84	8.92	1.90	8.62	1.95	8.32	2.01	8.14	2.04
	23.9	18.3	9.05	1.90	8.77	1.95	8.47	2.01	8.17	2.06	7.99	2.10

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

			Indoor temperature									
		°FDB	60		65		70		75		78	
Outdoor temperature	°FDB	°FWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
	5	3	16.48	2.40	15.96	2.46	15.42	2.54	14.88	2.61	14.55	2.65
	14	12	19.17	2.50	18.57	2.57	17.94	2.65	17.31	2.72	16.93	2.77
	23	19	21.72	2.61	21.03	2.68	20.32	2.76	19.61	2.84	19.18	2.88
	32	28	24.86	2.78	24.08	2.86	23.26	2.94	22.45	3.00	21.96	3.00
	41	37	28.16	2.66	27.27	2.73	26.35	2.81	25.43	2.89	24.87	2.94
	47	43	30.03	2.68	29.08	2.76	28.10	2.84	27.12	2.92	26.52	2.97
	50	47	31.15	2.71	30.17	2.79	29.15	2.87	28.13	2.95	27.51	3.00
	59	50	32.65	2.71	31.62	2.79	30.55	2.87	29.48	2.95	28.83	3.00
	68	59	29.96	2.10	29.01	2.16	28.03	2.22	27.05	2.28	26.45	2.32
	75	65	27.94	1.64	27.05	1.69	26.14	1.74	25.22	1.78	24.67	1.81

			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	
	-15.0	-16.1	4.83	2.40	4.68	2.46	4.52	2.54	4.36	2.61	4.26	2.65
	-10.0	-11.1	5.62	2.50	5.44	2.57	5.26	2.65	5.07	2.72	4.96	2.77
	-5.0	-7.2	6.37	2.61	6.16	2.68	5.96	2.76	5.75	2.84	5.62	2.88
	0.0	-2.2	7.29	2.78	7.06	2.86	6.82	2.94	6.58	3.00	6.43	3.00
	5.0	2.8	8.25	2.66	7.99	2.73	7.72	2.81	7.45	2.89	7.29	2.94
	8.3	6.1	8.80	2.68	8.52	2.76	8.24	2.84	7.95	2.92	7.77	2.97
	10.0	8.3	9.13	2.71	8.84	2.79	8.54	2.87	8.24	2.95	8.06	3.00
	15.0	10.0	9.57	2.71	9.27	2.79	8.95	2.87	8.64	2.95	8.45	3.00
	20.0	15.0	8.78	2.10	8.50	2.16	8.21	2.22	7.93	2.28	7.75	2.32
	23.9	18.3	8.19	1.64	7.93	1.69	7.66	1.74	7.39	1.78	7.23	1.81

● 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	5	3	17.47	2.33	16.92	2.40	16.35	2.47	15.78	2.54	15.43	2.58
	14	12	20.33	2.45	19.69	2.52	19.02	2.59	18.36	2.67	17.95	2.71
	23	19	23.03	2.54	22.30	2.61	21.55	2.69	20.80	2.76	20.34	2.81
	32	28	26.37	2.71	25.54	2.79	24.67	2.87	23.81	2.95	23.28	3.00
	41	37	29.86	2.71	28.92	2.79	27.94	2.87	26.96	2.95	26.37	3.00
	47	43	31.85	2.77	30.84	2.85	29.80	2.93	28.76	3.00	28.12	3.00
	50	47	33.04	2.71	32.00	2.79	30.91	2.87	29.83	2.95	29.17	3.00
	59	50	34.63	2.67	33.53	2.75	32.40	2.83	31.27	2.91	30.58	2.96
	68	59	31.77	2.03	30.77	2.09	29.72	2.15	28.68	2.21	28.05	2.24
	75	65	29.61	1.70	28.68	1.75	27.71	1.80	26.74	1.85	26.15	1.88

			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	-15.0	-16.1	5.12	2.33	4.96	2.40	4.79	2.47	4.62	2.54	4.52	2.58
	-10.0	-11.1	5.96	2.45	5.77	2.52	5.58	2.59	5.38	2.67	5.26	2.71
	-5.0	-7.2	6.75	2.54	6.54	2.61	6.32	2.69	6.10	2.76	5.96	2.81
	0.0	-2.2	7.73	2.71	7.48	2.79	7.23	2.87	6.98	2.95	6.82	3.00
	5.0	2.8	8.75	2.71	8.48	2.79	8.19	2.87	7.90	2.95	7.73	3.00
	8.3	6.1	9.33	2.77	9.04	2.85	8.73	2.93	8.43	3.00	8.24	3.00
	10.0	8.3	9.68	2.71	9.38	2.79	9.06	2.87	8.74	2.95	8.55	3.00
	15.0	10.0	10.15	2.67	9.83	2.75	9.50	2.83	9.16	2.91	8.96	2.96
	20.0	15.0	9.31	2.03	9.02	2.09	8.71	2.15	8.41	2.21	8.22	2.24
	23.9	18.3	8.68	1.70	8.40	1.75	8.12	1.80	7.84	1.85	7.66	1.88

● 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	5	3	17.59	2.28	17.03	2.34	16.46	2.41	15.88	2.48	15.53	2.52
	14	12	20.47	2.39	19.82	2.46	19.15	2.53	18.48	2.60	18.07	2.65
	23	19	23.19	2.48	22.45	2.55	21.70	2.63	20.94	2.70	20.47	2.74
	32	28	26.54	2.68	25.71	2.76	24.84	2.84	23.97	2.92	23.44	2.97
	41	37	30.06	2.68	29.11	2.76	28.13	2.84	27.14	2.92	26.55	2.97
	47	43	32.06	2.70	31.05	2.78	30.00	2.86	28.95	2.94	28.31	2.99
	50	47	33.26	2.68	32.21	2.76	31.12	2.84	30.03	2.92	29.37	2.97
	59	50	34.86	2.60	33.76	2.67	32.62	2.75	31.48	2.82	30.78	2.87
	68	59	31.98	1.98	30.97	2.04	29.92	2.10	28.88	2.15	28.24	2.19
	75	65	32.45	1.77	31.43	1.82	30.36	1.87	29.30	1.93	28.66	1.96

			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	-15.0	-16.1	5.16	2.28	4.99	2.34	4.82	2.41	4.65	2.48	4.55	2.52
	-10.0	-11.1	6.00	2.39	5.81	2.46	5.61	2.53	5.42	2.60	5.30	2.65
	-5.0	-7.2	6.80	2.48	6.58	2.55	6.36	2.63	6.14	2.70	6.00	2.74
	0.0	-2.2	7.78	2.68	7.53	2.76	7.28	2.84	7.02	2.92	6.87	2.97
	5.0	2.8	8.81	2.68	8.53	2.76	8.24	2.84	7.96	2.92	7.78	2.97
	8.3	6.1	9.40	2.70	9.10	2.78	8.79	2.86	8.48	2.94	8.30	2.99
	10.0	8.3	9.75	2.68	9.44	2.76	9.12	2.84	8.80	2.92	8.61	2.97
	15.0	10.0	10.22	2.60	9.89	2.67	9.56	2.75	9.23	2.82	9.02	2.87
	20.0	15.0	9.37	1.98	9.08	2.04	8.77	2.10	8.46	2.15	8.28	2.19
	23.9	18.3	9.51	1.77	9.21	1.82	8.90	1.87	8.59	1.93	8.40	1.96

● 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
	5	3	17.59	2.33	17.03	2.40	16.46	2.47	15.88	2.54	15.53	2.58
	14	12	20.47	2.45	19.82	2.52	19.15	2.59	18.48	2.67	18.07	2.71
	23	19	23.19	2.54	22.45	2.61	21.70	2.69	20.94	2.76	20.47	2.81
	32	28	26.54	2.71	25.71	2.79	24.84	2.87	23.97	2.95	23.44	3.00
	41	37	30.06	2.71	29.11	2.79	28.13	2.87	27.14	2.95	26.55	3.00
	47	43	32.06	2.77	31.05	2.85	30.00	2.93	28.95	3.00	28.31	3.00
	50	47	33.26	2.71	32.21	2.79	31.12	2.87	30.03	2.95	29.37	3.00
	59	50	34.86	2.67	33.76	2.75	32.62	2.83	31.48	2.91	30.78	2.96
	68	59	31.98	2.03	30.97	2.09	29.92	2.15	28.88	2.21	28.24	2.24
	75	65	32.09	1.77	31.08	1.82	30.03	1.87	28.98	1.92	28.34	1.96

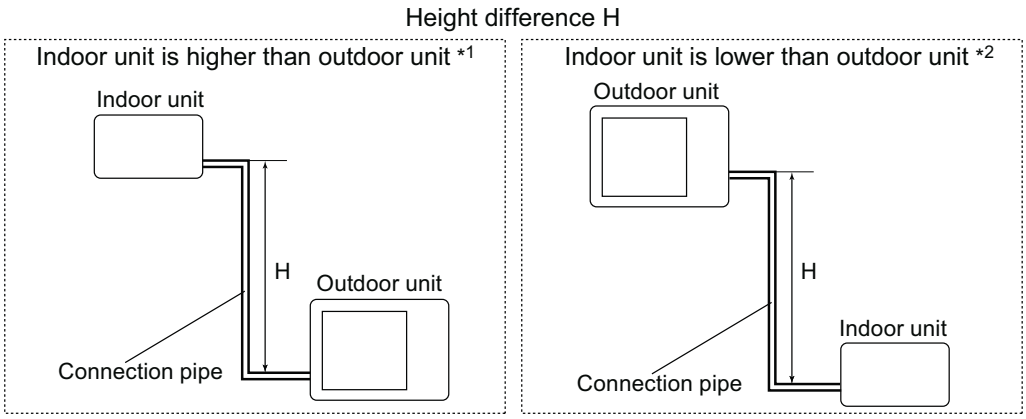
			Indoor temperature									
		°CDB	15.6		18.3		21.2		23.9		25.6	
Outdoor temperature	°CDB	°CWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kW		kW		kW		kW		kW	
	-15.0	-16.1	5.16	2.33	4.99	2.40	4.82	2.47	4.65	2.54	4.55	2.58
	-10.0	-11.1	6.00	2.45	5.81	2.52	5.61	2.59	5.42	2.67	5.30	2.71
	-5.0	-7.2	6.80	2.54	6.58	2.61	6.36	2.69	6.14	2.76	6.00	2.81
	0.0	-2.2	7.78	2.71	7.53	2.79	7.28	2.87	7.02	2.95	6.87	3.00
	5.0	2.8	8.81	2.71	8.53	2.79	8.24	2.87	7.96	2.95	7.78	3.00
	8.3	6.1	9.40	2.77	9.10	2.85	8.79	2.93	8.48	3.00	8.30	3.00
	10.0	8.3	9.75	2.71	9.44	2.79	9.12	2.87	8.80	2.95	8.61	3.00
	15.0	10.0	10.22	2.67	9.89	2.75	9.56	2.83	9.23	2.91	9.02	2.96
	20.0	15.0	9.37	2.03	9.08	2.09	8.77	2.15	8.46	2.21	8.28	2.24
	23.9	18.3	9.41	1.77	9.11	1.82	8.80	1.87	8.49	1.92	8.31	1.96

● 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
	5	3	17.59	2.33	17.03	2.40	16.46	2.47	15.88	2.54	15.53	2.58
	14	12	20.47	2.45	19.82	2.52	19.15	2.59	18.48	2.67	18.07	2.71
	23	19	23.19	2.54	22.45	2.61	21.70	2.69	20.94	2.76	20.47	2.81
	32	28	26.54	2.71	25.71	2.79	24.84	2.87	23.97	2.95	23.44	3.00
	41	37	30.06	2.71	29.11	2.79	28.13	2.87	27.14	2.95	26.55	3.00
	47	43	32.06	2.77	31.05	2.85	30.00	2.93	28.95	3.00	28.31	3.00
	50	47	33.26	2.71	32.21	2.79	31.12	2.87	30.03	2.95	29.37	3.00
	59	50	34.86	2.67	33.76	2.75	32.62	2.83	31.48	2.91	30.78	2.96
	68	59	31.98	2.03	30.97	2.09	29.92	2.15	28.88	2.21	28.24	2.24
	75	65	32.09	1.78	31.07	1.83	30.02	1.88	28.97	1.93	28.33	1.96

			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	
	-15.0	-16.1	5.16	2.33	4.99	2.40	4.82	2.47	4.65	2.54	4.55	2.58
	-10.0	-11.1	6.00	2.45	5.81	2.52	5.61	2.59	5.42	2.67	5.30	2.71
	-5.0	-7.2	6.80	2.54	6.58	2.61	6.36	2.69	6.14	2.76	6.00	2.81
	0.0	-2.2	7.78	2.71	7.53	2.79	7.28	2.87	7.02	2.95	6.87	3.00
	5.0	2.8	8.81	2.71	8.53	2.79	8.24	2.87	7.96	2.95	7.78	3.00
	8.3	6.1	9.40	2.77	9.10	2.85	8.79	2.93	8.48	3.00	8.30	3.00
	10.0	8.3	9.75	2.71	9.44	2.79	9.12	2.87	8.80	2.95	8.61	3.00
	15.0	10.0	10.22	2.67	9.89	2.75	9.56	2.83	9.23	2.91	9.02	2.96
	20.0	15.0	9.37	2.03	9.08	2.09	8.77	2.15	8.46	2.21	8.28	2.24
	23.9	18.3	9.40	1.78	9.11	1.83	8.80	1.88	8.49	1.93	8.30	1.96

7. Capacity compensation rate for pipe length and height difference



7-1. Model: ROMH24AFXZJ

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 (m)	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 (m)	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 (m)	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 (m)	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 (m)	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 (m)	Indoor unit is higher than outdoor unit *1	15	49	-	-	-	0.975	0.957	0.940
		10	33	-	-	0.990	0.975	0.957	0.940
		7.5	25	-	1.000	0.990	0.975	0.957	0.940
		5	16	0.995	1.000	0.990	0.975	0.957	0.940
		0	0	0.995	1.000	0.990	0.975	0.957	0.940
	Indoor unit is lower than outdoor unit *2	-5	-16	0.990	0.995	0.985	0.970	0.952	0.936
		-7.5	-25	-	0.993	0.983	0.968	0.950	0.934
		-10	-33	-	-	0.980	0.965	0.947	0.931
		-15	-49	-	-	-	0.960	0.943	0.926

■ Indoor unit: 14,000 Btu

COOLING		Pipe length							
			m	5	7.5	10	15	20	25
		m	ft	16	25	33	49	66	82
Height difference H (m)	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 (m)	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 (m)	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 (m)	Indoor unit is higher than outdoor unit *1	15	49	-	-	-	0.964	0.939	0.913
		10	33	-	-	0.988	0.964	0.939	0.913
		7.5	25	-	1.000	0.988	0.964	0.939	0.913
		5	16	1.008	1.000	0.988	0.964	0.939	0.913
		0	0	1.008	1.000	0.988	0.964	0.939	0.913
	Indoor unit is lower than outdoor unit *2	-5	-16	1.003	0.995	0.983	0.959	0.934	0.908
		-7.5	-25	-	0.993	0.981	0.957	0.932	0.907
		-10	-33	-	-	0.978	0.954	0.930	0.904
		-15	-49	-	-	-	0.950	0.925	0.899

8. Additional charge calculation

8-1. Model: ROMH24AFXZJ

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

9. Airflow

9-1. Model: ROMH24AFXZJ

● Cooling

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

● Heating

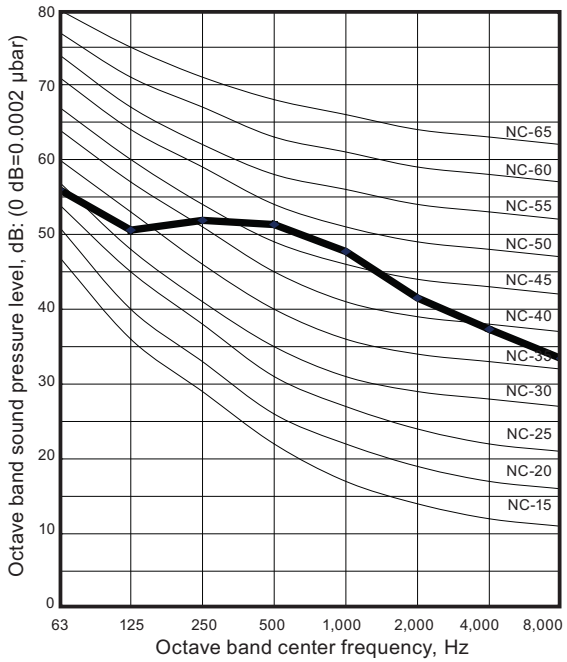
m^3/h	3,300
l/s	917
CFM	1,942

10. Operation noise (sound pressure)

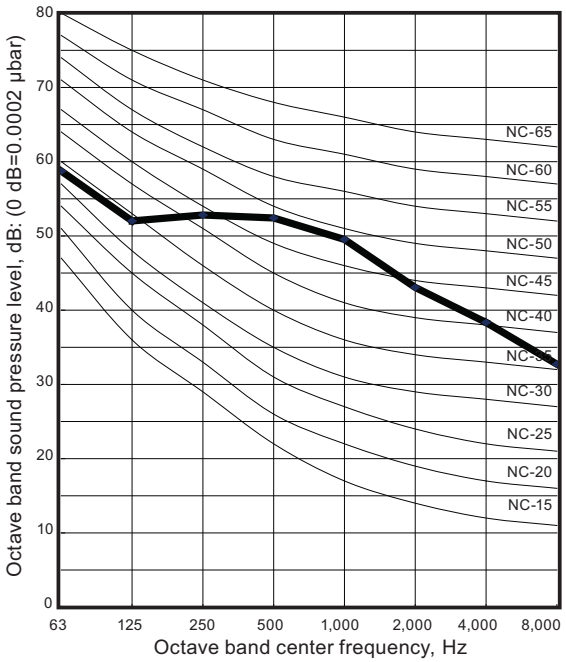
10-1. Noise level curve

■ Model: ROMH24AFXZJ

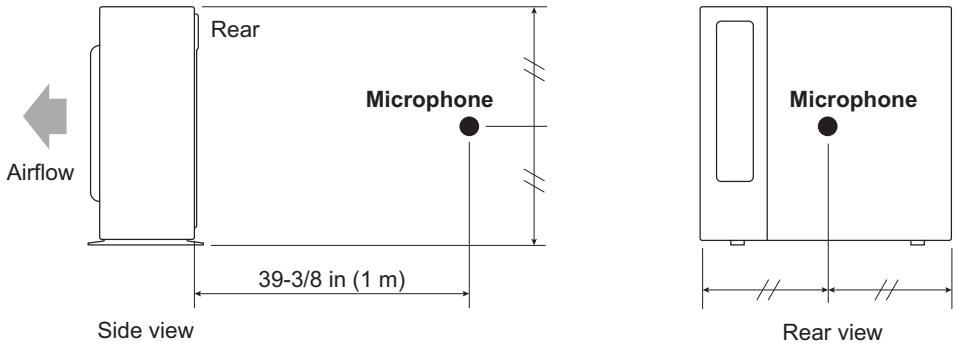
● Cooling



● Heating



10-2. Sound level check point



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

11. Electrical characteristics

Model name			ROMH24AFXZJ
Power supply	Voltage	V	208/230 ~
	Frequency	Hz	60
MCA *1		A	17
Starting current		A	9.0
Wiring spec. *2	MAX. CKT. BKR *3	A	20
	Power cable	AWG	12

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

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

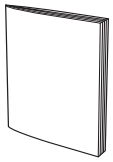
*3: Maximum Circuit Breaker

12. Safety devices

Type of protection	Protection form		Model
			ROMH24AFXZJ
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	302 ±27 °F (150 ±15 °C) Fan motor stop
		Reset	248 ±27 °F (120 ±15 °C) Fan motor restart
Compressor protection	Temperature thermistor	Activate	230 ±4 °F (110 ±2 °C) Compressor stop
		Reset	176 ±4 °F (80 ±2 °C) Compressor restart
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.)

13. Accessories

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

14. Installation precautions

14-1. Outdoor unit installation precautions

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

■ Place where use prohibited 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.

■ 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 on “Installation space” on page 217.
- 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:
ROMH36AFXZJ

1. Specifications

1-1. Model: ROMH36AFXZJ

Type					Inverter heat pump		
Model name					ROMH36AFXZJ		
Power source					1Ø 208/230 V 60 Hz		
Available voltage range					187—264V		
Connectable indoor unit			Number		2* to 4		
			Total capacity range		27,000 to 39,000 Btu/h		
Combination of indoor unit					Non-duct RIWH9AVFJ × 4	Duct RIDH9AVFJ × 4	Mix
Capacity		Cooling	Rated	Btu/h	35,200		
				kW	10.3		
			Min.—Max.	Btu/h	11,000—38,000		
				kW	3.2—11.1		
		Heating	Rated	Btu/h	36,400		
				kW	10.68		
			Min.—Max.	Btu/h	11,000—42,000		
				kW	3.2—12.3		
Input power		Cooling	Rated	kW	3.52	3.92	3.71
			Max.		4.10	4.38	4.24
		Heating	Rated		3.00	3.22	3.11
			Max.		3.70	3.85	3.78
Current		Cooling	Rated	A	15.4	17.1	15.9
		Heating			13.1	15.1	14.1
EER		Cooling	Rated	Btu/W	10.0	9.0	9.5
SEER *1		Cooling		-	18.0	16.0	17.0
COP		Heating	Rated	W/W	3.56	3.32	3.44
HSPF *1		Heating		-	9.4	8.7	9.1
Starting current				A	17.1		
Maximum operating current *2				A	20.3		
Fan	Type × Q'ty				Propeller × 1		
	Airflow rate	Cooling		CFM (m^3/h)	2,119 (3,600)		
		Heating			2,237 (3,800)		
	Motor	Type × Quantity			DC motor × 1		
		Output		W	100		
Sound pressure level		Cooling	Rated	dB (A)	53		
		Heating			55		
Heat exchanger		Dimension (H × W × D)		in (mm)	31-13/32 × 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	1,300		
Refrigerant		Type			R410A		
		Charge		lb (g)	7 lb 1 oz (3,200)		
Refrigerant oil		Type			RB68		
		Amount		in^3 (cm^3)	48.8 (800)		
Enclosure		Material			Painted galvanized steel		
		Color			Beige (Approximate color of MUNSELL 10YR 7.5/1.0NN)		
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)	149 (68)		
	Gross				168 (76)		
Connection pipe	Size	Liquid		in (mm)	Ø1/4 (Ø6.35) × 4		
		Gas			Ø3/8 (Ø9.52) × 3 + Ø1/2 (Ø12.7) × 1		
	Method				Flare		
	Pre-charge length (Total)			ft (m)	164 (50)**		
	Max. length (Total)				230 (70)		
	Max. length (Each)				82 (25)		
	Min. length (Total)				66 (20)		
	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)		

Type			Inverter heat pump
Model name			**ROMH36AFXZJ**
Operation range	Cooling	°F (°C)	14 to 115 (-10 to 46)
	Heating		5 to 75 (-15 to 24)

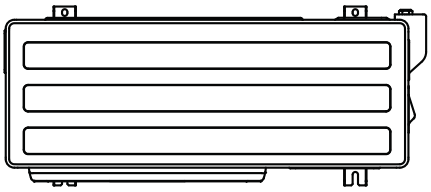
NOTES:

- 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: The maximum current is the maximum value when the operated within the operation range.
- *, **: When ROMH36AFXZJ is paired with two 18,000-Btu indoor units, you have to purchase optional part RXK9FZ1818kit. (Its pre-charge length is 66 ft (20 m).
- For other combination, refer to the combination table.
- The protective function might work when using it outside the operation range.

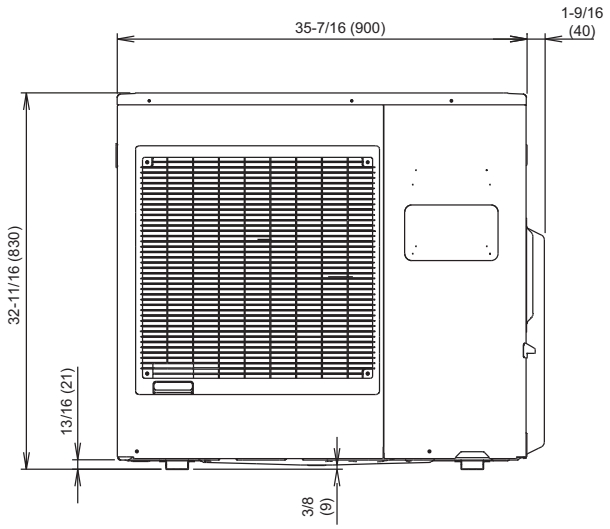
2. Dimensions

2-1. Model: ROMH36AFXZJ

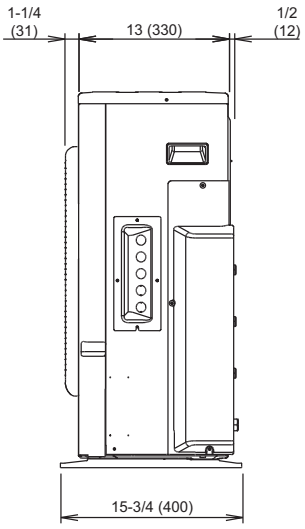
Unit: in (mm)



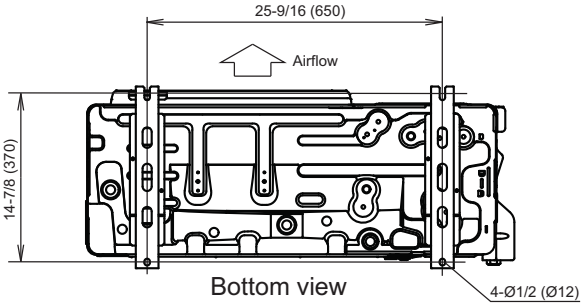
Top view



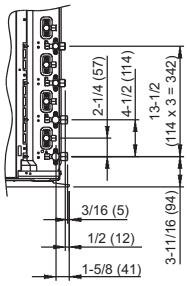
Front view



Side view



Bottom view



3. Installation space

3-1. Model: ROMH36AFXZJ

■ Space requirement

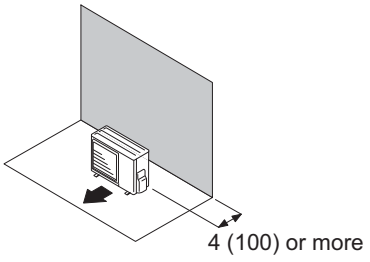
Provide sufficient installation space for product safety.

● Single outdoor unit installation

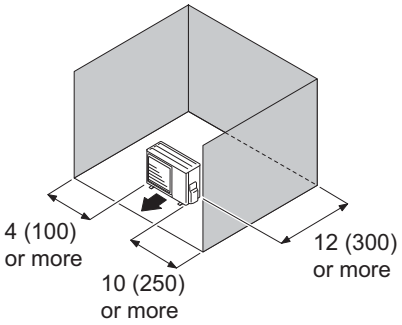
- **When the upper space is open:**

Unit: in (mm)

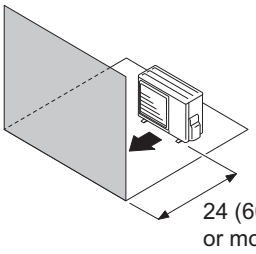
When there are obstacles at the rear only.



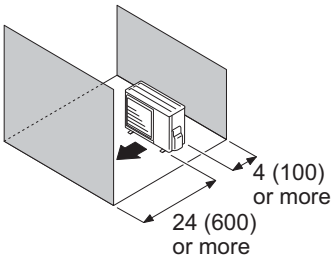
When there are obstacles at the rear and sides.



When there are obstacles at the front only.



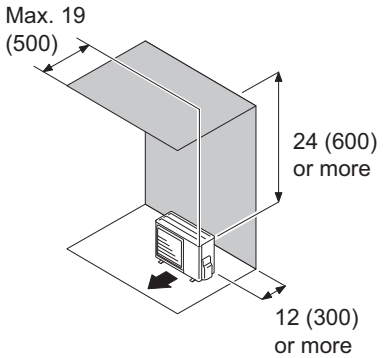
When there are obstacles at the front and rear.



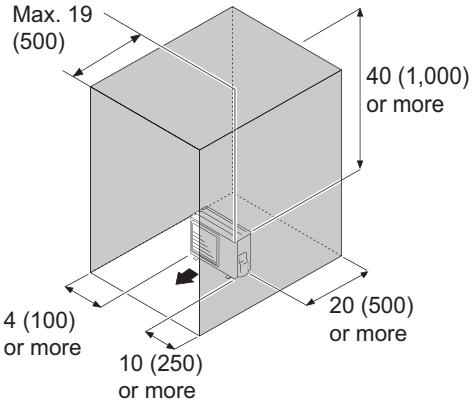
- **When there is an obstruction in the upper space:**

Unit: in (mm)

When there are obstacles at the rear and above.



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

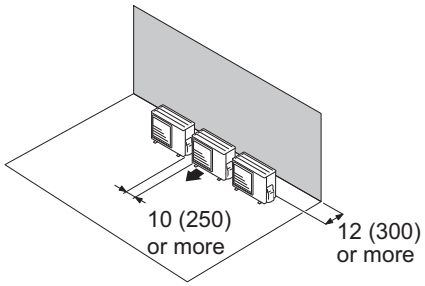


● Multiple outdoor unit installation

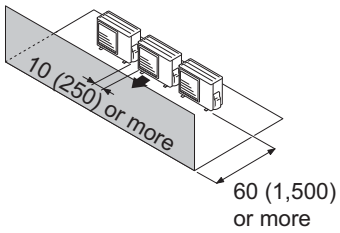
- **When the upper space is open:**

Unit: in (mm)

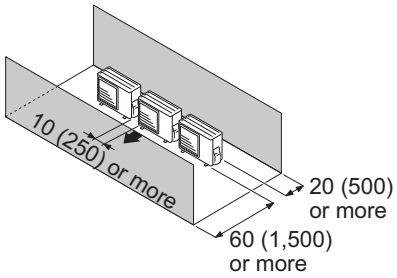
When there are obstacles at the rear only.



When there are obstacles at the front only.



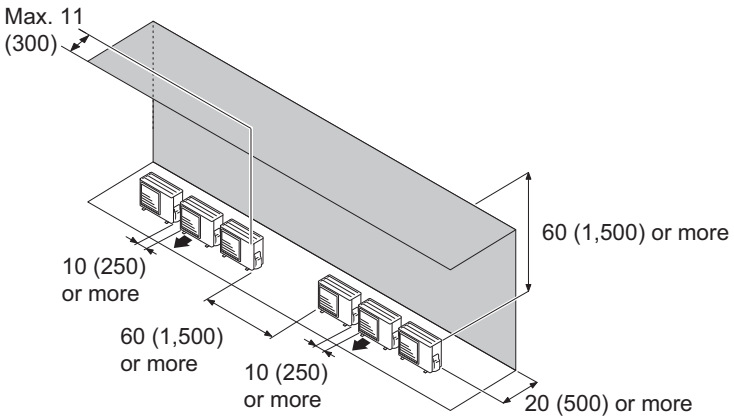
When there are obstacles at the front and rear.



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

Unit: in (mm)

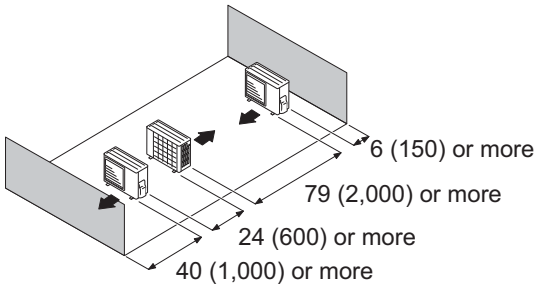
When there are obstacles at the rear and above.



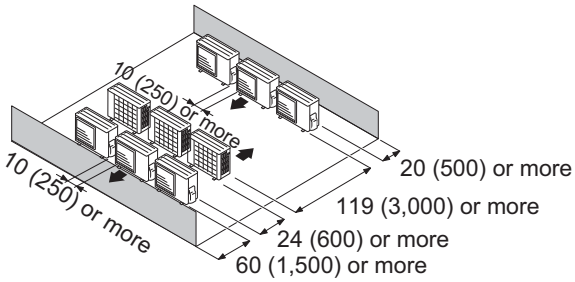
● Outdoor unit installation in multi-row

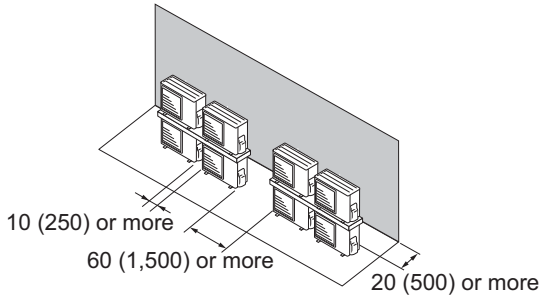
Unit: in (mm)

Single parallel unit arrangement



Multiple parallel unit arrangement



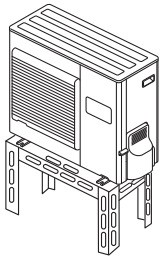


NOTES:

- 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.

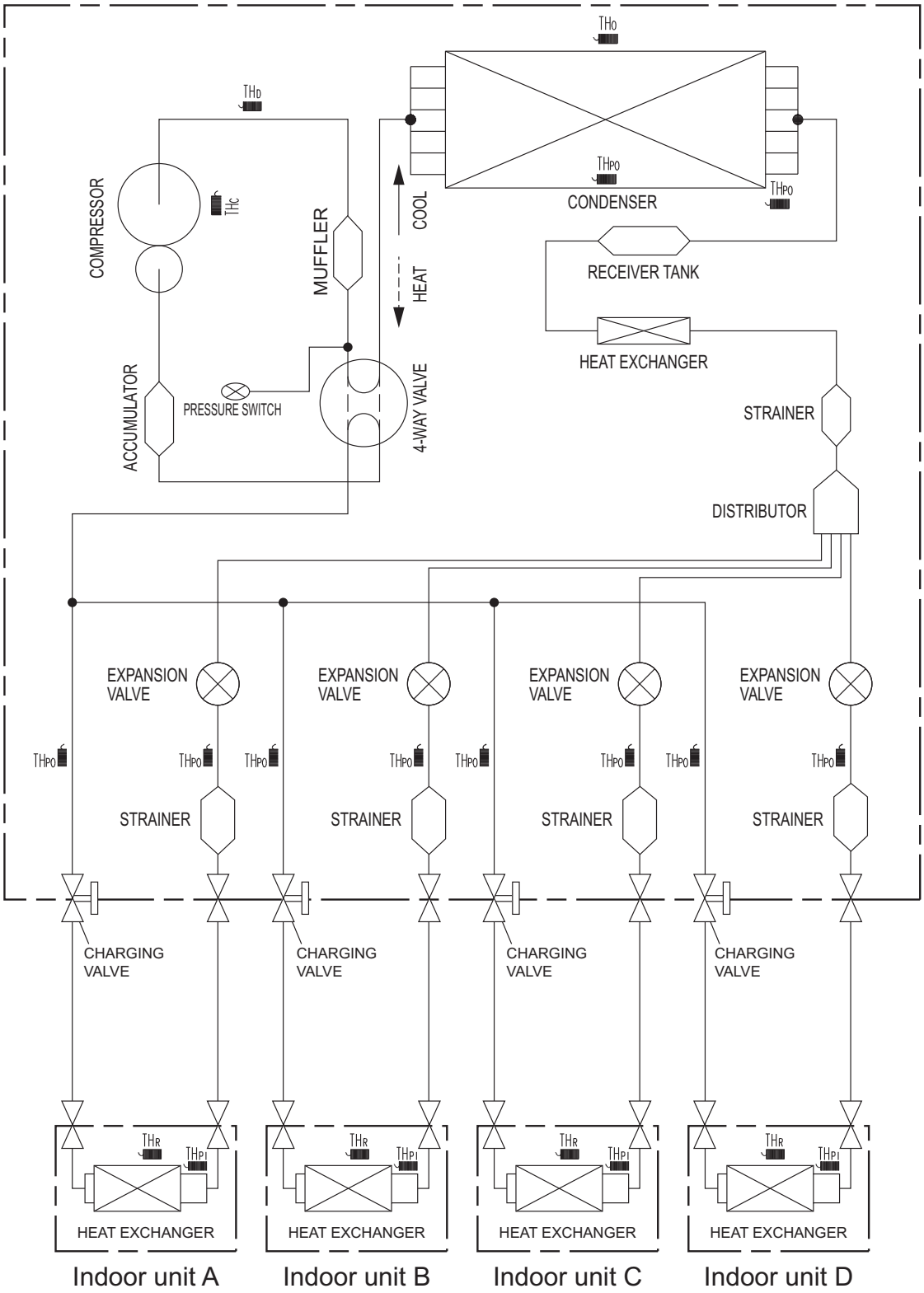
⚠CAUTION

- 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

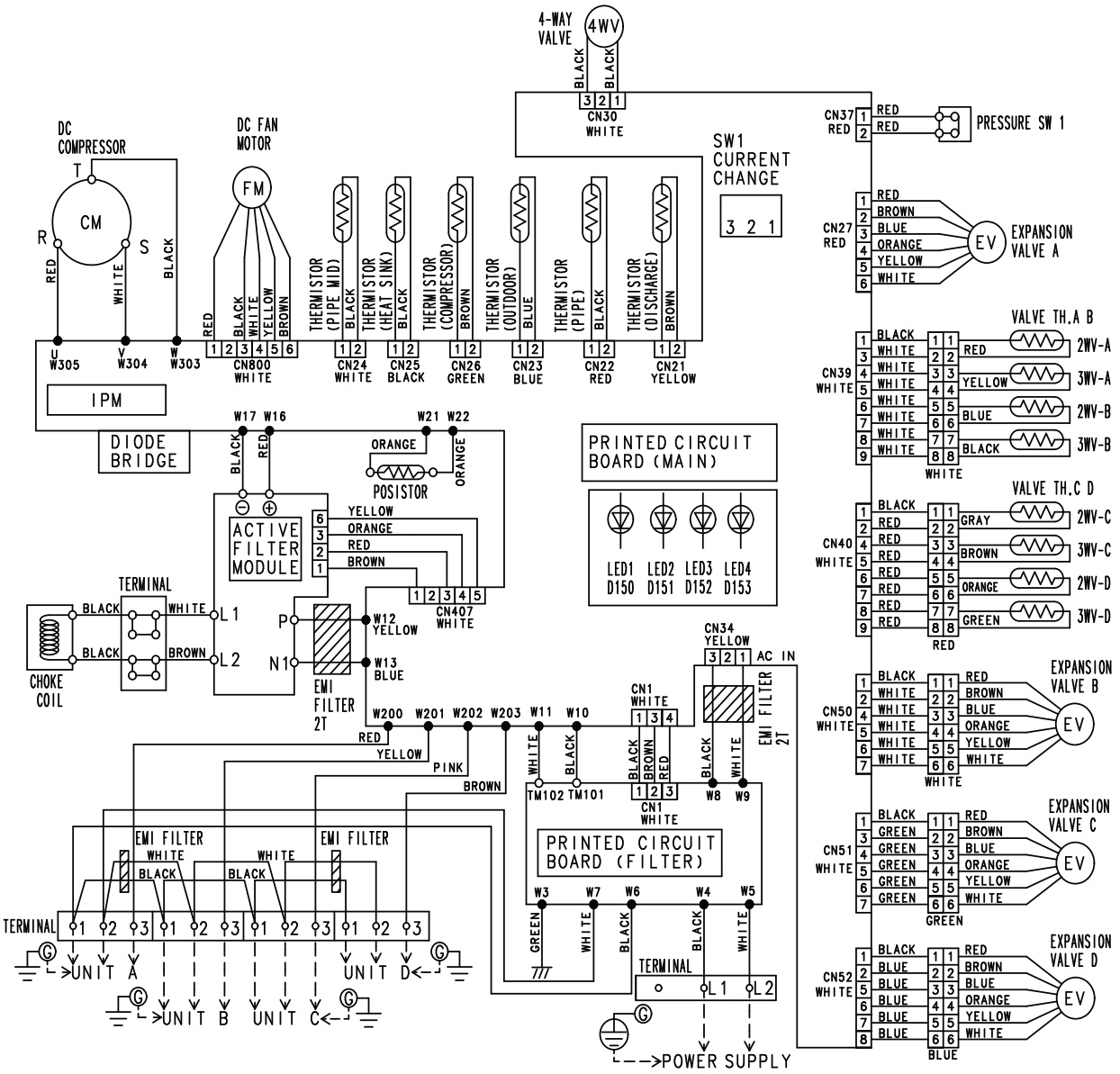
4-1. Model: ROMH36AFXZJ



THD : THERMISTOR (DISCHARGE TEMP.)
THO : THERMISTOR (OUTDOOR TEMP.)
THPO : THERMISTOR (PIPE TEMP.)
THC : THERMISTOR (COMPRESSER TEMP.)
THR : THERMISTOR (ROOM TEMP.)
THPI : THERMISTOR (PIPE TEMP.)

5. Wiring diagram

5-1. Model: ROMH36AFXZJ



6. Capacity table

6-1. Combinations

■ Model: ROMH36AFXZJ

● 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	Room 4	Total	Room 1	Room 2	Room 3	Room 4	Room 1	Room 2	Room 3	Room 4	Min.	Rated	Max.	Min.	Rated	Max.
18	18	-	-	36*1	16.70	16.70	-	-	18.00	18.00	-	-	11.00	33.40	36.00	0.92	3.51	4.08
7	7	15	-	29	7.00	7.00	15.00	-	8.00	8.00	16.70	-	11.00	29.00	32.70	0.98	3.02	3.70
7	7	18	-	32	7.00	7.00	18.00	-	7.90	7.90	19.60	-	11.00	32.00	35.40	0.98	3.36	4.01
7	7	24	-	38	6.50	6.50	22.20	-	6.80	6.80	23.40	-	11.00	35.20	37.00	0.98	3.70	4.19
7	9	12	-	28	7.00	9.00	12.00	-	8.00	10.20	13.50	-	11.00	28.00	31.70	0.98	2.95	3.60
7	9	15	-	31	7.00	9.00	15.00	-	8.00	10.20	16.70	-	11.00	31.00	34.90	0.98	3.26	3.95
7	9	18	-	34	6.90	8.80	17.80	-	7.50	9.80	19.10	-	11.00	33.50	36.40	0.98	3.52	4.12
7	12	12	-	31	7.00	12.00	12.00	-	8.00	13.50	13.50	-	11.00	31.00	35.00	0.98	3.26	3.97
7	12	15	-	34	6.90	11.80	14.80	-	7.40	12.60	16.00	-	11.00	33.50	36.00	0.98	3.52	4.08
7	12	18	-	37	6.70	11.40	17.10	-	7.00	12.00	18.00	-	11.00	35.20	37.00	0.98	3.70	4.19
9	9	9	-	27	9.00	9.00	9.00	-	10.20	10.20	10.20	-	11.00	27.00	30.60	0.98	2.84	3.47
9	9	12	-	30	9.00	9.00	12.00	-	10.20	10.20	13.50	-	11.00	30.00	33.90	0.98	3.15	3.84
9	9	15	-	33	8.80	8.80	14.80	-	9.90	9.90	16.30	-	11.00	32.40	36.10	0.98	3.40	4.09
9	9	18	-	36	8.80	8.80	17.60	-	9.20	9.20	18.60	-	11.00	35.20	37.00	0.98	3.70	4.19
9	12	12	-	33	8.80	11.80	11.80	-	9.90	13.10	13.10	-	11.00	32.40	36.10	0.98	3.40	4.09
9	12	15	-	36	8.90	11.70	14.60	-	9.30	12.30	15.40	-	11.00	35.20	37.00	0.98	3.70	4.19
9	12	18	-	39	8.20	10.80	16.20	-	8.50	11.40	17.10	-	11.00	35.20	37.00	0.98	3.70	4.19
12	12	12	-	36	11.70	11.70	11.80	-	12.30	12.30	12.30	-	11.00	35.20	36.90	0.98	3.70	4.18
12	12	15	-	39	10.80	10.80	13.60	-	11.40	11.40	14.20	-	11.00	35.20	37.00	0.98	3.70	4.19
7	7	7	7	28	7.00	7.00	7.00	7.00	8.00	8.00	8.00	8.00	11.00	28.00	32.00	1.17	2.80	3.41
7	7	7	9	30	7.00	7.00	7.00	9.00	8.00	8.00	8.00	10.20	11.00	30.00	34.20	1.17	3.00	3.65
7	7	7	12	33	6.90	6.90	6.90	11.80	7.70	7.70	7.70	13.00	11.00	32.50	36.10	1.17	3.25	3.90
7	7	7	15	36	6.90	6.90	6.90	14.50	7.50	7.50	7.50	15.50	11.00	35.20	38.00	1.17	3.52	4.10
7	7	7	18*2	39	6.30	6.30	6.30	16.30	6.80	6.80	6.80	17.60	11.00	35.20	38.00	1.17	3.52	4.10
7	7	9	9	32	7.00	7.00	9.00	9.00	7.80	7.80	10.00	10.00	11.00	32.00	35.60	1.17	3.20	3.78
7	7	9	12	35	6.90	6.90	8.90	11.80	7.50	7.50	9.70	12.90	11.00	34.50	37.60	1.17	3.45	4.06
7	7	9	15	38	6.50	6.50	8.40	13.80	7.00	7.00	9.00	15.00	11.00	35.20	38.00	1.17	3.52	4.10
7	7	12	12	38	6.50	6.50	11.10	11.10	7.00	7.00	12.00	12.00	11.00	35.20	38.00	1.17	3.52	4.10
7	9	9	9	34	6.90	8.90	8.90	8.90	7.70	9.90	9.90	9.90	11.00	33.60	37.40	1.17	3.36	4.04
7	9	9	12	37	6.70	8.60	8.60	11.30	7.20	9.20	9.20	12.40	11.00	35.20	38.00	1.17	3.52	4.10
9	9	9	9	36	8.80	8.80	8.80	8.80	9.50	9.50	9.50	9.50	11.00	35.20	38.00	1.17	3.52	4.10

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	Room 4	Total	Room 1	Room 2	Room 3	Room 4	Room 1	Room 2	Room 3	Room 4	Min.	Rated	Max.	Min.	Rated	Max.
18	18	-	-	36*1	16.70	16.70	-	-	18.00	18.00	-	-	11.00	33.40	36.00	0.94	3.89	4.36
7	7	18	-	32	7.00	7.00	18.00	-	7.90	7.90	19.60	-	11.00	32.00	35.40	0.98	3.72	4.28
7	7	24	-	38	6.50	6.50	22.20	-	6.80	6.80	23.40	-	11.00	35.20	37.00	0.98	4.10	4.48
7	9	12	-	28	7.00	9.00	12.00	-	8.00	10.20	13.50	-	11.00	28.00	31.70	0.98	3.27	3.85
7	9	18	-	34	6.90	8.80	17.80	-	7.50	9.80	19.10	-	11.00	33.50	36.40	0.98	3.90	4.41
7	12	12	-	31	7.00	12.00	12.00	-	8.00	13.50	13.50	-	11.00	31.00	35.00	0.98	3.61	4.24
7	12	18	-	37	6.70	11.40	17.10	-	7.00	12.00	18.00	-	11.00	35.20	37.00	0.98	4.10	4.48
9	9	9	-	27	9.00	9.00	9.00	-	10.20	10.20	10.20	-	11.00	27.00	30.60	0.98	3.14	3.70
9	9	12	-	30	9.00	9.00	12.00	-	10.20	10.20	13.50	-	11.00	30.00	33.90	0.98	3.49	4.10
9	9	18	-	36	8.80	8.80	17.60	-	9.20	9.20	18.60	-	11.00	35.20	37.00	0.98	4.10	4.48
9	12	12	-	33	8.80	11.80	11.80	-	9.90	13.10	13.10	-	11.00	32.40	36.10	0.98	3.77	4.37
9	12	18	-	39	8.20	10.80	16.20	-	8.50	11.40	17.10	-	11.00	35.20	37.00	0.98	4.10	4.48
12	12	12	-	36	11.70	11.70	11.80	-	12.30	12.30	12.30	-	11.00	35.20	36.90	0.98	4.10	4.47
7	7	7	7	28	7.00	7.00	7.00	7.00	8.00	8.00	8.00	8.00	11.00	28.00	32.00	1.17	3.10	3.64
7	7	7	9	30	7.00	7.00	7.00	9.00	8.00	8.00	8.00	10.20	11.00	30.00	34.20	1.17	3.32	3.90
7	7	7	12	33	6.90	6.90	6.90	11.80	7.70	7.70	7.70	13.00	11.00	32.50	36.10	1.17	3.60	4.16
7	7	7	18	39	6.30	6.30	6.30	16.30	6.80	6.80	6.80	17.60	11.00	35.20	38.00	1.17	3.90	4.38
7	7	9	9	32	7.00	7.00	9.00	9.00	7.80	7.80	10.00	10.00	11.00	32.00	35.60	1.17	3.55	4.03
7	7	9	12	35	6.90	6.90	8.90	11.80	7.50	7.50	9.70	12.90	11.00	34.50	37.60	1.17	3.82	4.33
7	7	12	12	38	6.50	6.50	11.10	11.10	7.00	7.00	12.00	12.00	11.00	35.20	38.00	1.17	3.90	4.38
7	9	9	9	34	6.90	8.90	8.90	8.90	7.70	9.90	9.90	9.90	11.00	33.60	37.40	1.17	3.72	4.31
7	9	9	12	37	6.70	8.60	8.60	11.30	7.20	9.20	9.20	12.40	11.00	35.20	38.00	1.17	3.90	4.38
9	9	9	9	36	8.80	8.80	8.80	8.80	9.50	9.50	9.50	9.50	11.00	35.20	38.00	1.17	3.90	4.38

NOTES:

- *1: Optional kit RXK9FZ1818 shall be necessary for the dual zone system “18 + 18”.
- *2: Wall mounted type RIWH18AVFJ cannot be connected in this combination.
- 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, 24: 24,000 Btu/h
  - 3 or more indoor units should be connected. (Only the combinations of the “18 + 18” can be connected by using the optional kit RXK9FZ1818.)
  - 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 27,000 Btu up to 39,000 Btu.
  - Non-Ducted system combinations input are based on RIWH wall mount models. The input of combinations including RICH cassette models may be a little higher.
  - Ducted system combinations capacities are based on RIDH slim duct units excepting 7,000-Btu models. 7,000 Btu models are based on RIWH wall mount models.

■ Model: ROMH36AFXZJ

● 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	Room 4	Total	Room 1	Room 2	Room 3	Room 4	Room 1	Room 2	Room 3	Room 4	Min.	Rated	Max.	Min.	Rated	Max.
18	18	-	-	36*1	17.30	17.30	-	-	20.00	20.00	-	-	11.00	34.60	40.00	1.02	2.99	3.70
7	7	15	-	29	7.20	7.20	15.50	-	8.80	8.80	18.50	-	11.00	29.90	36.10	0.87	2.57	3.34
7	7	18	-	32	7.20	7.20	18.60	-	8.70	8.70	21.70	-	11.00	33.00	39.10	0.87	2.86	3.62
7	7	24	-	38	6.70	6.70	23.00	-	7.50	7.50	26.00	-	11.00	36.40	41.00	0.87	3.15	3.79
7	9	12	-	28	7.20	9.30	12.40	-	8.80	11.30	14.90	-	11.00	28.90	35.00	0.87	2.50	3.24
7	9	15	-	31	7.20	9.30	15.50	-	8.80	11.30	18.50	-	11.00	32.00	38.60	0.87	2.77	3.57
7	9	18	-	34	7.10	9.10	18.40	-	8.30	10.80	21.10	-	11.00	34.60	40.20	0.87	2.99	3.72
7	12	12	-	31	7.20	12.40	12.40	-	8.80	14.90	14.90	-	11.00	32.00	38.60	0.87	2.77	3.57
7	12	15	-	34	7.10	12.20	15.30	-	8.20	13.90	17.70	-	11.00	34.60	39.80	0.87	2.99	3.68
7	12	18	-	37	6.90	11.80	17.70	-	7.70	13.30	20.00	-	11.00	36.40	41.00	0.87	3.15	3.79
9	9	9	-	27	9.30	9.30	9.30	-	11.30	11.30	11.30	-	11.00	27.90	33.90	0.87	2.41	3.14
9	9	12	-	30	9.30	9.30	12.40	-	11.30	11.30	14.90	-	11.00	31.00	37.50	0.87	2.68	3.47
9	9	15	-	33	9.10	9.10	15.30	-	10.90	10.90	18.00	-	11.00	33.50	39.80	0.87	2.90	3.68
9	9	18	-	36	9.10	9.10	18.20	-	10.20	10.20	20.60	-	11.00	36.40	41.00	0.87	3.15	3.79
9	12	12	-	33	9.10	12.20	12.20	-	10.90	14.50	14.50	-	11.00	33.50	39.90	0.87	2.90	3.69
9	12	15	-	36	9.20	12.10	15.10	-	10.30	13.60	17.00	-	11.00	36.40	40.90	0.87	3.15	3.78
9	12	18	-	39	8.50	11.20	16.70	-	9.40	12.60	19.00	-	11.00	36.40	41.00	0.97	3.15	3.79
12	12	12	-	36	12.10	12.10	12.20	-	13.60	13.60	13.60	-	11.00	36.40	40.80	0.87	3.15	3.77
12	12	15	-	39	11.20	11.20	14.00	-	12.60	12.60	15.80	-	11.00	36.40	41.00	0.87	3.15	3.79
7	7	7	7	28	7.20	7.20	7.20	7.20	8.80	8.80	8.80	8.80	11.00	28.80	35.20	0.87	2.37	3.07
7	7	7	9	30	7.20	7.20	7.20	9.30	8.80	8.80	8.80	11.30	11.00	30.90	37.70	0.87	2.55	3.29
7	7	7	12	33	7.10	7.10	7.10	12.20	8.50	8.50	8.50	14.40	11.00	33.50	39.90	0.87	2.76	3.52
7	7	7	15	36	7.10	7.10	7.10	15.00	8.30	8.30	8.30	17.10	11.00	36.30	42.00	0.87	2.99	3.70
7	7	7	18*2	39	6.50	6.50	6.50	16.90	7.50	7.50	7.50	19.50	11.00	36.40	42.00	0.87	3.00	3.70
7	7	9	9	32	7.20	7.20	9.30	9.30	8.60	8.60	11.10	11.10	11.00	33.00	39.40	0.87	2.72	3.44
7	7	9	12	35	7.10	7.10	9.20	12.20	8.30	8.30	10.70	14.30	11.00	35.60	41.60	0.87	2.93	3.66
7	7	9	15	38	6.70	6.70	8.70	14.30	7.70	7.70	10.00	16.60	11.00	36.40	42.00	0.87	3.00	3.70
7	7	12	12	38	6.70	6.70	11.50	11.50	7.70	7.70	13.30	13.30	11.00	36.40	42.00	0.87	3.00	3.70
7	9	9	9	34	7.10	9.20	9.20	9.20	8.50	10.90	10.90	10.90	11.00	34.70	41.20	0.87	2.86	3.63
7	9	9	12	37	6.90	8.90	8.90	11.70	8.00	10.20	10.20	13.60	11.00	36.40	42.00	0.87	3.00	3.70
9	9	9	9	36	9.10	9.10	9.10	9.10	10.50	10.50	10.50	10.50	11.00	36.40	42.00	0.87	3.00	3.70

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	Room 4	Total	Room 1	Room 2	Room 3	Room 4	Room 1	Room 2	Room 3	Room 4	Min.	Rated	Max.	Min.	Rated	Max.
18	18	-	-	36*1	17.30	17.30	-	-	20.00	20.00	-	-	11.00	34.60	40.00	1.02	3.21	3.85
7	7	18	-	32	7.20	7.20	18.60	-	8.70	8.70	21.70	-	11.00	33.00	39.10	0.87	3.07	3.76
7	7	24	-	38	6.70	6.70	23.00	-	7.50	7.50	26.00	-	11.00	36.40	41.00	0.87	3.38	3.95
7	9	12	-	28	7.20	9.30	12.40	-	8.80	11.30	14.90	-	11.00	28.90	35.00	0.87	2.68	3.37
7	9	18	-	34	7.10	9.10	18.40	-	8.30	10.80	21.10	-	11.00	34.60	40.20	0.87	3.21	3.87
7	12	12	-	31	7.20	12.40	12.40	-	8.80	14.90	14.90	-	11.00	32.00	38.60	0.87	2.97	3.72
7	12	18	-	37	6.90	11.80	17.70	-	7.70	13.30	20.00	-	11.00	36.40	41.00	0.87	3.38	3.95
9	9	9	-	27	9.30	9.30	9.30	-	11.30	11.30	11.30	-	11.00	27.90	33.90	0.87	2.59	3.26
9	9	12	-	30	9.30	9.30	12.40	-	11.30	11.30	14.90	-	11.00	31.00	37.50	0.87	2.88	3.61
9	9	18	-	36	9.10	9.10	18.20	-	10.20	10.20	20.60	-	11.00	36.40	41.00	0.87	3.38	3.95
9	12	12	-	33	9.10	12.20	12.20	-	10.90	14.50	14.50	-	11.00	33.50	39.90	0.87	3.11	3.84
9	12	18	-	39	8.50	11.20	16.70	-	9.40	12.60	19.00	-	11.00	36.40	41.00	0.97	3.38	3.95
12	12	12	-	36	12.10	12.10	12.20	-	13.60	13.60	13.60	-	11.00	36.40	40.80	0.87	3.38	3.93
7	7	7	7	28	7.20	7.20	7.20	7.20	8.80	8.80	8.80	8.80	11.00	28.80	35.20	0.87	2.55	3.19
7	7	7	9	30	7.20	7.20	7.20	9.30	8.80	8.80	8.80	11.30	11.00	30.90	37.70	0.87	2.73	3.42
7	7	7	12	33	7.10	7.10	7.10	12.20	8.50	8.50	8.50	14.40	11.00	33.50	39.90	0.87	2.96	3.66
7	7	7	18	39	6.50	6.50	6.50	16.90	7.50	7.50	7.50	19.50	11.00	36.40	42.00	0.87	3.22	3.85
7	7	9	9	32	7.20	7.20	9.30	9.30	8.60	8.60	11.10	11.10	11.00	33.00	39.40	0.87	2.92	3.58
7	7	9	12	35	7.10	7.10	9.20	12.20	8.30	8.30	10.70	14.30	11.00	35.60	41.60	0.87	3.15	3.81
7	7	12	12	38	6.70	6.70	11.50	11.50	7.70	7.70	13.30	13.30	11.00	36.40	42.00	0.87	3.22	3.85
7	9	9	9	34	7.10	9.20	9.20	9.20	8.50	10.90	10.90	10.90	11.00	34.70	41.20	0.87	3.07	3.78
7	9	9	12	37	6.90	8.90	8.90	11.70	8.00	10.20	10.20	13.60	11.00	36.40	42.00	0.87	3.22	3.85
9	9	9	9	36	9.10	9.10	9.10	9.10	10.50	10.50	10.50	10.50	11.00	36.40	42.00	0.87	3.22	3.85

NOTES:

- *1: Optional kit RXK9FZ1818 shall be necessary for the dual zone system “18 + 18”.
- *2: Wall mounted type RICH18AVFJ cannot be connected in this combination.
- 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, 24: 24,000 Btu/h
  - 3 or more indoor units should be connected. (Only the combinations of the “18 + 18” can be connected by using the optional kit RXK9FZ1818.)
  - 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 27,000 Btu up to 39,000 Btu.
  - Non-Ducted system combinations input are based on RIWH wall mount models. The input of combinations including RICH cassette models may be a little higher.
  - Ducted system combinations capacities are based on RIDH slim duct units excepting 7,000-Btu models. 7,000 Btu models are based on RIWH wall mount models.

6-2. Cooling capacity

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

Model: ROMH36AFXZJ

TC: Total Capacity, SHC: Sensible Heat Capacity, IP: Input Power
The data is based on the following conditions:
Pipe length: 7.5 m, Height difference: 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	7.01	5.62	0.31	7.92	5.67	0.32	8.35	6.19	0.32	8.94	6.50	0.32	9.55	6.65	0.33	9.85	7.39	0.33
	23	6.82	5.55	0.36	7.71	5.60	0.37	8.12	6.12	0.37	8.70	6.42	0.38	9.30	6.57	0.38	9.58	7.30	0.38
	32	6.80	5.49	0.42	7.69	5.54	0.42	8.10	6.05	0.43	8.68	6.35	0.43	9.28	6.49	0.44	9.56	7.22	0.44
	41	6.66	5.45	0.51	7.52	5.49	0.52	7.93	6.00	0.53	8.49	6.30	0.53	9.08	6.44	0.54	9.36	7.16	0.54
	50	6.65	5.44	0.51	7.52	5.48	0.52	7.92	5.99	0.52	8.48	6.29	0.53	9.07	6.43	0.54	9.35	7.15	0.54
	59	6.59	5.43	0.51	7.44	5.47	0.52	7.85	5.98	0.52	8.40	6.27	0.53	8.98	6.42	0.53	9.26	7.13	0.54
	67	7.06	5.55	0.62	7.98	5.60	0.63	8.41	6.12	0.63	9.01	6.42	0.64	9.63	6.57	0.65	9.93	7.30	0.65
	77	7.54	5.68	0.77	8.52	5.73	0.79	8.98	6.26	0.79	9.61	6.57	0.80	10.28	6.72	0.81	10.60	7.47	0.82
	87	7.45	5.68	0.94	8.42	5.73	0.95	8.88	6.26	0.96	9.51	6.56	0.97	10.16	6.72	0.98	10.47	7.46	0.99
	95	7.37	5.67	1.10	8.32	5.72	1.12	8.78	6.25	1.13	9.40	6.56	1.14	10.04	6.71	1.15	10.35	7.46	1.16
	104	5.83	5.01	0.86	6.59	5.05	0.87	6.95	5.51	0.88	7.44	5.79	0.89	7.96	5.92	0.90	8.20	6.58	0.90
	115	4.30	3.93	0.62	4.86	4.20	0.63	5.12	4.59	0.63	5.49	4.81	0.64	5.87	4.92	0.65	6.05	5.47	0.65

		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	2.05	1.65	0.31	2.32	1.66	0.32	2.45	1.81	0.32	2.62	1.90	0.32	2.80	1.95	0.33	2.89	2.16	0.33
	-5.0	2.00	1.63	0.36	2.26	1.64	0.37	2.38	1.79	0.37	2.55	1.88	0.38	2.72	1.93	0.38	2.81	2.14	0.38
	0.0	1.99	1.61	0.42	2.25	1.62	0.42	2.38	1.77	0.43	2.54	1.86	0.43	2.72	1.90	0.44	2.80	2.11	0.44
	5.0	1.95	1.60	0.51	2.21	1.61	0.52	2.32	1.76	0.53	2.49	1.85	0.53	2.66	1.89	0.54	2.74	2.10	0.54
	10.0	1.95	1.59	0.51	2.20	1.61	0.52	2.32	1.76	0.52	2.49	1.84	0.53	2.66	1.88	0.54	2.74	2.09	0.54
	15.0	1.93	1.59	0.51	2.18	1.60	0.52	2.30	1.75	0.52	2.46	1.84	0.53	2.63	1.88	0.53	2.71	2.09	0.54
	19.4	2.07	1.63	0.62	2.34	1.64	0.63	2.47	1.79	0.63	2.64	1.88	0.64	2.82	1.93	0.65	2.91	2.14	0.65
	25.0	2.21	1.67	0.77	2.50	1.68	0.79	2.63	1.83	0.79	2.82	1.93	0.80	3.01	1.97	0.81	3.11	2.19	0.82
	30.6	2.18	1.66	0.94	2.47	1.68	0.95	2.60	1.83	0.96	2.79	1.92	0.97	2.98	1.97	0.98	3.07	2.19	0.99
	35.0	2.16	1.66	1.10	2.44	1.68	1.12	2.57	1.83	1.13	2.75	1.92	1.14	2.94	1.97	1.15	3.03	2.19	1.16
	40.0	1.71	1.47	0.86	1.93	1.48	0.87	2.04	1.62	0.88	2.18	1.70	0.89	2.33	1.74	0.90	2.40	1.93	0.90
	46.1	1.26	1.15	0.62	1.42	1.23	0.63	1.50	1.34	0.63	1.61	1.41	0.64	1.72	1.44	0.65	1.77	1.60	0.65

● 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	8.79	6.85	0.35	9.94	6.91	0.36	10.47	7.55	0.36	11.21	7.92	0.37	11.99	8.10	0.37	12.36	9.00	0.37
	23	8.56	6.77	0.41	9.67	6.83	0.42	10.19	7.46	0.42	10.91	7.83	0.43	11.67	8.01	0.43	12.03	8.90	0.43
	32	8.54	6.69	0.47	9.65	6.75	0.48	10.17	7.37	0.48	10.89	7.73	0.49	11.64	7.91	0.49	12.00	8.79	0.49
	41	8.35	6.64	0.58	9.44	6.70	0.59	9.95	7.31	0.59	10.66	7.67	0.60	11.39	7.85	0.61	11.74	8.73	0.61
	50	8.34	6.63	0.58	9.43	6.69	0.59	9.94	7.30	0.59	10.64	7.66	0.60	11.38	7.84	0.60	11.73	8.71	0.61
	59	8.26	6.61	0.57	9.34	6.67	0.58	9.85	7.29	0.59	10.54	7.65	0.59	11.27	7.82	0.60	11.62	8.70	0.60
	67	8.86	6.77	0.69	10.01	6.83	0.71	10.56	7.46	0.71	11.30	7.83	0.72	12.08	8.01	0.73	12.46	8.90	0.73
	77	9.46	6.93	0.87	10.69	6.99	0.89	11.27	7.63	0.90	12.06	8.01	0.91	12.90	8.19	0.92	13.30	9.10	0.92
	87	9.35	6.92	1.05	10.57	6.98	1.07	11.14	7.62	1.08	11.93	8.00	1.09	12.75	8.19	1.11	13.14	9.10	1.11
	95	9.24	6.92	1.24	10.45	6.98	1.26	11.01	7.62	1.27	11.79	8.00	1.28	12.60	8.18	1.30	12.99	9.09	1.30
	104	7.32	6.10	0.96	8.27	6.15	0.98	8.72	6.72	0.99	9.34	7.05	1.00	9.98	7.22	1.01	10.29	8.02	1.02
	115	5.40	4.79	0.69	6.10	5.12	0.71	6.43	5.59	0.71	6.89	5.87	0.72	7.36	6.00	0.73	7.59	6.67	0.73

		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	2.58	2.01	0.35	2.91	2.02	0.36	3.07	2.21	0.36	3.29	2.32	0.37	3.51	2.37	0.37	3.62	2.64	0.37
	-5.0	2.51	1.98	0.41	2.83	2.00	0.42	2.99	2.19	0.42	3.20	2.29	0.43	3.42	2.35	0.43	3.52	2.61	0.43
	0.0	2.50	1.96	0.47	2.83	1.98	0.48	2.98	2.16	0.48	3.19	2.27	0.49	3.41	2.32	0.49	3.52	2.58	0.49
	5.0	2.45	1.95	0.58	2.77	1.96	0.59	2.92	2.14	0.59	3.12	2.25	0.60	3.34	2.30	0.61	3.44	2.56	0.61
	10.0	2.45	1.94	0.58	2.76	1.96	0.59	2.91	2.14	0.59	3.12	2.25	0.60	3.33	2.30	0.60	3.44	2.55	0.61
	15.0	2.42	1.94	0.57	2.74	1.96	0.58	2.89	2.14	0.59	3.09	2.24	0.59	3.30	2.29	0.60	3.40	2.55	0.60
	19.4	2.60	1.98	0.69	2.94	2.00	0.71	3.09	2.19	0.71	3.31	2.29	0.72	3.54	2.35	0.73	3.65	2.61	0.73
	25.0	2.77	2.03	0.87	3.13	2.05	0.89	3.30	2.24	0.90	3.54	2.35	0.91	3.78	2.40	0.92	3.90	2.67	0.92
	30.6	2.74	2.03	1.05	3.10	2.05	1.07	3.27	2.23	1.08	3.50	2.34	1.09	3.74	2.40	1.11	3.85	2.67	1.11
	35.0	2.71	2.03	1.24	3.06	2.04	1.26	3.23	2.23	1.27	3.46	2.34	1.28	3.69	2.40	1.30	3.81	2.66	1.30
	40.0	2.15	1.79	0.96	2.42	1.80	0.98	2.56	1.97	0.99	2.74	2.07	1.00	2.93	2.11	1.01	3.02	2.35	1.02
	46.1	1.58	1.40	0.69	1.79	1.50	0.71	1.88	1.64	0.71	2.02	1.72	0.72	2.16	1.76	0.73	2.22	1.95	0.73

● 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	10.08	7.87	0.39	11.39	7.94	0.40	12.01	8.68	0.40	12.86	9.10	0.41	13.75	9.31	0.41	14.17	10.35	0.42
	23	9.81	7.78	0.46	11.09	7.85	0.47	11.69	8.57	0.47	12.51	9.00	0.48	13.38	9.21	0.48	13.79	10.23	0.48
	32	9.79	7.69	0.52	11.06	7.76	0.53	11.66	8.47	0.54	12.48	8.89	0.54	13.34	9.10	0.55	13.76	10.11	0.55
	41	9.58	7.63	0.65	10.82	7.70	0.66	11.41	8.41	0.67	12.22	8.82	0.67	13.06	9.03	0.68	13.46	10.03	0.68
	50	9.57	7.62	0.65	10.81	7.69	0.66	11.40	8.39	0.66	12.20	8.81	0.67	13.04	9.01	0.68	13.45	10.02	0.68
	59	9.48	7.61	0.64	10.71	7.67	0.65	11.29	8.38	0.66	12.09	8.79	0.67	12.92	9.00	0.67	13.32	10.00	0.68
	67	10.16	7.78	0.78	11.48	7.85	0.79	12.10	8.58	0.80	12.96	9.00	0.81	13.85	9.21	0.81	14.28	10.23	0.82
	77	10.84	7.96	0.98	12.26	8.03	0.99	12.92	8.77	1.00	13.83	9.20	1.01	14.79	9.42	1.03	15.24	10.47	1.03
	87	10.72	7.96	1.18	12.12	8.03	1.20	12.77	8.77	1.21	13.68	9.20	1.22	14.62	9.41	1.24	15.07	10.46	1.25
	95	10.60	7.95	1.38	11.98	8.02	1.41	12.63	8.76	1.42	13.52	9.19	1.44	14.45	9.41	1.45	14.90	10.45	1.46
	104	8.39	7.01	1.08	9.49	7.07	1.10	10.00	7.73	1.11	10.71	8.11	1.12	11.44	8.30	1.13	11.80	9.22	1.14
	115	6.19	5.50	0.78	6.99	5.88	0.79	7.37	6.43	0.80	7.89	6.74	0.81	8.44	6.90	0.82	8.70	7.67	0.82

		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	2.95	2.31	0.39	3.34	2.33	0.40	3.52	2.54	0.40	3.77	2.67	0.41	4.03	2.73	0.41	4.15	3.03	0.42
	-5.0	2.87	2.28	0.46	3.25	2.30	0.47	3.43	2.51	0.47	3.67	2.64	0.48	3.92	2.70	0.48	4.04	3.00	0.48
	0.0	2.87	2.25	0.52	3.24	2.27	0.53	3.42	2.48	0.54	3.66	2.61	0.54	3.91	2.67	0.55	4.03	2.96	0.55
	5.0	2.81	2.24	0.65	3.17	2.26	0.66	3.34	2.46	0.67	3.58	2.59	0.67	3.83	2.65	0.68	3.95	2.94	0.68
	10.0	2.80	2.23	0.65	3.17	2.25	0.66	3.34	2.46	0.66	3.58	2.58	0.67	3.82	2.64	0.68	3.94	2.94	0.68
	15.0	2.78	2.23	0.64	3.14	2.25	0.65	3.31	2.46	0.66	3.54	2.58	0.67	3.79	2.64	0.67	3.90	2.93	0.68
	19.4	2.98	2.28	0.78	3.37	2.30	0.79	3.55	2.51	0.80	3.80	2.64	0.81	4.06	2.70	0.81	4.19	3.00	0.82
	25.0	3.18	2.33	0.98	3.59	2.35	0.99	3.79	2.57	1.00	4.05	2.70	1.01	4.33	2.76	1.03	4.47	3.07	1.03
	30.6	3.14	2.33	1.18	3.55	2.35	1.20	3.74	2.57	1.21	4.01	2.70	1.22	4.28	2.76	1.24	4.42	3.07	1.25
	35.0	3.11	2.33	1.38	3.51	2.35	1.41	3.70	2.57	1.42	3.96	2.69	1.44	4.24	2.76	1.45	4.37	3.06	1.46
	40.0	2.46	2.06	1.08	2.78	2.07	1.10	2.93	2.26	1.11	3.14	2.38	1.12	3.35	2.43	1.13	3.46	2.70	1.14
	46.1	1.81	1.61	0.78	2.05	1.72	0.79	2.16	1.88	0.80	2.31	1.98	0.81	2.47	2.02	0.82	2.55	2.25	0.82

● 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	13.71	11.30	0.55	15.50	11.40	0.56	16.34	12.45	0.57	17.49	13.06	0.57	18.70	13.36	0.58	19.28	14.85	0.58
	23	13.34	11.17	0.64	15.08	11.26	0.66	15.90	12.30	0.66	17.02	12.91	0.67	18.19	13.21	0.68	18.76	14.68	0.68
	32	13.31	11.04	0.73	15.05	11.13	0.75	15.86	12.16	0.75	16.98	12.76	0.76	18.15	13.05	0.77	18.71	14.51	0.78
	41	13.03	10.95	0.91	14.73	11.05	0.93	15.52	12.07	0.93	16.62	12.66	0.94	17.77	12.95	0.95	18.32	14.40	0.96
	50	13.01	10.93	0.90	14.71	11.03	0.92	15.50	12.04	0.93	16.60	12.64	0.94	17.75	12.93	0.95	18.29	14.37	0.95
	59	12.89	10.91	0.90	14.57	11.01	0.91	15.36	12.02	0.92	16.44	12.62	0.93	17.58	12.91	0.94	18.12	14.35	0.95
	67	13.82	11.17	1.09	15.62	11.27	1.11	16.47	12.30	1.12	17.63	12.91	1.13	18.85	13.21	1.14	19.43	14.68	1.15
	77	14.75	11.42	1.37	16.67	11.52	1.39	17.57	12.59	1.40	18.82	13.21	1.42	20.11	13.51	1.44	20.74	15.02	1.44
	87	14.58	11.42	1.65	16.48	11.52	1.68	17.37	12.58	1.70	18.60	13.20	1.72	19.89	13.50	1.74	20.50	15.01	1.75
	95	14.42	11.41	1.94	16.29	11.51	1.97	17.18	12.57	1.99	18.39	13.19	2.01	19.66	13.50	2.04	20.26	15.00	2.05
	104	11.42	10.06	1.51	12.90	10.15	1.54	13.60	11.09	1.55	14.56	11.63	1.57	15.57	11.90	1.59	16.05	13.23	1.60
	115	8.42	7.89	1.09	9.51	8.44	1.11	10.03	9.22	1.12	10.74	9.68	1.13	11.48	9.90	1.14	11.83	11.00	1.15

		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	4.02	3.31	0.55	4.54	3.34	0.56	4.79	3.65	0.57	5.13	3.83	0.57	5.48	3.92	0.58	5.65	4.35	0.58
	-5.0	3.91	3.27	0.64	4.42	3.30	0.66	4.66	3.61	0.66	4.99	3.78	0.67	5.33	3.87	0.68	5.50	4.30	0.68
	0.0	3.90	3.23	0.73	4.41	3.26	0.75	4.65	3.56	0.75	4.98	3.74	0.76	5.32	3.83	0.77	5.48	4.25	0.78
	5.0	3.82	3.21	0.91	4.32	3.24	0.93	4.55	3.54	0.93	4.87	3.71	0.94	5.21	3.80	0.95	5.37	4.22	0.96
	10.0	3.81	3.20	0.90	4.31	3.23	0.92	4.54	3.53	0.93	4.87	3.70	0.94	5.20	3.79	0.95	5.36	4.21	0.95
	15.0	3.78	3.20	0.90	4.27	3.23	0.91	4.50	3.52	0.92	4.82	3.70	0.93	5.15	3.78	0.94	5.31	4.20	0.95
	19.4	4.05	3.27	1.09	4.58	3.30	1.11	4.83	3.61	1.12	5.17	3.78	1.13	5.52	3.87	1.14	5.69	4.30	1.15
	25.0	4.32	3.35	1.37	4.89	3.38	1.39	5.15	3.69	1.40	5.51	3.87	1.42	5.90	3.96	1.44	6.08	4.40	1.44
	30.6	4.27	3.35	1.65	4.83	3.38	1.68	5.09	3.69	1.70	5.45	3.87	1.72	5.83	3.96	1.74	6.01	4.40	1.75
	35.0	4.23	3.34	1.94	4.78	3.37	1.97	5.03	3.68	1.99	5.39	3.87	2.01	5.76	3.96	2.04	5.94	4.40	2.05
	40.0	3.35	2.95	1.51	3.78	2.98	1.54	3.99	3.25	1.55	4.27	3.41	1.57	4.56	3.49	1.59	4.70	3.88	1.60
	46.1	2.47	2.31	1.09	2.79	2.47	1.11	2.94	2.70	1.12	3.15	2.84	1.13	3.36	2.90	1.14	3.47	3.22	1.15

● 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	15.50	12.07	0.62	17.51	12.18	0.63	18.46	13.30	0.64	19.77	13.95	0.65	21.13	14.28	0.65	21.78	15.87	0.66
	23	15.08	11.93	0.72	17.04	12.03	0.74	17.97	13.14	0.74	19.23	13.79	0.75	20.56	14.11	0.76	21.20	15.68	0.76
	32	15.05	11.79	0.83	17.00	11.89	0.84	17.92	12.99	0.85	19.19	13.63	0.86	20.51	13.95	0.87	21.15	15.50	0.87
	41	14.73	11.70	1.02	16.64	11.80	1.04	17.54	12.89	1.05	18.78	13.53	1.06	20.08	13.84	1.07	20.70	15.38	1.08
	50	14.71	11.68	1.02	16.62	11.78	1.04	17.52	12.87	1.04	18.76	13.50	1.06	20.05	13.82	1.07	20.67	15.35	1.07
	59	14.57	11.66	1.01	16.46	11.76	1.03	17.35	12.84	1.04	18.58	13.48	1.05	19.86	13.79	1.06	20.48	15.33	1.07
	67	15.62	11.93	1.22	17.65	12.04	1.25	18.61	13.15	1.26	19.92	13.79	1.27	21.30	14.11	1.28	21.96	15.69	1.29
	77	16.67	12.20	1.54	18.84	12.31	1.57	19.86	13.45	1.58	21.26	14.11	1.60	22.73	14.44	1.62	23.43	16.04	1.63
	87	16.48	12.20	1.86	18.63	12.30	1.90	19.64	13.44	1.91	21.02	14.10	1.93	22.47	14.43	1.95	23.17	16.03	1.97
	95	16.29	12.19	2.18	18.41	12.30	2.22	19.41	13.43	2.24	20.78	14.09	2.27	22.22	14.42	2.29	22.90	16.02	2.30
	104	12.90	10.75	1.70	14.58	10.85	1.73	15.37	11.85	1.75	16.46	12.43	1.77	17.59	12.72	1.79	18.14	14.13	1.80
	115	9.51	8.43	1.23	10.75	9.02	1.25	11.33	9.85	1.26	12.14	10.34	1.27	12.97	10.58	1.29	13.37	11.75	1.29

		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	4.54	3.54	0.62	5.13	3.57	0.63	5.41	3.90	0.64	5.79	4.09	0.65	6.19	4.18	0.65	6.38	4.65	0.66
	-5.0	4.42	3.50	0.72	4.99	3.53	0.74	5.27	3.85	0.74	5.64	4.04	0.75	6.03	4.14	0.76	6.21	4.60	0.76
	0.0	4.41	3.46	0.83	4.98	3.49	0.84	5.25	3.81	0.85	5.62	3.99	0.86	6.01	4.09	0.87	6.20	4.54	0.87
	5.0	4.32	3.43	1.02	4.88	3.46	1.04	5.14	3.78	1.05	5.50	3.96	1.06	5.88	4.06	1.07	6.07	4.51	1.08
	10.0	4.31	3.42	1.02	4.87	3.45	1.04	5.14	3.77	1.04	5.50	3.96	1.06	5.88	4.05	1.07	6.06	4.50	1.07
	15.0	4.27	3.42	1.01	4.82	3.45	1.03	5.09	3.76	1.04	5.45	3.95	1.05	5.82	4.04	1.06	6.00	4.49	1.07
	19.4	4.58	3.50	1.22	5.17	3.53	1.25	5.45	3.85	1.26	5.84	4.04	1.27	6.24	4.14	1.28	6.43	4.60	1.29
	25.0	4.89	3.58	1.54	5.52	3.61	1.57	5.82	3.94	1.58	6.23	4.14	1.60	6.66	4.23	1.62	6.87	4.70	1.63
	30.6	4.83	3.57	1.86	5.46	3.61	1.90	5.75	3.94	1.91	6.16	4.13	1.93	6.59	4.23	1.95	6.79	4.70	1.97
	35.0	4.78	3.57	2.18	5.40	3.60	2.22	5.69	3.94	2.24	6.09	4.13	2.27	6.51	4.23	2.29	6.71	4.70	2.30
	40.0	3.78	3.15	1.70	4.27	3.18	1.73	4.51	3.47	1.75	4.82	3.64	1.77	5.16	3.73	1.79	5.32	4.14	1.80
	46.1	2.79	2.47	1.23	3.15	2.64	1.25	3.32	2.89	1.26	3.56	3.03	1.27	3.80	3.10	1.29	3.92	3.44	1.29

● Indoor units: 24,000 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	19.11	12.55	0.81	21.60	12.66	0.82	22.77	13.82	0.83	24.38	14.51	0.84	26.06	14.84	0.85	26.86	16.49	0.85
	23	18.60	12.40	0.94	21.02	12.51	0.96	22.15	13.66	0.97	23.72	14.34	0.98	25.36	14.67	0.99	26.14	16.30	0.99
	32	18.55	12.26	1.08	20.97	12.36	1.09	22.10	13.50	1.10	23.67	14.17	1.12	25.30	14.50	1.13	26.08	16.11	1.13
	41	18.16	12.16	1.33	20.52	12.27	1.35	21.63	13.40	1.37	23.16	14.06	1.38	24.76	14.39	1.40	25.53	15.99	1.40
	50	18.14	12.14	1.32	20.50	12.25	1.35	21.61	13.38	1.36	23.13	14.04	1.37	24.73	14.36	1.39	25.49	15.96	1.40
	59	17.96	12.12	1.32	20.30	12.22	1.34	21.40	13.35	1.35	22.91	14.01	1.36	24.49	14.33	1.38	25.25	15.93	1.39
	67	19.26	12.40	1.59	21.77	12.51	1.62	22.95	13.66	1.63	24.57	14.34	1.65	26.26	14.67	1.67	27.07	16.30	1.68
	77	20.56	12.69	2.00	23.23	12.80	2.04	24.49	13.98	2.06	26.22	14.67	2.08	28.03	15.01	2.10	28.90	16.68	2.11
	87	20.33	12.68	2.42	22.97	12.79	2.46	24.21	13.97	2.48	25.93	14.66	2.51	27.71	15.00	2.54	28.57	16.67	2.55
	95	20.09	12.67	2.84	22.71	12.78	2.89	23.94	13.96	2.91	25.63	14.65	2.94	27.40	14.99	2.98	28.24	16.66	2.99
	104	15.91	11.18	2.22	17.98	11.27	2.26	18.96	12.31	2.27	20.30	12.92	2.30	21.70	13.22	2.33	22.37	14.69	2.34
	115	11.73	8.77	1.59	13.26	9.38	1.62	13.98	10.24	1.63	14.97	10.74	1.65	16.00	10.99	1.67	16.49	12.22	1.68

		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	5.60	3.68	0.81	6.33	3.71	0.82	6.67	4.05	0.83	7.14	4.25	0.84	7.64	4.35	0.85	7.87	4.83	0.85
	-5.0	5.45	3.63	0.94	6.16	3.67	0.96	6.49	4.00	0.97	6.95	4.20	0.98	7.43	4.30	0.99	7.66	4.78	0.99
	0.0	5.44	3.59	1.08	6.15	3.62	1.09	6.48	3.96	1.10	6.94	4.15	1.12	7.41	4.25	1.13	7.64	4.72	1.13
	5.0	5.32	3.56	1.33	6.01	3.60	1.35	6.34	3.93	1.37	6.79	4.12	1.38	7.26	4.22	1.40	7.48	4.69	1.40
	10.0	5.32	3.56	1.32	6.01	3.59	1.35	6.33	3.92	1.36	6.78	4.11	1.37	7.25	4.21	1.39	7.47	4.68	1.40
	15.0	5.27	3.55	1.32	5.95	3.58	1.34	6.27	3.91	1.35	6.72	4.11	1.36	7.18	4.20	1.38	7.40	4.67	1.39
	19.4	5.65	3.64	1.59	6.38	3.67	1.62	6.73	4.00	1.63	7.20	4.20	1.65	7.70	4.30	1.67	7.94	4.78	1.68
	25.0	6.03	3.72	2.00	6.81	3.75	2.04	7.18	4.10	2.06	7.69	4.30	2.08	8.22	4.40	2.10	8.47	4.89	2.11
	30.6	5.96	3.72	2.42	6.73	3.75	2.46	7.10	4.09	2.48	7.60	4.30	2.51	8.12	4.40	2.54	8.37	4.88	2.55
	35.0	5.89	3.71	2.84	6.65	3.75	2.89	7.02	4.09	2.91	7.51	4.29	2.94	8.03	4.39	2.98	8.28	4.88	2.99
	40.0	4.66	3.28	2.22	5.27	3.30	2.26	5.56	3.61	2.27	5.95	3.79	2.30	6.36	3.87	2.33	6.56	4.31	2.34
	46.1	3.44	2.57	1.59	3.89	2.75	1.62	4.10	3.00	1.63	4.39	3.15	1.65	4.69	3.22	1.67	4.83	3.58	1.68

● Indoor units: 7,000 Btu + 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	24.39	21.41	1.02	27.56	21.59	1.03	29.05	23.59	1.04	31.10	24.75	1.05	33.25	25.32	1.07	34.28	28.14	1.07
	23	23.73	21.16	1.18	26.82	21.34	1.20	28.27	23.31	1.21	30.27	24.46	1.23	32.35	25.03	1.24	33.35	27.82	1.25
	32	23.67	20.91	1.35	26.75	21.09	1.37	28.20	23.04	1.39	30.20	24.17	1.40	32.28	24.73	1.42	33.28	27.49	1.43
	41	23.17	20.75	1.67	26.19	20.93	1.70	27.60	22.86	1.72	29.55	23.99	1.73	31.59	24.54	1.75	32.57	27.28	1.76
	50	23.14	20.71	1.66	26.15	20.90	1.69	27.57	22.82	1.71	29.52	23.95	1.72	31.56	24.50	1.74	32.53	27.23	1.75
	59	22.92	20.68	1.65	25.90	20.86	1.68	27.31	22.78	1.70	29.24	23.90	1.71	31.25	24.46	1.73	32.22	27.18	1.74
	67	24.58	21.16	2.00	27.78	21.35	2.03	29.28	23.31	2.05	31.35	24.46	2.07	33.51	25.03	2.10	34.55	27.82	2.11
	77	26.23	21.65	2.52	29.65	21.84	2.56	31.25	23.85	2.58	33.46	25.02	2.61	35.77	25.60	2.64	36.87	28.46	2.66
	87	25.93	21.63	3.04	29.31	21.82	3.10	30.90	23.83	3.12	33.08	25.01	3.16	35.36	25.59	3.19	36.45	28.44	3.21
	95	25.64	21.62	3.57	28.97	21.81	3.63	30.54	23.82	3.66	32.70	24.99	3.70	34.96	25.57	3.74	36.04	28.42	3.76
	104	20.30	19.07	2.78	22.95	19.23	2.83	24.19	21.01	2.86	25.90	22.04	2.89	27.69	22.55	2.92	28.54	25.07	2.94
	115	14.97	14.96	2.00	16.92	16.00	2.04	17.84	17.47	2.05	19.10	18.33	2.08	20.41	18.76	2.10	21.04	20.85	2.11

		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	7.15	6.27	1.02	8.08	6.33	1.03	8.51	6.91	1.04	9.12	7.25	1.05	9.74	7.42	1.07	10.05	8.25	1.07
	-5.0	6.95	6.20	1.18	7.86	6.26	1.20	8.29	6.83	1.21	8.87	7.17	1.23	9.48	7.34	1.24	9.78	8.15	1.25
	0.0	6.94	6.13	1.35	7.84	6.18	1.37	8.27	6.75	1.39	8.85	7.09	1.40	9.46	7.25	1.42	9.75	8.06	1.43
	5.0	6.79	6.08	1.67	7.67	6.13	1.70	8.09	6.70	1.72	8.66	7.03	1.73	9.26	7.19	1.75	9.55	7.99	1.76
	10.0	6.78	6.07	1.66	7.67	6.12	1.69	8.08	6.69	1.71	8.65	7.02	1.72	9.25	7.18	1.74	9.53	7.98	1.75
	15.0	6.72	6.06	1.65	7.59	6.11	1.68	8.00	6.68	1.70	8.57	7.01	1.71	9.16	7.17	1.73	9.44	7.97	1.74
	19.4	7.20	6.20	2.00	8.14	6.26	2.03	8.58	6.83	2.05	9.19	7.17	2.07	9.82	7.34	2.10	10.13	8.15	2.11
	25.0	7.69	6.34	2.52	8.69	6.40	2.56	9.16	6.99	2.58	9.81	7.33	2.61	10.48	7.50	2.64	10.81	8.34	2.66
	30.6	7.60	6.34	3.04	8.59	6.40	3.10	9.06	6.98	3.12	9.70	7.33	3.16	10.36	7.50	3.19	10.68	8.33	3.21
	35.0	7.51	6.34	3.57	8.49	6.39	3.63	8.95	6.98	3.66	9.58	7.33	3.70	10.25	7.49	3.74	10.56	8.33	3.76
	40.0	5.95	5.59	2.78	6.73	5.64	2.83	7.09	6.16	2.86	7.59	6.46	2.89	8.11	6.61	2.92	8.36	7.35	2.94
	46.1	4.39	4.38	2.00	4.96	4.69	2.04	5.23	5.12	2.05	5.60	5.37	2.08	5.98	5.50	2.10	6.17	6.11	2.11

● Indoor units: 7,000 Btu + 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	26.40	23.18	1.18	29.83	23.38	1.20	31.45	25.53	1.21	33.67	26.79	1.22	36.00	27.41	1.23	37.11	30.47	1.24
	23	25.69	22.91	1.37	29.03	23.11	1.39	30.60	25.24	1.41	32.77	26.48	1.42	35.03	27.09	1.44	36.11	30.11	1.44
	32	25.63	22.64	1.56	28.96	22.83	1.59	30.53	24.94	1.60	32.69	26.17	1.62	34.95	26.78	1.64	36.02	29.76	1.65
	41	25.08	22.46	1.93	28.35	22.66	1.97	29.88	24.75	1.98	31.99	25.97	2.01	34.20	26.57	2.03	35.26	29.53	2.04
	50	25.05	22.43	1.92	28.31	22.62	1.96	29.85	24.71	1.97	31.96	25.93	1.99	34.16	26.53	2.02	35.22	29.48	2.03
	59	24.81	22.38	1.91	28.04	22.58	1.95	29.56	24.66	1.96	31.65	25.88	1.98	33.84	26.48	2.01	34.88	29.43	2.02
	67	26.61	22.91	2.31	30.07	23.11	2.35	31.70	25.24	2.37	33.94	26.48	2.40	36.28	27.10	2.43	37.40	30.12	2.44
	77	28.40	23.43	2.91	32.09	23.64	2.96	33.83	25.82	2.99	36.22	27.09	3.02	38.72	27.72	3.06	39.92	30.81	3.07
	87	28.08	23.42	3.52	31.73	23.62	3.58	33.45	25.80	3.61	35.81	27.07	3.65	38.28	27.70	3.69	39.46	30.79	3.71
	95	27.75	23.40	4.13	31.36	23.61	4.20	33.06	25.78	4.23	35.40	27.06	4.28	37.84	27.68	4.33	39.01	30.77	4.35
	104	21.98	20.64	3.22	24.84	20.82	3.28	26.19	22.74	3.30	28.04	23.86	3.34	29.97	24.42	3.38	30.90	27.14	3.40
	115	16.21	16.19	2.32	18.32	17.32	2.36	19.31	18.91	2.38	20.67	19.85	2.40	22.10	20.31	2.43	22.78	22.57	2.44

		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	7.74	6.79	1.18	8.74	6.85	1.20	9.22	7.48	1.21	9.87	7.85	1.22	10.55	8.03	1.23	10.88	8.93	1.24
	-5.0	7.53	6.71	1.37	8.51	6.77	1.39	8.97	7.40	1.41	9.60	7.76	1.42	10.27	7.94	1.44	10.58	8.83	1.44
	0.0	7.51	6.63	1.56	8.49	6.69	1.59	8.95	7.31	1.60	9.58	7.67	1.62	10.24	7.85	1.64	10.56	8.72	1.65
	5.0	7.35	6.58	1.93	8.31	6.64	1.97	8.76	7.25	1.98	9.38	7.61	2.01	10.02	7.79	2.03	10.33	8.66	2.04
	10.0	7.34	6.57	1.92	8.30	6.63	1.96	8.75	7.24	1.97	9.37	7.60	1.99	10.01	7.77	2.02	10.32	8.64	2.03
	15.0	7.27	6.56	1.91	8.22	6.62	1.95	8.66	7.23	1.96	9.28	7.58	1.98	9.92	7.76	2.01	10.22	8.62	2.02
	19.4	7.80	6.71	2.31	8.81	6.77	2.35	9.29	7.40	2.37	9.95	7.76	2.40	10.63	7.94	2.43	10.96	8.83	2.44
	25.0	8.32	6.87	2.91	9.41	6.93	2.96	9.92	7.57	2.99	10.62	7.94	3.02	11.35	8.12	3.06	11.70	9.03	3.07
	30.6	8.23	6.86	3.52	9.30	6.92	3.58	9.80	7.56	3.61	10.50	7.93	3.65	11.22	8.12	3.69	11.57	9.02	3.71
	35.0	8.13	6.86	4.13	9.19	6.92	4.20	9.69	7.56	4.23	10.38	7.93	4.28	11.09	8.11	4.33	11.43	9.02	4.35
	40.0	6.44	6.05	3.22	7.28	6.10	3.28	7.67	6.67	3.30	8.22	6.99	3.34	8.78	7.16	3.38	9.06	7.95	3.40
	46.1	4.75	4.75	2.32	5.37	5.08	2.36	5.66	5.54	2.38	6.06	5.82	2.40	6.48	5.95	2.43	6.68	6.61	2.44

● Indoor units: 7,000 Btu + 7,000 Btu + 24,000 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	27.59	24.22	1.23	31.18	24.43	1.25	32.87	26.69	1.26	35.19	28.00	1.28	37.62	28.65	1.29	38.78	31.84	1.30
	23	26.85	23.94	1.43	30.34	24.15	1.46	31.99	26.38	1.47	34.25	27.68	1.49	36.61	28.32	1.50	37.74	31.47	1.51
	32	26.79	23.66	1.64	30.27	23.87	1.66	31.91	26.07	1.68	34.17	27.35	1.70	36.53	27.99	1.72	37.65	31.10	1.73
	41	26.22	23.48	2.02	29.63	23.68	2.06	31.23	25.87	2.08	33.44	27.14	2.10	35.75	27.77	2.12	36.85	30.87	2.14
	50	26.19	23.44	2.01	29.59	23.64	2.05	31.20	25.82	2.07	33.40	27.10	2.09	35.71	27.72	2.11	36.81	30.81	2.12
	59	25.94	23.40	2.00	29.31	23.60	2.04	30.90	25.77	2.05	33.08	27.05	2.08	35.36	27.67	2.10	36.46	30.76	2.11
	67	27.81	23.94	2.42	31.43	24.15	2.46	33.13	26.38	2.48	35.47	27.68	2.51	37.92	28.32	2.54	39.09	31.48	2.55
	77	29.68	24.49	3.05	33.54	24.71	3.10	35.36	26.98	3.13	37.86	28.32	3.16	40.47	28.97	3.20	41.72	32.20	3.22
	87	29.35	24.48	3.68	33.16	24.69	3.75	34.96	26.97	3.78	37.43	28.30	3.82	40.01	28.95	3.87	41.25	32.18	3.89
	95	29.01	24.46	4.32	32.78	24.68	4.39	34.56	26.95	4.43	37.00	28.28	4.48	39.55	28.93	4.53	40.77	32.16	4.56
	104	22.97	21.58	3.37	25.96	21.76	3.43	27.37	23.77	3.46	29.30	24.94	3.50	31.33	25.52	3.54	32.29	28.36	3.56
	115	16.94	16.93	2.42	19.14	18.10	2.47	20.18	19.77	2.49	21.61	20.74	2.51	23.10	21.22	2.54	23.81	23.59	2.56

		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	8.09	7.10	1.23	9.14	7.16	1.25	9.63	7.82	1.26	10.31	8.21	1.28	11.03	8.40	1.29	11.37	9.33	1.30
	-5.0	7.87	7.02	1.43	8.89	7.08	1.46	9.37	7.73	1.47	10.04	8.11	1.49	10.73	8.30	1.50	11.06	9.22	1.51
	0.0	7.85	6.93	1.64	8.87	6.99	1.66	9.35	7.64	1.68	10.01	8.02	1.70	10.71	8.20	1.72	11.04	9.12	1.73
	5.0	7.68	6.88	2.02	8.68	6.94	2.06	9.15	7.58	2.08	9.80	7.96	2.10	10.48	8.14	2.12	10.80	9.05	2.14
	10.0	7.67	6.87	2.01	8.67	6.93	2.05	9.14	7.57	2.07	9.79	7.94	2.09	10.46	8.13	2.11	10.79	9.03	2.12
	15.0	7.60	6.86	2.00	8.59	6.92	2.04	9.06	7.55	2.05	9.70	7.93	2.08	10.36	8.11	2.10	10.68	9.01	2.11
	19.4	8.15	7.02	2.42	9.21	7.08	2.46	9.71	7.73	2.48	10.40	8.11	2.51	11.11	8.30	2.54	11.46	9.23	2.55
	25.0	8.70	7.18	3.05	9.83	7.24	3.10	10.36	7.91	3.13	11.10	8.30	3.16	11.86	8.49	3.20	12.23	9.44	3.22
	30.6	8.60	7.17	3.68	9.72	7.24	3.75	10.25	7.90	3.78	10.97	8.29	3.82	11.73	8.49	3.87	12.09	9.43	3.89
	35.0	8.50	7.17	4.32	9.61	7.23	4.39	10.13	7.90	4.43	10.84	8.29	4.48	11.59	8.48	4.53	11.95	9.42	4.56
	40.0	6.73	6.32	3.37	7.61	6.38	3.43	8.02	6.97	3.46	8.59	7.31	3.50	9.18	7.48	3.54	9.46	8.31	3.56
	46.1	4.96	4.96	2.42	5.61	5.30	2.47	5.91	5.79	2.49	6.33	6.08	2.51	6.77	6.22	2.54	6.98	6.91	2.56

● Indoor units: 7,000 Btu + 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	23.64	20.75	1.06	26.72	20.93	1.08	28.16	22.86	1.09	30.15	23.99	1.10	32.23	24.55	1.11	33.23	27.28	1.12
	23	23.00	20.51	1.23	26.00	20.69	1.25	27.40	22.60	1.26	29.34	23.71	1.28	31.37	24.26	1.29	32.33	26.96	1.30
	32	22.95	20.27	1.41	25.94	20.45	1.43	27.34	22.33	1.44	29.27	23.43	1.46	31.29	23.98	1.48	32.26	26.65	1.48
	41	22.46	20.12	1.74	25.38	20.29	1.77	26.76	22.16	1.78	28.65	23.26	1.80	30.63	23.79	1.83	31.57	26.44	1.84
	50	22.44	20.08	1.73	25.35	20.26	1.76	26.73	22.12	1.77	28.62	23.22	1.79	30.59	23.75	1.81	31.54	26.40	1.82
	59	22.22	20.04	1.72	25.11	20.22	1.75	26.47	22.08	1.76	28.34	23.17	1.78	30.30	23.71	1.80	31.23	26.35	1.81
	67	23.83	20.51	2.08	26.93	20.69	2.12	28.38	22.60	2.13	30.39	23.72	2.16	32.49	24.27	2.18	33.49	26.97	2.19
	77	25.43	20.98	2.62	28.74	21.17	2.67	30.30	23.12	2.69	32.44	24.26	2.72	34.68	24.82	2.75	35.75	27.59	2.76
	87	25.14	20.97	3.17	28.41	21.15	3.22	29.95	23.10	3.25	32.07	24.24	3.28	34.28	24.81	3.32	35.34	27.57	3.34
	95	24.85	20.96	3.71	28.09	21.14	3.78	29.61	23.09	3.81	31.70	24.23	3.85	33.89	24.79	3.89	34.93	27.55	3.92
	104	19.68	18.48	2.90	22.24	18.65	2.95	23.45	20.37	2.97	25.11	21.37	3.01	26.84	21.86	3.04	27.67	24.30	3.06
	115	14.51	14.50	2.08	16.40	15.51	2.12	17.29	16.94	2.14	18.51	17.77	2.16	19.79	18.18	2.19	20.40	20.21	2.20

		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	6.93	6.08	1.06	7.83	6.14	1.08	8.25	6.70	1.09	8.84	7.03	1.10	9.45	7.19	1.11	9.74	8.00	1.12
	-5.0	6.74	6.01	1.23	7.62	6.06	1.25	8.03	6.62	1.26	8.60	6.95	1.28	9.19	7.11	1.29	9.48	7.90	1.30
	0.0	6.73	5.94	1.41	7.60	5.99	1.43	8.01	6.55	1.44	8.58	6.87	1.46	9.17	7.03	1.48	9.45	7.81	1.48
	5.0	6.58	5.90	1.74	7.44	5.95	1.77	7.84	6.50	1.78	8.40	6.82	1.80	8.98	6.97	1.83	9.25	7.75	1.84
	10.0	6.58	5.89	1.73	7.43	5.94	1.76	7.83	6.48	1.77	8.39	6.80	1.79	8.97	6.96	1.81	9.24	7.74	1.82
	15.0	6.51	5.87	1.72	7.36	5.93	1.75	7.76	6.47	1.76	8.31	6.79	1.78	8.88	6.95	1.80	9.15	7.72	1.81
	19.4	6.98	6.01	2.08	7.89	6.06	2.12	8.32	6.62	2.13	8.91	6.95	2.16	9.52	7.11	2.18	9.82	7.90	2.19
	25.0	7.45	6.15	2.62	8.42	6.20	2.67	8.88	6.78	2.69	9.51	7.11	2.72	10.16	7.27	2.75	10.48	8.08	2.76
	30.6	7.37	6.15	3.17	8.33	6.20	3.22	8.78	6.77	3.25	9.40	7.11	3.28	10.05	7.27	3.32	10.36	8.08	3.34
	35.0	7.28	6.14	3.71	8.23	6.20	3.78	8.68	6.77	3.81	9.29	7.10	3.85	9.93	7.27	3.89	10.24	8.07	3.92
	40.0	5.77	5.42	2.90	6.52	5.47	2.95	6.87	5.97	2.97	7.36	6.26	3.01	7.87	6.41	3.04	8.11	7.12	3.06
	46.1	4.25	4.25	2.08	4.81	4.54	2.12	5.07	4.96	2.14	5.43	5.21	2.16	5.80	5.33	2.19	5.98	5.92	2.20

● Indoor units: 7,000 Btu + 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	26.03	22.85	1.09	29.41	23.05	1.10	31.01	25.17	1.11	33.20	26.41	1.13	35.49	27.03	1.14	36.58	30.04	1.15
	23	25.33	22.58	1.26	28.62	22.78	1.29	30.17	24.88	1.30	32.30	26.11	1.31	34.53	26.71	1.33	35.60	29.69	1.33
	32	25.27	22.32	1.44	28.55	22.51	1.47	30.10	24.59	1.48	32.23	25.80	1.50	34.45	26.40	1.51	35.52	29.34	1.52
	41	24.73	22.15	1.78	27.95	22.34	1.82	29.46	24.40	1.83	31.54	25.60	1.85	33.72	26.20	1.87	34.76	29.11	1.88
	50	24.70	22.11	1.77	27.91	22.30	1.81	29.43	24.36	1.82	31.50	25.56	1.84	33.68	26.15	1.86	34.72	29.06	1.87
	59	24.46	22.07	1.76	27.65	22.26	1.80	29.15	24.31	1.81	31.20	25.51	1.83	33.36	26.10	1.85	34.39	29.01	1.86
	67	26.23	22.58	2.13	29.64	22.78	2.17	31.25	24.88	2.19	33.46	26.11	2.21	35.77	26.71	2.24	36.87	29.69	2.25
	77	28.00	23.10	2.69	31.64	23.30	2.74	33.35	25.45	2.76	35.71	26.71	2.79	38.18	27.33	2.82	39.35	30.37	2.84
	87	27.68	23.09	3.25	31.28	23.29	3.31	32.98	25.44	3.33	35.31	26.69	3.37	37.74	27.31	3.41	38.91	30.35	3.43
	95	27.36	23.07	3.81	30.92	23.27	3.87	32.60	25.42	3.91	34.90	26.67	3.95	37.31	27.29	4.00	38.46	30.33	4.02
	104	21.67	20.35	2.97	24.49	20.53	3.02	25.82	22.42	3.05	27.64	23.53	3.08	29.55	24.07	3.12	30.46	26.75	3.14
	115	15.98	15.97	2.14	18.06	17.07	2.17	19.04	18.65	2.19	20.38	19.57	2.22	21.79	20.02	2.24	22.46	22.25	2.25

		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	7.63	6.70	1.09	8.62	6.75	1.10	9.09	7.38	1.11	9.73	7.74	1.13	10.40	7.92	1.14	10.72	8.80	1.15
	-5.0	7.42	6.62	1.26	8.39	6.68	1.29	8.84	7.29	1.30	9.47	7.65	1.31	10.12	7.83	1.33	10.43	8.70	1.33
	0.0	7.41	6.54	1.44	8.37	6.60	1.47	8.82	7.21	1.48	9.45	7.56	1.50	10.10	7.74	1.51	10.41	8.60	1.52
	5.0	7.25	6.49	1.78	8.19	6.55	1.82	8.63	7.15	1.83	9.24	7.50	1.85	9.88	7.68	1.87	10.19	8.53	1.88
	10.0	7.24	6.48	1.77	8.18	6.54	1.81	8.62	7.14	1.82	9.23	7.49	1.84	9.87	7.66	1.86	10.18	8.52	1.87
	15.0	7.17	6.47	1.76	8.10	6.52	1.80	8.54	7.13	1.81	9.15	7.48	1.83	9.78	7.65	1.85	10.08	8.50	1.86
	19.4	7.69	6.62	2.13	8.69	6.68	2.17	9.16	7.29	2.19	9.81	7.65	2.21	10.48	7.83	2.24	10.81	8.70	2.25
	25.0	8.21	6.77	2.69	9.27	6.83	2.74	9.78	7.46	2.76	10.47	7.83	2.79	11.19	8.01	2.82	11.53	8.90	2.84
	30.6	8.11	6.77	3.25	9.17	6.83	3.31	9.66	7.45	3.33	10.35	7.82	3.37	11.06	8.00	3.41	11.40	8.90	3.43
	35.0	8.02	6.76	3.81	9.06	6.82	3.87	9.55	7.45	3.91	10.23	7.82	3.95	10.93	8.00	4.00	11.27	8.89	4.02
	40.0	6.35	5.96	2.97	7.18	6.02	3.02	7.57	6.57	3.05	8.10	6.90	3.08	8.66	7.06	3.12	8.93	7.84	3.14
	46.1	4.68	4.68	2.14	5.29	5.00	2.17	5.58	5.46	2.19	5.97	5.73	2.22	6.39	5.87	2.24	6.58	6.52	2.25

● Indoor units: 7,000 Btu + 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	27.14	23.83	1.21	30.68	24.04	1.23	32.34	26.25	1.24	34.62	27.55	1.26	37.01	28.19	1.27	38.15	31.33	1.28
	23	26.41	23.55	1.41	29.85	23.76	1.44	31.47	25.95	1.45	33.69	27.23	1.46	36.02	27.86	1.48	37.13	30.96	1.49
	32	26.35	23.28	1.61	29.78	23.48	1.64	31.40	25.64	1.65	33.61	26.91	1.67	35.93	27.53	1.69	37.04	30.60	1.70
	41	25.79	23.10	1.99	29.15	23.30	2.03	30.73	25.45	2.04	32.90	26.70	2.07	35.17	27.32	2.09	36.25	30.37	2.10
	50	25.76	23.06	1.98	29.11	23.26	2.02	30.69	25.40	2.03	32.86	26.66	2.06	35.13	27.28	2.08	36.21	30.31	2.09
	59	25.52	23.02	1.97	28.84	23.22	2.00	30.40	25.36	2.02	32.55	26.61	2.04	34.79	27.22	2.07	35.87	30.26	2.08
	67	27.36	23.56	2.38	30.92	23.76	2.43	32.59	25.95	2.45	34.90	27.23	2.47	37.30	27.86	2.50	38.46	30.97	2.51
	77	29.20	24.10	3.00	33.00	24.31	3.05	34.79	26.55	3.08	37.25	27.86	3.11	39.82	28.50	3.15	41.05	31.68	3.17
	87	28.87	24.08	3.63	32.63	24.29	3.69	34.39	26.53	3.72	36.82	27.84	3.76	39.36	28.48	3.80	40.58	31.66	3.83
	95	28.54	24.06	4.25	32.25	24.27	4.33	34.00	26.51	4.36	36.40	27.82	4.41	38.91	28.46	4.46	40.11	31.64	4.48
	104	22.60	21.23	3.32	25.54	21.41	3.38	26.93	23.38	3.40	28.83	24.54	3.44	30.82	25.11	3.48	31.77	27.90	3.50
	115	16.67	16.65	2.39	18.83	17.81	2.43	19.85	19.45	2.45	21.26	20.41	2.48	22.72	20.88	2.50	23.43	23.20	2.52

		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	7.96	6.98	1.21	8.99	7.05	1.23	9.48	7.69	1.24	10.15	8.07	1.26	10.85	8.26	1.27	11.18	9.18	1.28
	-5.0	7.74	6.90	1.41	8.75	6.96	1.44	9.22	7.61	1.45	9.87	7.98	1.46	10.56	8.17	1.48	10.88	9.07	1.49
	0.0	7.72	6.82	1.61	8.73	6.88	1.64	9.20	7.52	1.65	9.85	7.89	1.67	10.53	8.07	1.69	10.86	8.97	1.70
	5.0	7.56	6.77	1.99	8.54	6.83	2.03	9.01	7.46	2.04	9.64	7.83	2.07	10.31	8.01	2.09	10.63	8.90	2.10
	10.0	7.55	6.76	1.98	8.53	6.82	2.02	8.99	7.45	2.03	9.63	7.81	2.06	10.29	7.99	2.08	10.61	8.88	2.09
	15.0	7.48	6.75	1.97	8.45	6.80	2.00	8.91	7.43	2.02	9.54	7.80	2.04	10.20	7.98	2.07	10.51	8.87	2.08
	19.4	8.02	6.90	2.38	9.06	6.96	2.43	9.55	7.61	2.45	10.23	7.98	2.47	10.93	8.17	2.50	11.27	9.08	2.51
	25.0	8.56	7.06	3.00	9.67	7.12	3.05	10.20	7.78	3.08	10.92	8.16	3.11	11.67	8.35	3.15	12.03	9.28	3.17
	30.6	8.46	7.06	3.63	9.56	7.12	3.69	10.08	7.78	3.72	10.79	8.16	3.76	11.54	8.35	3.80	11.89	9.28	3.83
	35.0	8.36	7.05	4.25	9.45	7.11	4.33	9.96	7.77	4.36	10.67	8.15	4.41	11.40	8.34	4.46	11.76	9.27	4.48
	40.0	6.62	6.22	3.32	7.49	6.28	3.38	7.89	6.85	3.40	8.45	7.19	3.44	9.03	7.36	3.48	9.31	8.18	3.50
	46.1	4.88	4.88	2.39	5.52	5.22	2.43	5.82	5.70	2.45	6.23	5.98	2.48	6.66	6.12	2.50	6.87	6.80	2.52

● Indoor units: 7,000 Btu + 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	26.10	22.91	1.17	29.50	23.11	1.19	31.09	25.24	1.20	33.29	26.49	1.21	35.59	27.10	1.22	36.69	30.12	1.23
	23	25.40	22.65	1.36	28.70	22.85	1.38	30.26	24.95	1.39	32.40	26.18	1.41	34.63	26.79	1.42	35.70	29.77	1.43
	32	25.34	22.38	1.55	28.64	22.58	1.58	30.19	24.66	1.59	32.32	25.87	1.61	34.55	26.47	1.62	35.62	29.42	1.63
	41	24.80	22.21	1.92	28.03	22.40	1.95	29.55	24.47	1.97	31.63	25.68	1.99	33.82	26.27	2.01	34.86	29.20	2.02
	50	24.77	22.17	1.90	27.99	22.37	1.94	29.51	24.43	1.95	31.60	25.63	1.98	33.78	26.23	2.00	34.82	29.15	2.01
	59	24.53	22.13	1.89	27.73	22.32	1.93	29.23	24.38	1.94	31.29	25.59	1.96	33.45	26.18	1.99	34.49	29.09	2.00
	67	26.31	22.65	2.29	29.73	22.85	2.33	31.34	24.95	2.35	33.55	26.19	2.38	35.87	26.79	2.40	36.98	29.78	2.42
	77	28.08	23.17	2.89	31.73	23.37	2.94	33.45	25.53	2.96	35.81	26.78	2.99	38.29	27.40	3.03	39.47	30.46	3.04
	87	27.76	23.15	3.49	31.37	23.36	3.55	33.07	25.51	3.58	35.41	26.77	3.62	37.85	27.39	3.66	39.02	30.44	3.68
	95	27.44	23.14	4.09	31.01	23.34	4.16	32.69	25.49	4.19	35.00	26.75	4.24	37.42	27.37	4.29	38.57	30.42	4.31
	104	21.73	20.41	3.19	24.56	20.59	3.25	25.89	22.49	3.27	27.72	23.60	3.31	29.63	24.14	3.35	30.55	26.83	3.37
	115	16.02	16.01	2.29	18.11	17.12	2.33	19.09	18.70	2.35	20.44	19.62	2.38	21.85	20.08	2.41	22.52	22.31	2.42

		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	7.65	6.72	1.17	8.64	6.77	1.19	9.11	7.40	1.20	9.76	7.76	1.21	10.43	7.94	1.22	10.75	8.83	1.23
	-5.0	7.44	6.64	1.36	8.41	6.70	1.38	8.87	7.31	1.39	9.49	7.67	1.41	10.15	7.85	1.42	10.46	8.73	1.43
	0.0	7.43	6.56	1.55	8.39	6.62	1.58	8.85	7.23	1.59	9.47	7.58	1.61	10.13	7.76	1.62	10.44	8.62	1.63
	5.0	7.27	6.51	1.92	8.21	6.57	1.95	8.66	7.17	1.97	9.27	7.53	1.99	9.91	7.70	2.01	10.22	8.56	2.02
	10.0	7.26	6.50	1.90	8.20	6.56	1.94	8.65	7.16	1.95	9.26	7.51	1.98	9.90	7.69	2.00	10.20	8.54	2.01
	15.0	7.19	6.49	1.89	8.13	6.54	1.93	8.57	7.15	1.94	9.17	7.50	1.96	9.80	7.67	1.99	10.11	8.53	2.00
	19.4	7.71	6.64	2.29	8.71	6.70	2.33	9.19	7.31	2.35	9.83	7.67	2.38	10.51	7.85	2.40	10.84	8.73	2.42
	25.0	8.23	6.79	2.89	9.30	6.85	2.94	9.80	7.48	2.96	10.50	7.85	2.99	11.22	8.03	3.03	11.57	8.93	3.04
	30.6	8.14	6.79	3.49	9.19	6.85	3.55	9.69	7.48	3.58	10.38	7.85	3.62	11.09	8.03	3.66	11.44	8.92	3.68
	35.0	8.04	6.78	4.09	9.09	6.84	4.16	9.58	7.47	4.19	10.26	7.84	4.24	10.97	8.02	4.29	11.30	8.92	4.31
	40.0	6.37	5.98	3.19	7.20	6.03	3.25	7.59	6.59	3.27	8.12	6.92	3.31	8.68	7.08	3.35	8.95	7.86	3.37
	46.1	4.70	4.69	2.29	5.31	5.02	2.33	5.60	5.48	2.35	5.99	5.75	2.38	6.40	5.88	2.41	6.60	6.54	2.42

● Indoor units: 7,000 Btu + 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	26.85	23.57	1.12	30.34	23.77	1.14	31.98	25.97	1.15	34.24	27.25	1.16	36.61	27.88	1.18	37.74	30.98	1.18
	23	26.12	23.29	1.31	29.52	23.50	1.33	31.12	25.66	1.34	33.32	26.93	1.35	35.62	27.55	1.37	36.72	30.62	1.38
	32	26.06	23.02	1.49	29.45	23.22	1.52	31.05	25.36	1.53	33.24	26.61	1.55	35.54	27.23	1.56	36.64	30.26	1.57
	41	25.51	22.84	1.84	28.83	23.04	1.88	30.39	25.17	1.89	32.54	26.41	1.91	34.78	27.02	1.93	35.86	30.03	1.94
	50	25.48	22.81	1.83	28.79	23.00	1.87	30.35	25.13	1.88	32.50	26.37	1.90	34.74	26.98	1.92	35.81	29.98	1.93
	59	25.24	22.76	1.82	28.52	22.96	1.85	30.06	25.08	1.87	32.19	26.32	1.89	34.41	26.93	1.91	35.47	29.92	1.92
	67	27.06	23.30	2.20	30.58	23.50	2.24	32.23	25.67	2.26	34.51	26.93	2.29	36.89	27.56	2.31	38.03	30.63	2.33
	77	28.88	23.83	2.78	32.64	24.04	2.83	34.41	26.25	2.85	36.84	27.55	2.88	39.38	28.19	2.91	40.59	31.33	2.93
	87	28.55	23.82	3.35	32.27	24.02	3.41	34.02	26.24	3.44	36.42	27.53	3.48	38.93	28.17	3.52	40.13	31.31	3.54
	95	28.22	23.80	3.93	31.90	24.01	4.00	33.62	26.22	4.04	36.00	27.52	4.08	38.48	28.15	4.13	39.67	31.29	4.15
	104	22.35	20.99	3.07	25.26	21.18	3.12	26.63	23.13	3.15	28.51	24.27	3.18	30.48	24.83	3.22	31.42	27.60	3.24
	115	16.48	16.47	2.21	18.63	17.61	2.25	19.64	19.23	2.26	21.02	20.18	2.29	22.47	20.65	2.32	23.17	22.95	2.33

		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	7.87	6.91	1.12	8.89	6.97	1.14	9.37	7.61	1.15	10.04	7.99	1.16	10.73	8.17	1.18	11.06	9.08	1.18
	-5.0	7.66	6.83	1.31	8.65	6.89	1.33	9.12	7.52	1.34	9.77	7.89	1.35	10.44	8.08	1.37	10.76	8.97	1.38
	0.0	7.64	6.75	1.49	8.63	6.81	1.52	9.10	7.43	1.53	9.74	7.80	1.55	10.42	7.98	1.56	10.74	8.87	1.57
	5.0	7.48	6.70	1.84	8.45	6.75	1.88	8.91	7.38	1.89	9.54	7.74	1.91	10.19	7.92	1.93	10.51	8.80	1.94
	10.0	7.47	6.68	1.83	8.44	6.74	1.87	8.90	7.36	1.88	9.52	7.73	1.90	10.18	7.91	1.92	10.50	8.79	1.93
	15.0	7.40	6.67	1.82	8.36	6.73	1.85	8.81	7.35	1.87	9.43	7.71	1.89	10.08	7.89	1.91	10.40	8.77	1.92
	19.4	7.93	6.83	2.20	8.96	6.89	2.24	9.45	7.52	2.26	10.12	7.89	2.29	10.81	8.08	2.31	11.15	8.98	2.33
	25.0	8.46	6.98	2.78	9.57	7.05	2.83	10.08	7.69	2.85	10.80	8.07	2.88	11.54	8.26	2.91	11.90	9.18	2.93
	30.6	8.37	6.98	3.35	9.46	7.04	3.41	9.97	7.69	3.44	10.67	8.07	3.48	11.41	8.26	3.52	11.76	9.18	3.54
	35.0	8.27	6.98	3.93	9.35	7.04	4.00	9.85	7.68	4.04	10.55	8.06	4.08	11.28	8.25	4.13	11.63	9.17	4.15
	40.0	6.55	6.15	3.07	7.40	6.21	3.12	7.80	6.78	3.15	8.36	7.11	3.18	8.93	7.28	3.22	9.21	8.09	3.24
	46.1	4.83	4.83	2.21	5.46	5.16	2.25	5.75	5.64	2.26	6.16	5.92	2.29	6.59	6.05	2.32	6.79	6.73	2.33

● Indoor units: 7,000 Btu + 12,000 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	27.59	24.22	1.23	31.18	24.43	1.25	32.87	26.69	1.26	35.19	28.00	1.28	37.62	28.65	1.29	38.78	31.84	1.30
	23	26.85	23.94	1.43	30.34	24.15	1.46	31.99	26.38	1.47	34.25	27.68	1.49	36.61	28.32	1.50	37.74	31.47	1.51
	32	26.79	23.66	1.64	30.27	23.87	1.66	31.91	26.07	1.68	34.17	27.35	1.70	36.53	27.99	1.72	37.65	31.10	1.73
	41	26.22	23.48	2.02	29.63	23.68	2.06	31.23	25.87	2.08	33.44	27.14	2.10	35.75	27.77	2.12	36.85	30.87	2.14
	50	26.19	23.44	2.01	29.59	23.64	2.05	31.20	25.82	2.07	33.40	27.10	2.09	35.71	27.72	2.11	36.81	30.81	2.12
	59	25.94	23.40	2.00	29.31	23.60	2.04	30.90	25.77	2.05	33.08	27.05	2.08	35.36	27.67	2.10	36.46	30.76	2.11
	67	27.81	23.94	2.42	31.43	24.15	2.46	33.13	26.38	2.48	35.47	27.68	2.51	37.92	28.32	2.54	39.09	31.48	2.55
	77	29.68	24.49	3.05	33.54	24.71	3.10	35.36	26.98	3.13	37.86	28.32	3.16	40.47	28.97	3.20	41.72	32.20	3.22
	87	29.35	24.48	3.68	33.16	24.69	3.75	34.96	26.97	3.78	37.43	28.30	3.82	40.01	28.95	3.87	41.25	32.18	3.89
	95	29.01	24.46	4.32	32.78	24.68	4.39	34.56	26.95	4.43	37.00	28.28	4.48	39.55	28.93	4.53	40.77	32.16	4.56
	104	22.97	21.58	3.37	25.96	21.76	3.43	27.37	23.77	3.46	29.30	24.94	3.50	31.33	25.52	3.54	32.29	28.36	3.56
	115	16.94	16.93	2.42	19.14	18.10	2.47	20.18	19.77	2.49	21.61	20.74	2.51	23.10	21.22	2.54	23.81	23.59	2.56

		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	8.09	7.10	1.23	9.14	7.16	1.25	9.63	7.82	1.26	10.31	8.21	1.28	11.03	8.40	1.29	11.37	9.33	1.30
	-5.0	7.87	7.02	1.43	8.89	7.08	1.46	9.37	7.73	1.47	10.04	8.11	1.49	10.73	8.30	1.50	11.06	9.22	1.51
	0.0	7.85	6.93	1.64	8.87	6.99	1.66	9.35	7.64	1.68	10.01	8.02	1.70	10.71	8.20	1.72	11.04	9.12	1.73
	5.0	7.68	6.88	2.02	8.68	6.94	2.06	9.15	7.58	2.08	9.80	7.96	2.10	10.48	8.14	2.12	10.80	9.05	2.14
	10.0	7.67	6.87	2.01	8.67	6.93	2.05	9.14	7.57	2.07	9.79	7.94	2.09	10.46	8.13	2.11	10.79	9.03	2.12
	15.0	7.60	6.86	2.00	8.59	6.92	2.04	9.06	7.55	2.05	9.70	7.93	2.08	10.36	8.11	2.10	10.68	9.01	2.11
	19.4	8.15	7.02	2.42	9.21	7.08	2.46	9.71	7.73	2.48	10.40	8.11	2.51	11.11	8.30	2.54	11.46	9.23	2.55
	25.0	8.70	7.18	3.05	9.83	7.24	3.10	10.36	7.91	3.13	11.10	8.30	3.16	11.86	8.49	3.20	12.23	9.44	3.22
	30.6	8.60	7.17	3.68	9.72	7.24	3.75	10.25	7.90	3.78	10.97	8.29	3.82	11.73	8.49	3.87	12.09	9.43	3.89
	35.0	8.50	7.17	4.32	9.61	7.23	4.39	10.13	7.90	4.43	10.84	8.29	4.48	11.59	8.48	4.53	11.95	9.42	4.56
	40.0	6.73	6.32	3.37	7.61	6.38	3.43	8.02	6.97	3.46	8.59	7.31	3.50	9.18	7.48	3.54	9.46	8.31	3.56
	46.1	4.96	4.96	2.42	5.61	5.30	2.47	5.91	5.79	2.49	6.33	6.08	2.51	6.77	6.22	2.54	6.98	6.91	2.56

● 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	22.82	20.03	1.02	25.79	20.21	1.03	27.19	22.07	1.04	29.11	23.16	1.05	31.11	23.70	1.07	32.07	26.34	1.07
	23	22.21	19.80	1.18	25.09	19.97	1.20	26.45	21.81	1.21	28.32	22.89	1.23	30.28	23.42	1.24	31.21	26.03	1.25
	32	22.15	19.57	1.35	25.04	19.74	1.37	26.39	21.56	1.39	28.26	22.62	1.40	30.21	23.15	1.42	31.14	25.72	1.43
	41	21.68	19.42	1.67	24.50	19.59	1.70	25.83	21.39	1.72	27.66	22.45	1.73	29.56	22.97	1.75	30.48	25.53	1.76
	50	21.66	19.38	1.66	24.47	19.55	1.69	25.80	21.36	1.71	27.62	22.41	1.72	29.53	22.93	1.74	30.44	25.48	1.75
	59	21.45	19.35	1.65	24.24	19.52	1.68	25.55	21.32	1.70	27.36	22.37	1.71	29.25	22.89	1.73	30.15	25.44	1.74
	67	23.00	19.80	2.00	25.99	19.98	2.03	27.40	21.82	2.05	29.34	22.89	2.07	31.36	23.42	2.10	32.33	26.03	2.11
	77	24.55	20.26	2.52	27.74	20.43	2.56	29.25	22.32	2.58	31.31	23.42	2.61	33.47	23.96	2.64	34.51	26.63	2.66
	87	24.27	20.24	3.04	27.43	20.42	3.10	28.91	22.30	3.12	30.96	23.40	3.16	33.09	23.94	3.19	34.11	26.61	3.21
	95	23.99	20.23	3.57	27.11	20.41	3.63	28.58	22.29	3.66	30.60	23.39	3.70	32.71	23.93	3.74	33.72	26.59	3.76
	104	19.00	17.84	2.78	21.47	18.00	2.83	22.64	19.66	2.86	24.23	20.63	2.89	25.91	21.11	2.92	26.71	23.46	2.94
	115	14.01	14.00	2.00	15.83	14.97	2.04	16.69	16.35	2.05	17.87	17.16	2.08	19.10	17.55	2.10	19.69	19.51	2.11

		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	6.69	5.87	1.02	7.56	5.92	1.03	7.97	6.47	1.04	8.53	6.79	1.05	9.12	6.94	1.07	9.40	7.72	1.07
	-5.0	6.51	5.80	1.18	7.35	5.85	1.20	7.75	6.39	1.21	8.30	6.71	1.23	8.87	6.86	1.24	9.15	7.63	1.25
	0.0	6.49	5.73	1.35	7.34	5.78	1.37	7.74	6.32	1.39	8.28	6.63	1.40	8.85	6.78	1.42	9.13	7.54	1.43
	5.0	6.35	5.69	1.67	7.18	5.74	1.70	7.57	6.27	1.72	8.11	6.58	1.73	8.66	6.73	1.75	8.93	7.48	1.76
	10.0	6.35	5.68	1.66	7.17	5.73	1.69	7.56	6.26	1.71	8.10	6.57	1.72	8.65	6.72	1.74	8.92	7.47	1.75
	15.0	6.29	5.67	1.65	7.10	5.72	1.68	7.49	6.25	1.70	8.02	6.56	1.71	8.57	6.71	1.73	8.84	7.45	1.74
	19.4	6.74	5.80	2.00	7.62	5.85	2.03	8.03	6.39	2.05	8.60	6.71	2.07	9.19	6.86	2.10	9.47	7.63	2.11
	25.0	7.19	5.94	2.52	8.13	5.99	2.56	8.57	6.54	2.58	9.18	6.86	2.61	9.81	7.02	2.64	10.11	7.80	2.66
	30.6	7.11	5.93	3.04	8.04	5.98	3.10	8.47	6.54	3.12	9.07	6.86	3.16	9.70	7.02	3.19	10.00	7.80	3.21
	35.0	7.03	5.93	3.57	7.95	5.98	3.63	8.38	6.53	3.66	8.97	6.85	3.70	9.59	7.01	3.74	9.88	7.79	3.76
	40.0	5.57	5.23	2.78	6.29	5.28	2.83	6.63	5.76	2.86	7.10	6.05	2.89	7.59	6.19	2.92	7.83	6.87	2.94
	46.1	4.11	4.10	2.00	4.64	4.39	2.04	4.89	4.79	2.05	5.24	5.03	2.08	5.60	5.14	2.10	5.77	5.72	2.11

● Indoor units: 9,000 Btu + 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	25.28	22.19	1.13	28.57	22.39	1.15	30.12	24.45	1.16	32.25	25.66	1.17	34.47	26.25	1.18	35.53	29.18	1.19
	23	24.60	21.94	1.31	27.80	22.13	1.34	29.31	24.17	1.35	31.38	25.36	1.36	33.54	25.95	1.38	34.58	28.84	1.38
	32	24.54	21.68	1.50	27.74	21.87	1.52	29.24	23.88	1.54	31.31	25.06	1.55	33.47	25.64	1.57	34.50	28.50	1.58
	41	24.02	21.51	1.85	27.15	21.70	1.89	28.62	23.70	1.90	30.64	24.87	1.92	32.75	25.45	1.94	33.76	28.28	1.95
	50	23.99	21.48	1.84	27.11	21.66	1.87	28.58	23.66	1.89	30.60	24.83	1.91	32.71	25.40	1.93	33.72	28.23	1.94
	59	23.76	21.44	1.83	26.86	21.62	1.86	28.31	23.62	1.88	30.31	24.78	1.90	32.40	25.35	1.92	33.40	28.18	1.93
	67	25.48	21.94	2.22	28.79	22.13	2.25	30.35	24.17	2.27	32.50	25.36	2.30	34.74	25.95	2.32	35.81	28.84	2.34
	77	27.20	22.44	2.79	30.73	22.64	2.84	32.40	24.72	2.86	34.69	25.94	2.89	37.08	26.54	2.93	38.23	29.50	2.94
	87	26.89	22.43	3.37	30.38	22.62	3.43	32.03	24.71	3.46	34.29	25.93	3.50	36.66	26.53	3.54	37.79	29.48	3.56
	95	26.58	22.41	3.95	30.04	22.61	4.02	31.66	24.69	4.05	33.90	25.91	4.10	36.24	26.51	4.15	37.36	29.46	4.17
	104	21.05	19.77	3.09	23.79	19.94	3.14	25.08	21.78	3.17	26.85	22.85	3.20	28.70	23.38	3.24	29.59	25.99	3.25
	115	15.52	15.51	2.22	17.54	16.58	2.26	18.49	18.11	2.28	19.80	19.01	2.30	21.16	19.44	2.33	21.82	21.61	2.34

		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	7.41	6.50	1.13	8.37	6.56	1.15	8.83	7.17	1.16	9.45	7.52	1.17	10.10	7.69	1.18	10.41	8.55	1.19
	-5.0	7.21	6.43	1.31	8.15	6.49	1.34	8.59	7.08	1.35	9.20	7.43	1.36	9.83	7.60	1.38	10.13	8.45	1.38
	0.0	7.19	6.35	1.50	8.13	6.41	1.52	8.57	7.00	1.54	9.18	7.35	1.55	9.81	7.51	1.57	10.11	8.35	1.58
	5.0	7.04	6.30	1.85	7.96	6.36	1.89	8.39	6.95	1.90	8.98	7.29	1.92	9.60	7.46	1.94	9.90	8.29	1.95
	10.0	7.03	6.29	1.84	7.95	6.35	1.87	8.38	6.93	1.89	8.97	7.28	1.91	9.59	7.44	1.93	9.88	8.27	1.94
	15.0	6.96	6.28	1.83	7.87	6.34	1.86	8.30	6.92	1.88	8.88	7.26	1.90	9.50	7.43	1.92	9.79	8.26	1.93
	19.4	7.47	6.43	2.22	8.44	6.49	2.25	8.90	7.08	2.27	9.53	7.43	2.30	10.18	7.61	2.32	10.50	8.45	2.34
	25.0	7.97	6.58	2.79	9.01	6.63	2.84	9.50	7.25	2.86	10.17	7.60	2.89	10.87	7.78	2.93	11.20	8.65	2.94
	30.6	7.88	6.57	3.37	8.91	6.63	3.43	9.39	7.24	3.46	10.05	7.60	3.50	10.74	7.77	3.54	11.08	8.64	3.56
	35.0	7.79	6.57	3.95	8.80	6.63	4.02	9.28	7.24	4.05	9.94	7.59	4.10	10.62	7.77	4.15	10.95	8.63	4.17
	40.0	6.17	5.79	3.09	6.97	5.84	3.14	7.35	6.38	3.17	7.87	6.70	3.20	8.41	6.85	3.24	8.67	7.62	3.25
	46.1	4.55	4.55	2.22	5.14	4.86	2.26	5.42	5.31	2.28	5.80	5.57	2.30	6.20	5.70	2.33	6.39	6.33	2.34

● Indoor units: 9,000 Btu + 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	26.92	23.63	1.12	30.42	23.84	1.14	32.07	26.04	1.15	34.34	27.32	1.17	36.71	27.95	1.18	37.84	31.07	1.19
	23	26.20	23.36	1.31	29.60	23.56	1.33	31.21	25.73	1.34	33.41	27.01	1.36	35.72	27.63	1.37	36.82	30.71	1.38
	32	26.14	23.08	1.49	29.54	23.29	1.52	31.14	25.43	1.53	33.34	26.69	1.55	35.64	27.31	1.57	36.74	30.35	1.58
	41	25.58	22.91	1.85	28.91	23.11	1.88	30.47	25.24	1.90	32.63	26.48	1.92	34.88	27.10	1.94	35.96	30.12	1.95
	50	25.55	22.87	1.84	28.87	23.07	1.87	30.44	25.19	1.89	32.59	26.44	1.91	34.84	27.05	1.93	35.91	30.06	1.94
	59	25.31	22.83	1.83	28.60	23.03	1.86	30.15	25.15	1.87	32.28	26.39	1.90	34.50	27.00	1.92	35.57	30.01	1.93
	67	27.13	23.36	2.21	30.66	23.57	2.25	32.32	25.74	2.27	34.61	27.01	2.29	37.00	27.63	2.32	38.14	30.71	2.33
	77	28.96	23.90	2.78	32.73	24.11	2.83	34.50	26.33	2.86	36.94	27.63	2.89	39.49	28.27	2.92	40.71	31.41	2.94
	87	28.63	23.88	3.36	32.36	24.09	3.42	34.11	26.31	3.45	36.52	27.61	3.49	39.04	28.25	3.53	40.24	31.39	3.55
	95	28.30	23.87	3.94	31.98	24.07	4.01	33.72	26.29	4.05	36.10	27.59	4.09	38.59	28.23	4.14	39.78	31.37	4.16
	104	22.42	21.05	3.08	25.33	21.23	3.13	26.70	23.19	3.16	28.59	24.34	3.19	30.56	24.90	3.23	31.51	27.67	3.25
	115	16.53	16.51	2.21	18.68	17.66	2.25	19.69	19.29	2.27	21.08	20.24	2.30	22.54	20.71	2.32	23.23	23.01	2.33

		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	7.89	6.93	1.12	8.92	6.99	1.14	9.40	7.63	1.15	10.06	8.01	1.17	10.76	8.19	1.18	11.09	9.11	1.19
	-5.0	7.68	6.85	1.31	8.68	6.91	1.33	9.15	7.54	1.34	9.79	7.91	1.36	10.47	8.10	1.37	10.79	9.00	1.38
	0.0	7.66	6.77	1.49	8.66	6.82	1.52	9.13	7.45	1.53	9.77	7.82	1.55	10.44	8.00	1.57	10.77	8.89	1.58
	5.0	7.50	6.71	1.85	8.47	6.77	1.88	8.93	7.40	1.90	9.56	7.76	1.92	10.22	7.94	1.94	10.54	8.83	1.95
	10.0	7.49	6.70	1.84	8.46	6.76	1.87	8.92	7.38	1.89	9.55	7.75	1.91	10.21	7.93	1.93	10.53	8.81	1.94
	15.0	7.42	6.69	1.83	8.38	6.75	1.86	8.84	7.37	1.87	9.46	7.73	1.90	10.11	7.91	1.92	10.42	8.79	1.93
	19.4	7.95	6.85	2.21	8.99	6.91	2.25	9.47	7.54	2.27	10.14	7.92	2.29	10.84	8.10	2.32	11.18	9.00	2.33
	25.0	8.49	7.00	2.78	9.59	7.06	2.83	10.11	7.72	2.86	10.83	8.10	2.89	11.57	8.28	2.92	11.93	9.21	2.94
	30.6	8.39	7.00	3.36	9.48	7.06	3.42	10.00	7.71	3.45	10.70	8.09	3.49	11.44	8.28	3.53	11.80	9.20	3.55
	35.0	8.29	6.99	3.94	9.37	7.06	4.01	9.88	7.71	4.05	10.58	8.09	4.09	11.31	8.27	4.14	11.66	9.20	4.16
	40.0	6.57	6.17	3.08	7.42	6.22	3.13	7.83	6.80	3.16	8.38	7.13	3.19	8.96	7.30	3.23	9.23	8.11	3.25
	46.1	4.84	4.84	2.21	5.47	5.18	2.25	5.77	5.65	2.27	6.18	5.93	2.30	6.61	6.07	2.32	6.81	6.74	2.33

● Indoor units: 9,000 Btu + 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	27.59	24.22	1.23	31.18	24.43	1.25	32.87	26.69	1.26	35.19	28.00	1.28	37.62	28.65	1.29	38.78	31.84	1.30
	23	26.85	23.94	1.43	30.34	24.15	1.46	31.99	26.38	1.47	34.25	27.68	1.49	36.61	28.32	1.50	37.74	31.47	1.51
	32	26.79	23.66	1.64	30.27	23.87	1.66	31.91	26.07	1.68	34.17	27.35	1.70	36.53	27.99	1.72	37.65	31.10	1.73
	41	26.22	23.48	2.02	29.63	23.68	2.06	31.23	25.87	2.08	33.44	27.14	2.10	35.75	27.77	2.12	36.85	30.87	2.14
	50	26.19	23.44	2.01	29.59	23.64	2.05	31.20	25.82	2.07	33.40	27.10	2.09	35.71	27.72	2.11	36.81	30.81	2.12
	59	25.94	23.40	2.00	29.31	23.60	2.04	30.90	25.77	2.05	33.08	27.05	2.08	35.36	27.67	2.10	36.46	30.76	2.11
	67	27.81	23.94	2.42	31.43	24.15	2.46	33.13	26.38	2.48	35.47	27.68	2.51	37.92	28.32	2.54	39.09	31.48	2.55
	77	29.68	24.49	3.05	33.54	24.71	3.10	35.36	26.98	3.13	37.86	28.32	3.16	40.47	28.97	3.20	41.72	32.20	3.22
	87	29.35	24.48	3.68	33.16	24.69	3.75	34.96	26.97	3.78	37.43	28.30	3.82	40.01	28.95	3.87	41.25	32.18	3.89
	95	29.01	24.46	4.32	32.78	24.68	4.39	34.56	26.95	4.43	37.00	28.28	4.48	39.55	28.93	4.53	40.77	32.16	4.56
	104	22.97	21.58	3.37	25.96	21.76	3.43	27.37	23.77	3.46	29.30	24.94	3.50	31.33	25.52	3.54	32.29	28.36	3.56
	115	16.94	16.93	2.42	19.14	18.10	2.47	20.18	19.77	2.49	21.61	20.74	2.51	23.10	21.22	2.54	23.81	23.59	2.56

		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	8.09	7.10	1.23	9.14	7.16	1.25	9.63	7.82	1.26	10.31	8.21	1.28	11.03	8.40	1.29	11.37	9.33	1.30
	-5.0	7.87	7.02	1.43	8.89	7.08	1.46	9.37	7.73	1.47	10.04	8.11	1.49	10.73	8.30	1.50	11.06	9.22	1.51
	0.0	7.85	6.93	1.64	8.87	6.99	1.66	9.35	7.64	1.68	10.01	8.02	1.70	10.71	8.20	1.72	11.04	9.12	1.73
	5.0	7.68	6.88	2.02	8.68	6.94	2.06	9.15	7.58	2.08	9.80	7.96	2.10	10.48	8.14	2.12	10.80	9.05	2.14
	10.0	7.67	6.87	2.01	8.67	6.93	2.05	9.14	7.57	2.07	9.79	7.94	2.09	10.46	8.13	2.11	10.79	9.03	2.12
	15.0	7.60	6.86	2.00	8.59	6.92	2.04	9.06	7.55	2.05	9.70	7.93	2.08	10.36	8.11	2.10	10.68	9.01	2.11
	19.4	8.15	7.02	2.42	9.21	7.08	2.46	9.71	7.73	2.48	10.40	8.11	2.51	11.11	8.30	2.54	11.46	9.23	2.55
	25.0	8.70	7.18	3.05	9.83	7.24	3.10	10.36	7.91	3.13	11.10	8.30	3.16	11.86	8.49	3.20	12.23	9.44	3.22
	30.6	8.60	7.17	3.68	9.72	7.24	3.75	10.25	7.90	3.78	10.97	8.29	3.82	11.73	8.49	3.87	12.09	9.43	3.89
	35.0	8.50	7.17	4.32	9.61	7.23	4.39	10.13	7.90	4.43	10.84	8.29	4.48	11.59	8.48	4.53	11.95	9.42	4.56
	40.0	6.73	6.32	3.37	7.61	6.38	3.43	8.02	6.97	3.46	8.59	7.31	3.50	9.18	7.48	3.54	9.46	8.31	3.56
	46.1	4.96	4.96	2.42	5.61	5.30	2.47	5.91	5.79	2.49	6.33	6.08	2.51	6.77	6.22	2.54	6.98	6.91	2.56

● Indoor units: 9,000 Btu + 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	26.92	23.63	1.20	30.42	23.84	1.22	32.07	26.04	1.23	34.34	27.32	1.25	36.71	27.95	1.26	37.84	31.07	1.27
	23	26.20	23.36	1.40	29.60	23.56	1.42	31.21	25.73	1.43	33.41	27.01	1.45	35.72	27.63	1.47	36.82	30.71	1.48
	32	26.14	23.08	1.60	29.54	23.29	1.62	31.14	25.43	1.64	33.34	26.69	1.66	35.64	27.31	1.67	36.74	30.35	1.68
	41	25.58	22.91	1.97	28.91	23.11	2.01	30.47	25.24	2.03	32.63	26.48	2.05	34.88	27.10	2.07	35.96	30.12	2.08
	50	25.55	22.87	1.96	28.87	23.07	2.00	30.44	25.19	2.01	32.59	26.44	2.04	34.84	27.05	2.06	35.91	30.06	2.07
	59	25.31	22.83	1.95	28.60	23.03	1.99	30.15	25.15	2.00	32.28	26.39	2.03	34.50	27.00	2.05	35.57	30.01	2.06
	67	27.13	23.36	2.36	30.66	23.57	2.40	32.32	25.74	2.42	34.61	27.01	2.45	37.00	27.63	2.48	38.14	30.71	2.49
	77	28.96	23.90	2.97	32.73	24.11	3.03	34.50	26.33	3.05	36.94	27.63	3.09	39.49	28.27	3.12	40.71	31.41	3.14
	87	28.63	23.88	3.59	32.36	24.09	3.66	34.11	26.31	3.69	36.52	27.61	3.73	39.04	28.25	3.77	40.24	31.39	3.79
	95	28.30	23.87	4.21	31.98	24.07	4.29	33.72	26.29	4.32	36.10	27.59	4.37	38.59	28.23	4.42	39.78	31.37	4.44
	104	22.42	21.05	3.29	25.33	21.23	3.35	26.70	23.19	3.37	28.59	24.34	3.41	30.56	24.90	3.45	31.51	27.67	3.47
	115	16.53	16.51	2.36	18.68	17.66	2.41	19.69	19.29	2.43	21.08	20.24	2.45	22.54	20.71	2.48	23.23	23.01	2.49

		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	7.89	6.93	1.20	8.92	6.99	1.22	9.40	7.63	1.23	10.06	8.01	1.25	10.76	8.19	1.26	11.09	9.11	1.27
	-5.0	7.68	6.85	1.40	8.68	6.91	1.42	9.15	7.54	1.43	9.79	7.91	1.45	10.47	8.10	1.47	10.79	9.00	1.48
	0.0	7.66	6.77	1.60	8.66	6.82	1.62	9.13	7.45	1.64	9.77	7.82	1.66	10.44	8.00	1.67	10.77	8.89	1.68
	5.0	7.50	6.71	1.97	8.47	6.77	2.01	8.93	7.40	2.03	9.56	7.76	2.05	10.22	7.94	2.07	10.54	8.83	2.08
	10.0	7.49	6.70	1.96	8.46	6.76	2.00	8.92	7.38	2.01	9.55	7.75	2.04	10.21	7.93	2.06	10.53	8.81	2.07
	15.0	7.42	6.69	1.95	8.38	6.75	1.99	8.84	7.37	2.00	9.46	7.73	2.03	10.11	7.91	2.05	10.42	8.79	2.06
	19.4	7.95	6.85	2.36	8.99	6.91	2.40	9.47	7.54	2.42	10.14	7.92	2.45	10.84	8.10	2.48	11.18	9.00	2.49
	25.0	8.49	7.00	2.97	9.59	7.06	3.03	10.11	7.72	3.05	10.83	8.10	3.09	11.57	8.28	3.12	11.93	9.21	3.14
	30.6	8.39	7.00	3.59	9.48	7.06	3.66	10.00	7.71	3.69	10.70	8.09	3.73	11.44	8.28	3.77	11.80	9.20	3.79
	35.0	8.29	6.99	4.21	9.37	7.06	4.29	9.88	7.71	4.32	10.58	8.09	4.37	11.31	8.27	4.42	11.66	9.20	4.44
	40.0	6.57	6.17	3.29	7.42	6.22	3.35	7.83	6.80	3.37	8.38	7.13	3.41	8.96	7.30	3.45	9.23	8.11	3.47
	46.1	4.84	4.84	2.36	5.47	5.18	2.41	5.77	5.65	2.43	6.18	5.93	2.45	6.61	6.07	2.48	6.81	6.74	2.49

OUTDOOR UNIT
ROMH36AFXZJ

● Indoor units: 9,000 Btu + 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	27.59	24.22	1.15	31.18	24.43	1.17	32.87	26.69	1.18	35.19	28.00	1.19	37.62	28.65	1.21	38.78	31.84	1.22
	23	26.85	23.94	1.34	30.34	24.15	1.36	31.99	26.38	1.38	34.25	27.68	1.39	36.61	28.32	1.41	37.74	31.47	1.41
	32	26.79	23.66	1.53	30.27	23.87	1.56	31.91	26.07	1.57	34.17	27.35	1.59	36.53	27.99	1.61	37.65	31.10	1.61
	41	26.22	23.48	1.89	29.63	23.68	1.93	31.23	25.87	1.94	33.44	27.14	1.96	35.75	27.77	1.99	36.85	30.87	2.00
	50	26.19	23.44	1.88	29.59	23.64	1.92	31.20	25.82	1.93	33.40	27.10	1.95	35.71	27.72	1.98	36.81	30.81	1.99
	59	25.94	23.40	1.87	29.31	23.60	1.90	30.90	25.77	1.92	33.08	27.05	1.94	35.36	27.67	1.96	36.46	30.76	1.97
	67	27.81	23.94	2.26	31.43	24.15	2.30	33.13	26.38	2.32	35.47	27.68	2.35	37.92	28.32	2.38	39.09	31.48	2.39
	77	29.68	24.49	2.85	33.54	24.71	2.90	35.36	26.98	2.93	37.86	28.32	2.96	40.47	28.97	2.99	41.72	32.20	3.01
	87	29.35	24.48	3.45	33.16	24.69	3.51	34.96	26.97	3.53	37.43	28.30	3.57	40.01	28.95	3.62	41.25	32.18	3.63
	95	29.01	24.46	4.04	32.78	24.68	4.11	34.56	26.95	4.14	37.00	28.28	4.19	39.55	28.93	4.24	40.77	32.16	4.26
	104	22.97	21.58	3.15	25.96	21.76	3.21	27.37	23.77	3.23	29.30	24.94	3.27	31.33	25.52	3.31	32.29	28.36	3.33
	115	16.94	16.93	2.27	19.14	18.10	2.31	20.18	19.77	2.33	21.61	20.74	2.35	23.10	21.22	2.38	23.81	23.59	2.39

		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	8.09	7.10	1.15	9.14	7.16	1.17	9.63	7.82	1.18	10.31	8.21	1.19	11.03	8.40	1.21	11.37	9.33	1.22
	-5.0	7.87	7.02	1.34	8.89	7.08	1.36	9.37	7.73	1.38	10.04	8.11	1.39	10.73	8.30	1.41	11.06	9.22	1.41
	0.0	7.85	6.93	1.53	8.87	6.99	1.56	9.35	7.64	1.57	10.01	8.02	1.59	10.71	8.20	1.61	11.04	9.12	1.61
	5.0	7.68	6.88	1.89	8.68	6.94	1.93	9.15	7.58	1.94	9.80	7.96	1.96	10.48	8.14	1.99	10.80	9.05	2.00
	10.0	7.67	6.87	1.88	8.67	6.93	1.92	9.14	7.57	1.93	9.79	7.94	1.95	10.46	8.13	1.98	10.79	9.03	1.99
	15.0	7.60	6.86	1.87	8.59	6.92	1.90	9.06	7.55	1.92	9.70	7.93	1.94	10.36	8.11	1.96	10.68	9.01	1.97
	19.4	8.15	7.02	2.26	9.21	7.08	2.30	9.71	7.73	2.32	10.40	8.11	2.35	11.11	8.30	2.38	11.46	9.23	2.39
	25.0	8.70	7.18	2.85	9.83	7.24	2.90	10.36	7.91	2.93	11.10	8.30	2.96	11.86	8.49	2.99	12.23	9.44	3.01
	30.6	8.60	7.17	3.45	9.72	7.24	3.51	10.25	7.90	3.53	10.97	8.29	3.57	11.73	8.49	3.62	12.09	9.43	3.63
	35.0	8.50	7.17	4.04	9.61	7.23	4.11	10.13	7.90	4.14	10.84	8.29	4.19	11.59	8.48	4.24	11.95	9.42	4.26
	40.0	6.73	6.32	3.15	7.61	6.38	3.21	8.02	6.97	3.23	8.59	7.31	3.27	9.18	7.48	3.31	9.46	8.31	3.33
	46.1	4.96	4.96	2.27	5.61	5.30	2.31	5.91	5.79	2.33	6.33	6.08	2.35	6.77	6.22	2.38	6.98	6.91	2.39

● Indoor units: 9,000 Btu + 12,000 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	27.59	24.22	1.23	31.18	24.43	1.25	32.87	26.69	1.26	35.19	28.00	1.28	37.62	28.65	1.29	38.78	31.84	1.30
	23	26.85	23.94	1.43	30.34	24.15	1.46	31.99	26.38	1.47	34.25	27.68	1.49	36.61	28.32	1.50	37.74	31.47	1.51
	32	26.79	23.66	1.64	30.27	23.87	1.66	31.91	26.07	1.68	34.17	27.35	1.70	36.53	27.99	1.72	37.65	31.10	1.73
	41	26.22	23.48	2.02	29.63	23.68	2.06	31.23	25.87	2.08	33.44	27.14	2.10	35.75	27.77	2.12	36.85	30.87	2.14
	50	26.19	23.44	2.01	29.59	23.64	2.05	31.20	25.82	2.07	33.40	27.10	2.09	35.71	27.72	2.11	36.81	30.81	2.12
	59	25.94	23.40	2.00	29.31	23.60	2.04	30.90	25.77	2.05	33.08	27.05	2.08	35.36	27.67	2.10	36.46	30.76	2.11
	67	27.81	23.94	2.42	31.43	24.15	2.46	33.13	26.38	2.48	35.47	27.68	2.51	37.92	28.32	2.54	39.09	31.48	2.55
	77	29.68	24.49	3.05	33.54	24.71	3.10	35.36	26.98	3.13	37.86	28.32	3.16	40.47	28.97	3.20	41.72	32.20	3.22
	87	29.35	24.48	3.68	33.16	24.69	3.75	34.96	26.97	3.78	37.43	28.30	3.82	40.01	28.95	3.87	41.25	32.18	3.89
	95	29.01	24.46	4.32	32.78	24.68	4.39	34.56	26.95	4.43	37.00	28.28	4.48	39.55	28.93	4.53	40.77	32.16	4.56
	104	22.97	21.58	3.37	25.96	21.76	3.43	27.37	23.77	3.46	29.30	24.94	3.50	31.33	25.52	3.54	32.29	28.36	3.56
	115	16.94	16.93	2.42	19.14	18.10	2.47	20.18	19.77	2.49	21.61	20.74	2.51	23.10	21.22	2.54	23.81	23.59	2.56

		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	8.09	7.10	1.23	9.14	7.16	1.25	9.63	7.82	1.26	10.31	8.21	1.28	11.03	8.40	1.29	11.37	9.33	1.30
	-5.0	7.87	7.02	1.43	8.89	7.08	1.46	9.37	7.73	1.47	10.04	8.11	1.49	10.73	8.30	1.50	11.06	9.22	1.51
	0.0	7.85	6.93	1.64	8.87	6.99	1.66	9.35	7.64	1.68	10.01	8.02	1.70	10.71	8.20	1.72	11.04	9.12	1.73
	5.0	7.68	6.88	2.02	8.68	6.94	2.06	9.15	7.58	2.08	9.80	7.96	2.10	10.48	8.14	2.12	10.80	9.05	2.14
	10.0	7.67	6.87	2.01	8.67	6.93	2.05	9.14	7.57	2.07	9.79	7.94	2.09	10.46	8.13	2.11	10.79	9.03	2.12
	15.0	7.60	6.86	2.00	8.59	6.92	2.04	9.06	7.55	2.05	9.70	7.93	2.08	10.36	8.11	2.10	10.68	9.01	2.11
	19.4	8.15	7.02	2.42	9.21	7.08	2.46	9.71	7.73	2.48	10.40	8.11	2.51	11.11	8.30	2.54	11.46	9.23	2.55
	25.0	8.70	7.18	3.05	9.83	7.24	3.10	10.36	7.91	3.13	11.10	8.30	3.16	11.86	8.49	3.20	12.23	9.44	3.22
	30.6	8.60	7.17	3.68	9.72	7.24	3.75	10.25	7.90	3.78	10.97	8.29	3.82	11.73	8.49	3.87	12.09	9.43	3.89
	35.0	8.50	7.17	4.32	9.61	7.23	4.39	10.13	7.90	4.43	10.84	8.29	4.48	11.59	8.48	4.53	11.95	9.42	4.56
	40.0	6.73	6.32	3.37	7.61	6.38	3.43	8.02	6.97	3.46	8.59	7.31	3.50	9.18	7.48	3.54	9.46	8.31	3.56
	46.1	4.96	4.96	2.42	5.61	5.30	2.47	5.91	5.79	2.49	6.33	6.08	2.51	6.77	6.22	2.54	6.98	6.91	2.56

● Indoor units: 12,000 Btu + 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	27.52	24.16	1.23	31.10	24.37	1.25	32.78	26.61	1.26	35.10	27.93	1.27	37.52	28.57	1.29	38.68	31.76	1.30
	23	26.78	23.88	1.43	30.26	24.09	1.46	31.90	26.31	1.47	34.15	27.60	1.48	36.51	28.24	1.50	37.64	31.39	1.51
	32	26.72	23.60	1.63	30.19	23.80	1.66	31.83	26.00	1.67	34.08	27.28	1.69	36.43	27.91	1.71	37.55	31.02	1.72
	41	26.15	23.42	2.02	29.55	23.62	2.06	31.15	25.80	2.07	33.35	27.07	2.10	35.65	27.70	2.12	36.75	30.78	2.13
	50	26.12	23.38	2.01	29.51	23.58	2.04	31.11	25.75	2.06	33.31	27.02	2.08	35.61	27.65	2.11	36.71	30.73	2.12
	59	25.87	23.33	2.00	29.23	23.54	2.03	30.82	25.71	2.05	32.99	26.97	2.07	35.27	27.60	2.10	36.36	30.67	2.11
	67	27.73	23.88	2.42	31.34	24.09	2.46	33.04	26.31	2.48	35.38	27.61	2.51	37.82	28.25	2.53	38.98	31.39	2.55
	77	29.60	24.43	3.04	33.45	24.64	3.10	35.27	26.91	3.12	37.76	28.24	3.16	40.36	28.89	3.19	41.61	32.11	3.21
	87	29.27	24.41	3.68	33.07	24.62	3.74	34.87	26.89	3.77	37.33	28.22	3.81	39.90	28.87	3.86	41.14	32.09	3.88
	95	28.93	24.40	4.31	32.69	24.61	4.39	34.46	26.88	4.42	36.90	28.20	4.47	39.45	28.86	4.52	40.66	32.07	4.55
	104	22.91	21.52	3.36	25.89	21.71	3.42	27.30	23.71	3.45	29.22	24.88	3.49	31.24	25.45	3.53	32.21	28.29	3.55
	115	16.89	16.88	2.42	19.09	18.05	2.46	20.13	19.71	2.48	21.55	20.69	2.51	23.04	21.17	2.54	23.75	23.52	2.55

		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	8.06	7.08	1.23	9.11	7.14	1.25	9.61	7.80	1.26	10.29	8.19	1.27	11.00	8.37	1.29	11.34	9.31	1.30
	-5.0	7.85	7.00	1.43	8.87	7.06	1.46	9.35	7.71	1.47	10.01	8.09	1.48	10.70	8.28	1.50	11.03	9.20	1.51
	0.0	7.83	6.92	1.63	8.85	6.98	1.66	9.33	7.62	1.67	9.99	8.00	1.69	10.68	8.18	1.71	11.01	9.09	1.72
	5.0	7.66	6.86	2.02	8.66	6.92	2.06	9.13	7.56	2.07	9.77	7.93	2.10	10.45	8.12	2.12	10.77	9.02	2.13
	10.0	7.65	6.85	2.01	8.65	6.91	2.04	9.12	7.55	2.06	9.76	7.92	2.08	10.44	8.10	2.11	10.76	9.01	2.12
	15.0	7.58	6.84	2.00	8.57	6.90	2.03	9.03	7.53	2.05	9.67	7.91	2.07	10.34	8.09	2.10	10.66	8.99	2.11
	19.4	8.13	7.00	2.42	9.19	7.06	2.46	9.68	7.71	2.48	10.37	8.09	2.51	11.08	8.28	2.53	11.43	9.20	2.55
	25.0	8.68	7.16	3.04	9.80	7.22	3.10	10.34	7.89	3.12	11.07	8.28	3.16	11.83	8.47	3.19	12.20	9.41	3.21
	30.6	8.58	7.15	3.68	9.69	7.22	3.74	10.22	7.88	3.77	10.94	8.27	3.81	11.70	8.46	3.86	12.06	9.41	3.88
	35.0	8.48	7.15	4.31	9.58	7.21	4.39	10.10	7.88	4.42	10.81	8.27	4.47	11.56	8.46	4.52	11.92	9.40	4.55
	40.0	6.72	6.31	3.36	7.59	6.36	3.42	8.00	6.95	3.45	8.57	7.29	3.49	9.16	7.46	3.53	9.44	8.29	3.55
	46.1	4.95	4.95	2.42	5.60	5.29	2.46	5.90	5.78	2.48	6.32	6.06	2.51	6.75	6.20	2.54	6.96	6.89	2.55

● Indoor units: 12,000 Btu + 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	27.59	24.22	1.15	31.18	24.43	1.17	32.87	26.69	1.18	35.19	28.00	1.19	37.62	28.65	1.21	38.78	31.84	1.22
	23	26.85	23.94	1.34	30.34	24.15	1.36	31.99	26.38	1.38	34.25	27.68	1.39	36.61	28.32	1.41	37.74	31.47	1.41
	32	26.79	23.66	1.53	30.27	23.87	1.56	31.91	26.07	1.57	34.17	27.35	1.59	36.53	27.99	1.61	37.65	31.10	1.61
	41	26.22	23.48	1.89	29.63	23.68	1.93	31.23	25.87	1.94	33.44	27.14	1.96	35.75	27.77	1.99	36.85	30.87	2.00
	50	26.19	23.44	1.88	29.59	23.64	1.92	31.20	25.82	1.93	33.40	27.10	1.95	35.71	27.72	1.98	36.81	30.81	1.99
	59	25.94	23.40	1.87	29.31	23.60	1.90	30.90	25.77	1.92	33.08	27.05	1.94	35.36	27.67	1.96	36.46	30.76	1.97
	67	27.81	23.94	2.26	31.43	24.15	2.30	33.13	26.38	2.32	35.47	27.68	2.35	37.92	28.32	2.38	39.09	31.48	2.39
	77	29.68	24.49	2.85	33.54	24.71	2.90	35.36	26.98	2.93	37.86	28.32	2.96	40.47	28.97	2.99	41.72	32.20	3.01
	87	29.35	24.48	3.45	33.16	24.69	3.51	34.96	26.97	3.53	37.43	28.30	3.57	40.01	28.95	3.62	41.25	32.18	3.63
	95	29.01	24.46	4.04	32.78	24.68	4.11	34.56	26.95	4.14	37.00	28.28	4.19	39.55	28.93	4.24	40.77	32.16	4.26
	104	22.97	21.58	3.15	25.96	21.76	3.21	27.37	23.77	3.23	29.30	24.94	3.27	31.33	25.52	3.31	32.29	28.36	3.33
	115	16.94	16.93	2.27	19.14	18.10	2.31	20.18	19.77	2.33	21.61	20.74	2.35	23.10	21.22	2.38	23.81	23.59	2.39

		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	8.09	7.10	1.15	9.14	7.16	1.17	9.63	7.82	1.18	10.31	8.21	1.19	11.03	8.40	1.21	11.37	9.33	1.22
	-5.0	7.87	7.02	1.34	8.89	7.08	1.36	9.37	7.73	1.38	10.04	8.11	1.39	10.73	8.30	1.41	11.06	9.22	1.41
	0.0	7.85	6.93	1.53	8.87	6.99	1.56	9.35	7.64	1.57	10.01	8.02	1.59	10.71	8.20	1.61	11.04	9.12	1.61
	5.0	7.68	6.88	1.89	8.68	6.94	1.93	9.15	7.58	1.94	9.80	7.96	1.96	10.48	8.14	1.99	10.80	9.05	2.00
	10.0	7.67	6.87	1.88	8.67	6.93	1.92	9.14	7.57	1.93	9.79	7.94	1.95	10.46	8.13	1.98	10.79	9.03	1.99
	15.0	7.60	6.86	1.87	8.59	6.92	1.90	9.06	7.55	1.92	9.70	7.93	1.94	10.36	8.11	1.96	10.68	9.01	1.97
	19.4	8.15	7.02	2.26	9.21	7.08	2.30	9.71	7.73	2.32	10.40	8.11	2.35	11.11	8.30	2.38	11.46	9.23	2.39
	25.0	8.70	7.18	2.85	9.83	7.24	2.90	10.36	7.91	2.93	11.10	8.30	2.96	11.86	8.49	2.99	12.23	9.44	3.01
	30.6	8.60	7.17	3.45	9.72	7.24	3.51	10.25	7.90	3.53	10.97	8.29	3.57	11.73	8.49	3.62	12.09	9.43	3.63
	35.0	8.50	7.17	4.04	9.61	7.23	4.11	10.13	7.90	4.14	10.84	8.29	4.19	11.59	8.48	4.24	11.95	9.42	4.26
	40.0	6.73	6.32	3.15	7.61	6.38	3.21	8.02	6.97	3.23	8.59	7.31	3.27	9.18	7.48	3.31	9.46	8.31	3.33
	46.1	4.96	4.96	2.27	5.61	5.30	2.31	5.91	5.79	2.33	6.33	6.08	2.35	6.77	6.22	2.38	6.98	6.91	2.39

● Indoor units: 7,000 Btu + 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	23.86	20.95	1.00	26.97	21.13	1.02	28.43	23.08	1.03	30.44	24.22	1.04	32.54	24.78	1.05	33.54	27.54	1.06
	23	23.22	20.71	1.16	26.24	20.89	1.19	27.66	22.81	1.20	29.62	23.94	1.21	31.66	24.49	1.22	32.64	27.22	1.23
	32	23.17	20.46	1.33	26.18	20.64	1.35	27.60	22.54	1.36	29.55	23.66	1.38	31.59	24.20	1.39	32.56	26.90	1.40
	41	22.67	20.31	1.64	25.62	20.48	1.67	27.01	22.37	1.69	28.92	23.48	1.71	30.92	24.02	1.73	31.87	26.69	1.74
	50	22.65	20.27	1.64	25.59	20.45	1.66	26.98	22.33	1.68	28.89	23.44	1.70	30.88	23.98	1.72	31.83	26.65	1.73
	59	22.43	20.23	1.63	25.35	20.41	1.65	26.72	22.29	1.67	28.61	23.39	1.69	30.59	23.93	1.71	31.53	26.60	1.72
	67	24.05	20.71	1.97	27.18	20.89	2.00	28.65	22.81	2.02	30.68	23.94	2.04	32.79	24.49	2.06	33.81	27.22	2.08
	77	25.67	21.18	2.48	29.01	21.37	2.52	30.58	23.34	2.54	32.74	24.49	2.57	35.00	25.06	2.60	36.08	27.85	2.61
	87	25.38	21.17	2.99	28.68	21.35	3.05	30.24	23.32	3.07	32.37	24.47	3.10	34.61	25.04	3.14	35.67	27.83	3.16
	95	25.09	21.16	3.51	28.35	21.34	3.57	29.89	23.31	3.60	32.00	24.46	3.64	34.21	25.02	3.68	35.26	27.81	3.70
	104	19.87	18.66	2.74	22.45	18.82	2.79	23.67	20.56	2.81	25.34	21.57	2.84	27.09	22.07	2.87	27.93	24.53	2.89
	115	14.65	14.64	1.97	16.56	15.65	2.00	17.45	17.10	2.02	18.69	17.94	2.04	19.98	18.36	2.07	20.59	20.40	2.08

		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	6.99	6.14	1.00	7.90	6.19	1.02	8.33	6.76	1.03	8.92	7.10	1.04	9.54	7.26	1.05	9.83	8.07	1.06
	-5.0	6.81	6.07	1.16	7.69	6.12	1.19	8.11	6.69	1.20	8.68	7.02	1.21	9.28	7.18	1.22	9.57	7.98	1.23
	0.0	6.79	6.00	1.33	7.67	6.05	1.35	8.09	6.61	1.36	8.66	6.93	1.38	9.26	7.09	1.39	9.54	7.88	1.40
	5.0	6.65	5.95	1.64	7.51	6.00	1.67	7.92	6.56	1.69	8.48	6.88	1.71	9.06	7.04	1.73	9.34	7.82	1.74
	10.0	6.64	5.94	1.64	7.50	5.99	1.66	7.91	6.55	1.68	8.47	6.87	1.70	9.05	7.03	1.72	9.33	7.81	1.73
	15.0	6.57	5.93	1.63	7.43	5.98	1.65	7.83	6.53	1.67	8.39	6.86	1.69	8.96	7.01	1.71	9.24	7.80	1.72
	19.4	7.05	6.07	1.97	7.97	6.12	2.00	8.40	6.69	2.02	8.99	7.02	2.04	9.61	7.18	2.06	9.91	7.98	2.08
	25.0	7.52	6.21	2.48	8.50	6.26	2.52	8.96	6.84	2.54	9.60	7.18	2.57	10.26	7.34	2.60	10.58	8.16	2.61
	30.6	7.44	6.20	2.99	8.41	6.26	3.05	8.86	6.84	3.07	9.49	7.17	3.10	10.14	7.34	3.14	10.46	8.16	3.16
	35.0	7.35	6.20	3.51	8.31	6.25	3.57	8.76	6.83	3.60	9.38	7.17	3.64	10.03	7.33	3.68	10.34	8.15	3.70
	40.0	5.82	5.47	2.74	6.58	5.52	2.79	6.94	6.03	2.81	7.43	6.32	2.84	7.94	6.47	2.87	8.19	7.19	2.89
	46.1	4.29	4.29	1.97	4.85	4.59	2.00	5.12	5.01	2.02	5.48	5.26	2.04	5.85	5.38	2.07	6.04	5.98	2.08

● Indoor units: 7,000 Btu + 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	25.50	22.39	1.07	28.82	22.59	1.09	30.38	24.67	1.10	32.53	25.88	1.11	34.77	26.48	1.12	35.85	29.43	1.13
	23	24.82	22.13	1.25	28.05	22.32	1.27	29.57	24.38	1.28	31.65	25.58	1.29	33.84	26.18	1.31	34.88	29.09	1.32
	32	24.76	21.87	1.42	27.98	22.06	1.45	29.50	24.09	1.46	31.58	25.28	1.48	33.76	25.87	1.49	34.80	28.75	1.50
	41	24.23	21.70	1.76	27.39	21.89	1.79	28.87	23.91	1.81	30.91	25.09	1.83	33.04	25.67	1.85	34.06	28.53	1.86
	50	24.20	21.67	1.75	27.35	21.85	1.78	28.84	23.87	1.80	30.87	25.05	1.82	33.00	25.63	1.84	34.02	28.48	1.85
	59	23.97	21.62	1.74	27.09	21.81	1.77	28.56	23.82	1.79	30.58	25.00	1.81	32.69	25.58	1.83	33.70	28.43	1.84
	67	25.71	22.13	2.11	29.05	22.33	2.14	30.62	24.38	2.16	32.79	25.59	2.19	35.05	26.18	2.21	36.13	29.09	2.22
	77	27.44	22.64	2.65	31.01	22.84	2.70	32.69	24.94	2.72	35.00	26.17	2.75	37.41	26.78	2.79	38.57	29.76	2.80
	87	27.12	22.62	3.21	30.65	22.82	3.26	32.31	24.93	3.29	34.60	26.16	3.33	36.98	26.76	3.36	38.13	29.74	3.38
	95	26.81	22.61	3.76	30.30	22.81	3.83	31.94	24.91	3.86	34.20	26.14	3.90	36.56	26.74	3.94	37.69	29.72	3.97
	104	21.24	19.94	2.93	24.00	20.12	2.99	25.30	21.97	3.01	27.09	23.06	3.04	28.96	23.59	3.08	29.85	26.22	3.10
	115	15.66	15.65	2.11	17.70	16.73	2.15	18.65	18.27	2.16	19.97	19.17	2.19	21.35	19.62	2.21	22.01	21.80	2.23

		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	7.47	6.56	1.07	8.45	6.62	1.09	8.90	7.23	1.10	9.53	7.59	1.11	10.19	7.76	1.12	10.51	8.63	1.13
	-5.0	7.27	6.49	1.25	8.22	6.54	1.27	8.67	7.15	1.28	9.28	7.50	1.29	9.92	7.67	1.31	10.22	8.53	1.32
	0.0	7.26	6.41	1.42	8.20	6.47	1.45	8.65	7.06	1.46	9.26	7.41	1.48	9.89	7.58	1.49	10.20	8.43	1.50
	5.0	7.10	6.36	1.76	8.03	6.42	1.79	8.46	7.01	1.81	9.06	7.35	1.83	9.68	7.52	1.85	9.98	8.36	1.86
	10.0	7.09	6.35	1.75	8.02	6.41	1.78	8.45	7.00	1.80	9.05	7.34	1.82	9.67	7.51	1.84	9.97	8.35	1.85
	15.0	7.03	6.34	1.74	7.94	6.39	1.77	8.37	6.98	1.79	8.96	7.33	1.81	9.58	7.50	1.83	9.88	8.33	1.84
	19.4	7.53	6.49	2.11	8.51	6.54	2.14	8.98	7.15	2.16	9.61	7.50	2.19	10.27	7.67	2.21	10.59	8.53	2.22
	25.0	8.04	6.64	2.65	9.09	6.69	2.70	9.58	7.31	2.72	10.26	7.67	2.75	10.96	7.85	2.79	11.30	8.72	2.80
	30.6	7.95	6.63	3.21	8.98	6.69	3.26	9.47	7.31	3.29	10.14	7.67	3.33	10.84	7.84	3.36	11.17	8.72	3.38
	35.0	7.86	6.63	3.76	8.88	6.68	3.83	9.36	7.30	3.86	10.02	7.66	3.90	10.72	7.84	3.94	11.05	8.71	3.97
	40.0	6.22	5.84	2.93	7.03	5.90	2.99	7.41	6.44	3.01	7.94	6.76	3.04	8.49	6.91	3.08	8.75	7.68	3.10
	46.1	4.59	4.59	2.11	5.19	4.90	2.15	5.47	5.36	2.16	5.85	5.62	2.19	6.26	5.75	2.21	6.45	6.39	2.23

● Indoor units: 7,000 Btu + 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	26.92	23.63	1.14	30.42	23.84	1.16	32.07	26.04	1.17	34.34	27.32	1.19	36.71	27.95	1.20	37.84	31.07	1.21
	23	26.20	23.36	1.33	29.60	23.56	1.35	31.21	25.73	1.37	33.41	27.01	1.38	35.72	27.63	1.40	36.82	30.71	1.40
	32	26.14	23.08	1.52	29.54	23.29	1.55	31.14	25.43	1.56	33.34	26.69	1.58	35.64	27.31	1.59	36.74	30.35	1.60
	41	25.58	22.91	1.88	28.91	23.11	1.91	30.47	25.24	1.93	32.63	26.48	1.95	34.88	27.10	1.97	35.96	30.12	1.98
	50	25.55	22.87	1.87	28.87	23.07	1.90	30.44	25.19	1.92	32.59	26.44	1.94	34.84	27.05	1.96	35.91	30.06	1.97
	59	25.31	22.83	1.86	28.60	23.03	1.89	30.15	25.15	1.91	32.28	26.39	1.93	34.50	27.00	1.95	35.57	30.01	1.96
	67	27.13	23.36	2.25	30.66	23.57	2.29	32.32	25.74	2.31	34.61	27.01	2.33	37.00	27.63	2.36	38.14	30.71	2.37
	77	28.96	23.90	2.83	32.73	24.11	2.88	34.50	26.33	2.90	36.94	27.63	2.94	39.49	28.27	2.97	40.71	31.41	2.99
	87	28.63	23.88	3.42	32.36	24.09	3.48	34.11	26.31	3.51	36.52	27.61	3.55	39.04	28.25	3.59	40.24	31.39	3.61
	95	28.30	23.87	4.01	31.98	24.07	4.08	33.72	26.29	4.11	36.10	27.59	4.16	38.59	28.23	4.21	39.78	31.37	4.23
	104	22.42	21.05	3.13	25.33	21.23	3.19	26.70	23.19	3.21	28.59	24.34	3.25	30.56	24.90	3.28	31.51	27.67	3.30
	115	16.53	16.51	2.25	18.68	17.66	2.29	19.69	19.29	2.31	21.08	20.24	2.33	22.54	20.71	2.36	23.23	23.01	2.37

		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	7.89	6.93	1.14	8.92	6.99	1.16	9.40	7.63	1.17	10.06	8.01	1.19	10.76	8.19	1.20	11.09	9.11	1.21
	-5.0	7.68	6.85	1.33	8.68	6.91	1.35	9.15	7.54	1.37	9.79	7.91	1.38	10.47	8.10	1.40	10.79	9.00	1.40
	0.0	7.66	6.77	1.52	8.66	6.82	1.55	9.13	7.45	1.56	9.77	7.82	1.58	10.44	8.00	1.59	10.77	8.89	1.60
	5.0	7.50	6.71	1.88	8.47	6.77	1.91	8.93	7.40	1.93	9.56	7.76	1.95	10.22	7.94	1.97	10.54	8.83	1.98
	10.0	7.49	6.70	1.87	8.46	6.76	1.90	8.92	7.38	1.92	9.55	7.75	1.94	10.21	7.93	1.96	10.53	8.81	1.97
	15.0	7.42	6.69	1.86	8.38	6.75	1.89	8.84	7.37	1.91	9.46	7.73	1.93	10.11	7.91	1.95	10.42	8.79	1.96
	19.4	7.95	6.85	2.25	8.99	6.91	2.29	9.47	7.54	2.31	10.14	7.92	2.33	10.84	8.10	2.36	11.18	9.00	2.37
	25.0	8.49	7.00	2.83	9.59	7.06	2.88	10.11	7.72	2.90	10.83	8.10	2.94	11.57	8.28	2.97	11.93	9.21	2.99
	30.6	8.39	7.00	3.42	9.48	7.06	3.48	10.00	7.71	3.51	10.70	8.09	3.55	11.44	8.28	3.59	11.80	9.20	3.61
	35.0	8.29	6.99	4.01	9.37	7.06	4.08	9.88	7.71	4.11	10.58	8.09	4.16	11.31	8.27	4.21	11.66	9.20	4.23
	40.0	6.57	6.17	3.13	7.42	6.22	3.19	7.83	6.80	3.21	8.38	7.13	3.25	8.96	7.30	3.28	9.23	8.11	3.30
	46.1	4.84	4.84	2.25	5.47	5.18	2.29	5.77	5.65	2.31	6.18	5.93	2.33	6.61	6.07	2.36	6.81	6.74	2.37

● Indoor units: 7,000 Btu + 7,000 Btu + 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	28.34	24.88	1.13	32.02	25.09	1.15	33.76	27.41	1.16	36.14	28.76	1.17	38.64	29.43	1.18	39.83	32.70	1.19
	23	27.57	24.59	1.31	31.16	24.80	1.34	32.85	27.09	1.35	35.17	28.43	1.36	37.60	29.08	1.38	38.76	32.32	1.38
	32	27.51	24.30	1.50	31.09	24.51	1.52	32.78	26.77	1.54	35.09	28.09	1.55	37.51	28.74	1.57	38.67	31.94	1.58
	41	26.93	24.11	1.85	30.43	24.32	1.89	32.08	26.57	1.90	34.34	27.88	1.92	36.71	28.52	1.94	37.85	31.70	1.95
	50	26.89	24.07	1.84	30.39	24.28	1.87	32.04	26.52	1.89	34.30	27.83	1.91	36.67	28.47	1.93	37.80	31.65	1.94
	59	26.64	24.03	1.83	30.10	24.24	1.86	31.73	26.47	1.88	33.98	27.78	1.90	36.32	28.42	1.92	37.44	31.59	1.93
	67	28.56	24.59	2.22	32.28	24.81	2.25	34.03	27.09	2.27	36.43	28.43	2.30	38.94	29.09	2.32	40.15	32.33	2.34
	77	30.48	25.15	2.79	34.45	25.37	2.84	36.32	27.71	2.86	38.88	29.08	2.89	41.57	29.75	2.93	42.85	33.07	2.94
	87	30.14	25.14	3.37	34.06	25.36	3.43	35.90	27.70	3.46	38.44	29.06	3.50	41.09	29.73	3.54	42.36	33.05	3.56
	95	29.79	25.12	3.95	33.67	25.34	4.02	35.49	27.68	4.05	38.00	29.04	4.10	40.62	29.72	4.15	41.88	33.03	4.17
	104	23.59	22.16	3.09	26.66	22.35	3.14	28.11	24.41	3.17	30.10	25.62	3.20	32.17	26.21	3.24	33.17	29.13	3.25
	115	17.40	17.38	2.22	19.66	18.59	2.26	20.73	20.30	2.28	22.19	21.30	2.30	23.72	21.80	2.33	24.45	24.22	2.34

		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	8.31	7.29	1.13	9.39	7.35	1.15	9.89	8.03	1.16	10.59	8.43	1.17	11.32	8.62	1.18	11.67	9.58	1.19
	-5.0	8.08	7.21	1.31	9.13	7.27	1.34	9.63	7.94	1.35	10.31	8.33	1.36	11.02	8.52	1.38	11.36	9.47	1.38
	0.0	8.06	7.12	1.50	9.11	7.18	1.52	9.61	7.85	1.54	10.28	8.23	1.55	10.99	8.42	1.57	11.33	9.36	1.58
	5.0	7.89	7.07	1.85	8.92	7.13	1.89	9.40	7.79	1.90	10.07	8.17	1.92	10.76	8.36	1.94	11.09	9.29	1.95
	10.0	7.88	7.06	1.84	8.91	7.12	1.87	9.39	7.77	1.89	10.05	8.16	1.91	10.75	8.35	1.93	11.08	9.27	1.94
	15.0	7.81	7.04	1.83	8.82	7.10	1.86	9.30	7.76	1.88	9.96	8.14	1.90	10.64	8.33	1.92	10.97	9.26	1.93
	19.4	8.37	7.21	2.22	9.46	7.27	2.25	9.97	7.94	2.27	10.68	8.33	2.30	11.41	8.53	2.32	11.77	9.47	2.34
	25.0	8.93	7.37	2.79	10.10	7.44	2.84	10.64	8.12	2.86	11.40	8.52	2.89	12.18	8.72	2.93	12.56	9.69	2.94
	30.6	8.83	7.37	3.37	9.98	7.43	3.43	10.52	8.12	3.46	11.27	8.52	3.50	12.04	8.71	3.54	12.42	9.69	3.56
	35.0	8.73	7.36	3.95	9.87	7.43	4.02	10.40	8.11	4.05	11.14	8.51	4.10	11.91	8.71	4.15	12.27	9.68	4.17
	40.0	6.92	6.49	3.09	7.81	6.55	3.14	8.24	7.15	3.17	8.82	7.51	3.20	9.43	7.68	3.24	9.72	8.54	3.25
	46.1	5.10	5.09	2.22	5.76	5.45	2.26	6.07	5.95	2.28	6.50	6.24	2.30	6.95	6.39	2.33	7.17	7.10	2.34

● Indoor units: 7,000 Btu + 7,000 Btu + 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	28.34	24.88	1.20	32.02	25.09	1.23	33.76	27.41	1.24	36.14	28.76	1.25	38.64	29.43	1.26	39.83	32.70	1.27
	23	27.57	24.59	1.40	31.16	24.80	1.43	32.85	27.09	1.44	35.17	28.43	1.45	37.60	29.08	1.47	38.76	32.32	1.48
	32	27.51	24.30	1.60	31.09	24.51	1.63	32.78	26.77	1.64	35.09	28.09	1.66	37.51	28.74	1.68	38.67	31.94	1.69
	41	26.93	24.11	1.98	30.43	24.32	2.01	32.08	26.57	2.03	34.34	27.88	2.05	36.71	28.52	2.08	37.85	31.70	2.09
	50	26.89	24.07	1.97	30.39	24.28	2.00	32.04	26.52	2.02	34.30	27.83	2.04	36.67	28.47	2.06	37.80	31.65	2.08
	59	26.64	24.03	1.96	30.10	24.24	1.99	31.73	26.47	2.01	33.98	27.78	2.03	36.32	28.42	2.05	37.44	31.59	2.06
	67	28.56	24.59	2.37	32.28	24.81	2.41	34.03	27.09	2.43	36.43	28.43	2.46	38.94	29.09	2.48	40.15	32.33	2.50
	77	30.48	25.15	2.98	34.45	25.37	3.03	36.32	27.71	3.06	38.88	29.08	3.09	41.57	29.75	3.13	42.85	33.07	3.14
	87	30.14	25.14	3.60	34.06	25.36	3.67	35.90	27.70	3.70	38.44	29.06	3.74	41.09	29.73	3.78	42.36	33.05	3.80
	95	29.79	25.12	4.22	33.67	25.34	4.30	35.49	27.68	4.33	38.00	29.04	4.38	40.62	29.72	4.43	41.88	33.03	4.45
	104	23.59	22.16	3.30	26.66	22.35	3.35	28.11	24.41	3.38	30.10	25.62	3.42	32.17	26.21	3.46	33.17	29.13	3.48
	115	17.40	17.38	2.37	19.66	18.59	2.41	20.73	20.30	2.43	22.19	21.30	2.46	23.72	21.80	2.49	24.45	24.22	2.50

		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	8.31	7.29	1.20	9.39	7.35	1.23	9.89	8.03	1.24	10.59	8.43	1.25	11.32	8.62	1.26	11.67	9.58	1.27
	-5.0	8.08	7.21	1.40	9.13	7.27	1.43	9.63	7.94	1.44	10.31	8.33	1.45	11.02	8.52	1.47	11.36	9.47	1.48
	0.0	8.06	7.12	1.60	9.11	7.18	1.63	9.61	7.85	1.64	10.28	8.23	1.66	10.99	8.42	1.68	11.33	9.36	1.69
	5.0	7.89	7.07	1.98	8.92	7.13	2.01	9.40	7.79	2.03	10.07	8.17	2.05	10.76	8.36	2.08	11.09	9.29	2.09
	10.0	7.88	7.06	1.97	8.91	7.12	2.00	9.39	7.77	2.02	10.05	8.16	2.04	10.75	8.35	2.06	11.08	9.27	2.08
	15.0	7.81	7.04	1.96	8.82	7.10	1.99	9.30	7.76	2.01	9.96	8.14	2.03	10.64	8.33	2.05	10.97	9.26	2.06
	19.4	8.37	7.21	2.37	9.46	7.27	2.41	9.97	7.94	2.43	10.68	8.33	2.46	11.41	8.53	2.48	11.77	9.47	2.50
	25.0	8.93	7.37	2.98	10.10	7.44	3.03	10.64	8.12	3.06	11.40	8.52	3.09	12.18	8.72	3.13	12.56	9.69	3.14
	30.6	8.83	7.37	3.60	9.98	7.43	3.67	10.52	8.12	3.70	11.27	8.52	3.74	12.04	8.71	3.78	12.42	9.69	3.80
	35.0	8.73	7.36	4.22	9.87	7.43	4.30	10.40	8.11	4.33	11.14	8.51	4.38	11.91	8.71	4.43	12.27	9.68	4.45
	40.0	6.92	6.49	3.30	7.81	6.55	3.35	8.24	7.15	3.38	8.82	7.51	3.42	9.43	7.68	3.46	9.72	8.54	3.48
	46.1	5.10	5.09	2.37	5.76	5.45	2.41	6.07	5.95	2.43	6.50	6.24	2.46	6.95	6.39	2.49	7.17	7.10	2.50

● Indoor units: 7,000 Btu + 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	26.55	23.31	1.11	30.00	23.51	1.13	31.63	25.68	1.14	33.86	26.94	1.15	36.20	27.57	1.16	37.32	30.64	1.17
	23	25.83	23.04	1.29	29.19	23.24	1.31	30.78	25.38	1.32	32.95	26.63	1.34	35.22	27.25	1.35	36.31	30.28	1.36
	32	25.77	22.76	1.47	29.13	22.96	1.50	30.71	25.08	1.51	32.88	26.32	1.53	35.14	26.93	1.54	36.23	29.93	1.55
	41	25.23	22.59	1.82	28.51	22.79	1.85	30.05	24.89	1.87	32.18	26.12	1.89	34.40	26.72	1.91	35.46	29.70	1.92
	50	25.20	22.55	1.81	28.47	22.75	1.84	30.02	24.85	1.86	32.14	26.07	1.88	34.35	26.68	1.90	35.41	29.65	1.91
	59	24.96	22.51	1.80	28.20	22.71	1.83	29.73	24.80	1.85	31.83	26.02	1.87	34.03	26.63	1.89	35.08	29.59	1.90
	67	26.76	23.04	2.18	30.24	23.24	2.22	31.88	25.38	2.23	34.13	26.63	2.26	36.48	27.25	2.29	37.61	30.29	2.30
	77	28.56	23.57	2.74	32.28	23.77	2.79	34.02	25.96	2.81	36.43	27.24	2.85	38.94	27.87	2.88	40.14	30.98	2.89
	87	28.24	23.55	3.31	31.91	23.76	3.37	33.64	25.95	3.40	36.01	27.23	3.44	38.50	27.86	3.48	39.69	30.96	3.50
	95	27.91	23.54	3.88	31.54	23.74	3.95	33.25	25.93	3.99	35.60	27.21	4.03	38.06	27.84	4.08	39.23	30.94	4.10
	104	22.10	20.76	3.03	24.98	20.94	3.09	26.33	22.87	3.11	28.19	24.00	3.15	30.14	24.55	3.18	31.07	27.29	3.20
	115	16.30	16.29	2.18	18.42	17.41	2.22	19.42	19.02	2.24	20.79	19.96	2.26	22.22	20.42	2.29	22.91	22.69	2.30

		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	7.78	6.83	1.11	8.79	6.89	1.13	9.27	7.53	1.14	9.92	7.90	1.15	10.61	8.08	1.16	10.94	8.98	1.17
	-5.0	7.57	6.75	1.29	8.56	6.81	1.31	9.02	7.44	1.32	9.66	7.81	1.34	10.32	7.99	1.35	10.64	8.88	1.36
	0.0	7.55	6.67	1.47	8.54	6.73	1.50	9.00	7.35	1.51	9.64	7.71	1.53	10.30	7.89	1.54	10.62	8.77	1.55
	5.0	7.39	6.62	1.82	8.36	6.68	1.85	8.81	7.29	1.87	9.43	7.65	1.89	10.08	7.83	1.91	10.39	8.70	1.92
	10.0	7.38	6.61	1.81	8.35	6.67	1.84	8.80	7.28	1.86	9.42	7.64	1.88	10.07	7.82	1.90	10.38	8.69	1.91
	15.0	7.31	6.60	1.80	8.27	6.66	1.83	8.71	7.27	1.85	9.33	7.63	1.87	9.97	7.80	1.89	10.28	8.67	1.90
	19.4	7.84	6.75	2.18	8.86	6.81	2.22	9.34	7.44	2.23	10.00	7.81	2.26	10.69	7.99	2.29	11.02	8.88	2.30
	25.0	8.37	6.91	2.74	9.46	6.97	2.79	9.97	7.61	2.81	10.68	7.98	2.85	11.41	8.17	2.88	11.77	9.08	2.89
	30.6	8.28	6.90	3.31	9.35	6.96	3.37	9.86	7.60	3.40	10.56	7.98	3.44	11.28	8.16	3.48	11.63	9.07	3.50
	35.0	8.18	6.90	3.88	9.24	6.96	3.95	9.75	7.60	3.99	10.43	7.97	4.03	11.15	8.16	4.08	11.50	9.07	4.10
	40.0	6.48	6.08	3.03	7.32	6.14	3.09	7.72	6.70	3.11	8.26	7.03	3.15	8.83	7.20	3.18	9.11	8.00	3.20
	46.1	4.78	4.77	2.18	5.40	5.10	2.22	5.69	5.57	2.24	6.09	5.85	2.26	6.51	5.98	2.29	6.71	6.65	2.30

● Indoor units: 7,000 Btu + 7,000 Btu + 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	28.04	24.62	1.19	31.69	24.83	1.21	33.40	27.12	1.22	35.76	28.46	1.23	38.23	29.12	1.25	39.41	32.36	1.26
	23	27.28	24.33	1.39	30.83	24.54	1.41	32.50	26.80	1.42	34.80	28.13	1.44	37.20	28.78	1.45	38.35	31.98	1.46
	32	27.22	24.04	1.58	30.76	24.25	1.61	32.43	26.49	1.62	34.72	27.80	1.64	37.12	28.44	1.66	38.26	31.61	1.67
	41	26.64	23.86	1.96	30.11	24.07	1.99	31.74	26.29	2.01	33.98	27.58	2.03	36.33	28.22	2.05	37.45	31.37	2.06
	50	26.61	23.82	1.95	30.07	24.03	1.98	31.70	26.24	2.00	33.94	27.54	2.02	36.28	28.17	2.04	37.40	31.31	2.05
	59	26.36	23.77	1.93	29.79	23.98	1.97	31.40	26.19	1.98	33.62	27.49	2.01	35.94	28.12	2.03	37.05	31.25	2.04
	67	28.26	24.33	2.34	31.94	24.54	2.38	33.67	26.81	2.40	36.05	28.13	2.43	38.53	28.78	2.46	39.72	31.99	2.47
	77	30.16	24.89	2.95	34.09	25.11	3.00	35.94	27.42	3.02	38.47	28.77	3.06	41.13	29.44	3.09	42.40	32.72	3.11
	87	29.82	24.87	3.56	33.70	25.09	3.62	35.53	27.40	3.65	38.04	28.76	3.69	40.66	29.42	3.74	41.92	32.70	3.76
	95	29.48	24.86	4.17	33.31	25.08	4.25	35.12	27.39	4.28	37.60	28.74	4.33	40.19	29.40	4.38	41.44	32.68	4.40
	104	23.35	21.93	3.26	26.38	22.12	3.32	27.81	24.16	3.34	29.78	25.35	3.38	31.83	25.93	3.42	32.82	28.82	3.44
	115	17.21	17.20	2.34	19.45	18.39	2.38	20.51	20.09	2.40	21.96	21.08	2.43	23.47	21.57	2.46	24.20	23.97	2.47

		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	8.22	7.21	1.19	9.29	7.28	1.21	9.79	7.95	1.22	10.48	8.34	1.23	11.21	8.53	1.25	11.55	9.48	1.26
	-5.0	8.00	7.13	1.39	9.04	7.19	1.41	9.53	7.86	1.42	10.20	8.24	1.44	10.90	8.43	1.45	11.24	9.37	1.46
	0.0	7.98	7.05	1.58	9.02	7.11	1.61	9.50	7.76	1.62	10.18	8.15	1.64	10.88	8.34	1.66	11.21	9.26	1.67
	5.0	7.81	6.99	1.96	8.82	7.05	1.99	9.30	7.70	2.01	9.96	8.08	2.03	10.65	8.27	2.05	10.98	9.19	2.06
	10.0	7.80	6.98	1.95	8.81	7.04	1.98	9.29	7.69	2.00	9.95	8.07	2.02	10.63	8.26	2.04	10.96	9.18	2.05
	15.0	7.72	6.97	1.93	8.73	7.03	1.97	9.20	7.68	1.98	9.85	8.06	2.01	10.53	8.24	2.03	10.86	9.16	2.04
	19.4	8.28	7.13	2.34	9.36	7.19	2.38	9.87	7.86	2.40	10.56	8.24	2.43	11.29	8.44	2.46	11.64	9.37	2.47
	25.0	8.84	7.29	2.95	9.99	7.36	3.00	10.53	8.04	3.02	11.28	8.43	3.06	12.05	8.63	3.09	12.43	9.59	3.11
	30.6	8.74	7.29	3.56	9.88	7.35	3.62	10.41	8.03	3.65	11.15	8.43	3.69	11.92	8.62	3.74	12.29	9.58	3.76
	35.0	8.64	7.29	4.17	9.76	7.35	4.25	10.29	8.03	4.28	11.02	8.42	4.33	11.78	8.62	4.38	12.14	9.58	4.40
	40.0	6.84	6.43	3.26	7.73	6.48	3.32	8.15	7.08	3.34	8.73	7.43	3.38	9.33	7.60	3.42	9.62	8.45	3.44
	46.1	5.05	5.04	2.34	5.70	5.39	2.38	6.01	5.89	2.40	6.44	6.18	2.43	6.88	6.32	2.46	7.09	7.03	2.47

● Indoor units: 7,000 Btu + 7,000 Btu + 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	28.34	24.88	1.13	32.02	25.09	1.15	33.76	27.41	1.16	36.14	28.76	1.17	38.64	29.43	1.18	39.83	32.70	1.19
	23	27.57	24.59	1.31	31.16	24.80	1.34	32.85	27.09	1.35	35.17	28.43	1.36	37.60	29.08	1.38	38.76	32.32	1.38
	32	27.51	24.30	1.50	31.09	24.51	1.52	32.78	26.77	1.54	35.09	28.09	1.55	37.51	28.74	1.57	38.67	31.94	1.58
	41	26.93	24.11	1.85	30.43	24.32	1.89	32.08	26.57	1.90	34.34	27.88	1.92	36.71	28.52	1.94	37.85	31.70	1.95
	50	26.89	24.07	1.84	30.39	24.28	1.87	32.04	26.52	1.89	34.30	27.83	1.91	36.67	28.47	1.93	37.80	31.65	1.94
	59	26.64	24.03	1.83	30.10	24.24	1.86	31.73	26.47	1.88	33.98	27.78	1.90	36.32	28.42	1.92	37.44	31.59	1.93
	67	28.56	24.59	2.22	32.28	24.81	2.25	34.03	27.09	2.27	36.43	28.43	2.30	38.94	29.09	2.32	40.15	32.33	2.34
	77	30.48	25.15	2.79	34.45	25.37	2.84	36.32	27.71	2.86	38.88	29.08	2.89	41.57	29.75	2.93	42.85	33.07	2.94
	87	30.14	25.14	3.37	34.06	25.36	3.43	35.90	27.70	3.46	38.44	29.06	3.50	41.09	29.73	3.54	42.36	33.05	3.56
	95	29.79	25.12	3.95	33.67	25.34	4.02	35.49	27.68	4.05	38.00	29.04	4.10	40.62	29.72	4.15	41.88	33.03	4.17
	104	23.59	22.16	3.09	26.66	22.35	3.14	28.11	24.41	3.17	30.10	25.62	3.20	32.17	26.21	3.24	33.17	29.13	3.25
	115	17.40	17.38	2.22	19.66	18.59	2.26	20.73	20.30	2.28	22.19	21.30	2.30	23.72	21.80	2.33	24.45	24.22	2.34

		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	8.31	7.29	1.13	9.39	7.35	1.15	9.89	8.03	1.16	10.59	8.43	1.17	11.32	8.62	1.18	11.67	9.58	1.19
	-5.0	8.08	7.21	1.31	9.13	7.27	1.34	9.63	7.94	1.35	10.31	8.33	1.36	11.02	8.52	1.38	11.36	9.47	1.38
	0.0	8.06	7.12	1.50	9.11	7.18	1.52	9.61	7.85	1.54	10.28	8.23	1.55	10.99	8.42	1.57	11.33	9.36	1.58
	5.0	7.89	7.07	1.85	8.92	7.13	1.89	9.40	7.79	1.90	10.07	8.17	1.92	10.76	8.36	1.94	11.09	9.29	1.95
	10.0	7.88	7.06	1.84	8.91	7.12	1.87	9.39	7.77	1.89	10.05	8.16	1.91	10.75	8.35	1.93	11.08	9.27	1.94
	15.0	7.81	7.04	1.83	8.82	7.10	1.86	9.30	7.76	1.88	9.96	8.14	1.90	10.64	8.33	1.92	10.97	9.26	1.93
	19.4	8.37	7.21	2.22	9.46	7.27	2.25	9.97	7.94	2.27	10.68	8.33	2.30	11.41	8.53	2.32	11.77	9.47	2.34
	25.0	8.93	7.37	2.79	10.10	7.44	2.84	10.64	8.12	2.86	11.40	8.52	2.89	12.18	8.72	2.93	12.56	9.69	2.94
	30.6	8.83	7.37	3.37	9.98	7.43	3.43	10.52	8.12	3.46	11.27	8.52	3.50	12.04	8.71	3.54	12.42	9.69	3.56
	35.0	8.73	7.36	3.95	9.87	7.43	4.02	10.40	8.11	4.05	11.14	8.51	4.10	11.91	8.71	4.15	12.27	9.68	4.17
	40.0	6.92	6.49	3.09	7.81	6.55	3.14	8.24	7.15	3.17	8.82	7.51	3.20	9.43	7.68	3.24	9.72	8.54	3.25
	46.1	5.10	5.09	2.22	5.76	5.45	2.26	6.07	5.95	2.28	6.50	6.24	2.30	6.95	6.39	2.33	7.17	7.10	2.34

● Indoor units: 7,000 Btu + 7,000 Btu + 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	28.34	24.88	1.20	32.02	25.09	1.23	33.76	27.41	1.24	36.14	28.76	1.25	38.64	29.43	1.26	39.83	32.70	1.27
	23	27.57	24.59	1.40	31.16	24.80	1.43	32.85	27.09	1.44	35.17	28.43	1.45	37.60	29.08	1.47	38.76	32.32	1.48
	32	27.51	24.30	1.60	31.09	24.51	1.63	32.78	26.77	1.64	35.09	28.09	1.66	37.51	28.74	1.68	38.67	31.94	1.69
	41	26.93	24.11	1.98	30.43	24.32	2.01	32.08	26.57	2.03	34.34	27.88	2.05	36.71	28.52	2.08	37.85	31.70	2.09
	50	26.89	24.07	1.97	30.39	24.28	2.00	32.04	26.52	2.02	34.30	27.83	2.04	36.67	28.47	2.06	37.80	31.65	2.08
	59	26.64	24.03	1.96	30.10	24.24	1.99	31.73	26.47	2.01	33.98	27.78	2.03	36.32	28.42	2.05	37.44	31.59	2.06
	67	28.56	24.59	2.37	32.28	24.81	2.41	34.03	27.09	2.43	36.43	28.43	2.46	38.94	29.09	2.48	40.15	32.33	2.50
	77	30.48	25.15	2.98	34.45	25.37	3.03	36.32	27.71	3.06	38.88	29.08	3.09	41.57	29.75	3.13	42.85	33.07	3.14
	87	30.14	25.14	3.60	34.06	25.36	3.67	35.90	27.70	3.70	38.44	29.06	3.74	41.09	29.73	3.78	42.36	33.05	3.80
	95	29.79	25.12	4.22	33.67	25.34	4.30	35.49	27.68	4.33	38.00	29.04	4.38	40.62	29.72	4.43	41.88	33.03	4.45
	104	23.59	22.16	3.30	26.66	22.35	3.35	28.11	24.41	3.38	30.10	25.62	3.42	32.17	26.21	3.46	33.17	29.13	3.48
	115	17.40	17.38	2.37	19.66	18.59	2.41	20.73	20.30	2.43	22.19	21.30	2.46	23.72	21.80	2.49	24.45	24.22	2.50

		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	8.31	7.29	1.20	9.39	7.35	1.23	9.89	8.03	1.24	10.59	8.43	1.25	11.32	8.62	1.26	11.67	9.58	1.27
	-5.0	8.08	7.21	1.40	9.13	7.27	1.43	9.63	7.94	1.44	10.31	8.33	1.45	11.02	8.52	1.47	11.36	9.47	1.48
	0.0	8.06	7.12	1.60	9.11	7.18	1.63	9.61	7.85	1.64	10.28	8.23	1.66	10.99	8.42	1.68	11.33	9.36	1.69
	5.0	7.89	7.07	1.98	8.92	7.13	2.01	9.40	7.79	2.03	10.07	8.17	2.05	10.76	8.36	2.08	11.09	9.29	2.09
	10.0	7.88	7.06	1.97	8.91	7.12	2.00	9.39	7.77	2.02	10.05	8.16	2.04	10.75	8.35	2.06	11.08	9.27	2.08
	15.0	7.81	7.04	1.96	8.82	7.10	1.99	9.30	7.76	2.01	9.96	8.14	2.03	10.64	8.33	2.05	10.97	9.26	2.06
	19.4	8.37	7.21	2.37	9.46	7.27	2.41	9.97	7.94	2.43	10.68	8.33	2.46	11.41	8.53	2.48	11.77	9.47	2.50
	25.0	8.93	7.37	2.98	10.10	7.44	3.03	10.64	8.12	3.06	11.40	8.52	3.09	12.18	8.72	3.13	12.56	9.69	3.14
	30.6	8.83	7.37	3.60	9.98	7.43	3.67	10.52	8.12	3.70	11.27	8.52	3.74	12.04	8.71	3.78	12.42	9.69	3.80
	35.0	8.73	7.36	4.22	9.87	7.43	4.30	10.40	8.11	4.33	11.14	8.51	4.38	11.91	8.71	4.43	12.27	9.68	4.45
	40.0	6.92	6.49	3.30	7.81	6.55	3.35	8.24	7.15	3.38	8.82	7.51	3.42	9.43	7.68	3.46	9.72	8.54	3.48
	46.1	5.10	5.09	2.37	5.76	5.45	2.41	6.07	5.95	2.43	6.50	6.24	2.46	6.95	6.39	2.49	7.17	7.10	2.50

● Indoor units: 7,000 Btu + 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	27.89	24.48	1.18	31.52	24.70	1.21	33.23	26.97	1.22	35.57	28.31	1.23	38.03	28.96	1.24	39.20	32.19	1.25
	23	27.14	24.20	1.38	30.67	24.41	1.40	32.33	26.66	1.42	34.62	27.98	1.43	37.01	28.62	1.45	38.15	31.81	1.46
	32	27.08	23.92	1.57	30.60	24.12	1.60	32.26	26.35	1.61	34.54	27.65	1.63	36.92	28.29	1.65	38.06	31.44	1.66
	41	26.50	23.73	1.95	29.95	23.94	1.98	31.57	26.15	2.00	33.80	27.44	2.02	36.13	28.07	2.04	37.25	31.20	2.05
	50	26.47	23.69	1.94	29.91	23.90	1.97	31.53	26.10	1.99	33.76	27.39	2.01	36.09	28.02	2.03	37.21	31.15	2.04
	59	26.22	23.65	1.93	29.63	23.86	1.96	31.23	26.05	1.98	33.44	27.34	2.00	35.75	27.97	2.02	36.85	31.09	2.03
	67	28.11	24.20	2.33	31.77	24.41	2.37	33.49	26.66	2.39	35.85	27.98	2.42	38.33	28.63	2.44	39.51	31.82	2.46
	77	30.00	24.76	2.93	33.91	24.97	2.99	35.74	27.28	3.01	38.27	28.62	3.04	40.91	29.28	3.08	42.17	32.55	3.09
	87	29.66	24.74	3.54	33.52	24.96	3.61	35.34	27.26	3.64	37.83	28.60	3.68	40.45	29.27	3.72	41.69	32.52	3.74
	95	29.32	24.73	4.15	33.14	24.94	4.23	34.93	27.24	4.26	37.40	28.59	4.31	39.98	29.25	4.36	41.21	32.50	4.38
	104	23.22	21.81	3.24	26.24	22.00	3.30	27.67	24.03	3.33	29.62	25.21	3.36	31.66	25.80	3.40	32.64	28.67	3.42
	115	17.12	17.11	2.33	19.35	18.29	2.37	20.40	19.98	2.39	21.84	20.97	2.42	23.35	21.45	2.45	24.07	23.84	2.46

		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	8.17	7.18	1.18	9.24	7.24	1.21	9.74	7.91	1.22	10.43	8.30	1.23	11.15	8.49	1.24	11.49	9.43	1.25
	-5.0	7.95	7.09	1.38	8.99	7.15	1.40	9.48	7.81	1.42	10.15	8.20	1.43	10.85	8.39	1.45	11.18	9.32	1.46
	0.0	7.94	7.01	1.57	8.97	7.07	1.60	9.45	7.72	1.61	10.12	8.10	1.63	10.82	8.29	1.65	11.15	9.21	1.66
	5.0	7.77	6.96	1.95	8.78	7.02	1.98	9.25	7.66	2.00	9.91	8.04	2.02	10.59	8.23	2.04	10.92	9.14	2.05
	10.0	7.76	6.94	1.94	8.77	7.00	1.97	9.24	7.65	1.99	9.89	8.03	2.01	10.58	8.21	2.03	10.90	9.13	2.04
	15.0	7.68	6.93	1.93	8.68	6.99	1.96	9.15	7.64	1.98	9.80	8.01	2.00	10.48	8.20	2.02	10.80	9.11	2.03
	19.4	8.24	7.09	2.33	9.31	7.16	2.37	9.81	7.81	2.39	10.51	8.20	2.42	11.23	8.39	2.44	11.58	9.32	2.46
	25.0	8.79	7.26	2.93	9.94	7.32	2.99	10.48	7.99	3.01	11.22	8.39	3.04	11.99	8.58	3.08	12.36	9.54	3.09
	30.6	8.69	7.25	3.54	9.82	7.31	3.61	10.36	7.99	3.64	11.09	8.38	3.68	11.85	8.58	3.72	12.22	9.53	3.74
	35.0	8.59	7.25	4.15	9.71	7.31	4.23	10.24	7.98	4.26	10.96	8.38	4.31	11.72	8.57	4.36	12.08	9.53	4.38
	40.0	6.81	6.39	3.24	7.69	6.45	3.30	8.11	7.04	3.33	8.68	7.39	3.36	9.28	7.56	3.40	9.57	8.40	3.42
	46.1	5.02	5.01	2.33	5.67	5.36	2.37	5.98	5.86	2.39	6.40	6.15	2.42	6.84	6.29	2.45	7.05	6.99	2.46

● Indoor units: 7,000 Btu + 9,000 Btu + 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	28.34	24.88	1.20	32.02	25.09	1.23	33.76	27.41	1.24	36.14	28.76	1.25	38.64	29.43	1.26	39.83	32.70	1.27
	23	27.57	24.59	1.40	31.16	24.80	1.43	32.85	27.09	1.44	35.17	28.43	1.45	37.60	29.08	1.47	38.76	32.32	1.48
	32	27.51	24.30	1.60	31.09	24.51	1.63	32.78	26.77	1.64	35.09	28.09	1.66	37.51	28.74	1.68	38.67	31.94	1.69
	41	26.93	24.11	1.98	30.43	24.32	2.01	32.08	26.57	2.03	34.34	27.88	2.05	36.71	28.52	2.08	37.85	31.70	2.09
	50	26.89	24.07	1.97	30.39	24.28	2.00	32.04	26.52	2.02	34.30	27.83	2.04	36.67	28.47	2.06	37.80	31.65	2.08
	59	26.64	24.03	1.96	30.10	24.24	1.99	31.73	26.47	2.01	33.98	27.78	2.03	36.32	28.42	2.05	37.44	31.59	2.06
	67	28.56	24.59	2.37	32.28	24.81	2.41	34.03	27.09	2.43	36.43	28.43	2.46	38.94	29.09	2.48	40.15	32.33	2.50
	77	30.48	25.15	2.98	34.45	25.37	3.03	36.32	27.71	3.06	38.88	29.08	3.09	41.57	29.75	3.13	42.85	33.07	3.14
	87	30.14	25.14	3.60	34.06	25.36	3.67	35.90	27.70	3.70	38.44	29.06	3.74	41.09	29.73	3.78	42.36	33.05	3.80
	95	29.79	25.12	4.22	33.67	25.34	4.30	35.49	27.68	4.33	38.00	29.04	4.38	40.62	29.72	4.43	41.88	33.03	4.45
	104	23.59	22.16	3.30	26.66	22.35	3.35	28.11	24.41	3.38	30.10	25.62	3.42	32.17	26.21	3.46	33.17	29.13	3.48
	115	17.40	17.38	2.37	19.66	18.59	2.41	20.73	20.30	2.43	22.19	21.30	2.46	23.72	21.80	2.49	24.45	24.22	2.50

		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	8.31	7.29	1.20	9.39	7.35	1.23	9.89	8.03	1.24	10.59	8.43	1.25	11.32	8.62	1.26	11.67	9.58	1.27
	-5.0	8.08	7.21	1.40	9.13	7.27	1.43	9.63	7.94	1.44	10.31	8.33	1.45	11.02	8.52	1.47	11.36	9.47	1.48
	0.0	8.06	7.12	1.60	9.11	7.18	1.63	9.61	7.85	1.64	10.28	8.23	1.66	10.99	8.42	1.68	11.33	9.36	1.69
	5.0	7.89	7.07	1.98	8.92	7.13	2.01	9.40	7.79	2.03	10.07	8.17	2.05	10.76	8.36	2.08	11.09	9.29	2.09
	10.0	7.88	7.06	1.97	8.91	7.12	2.00	9.39	7.77	2.02	10.05	8.16	2.04	10.75	8.35	2.06	11.08	9.27	2.08
	15.0	7.81	7.04	1.96	8.82	7.10	1.99	9.30	7.76	2.01	9.96	8.14	2.03	10.64	8.33	2.05	10.97	9.26	2.06
	19.4	8.37	7.21	2.37	9.46	7.27	2.41	9.97	7.94	2.43	10.68	8.33	2.46	11.41	8.53	2.48	11.77	9.47	2.50
	25.0	8.93	7.37	2.98	10.10	7.44	3.03	10.64	8.12	3.06	11.40	8.52	3.09	12.18	8.72	3.13	12.56	9.69	3.14
	30.6	8.83	7.37	3.60	9.98	7.43	3.67	10.52	8.12	3.70	11.27	8.52	3.74	12.04	8.71	3.78	12.42	9.69	3.80
	35.0	8.73	7.36	4.22	9.87	7.43	4.30	10.40	8.11	4.33	11.14	8.51	4.38	11.91	8.71	4.43	12.27	9.68	4.45
	40.0	6.92	6.49	3.30	7.81	6.55	3.35	8.24	7.15	3.38	8.82	7.51	3.42	9.43	7.68	3.46	9.72	8.54	3.48
	46.1	5.10	5.09	2.37	5.76	5.45	2.41	6.07	5.95	2.43	6.50	6.24	2.46	6.95	6.39	2.49	7.17	7.10	2.50

● Indoor units: 9,000 Btu + 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	28.34	24.88	1.20	32.02	25.09	1.23	33.76	27.41	1.24	36.14	28.76	1.25	38.64	29.43	1.26	39.83	32.70	1.27
	23	27.57	24.59	1.40	31.16	24.80	1.43	32.85	27.09	1.44	35.17	28.43	1.45	37.60	29.08	1.47	38.76	32.32	1.48
	32	27.51	24.30	1.60	31.09	24.51	1.63	32.78	26.77	1.64	35.09	28.09	1.66	37.51	28.74	1.68	38.67	31.94	1.69
	41	26.93	24.11	1.98	30.43	24.32	2.01	32.08	26.57	2.03	34.34	27.88	2.05	36.71	28.52	2.08	37.85	31.70	2.09
	50	26.89	24.07	1.97	30.39	24.28	2.00	32.04	26.52	2.02	34.30	27.83	2.04	36.67	28.47	2.06	37.80	31.65	2.08
	59	26.64	24.03	1.96	30.10	24.24	1.99	31.73	26.47	2.01	33.98	27.78	2.03	36.32	28.42	2.05	37.44	31.59	2.06
	67	28.56	24.59	2.37	32.28	24.81	2.41	34.03	27.09	2.43	36.43	28.43	2.46	38.94	29.09	2.48	40.15	32.33	2.50
	77	30.48	25.15	2.98	34.45	25.37	3.03	36.32	27.71	3.06	38.88	29.08	3.09	41.57	29.75	3.13	42.85	33.07	3.14
	87	30.14	25.14	3.60	34.06	25.36	3.67	35.90	27.70	3.70	38.44	29.06	3.74	41.09	29.73	3.78	42.36	33.05	3.80
	95	29.79	25.12	4.22	33.67	25.34	4.30	35.49	27.68	4.33	38.00	29.04	4.38	40.62	29.72	4.43	41.88	33.03	4.45
	104	23.59	22.16	3.30	26.66	22.35	3.35	28.11	24.41	3.38	30.10	25.62	3.42	32.17	26.21	3.46	33.17	29.13	3.48
	115	17.40	17.38	2.37	19.66	18.59	2.41	20.73	20.30	2.43	22.19	21.30	2.46	23.72	21.80	2.49	24.45	24.22	2.50

		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	8.31	7.29	1.20	9.39	7.35	1.23	9.89	8.03	1.24	10.59	8.43	1.25	11.32	8.62	1.26	11.67	9.58	1.27
	-5.0	8.08	7.21	1.40	9.13	7.27	1.43	9.63	7.94	1.44	10.31	8.33	1.45	11.02	8.52	1.47	11.36	9.47	1.48
	0.0	8.06	7.12	1.60	9.11	7.18	1.63	9.61	7.85	1.64	10.28	8.23	1.66	10.99	8.42	1.68	11.33	9.36	1.69
	5.0	7.89	7.07	1.98	8.92	7.13	2.01	9.40	7.79	2.03	10.07	8.17	2.05	10.76	8.36	2.08	11.09	9.29	2.09
	10.0	7.88	7.06	1.97	8.91	7.12	2.00	9.39	7.77	2.02	10.05	8.16	2.04	10.75	8.35	2.06	11.08	9.27	2.08
	15.0	7.81	7.04	1.96	8.82	7.10	1.99	9.30	7.76	2.01	9.96	8.14	2.03	10.64	8.33	2.05	10.97	9.26	2.06
	19.4	8.37	7.21	2.37	9.46	7.27	2.41	9.97	7.94	2.43	10.68	8.33	2.46	11.41	8.53	2.48	11.77	9.47	2.50
	25.0	8.93	7.37	2.98	10.10	7.44	3.03	10.64	8.12	3.06	11.40	8.52	3.09	12.18	8.72	3.13	12.56	9.69	3.14
	30.6	8.83	7.37	3.60	9.98	7.43	3.67	10.52	8.12	3.70	11.27	8.52	3.74	12.04	8.71	3.78	12.42	9.69	3.80
	35.0	8.73	7.36	4.22	9.87	7.43	4.30	10.40	8.11	4.33	11.14	8.51	4.38	11.91	8.71	4.43	12.27	9.68	4.45
	40.0	6.92	6.49	3.30	7.81	6.55	3.35	8.24	7.15	3.38	8.82	7.51	3.42	9.43	7.68	3.46	9.72	8.54	3.48
	46.1	5.10	5.09	2.37	5.76	5.45	2.41	6.07	5.95	2.43	6.50	6.24	2.46	6.95	6.39	2.49	7.17	7.10	2.50

● Indoor units: 18,000 Btu + 18,000 Btu (with optional kit RXK9FZ1818)

		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	26.85	23.57	1.20	30.34	23.77	1.22	31.98	25.97	1.23	34.24	27.25	1.24	36.61	27.88	1.26	37.74	30.98	1.26
	23	26.12	23.29	1.40	29.52	23.50	1.42	31.12	25.66	1.43	33.32	26.93	1.45	35.62	27.55	1.46	36.72	30.62	1.47
	32	26.06	23.02	1.59	29.45	23.22	1.62	31.05	25.36	1.63	33.24	26.61	1.65	35.54	27.23	1.67	36.64	30.26	1.68
	41	25.51	22.84	1.97	28.83	23.04	2.00	30.39	25.17	2.02	32.54	26.41	2.04	34.78	27.02	2.07	35.86	30.03	2.08
	50	25.48	22.81	1.96	28.79	23.00	1.99	30.35	25.13	2.01	32.50	26.37	2.03	34.74	26.98	2.06	35.81	29.98	2.07
	59	25.24	22.76	1.95	28.52	22.96	1.98	30.06	25.08	2.00	32.19	26.32	2.02	34.41	26.93	2.04	35.47	29.92	2.05
	67	27.06	23.30	2.36	30.58	23.50	2.40	32.23	25.67	2.42	34.51	26.93	2.44	36.89	27.56	2.47	38.03	30.63	2.49
	77	28.88	23.83	2.97	32.64	24.04	3.02	34.41	26.25	3.04	36.84	27.55	3.08	39.38	28.19	3.11	40.59	31.33	3.13
	87	28.55	23.82	3.59	32.27	24.02	3.65	34.02	26.24	3.68	36.42	27.53	3.72	38.93	28.17	3.76	40.13	31.31	3.78
	95	28.22	23.80	4.20	31.90	24.01	4.28	33.62	26.22	4.31	36.00	27.52	4.36	38.48	28.15	4.41	39.67	31.29	4.43
	104	22.35	20.99	3.28	25.26	21.18	3.34	26.63	23.13	3.37	28.51	24.27	3.40	30.48	24.83	3.44	31.42	27.60	3.46
	115	16.48	16.47	2.36	18.63	17.61	2.40	19.64	19.23	2.42	21.02	20.18	2.45	22.47	20.65	2.48	23.17	22.95	2.49

		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	7.87	6.91	1.20	8.89	6.97	1.22	9.37	7.61	1.23	10.04	7.99	1.24	10.73	8.17	1.26	11.06	9.08	1.26
	-5.0	7.66	6.83	1.40	8.65	6.89	1.42	9.12	7.52	1.43	9.77	7.89	1.45	10.44	8.08	1.46	10.76	8.97	1.47
	0.0	7.64	6.75	1.59	8.63	6.81	1.62	9.10	7.43	1.63	9.74	7.80	1.65	10.42	7.98	1.67	10.74	8.87	1.68
	5.0	7.48	6.70	1.97	8.45	6.75	2.00	8.91	7.38	2.02	9.54	7.74	2.04	10.19	7.92	2.07	10.51	8.80	2.08
	10.0	7.47	6.68	1.96	8.44	6.74	1.99	8.90	7.36	2.01	9.52	7.73	2.03	10.18	7.91	2.06	10.50	8.79	2.07
	15.0	7.40	6.67	1.95	8.36	6.73	1.98	8.81	7.35	2.00	9.43	7.71	2.02	10.08	7.89	2.04	10.40	8.77	2.05
	19.4	7.93	6.83	2.36	8.96	6.89	2.40	9.45	7.52	2.42	10.12	7.89	2.44	10.81	8.08	2.47	11.15	8.98	2.49
	25.0	8.46	6.98	2.97	9.57	7.05	3.02	10.08	7.69	3.04	10.80	8.07	3.08	11.54	8.26	3.11	11.90	9.18	3.13
	30.6	8.37	6.98	3.59	9.46	7.04	3.65	9.97	7.69	3.68	10.67	8.07	3.72	11.41	8.26	3.76	11.76	9.18	3.78
	35.0	8.27	6.98	4.20	9.35	7.04	4.28	9.85	7.68	4.31	10.55	8.06	4.36	11.28	8.25	4.41	11.63	9.17	4.43
	40.0	6.55	6.15	3.28	7.40	6.21	3.34	7.80	6.78	3.37	8.36	7.11	3.40	8.93	7.28	3.44	9.21	8.09	3.46
	46.1	4.83	4.83	2.36	5.46	5.16	2.40	5.75	5.64	2.42	6.16	5.92	2.45	6.59	6.05	2.48	6.79	6.73	2.49

6-3. Heating capacity

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

Model: ROMH36AFXZJ

TC: Total Capacity, IP: Input Power

The data is based on the following conditions:

Pipe length: 7.5 m, Height difference: 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
	5	3	7.26	1.21	7.08	1.24	6.91	1.26	6.74	1.29	6.56	1.31
	14	12	8.83	1.23	8.62	1.26	8.41	1.28	8.20	1.31	7.99	1.33
	23	19	10.19	1.25	9.95	1.27	9.71	1.30	9.46	1.33	9.22	1.35
	32	28	10.84	1.18	10.58	1.20	10.32	1.23	10.06	1.25	9.81	1.28
	41	37	11.36	1.16	11.09	1.19	10.82	1.21	10.55	1.24	10.28	1.26
	47	43	11.99	1.22	11.71	1.25	11.42	1.28	11.14	1.30	10.85	1.33
	50	47	12.19	1.22	11.90	1.25	11.61	1.27	11.32	1.30	11.03	1.32
	59	50	12.78	1.21	12.47	1.23	12.17	1.26	11.86	1.28	11.56	1.31
	68	59	12.99	1.04	12.68	1.06	12.37	1.09	12.06	1.11	11.75	1.13
	75	65	13.71	1.04	13.39	1.06	13.06	1.08	12.73	1.10	12.41	1.12

			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	
	-15.0	-16.1	2.13	1.21	2.08	1.24	2.03	1.26	1.97	1.29	1.92	1.31
	-10.0	-11.1	2.59	1.23	2.53	1.26	2.46	1.28	2.40	1.31	2.34	1.33
	-5.0	-7.2	2.99	1.25	2.92	1.27	2.84	1.30	2.77	1.33	2.70	1.35
	0.0	-2.2	3.18	1.18	3.10	1.20	3.03	1.23	2.95	1.25	2.87	1.28
	5.0	2.8	3.33	1.16	3.25	1.19	3.17	1.21	3.09	1.24	3.01	1.26
	8.3	6.1	3.52	1.22	3.43	1.25	3.35	1.28	3.26	1.30	3.18	1.33
	10.0	8.3	3.57	1.22	3.49	1.25	3.40	1.27	3.32	1.30	3.23	1.32
	15.0	10.0	3.74	1.21	3.66	1.23	3.57	1.26	3.48	1.28	3.39	1.31
	20.0	15.0	3.81	1.04	3.72	1.06	3.63	1.09	3.54	1.11	3.44	1.13
	23.9	18.3	4.02	1.04	3.92	1.06	3.83	1.08	3.73	1.10	3.64	1.12

● 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
	5	3	8.82	1.35	8.61	1.38	8.40	1.40	8.19	1.43	7.98	1.46
	14	12	10.74	1.37	10.48	1.40	10.23	1.43	9.97	1.45	9.71	1.48
	23	19	12.39	1.39	12.10	1.42	11.80	1.45	11.51	1.47	11.21	1.50
	32	28	13.18	1.31	12.87	1.34	12.55	1.36	12.24	1.39	11.92	1.42
	41	37	13.81	1.29	13.48	1.32	13.16	1.35	12.83	1.38	12.50	1.40
	47	43	14.58	1.36	14.24	1.39	13.89	1.42	13.54	1.45	13.19	1.47
	50	47	14.82	1.36	14.47	1.38	14.12	1.41	13.76	1.44	13.41	1.47
	59	50	15.54	1.34	15.17	1.37	14.80	1.40	14.43	1.43	14.06	1.46
	68	59	15.79	1.16	15.42	1.18	15.04	1.21	14.67	1.23	14.29	1.26
	75	65	16.68	1.15	16.28	1.18	15.88	1.20	15.48	1.23	15.09	1.25

			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	
	-15.0	-16.1	2.59	1.35	2.52	1.38	2.46	1.40	2.40	1.43	2.34	1.46
	-10.0	-11.1	3.15	1.37	3.07	1.40	3.00	1.43	2.92	1.45	2.85	1.48
	-5.0	-7.2	3.63	1.39	3.55	1.42	3.46	1.45	3.37	1.47	3.29	1.50
	0.0	-2.2	3.86	1.31	3.77	1.34	3.68	1.36	3.59	1.39	3.49	1.42
	5.0	2.8	4.05	1.29	3.95	1.32	3.86	1.35	3.76	1.38	3.66	1.40
	8.3	6.1	4.27	1.36	4.17	1.39	4.07	1.42	3.97	1.45	3.87	1.47
	10.0	8.3	4.34	1.36	4.24	1.38	4.14	1.41	4.03	1.44	3.93	1.47
	15.0	10.0	4.55	1.34	4.45	1.37	4.34	1.40	4.23	1.43	4.12	1.46
	20.0	15.0	4.63	1.16	4.52	1.18	4.41	1.21	4.30	1.23	4.19	1.26
	23.9	18.3	4.89	1.15	4.77	1.18	4.65	1.20	4.54	1.23	4.42	1.25

● 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
	5	3	10.73	1.75	10.47	1.78	10.22	1.82	9.96	1.86	9.71	1.89
	14	12	13.06	1.77	12.75	1.81	12.44	1.85	12.13	1.88	11.82	1.92
	23	19	15.07	1.80	14.71	1.84	14.36	1.87	14.00	1.91	13.64	1.95
	32	28	16.03	1.69	15.65	1.73	15.27	1.77	14.88	1.80	14.50	1.84
	41	37	16.80	1.68	16.40	1.71	16.00	1.75	15.60	1.78	15.20	1.82
	47	43	17.74	1.76	17.31	1.80	16.89	1.84	16.47	1.87	16.05	1.91
	50	47	18.03	1.76	17.60	1.79	17.17	1.83	16.74	1.87	16.31	1.90
	59	50	18.90	1.74	18.45	1.78	18.00	1.81	17.55	1.85	17.10	1.89
	68	59	19.21	1.50	18.75	1.53	18.30	1.56	17.84	1.59	17.38	1.63
	75	65	20.28	1.49	19.80	1.53	19.31	1.56	18.83	1.59	18.35	1.62

			Indoor temperature									
		°CDB	15.6		18.3		21.2		23.9		25.6	
Outdoor temperature	°CDB	°CWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kW		kW		kW		kW		kW	
	-15.0	-16.1	3.14	1.75	3.07	1.78	3.00	1.82	2.92	1.86	2.85	1.89
	-10.0	-11.1	3.83	1.77	3.74	1.81	3.65	1.85	3.55	1.88	3.46	1.92
	-5.0	-7.2	4.42	1.80	4.31	1.84	4.21	1.87	4.10	1.91	4.00	1.95
	0.0	-2.2	4.70	1.69	4.59	1.73	4.47	1.77	4.36	1.80	4.25	1.84
	5.0	2.8	4.92	1.68	4.81	1.71	4.69	1.75	4.57	1.78	4.45	1.82
	8.3	6.1	5.20	1.76	5.07	1.80	4.95	1.84	4.83	1.87	4.70	1.91
	10.0	8.3	5.28	1.76	5.16	1.79	5.03	1.83	4.91	1.87	4.78	1.90
	15.0	10.0	5.54	1.74	5.41	1.78	5.27	1.81	5.14	1.85	5.01	1.89
	20.0	15.0	5.63	1.50	5.50	1.53	5.36	1.56	5.23	1.59	5.09	1.63
	23.9	18.3	5.94	1.49	5.80	1.53	5.66	1.56	5.52	1.59	5.38	1.62

● Indoor units: 14,000 Btu

			Indoor temperature									
		°FDB	60		65		70		75		78	
Outdoor temperature	°FDB	°FWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
	5	3	14.59	1.92	14.24	1.96	13.90	2.00	13.55	2.04	13.20	2.08
	14	12	17.76	1.95	17.34	1.99	16.91	2.03	16.49	2.07	16.07	2.11
	23	19	20.50	1.98	20.01	2.02	19.52	2.06	19.03	2.10	18.54	2.14
	32	28	21.80	1.86	21.28	1.90	20.76	1.94	20.24	1.98	19.72	2.02
	41	37	22.85	1.84	22.30	1.88	21.76	1.92	21.21	1.96	20.67	2.00
	47	43	24.12	1.94	23.54	1.98	22.97	2.02	22.40	2.06	21.82	2.10
	50	47	24.51	1.93	23.93	1.97	23.35	2.01	22.76	2.05	22.18	2.09
	59	50	25.69	1.91	25.08	1.95	24.47	1.99	23.86	2.03	23.25	2.07
	68	59	26.12	1.65	25.50	1.68	24.88	1.72	24.26	1.75	23.63	1.79
	75	65	27.58	1.64	26.92	1.68	26.26	1.71	25.61	1.75	24.95	1.78

			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	
	-15.0	-16.1	4.28	1.92	4.17	1.96	4.07	2.00	3.97	2.04	3.87	2.08
	-10.0	-11.1	5.20	1.95	5.08	1.99	4.96	2.03	4.83	2.07	4.71	2.11
	-5.0	-7.2	6.01	1.98	5.86	2.02	5.72	2.06	5.58	2.10	5.44	2.14
	0.0	-2.2	6.39	1.86	6.24	1.90	6.08	1.94	5.93	1.98	5.78	2.02
	5.0	2.8	6.70	1.84	6.54	1.88	6.38	1.92	6.22	1.96	6.06	2.00
	8.3	6.1	7.07	1.94	6.90	1.98	6.73	2.02	6.56	2.06	6.40	2.10
	10.0	8.3	7.18	1.93	7.01	1.97	6.84	2.01	6.67	2.05	6.50	2.09
	15.0	10.0	7.53	1.91	7.35	1.95	7.17	1.99	6.99	2.03	6.81	2.07
	20.0	15.0	7.66	1.65	7.47	1.68	7.29	1.72	7.11	1.75	6.93	1.79
	23.9	18.3	8.08	1.64	7.89	1.68	7.70	1.71	7.51	1.75	7.31	1.78

● Indoor units: 18,000 Btu

			Indoor temperature									
		°FDB	60		65		70		75		78	
Outdoor temperature	°FDB	°FWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
	5	3	16.07	2.44	15.68	2.50	15.30	2.55	14.92	2.60	14.54	2.65
	14	12	19.55	2.48	19.09	2.53	18.62	2.58	18.16	2.63	17.69	2.69
	23	19	22.57	2.52	22.03	2.57	21.49	2.62	20.96	2.67	20.42	2.72
	32	28	24.00	2.37	23.43	2.42	22.86	2.47	22.29	2.52	21.71	2.57
	41	37	25.16	2.35	24.56	2.39	23.96	2.44	23.36	2.49	22.76	2.54
	47	43	26.56	2.47	25.93	2.52	25.29	2.57	24.66	2.62	24.03	2.67
	50	47	26.99	2.46	26.35	2.51	25.71	2.56	25.06	2.61	24.42	2.66
	59	50	28.29	2.43	27.62	2.49	26.95	2.54	26.27	2.59	25.60	2.64
	68	59	28.76	2.10	28.08	2.14	27.39	2.19	26.71	2.23	26.02	2.27
	75	65	30.37	2.09	29.64	2.13	28.92	2.18	28.20	2.22	27.47	2.26

			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	
	-15.0	-16.1	4.71	2.44	4.60	2.50	4.48	2.55	4.37	2.60	4.26	2.65
	-10.0	-11.1	5.73	2.48	5.59	2.53	5.46	2.58	5.32	2.63	5.19	2.69
	-5.0	-7.2	6.61	2.52	6.46	2.57	6.30	2.62	6.14	2.67	5.98	2.72
	0.0	-2.2	7.03	2.37	6.87	2.42	6.70	2.47	6.53	2.52	6.36	2.57
	5.0	2.8	7.37	2.35	7.20	2.39	7.02	2.44	6.85	2.49	6.67	2.54
	8.3	6.1	7.78	2.47	7.60	2.52	7.41	2.57	7.23	2.62	7.04	2.67
	10.0	8.3	7.91	2.46	7.72	2.51	7.53	2.56	7.35	2.61	7.16	2.66
	15.0	10.0	8.29	2.43	8.09	2.49	7.90	2.54	7.70	2.59	7.50	2.64
	20.0	15.0	8.43	2.10	8.23	2.14	8.03	2.19	7.83	2.23	7.63	2.27
	23.9	18.3	8.90	2.09	8.69	2.13	8.48	2.18	8.26	2.22	8.05	2.26

● Indoor units: 24,000 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	5	3	19.70	3.20	19.23	3.27	18.76	3.33	18.29	3.40	17.82	3.47
	14	12	23.97	3.25	23.40	3.31	22.83	3.38	22.26	3.45	21.69	3.52
	23	19	27.67	3.29	27.01	3.36	26.35	3.43	25.69	3.50	25.03	3.57
	32	28	29.42	3.10	28.72	3.17	28.02	3.23	27.32	3.30	26.62	3.36
	41	37	30.84	3.07	30.11	3.14	29.37	3.20	28.64	3.26	27.90	3.33
	47	43	32.56	3.23	31.78	3.30	31.01	3.36	30.23	3.43	29.46	3.50
	50	47	33.09	3.22	32.30	3.29	31.52	3.35	30.73	3.42	29.94	3.49
	59	50	34.69	3.19	33.86	3.25	33.03	3.32	32.21	3.39	31.38	3.45
	68	59	35.26	2.75	34.42	2.81	33.58	2.86	32.74	2.92	31.91	2.98
	75	65	37.23	2.74	36.34	2.79	35.46	2.85	34.57	2.91	33.68	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	-15.0	-16.1	5.77	3.20	5.64	3.27	5.50	3.33	5.36	3.40	5.22	3.47
	-10.0	-11.1	7.03	3.25	6.86	3.31	6.69	3.38	6.52	3.45	6.36	3.52
	-5.0	-7.2	8.11	3.29	7.92	3.36	7.72	3.43	7.53	3.50	7.34	3.57
	0.0	-2.2	8.62	3.10	8.42	3.17	8.21	3.23	8.01	3.30	7.80	3.36
	5.0	2.8	9.04	3.07	8.82	3.14	8.61	3.20	8.39	3.26	8.18	3.33
	8.3	6.1	9.54	3.23	9.32	3.30	9.09	3.36	8.86	3.43	8.63	3.50
	10.0	8.3	9.70	3.22	9.47	3.29	9.24	3.35	9.01	3.42	8.77	3.49
	15.0	10.0	10.17	3.19	9.92	3.25	9.68	3.32	9.44	3.39	9.20	3.45
	20.0	15.0	10.34	2.75	10.09	2.81	9.84	2.86	9.60	2.92	9.35	2.98
	23.9	18.3	10.91	2.74	10.65	2.79	10.39	2.85	10.13	2.91	9.87	2.96

● Indoor units: 7,000 Btu + 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	5	3	22.93	3.18	22.38	3.24	21.84	3.31	21.29	3.38	20.75	3.44
	14	12	27.91	3.22	27.24	3.29	26.58	3.36	25.92	3.43	25.25	3.49
	23	19	32.21	3.27	31.45	3.34	30.68	3.41	29.91	3.47	29.14	3.54
	32	28	34.25	3.08	33.44	3.15	32.62	3.21	31.81	3.28	30.99	3.34
	41	37	35.90	3.05	35.05	3.11	34.19	3.18	33.34	3.24	32.48	3.30
	47	43	37.91	3.21	37.00	3.27	36.10	3.34	35.20	3.41	34.30	3.47
	50	47	38.52	3.20	37.61	3.26	36.69	3.33	35.77	3.40	34.86	3.46
	59	50	40.38	3.17	39.42	3.23	38.46	3.30	37.50	3.36	36.54	3.43
	68	59	41.05	2.73	40.08	2.79	39.10	2.84	38.12	2.90	37.14	2.96
	75	65	43.34	2.72	42.31	2.77	41.28	2.83	40.24	2.89	39.21	2.94

			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	-15.0	-16.1	6.72	3.18	6.56	3.24	6.40	3.31	6.24	3.38	6.08	3.44
	-10.0	-11.1	8.18	3.22	7.98	3.29	7.79	3.36	7.60	3.43	7.40	3.49
	-5.0	-7.2	9.44	3.27	9.22	3.34	8.99	3.41	8.77	3.47	8.54	3.54
	0.0	-2.2	10.04	3.08	9.80	3.15	9.56	3.21	9.32	3.28	9.08	3.34
	5.0	2.8	10.52	3.05	10.27	3.11	10.02	3.18	9.77	3.24	9.52	3.30
	8.3	6.1	11.11	3.21	10.84	3.27	10.58	3.34	10.32	3.41	10.05	3.47
	10.0	8.3	11.29	3.20	11.02	3.26	10.75	3.33	10.48	3.40	10.22	3.46
	15.0	10.0	11.84	3.17	11.55	3.23	11.27	3.30	10.99	3.36	10.71	3.43
	20.0	15.0	12.03	2.73	11.75	2.79	11.46	2.84	11.17	2.90	10.89	2.96
	23.9	18.3	12.70	2.72	12.40	2.77	12.10	2.83	11.80	2.89	11.49	2.94

● Indoor units: 7,000 Btu + 7,000 Btu + 18,000 Btu

			Indoor temperature									
		°FDB	60		65		70		75		78	
Outdoor temperature	°FDB	°FWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
	5	3	24.84	3.58	24.24	3.65	23.65	3.73	23.06	3.80	22.47	3.88
	14	12	30.23	3.63	29.51	3.71	28.79	3.78	28.07	3.86	27.35	3.93
	23	19	34.89	3.68	34.06	3.76	33.23	3.84	32.40	3.91	31.57	3.99
	32	28	37.10	3.47	36.22	3.54	35.33	3.62	34.45	3.69	33.57	3.76
	41	37	38.89	3.43	37.96	3.51	37.04	3.58	36.11	3.65	35.18	3.72
	47	43	41.06	3.61	40.08	3.68	39.10	3.76	38.12	3.84	37.15	3.91
	50	47	41.73	3.60	40.73	3.67	39.74	3.75	38.75	3.82	37.75	3.90
	59	50	43.74	3.56	42.70	3.64	41.65	3.71	40.61	3.79	39.57	3.86
	68	59	44.46	3.07	43.41	3.14	42.35	3.20	41.29	3.27	40.23	3.33
	75	65	46.94	3.06	45.82	3.12	44.71	3.19	43.59	3.25	42.47	3.32

			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	
	-15.0	-16.1	7.28	3.58	7.11	3.65	6.93	3.73	6.76	3.80	6.59	3.88
	-10.0	-11.1	8.86	3.63	8.65	3.71	8.44	3.78	8.23	3.86	8.02	3.93
	-5.0	-7.2	10.23	3.68	9.98	3.76	9.74	3.84	9.49	3.91	9.25	3.99
	0.0	-2.2	10.87	3.47	10.61	3.54	10.36	3.62	10.10	3.69	9.84	3.76
	5.0	2.8	11.40	3.43	11.13	3.51	10.85	3.58	10.58	3.65	10.31	3.72
	8.3	6.1	12.03	3.61	11.75	3.68	11.46	3.76	11.17	3.84	10.89	3.91
	10.0	8.3	12.23	3.60	11.94	3.67	11.65	3.75	11.36	3.82	11.06	3.90
	15.0	10.0	12.82	3.56	12.51	3.64	12.21	3.71	11.90	3.79	11.60	3.86
	20.0	15.0	13.03	3.07	12.72	3.14	12.41	3.20	12.10	3.27	11.79	3.33
	23.9	18.3	13.76	3.06	13.43	3.12	13.10	3.19	12.78	3.25	12.45	3.32

● Indoor units: 7,000 Btu + 7,000 Btu + 24,000 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
	5	3	26.04	3.76	25.42	3.84	24.80	3.92	24.18	3.99	23.56	4.07
	14	12	31.70	3.81	30.94	3.89	30.19	3.97	29.43	4.05	28.68	4.13
	23	19	36.58	3.87	35.71	3.95	34.84	4.03	33.97	4.11	33.10	4.19
	32	28	38.90	3.65	37.98	3.72	37.05	3.80	36.12	3.87	35.20	3.95
	41	37	40.78	3.61	39.81	3.68	38.84	3.76	37.86	3.83	36.89	3.91
	47	43	43.05	3.79	42.03	3.87	41.00	3.95	39.98	4.03	38.95	4.11
	50	47	43.75	3.78	42.71	3.86	41.67	3.94	40.63	4.02	39.59	4.10
	59	50	45.86	3.74	44.77	3.82	43.68	3.90	42.59	3.98	41.49	4.06
	68	59	46.63	3.23	45.52	3.30	44.41	3.36	43.30	3.43	42.19	3.50
	75	65	49.22	3.21	48.05	3.28	46.88	3.35	45.71	3.42	44.54	3.48

			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	
	-15.0	-16.1	7.63	3.76	7.45	3.84	7.27	3.92	7.09	3.99	6.91	4.07
	-10.0	-11.1	9.29	3.81	9.07	3.89	8.85	3.97	8.63	4.05	8.41	4.13
	-5.0	-7.2	10.72	3.87	10.47	3.95	10.21	4.03	9.96	4.11	9.70	4.19
	0.0	-2.2	11.40	3.65	11.13	3.72	10.86	3.80	10.59	3.87	10.32	3.95
	5.0	2.8	11.95	3.61	11.67	3.68	11.38	3.76	11.10	3.83	10.81	3.91
	8.3	6.1	12.62	3.79	12.32	3.87	12.02	3.95	11.72	4.03	11.42	4.11
	10.0	8.3	12.82	3.78	12.52	3.86	12.21	3.94	11.91	4.02	11.60	4.10
	15.0	10.0	13.44	3.74	13.12	3.82	12.80	3.90	12.48	3.98	12.16	4.06
	20.0	15.0	13.67	3.23	13.34	3.30	13.01	3.36	12.69	3.43	12.36	3.50
	23.9	18.3	14.43	3.21	14.08	3.28	13.74	3.35	13.40	3.42	13.05	3.48

● Indoor units: 7,000 Btu + 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	5	3	22.23	3.21	21.70	3.27	21.17	3.34	20.64	3.41	20.11	3.47
	14	12	27.06	3.25	26.41	3.32	25.77	3.39	25.13	3.46	24.48	3.52
	23	19	31.23	3.30	30.49	3.37	29.74	3.44	29.00	3.51	28.26	3.57
	32	28	33.21	3.11	32.42	3.18	31.63	3.24	30.84	3.31	30.05	3.37
	41	37	34.81	3.08	33.98	3.14	33.15	3.21	32.32	3.27	31.49	3.33
	47	43	36.75	3.24	35.88	3.30	35.00	3.37	34.13	3.44	33.25	3.50
	50	47	37.35	3.23	36.46	3.29	35.57	3.36	34.68	3.43	33.79	3.49
	59	50	39.15	3.19	38.22	3.26	37.29	3.33	36.35	3.39	35.42	3.46
	68	59	39.80	2.75	38.85	2.81	37.91	2.87	36.96	2.93	36.01	2.98
	75	65	42.02	2.74	41.02	2.80	40.02	2.86	39.02	2.91	38.02	2.97

			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	-15.0	-16.1	6.52	3.21	6.36	3.27	6.21	3.34	6.05	3.41	5.90	3.47
	-10.0	-11.1	7.93	3.25	7.74	3.32	7.55	3.39	7.36	3.46	7.18	3.52
	-5.0	-7.2	9.15	3.30	8.94	3.37	8.72	3.44	8.50	3.51	8.28	3.57
	0.0	-2.2	9.73	3.11	9.50	3.18	9.27	3.24	9.04	3.31	8.81	3.37
	5.0	2.8	10.20	3.08	9.96	3.14	9.72	3.21	9.47	3.27	9.23	3.33
	8.3	6.1	10.77	3.24	10.51	3.30	10.26	3.37	10.00	3.44	9.75	3.50
	10.0	8.3	10.95	3.23	10.69	3.29	10.43	3.36	10.16	3.43	9.90	3.49
	15.0	10.0	11.47	3.19	11.20	3.26	10.93	3.33	10.65	3.39	10.38	3.46
	20.0	15.0	11.67	2.75	11.39	2.81	11.11	2.87	10.83	2.93	10.55	2.98
	23.9	18.3	12.32	2.74	12.02	2.80	11.73	2.86	11.44	2.91	11.14	2.97

● Indoor units: 7,000 Btu + 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	5	3	24.52	3.40	23.93	3.47	23.35	3.54	22.77	3.61	22.18	3.68
	14	12	29.84	3.45	29.13	3.52	28.42	3.59	27.71	3.66	27.00	3.73
	23	19	34.44	3.50	33.62	3.57	32.80	3.64	31.98	3.71	31.16	3.79
	32	28	36.63	3.30	35.75	3.36	34.88	3.43	34.01	3.50	33.14	3.57
	41	37	38.39	3.26	37.48	3.33	36.56	3.40	35.65	3.46	34.73	3.53
	47	43	40.53	3.43	39.57	3.50	38.60	3.57	37.64	3.64	36.67	3.71
	50	47	41.19	3.42	40.21	3.49	39.23	3.56	38.25	3.63	37.27	3.70
	59	50	43.18	3.38	42.15	3.45	41.12	3.53	40.09	3.60	39.07	3.67
	68	59	43.90	2.92	42.85	2.98	41.81	3.04	40.76	3.10	39.72	3.16
	75	65	46.34	2.91	45.24	2.97	44.14	3.03	43.03	3.09	41.93	3.15

			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	-15.0	-16.1	7.19	3.40	7.01	3.47	6.84	3.54	6.67	3.61	6.50	3.68
	-10.0	-11.1	8.75	3.45	8.54	3.52	8.33	3.59	8.12	3.66	7.91	3.73
	-5.0	-7.2	10.09	3.50	9.85	3.57	9.61	3.64	9.37	3.71	9.13	3.79
	0.0	-2.2	10.73	3.30	10.48	3.36	10.22	3.43	9.97	3.50	9.71	3.57
	5.0	2.8	11.25	3.26	10.98	3.33	10.72	3.40	10.45	3.46	10.18	3.53
	8.3	6.1	11.88	3.43	11.60	3.50	11.31	3.57	11.03	3.64	10.75	3.71
	10.0	8.3	12.07	3.42	11.79	3.49	11.50	3.56	11.21	3.63	10.92	3.70
	15.0	10.0	12.65	3.38	12.35	3.45	12.05	3.53	11.75	3.60	11.45	3.67
	20.0	15.0	12.87	2.92	12.56	2.98	12.25	3.04	11.95	3.10	11.64	3.16
	23.9	18.3	13.58	2.91	13.26	2.97	12.94	3.03	12.61	3.09	12.29	3.15

● Indoor units: 7,000 Btu + 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
	5	3	25.53	3.68	24.93	3.76	24.32	3.84	23.71	3.91	23.10	3.99
	14	12	31.08	3.74	30.34	3.81	29.60	3.89	28.86	3.97	28.12	4.05
	23	19	35.87	3.79	35.02	3.87	34.16	3.95	33.31	4.03	32.45	4.11
	32	28	38.14	3.57	37.24	3.65	36.33	3.72	35.42	3.80	34.51	3.87
	41	37	39.98	3.53	39.03	3.61	38.08	3.68	37.13	3.76	36.17	3.83
	47	43	42.21	3.72	41.21	3.79	40.20	3.87	39.20	3.95	38.19	4.02
	50	47	42.90	3.70	41.88	3.78	40.86	3.86	39.84	3.94	38.81	4.01
	59	50	44.97	3.67	43.90	3.75	42.83	3.82	41.76	3.90	40.68	3.97
	68	59	45.72	3.16	44.63	3.23	43.54	3.30	42.45	3.36	41.36	3.43
	75	65	48.26	3.15	47.11	3.22	45.96	3.28	44.82	3.35	43.67	3.41

			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	
	-15.0	-16.1	7.48	3.68	7.31	3.76	7.13	3.84	6.95	3.91	6.77	3.99
	-10.0	-11.1	9.11	3.74	8.89	3.81	8.67	3.89	8.46	3.97	8.24	4.05
	-5.0	-7.2	10.51	3.79	10.26	3.87	10.01	3.95	9.76	4.03	9.51	4.11
	0.0	-2.2	11.18	3.57	10.91	3.65	10.65	3.72	10.38	3.80	10.11	3.87
	5.0	2.8	11.72	3.53	11.44	3.61	11.16	3.68	10.88	3.76	10.60	3.83
	8.3	6.1	12.37	3.72	12.08	3.79	11.78	3.87	11.49	3.95	11.19	4.02
	10.0	8.3	12.57	3.70	12.27	3.78	11.97	3.86	11.68	3.94	11.38	4.01
	15.0	10.0	13.18	3.67	12.87	3.75	12.55	3.82	12.24	3.90	11.92	3.97
	20.0	15.0	13.40	3.16	13.08	3.23	12.76	3.30	12.44	3.36	12.12	3.43
	23.9	18.3	14.15	3.15	13.81	3.22	13.47	3.28	13.13	3.35	12.80	3.41

● Indoor units: 7,000 Btu + 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
	5	3	24.52	3.54	23.93	3.61	23.35	3.69	22.77	3.76	22.18	3.84
	14	12	29.84	3.59	29.13	3.67	28.42	3.74	27.71	3.82	27.00	3.89
	23	19	34.44	3.64	33.62	3.72	32.80	3.79	31.98	3.87	31.16	3.95
	32	28	36.63	3.43	35.75	3.51	34.88	3.58	34.01	3.65	33.14	3.72
	41	37	38.39	3.40	37.48	3.47	36.56	3.54	35.65	3.61	34.73	3.68
	47	43	40.53	3.57	39.57	3.65	38.60	3.72	37.64	3.79	36.67	3.87
	50	47	41.19	3.56	40.21	3.63	39.23	3.71	38.25	3.78	37.27	3.86
	59	50	43.18	3.53	42.15	3.60	41.12	3.67	40.09	3.75	39.07	3.82
	68	59	43.90	3.04	42.85	3.10	41.81	3.17	40.76	3.23	39.72	3.29
	75	65	46.34	3.03	45.24	3.09	44.14	3.15	43.03	3.22	41.93	3.28

			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	
	-15.0	-16.1	7.19	3.54	7.01	3.61	6.84	3.69	6.67	3.76	6.50	3.84
	-10.0	-11.1	8.75	3.59	8.54	3.67	8.33	3.74	8.12	3.82	7.91	3.89
	-5.0	-7.2	10.09	3.64	9.85	3.72	9.61	3.79	9.37	3.87	9.13	3.95
	0.0	-2.2	10.73	3.43	10.48	3.51	10.22	3.58	9.97	3.65	9.71	3.72
	5.0	2.8	11.25	3.40	10.98	3.47	10.72	3.54	10.45	3.61	10.18	3.68
	8.3	6.1	11.88	3.57	11.60	3.65	11.31	3.72	11.03	3.79	10.75	3.87
	10.0	8.3	12.07	3.56	11.79	3.63	11.50	3.71	11.21	3.78	10.92	3.86
	15.0	10.0	12.65	3.53	12.35	3.60	12.05	3.67	11.75	3.75	11.45	3.82
	20.0	15.0	12.87	3.04	12.56	3.10	12.25	3.17	11.95	3.23	11.64	3.29
	23.9	18.3	13.58	3.03	13.26	3.09	12.94	3.15	12.61	3.22	12.29	3.28

● Indoor units: 7,000 Btu + 12,000 Btu + 14,000 Btu

			Indoor temperature									
		°FDB	60		65		70		75		78	
Outdoor temperature	°FDB	°FWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
	5	3	25.28	3.50	24.68	3.58	24.08	3.65	23.48	3.72	22.87	3.79
	14	12	30.77	3.55	30.04	3.63	29.30	3.70	28.57	3.77	27.84	3.85
	23	19	35.51	3.60	34.67	3.68	33.82	3.75	32.98	3.83	32.13	3.90
	32	28	37.76	3.40	36.87	3.47	35.97	3.54	35.07	3.61	34.17	3.68
	41	37	39.58	3.36	38.64	3.43	37.70	3.50	36.76	3.57	35.81	3.64
	47	43	41.79	3.53	40.80	3.61	39.80	3.68	38.81	3.75	37.81	3.83
	50	47	42.47	3.52	41.46	3.60	40.45	3.67	39.44	3.74	38.43	3.82
	59	50	44.52	3.49	43.46	3.56	42.40	3.63	41.34	3.71	40.28	3.78
	68	59	45.26	3.01	44.18	3.07	43.11	3.13	42.03	3.20	40.95	3.26
	75	65	47.78	2.99	46.65	3.06	45.51	3.12	44.37	3.18	43.23	3.24

			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	
	-15.0	-16.1	7.41	3.50	7.23	3.58	7.06	3.65	6.88	3.72	6.70	3.79
	-10.0	-11.1	9.02	3.55	8.80	3.63	8.59	3.70	8.37	3.77	8.16	3.85
	-5.0	-7.2	10.41	3.60	10.16	3.68	9.91	3.75	9.66	3.83	9.42	3.90
	0.0	-2.2	11.07	3.40	10.80	3.47	10.54	3.54	10.28	3.61	10.01	3.68
	5.0	2.8	11.60	3.36	11.33	3.43	11.05	3.50	10.77	3.57	10.50	3.64
	8.3	6.1	12.25	3.53	11.96	3.61	11.66	3.68	11.37	3.75	11.08	3.83
	10.0	8.3	12.45	3.52	12.15	3.60	11.86	3.67	11.56	3.74	11.26	3.82
	15.0	10.0	13.05	3.49	12.74	3.56	12.43	3.63	12.12	3.71	11.81	3.78
	20.0	15.0	13.27	3.01	12.95	3.07	12.63	3.13	12.32	3.20	12.00	3.26
	23.9	18.3	14.00	2.99	13.67	3.06	13.34	3.12	13.00	3.18	12.67	3.24

● Indoor units: 7,000 Btu + 12,000 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
	5	3	26.04	3.76	25.42	3.84	24.80	3.92	24.18	3.99	23.56	4.07
	14	12	31.70	3.81	30.94	3.89	30.19	3.97	29.43	4.05	28.68	4.13
	23	19	36.58	3.87	35.71	3.95	34.84	4.03	33.97	4.11	33.10	4.19
	32	28	38.90	3.65	37.98	3.72	37.05	3.80	36.12	3.87	35.20	3.95
	41	37	40.78	3.61	39.81	3.68	38.84	3.76	37.86	3.83	36.89	3.91
	47	43	43.05	3.79	42.03	3.87	41.00	3.95	39.98	4.03	38.95	4.11
	50	47	43.75	3.78	42.71	3.86	41.67	3.94	40.63	4.02	39.59	4.10
	59	50	45.86	3.74	44.77	3.82	43.68	3.90	42.59	3.98	41.49	4.06
	68	59	46.63	3.23	45.52	3.30	44.41	3.36	43.30	3.43	42.19	3.50
	75	65	49.22	3.21	48.05	3.28	46.88	3.35	45.71	3.42	44.54	3.48

			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	
	-15.0	-16.1	7.63	3.76	7.45	3.84	7.27	3.92	7.09	3.99	6.91	4.07
	-10.0	-11.1	9.29	3.81	9.07	3.89	8.85	3.97	8.63	4.05	8.41	4.13
	-5.0	-7.2	10.72	3.87	10.47	3.95	10.21	4.03	9.96	4.11	9.70	4.19
	0.0	-2.2	11.40	3.65	11.13	3.72	10.86	3.80	10.59	3.87	10.32	3.95
	5.0	2.8	11.95	3.61	11.67	3.68	11.38	3.76	11.10	3.83	10.81	3.91
	8.3	6.1	12.62	3.79	12.32	3.87	12.02	3.95	11.72	4.03	11.42	4.11
	10.0	8.3	12.82	3.78	12.52	3.86	12.21	3.94	11.91	4.02	11.60	4.10
	15.0	10.0	13.44	3.74	13.12	3.82	12.80	3.90	12.48	3.98	12.16	4.06
	20.0	15.0	13.67	3.23	13.34	3.30	13.01	3.36	12.69	3.43	12.36	3.50
	23.9	18.3	14.43	3.21	14.08	3.28	13.74	3.35	13.40	3.42	13.05	3.48

● 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
	5	3	21.53	3.10	21.02	3.17	20.51	3.23	20.00	3.30	19.48	3.36
	14	12	26.21	3.15	25.58	3.21	24.96	3.28	24.34	3.34	23.71	3.41
	23	19	30.25	3.19	29.53	3.26	28.81	3.33	28.09	3.39	27.37	3.46
	32	28	32.17	3.01	31.40	3.07	30.63	3.13	29.87	3.20	29.10	3.26
	41	37	33.72	2.98	32.91	3.04	32.11	3.10	31.31	3.16	30.50	3.23
	47	43	35.60	3.13	34.75	3.19	33.90	3.26	33.05	3.33	32.21	3.39
	50	47	36.18	3.12	35.31	3.18	34.45	3.25	33.59	3.31	32.73	3.38
	59	50	37.92	3.09	37.02	3.15	36.11	3.22	35.21	3.28	34.31	3.35
	68	59	38.55	2.66	37.63	2.72	36.72	2.78	35.80	2.83	34.88	2.89
	75	65	40.70	2.65	39.73	2.71	38.76	2.76	37.79	2.82	36.82	2.87

			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	
	-15.0	-16.1	6.31	3.10	6.16	3.17	6.01	3.23	5.86	3.30	5.71	3.36
	-10.0	-11.1	7.68	3.15	7.50	3.21	7.32	3.28	7.13	3.34	6.95	3.41
	-5.0	-7.2	8.87	3.19	8.65	3.26	8.44	3.33	8.23	3.39	8.02	3.46
	0.0	-2.2	9.43	3.01	9.20	3.07	8.98	3.13	8.75	3.20	8.53	3.26
	5.0	2.8	9.88	2.98	9.65	3.04	9.41	3.10	9.18	3.16	8.94	3.23
	8.3	6.1	10.43	3.13	10.18	3.19	9.94	3.26	9.69	3.33	9.44	3.39
	10.0	8.3	10.60	3.12	10.35	3.18	10.10	3.25	9.85	3.31	9.59	3.38
	15.0	10.0	11.11	3.09	10.85	3.15	10.58	3.22	10.32	3.28	10.06	3.35
	20.0	15.0	11.30	2.66	11.03	2.72	10.76	2.78	10.49	2.83	10.22	2.89
	23.9	18.3	11.93	2.65	11.64	2.71	11.36	2.76	11.08	2.82	10.79	2.87

● Indoor units: 9,000 Btu + 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
	5	3	23.82	3.44	23.25	3.51	22.69	3.58	22.12	3.65	21.55	3.72
	14	12	28.99	3.49	28.30	3.56	27.61	3.63	26.92	3.70	26.23	3.78
	23	19	33.46	3.53	32.66	3.61	31.87	3.68	31.07	3.76	30.27	3.83
	32	28	35.58	3.33	34.73	3.40	33.89	3.47	33.04	3.54	32.19	3.61
	41	37	37.30	3.30	36.41	3.37	35.52	3.43	34.63	3.50	33.74	3.57
	47	43	39.38	3.47	38.44	3.54	37.50	3.61	36.56	3.68	35.63	3.75
	50	47	40.02	3.45	39.07	3.53	38.11	3.60	37.16	3.67	36.21	3.74
	59	50	41.95	3.42	40.95	3.49	39.95	3.56	38.95	3.64	37.95	3.71
	68	59	42.65	2.95	41.63	3.01	40.61	3.07	39.60	3.14	38.58	3.20
	75	65	45.02	2.94	43.95	3.00	42.88	3.06	41.81	3.12	40.73	3.18

			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	
	-15.0	-16.1	6.98	3.44	6.82	3.51	6.65	3.58	6.48	3.65	6.32	3.72
	-10.0	-11.1	8.50	3.49	8.29	3.56	8.09	3.63	7.89	3.70	7.69	3.78
	-5.0	-7.2	9.81	3.53	9.57	3.61	9.34	3.68	9.11	3.76	8.87	3.83
	0.0	-2.2	10.43	3.33	10.18	3.40	9.93	3.47	9.68	3.54	9.44	3.61
	5.0	2.8	10.93	3.30	10.67	3.37	10.41	3.43	10.15	3.50	9.89	3.57
	8.3	6.1	11.54	3.47	11.27	3.54	10.99	3.61	10.72	3.68	10.44	3.75
	10.0	8.3	11.73	3.45	11.45	3.53	11.17	3.60	10.89	3.67	10.61	3.74
	15.0	10.0	12.29	3.42	12.00	3.49	11.71	3.56	11.42	3.64	11.12	3.71
	20.0	15.0	12.50	2.95	12.20	3.01	11.90	3.07	11.61	3.14	11.31	3.20
	23.9	18.3	13.20	2.94	12.88	3.00	12.57	3.06	12.25	3.12	11.94	3.18

● Indoor units: 9,000 Btu + 9,000 Btu + 14,000 Btu

			Indoor temperature									
		°FDB	60		65		70		75		78	
Outdoor temperature	°FDB	°FWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
	5	3	25.28	3.50	24.68	3.58	24.08	3.65	23.48	3.72	22.87	3.79
	14	12	30.77	3.55	30.04	3.63	29.30	3.70	28.57	3.77	27.84	3.85
	23	19	35.51	3.60	34.67	3.68	33.82	3.75	32.98	3.83	32.13	3.90
	32	28	37.76	3.40	36.87	3.47	35.97	3.54	35.07	3.61	34.17	3.68
	41	37	39.58	3.36	38.64	3.43	37.70	3.50	36.76	3.57	35.81	3.64
	47	43	41.79	3.53	40.80	3.61	39.80	3.68	38.81	3.75	37.81	3.83
	50	47	42.47	3.52	41.46	3.60	40.45	3.67	39.44	3.74	38.43	3.82
	59	50	44.52	3.49	43.46	3.56	42.40	3.63	41.34	3.71	40.28	3.78
	68	59	45.26	3.01	44.18	3.07	43.11	3.13	42.03	3.20	40.95	3.26
	75	65	47.78	2.99	46.65	3.06	45.51	3.12	44.37	3.18	43.23	3.24

			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	
	-15.0	-16.1	7.41	3.50	7.23	3.58	7.06	3.65	6.88	3.72	6.70	3.79
	-10.0	-11.1	9.02	3.55	8.80	3.63	8.59	3.70	8.37	3.77	8.16	3.85
	-5.0	-7.2	10.41	3.60	10.16	3.68	9.91	3.75	9.66	3.83	9.42	3.90
	0.0	-2.2	11.07	3.40	10.80	3.47	10.54	3.54	10.28	3.61	10.01	3.68
	5.0	2.8	11.60	3.36	11.33	3.43	11.05	3.50	10.77	3.57	10.50	3.64
	8.3	6.1	12.25	3.53	11.96	3.61	11.66	3.68	11.37	3.75	11.08	3.83
	10.0	8.3	12.45	3.52	12.15	3.60	11.86	3.67	11.56	3.74	11.26	3.82
	15.0	10.0	13.05	3.49	12.74	3.56	12.43	3.63	12.12	3.71	11.81	3.78
	20.0	15.0	13.27	3.01	12.95	3.07	12.63	3.13	12.32	3.20	12.00	3.26
	23.9	18.3	14.00	2.99	13.67	3.06	13.34	3.12	13.00	3.18	12.67	3.24

● Indoor units: 9,000 Btu + 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
	5	3	26.04	3.76	25.42	3.84	24.80	3.92	24.18	3.99	23.56	4.07
	14	12	31.70	3.81	30.94	3.89	30.19	3.97	29.43	4.05	28.68	4.13
	23	19	36.58	3.87	35.71	3.95	34.84	4.03	33.97	4.11	33.10	4.19
	32	28	38.90	3.65	37.98	3.72	37.05	3.80	36.12	3.87	35.20	3.95
	41	37	40.78	3.61	39.81	3.68	38.84	3.76	37.86	3.83	36.89	3.91
	47	43	43.05	3.79	42.03	3.87	41.00	3.95	39.98	4.03	38.95	4.11
	50	47	43.75	3.78	42.71	3.86	41.67	3.94	40.63	4.02	39.59	4.10
	59	50	45.86	3.74	44.77	3.82	43.68	3.90	42.59	3.98	41.49	4.06
	68	59	46.63	3.23	45.52	3.30	44.41	3.36	43.30	3.43	42.19	3.50
	75	65	49.22	3.21	48.05	3.28	46.88	3.35	45.71	3.42	44.54	3.48

			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	
	-15.0	-16.1	7.63	3.76	7.45	3.84	7.27	3.92	7.09	3.99	6.91	4.07
	-10.0	-11.1	9.29	3.81	9.07	3.89	8.85	3.97	8.63	4.05	8.41	4.13
	-5.0	-7.2	10.72	3.87	10.47	3.95	10.21	4.03	9.96	4.11	9.70	4.19
	0.0	-2.2	11.40	3.65	11.13	3.72	10.86	3.80	10.59	3.87	10.32	3.95
	5.0	2.8	11.95	3.61	11.67	3.68	11.38	3.76	11.10	3.83	10.81	3.91
	8.3	6.1	12.62	3.79	12.32	3.87	12.02	3.95	11.72	4.03	11.42	4.11
	10.0	8.3	12.82	3.78	12.52	3.86	12.21	3.94	11.91	4.02	11.60	4.10
	15.0	10.0	13.44	3.74	13.12	3.82	12.80	3.90	12.48	3.98	12.16	4.06
	20.0	15.0	13.67	3.23	13.34	3.30	13.01	3.36	12.69	3.43	12.36	3.50
	23.9	18.3	14.43	3.21	14.08	3.28	13.74	3.35	13.40	3.42	13.05	3.48

● Indoor units: 9,000 Btu + 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
	5	3	25.34	3.65	24.74	3.73	24.14	3.81	23.53	3.88	22.93	3.96
	14	12	30.85	3.71	30.11	3.78	29.38	3.86	28.64	3.94	27.91	4.02
	23	19	35.60	3.76	34.76	3.84	33.91	3.92	33.06	4.00	32.21	4.07
	32	28	37.86	3.54	36.96	3.62	36.06	3.69	35.16	3.77	34.25	3.84
	41	37	39.68	3.51	38.74	3.58	37.79	3.65	36.85	3.73	35.90	3.80
	47	43	41.90	3.69	40.90	3.76	39.90	3.84	38.90	3.92	37.91	3.99
	50	47	42.58	3.67	41.57	3.75	40.55	3.83	39.54	3.90	38.52	3.98
	59	50	44.63	3.64	43.57	3.72	42.51	3.79	41.44	3.87	40.38	3.94
	68	59	45.37	3.14	44.29	3.20	43.21	3.27	42.13	3.34	41.05	3.40
	75	65	47.90	3.13	46.76	3.19	45.62	3.26	44.48	3.32	43.34	3.39

			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	
	-15.0	-16.1	7.43	3.65	7.25	3.73	7.07	3.81	6.90	3.88	6.72	3.96
	-10.0	-11.1	9.04	3.71	8.83	3.78	8.61	3.86	8.39	3.94	8.18	4.02
	-5.0	-7.2	10.43	3.76	10.19	3.84	9.94	3.92	9.69	4.00	9.44	4.07
	0.0	-2.2	11.10	3.54	10.83	3.62	10.57	3.69	10.30	3.77	10.04	3.84
	5.0	2.8	11.63	3.51	11.35	3.58	11.08	3.65	10.80	3.73	10.52	3.80
	8.3	6.1	12.28	3.69	11.99	3.76	11.69	3.84	11.40	3.92	11.11	3.99
	10.0	8.3	12.48	3.67	12.18	3.75	11.89	3.83	11.59	3.90	11.29	3.98
	15.0	10.0	13.08	3.64	12.77	3.72	12.46	3.79	12.15	3.87	11.84	3.94
	20.0	15.0	13.30	3.14	12.98	3.20	12.67	3.27	12.35	3.34	12.03	3.40
	23.9	18.3	14.04	3.13	13.71	3.19	13.37	3.26	13.04	3.32	12.70	3.39

● Indoor units: 9000 Btu + 12,000 Btu + 14,000 Btu

			Indoor temperature									
		°FDB	60		65		70		75		78	
Outdoor temperature	°FDB	°FWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
	5	3	25.98	3.60	25.36	3.67	24.74	3.75	24.12	3.82	23.51	3.90
	14	12	31.62	3.65	30.87	3.73	30.11	3.80	29.36	3.88	28.61	3.95
	23	19	36.50	3.70	35.63	3.78	34.76	3.86	33.89	3.93	33.02	4.01
	32	28	38.81	3.49	37.88	3.56	36.96	3.63	36.04	3.71	35.11	3.78
	41	37	40.68	3.45	39.71	3.52	38.74	3.60	37.77	3.67	36.80	3.74
	47	43	42.95	3.63	41.92	3.70	40.90	3.78	39.88	3.86	38.86	3.93
	50	47	43.65	3.62	42.61	3.69	41.57	3.77	40.53	3.84	39.49	3.92
	59	50	45.75	3.58	44.66	3.66	43.57	3.73	42.48	3.81	41.39	3.88
	68	59	46.51	3.09	45.40	3.15	44.30	3.22	43.19	3.28	42.08	3.35
	75	65	49.10	3.08	47.93	3.14	46.77	3.20	45.60	3.27	44.43	3.33

			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	
	-15.0	-16.1	7.61	3.60	7.43	3.67	7.25	3.75	7.07	3.82	6.89	3.90
	-10.0	-11.1	9.27	3.65	9.05	3.73	8.83	3.80	8.61	3.88	8.38	3.95
	-5.0	-7.2	10.70	3.70	10.44	3.78	10.19	3.86	9.93	3.93	9.68	4.01
	0.0	-2.2	11.37	3.49	11.10	3.56	10.83	3.63	10.56	3.71	10.29	3.78
	5.0	2.8	11.92	3.45	11.64	3.52	11.35	3.60	11.07	3.67	10.79	3.74
	8.3	6.1	12.59	3.63	12.29	3.70	11.99	3.78	11.69	3.86	11.39	3.93
	10.0	8.3	12.79	3.62	12.49	3.69	12.18	3.77	11.88	3.84	11.57	3.92
	15.0	10.0	13.41	3.58	13.09	3.66	12.77	3.73	12.45	3.81	12.13	3.88
	20.0	15.0	13.63	3.09	13.31	3.15	12.98	3.22	12.66	3.28	12.33	3.35
	23.9	18.3	14.39	3.08	14.05	3.14	13.71	3.20	13.36	3.27	13.02	3.33

● Indoor units: 9,000 Btu + 12,000 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	5	3	26.04	3.76	25.42	3.84	24.80	3.92	24.18	3.99	23.56	4.07
	14	12	31.70	3.81	30.94	3.89	30.19	3.97	29.43	4.05	28.68	4.13
	23	19	36.58	3.87	35.71	3.95	34.84	4.03	33.97	4.11	33.10	4.19
	32	28	38.90	3.65	37.98	3.72	37.05	3.80	36.12	3.87	35.20	3.95
	41	37	40.78	3.61	39.81	3.68	38.84	3.76	37.86	3.83	36.89	3.91
	47	43	43.05	3.79	42.03	3.87	41.00	3.95	39.98	4.03	38.95	4.11
	50	47	43.75	3.78	42.71	3.86	41.67	3.94	40.63	4.02	39.59	4.10
	59	50	45.86	3.74	44.77	3.82	43.68	3.90	42.59	3.98	41.49	4.06
	68	59	46.63	3.23	45.52	3.30	44.41	3.36	43.30	3.43	42.19	3.50
	75	65	49.22	3.21	48.05	3.28	46.88	3.35	45.71	3.42	44.54	3.48

			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	-15.0	-16.1	7.63	3.76	7.45	3.84	7.27	3.92	7.09	3.99	6.91	4.07
	-10.0	-11.1	9.29	3.81	9.07	3.89	8.85	3.97	8.63	4.05	8.41	4.13
	-5.0	-7.2	10.72	3.87	10.47	3.95	10.21	4.03	9.96	4.11	9.70	4.19
	0.0	-2.2	11.40	3.65	11.13	3.72	10.86	3.80	10.59	3.87	10.32	3.95
	5.0	2.8	11.95	3.61	11.67	3.68	11.38	3.76	11.10	3.83	10.81	3.91
	8.3	6.1	12.62	3.79	12.32	3.87	12.02	3.95	11.72	4.03	11.42	4.11
	10.0	8.3	12.82	3.78	12.52	3.86	12.21	3.94	11.91	4.02	11.60	4.10
	15.0	10.0	13.44	3.74	13.12	3.82	12.80	3.90	12.48	3.98	12.16	4.06
	20.0	15.0	13.67	3.23	13.34	3.30	13.01	3.36	12.69	3.43	12.36	3.50
	23.9	18.3	14.43	3.21	14.08	3.28	13.74	3.35	13.40	3.42	13.05	3.48

● Indoor units: 12,000 Btu + 12,000 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	5	3	25.92	3.74	25.30	3.82	24.68	3.90	24.06	3.97	23.45	4.05
	14	12	31.54	3.79	30.79	3.87	30.04	3.95	29.29	4.03	28.54	4.11
	23	19	36.41	3.85	35.54	3.93	34.67	4.01	33.81	4.09	32.94	4.17
	32	28	38.71	3.63	37.79	3.70	36.87	3.78	35.95	3.85	35.03	3.93
	41	37	40.58	3.59	39.61	3.66	38.65	3.74	37.68	3.81	36.71	3.89
	47	43	42.84	3.77	41.82	3.85	40.80	3.93	39.78	4.01	38.76	4.09
	50	47	43.54	3.76	42.50	3.84	41.47	3.92	40.43	4.00	39.39	4.07
	59	50	45.64	3.73	44.55	3.80	43.47	3.88	42.38	3.96	41.29	4.04
	68	59	46.40	3.21	45.29	3.28	44.19	3.35	43.08	3.41	41.98	3.48
	75	65	48.98	3.20	47.82	3.27	46.65	3.33	45.48	3.40	44.32	3.46

			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	-15.0	-16.1	7.60	3.74	7.41	3.82	7.23	3.90	7.05	3.97	6.87	4.05
	-10.0	-11.1	9.24	3.79	9.02	3.87	8.80	3.95	8.58	4.03	8.36	4.11
	-5.0	-7.2	10.67	3.85	10.42	3.93	10.16	4.01	9.91	4.09	9.65	4.17
	0.0	-2.2	11.35	3.63	11.08	3.70	10.81	3.78	10.54	3.85	10.27	3.93
	5.0	2.8	11.89	3.59	11.61	3.66	11.33	3.74	11.04	3.81	10.76	3.89
	8.3	6.1	12.56	3.77	12.26	3.85	11.96	3.93	11.66	4.01	11.36	4.09
	10.0	8.3	12.76	3.76	12.46	3.84	12.15	3.92	11.85	4.00	11.55	4.07
	15.0	10.0	13.38	3.73	13.06	3.80	12.74	3.88	12.42	3.96	12.10	4.04
	20.0	15.0	13.60	3.21	13.27	3.28	12.95	3.35	12.63	3.41	12.30	3.48
	23.9	18.3	14.36	3.20	14.01	3.27	13.67	3.33	13.33	3.40	12.99	3.46

● Indoor units: 12,000 Btu + 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	5	3	26.04	3.61	25.42	3.68	24.80	3.76	24.18	3.83	23.56	3.91
	14	12	31.70	3.66	30.94	3.74	30.19	3.81	29.43	3.89	28.68	3.96
	23	19	36.58	3.71	35.71	3.79	34.84	3.87	33.97	3.94	33.10	4.02
	32	28	38.90	3.50	37.98	3.57	37.05	3.64	36.12	3.72	35.20	3.79
	41	37	40.78	3.46	39.81	3.53	38.84	3.61	37.86	3.68	36.89	3.75
	47	43	43.05	3.64	42.03	3.71	41.00	3.79	39.98	3.87	38.95	3.94
	50	47	43.75	3.63	42.71	3.70	41.67	3.78	40.63	3.85	39.59	3.93
	59	50	45.86	3.59	44.77	3.67	43.68	3.74	42.59	3.82	41.49	3.89
	68	59	46.63	3.10	45.52	3.16	44.41	3.23	43.30	3.29	42.19	3.36
	75	65	49.22	3.08	48.05	3.15	46.88	3.21	45.71	3.28	44.54	3.34

			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	-15.0	-16.1	7.63	3.61	7.45	3.68	7.27	3.76	7.09	3.83	6.91	3.91
	-10.0	-11.1	9.29	3.66	9.07	3.74	8.85	3.81	8.63	3.89	8.41	3.96
	-5.0	-7.2	10.72	3.71	10.47	3.79	10.21	3.87	9.96	3.94	9.70	4.02
	0.0	-2.2	11.40	3.50	11.13	3.57	10.86	3.64	10.59	3.72	10.32	3.79
	5.0	2.8	11.95	3.46	11.67	3.53	11.38	3.61	11.10	3.68	10.81	3.75
	8.3	6.1	12.62	3.64	12.32	3.71	12.02	3.79	11.72	3.87	11.42	3.94
	10.0	8.3	12.82	3.63	12.52	3.70	12.21	3.78	11.91	3.85	11.60	3.93
	15.0	10.0	13.44	3.59	13.12	3.67	12.80	3.74	12.48	3.82	12.16	3.89
	20.0	15.0	13.67	3.10	13.34	3.16	13.01	3.23	12.69	3.29	12.36	3.36
	23.9	18.3	14.43	3.08	14.08	3.15	13.74	3.21	13.40	3.28	13.05	3.34

● Indoor units: 7,000 Btu + 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	5	3	22.36	3.04	21.83	3.10	21.29	3.16	20.76	3.23	20.23	3.29
	14	12	27.21	3.08	26.56	3.14	25.92	3.21	25.27	3.27	24.62	3.34
	23	19	31.41	3.12	30.66	3.19	29.91	3.25	29.17	3.32	28.42	3.38
	32	28	33.40	2.94	32.60	3.01	31.81	3.07	31.01	3.13	30.22	3.19
	41	37	35.01	2.91	34.17	2.97	33.34	3.04	32.51	3.10	31.67	3.16
	47	43	36.96	3.06	36.08	3.13	35.20	3.19	34.32	3.25	33.44	3.32
	50	47	37.56	3.05	36.67	3.12	35.77	3.18	34.88	3.24	33.99	3.31
	59	50	39.37	3.02	38.44	3.09	37.50	3.15	36.56	3.21	35.62	3.28
	68	59	40.03	2.61	39.08	2.66	38.12	2.72	37.17	2.77	36.22	2.83
	75	65	42.26	2.60	41.25	2.65	40.25	2.70	39.24	2.76	38.24	2.81

			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	-15.0	-16.1	6.55	3.04	6.40	3.10	6.24	3.16	6.08	3.23	5.93	3.29
	-10.0	-11.1	7.98	3.08	7.79	3.14	7.60	3.21	7.41	3.27	7.22	3.34
	-5.0	-7.2	9.21	3.12	8.99	3.19	8.77	3.25	8.55	3.32	8.33	3.38
	0.0	-2.2	9.79	2.94	9.56	3.01	9.32	3.07	9.09	3.13	8.86	3.19
	5.0	2.8	10.26	2.91	10.02	2.97	9.77	3.04	9.53	3.10	9.28	3.16
	8.3	6.1	10.83	3.06	10.57	3.13	10.32	3.19	10.06	3.25	9.80	3.32
	10.0	8.3	11.01	3.05	10.75	3.12	10.49	3.18	10.22	3.24	9.96	3.31
	15.0	10.0	11.54	3.02	11.27	3.09	10.99	3.15	10.72	3.21	10.44	3.28
	20.0	15.0	11.73	2.61	11.45	2.66	11.17	2.72	10.89	2.77	10.61	2.83
	23.9	18.3	12.39	2.60	12.09	2.65	11.80	2.70	11.50	2.76	11.21	2.81

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

			Indoor temperature									
		°FDB	60		65		70		75		78	
Outdoor temperature	°FDB	°FWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
	5	3	23.95	3.25	23.38	3.32	22.81	3.39	22.24	3.46	21.67	3.53
	14	12	29.15	3.30	28.45	3.37	27.76	3.44	27.06	3.51	26.37	3.58
	23	19	33.64	3.35	32.84	3.42	32.04	3.49	31.24	3.56	30.44	3.63
	32	28	35.77	3.16	34.92	3.22	34.07	3.29	33.22	3.35	32.36	3.42
	41	37	37.49	3.12	36.60	3.19	35.71	3.25	34.82	3.32	33.92	3.38
	47	43	39.59	3.28	38.64	3.35	37.70	3.42	36.76	3.49	35.82	3.56
	50	47	40.23	3.27	39.27	3.34	38.32	3.41	37.36	3.48	36.40	3.55
	59	50	42.17	3.24	41.17	3.31	40.16	3.38	39.16	3.44	38.15	3.51
	68	59	42.87	2.80	41.85	2.85	40.83	2.91	39.81	2.97	38.79	3.03
	75	65	45.26	2.78	44.18	2.84	43.11	2.90	42.03	2.96	40.95	3.02

			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	
	-15.0	-16.1	7.02	3.25	6.85	3.32	6.68	3.39	6.52	3.46	6.35	3.53
	-10.0	-11.1	8.54	3.30	8.34	3.37	8.14	3.44	7.93	3.51	7.73	3.58
	-5.0	-7.2	9.86	3.35	9.62	3.42	9.39	3.49	9.15	3.56	8.92	3.63
	0.0	-2.2	10.48	3.16	10.23	3.22	9.98	3.29	9.74	3.35	9.49	3.42
	5.0	2.8	10.99	3.12	10.73	3.19	10.47	3.25	10.20	3.32	9.94	3.38
	8.3	6.1	11.60	3.28	11.33	3.35	11.05	3.42	10.77	3.49	10.50	3.56
	10.0	8.3	11.79	3.27	11.51	3.34	11.23	3.41	10.95	3.48	10.67	3.55
	15.0	10.0	12.36	3.24	12.07	3.31	11.77	3.38	11.48	3.44	11.18	3.51
	20.0	15.0	12.57	2.80	12.27	2.85	11.97	2.91	11.67	2.97	11.37	3.03
	23.9	18.3	13.27	2.78	12.95	2.84	12.63	2.90	12.32	2.96	12.00	3.02

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

			Indoor temperature									
		°FDB	60		65		70		75		78	
Outdoor temperature	°FDB	°FWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
	5	3	25.34	3.48	24.74	3.56	24.14	3.63	23.53	3.70	22.93	3.77
	14	12	30.85	3.53	30.11	3.61	29.38	3.68	28.64	3.75	27.91	3.83
	23	19	35.60	3.58	34.76	3.66	33.91	3.73	33.06	3.81	32.21	3.88
	32	28	37.86	3.38	36.96	3.45	36.06	3.52	35.16	3.59	34.25	3.66
	41	37	39.68	3.34	38.74	3.41	37.79	3.48	36.85	3.55	35.90	3.62
	47	43	41.90	3.51	40.90	3.59	39.90	3.66	38.90	3.73	37.91	3.81
	50	47	42.58	3.50	41.57	3.58	40.55	3.65	39.54	3.72	38.52	3.79
	59	50	44.63	3.47	43.57	3.54	42.51	3.61	41.44	3.69	40.38	3.76
	68	59	45.37	2.99	44.29	3.05	43.21	3.12	42.13	3.18	41.05	3.24
	75	65	47.90	2.98	46.76	3.04	45.62	3.10	44.48	3.16	43.34	3.23

			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	
	-15.0	-16.1	7.43	3.48	7.25	3.56	7.07	3.63	6.90	3.70	6.72	3.77
	-10.0	-11.1	9.04	3.53	8.83	3.61	8.61	3.68	8.39	3.75	8.18	3.83
	-5.0	-7.2	10.43	3.58	10.19	3.66	9.94	3.73	9.69	3.81	9.44	3.88
	0.0	-2.2	11.10	3.38	10.83	3.45	10.57	3.52	10.30	3.59	10.04	3.66
	5.0	2.8	11.63	3.34	11.35	3.41	11.08	3.48	10.80	3.55	10.52	3.62
	8.3	6.1	12.28	3.51	11.99	3.59	11.69	3.66	11.40	3.73	11.11	3.81
	10.0	8.3	12.48	3.50	12.18	3.58	11.89	3.65	11.59	3.72	11.29	3.79
	15.0	10.0	13.08	3.47	12.77	3.54	12.46	3.61	12.15	3.69	11.84	3.76
	20.0	15.0	13.30	2.99	12.98	3.05	12.67	3.12	12.35	3.18	12.03	3.24
	23.9	18.3	14.04	2.98	13.71	3.04	13.37	3.10	13.04	3.16	12.70	3.23

● Indoor units: 7,000 Btu + 7,000 Btu + 7,000 Btu + 14,000 Btu

			Indoor temperature									
		°FDB	60		65		70		75		78	
Outdoor temperature	°FDB	°FWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
	5	3	26.68	3.52	26.04	3.59	25.41	3.67	24.77	3.74	24.14	3.81
	14	12	32.47	3.57	31.70	3.65	30.92	3.72	30.15	3.80	29.38	3.87
	23	19	37.48	3.62	36.58	3.70	35.69	3.77	34.80	3.85	33.91	3.93
	32	28	39.85	3.42	38.90	3.49	37.95	3.56	37.01	3.63	36.06	3.70
	41	37	41.77	3.38	40.78	3.45	39.78	3.52	38.79	3.59	37.79	3.66
	47	43	44.10	3.55	43.05	3.63	42.00	3.70	40.95	3.77	39.90	3.85
	50	47	44.82	3.54	43.75	3.61	42.69	3.69	41.62	3.76	40.55	3.84
	59	50	46.98	3.51	45.86	3.58	44.74	3.65	43.63	3.73	42.51	3.80
	68	59	47.76	3.02	46.63	3.09	45.49	3.15	44.35	3.21	43.21	3.28
	75	65	50.42	3.01	49.22	3.07	48.02	3.14	46.82	3.20	45.62	3.26

			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	
	-15.0	-16.1	7.82	3.52	7.63	3.59	7.45	3.67	7.26	3.74	7.07	3.81
	-10.0	-11.1	9.52	3.57	9.29	3.65	9.06	3.72	8.84	3.80	8.61	3.87
	-5.0	-7.2	10.98	3.62	10.72	3.70	10.46	3.77	10.20	3.85	9.94	3.93
	0.0	-2.2	11.68	3.42	11.40	3.49	11.12	3.56	10.85	3.63	10.57	3.70
	5.0	2.8	12.24	3.38	11.95	3.45	11.66	3.52	11.37	3.59	11.08	3.66
	8.3	6.1	12.92	3.55	12.62	3.63	12.31	3.70	12.00	3.77	11.69	3.85
	10.0	8.3	13.14	3.54	12.82	3.61	12.51	3.69	12.20	3.76	11.89	3.84
	15.0	10.0	13.77	3.51	13.44	3.58	13.11	3.65	12.79	3.73	12.46	3.80
	20.0	15.0	14.00	3.02	13.67	3.09	13.33	3.15	13.00	3.21	12.67	3.28
	23.9	18.3	14.78	3.01	14.43	3.07	14.07	3.14	13.72	3.20	13.37	3.26

● Indoor units: 7,000 Btu + 7,000 Btu + 7,000 Btu + 18,000 Btu

			Indoor temperature									
		°FDB	60		65		70		75		78	
Outdoor temperature	°FDB	°FWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
	5	3	26.68	3.66	26.04	3.74	25.41	3.82	24.77	3.89	24.14	3.97
	14	12	32.47	3.72	31.70	3.79	30.92	3.87	30.15	3.95	29.38	4.03
	23	19	37.48	3.77	36.58	3.85	35.69	3.93	34.80	4.01	33.91	4.08
	32	28	39.85	3.55	38.90	3.63	37.95	3.70	37.01	3.78	36.06	3.85
	41	37	41.77	3.52	40.78	3.59	39.78	3.66	38.79	3.74	37.79	3.81
	47	43	44.10	3.70	43.05	3.77	42.00	3.85	40.95	3.93	39.90	4.00
	50	47	44.82	3.68	43.75	3.76	42.69	3.84	41.62	3.92	40.55	3.99
	59	50	46.98	3.65	45.86	3.73	44.74	3.80	43.63	3.88	42.51	3.95
	68	59	47.76	3.15	46.63	3.21	45.49	3.28	44.35	3.34	43.21	3.41
	75	65	50.42	3.13	49.22	3.20	48.02	3.26	46.82	3.33	45.62	3.39

			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	
	-15.0	-16.1	7.82	3.66	7.63	3.74	7.45	3.82	7.26	3.89	7.07	3.97
	-10.0	-11.1	9.52	3.72	9.29	3.79	9.06	3.87	8.84	3.95	8.61	4.03
	-5.0	-7.2	10.98	3.77	10.72	3.85	10.46	3.93	10.20	4.01	9.94	4.08
	0.0	-2.2	11.68	3.55	11.40	3.63	11.12	3.70	10.85	3.78	10.57	3.85
	5.0	2.8	12.24	3.52	11.95	3.59	11.66	3.66	11.37	3.74	11.08	3.81
	8.3	6.1	12.92	3.70	12.62	3.77	12.31	3.85	12.00	3.93	11.69	4.00
	10.0	8.3	13.14	3.68	12.82	3.76	12.51	3.84	12.20	3.92	11.89	3.99
	15.0	10.0	13.77	3.65	13.44	3.73	13.11	3.80	12.79	3.88	12.46	3.95
	20.0	15.0	14.00	3.15	13.67	3.21	13.33	3.28	13.00	3.34	12.67	3.41
	23.9	18.3	14.78	3.13	14.43	3.20	14.07	3.26	13.72	3.33	13.37	3.39

● Indoor units: 7,000 Btu + 7,000 Btu + 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	5	3	25.03	3.41	24.43	3.48	23.84	3.55	23.24	3.62	22.64	3.69
	14	12	30.46	3.46	29.73	3.53	29.01	3.60	28.28	3.67	27.56	3.74
	23	19	35.16	3.51	34.32	3.58	33.48	3.65	32.65	3.72	31.81	3.80
	32	28	37.38	3.30	36.49	3.37	35.60	3.44	34.71	3.51	33.82	3.58
	41	37	39.19	3.27	38.25	3.34	37.32	3.41	36.39	3.47	35.45	3.54
	47	43	41.37	3.44	40.39	3.51	39.40	3.58	38.42	3.65	37.43	3.72
	50	47	42.05	3.43	41.04	3.50	40.04	3.57	39.04	3.64	38.04	3.71
	59	50	44.07	3.39	43.02	3.46	41.97	3.54	40.92	3.61	39.88	3.68
	68	59	44.81	2.93	43.74	2.99	42.67	3.05	41.61	3.11	40.54	3.17
	75	65	47.30	2.91	46.18	2.97	45.05	3.03	43.92	3.10	42.80	3.16

			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	-15.0	-16.1	7.33	3.41	7.16	3.48	6.99	3.55	6.81	3.62	6.64	3.69
	-10.0	-11.1	8.93	3.46	8.71	3.53	8.50	3.60	8.29	3.67	8.08	3.74
	-5.0	-7.2	10.30	3.51	10.06	3.58	9.81	3.65	9.57	3.72	9.32	3.80
	0.0	-2.2	10.96	3.30	10.70	3.37	10.44	3.44	10.17	3.51	9.91	3.58
	5.0	2.8	11.48	3.27	11.21	3.34	10.94	3.41	10.66	3.47	10.39	3.54
	8.3	6.1	12.12	3.44	11.84	3.51	11.55	3.58	11.26	3.65	10.97	3.72
	10.0	8.3	12.32	3.43	12.03	3.50	11.74	3.57	11.44	3.64	11.15	3.71
	15.0	10.0	12.92	3.39	12.61	3.46	12.30	3.54	11.99	3.61	11.69	3.68
	20.0	15.0	13.13	2.93	12.82	2.99	12.51	3.05	12.19	3.11	11.88	3.17
	23.9	18.3	13.86	2.91	13.53	2.97	13.20	3.03	12.87	3.10	12.54	3.16

● Indoor units: 7,000 Btu + 7,000 Btu + 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	5	3	26.42	3.63	25.80	3.70	25.17	3.78	24.54	3.85	23.91	3.93
	14	12	32.16	3.68	31.39	3.75	30.63	3.83	29.86	3.91	29.10	3.98
	23	19	37.12	3.73	36.24	3.81	35.35	3.89	34.47	3.96	33.58	4.04
	32	28	39.47	3.52	38.53	3.59	37.59	3.66	36.65	3.74	35.71	3.81
	41	37	41.37	3.48	40.39	3.55	39.40	3.63	38.42	3.70	37.43	3.77
	47	43	43.68	3.66	42.64	3.73	41.60	3.81	40.56	3.89	39.52	3.96
	50	47	44.39	3.65	43.34	3.72	42.28	3.80	41.22	3.87	40.17	3.95
	59	50	46.53	3.61	45.43	3.69	44.32	3.76	43.21	3.84	42.10	3.91
	68	59	47.31	3.11	46.18	3.18	45.06	3.24	43.93	3.31	42.80	3.37
	75	65	49.94	3.10	48.75	3.17	47.57	3.23	46.38	3.29	45.19	3.36

			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	-15.0	-16.1	7.74	3.63	7.56	3.70	7.38	3.78	7.19	3.85	7.01	3.93
	-10.0	-11.1	9.43	3.68	9.20	3.75	8.98	3.83	8.75	3.91	8.53	3.98
	-5.0	-7.2	10.88	3.73	10.62	3.81	10.36	3.89	10.10	3.96	9.84	4.04
	0.0	-2.2	11.57	3.52	11.29	3.59	11.02	3.66	10.74	3.74	10.47	3.81
	5.0	2.8	12.13	3.48	11.84	3.55	11.55	3.63	11.26	3.70	10.97	3.77
	8.3	6.1	12.80	3.66	12.50	3.73	12.19	3.81	11.89	3.89	11.58	3.96
	10.0	8.3	13.01	3.65	12.70	3.72	12.39	3.80	12.08	3.87	11.77	3.95
	15.0	10.0	13.64	3.61	13.31	3.69	12.99	3.76	12.66	3.84	12.34	3.91
	20.0	15.0	13.87	3.11	13.54	3.18	13.20	3.24	12.87	3.31	12.54	3.37
	23.9	18.3	14.64	3.10	14.29	3.17	13.94	3.23	13.59	3.29	13.24	3.36

● Indoor units: 7,000 Btu + 7,000 Btu + 9,000 Btu + 14,000 Btu

			Indoor temperature									
		°FDB	60		65		70		75		78	
Outdoor temperature	°FDB	°FWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
	5	3	26.68	3.52	26.04	3.59	25.41	3.67	24.77	3.74	24.14	3.81
	14	12	32.47	3.57	31.70	3.65	30.92	3.72	30.15	3.80	29.38	3.87
	23	19	37.48	3.62	36.58	3.70	35.69	3.77	34.80	3.85	33.91	3.93
	32	28	39.85	3.42	38.90	3.49	37.95	3.56	37.01	3.63	36.06	3.70
	41	37	41.77	3.38	40.78	3.45	39.78	3.52	38.79	3.59	37.79	3.66
	47	43	44.10	3.55	43.05	3.63	42.00	3.70	40.95	3.77	39.90	3.85
	50	47	44.82	3.54	43.75	3.61	42.69	3.69	41.62	3.76	40.55	3.84
	59	50	46.98	3.51	45.86	3.58	44.74	3.65	43.63	3.73	42.51	3.80
	68	59	47.76	3.02	46.63	3.09	45.49	3.15	44.35	3.21	43.21	3.28
	75	65	50.42	3.01	49.22	3.07	48.02	3.14	46.82	3.20	45.62	3.26

			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	
	-15.0	-16.1	7.82	3.52	7.63	3.59	7.45	3.67	7.26	3.74	7.07	3.81
	-10.0	-11.1	9.52	3.57	9.29	3.65	9.06	3.72	8.84	3.80	8.61	3.87
	-5.0	-7.2	10.98	3.62	10.72	3.70	10.46	3.77	10.20	3.85	9.94	3.93
	0.0	-2.2	11.68	3.42	11.40	3.49	11.12	3.56	10.85	3.63	10.57	3.70
	5.0	2.8	12.24	3.38	11.95	3.45	11.66	3.52	11.37	3.59	11.08	3.66
	8.3	6.1	12.92	3.55	12.62	3.63	12.31	3.70	12.00	3.77	11.69	3.85
	10.0	8.3	13.14	3.54	12.82	3.61	12.51	3.69	12.20	3.76	11.89	3.84
	15.0	10.0	13.77	3.51	13.44	3.58	13.11	3.65	12.79	3.73	12.46	3.80
	20.0	15.0	14.00	3.02	13.67	3.09	13.33	3.15	13.00	3.21	12.67	3.28
	23.9	18.3	14.78	3.01	14.43	3.07	14.07	3.14	13.72	3.20	13.37	3.26

● Indoor units: 7,000 Btu + 7,000 Btu + 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
	5	3	26.68	3.66	26.04	3.74	25.41	3.82	24.77	3.89	24.14	3.97
	14	12	32.47	3.72	31.70	3.79	30.92	3.87	30.15	3.95	29.38	4.03
	23	19	37.48	3.77	36.58	3.85	35.69	3.93	34.80	4.01	33.91	4.08
	32	28	39.85	3.55	38.90	3.63	37.95	3.70	37.01	3.78	36.06	3.85
	41	37	41.77	3.52	40.78	3.59	39.78	3.66	38.79	3.74	37.79	3.81
	47	43	44.10	3.70	43.05	3.77	42.00	3.85	40.95	3.93	39.90	4.00
	50	47	44.82	3.68	43.75	3.76	42.69	3.84	41.62	3.92	40.55	3.99
	59	50	46.98	3.65	45.86	3.73	44.74	3.80	43.63	3.88	42.51	3.95
	68	59	47.76	3.15	46.63	3.21	45.49	3.28	44.35	3.34	43.21	3.41
	75	65	50.42	3.13	49.22	3.20	48.02	3.26	46.82	3.33	45.62	3.39

			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	
	-15.0	-16.1	7.82	3.66	7.63	3.74	7.45	3.82	7.26	3.89	7.07	3.97
	-10.0	-11.1	9.52	3.72	9.29	3.79	9.06	3.87	8.84	3.95	8.61	4.03
	-5.0	-7.2	10.98	3.77	10.72	3.85	10.46	3.93	10.20	4.01	9.94	4.08
	0.0	-2.2	11.68	3.55	11.40	3.63	11.12	3.70	10.85	3.78	10.57	3.85
	5.0	2.8	12.24	3.52	11.95	3.59	11.66	3.66	11.37	3.74	11.08	3.81
	8.3	6.1	12.92	3.70	12.62	3.77	12.31	3.85	12.00	3.93	11.69	4.00
	10.0	8.3	13.14	3.68	12.82	3.76	12.51	3.84	12.20	3.92	11.89	3.99
	15.0	10.0	13.77	3.65	13.44	3.73	13.11	3.80	12.79	3.88	12.46	3.95
	20.0	15.0	14.00	3.15	13.67	3.21	13.33	3.28	13.00	3.34	12.67	3.41
	23.9	18.3	14.78	3.13	14.43	3.20	14.07	3.26	13.72	3.33	13.37	3.39

● Indoor units: 7,000 Btu + 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
	5	3	26.17	3.60	25.55	3.67	24.92	3.75	24.30	3.82	23.68	3.90
	14	12	31.85	3.65	31.09	3.73	30.33	3.80	29.58	3.88	28.82	3.95
	23	19	36.76	3.70	35.89	3.78	35.01	3.86	34.14	3.93	33.26	4.01
	32	28	39.09	3.49	38.16	3.56	37.23	3.63	36.30	3.71	35.37	3.78
	41	37	40.98	3.45	40.00	3.52	39.02	3.60	38.05	3.67	37.07	3.74
	47	43	43.26	3.63	42.23	3.70	41.20	3.78	40.17	3.86	39.14	3.93
	50	47	43.97	3.62	42.92	3.69	41.87	3.77	40.83	3.84	39.78	3.92
	59	50	46.09	3.58	44.99	3.66	43.89	3.73	42.79	3.81	41.70	3.88
	68	59	46.85	3.09	45.74	3.15	44.62	3.22	43.51	3.28	42.39	3.35
	75	65	49.46	3.08	48.29	3.14	47.11	3.20	45.93	3.27	44.75	3.33

			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	
	-15.0	-16.1	7.67	3.60	7.49	3.67	7.30	3.75	7.12	3.82	6.94	3.90
	-10.0	-11.1	9.34	3.65	9.11	3.73	8.89	3.80	8.67	3.88	8.45	3.95
	-5.0	-7.2	10.77	3.70	10.52	3.78	10.26	3.86	10.00	3.93	9.75	4.01
	0.0	-2.2	11.46	3.49	11.18	3.56	10.91	3.63	10.64	3.71	10.37	3.78
	5.0	2.8	12.01	3.45	11.72	3.52	11.44	3.60	11.15	3.67	10.87	3.74
	8.3	6.1	12.68	3.63	12.38	3.70	12.08	3.78	11.77	3.86	11.47	3.93
	10.0	8.3	12.89	3.62	12.58	3.69	12.27	3.77	11.97	3.84	11.66	3.92
	15.0	10.0	13.51	3.58	13.19	3.66	12.86	3.73	12.54	3.81	12.22	3.88
	20.0	15.0	13.73	3.09	13.40	3.15	13.08	3.22	12.75	3.28	12.42	3.35
	23.9	18.3	14.50	3.08	14.15	3.14	13.81	3.20	13.46	3.27	13.12	3.33

● Indoor units: 7,000 Btu + 9,000 Btu + 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
	5	3	26.68	3.66	26.04	3.74	25.41	3.82	24.77	3.89	24.14	3.97
	14	12	32.47	3.72	31.70	3.79	30.92	3.87	30.15	3.95	29.38	4.03
	23	19	37.48	3.77	36.58	3.85	35.69	3.93	34.80	4.01	33.91	4.08
	32	28	39.85	3.55	38.90	3.63	37.95	3.70	37.01	3.78	36.06	3.85
	41	37	41.77	3.52	40.78	3.59	39.78	3.66	38.79	3.74	37.79	3.81
	47	43	44.10	3.70	43.05	3.77	42.00	3.85	40.95	3.93	39.90	4.00
	50	47	44.82	3.68	43.75	3.76	42.69	3.84	41.62	3.92	40.55	3.99
	59	50	46.98	3.65	45.86	3.73	44.74	3.80	43.63	3.88	42.51	3.95
	68	59	47.76	3.15	46.63	3.21	45.49	3.28	44.35	3.34	43.21	3.41
	75	65	50.42	3.13	49.22	3.20	48.02	3.26	46.82	3.33	45.62	3.39

			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	
	-15.0	-16.1	7.82	3.66	7.63	3.74	7.45	3.82	7.26	3.89	7.07	3.97
	-10.0	-11.1	9.52	3.72	9.29	3.79	9.06	3.87	8.84	3.95	8.61	4.03
	-5.0	-7.2	10.98	3.77	10.72	3.85	10.46	3.93	10.20	4.01	9.94	4.08
	0.0	-2.2	11.68	3.55	11.40	3.63	11.12	3.70	10.85	3.78	10.57	3.85
	5.0	2.8	12.24	3.52	11.95	3.59	11.66	3.66	11.37	3.74	11.08	3.81
	8.3	6.1	12.92	3.70	12.62	3.77	12.31	3.85	12.00	3.93	11.69	4.00
	10.0	8.3	13.14	3.68	12.82	3.76	12.51	3.84	12.20	3.92	11.89	3.99
	15.0	10.0	13.77	3.65	13.44	3.73	13.11	3.80	12.79	3.88	12.46	3.95
	20.0	15.0	14.00	3.15	13.67	3.21	13.33	3.28	13.00	3.34	12.67	3.41
	23.9	18.3	14.78	3.13	14.43	3.20	14.07	3.26	13.72	3.33	13.37	3.39

● Indoor units: 9,000 Btu + 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
	5	3	26.68	3.66	26.04	3.74	25.41	3.82	24.77	3.89	24.14	3.97
	14	12	32.47	3.72	31.70	3.79	30.92	3.87	30.15	3.95	29.38	4.03
	23	19	37.48	3.77	36.58	3.85	35.69	3.93	34.80	4.01	33.91	4.08
	32	28	39.85	3.55	38.90	3.63	37.95	3.70	37.01	3.78	36.06	3.85
	41	37	41.77	3.52	40.78	3.59	39.78	3.66	38.79	3.74	37.79	3.81
	47	43	44.10	3.70	43.05	3.77	42.00	3.85	40.95	3.93	39.90	4.00
	50	47	44.82	3.68	43.75	3.76	42.69	3.84	41.62	3.92	40.55	3.99
	59	50	46.98	3.65	45.86	3.73	44.74	3.80	43.63	3.88	42.51	3.95
	68	59	47.76	3.15	46.63	3.21	45.49	3.28	44.35	3.34	43.21	3.41
	75	65	50.42	3.13	49.22	3.20	48.02	3.26	46.82	3.33	45.62	3.39

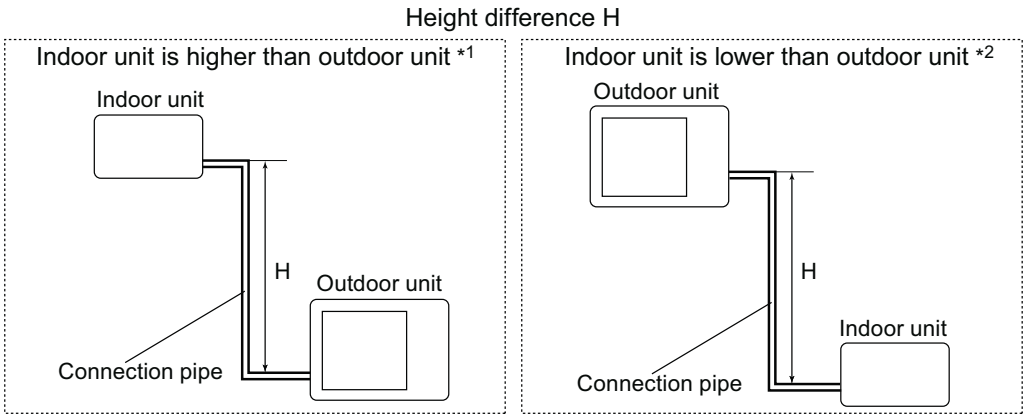
			Indoor temperature									
		°CDB	15.6		18.3		21.2		23.9		25.6	
Outdoor temperature	°CDB	°CWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kW		kW		kW		kW		kW	
	-15.0	-16.1	7.82	3.66	7.63	3.74	7.45	3.82	7.26	3.89	7.07	3.97
	-10.0	-11.1	9.52	3.72	9.29	3.79	9.06	3.87	8.84	3.95	8.61	4.03
	-5.0	-7.2	10.98	3.77	10.72	3.85	10.46	3.93	10.20	4.01	9.94	4.08
	0.0	-2.2	11.68	3.55	11.40	3.63	11.12	3.70	10.85	3.78	10.57	3.85
	5.0	2.8	12.24	3.52	11.95	3.59	11.66	3.66	11.37	3.74	11.08	3.81
	8.3	6.1	12.92	3.70	12.62	3.77	12.31	3.85	12.00	3.93	11.69	4.00
	10.0	8.3	13.14	3.68	12.82	3.76	12.51	3.84	12.20	3.92	11.89	3.99
	15.0	10.0	13.77	3.65	13.44	3.73	13.11	3.80	12.79	3.88	12.46	3.95
	20.0	15.0	14.00	3.15	13.67	3.21	13.33	3.28	13.00	3.34	12.67	3.41
	23.9	18.3	14.78	3.13	14.43	3.20	14.07	3.26	13.72	3.33	13.37	3.39

● Indoor units: 18,000 Btu + 18,000 Btu (with optional kit RXK9FZ1818)

			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
	5	3	25.41	3.66	24.80	3.74	24.20	3.82	23.59	3.89	22.99	3.97
	14	12	30.92	3.72	30.19	3.79	29.45	3.87	28.71	3.95	27.98	4.03
	23	19	35.69	3.77	34.84	3.85	33.99	3.93	33.14	4.01	32.29	4.08
	32	28	37.95	3.55	37.05	3.63	36.15	3.70	35.24	3.78	34.34	3.85
	41	37	39.78	3.52	38.84	3.59	37.89	3.66	36.94	3.74	35.99	3.81
	47	43	42.00	3.70	41.00	3.77	40.00	3.85	39.00	3.93	38.00	4.00
	50	47	42.69	3.68	41.67	3.76	40.65	3.84	39.64	3.91	38.62	3.99
	59	50	44.74	3.65	43.68	3.73	42.61	3.80	41.55	3.88	40.48	3.95
	68	59	45.49	3.15	44.41	3.21	43.32	3.28	42.24	3.34	41.16	3.41
	75	65	48.02	3.13	46.88	3.20	45.74	3.26	44.59	3.33	43.45	3.39

			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	
	-15.0	-16.1	7.45	3.66	7.27	3.74	7.09	3.82	6.91	3.89	6.74	3.97
	-10.0	-11.1	9.06	3.72	8.85	3.79	8.63	3.87	8.42	3.95	8.20	4.03
	-5.0	-7.2	10.46	3.77	10.21	3.85	9.96	3.93	9.71	4.01	9.46	4.08
	0.0	-2.2	11.12	3.55	10.86	3.63	10.59	3.70	10.33	3.78	10.06	3.85
	5.0	2.8	11.66	3.52	11.38	3.59	11.10	3.66	10.83	3.74	10.55	3.81
	8.3	6.1	12.31	3.70	12.02	3.77	11.72	3.85	11.43	3.93	11.14	4.00
	10.0	8.3	12.51	3.68	12.21	3.76	11.91	3.84	11.62	3.91	11.32	3.99
	15.0	10.0	13.11	3.65	12.80	3.73	12.49	3.80	12.18	3.88	11.86	3.95
	20.0	15.0	13.33	3.15	13.01	3.21	12.70	3.28	12.38	3.34	12.06	3.41
	23.9	18.3	14.07	3.13	13.74	3.20	13.40	3.26	13.07	3.33	12.73	3.39

7. Capacity compensation rate for pipe length and height difference



7-1. Model: ROMH36AFXZJ

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 (m)	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 (m)	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

■ 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 (m)	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 (m)	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

■ Indoor unit: 12,000 Btu

COOLING		Pipe length							
			m	5	7.5	10	15	20	25
		m	ft	16	25	33	49	66	82
	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
	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 (m)	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 (m)	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

■ 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 (m)	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 (m)	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 (m)	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 (m)	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

8. Additional charge calculation

8-1. Model: ROMH36AFXZJ

Refrigerant type		R410A
Refrigerant amount	lb oz	7 lb 1 oz
	g	3,200

■ Refrigerant charge

- **3 or 4 indoor units are connected:**

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

- **2 indoor units are connected (with optional kit RXK9FZ1818):**

Total pipe length	ft	65 or less	98	131 (Max.)	0.27 oz/ft (25 g/m)
	m	20 or less	30	40 (Max.)	
Additional charge	lb oz	0	8.9 oz	1 lb 1.8 oz	
	g	0	250	500	

9. Airflow

9-1. Model: ROMH36AFXZJ

● Cooling

m^3/h	3,600
l/s	1,000
CFM	2,119

● Heating

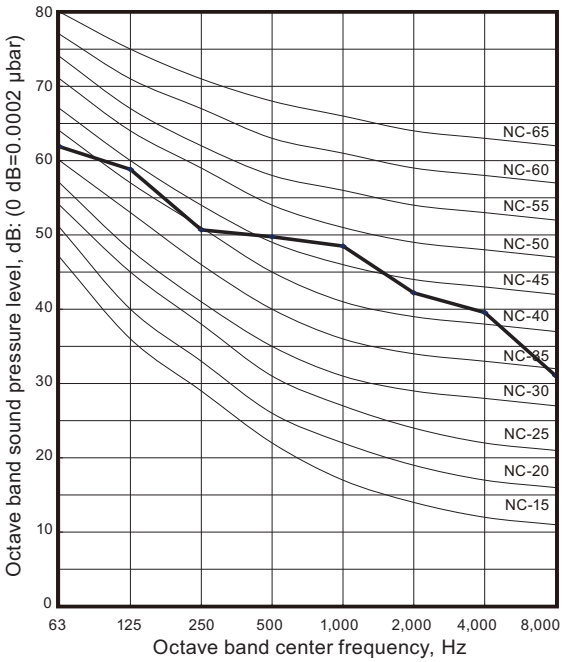
m^3/h	3,800
l/s	1,056
CFM	2,237

10. Operation noise (sound pressure)

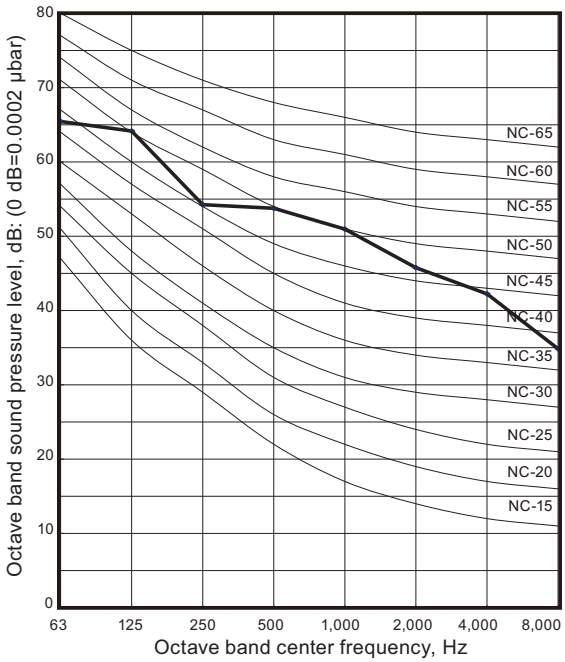
10-1. Noise level curve

■ Model: ROMH36AFXZJ

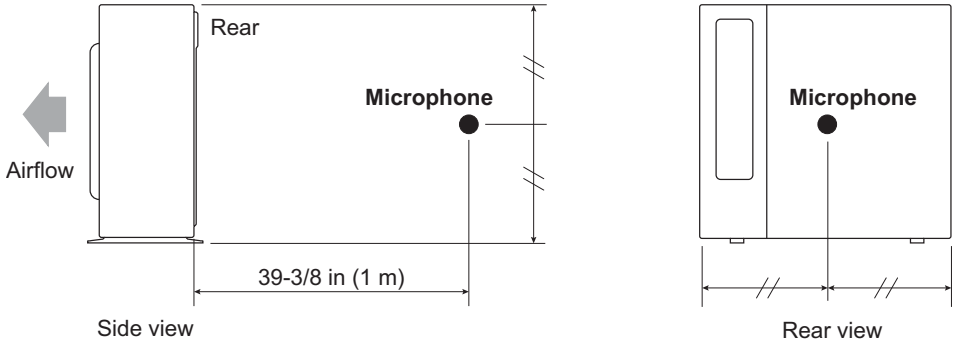
● Cooling



● Heating



10-2. Sound level check point



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

11. Electrical characteristics

Model name			ROMH36AFXZJ
Power supply	Voltage	V	208/230 ~
	Frequency	Hz	60
MCA *1		A	24.6
Starting current		A	17.1
Wiring spec. *2	MAX. CKT. BKR *3	A	30
	Power cable	AWG	10

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

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

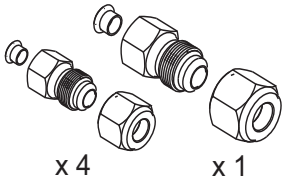
*3: Maximum Circuit Breaker

12. Safety devices

Type of protection	Protection form		Model
			ROMH36AFXZJ
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
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.)

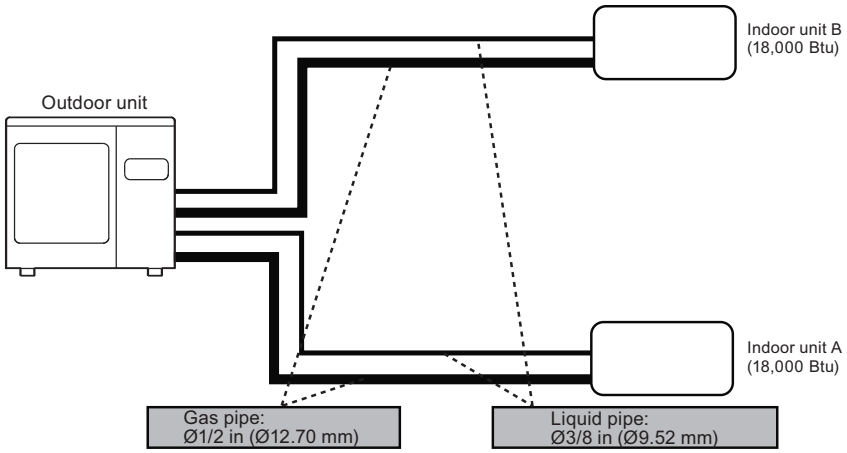
13. Optional parts

Exterior	Part name	Model name	Summary
	Adapter kit	RXK9FZ1818	**For 2rooms combination system** It can exchange liquid pipe size Ø1/4 in (Ø6.35 mm) for Ø3/8 in (Ø9.52 mm), and Ø3/8 in (Ø9.52 mm) for Ø1/2 in (Ø12.70 mm). If you choice 2 indoor units system "18,000 Btu + 18,000 Btu", then you need this kit.

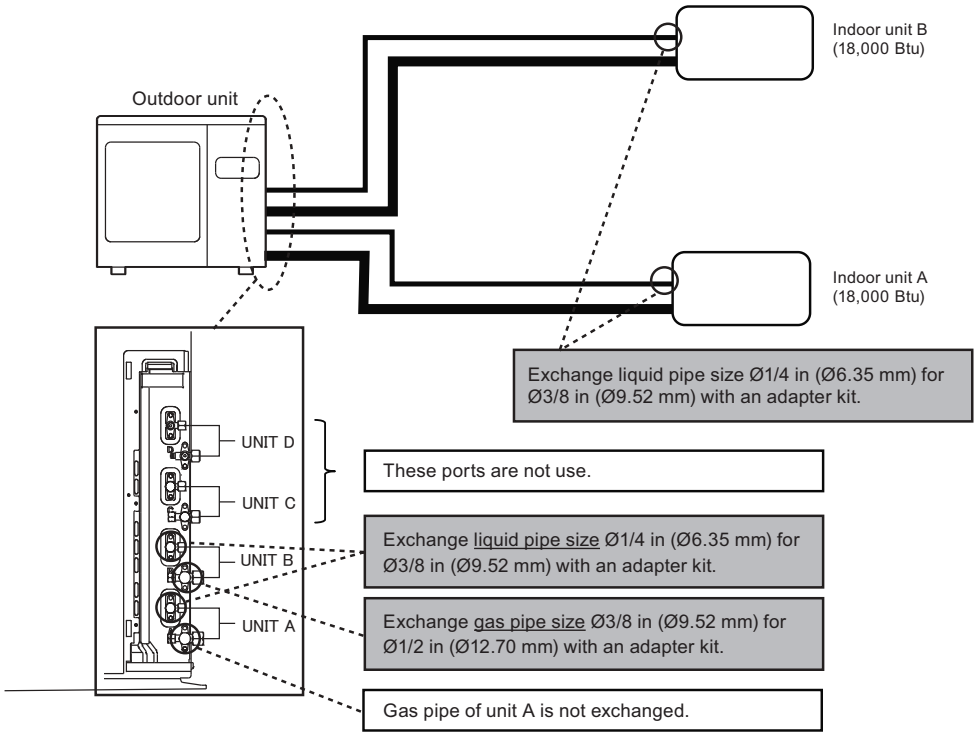
13-1. 2 rooms combination (with optional part RXK9FZ1818)

: Note that the hatching items are different from those of 3 or 4 rooms combination.

■ Size of piping



■ How to use the adapter (optional part RXK9FZ1818)



■ Connection pipe length

Max.	Total	ft (m)	131 (40)
	Each unit		82 (25)
Min.	Total		49 (15)
	Each unit		25 (7.5)

■ Refrigerant charge

Pipe length (Total)	ft	65 or less	98	131 (Max.)	0.27 oz/ft 25 g/m
	m	20 or less	30	40 (Max.)	
Additional charge	lb oz	0	8.9 oz	1 lb 1.8 oz	
	g	0	250	500	

14. Installation precautions

14-1. Outdoor unit installation precautions

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

■ Place where use prohibited 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.

■ 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 261.
- 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.