

AIR CONDITIONER

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

DESIGN & TECHNICAL MANUAL

INDOOR



WHP07WMA21S
WHP09WMA21S
WHP12WMA21S



WHP18WMA21S
WHP24WMA21S

OUTDOOR



WHP18M2A21S



WHP24M3A21S



WHP36M4A21S
WHP42M5A21S

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- Product specifications and design are subject to change without notice for future improvement.
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** WARNING**

This product can expose you to chemicals including Plumbum, which is known to the State of California to cause cancer and birth defects or other reproductive harm.
For more information go to www.P65Warnings.ca.gov.

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Part 1. INDOOR UNIT

WALL MOUNTED TYPE:

WHP07WMA21S

WHP09WMA21S

WHP12WMA21S

WHP18WMA21S

WHP24WMA21S

1. Indoor unit connection patterns

NOTE: 7: 7,000 Btu/h, 9: 9,000 Btu/h, 12: 12,000 Btu/h, 18: 18,000 Btu/h, 24: 24,000 Btu/h

- **WHP18M2A21S (2 units)**

No.	Unit 1	Unit 2	Total
1	7	9	16
2	7	12	19
3	9	9	18
4	9	12	21

- **WHP24M3A21S (3 units)**

No.	Unit 1	Unit 2	Unit 3	Total
1	7	18	—	25
2	9	12	—	21
3	9	18	—	27
4	12	12	—	24
5	12	18	—	30
6	7	7	7	21
7	7	7	9	23
8	7	7	12	26
9	7	9	9	25
10	7	9	12	28
11	7	12	12	31
12	9	9	9	27
13	9	9	12	30

• WHP36M4A21S (4 units)

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

• WHP42M5A21S (5 units)

No.	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Total
1	7	9	18	—	—	34
2	7	9	24	—	—	40
3	7	12	18	—	—	37
4	7	12	24	—	—	43
5	7	18	24	—	—	49
6	9	9	18	—	—	36
7	9	9	24	—	—	42
8	9	12	18	—	—	39
9	9	12	24	—	—	45
10	9	18	24	—	—	51
11	12	12	18	—	—	42
12	12	12	24	—	—	48
13	12	18	24	—	—	54
14	7	7	7	18	—	39
15	7	7	7	24	—	45
16	7	7	9	12	—	35
17	7	7	9	18	—	41
18	7	7	9	24	—	47
19	7	7	12	12	—	38
20	7	7	12	18	—	44
21	7	7	12	24	—	50
22	7	9	9	9	—	34
23	7	9	9	12	—	37
24	7	9	9	18	—	43
25	7	9	9	24	—	49
26	7	9	12	12	—	40
27	7	9	12	18	—	46
28	7	9	12	24	—	52
29	7	12	12	12	—	43
30	7	12	12	18	—	49
31	9	9	9	9	—	36
32	9	9	9	12	—	39
33	9	9	9	18	—	45
34	9	9	9	24	—	51
35	9	9	12	12	—	42
36	9	9	12	18	—	48
37	9	9	12	24	—	54
38	9	12	12	12	—	45
39	9	12	12	18	—	51
40	12	12	12	12	—	48
41	12	12	12	18	—	54
42	7	7	7	7	7	35
43	7	7	7	7	9	37
44	7	7	7	7	12	39
45	7	7	7	7	18	46
46	7	7	7	7	24	52
47	7	7	7	9	9	39
48	7	7	7	9	12	42
49	7	7	7	9	18	48
50	7	7	7	9	24	54
51	7	7	7	12	12	45
52	7	7	7	12	18	51
53	7	7	9	9	9	41
54	7	7	9	9	12	44

No.	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Total
55	7	7	9	9	18	50
56	7	7	9	12	12	47
57	7	7	12	12	12	50
58	7	9	9	9	9	43
59	7	9	9	9	12	46
60	7	9	9	9	18	52
61	7	9	9	12	12	49
62	7	9	12	12	12	52
63	9	9	9	9	9	45
64	9	9	9	9	12	48
65	9	9	9	9	18	54
66	9	9	9	12	12	51
67	9	9	12	12	12	54

2. Specifications

Type				Wall mounted			
				Inverter heat pump			
Model name				WHP07WMA21S	WHP09WMA21S	WHP12WMA21S	
Power supply				208/230 V ~ 60 Hz			
Power supply intake				Outdoor unit			
Available voltage range				198—253 V			
Capacity	Cooling	Rated	kW	2.052	2.64	3.51	
			Btu/h	7,000	9,000	12,000	
		Min.—Max.	kW	1.06—2.93	1.06—2.93	1.17—3.96	
			Btu/h	3,600—10,000	3,600—10,000	4,000—13,500	
	Heating	Rated	kW	2.491	2.78	3.81	
			Btu/h	8,500	9,500	13,000	
		Min.—Max.	kW	1.05—3.07	1.05—3.07	1.17—4.10	
			Btu/h	3,600—10,500	3,600—10,500	4,000—14,000	
Input power	Cooling	Rated	kW	0.655	0.655	0.920	
		Min.—Max.		0.230—1.495	0.230—1.495	0.276—1.610	
	Heating	Rated		0.720	0.720	1.110	
		Min.—Max.		0.230—1.495	0.230—1.495	0.276—1.610	
Current	Cooling	Rated	A	2.9	2.9	4.3	
	Heating			2.9	2.9	5.0	
Power factor	Cooling		%	98	98	96	
	Heating			98	98	97	
Moisture removal			pints/h (L/h)	1.9 (0.9)	1.9 (0.9)	2.5 (1.2)	
Fan	Airflow rate	Cooling	HIGHER	CFM (m³/h)	383 (650)	383 (650)	394 (670)
			HIGH		341 (580)	341 (580)	365 (620)
			MED		294 (500)	294 (500)	312 (530)
			LOW		247 (420)	247 (420)	253 (430)
			LOWER		224 (380)		
		Heating	HIGHER		383 (650)	383 (650)	394 (670)
			HIGH		341 (580)	341 (580)	365 (620)
			MED		294 (500)	294 (500)	312 (530)
			LOW		247 (420)	247 (420)	253 (430)
			LOWER		224 (380)		
	Type × Q'ty		Crossflow fan × 1				
	Motor output		W	25			
Sound pressure level*2	Cooling	HIGHER	dB (A)	42			
		HIGH		39			
		MED		32			
		LOW		29			
		LOWER		26			
	Heating	HIGHER		42			
		HIGH		39			
		MED		32			
		LOW		29			
		LOWER		26			
Heat exchanger type	Dimensions (H × W × D)		in (mm)	11-9/16 × 24-7/16 × 1-1/16 (294 × 620 × 27.2)			
	Fin pitch		FPI	18			
	Rows × Stages			2 × 14			
	Pipe type			Copper			
	Fin type			Aluminum			
Enclosure	Material			Polystyrene			
	Color			White			
Dimensions (H × W × D)	Net		in (mm)	10-5/8 × 33-7/16 × 8-7/16 (270 × 850 × 215)			
	Gross			13-3/16 × 37 × 10-7/16 (335 × 940 × 265)			
Weight	Net		lb (kg)	20 (9)			
	Gross			24 (11)	24 (11)	26 (12)	
Connection pipe	Size	Liquid	in (mm)	Ø 1/4 (Ø 6.35)			
		Gas		Ø 3/8 (Ø 9.52)			
	Method			Flare			
Drain hose	Material			PE/PVC			
	Tip diameter		in (mm)	Ø5/8 (Ø 15.4) (I.D.), Ø7/8 (Ø 23) (O.D.)			
Operation range	Cooling		°F (°C)	61 to 86 (16 to 30)			
			%RH	80 or less			
	Heating		°F (°C)	61 to 86 (16 to 30)			
Remote controller type				Wireless (Wired [option])			

NOTES:

- Specifications are based on the following conditions:
 - Cooling: Indoor temperature of 80 °FDB (26.67 °CDB) / 67 °FWB (19.44 °CWB), and outdoor temperature of 95 °FDB (35 °CDB) / 75 °FWB (23.9 °CWB).
 - Heating: Indoor temperature of 70 °FDB (21.11 °CDB) / 59 °FWB (15.56 °CWB), and outdoor temperature of 47 °FDB (8.33 °CDB) / 43 °FWB (6.11 °CWB).
 - Pipe length: 25 ft (7.5 m), Height difference: 0 ft (0 m). (Between outdoor unit and indoor unit.)
- Protective function might work when using it outside the operation range.
- *1: Maximum current is maximum value when operated within the operation range.
- *2: Sound pressure level:
 - Measured values in manufacturer's anechoic chamber.
 - Because of the surrounding sound environment, the sound levels measured in actual installation conditions might be higher than the specified values here.

Type				Wall mounted		
				Inverter heat pump		
Model name				WHP18WMA21S	WHP24WMA21S	
Power supply				208/230 V ~ 60 Hz		
Power supply intake				Outdoor unit		
Available voltage range				198—253 V		
Capacity	Cooling	Rated	kW	5.28	6.86	
			Btu/h	18,000	23,400	
		Min.—Max.	kW	1.905—5.7153	2.345—7.767	
			Btu/h	6,500—19,500	8,000—26,500	
	Heating	Rated	kW	5.57	7.62	
			Btu/h	19,000	26,000	
		Min.—Max.	kW	1.905—5.862	2.345—7.767	
			Btu/h	6,500—20,000	8,000—26,500	
Input power	Cooling	Rated	kW	1.385	1.870	
		Min.—Max.		0.345—2.760	0.414—2.990	
	Heating	Rated		1.638	2.500	
		Min.—Max.		0.345—2.760	0.414—2.990	
Current	Cooling	Rated	A	6.3	8.3	
	Heating			7.2	11.1	
Power factor	Cooling		%	96	98	
	Heating			99	98	
Moisture removal			pints/h (L/h)	3.2 (1.5)	5.1 (2.4)	
Fan	Airflow rate	Cooling	HIGHER	CFM (m³/h)	647 (1,100)	706 (1,200)
			HIGH		589 (1,000)	647 (1,100)
			MED		483 (820)	559 (950)
			LOW		459 (780)	441 (750)
			LOWER		383 (650)	368 (625)
		Heating	HIGHER		647 (1,100)	706 (1,200)
			HIGH		589 (1,000)	647 (1,100)
			MED		483 (820)	559 (950)
			LOW		459 (780)	441 (750)
			LOWER		383 (650)	368 (625)
	Type × Q'ty			Crossflow fan × 1		
	Motor output			W35		
Sound pressure level*3	Cooling	HIGHER	dB (A)	48	50	
		HIGH		45	47	
		MED		41	42	
		LOW		37	36	
		LOWER		34	33	
				34	33	
	Heating	HIGHER		48	50	
		HIGH		45	47	
		MED		41	42	
		LOW		37	36	
		LOWER		34	33	
				34	33	
Heat exchanger type	Dimensions (H × W × D)		in (mm)	14-7/8 × 33-1/8 × 1-1/16 (378 × 842 × 27.2)		
	Fin pitch		FPI	18		
	Rows × Stages			2 × 18		
	Pipe type			Copper		
	Fin type			Aluminum		
Enclosure	Material			Polystyrene		
	Color			White		
Dimensions (H × W × D)	Net		in (mm)	12-3/8 × 44-1/2 × 9-5/16 (315 × 1,130 × 237)		
	Gross			15-3/8 × 47-5/8 × 12-7/16 (390 × 1,210 × 316)		
Weight	Net		lb (kg)	32 (14.5)		
	Gross			37 (17)		
Connection pipe	Size	Liquid	in (mm)	Ø 1/4 (Ø 6.35)	Ø 3/8 (Ø 9.52)	
		Gas		Ø 1/2 (Ø 12.70)	Ø 5/8 (Ø 15.88)	
	Method			Flare		
	Material			PE/PVC		
Drain hose	Tip diameter		in (mm)	Ø5/8 (Ø 15.4) (I.D.), Ø7/8 (Ø 23) (O.D.)		
Operation range	Cooling		°F (°C)	61 to 86 (16 to 30)		
			%RH	80 or less		
Remote controller type	Heating		°F (°C)	61 to 86 (16 to 30)		
				Wireless (Wired [option])		

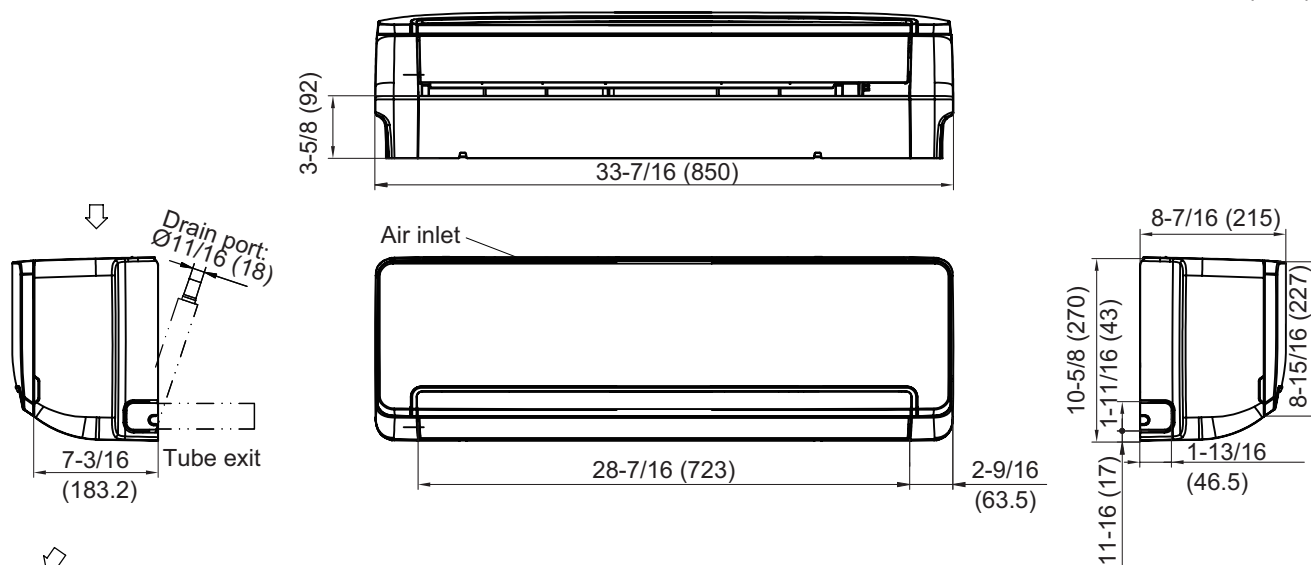
NOTES:

- Specifications are based on the following conditions:
 - Cooling: Indoor temperature of 80 °FDB (26.67 °CDB) /67 °FWB (19.44 °CWB), and outdoor temperature of 95 °FDB (35 °CDB) / 75 °FWB (23.9 °CWB).
 - Heating: Indoor temperature of 70 °FDB (21.11 °CDB) /59 °FWB (15.56 °CWB), and outdoor temperature of 47 °FDB (8.33 °CDB) /43 °FWB (6.11 °CWB).
 - Pipe length: 25 ft (7.5 m), Height difference: 0 ft (0 m). (Between outdoor unit and indoor unit.)
- Protective function might work when using it outside the operation range.
- *1: Maximum current is maximum value when operated within the operation range.
- *2: Sound pressure level:
 - Measured values in manufacturer's anechoic chamber.
 - Because of the surrounding sound environment, the sound levels measured in actual installation conditions might be higher than the specified values here.

3. Dimensions

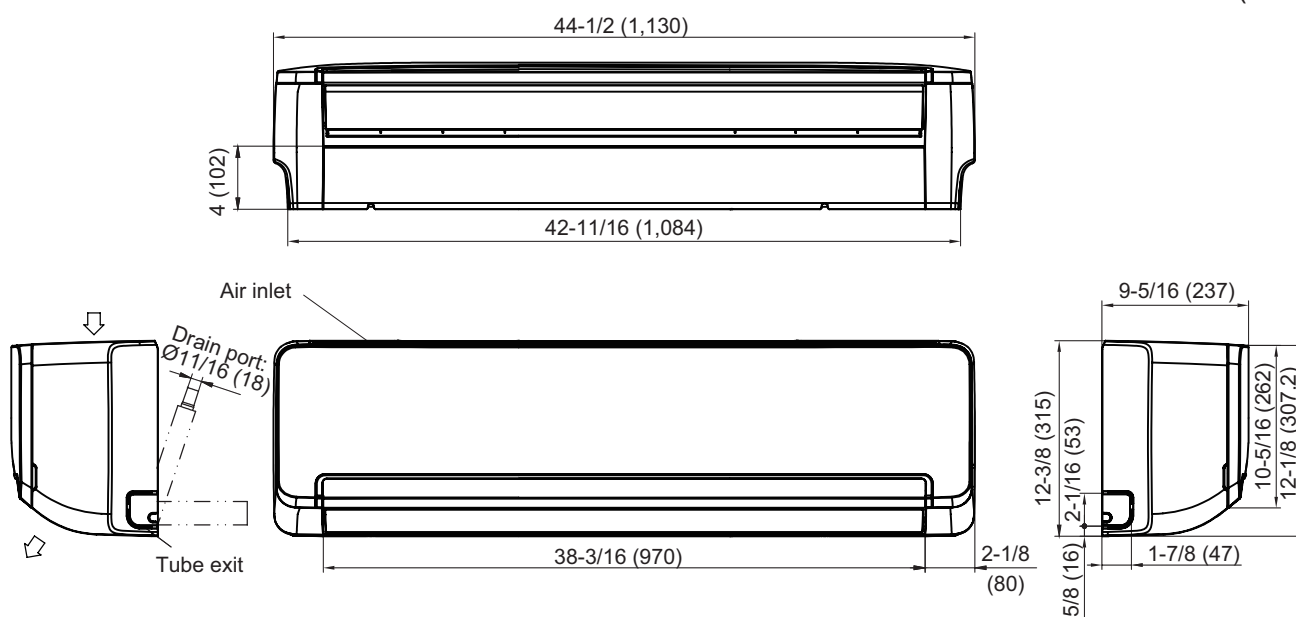
3-1. Models: WHP07WMA21S, WHP09WMA21S, and WHP12WMA21S

Unit: in (mm)



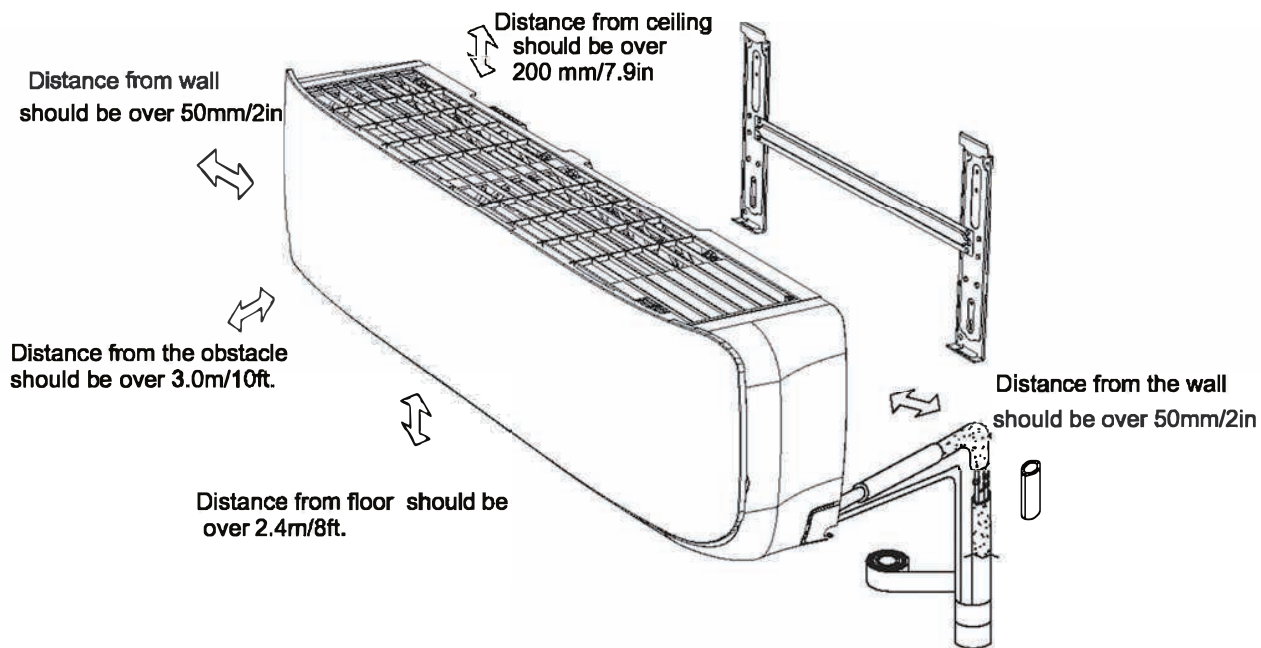
3-2. Models: WHP18WMA21S and WHP24WMA21S

Unit: in (mm)



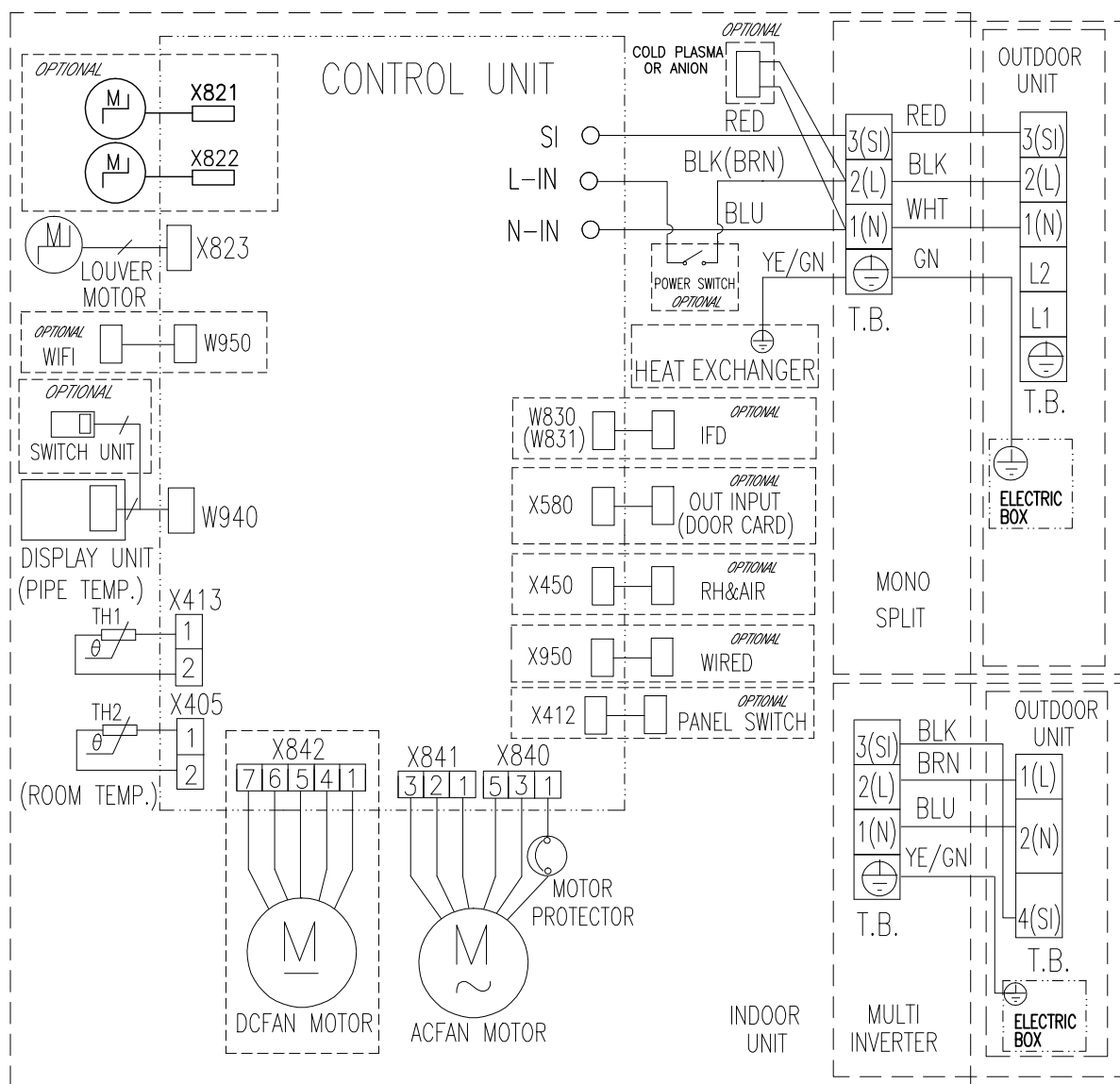
3-3. Installation space requirement

Provide sufficient installation space for product safety.



4. Wiring diagrams

4-1. Models: WHP07WMA21S, WHP09WMA21S, WHP12WMA21S, WHP18WMA21S, and WHP24WMA21S



Temperature	0℃ 32°F	20℃ 68°F	30℃ 86°F
Thermistor (Pipe temp.)	15 k Ω 1.3 V	6.5 k Ω 2.2 V	4.5 k Ω 2.7 V
Thermistor (Room temp.)	15 k Ω 1.3 V	6.5 k Ω 2.2 V	4.5 k Ω 2.7 V

Fan motor

Pin No.	Terminal code	Function of terminal	Lead wire color
1	Vm	Motor power voltage input	Red
2	—	—	—
3	—	—	—
4	GND	GND	Black
5	Vcc	Control power voltage input	White
6	FG	Revolution pulse output	Blue
7	Vsp	Speed control voltage input	Yellow

5. Remote controller

5-1. Wireless remote controller

1 MODE

Press this button to select the operation mode.

3 SLEEP

Used to set or cancel Sleep Mode operation.

6 SUPER

Used to start or stop the fast cooling/heating. (Fast cooling operates at high fan speed with 16°C(61°F) set temp automatically ; Fast heating operates at auto fan speed with 30°C(86°F) set temp automatically)

8 ON TIMER

Used to set or cancel the timer operation.

9 QUIET

Used to set or cancel Quiet Mode operation.

11 OFF TIMER

Used to set or cancel the timer operation.

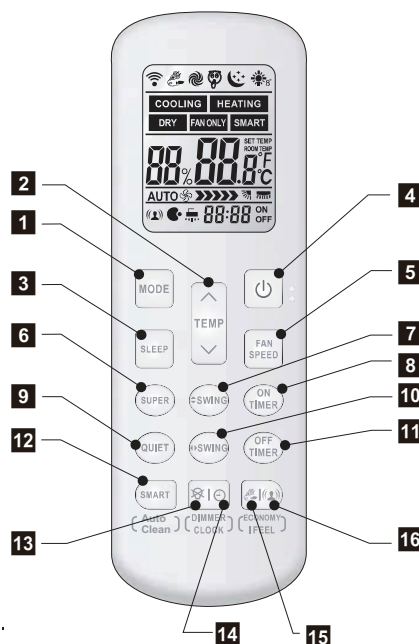
12 SMART(invalid for multi system)

Used to enter logic operation directly when the units is on.

Auto Clean (invalid for multi system) will be activated by pressing SMART button more than 5 seconds under Cooling or Dry mode and be canceled by pressing SMART, POWER or MODE button.(Icon " " will appear on LCD and disappear after around 30 minutes)

13 DIMMER

When you press this button, all the display of indoor unit will be closed. Press any button to resume display.



14 CLOCK

Used to set the current time.

15 ECONOMY

Used to set or cancel Economy Mode operation.

2 + 7 8°C HEAT(optional)

Used to start or stop 8°C HEAT mode.

2 TEMP

Used to adjust the room temperature and the timer, also real time.

4 POWER

The appliance will be started when it is energized or will be stopped when it is in operation, if you press this button.

5 FAN SPEED

Used to select fan speed in sequence auto, higher, high, medium, low and lower.

7 SWING

Used to stop or start vertical adjustment louver swinging and set the desired up/downairflow direction.

10 SWING

Used to stop or start Horizontal adjustment louver swinging and set the desired left/right airflow direction.

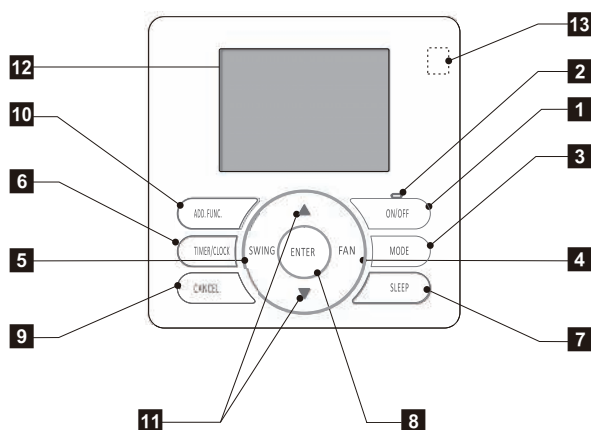
16 IFEEL

Press to set IFEEL Mode operation. In IFEEL mode, the Air Conditioner operates basis temperature sensor fitted in remote instead of machine, Advice to use IFEEL mode and the remote put where the indoor unit receive signal easily. Press this button above 5 seconds, start or stop IFEEL mode.

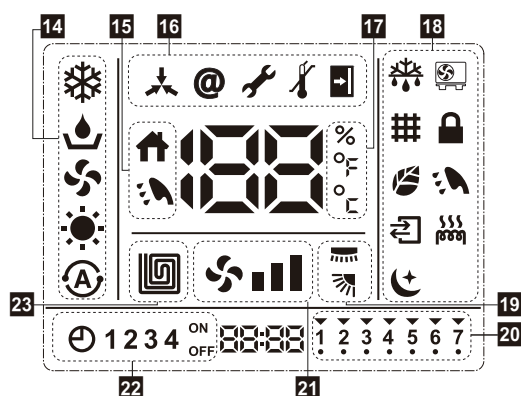
Indication symbols on LCD:

COOLING Cooling indicator	DRY Dry indicator	FAN ONLY Fan only indicator	HEATING Heating indicator	SMART Smart indicator
Auto Auto fan speed	Higher fan speed	High fan speed	Medium fan speed	Low fan speed
Lower fan speed	Quiet indicator	Economy indicator	Super indicator	Sleep indicator
IFEEL	Display temperature	Display set timer	Display current time	8°C Heat indicator

5-2. Wired remote controller



LCD screen



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

- 1 ON/OFF button**
Starts and stops operation.
- 2 Run indicator**
Indicates the appliance is on.
- 3 MODE button**
Switches operation mode (COOL, DRY, and HEAT).
- 4 FAN button**
Selects the fan speed in sequence HIGH, AUTO, LOW, MED, HIGH.
- 5 SWING button (invalid for some models)**
Stops/Starts adjustment louver swing and sets the airflow direction.
- 6 TIMER/CLOCK button**
Sets current time or set timer on/off.
- 7 SLEEP button**
Sets/cancels sleep mode operation.
- 8 ENTER button**
- 9 CANCEL button**
- 10 ADD.FUNC. button (invalid for some models)**
Sets filter clean, hot water, fresh air, electric heater, etc.
- 11 SET TEMP. (temperature) (∇ / $\triangle$) button**
Sets desired temperature.
- 12 LCD screen**
- 13 Built-in infrared signal receiver**
- 14 Operation mode**
❄️: Cooling mode, 💧: Dry mode, 🌀: Fan only mode, ☀️: Heating mode, Ⓐ: Auto mode
- 15 Temperature mode**
🏠: Room temperature, 🌡️: Hot water temperature
- 16 Setting indicator**
🏠: Central control, @: Address setting, 🛠️: Address setting, 🚫: Error indicator, 🌡️: Temperature range limit, 🏠: Home leave control
- 17 Temperature indicator**
%: Relative moisture, °F: Fahrenheit, °C: Celsius
- 18 Status indicator**
❄️: Defrost, 🔄: Compressor run, 🧼: Filter clean, 🔒: Lock, 🌀: Air purge, 🌡️: Hot water, 🌬️: Ventilation, 🔥: Electric heater, 🌙: Sleep
- 19 Air direction indicator**
- 20 Day of week indicator**
- 21 Fan speed indicator**
- 22 Timer indicator**
- 23 Floor heater indicator**

6. Accessories

Part name	Q'ty	Part name	Q'ty
Remote controller instructions	1	Drain joint rubber seal	1
Use and installation instructions	1	Flare nuts	4
Remote controller	1	Bag of wall anchors and screws	1
Remote controller holder	1	Screw for installations	5
AAA battery	2	Screw cover	07-12 model: 1 18/24 model: 3
Foam insulation	07-18 model: 1 24 mode: 2	Warranty Card	1
Drain joint	1		

Part 2. OUTDOOR UNIT

MULTI TYPE:

WHP18M2A21S

WHP24M3A21S

WHP36M4A21S

WHP42M5A21S

1. Specifications

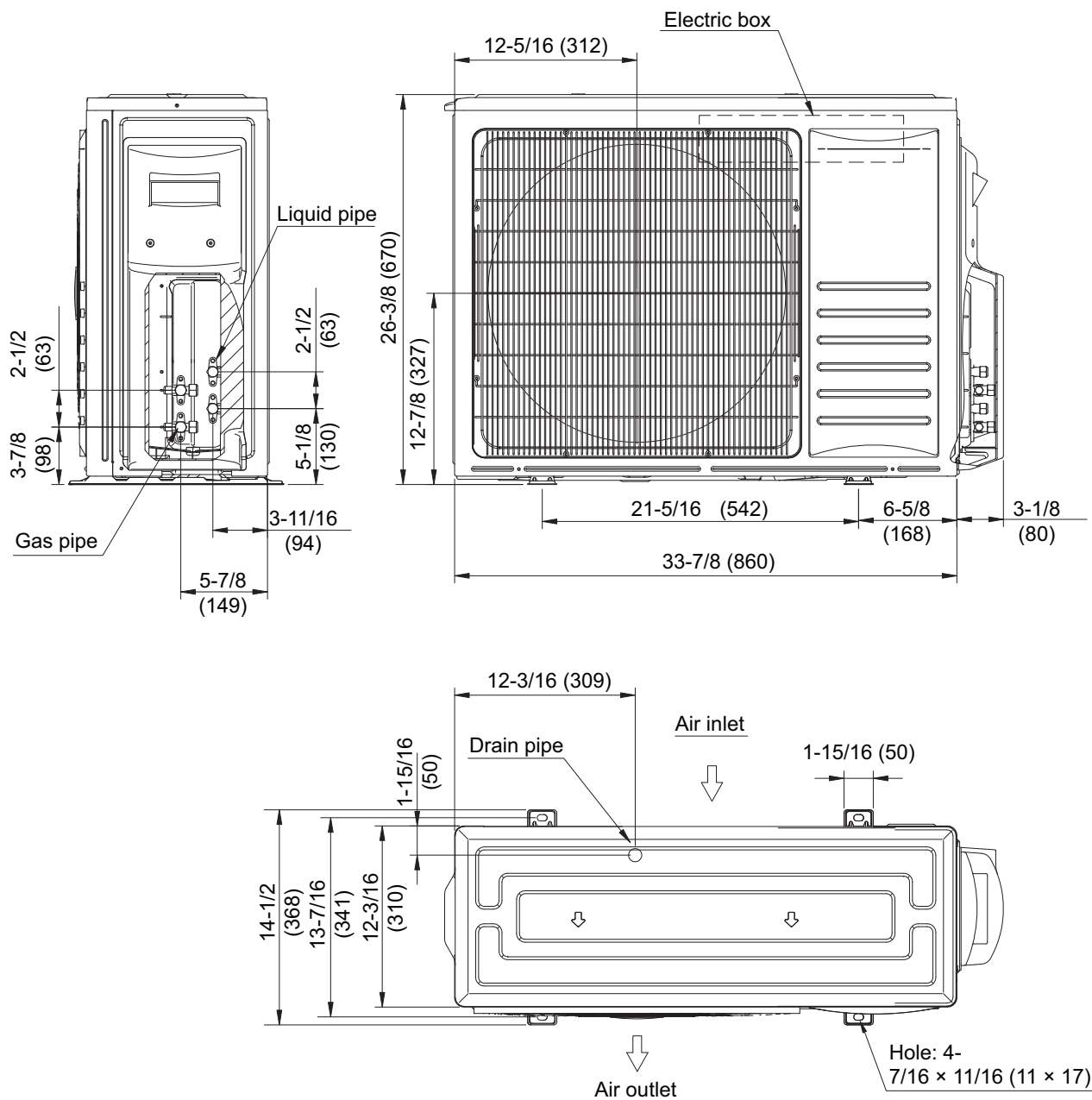
Type				Inverter heat pump		
Model name				WHP18M2A21S	WHP24M3A21S	
Power supply				208/230 V ~ 60 Hz		
Available voltage range				198—253 V		
Connectable indoor unit		Number	2		2 to 3	
		Total capacity range	16,000 to 21,000 Btu/h		21,000 to 31,000 Btu/h	
Standard combination of indoor unit				WHP09WMA21S × 2	WHP12WMA21S × 2	
Capacity	Cooling	Rated	Btu/h	18,000	24,000	
			kW	5.275	7.034	
		Min.—Max.	Btu/h	7,500—24,000	8,000—30,200	
			kW	2.20—7.03	2.35—8.85	
	Heating	Rated	Btu/h	18,000	24,000	
			kW	5.275	7.034	
		Min.—Max.	Btu/h	5,800—28,700	5,200—37,000	
			kW	1.70—8.41	1.52—10.84	
Input power	Cooling	Rated	kW	1.44	1.92	
		Min.—Max.		0.51—2.61	0.42—2.64	
	Heating	Rated		1.53	1.92	
		Min.—Max.		0.45—3.51	0.42—4.02	
Current	Cooling	Rated	A	6.5	8.7	
	Heating	Rated		6.9	8.7	
EER	Cooling	W/W		3.66		
		Btu/hW		12.50		
COP	Heating	W/W		3.66		
		Btu/hW		12.50		
SEER	Cooling	Btu/hW		22.0		
HSPF	Heating	Btu/hW		11.0		
Fan	Airflow rate		CFM (m³/h)	1,854 (3,150)	2,354 (4,000)	
	Type × Q'ty		Propeller fan × 1			
	Motor output		W	73	121	
Sound pressure level *1			dB (A)	55	59	
Heat exchanger type	Dimensions (H × W × D)	in (mm)	35-7/16 × 24-13/16 × 11/16 (900 × 630 × 18.19)		38-3/16 × 31-7/16 × 11/16 (970 × 798 × 18.19)	
			35-7/16 × 24-13/16 × 11/16 (900 × 630 × 18.19)		38-3/16 × 31-7/16 × 11/16 (970 × 798 × 18.19)	
			Fin pitch	FPI	18	
	Rows × Stages		2 × 30		2 × 38	
	Pipe type		Copper			
	Fin type	Type (Material)		Aluminum		
Surface treatment		Blue fin				
Compressor	Type			Rotary		
Refrigerant	Type	R410A				
	Charge	lb oz	3 lb 15 oz		5 lb 1 oz	
		g	1,800		2,300	
Refrigerant oil	Type		VG74 (POE)			
Enclosure	Material		Steel sheet			
	Color		White			
Dimensions (H × W × D)	Net	in (mm)	26-3/8 × 33-7/8 × 12-3/16 (670 × 860 × 310)		33-1/16 × 37-3/8 × 13-3/8 (840 × 950 × 340)	
	Gross		28-3/4 × 39 × 17-11/16 (730 × 990 × 450)		36-1/4 × 43-11/16 × 18-1/8 (920 × 1,110 × 460)	
Weight	Net	lb (kg)	117 (53)		159 (72)	
	Gross		126 (57)		170 (77)	
Connection pipe	Size	Liquid	in (mm)	Ø 1/4 (Ø 6.35)		
		Gas		Ø 3/8 (Ø 9.52)		
	Method		Flare			
	Pre-charge length	Total	ft (m)	49 (15)		73 (22.5)
		Total		164 (50)		196 (60)
	Max. length	Each		82 (25)		65 (20)
		Each				
	Max. height difference		Indoor unit higher than outdoor unit: 49 (15) Outdoor unit higher than indoor unit: 49 (15)			
Operation range	Cooling	°F (°C)	14 to 115 (-10 to 46)			
	Heating		-13 to 75 (-25 to 24)			
NOTES:						
• Specifications are based on the following conditions:						
— Cooling: Indoor temperature of 80 °FDB (26.67 °CDB) / 67 °FWB (19.44 °CWB), and outdoor temperature of 95 °FDB (35 °CDB) / 75 °FWB (23.9 °CWB).						
— Heating: Indoor temperature of 70 °FDB (21.11 °CDB) / 59 °FWB (15 °CWB), and outdoor temperature of 47 °FDB (8.33 °CDB) / 43 °FWB (6.11 °CWB).						
— Pipe length: 24 ft 6 in (7.5 m), Height difference: 0 ft (0 m). (Between outdoor unit and indoor unit.)						
• Protective function might work when using it outside the operation range.						
• *1: Sound pressure level						
— Measured values in manufacturer's anechoic chamber.						
— Because of the surrounding sound environment, the sound levels measured in actual installation conditions might be higher than the specified values here.						

Type				Inverter heat pump	
Model name				WHP36M4A21S	WHP42M5A21S
Power supply				208/230 V ~ 60 Hz	
Available voltage range				198—253 V	
Connectable indoor unit		Number		2 to 4	3 to 5
		Total capacity range		30,000 to 46,000 Btu/h	34,000 to 54,000 Btu/h
Standard combination of indoor unit				WHP09WMA21S × 4	WHP07WMA21S × 1 WHP09WMA21S × 4
Capacity	Cooling	Rated	Btu/h	32,000	42,000
			kW	9.379	12.309
		Min.—Max.	Btu/h	12,000—42,000	9,000—50,000
			kW	3.52—12.31	2.637—14.654
	Heating	Rated	Btu/h	36,000	42,000
			kW	10.551	12.309
		Min.—Max.	Btu/h	8,000—52,000	9,000—52,000
			kW	2.35—15.24	2.637—15.240
Input power	Cooling	Rated	kW	2.55	4.02
		Min.—Max.		0.69—5.01	0.66—5.55
	Heating	Rated		3.12	3.87
		Min.—Max.		0.60—6.00	0.54—6.45
Current	Cooling	Rated	A	11.0	17.5
	Heating	Rated		13.0	17.0
EER	Cooling		W/W	3.68	3.06
			Btu/hW	12.55	10.50
COP	Heating		W/W	3.38	3.18
			Btu/hW	11.54	10.85
SEER	Cooling		Btu/hW	21.0	20.0
HSPF	Heating		Btu/hW	11.0	10.0
Fan	Airflow rate		CFM (m³/h)	3,413 (5,800)	
	Type × Q'ty			Propeller fan × 1	
	Motor output		W	138	
Sound pressure level *1			dB (A)	59	
Heat exchanger type		Dimensions (H × W × D)	in (mm)	39-11/16 × 38-3/16 × 11/16 (1,008 × 970 × 18.19)	
				39-11/16 × 38-3/16 × 11/16 (1,008 × 970 × 18.19)	
		Fin pitch	FPI	17	
		Rows × Stages		2 × 46	
		Pipe type		Copper	
		Fin type	Type (Material)	Aluminum	
Compressor	Type			Blue fin	
				Rotary	
Refrigerant		Type		R410A	
		Charge	lb oz	6 lb 10 oz	7 lb 8 oz
	g		3,000	3,400	
Refrigerant oil		Type		VG74 (POE)	
Enclosure		Material		Steel sheet	
		Color		White	
Dimensions (H × W × D)	Net		in (mm)	41-5/16 × 37-3/8 × 13-3/8 (1,050 × 950 × 340)	
	Gross			47-1/4 × 43-11/16 × 18-1/8 (1,200 × 1,110 × 460)	
Weight	Net		lb (kg)	188 (85.5)	198 (90)
	Gross			220 (100)	234 (106)
Connection pipe	Size	Liquid	in (mm)	Ø 1/4 (Ø 6.35)	
		Gas		Ø 3/8 (Ø 9.52)	
	Method			Flare	
	Pre-charge length	Total	ft (m)	98 (30)	123 (37.5)
		Total		246 (75)	262 (80)
	Max. length	Each		65 (20)	
		Max. height difference		Indoor unit higher than outdoor unit: 49 (15) Outdoor unit higher than indoor unit: 49 (15)	
	Operation range			Cooling	°F (°C)
Heating			-13 to 75 (-25 to 24)	-4 to 75 (-20 to 24)	
NOTES:					
• Specifications are based on the following conditions:					
— Cooling: Indoor temperature of 80 °FDB (26.67 °CDB) / 67 °FWB (19.44 °CWB), and outdoor temperature of 95 °FDB (35 °CDB) / 75 °FWB (23.9 °CWB).					
— Heating: Indoor temperature of 70 °FDB (21.11 °CDB) / 59 °FWB (15 °CWB), and outdoor temperature of 47 °FDB (8.33 °CDB) / 43 °FWB (6.11 °CWB).					
— Pipe length: 24 ft 6 in (7.5 m), Height difference: 0 ft (0 m). (Between outdoor unit and indoor unit.)					
• Protective function might work when using it outside the operation range.					
• *1: Sound pressure level					
— Measured values in manufacturer's anechoic chamber.					
— Because of the surrounding sound environment, the sound levels measured in actual installation conditions might be higher than the specified values here.					

2. Dimensions

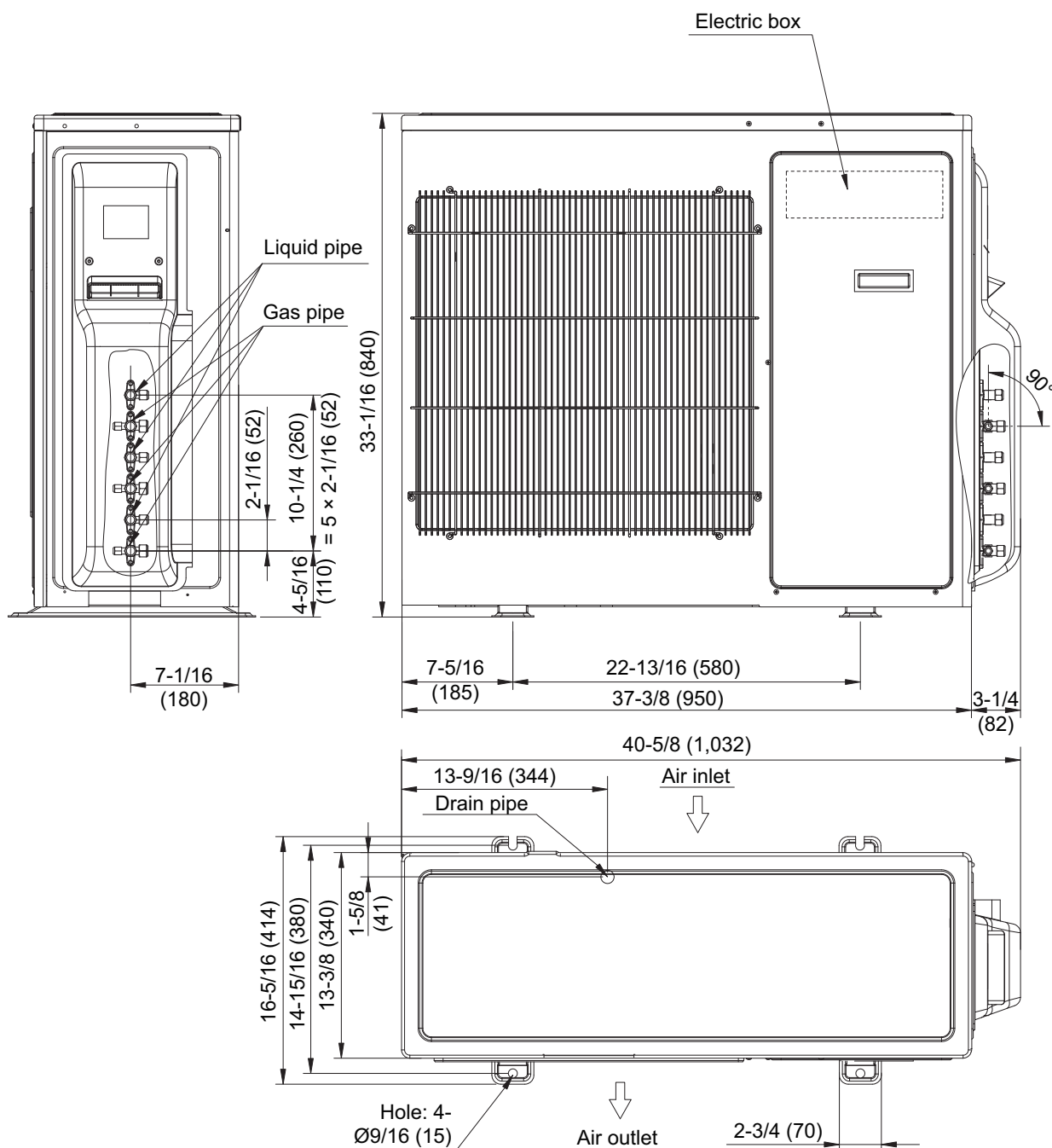
2-1. Model: WHP18M2A21S

Unit: in (mm)



2-2. Model: WHP24M3A21S

Unit: in (mm)

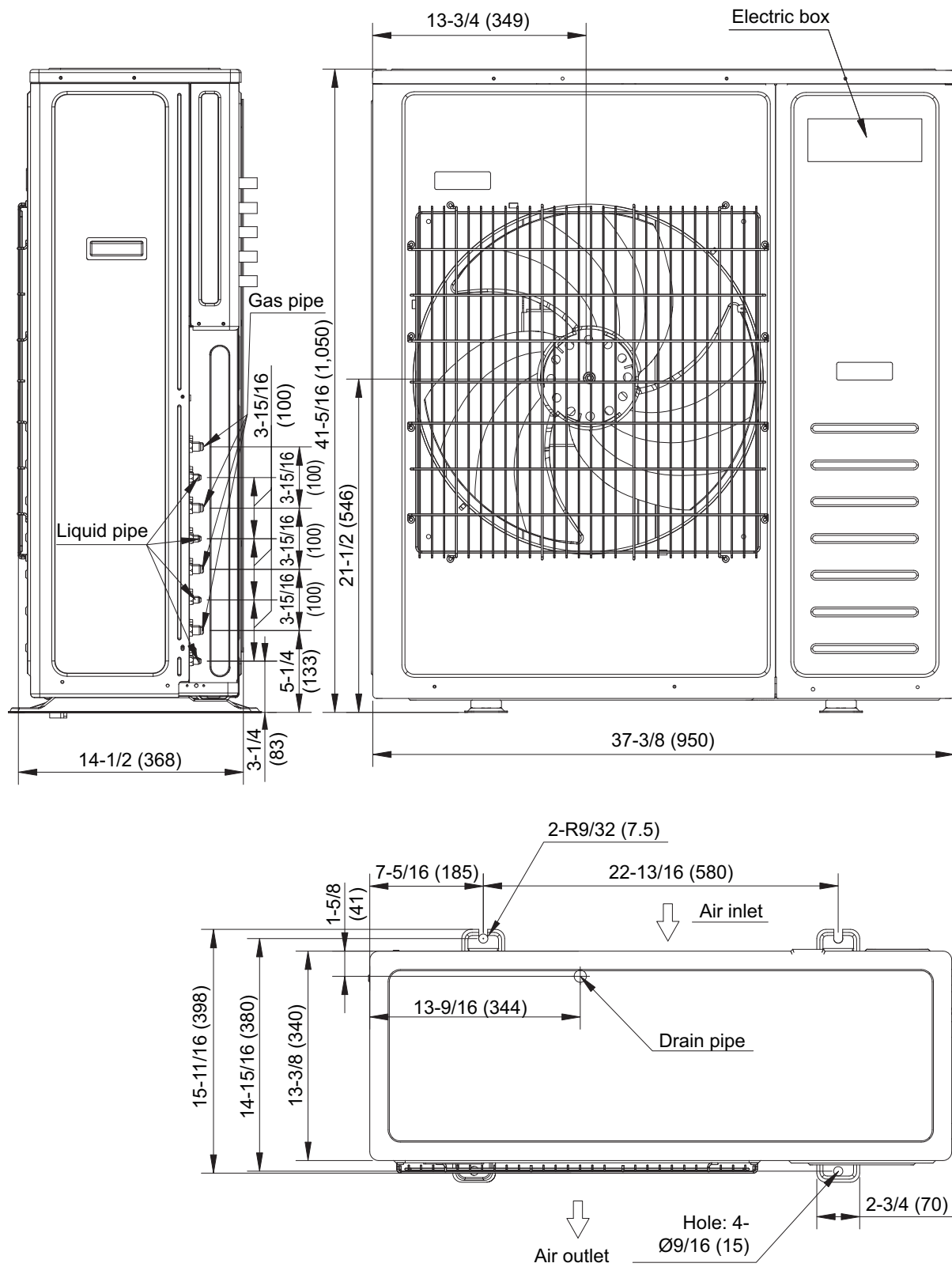


OUTDOOR UNIT
WHP18-42M

OUTDOOR UNIT
WHP18-42M

2-3. Models: WHP36M4A21S and WHP42M5A21S

Unit: in (mm)



OUTDOOR UNIT
WHP18-42M

OUTDOOR UNIT
WHP18-42M

3. Installation space

3-1. Models: WHP18M2A21S, WHP24M3A21S, WHP36M4A21S, and WHP42M5A21S

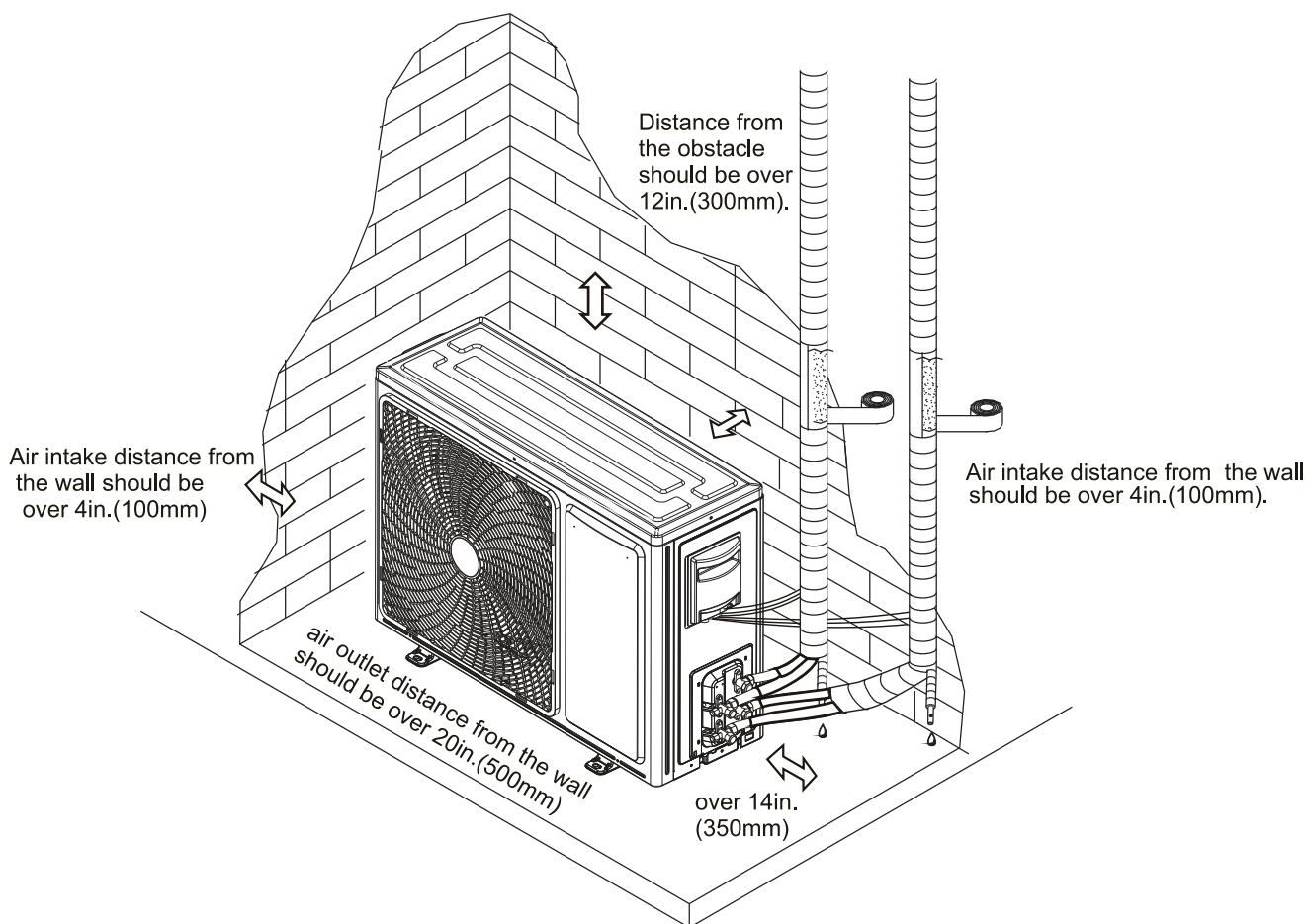
■ Space requirement

Provide sufficient installation space for product safety.

⚠ CAUTION

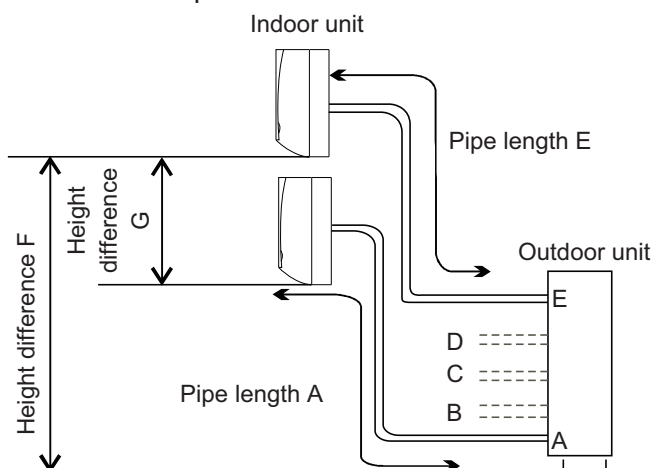
Keep the space shown in the installation examples.

If the installation is not performed accordingly, it could cause a short circuit and result in a lack of operating performance.



- **Refrigerant piping**

Refrigerant pipe should be as short as possible.



	Unit	18 model	24 model	36 model	42 model
Maximum length between indoor unit and outdoor unit (A/B/C/D/E)	ft (m)	≤ 82 (25)	≤ 65 (20)		
Total length of piping between all units		$A + B$ ≤ 164 (50)	$A + B + C$ ≤ 196 (60)	$A + B + C + D$ ≤ 246 (75)	$A + B + C + D + E$ ≤ 262 (80)
Maximum height difference between indoor unit and outdoor unit (F)		≤ 49 (15)			
Maximum height difference between indoor units (G)		≤ 24 (7.5)			

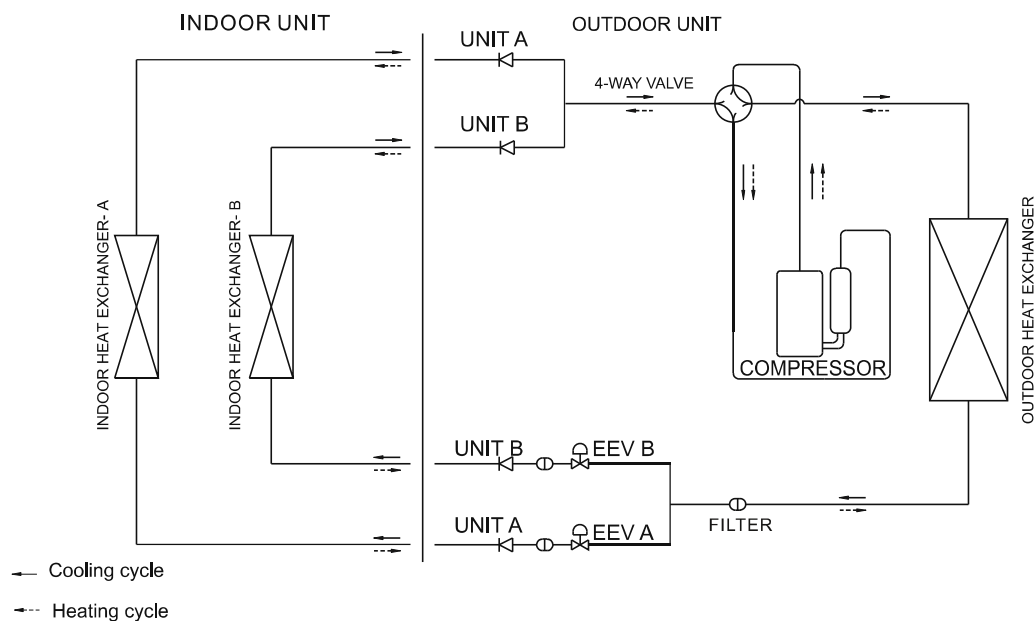
Additional refrigerant charge

When the total pipe length (L) exceeds standard length, additional refrigerant charge is required.

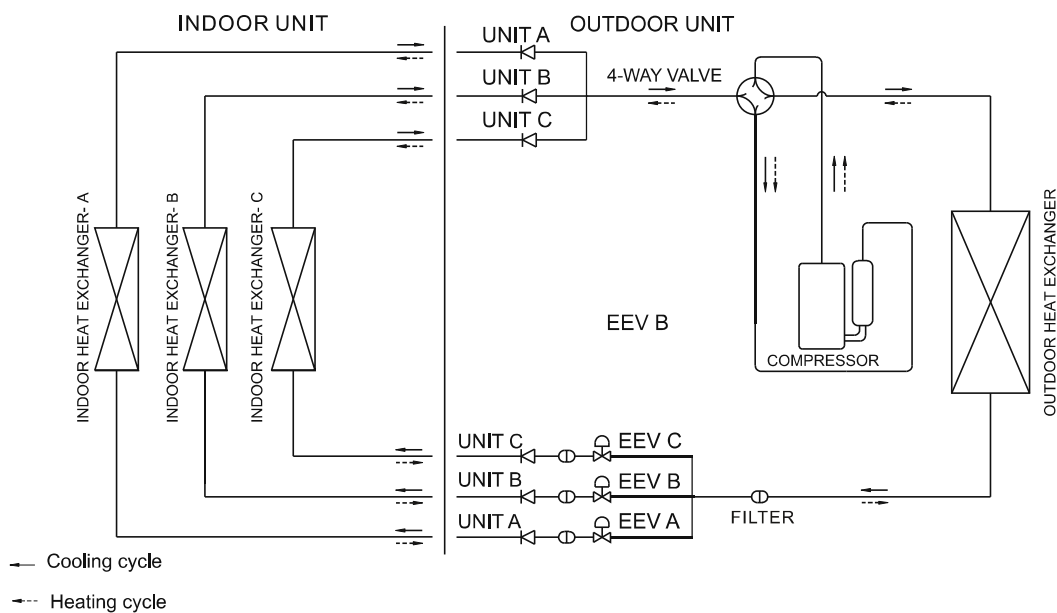
Model	Required amount of additional refrigerant
WHP18M2A21S	$(L - 49 \text{ ft [15 m]}) \times 0.807 \text{ oz/ft (15 g/m)}$
WHP24M3A21S	$(L - 73 \text{ ft [22.5 m]}) \times 0.807 \text{ oz/ft (15 g/m)}$
WHP36M4A21S	$(L - 98 \text{ ft [30 m]}) \times 0.807 \text{ oz/ft (15 g/m)}$
WHP42M5A21S	$(L - 123 \text{ ft [37.5 m]}) \times 0.807 \text{ oz/ft (15 g/m)}$

4. Refrigerant circuit

4-1. Model: WHP18M2A21S

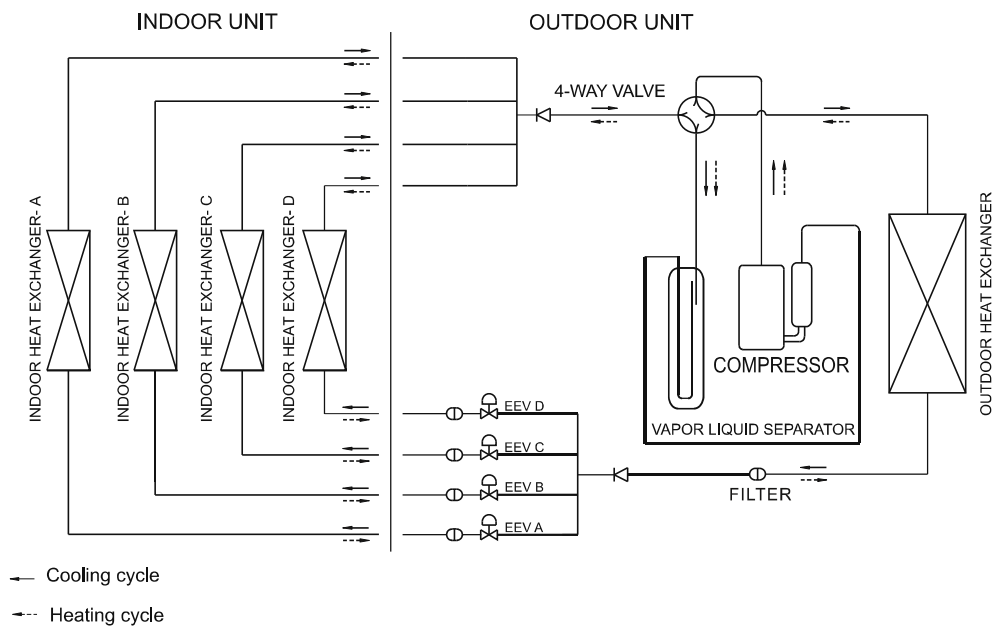


4-2. Model: WHP24M3A21S



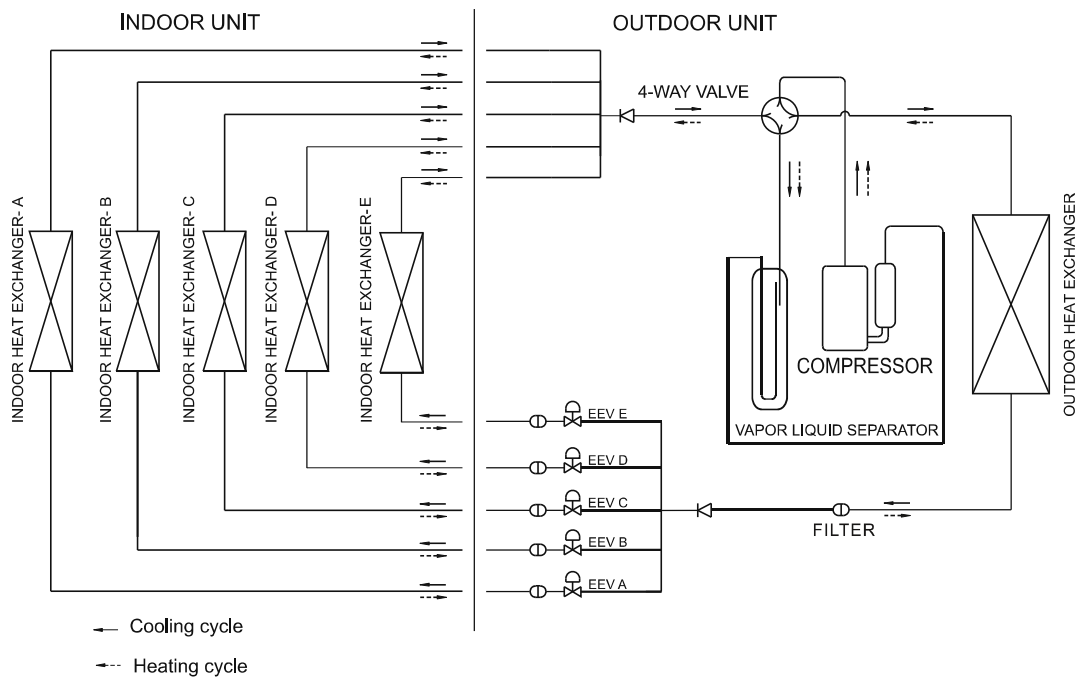
4-3. Model: WHP36M4A21S

OUTDOOR UNIT
WHP18-42M



OUTDOOR UNIT
WHP18-42M

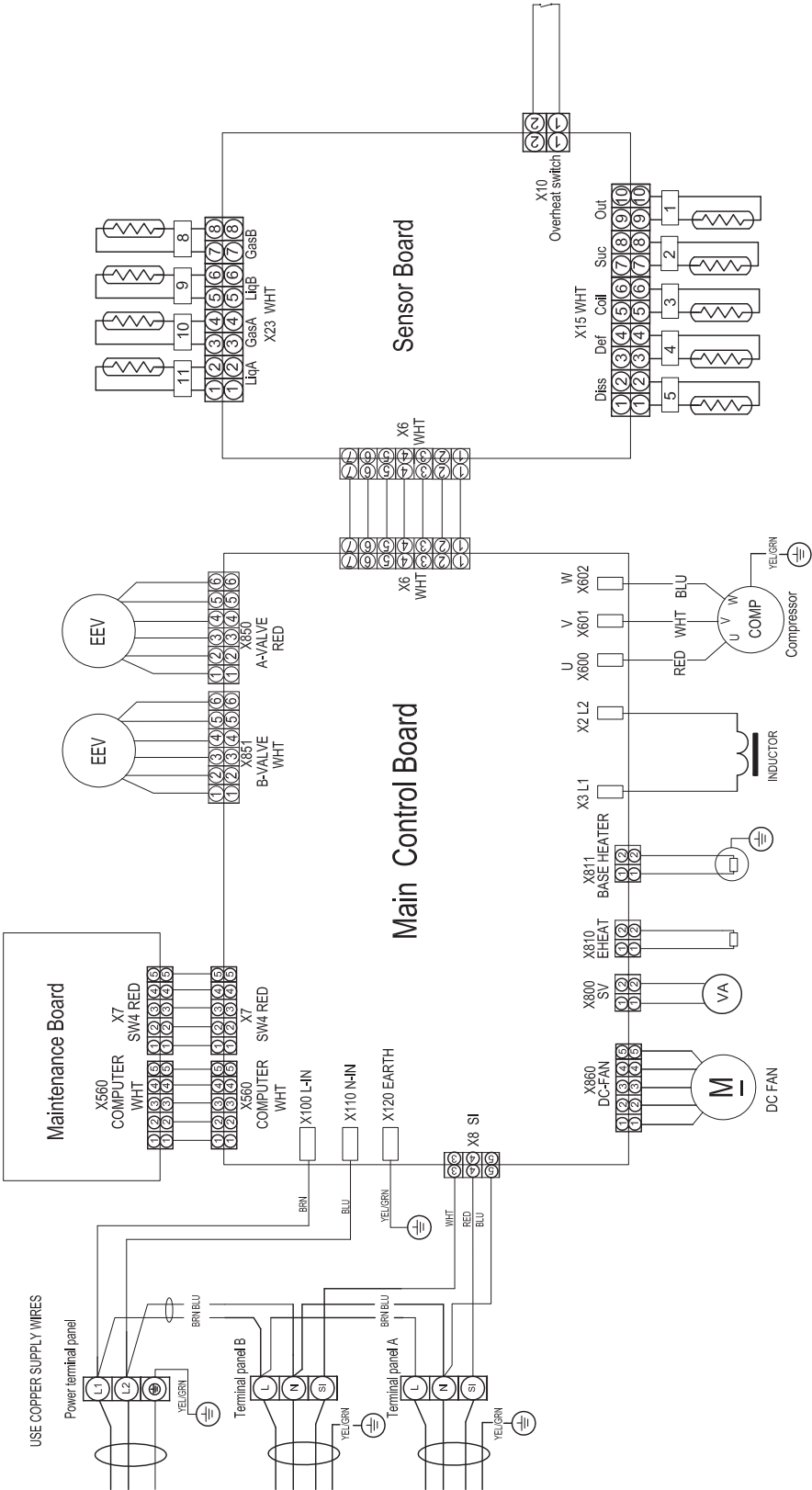
4-4. Model: WHP42M5A21S



5. Wiring diagrams

5-1. Model: WHP18M2A21S

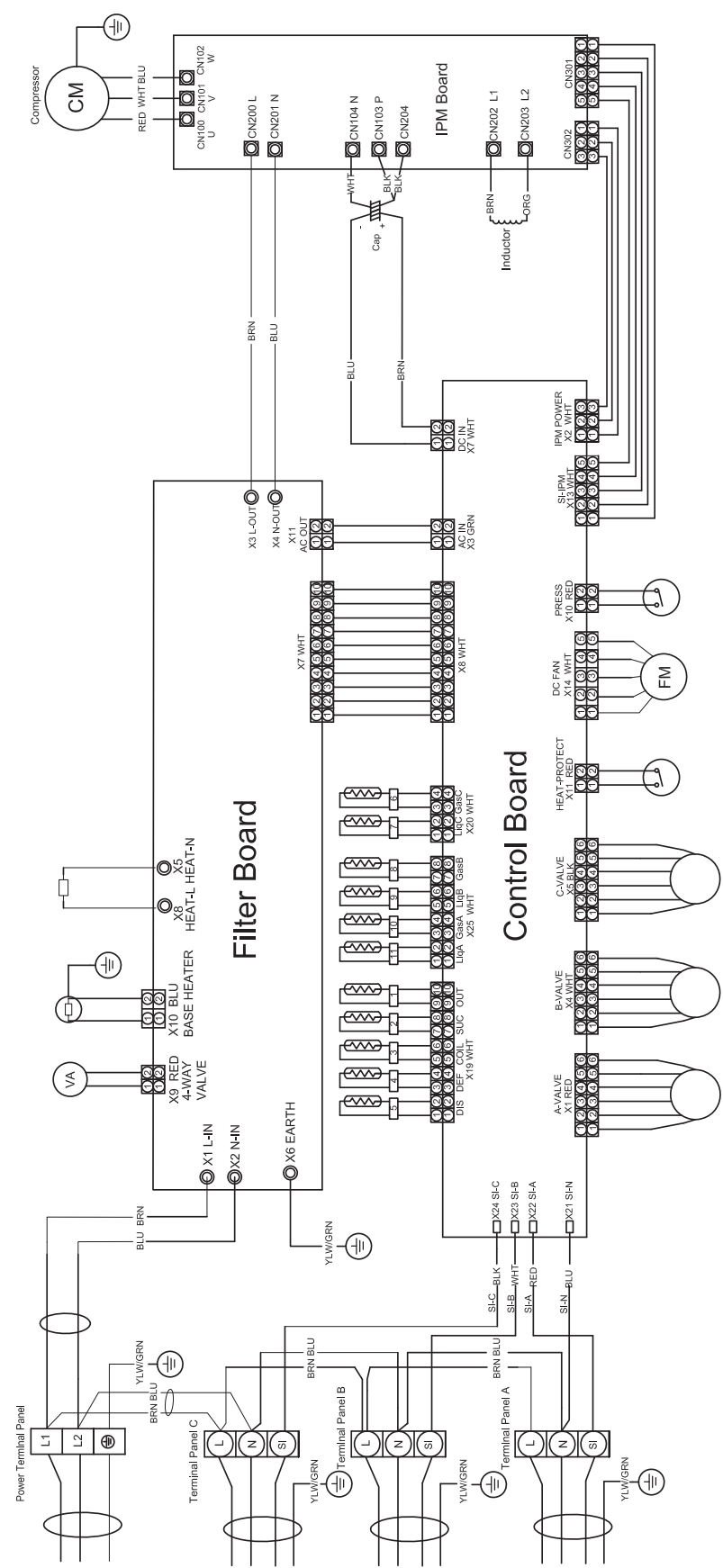
OUTDOOR UNIT
WHP18-42M



OUTDOOR UNIT
WHP18-42M

5-2. Model: WHP24M3A21S

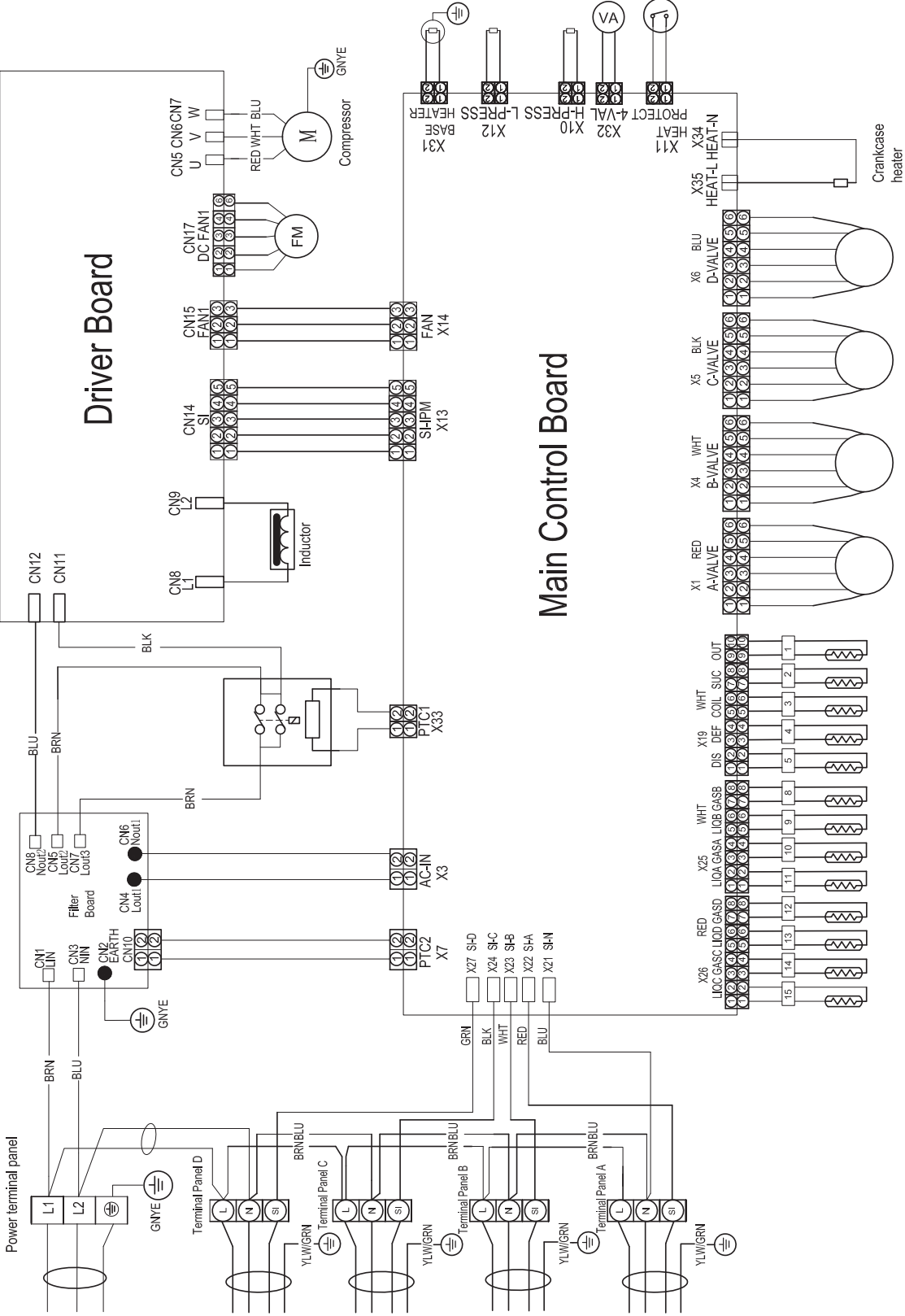
OUTDOOR UNIT
WHP18-42M



OUTDOOR UNIT
WHP18-42M

5-3. Model: WHP36M4A21S

OUTDOOR UNIT
WHP18-42M



OUTDOOR UNIT
WHP18-42M

OUTDOOR UNIT
WHP18-42M



6. Capacity table

6-1. Model: WHP18M2A21S

■ Cooling

- TC: Total Capacity (Gross)
- SHC: Sensible Heat Capacity (Gross)
- IP: Input Power (Including the compressor, evaporator fan motor, and condenser fan motor)

Indoor unit connecting capacity	Outdoor temperature		Indoor temperature																	
			64 °FDB/54 °FWB			70 °FDB/60 °FWB			75 °FDB/63 °FWB			80 °FDB/67 °FWB			85 °FDB/71 °FWB			90 °FDB/73 °FWB		
	°FDB	°FWB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
kBtu/h	°FDB	°FWB	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
07 + 09	14	12	15.16	12.64	0.88	17.16	12.62	0.90	18.10	13.94	0.90	19.40	14.53	0.90	20.75	14.88	0.92	21.40	16.47	0.93
	23	21	14.88	12.33	0.96	16.84	12.31	0.97	17.77	13.60	0.98	19.04	14.28	0.98	20.37	14.61	1.01	21.01	16.27	1.01
	32	28	14.76	12.22	1.02	16.70	12.20	1.03	17.63	13.51	1.04	18.87	14.15	1.04	20.18	14.50	1.06	20.85	16.12	1.07
	41	37	14.58	12.14	1.16	16.49	12.12	1.18	17.40	13.39	1.19	18.65	14.06	1.19	19.95	14.39	1.21	20.57	16.02	1.22
	50	47	14.70	12.19	1.31	16.65	12.19	1.33	17.56	13.46	1.34	18.82	14.14	1.34	20.13	14.47	1.38	20.76	16.10	1.39
	59	50	15.53	12.60	1.48	17.59	12.58	1.51	18.56	13.90	1.53	19.88	14.60	1.53	21.26	15.27	1.56	21.93	16.62	1.57
	67	53	18.81	14.34	1.72	21.28	14.32	1.74	22.44	15.81	1.76	24.05	16.60	1.76	25.72	17.40	1.81	26.52	18.91	1.81
	77	62	18.23	14.10	1.97	20.63	14.08	2.01	21.76	15.55	2.03	23.31	16.34	2.03	24.94	17.00	2.07	25.71	18.61	2.08
	87	69	17.75	13.87	2.24	20.09	13.85	2.28	21.19	15.30	2.30	22.71	16.07	2.30	24.29	16.44	2.35	25.05	18.30	2.36
	95	75	17.25	13.30	2.41	19.52	13.29	2.46	20.60	14.68	2.48	21.71	15.41	2.48	23.60	15.77	2.53	24.33	17.55	2.54
	104	78	14.63	12.16	2.19	16.57	12.15	2.23	17.48	13.42	2.24	18.72	14.09	2.24	20.04	14.43	2.30	20.66	16.06	2.31
07 + 12	115	80	10.77	10.70	1.76	12.20	10.68	1.78	12.87	11.80	1.80	13.79	12.40	1.80	14.76	12.69	1.84	15.22	14.13	1.85
	14	12	15.67	13.06	0.90	17.74	13.05	0.92	18.71	14.41	0.92	20.05	15.02	0.92	21.45	15.38	0.94	22.12	17.02	0.95
	23	21	15.38	12.74	0.98	17.41	12.73	0.99	18.37	14.06	0.99	19.68	14.76	0.99	21.06	15.11	1.02	21.71	16.82	1.02
	32	28	15.26	12.63	1.03	17.26	12.61	1.05	18.22	13.96	1.06	19.51	14.63	1.06	20.86	14.98	1.08	21.55	16.66	1.09
	41	37	15.07	12.54	1.18	17.05	12.53	1.20	17.99	13.84	1.21	19.27	14.53	1.21	20.62	14.87	1.23	21.26	16.56	1.24
	50	47	15.20	12.60	1.33	17.20	12.60	1.35	18.15	13.91	1.37	19.45	14.61	1.37	20.81	14.96	1.40	21.46	16.65	1.41
	59	50	16.06	13.02	1.51	18.18	13.00	1.54	19.18	14.37	1.56	20.54	15.09	1.56	21.98	15.79	1.58	22.67	17.18	1.59
	67	53	19.44	14.82	1.75	22.00	14.80	1.77	23.20	16.34	1.79	24.86	17.16	1.79	26.59	17.98	1.84	27.41	19.55	1.84
	77	62	18.85	14.58	2.01	21.33	14.56	2.05	22.49	16.08	2.07	24.10	16.89	2.07	25.78	17.57	2.11	26.58	19.23	2.12
	87	69	18.35	14.33	2.28	20.77	14.32	2.32	21.90	15.82	2.34	23.47	16.61	2.34	25.11	16.99	2.39	25.89	18.92	2.40
	95	75	17.83	13.75	2.45	20.18	13.73	2.51	21.29	15.17	2.53	22.44	15.93	2.53	24.39	16.30	2.58	25.15	18.14	2.59
09 + 09	104	78	15.13	12.57	2.23	17.13	12.56	2.27	18.07	13.88	2.28	19.35	14.57	2.28	20.71	14.91	2.34	21.35	16.60	2.35
	115	80	11.14	11.06	1.78	12.61	11.04	1.81	13.30	12.20	1.83	14.26	12.81	1.83	15.26	13.11	1.87	15.74	14.60	1.88
	14	12	15.16	12.64	0.88	17.16	12.62	0.90	18.10	13.94	0.90	19.40	14.53	0.90	20.75	14.88	0.92	21.40	16.47	0.93
	23	21	14.88	12.33	0.96	16.84	12.31	0.97	17.77	13.60	0.98	19.04	14.28	0.98	20.37	14.61	1.01	21.01	16.27	1.01
	32	28	14.76	12.22	1.02	16.70	12.20	1.03	17.63	13.51	1.04	18.87	14.15	1.04	20.18	14.50	1.06	20.85	16.12	1.07
	41	37	14.58	12.14	1.16	16.49	12.12	1.18	17.40	13.39	1.19	18.65	14.06	1.19	19.95	14.39	1.21	20.57	16.02	1.22
	50	47	14.70	12.19	1.31	16.65	12.19	1.33	17.56	13.46	1.34	18.82	14.14	1.34	20.13	14.47	1.38	20.76	16.10	1.39
	59	50	15.53	12.60	1.48	17.59	12.58	1.51	18.56	13.90	1.53	19.88	14.60	1.53	21.26	15.27	1.56	21.93	16.62	1.57
	67	53	18.81	14.34	1.72	21.28	14.32	1.74	22.44	15.81	1.76	24.05	16.60	1.76	25.72	17.40	1.81	26.52	18.91	1.81
	77	62	18.23	14.10	1.97	20.63	14.08	2.01	21.76	15.55	2.03	23.31	16.34	2.03	24.94	17.00	2.07	25.71	18.61	2.08
	87	69	17.75	13.87	2.24	20.09	13.85	2.28	21.19	15.30	2.30	22.71	16.07	2.30	24.29	16.44	2.35	25.05	18.30	2.36
09 + 12	95	75	17.25	13.30	2.41	19.52	13.29	2.46	20.60	14.68	2.48	21.71	15.41	2.48	23.60	15.77	2.53	24.33	17.55	2.54
	104	78	14.63	12.16	2.19	16.57	12.15	2.23	17.48	13.42	2.24	18.72	14.09	2.24	20.04	14.43	2.30	20.66	16.06	2.31
	115	80	10.77	10.70	1.76	12.20	10.68	1.78	12.87	11.80	1.80	13.79	12.40	1.80	14.76	12.69	1.84	15.22	14.13	1.85
	14	12	15.67	13.06	0.90	17.74	13.05	0.92	18.71	14.41	0.92	20.05	15.02	0.92	21.45	15.38	0.94	22.12	17.02	0.95
	23	21	15.38	12.74	0.98	17.41	12.73	0.99	18.37	14.06	0.99	19.68	14.76	0.99	21.06	15.11	1.02	21.71	16.82	1.02
	32	28	15.26	12.63	1.03	17.26	12.61	1.05	18.22	13.96	1.06	19.51	14.63	1.06	20.86	14.98	1.08	21.55	16.66	1.09
	41	37	15.07	12.54	1.18	17.05	12.53	1.20	17.99	13.84	1.21	19.27	14.53	1.21	20.62	14.87	1.23	21.26	16.56	1.24
	50	47	15.20	12.60	1.33	17.20	12.60	1.35	18.15	13.91	1.37	19.45	14.61	1.37	20.81	14.96	1.40	21.46	16.65	1.41
	59	50	16.06	13.02	1.51	18.18	13.00	1.54	19.18	14.37	1.56	20.54	15.09	1.56	21.98	15.79	1.58	22.67	17.18	1.59
	67	53	19.44	14.82	1.75	22.00	14.80	1.77	23.20	16.34	1.79	24.86	17.16	1.79	26.59	17.98	1.84	27.41	19.55	1.84
	77	62	18.85	14.58	2.01	21.33	14.56	2.05	22.49	16.08	2.07	24.10	16.89	2.07	25.78	17.57	2.11	26.58	19.23	2.12
	87	69	18.35	14.33	2.28	20.77	14.32	2.32	21.90	15.82	2.34	23.47	16.61	2.34	25.11	16.99	2.39	25.89	18.92	2.40
09 + 12	95	75	17.83	13.75	2.45	20.18	13.73	2.51	21.29	15.17	2.53	22.44	15.93	2.53	24.39	16.30	2.58	25.15	18.14	2.59
	104	78	15.13	12.57	2.23	17.13	12.56	2.27	18.07	13.88	2.28	19.35	14.57	2.28	20.71	14.91	2.34	21.35	16.60	2.35
	115	80	11.14	11.06	1.78	12.61	11.04	1.81	13.30	12.20	1.83	14.26	12.81	1.83	15.26	13.11	1.87	15.74	14.60	1.88

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]
 - Indoor unit fan speed: HIGH
- 2 or more indoor units should be connected.
- The total ability of connected a indoor unit is from 16,000 Btu/h up to 21,000 Btu/h.
- Input in the table are calculated based on the maximum indoor unit input combinations.
- Capacity loss due to white frost and defrost operation is not included.

■ Heating

- TC: Total Capacity (Gross)
- IP: Input Power (Including the compressor, evaporator fan motor, and condenser fan motor)

Indoor unit connecting capacity	Outdoor temperature		Indoor temperature									
			60 °FDB		65 °FDB		70 °FDB		75 °FDB		78 °FDB	
			TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
kBtu/h	°FDB	°FWB	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
07 + 09	-13	-15	12.83	2.17	12.68	2.13	12.60	2.09	12.25	2.05	11.84	2.01
	-5	-7	15.62	2.28	15.22	2.24	14.84	2.20	14.54	2.15	14.10	2.11
	5	3	18.83	2.43	18.38	2.38	18.00	2.34	17.78	2.29	17.36	2.24
	14	12	21.51	2.58	20.97	2.53	20.48	2.48	19.95	2.43	19.40	2.38
	23	19	22.66	2.71	22.10	2.66	21.54	2.60	20.99	2.55	20.43	2.53
	32	28	23.70	2.89	23.09	2.84	22.60	2.77	21.95	2.72	21.38	2.66
	41	37	24.91	2.99	24.27	2.93	23.77	2.87	23.11	2.82	22.53	2.77
	47	43	25.84	3.10	25.06	3.04	24.48	2.98	23.90	2.95	23.31	2.90
	50	47	23.76	2.87	23.15	2.81	22.74	2.75	22.08	2.69	21.48	2.67
	59	50	21.33	2.54	20.78	2.50	20.42	2.44	19.83	2.38	19.28	2.37
07 + 12	68	59	18.85	2.13	18.37	2.09	18.04	2.04	17.52	2.00	17.04	1.98
	75	65	13.60	1.58	13.25	1.55	13.01	1.52	12.64	1.48	12.29	1.47
	-13	-15	12.83	2.17	12.68	2.13	12.60	2.09	12.25	2.05	11.84	2.01
	-5	-7	15.62	2.28	15.22	2.24	14.84	2.20	14.54	2.15	14.10	2.11
	5	3	18.83	2.43	18.38	2.38	18.00	2.34	17.78	2.29	17.36	2.24
	14	12	21.93	2.63	21.38	2.58	20.88	2.53	20.34	2.48	19.78	2.43
	23	19	23.54	2.82	22.96	2.77	22.38	2.71	21.80	2.65	21.22	2.62
	32	28	25.06	3.05	24.41	3.00	23.90	2.93	23.21	2.87	22.61	2.82
	41	37	26.78	3.22	26.09	3.15	25.56	3.08	24.85	3.03	24.23	2.97
	47	43	28.23	3.39	27.38	3.33	26.75	3.26	26.11	3.22	25.47	3.17
09 + 09	50	47	25.96	3.13	25.30	3.07	24.85	3.01	24.13	2.94	23.47	2.92
	59	50	23.31	2.77	22.71	2.73	22.31	2.67	21.66	2.60	21.07	2.59
	68	59	20.60	2.33	20.07	2.28	19.71	2.23	19.14	2.18	18.62	2.16
	75	65	14.86	1.73	14.47	1.70	14.22	1.66	13.81	1.62	13.43	1.60
	-13	-15	12.83	2.17	12.68	2.13	12.60	2.09	12.25	2.05	11.84	2.01
	-5	-7	15.62	2.28	15.22	2.24	14.84	2.20	14.54	2.15	14.10	2.11
	5	3	18.83	2.43	18.38	2.38	18.00	2.34	17.78	2.29	17.36	2.24
	14	12	21.51	2.58	20.97	2.53	20.48	2.48	19.95	2.43	19.40	2.38
	23	19	22.66	2.71	22.10	2.66	21.54	2.60	20.99	2.55	20.43	2.53
	32	28	23.70	2.89	23.09	2.84	22.60	2.77	21.95	2.72	21.38	2.66
09 + 12	41	37	24.91	2.99	24.27	2.93	23.77	2.87	23.11	2.82	22.53	2.77
	47	43	25.84	3.10	25.06	3.04	24.48	2.98	23.90	2.95	23.31	2.90
	50	47	23.76	2.87	23.15	2.81	22.74	2.75	22.08	2.69	21.48	2.67
	59	50	21.33	2.54	20.78	2.50	20.42	2.44	19.83	2.38	19.28	2.37
	68	59	18.85	2.13	18.37	2.09	18.04	2.04	17.52	2.00	17.04	1.98
	75	65	13.60	1.58	13.25	1.55	13.01	1.52	12.64	1.48	12.29	1.47
	-13	-15	12.83	2.17	12.68	2.13	12.60	2.09	12.25	2.05	11.84	2.01
	-5	-7	15.62	2.28	15.22	2.24	14.84	2.20	14.54	2.15	14.10	2.11
	5	3	18.83	2.43	18.38	2.38	18.00	2.34	17.78	2.29	17.36	2.24
	14	12	21.93	2.63	21.38	2.58	20.88	2.53	20.34	2.48	19.78	2.43

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]
 - Indoor unit fan speed: HIGH
- 2 or more indoor units should be connected.
- The total ability of connected a indoor unit is from 16,000 Btu/h up to 21,000 Btu/h.
- Input in the table are calculated based on the maximum indoor unit input combinations.
- Capacity loss due to white frost and defrost operation is not included.

6-2. Model: WHP24M3A21S

Cooling

- TC: Total Capacity (Gross)
- SHC: Sensible Heat Capacity (Gross)
- IP: Input Power (Including the compressor, evaporator fan motor, and condenser fan motor)

Indoor unit connecting capacity	Outdoor temperature		Indoor temperature																	
			64 °FDB/54 °FWB			70 °FDB/60 °FWB			75 °FDB/63 °FWB			80 °FDB/67 °FWB			85 °FDB/71 °FWB			90 °FDB/73 °FWB		
			TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
kBtu/h	°FDB	°FWB	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
07 + 18	14	12	20.76	17.35	1.00	23.50	17.33	1.02	24.79	19.15	1.02	26.57	19.65	1.03	28.42	20.58	1.04	29.30	22.91	1.05
	23	21	20.32	16.81	1.09	22.99	16.79	1.10	24.26	18.55	1.11	25.99	19.47	1.12	27.81	19.93	1.14	28.67	22.19	1.14
	32	28	20.03	16.66	1.19	22.66	16.64	1.21	23.92	18.42	1.23	25.61	19.30	1.24	27.39	19.77	1.25	28.30	21.98	1.26
	41	37	19.78	16.55	1.27	22.38	16.53	1.29	23.62	18.26	1.30	25.31	19.18	1.31	27.08	19.62	1.32	27.91	21.85	1.34
	50	47	19.95	16.63	1.34	22.59	16.62	1.36	23.83	18.35	1.37	25.53	19.28	1.40	27.32	19.73	1.41	28.17	21.96	1.42
	59	50	21.08	17.18	1.59	23.87	17.15	1.62	25.18	18.96	1.65	26.97	19.91	1.65	28.86	20.72	1.67	29.76	22.67	1.68
	67	53	25.02	19.28	1.96	28.32	19.26	1.99	29.86	21.26	2.01	32.00	22.33	2.03	34.23	23.37	2.06	35.29	25.43	2.07
	77	62	24.67	19.00	2.23	27.91	18.97	2.27	29.43	20.95	2.29	31.54	22.01	2.32	33.74	22.82	2.34	34.79	25.06	2.35
	87	69	24.07	18.52	2.40	27.25	18.50	2.44	28.73	20.44	2.46	30.79	21.46	2.48	32.94	22.10	2.52	33.97	24.44	2.53
	95	75	23.32	18.00	2.51	26.39	17.98	2.57	27.83	19.86	2.59	29.34	20.85	2.61	31.89	21.34	2.64	32.89	23.75	2.65
	104	78	19.86	16.58	2.37	22.49	16.57	2.42	23.72	18.31	2.43	25.41	19.22	2.46	27.19	19.68	2.49	28.03	21.90	2.50
115	80	14.62	14.59	2.04	16.56	14.56	2.07	17.46	16.09	2.09	18.72	16.90	2.12	20.03	17.30	2.14	20.66	19.27	2.15	
09 + 12	14	12	18.06	15.09	0.87	20.44	15.07	0.89	21.55	16.65	0.89	23.10	17.09	0.90	24.71	17.90	0.90	25.48	19.92	0.91
	23	21	17.67	14.62	0.95	19.99	14.60	0.96	21.09	16.13	0.97	22.60	16.93	0.97	24.18	17.33	0.99	24.93	19.30	0.99
	32	28	17.42	14.49	1.04	19.70	14.47	1.06	20.80	16.02	1.07	22.27	16.78	1.08	23.82	17.19	1.08	24.61	19.11	1.09
	41	37	17.20	14.39	1.10	19.46	14.37	1.12	20.54	15.88	1.13	22.01	16.67	1.14	23.54	17.06	1.15	24.27	19.00	1.16
	50	47	17.35	14.46	1.16	19.64	14.45	1.18	20.72	15.96	1.19	22.20	16.76	1.21	23.75	17.16	1.22	24.50	19.10	1.23
	59	50	18.33	14.94	1.38	20.75	14.92	1.41	21.90	16.49	1.43	23.45	17.31	1.43	25.09	18.02	1.45	25.88	19.71	1.46
	67	53	21.76	16.76	1.70	24.62	16.74	1.73	25.97	18.49	1.75	27.83	19.41	1.76	29.76	20.32	1.79	30.69	22.11	1.80
	77	62	21.45	16.52	1.94	24.27	16.50	1.98	25.59	18.22	2.00	27.43	19.14	2.01	29.34	19.85	2.03	30.25	21.79	2.04
	87	69	20.93	16.10	2.08	23.69	16.08	2.12	24.98	17.77	2.14	26.78	18.66	2.16	28.64	19.22	2.19	29.54	21.25	2.20
	95	75	20.28	15.65	2.19	22.94	15.63	2.23	24.20	17.27	2.25	25.52	18.13	2.27	27.73	18.55	2.30	28.60	20.65	2.30
	104	78	17.27	14.42	2.06	19.55	14.41	2.10	20.63	15.92	2.11	22.09	16.71	2.14	23.64	17.11	2.16	24.38	19.05	2.17
115	80	12.71	12.68	1.77	14.40	12.66	1.80	15.18	13.99	1.82	16.28	14.70	1.84	17.42	15.05	1.86	17.96	16.75	1.87	
09 + 18	14	12	20.76	17.35	1.00	23.50	17.33	1.02	24.79	19.15	1.02	26.57	19.65	1.03	28.42	20.58	1.04	29.30	22.91	1.05
	23	21	20.32	16.81	1.09	22.99	16.79	1.10	24.26	18.55	1.11	25.99	19.47	1.12	27.81	19.93	1.14	28.67	22.19	1.14
	32	28	20.03	16.66	1.19	22.66	16.64	1.21	23.92	18.42	1.23	25.61	19.30	1.24	27.39	19.77	1.25	28.30	21.98	1.26
	41	37	19.78	16.55	1.27	22.38	16.53	1.29	23.62	18.26	1.30	25.31	19.18	1.31	27.08	19.62	1.32	27.91	21.85	1.34
	50	47	19.95	16.63	1.34	22.59	16.62	1.36	23.83	18.35	1.37	25.53	19.28	1.40	27.32	19.73	1.41	28.17	21.96	1.42
	59	50	21.08	17.18	1.59	23.87	17.15	1.62	25.18	18.96	1.65	26.97	19.91	1.65	28.86	20.72	1.67	29.76	22.67	1.68
	67	53	25.02	19.28	1.96	28.32	19.26	1.99	29.86	21.26	2.01	32.00	22.33	2.03	34.23	23.37	2.06	35.29	25.43	2.07
	77	62	24.67	19.00	2.23	27.91	18.97	2.27	29.43	20.95	2.29	31.54	22.01	2.32	33.74	22.82	2.34	34.79	25.06	2.35
	87	69	24.07	18.52	2.40	27.25	18.50	2.44	28.73	20.44	2.46	30.79	21.46	2.48	32.94	22.10	2.52	33.97	24.44	2.53
	95	75	23.32	18.00	2.51	26.39	17.98	2.57	27.83	19.86	2.59	29.34	20.85	2.61	31.89	21.34	2.64	32.89	23.75	2.65
	104	78	19.86	16.58	2.37	22.49	16.57	2.42	23.72	18.31	2.43	25.41	19.22	2.46	27.19	19.68	2.49	28.03	21.90	2.50
115	80	14.62	14.59	2.04	16.56	14.56	2.07	17.46	16.09	2.09	18.72	16.90	2.12	20.03	17.30	2.14	20.66	19.27	2.15	
12 + 12	14	12	20.63	17.25	0.99	23.36	17.22	1.01	24.63	19.03	1.01	26.40	19.53	1.02	28.24	20.46	1.03	29.12	22.76	1.05
	23	21	20.19	16.71	1.08	22.85	16.68	1.09	24.11	18.43	1.10	25.83	19.35	1.11	27.63	19.80	1.14	28.50	22.05	1.14
	32	28	19.91	16.56	1.19	22.52	16.54	1.21	23.78	18.31	1.22	25.45	19.18	1.23	27.22	19.65	1.24	28.12	21.84	1.25
	41	37	19.66	16.45	1.26	22.24	16.42	1.28	23.47	18.15	1.29	25.15	19.06	1.31	26.91	19.50	1.32	27.74	21.71	1.33
	50	47	19.83	16.53	1.33	22.45	16.51	1.35	23.69	18.24	1.37	25.38	19.16	1.39	27.15	19.61	1.40	28.00	21.82	1.41
	59	50	20.95	17.07	1.58	23.72	17.05	1.61	25.02	18.84	1.63	26.81	19.78	1.63	28.68	20.59	1.66	29.57	22.53	1.67
	67	53	24.87	19.16	1.95	28.14	19.14	1.98	29.68	21.13	2.00	31.80	22.19	2.02	34.01	23.22	2.05	35.07	25.27	2.06
	77	62	24.52	18.88	2.21	27.74	18.85	2.26	29.25	20.82	2.28	31.34	21.87	2.30	33.53	22.68	2.32	34.57	24.91	2.34
	87	69	23.92	18.41	2.38	27.08	18.38	2.42	28.55	20.31	2.45	30.60	21.33	2.47	32.73	21.96	2.50	33.75	24.29	2.51
	95	75	23.17	17.89	2.50	26.22	17.86	2.55	27.66	19.73	2.57	29.16	20.72	2.59	31.70	21.20	2.62	32.68	23.60	2.63
	104	78	19.74	16.48	2.35	22.35	16.47	2.40	23.57	18.19	2.41	25.25	19.10	2.45	27.02	19.56	2.47	27.86	21.77	2.48
115	80	14.53	14.49	2.02	16.46	14.47	2.06	17.35	15.99	2.08	18.60	16.80	2.10	19.91	17.20	2.12	20.53	19.15	2.14	
12 + 18	14	12	20.89	17.46	1.00	23.65	17.44	1.02	24.94	19.27	1.02	26.73	19.77	1.04	28.60	20.71	1.05	29.49	23.05	1.06
	23	21	20.44	16.92	1.09	23.13	16.89	1.11	24.41	18.66	1.12	26.15	19.59	1.13	27.98	20.05	1.15	28.85	22.33	1.15
	32	28	20.16	16.77	1.20	22.80	16.74	1.22	24.07	18.53	1.23	25.77	19.42	1.24	27.56	19.89	1.25	28.47	22.11	1.27
	41	37	19.90	16.65	1.28	22.52	16.63	1.30	23.76	18.38	1.31	25.46	19.29	1.32	27.24	19.74	1.33	28.08	21.98	1.34
	50	47	20.08	16.73	1.35	22.73	16.72	1.37	23.98	18.47	1.38	25.69	19.40	1.41	27.49	19.86	1.42	28.35	22.10	1.43
	59	50	21.21	17.28	1.60	24.02	17.26	1.63	25.34	19.08	1.66	27.14	20.03	1.66</						

Indoor unit connecting capacity	Outdoor temperature		Indoor temperature																	
			64 °FDB/54 °FWB			70 °FDB/60 °FWB			75 °FDB/63 °FWB			80 °FDB/67 °FWB			85 °FDB/71 °FWB			90 °FDB/73 °FWB		
			TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
kBtu/h	°FDB	°FWB	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW		
07 + 07 + 09	14	12	20.76	17.35	1.00	23.50	17.33	1.02	24.79	19.15	1.02	26.57	19.65	1.03	28.42	20.58	1.04	29.30	22.91	1.05
	23	21	20.32	16.81	1.09	22.99	16.79	1.10	24.26	18.55	1.11	25.99	19.47	1.12	27.81	19.93	1.14	28.67	22.19	1.14
	32	28	20.03	16.66	1.19	22.66	16.64	1.21	23.92	18.42	1.23	25.61	19.30	1.24	27.39	19.77	1.25	28.30	21.98	1.26
	41	37	19.78	16.55	1.27	22.38	16.53	1.29	23.62	18.26	1.30	25.31	19.18	1.31	27.08	19.62	1.32	27.91	21.85	1.34
	50	47	19.95	16.63	1.34	22.59	16.62	1.36	23.83	18.35	1.37	25.53	19.28	1.40	27.32	19.73	1.41	28.17	21.96	1.42
	59	50	21.08	17.18	1.59	23.87	17.15	1.62	25.18	18.96	1.65	26.97	19.91	1.65	28.86	20.72	1.67	29.76	22.67	1.68
	67	53	25.02	19.28	1.96	28.32	19.26	1.99	29.86	21.26	2.01	32.00	22.33	2.03	34.23	23.37	2.06	35.29	25.43	2.07
	77	62	24.67	19.00	2.23	27.91	18.97	2.27	29.43	20.95	2.29	31.54	22.01	2.32	33.74	22.82	2.34	34.79	25.06	2.35
	87	69	24.07	18.52	2.40	27.25	18.50	2.44	28.73	20.44	2.46	30.79	21.46	2.48	32.94	22.10	2.52	33.97	24.44	2.53
	95	75	23.32	18.00	2.51	26.39	17.98	2.57	27.83	19.86	2.59	29.34	20.85	2.61	31.89	21.34	2.64	32.89	23.75	2.65
	104	78	19.86	16.58	2.37	22.49	16.57	2.42	23.72	18.31	2.43	25.41	19.22	2.46	27.19	19.68	2.49	28.03	21.90	2.50
07 + 07 + 12	115	80	14.62	14.59	2.04	16.56	14.56	2.07	17.46	16.09	2.09	18.72	16.90	2.12	20.03	17.30	2.14	20.66	19.27	2.15
	14	12	20.89	17.46	1.00	23.65	17.44	1.02	24.94	19.27	1.02	26.73	19.77	1.04	28.60	20.71	1.05	29.49	23.05	1.06
	23	21	20.44	16.92	1.09	23.13	16.89	1.11	24.41	18.66	1.12	26.15	19.59	1.13	27.98	20.05	1.15	28.85	22.33	1.15
	32	28	20.16	16.77	1.20	22.80	16.74	1.22	24.07	18.53	1.23	25.77	19.42	1.24	27.56	19.89	1.25	28.47	22.11	1.27
	41	37	19.90	16.65	1.28	22.52	16.63	1.30	23.76	18.38	1.31	25.46	19.29	1.32	27.24	19.74	1.33	28.08	21.98	1.34
	50	47	20.08	16.73	1.35	22.73	16.72	1.37	23.98	18.47	1.38	25.69	19.40	1.41	27.49	19.86	1.42	28.35	22.10	1.43
	59	50	21.21	17.28	1.60	24.02	17.26	1.63	25.34	19.08	1.66	27.14	20.03	1.66	29.04	20.85	1.68	29.94	22.81	1.69
	67	53	25.18	19.40	1.97	28.49	19.37	2.00	30.05	21.40	2.02	32.20	22.46	2.04	34.44	23.51	2.07	35.51	25.59	2.08
	77	62	24.82	19.11	2.24	28.09	19.09	2.29	29.62	21.08	2.31	31.74	22.14	2.33	33.95	22.96	2.35	35.00	25.22	2.37
	87	69	24.22	18.64	2.41	27.41	18.61	2.45	28.91	20.57	2.48	30.98	21.60	2.50	33.14	22.23	2.53	34.18	24.59	2.54
	95	75	23.46	18.11	2.53	26.55	18.09	2.58	28.01	19.98	2.60	29.52	20.98	2.62	32.09	21.47	2.66	33.09	23.90	2.67
07 + 09 + 09	104	78	19.98	16.69	2.38	22.63	16.67	2.43	23.87	18.42	2.44	25.57	19.34	2.48	27.36	19.80	2.50	28.21	22.04	2.51
	115	80	14.71	14.68	2.05	16.66	14.65	2.08	17.57	16.19	2.11	18.83	17.01	2.13	20.16	17.41	2.15	20.79	19.39	2.16
	14	12	20.76	17.35	1.00	23.50	17.33	1.02	24.79	19.15	1.02	26.57	19.65	1.03	28.42	20.58	1.04	29.30	22.91	1.05
	23	21	20.32	16.81	1.09	22.99	16.79	1.10	24.26	18.55	1.11	25.99	19.47	1.12	27.81	19.93	1.14	28.67	22.19	1.14
	32	28	20.03	16.66	1.19	22.66	16.64	1.21	23.92	18.42	1.23	25.61	19.30	1.24	27.39	19.77	1.25	28.30	21.98	1.26
	41	37	19.78	16.55	1.27	22.38	16.53	1.29	23.62	18.26	1.30	25.31	19.18	1.31	27.08	19.62	1.32	27.91	21.85	1.34
	50	47	19.95	16.63	1.34	22.59	16.62	1.36	23.83	18.35	1.37	25.53	19.28	1.40	27.32	19.73	1.41	28.17	21.96	1.42
	59	50	21.08	17.18	1.59	23.87	17.15	1.62	25.18	18.96	1.65	26.97	19.91	1.65	28.86	20.72	1.67	29.76	22.67	1.68
	67	53	25.02	19.28	1.96	28.32	19.26	1.99	29.86	21.26	2.01	32.00	22.33	2.03	34.23	23.37	2.06	35.29	25.43	2.07
	77	62	24.67	19.00	2.23	27.91	18.97	2.27	29.43	20.95	2.29	31.54	22.01	2.32	33.74	22.82	2.34	34.79	25.06	2.35
	87	69	24.07	18.52	2.40	27.25	18.50	2.44	28.73	20.44	2.46	30.79	21.46	2.48	32.94	22.10	2.52	33.97	24.44	2.53
07 + 12 + 12	95	75	23.32	18.00	2.51	26.39	17.98	2.57	27.83	19.86	2.59	29.34	20.85	2.61	31.89	21.34	2.64	32.89	23.75	2.65
	104	78	19.86	16.58	2.37	22.49	16.57	2.42	23.72	18.31	2.43	25.41	19.22	2.46	27.19	19.68	2.49	28.03	21.90	2.50
	115	80	14.62	14.59	2.04	16.56	14.56	2.07	17.46	16.09	2.09	18.72	16.90	2.12	20.03	17.30	2.14	20.66	19.27	2.15
	14	12	20.89	17.46	1.00	23.65	17.44	1.02	24.94	19.27	1.02	26.73	19.77	1.04	28.60	20.71	1.05	29.49	23.05	1.06
	23	21	20.44	16.92	1.09	23.13	16.89	1.11	24.41	18.66	1.12	26.15	19.59	1.13	27.98	20.05	1.15	28.85	22.33	1.15
	32	28	20.16	16.77	1.20	22.80	16.74	1.22	24.07	18.53	1.23	25.77	19.42	1.24	27.56	19.89	1.25	28.47	22.11	1.27
	41	37	19.90	16.65	1.28	22.52	16.63	1.30	23.76	18.38	1.31	25.46	19.29	1.32	27.24	19.74	1.33	28.08	21.98	1.34
	50	47	20.08	16.73	1.35	22.73	16.72	1.37	23.98	18.47	1.38	25.69	19.40	1.41	27.49	19.86	1.42	28.35	22.10	1.43
	59	50	21.21	17.28	1.60	24.02	17.26	1.63	25.34	19.08	1.66	27.14	20.03	1.66	29.04	20.85	1.68	29.94	22.81	1.69
	67	53	25.18	19.40	1.97	28.49	19.37	2.00	30.05	21.40	2.02	32.20	22.46	2.04	34.44	23.51	2.07	35.51	25.59	2.08
	77	62	24.82	19.11	2.24	28.09	19.09	2.29	29.62	21.08	2.31	31.74	22.14	2.33	33.95	22.96	2.35	35.00	25.22	2.37
09 + 09 + 09	87	69	24.22	18.64	2.41	27.41	18.61	2.45	28.91	20.57	2.48	30.98	21.60	2.50	33.14	22.23	2.53	34.18	24.59	2.54
	95	75	23.46	18.11	2.53	26.55	18.09	2.58	28.01	19.98	2.60	29.52	20.98	2.62	32.09	21.47	2.66	33.09	23.90	2.67
	104	78	19.98	16.69	2.38	22.63	16.67	2.43	23.87	18.42	2.44	25.57	19.34	2.48	27.36	19.80	2.50	28.21	22.04	2.51
	115	80	14.71	14.68	2.05	16.66	14.65	2.08	17.57	16.19	2.11	18.83	17.01	2.13	20.16	17.41	2.15	20.79	19.39	2.16
	14	12	20.76	17.35	1.00	23.50	17.33	1.02	24.79	19.15	1.02	26.57	19.65	1.03	28.42	20.58	1.04	29.30	22.91	1.05
	23	21	20.32	16.81	1.09	22.99	16.79	1.10	24.26	18.55	1.11	25.99	19.47	1.12	27.81	19.93	1.14	28.67	22.19	1.14
	32	28	20.03	16.66	1.19	22.66	16.64	1.21	23.92	18.42	1.23	25.61	19.30	1.24	27.39	19.77	1.25	28.30	21.98	

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]
 - Indoor unit fan speed: HIGH
- 2 or more indoor units should be connected.
- The total ability of connected a indoor unit is from 21,000 Btu/h up to 31,000 Btu/h.
- Input in the table are calculated based on the maximum indoor unit input combinations.
- Capacity loss due to white frost and defrost operation is not included.

■ Heating

- TC: Total Capacity (Gross)
- IP: Input Power (Including the compressor, evaporator fan motor, and condenser fan motor)

Indoor unit connecting capacity	Outdoor temperature		Indoor temperature									
			60 °FDB		65 °FDB		70 °FDB		75 °FDB		78 °FDB	
			TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
kBtu/h	°FDB	°FWB	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
07 + 18	-13	-15	17.11	2.40	16.91	2.45	16.80	2.50	16.33	2.55	15.78	2.60
	-5	-7	20.83	2.94	20.29	2.99	19.79	3.07	19.39	3.12	18.80	3.18
	5	3	25.11	3.47	24.50	3.55	24.00	3.62	23.71	3.69	23.14	3.76
	14	12	28.62	3.59	27.91	3.66	26.16	3.75	26.54	3.82	25.81	3.89
	23	19	29.55	3.64	28.82	3.71	27.59	3.79	27.44	3.87	26.70	3.94
	32	28	31.42	3.50	30.61	3.57	29.97	3.64	29.10	3.72	28.35	3.79
	41	37	32.97	3.34	32.11	3.41	31.46	3.47	30.58	3.55	29.82	3.62
	47	43	34.53	3.09	33.64	3.10	33.05	3.17	32.09	3.23	31.21	3.30
	50	47	31.39	2.77	30.58	2.79	30.04	2.85	29.18	2.91	28.37	2.97
	59	50	28.18	2.45	27.46	2.47	26.97	2.53	26.19	2.59	25.47	2.63
09 + 12	68	59	24.90	2.14	24.26	2.16	23.83	2.21	23.15	2.26	22.51	2.30
	75	65	17.96	1.52	17.50	1.54	17.19	1.58	16.69	1.61	16.23	1.64
	-13	-15	16.40	2.40	16.21	2.45	16.10	2.50	15.65	2.55	15.12	2.60
	-5	-7	19.96	2.94	19.44	2.99	18.97	3.07	18.58	3.12	18.01	3.18
	5	3	24.06	3.47	23.48	3.55	23.00	3.62	22.72	3.69	22.18	3.76
	14	12	26.68	3.49	26.01	3.56	24.39	3.64	24.74	3.71	24.06	3.78
	23	19	26.78	3.44	26.13	3.51	25.01	3.58	24.87	3.66	24.20	3.73
	32	28	27.70	3.22	26.99	3.28	26.42	3.35	25.66	3.43	24.99	3.49
	41	37	28.27	2.99	27.54	3.05	26.97	3.10	26.22	3.17	25.57	3.24
	47	43	28.79	2.69	28.05	2.70	27.56	2.76	26.76	2.81	26.02	2.87
09 + 18	50	47	26.17	2.41	25.50	2.43	25.05	2.48	24.33	2.53	23.66	2.58
	59	50	23.50	2.13	22.90	2.15	22.49	2.20	21.84	2.25	21.24	2.29
	68	59	20.76	1.86	20.23	1.88	19.87	1.92	19.30	1.96	18.77	2.00
	75	65	14.98	1.32	14.59	1.34	14.33	1.37	13.92	1.40	13.54	1.42
	-13	-15	17.11	2.40	16.91	2.45	16.80	2.50	16.33	2.55	15.78	2.60
	-5	-7	20.83	2.94	20.29	2.99	19.79	3.07	19.39	3.12	18.80	3.18
	5	3	25.11	3.47	24.50	3.55	24.00	3.62	23.71	3.69	23.14	3.76
	14	12	28.62	3.59	27.91	3.66	26.16	3.75	26.54	3.82	25.81	3.89
	23	19	29.55	3.64	28.82	3.71	27.59	3.79	27.44	3.87	26.70	3.94
	32	28	31.42	3.50	30.61	3.57	29.97	3.64	29.10	3.72	28.35	3.79
12 + 12	41	37	32.97	3.34	32.11	3.41	31.46	3.47	30.58	3.55	29.82	3.62
	47	43	34.53	3.09	33.64	3.10	33.05	3.17	32.09	3.23	31.21	3.30
	50	47	31.39	2.77	30.58	2.79	30.04	2.85	29.18	2.91	28.37	2.97
	59	50	28.18	2.45	27.46	2.47	26.97	2.53	26.19	2.59	25.47	2.63
	68	59	24.90	2.14	24.26	2.16	23.83	2.21	23.15	2.26	22.51	2.30
	75	65	17.96	1.52	17.50	1.54	17.19	1.58	16.69	1.61	16.23	1.64
	-13	-15	17.11	2.40	16.91	2.45	16.80	2.50	16.33	2.55	15.78	2.60
	-5	-7	20.83	2.94	20.29	2.99	19.79	3.07	19.39	3.12	18.80	3.18
	5	3	25.11	3.47	24.50	3.55	24.00	3.62	23.71	3.69	23.14	3.76
	14	12	28.36	3.56	27.65	3.63	25.92	3.71	26.30	3.78	25.57	3.85
12 + 18	23	19	29.01	3.57	28.30	3.65	27.09	3.72	26.95	3.80	26.21	3.87
	32	28	30.58	3.41	29.80	3.48	29.17	3.54	28.33	3.62	27.59	3.69
	41	37	31.81	3.23	30.99	3.29	30.35	3.34	29.51	3.42	28.77	3.49
	47	43	33.03	2.95	32.19	2.97	31.62	3.03	30.70	3.09	29.86	3.16
	50	47	30.03	2.65	29.26	2.67	28.74	2.73	27.91	2.78	27.14	2.84
	59	50	26.96	2.35	26.27	2.36	25.80	2.42	25.06	2.48	24.37	2.51
	68	59	23.82	2.05	23.21	2.07	22.80	2.11	22.14	2.16	21.53	2.20
	75	65	17.18	1.45	16.74	1.47	16.45	1.51	15.97	1.54	15.53	1.57
	-13	-15	17.11	2.40	16.91	2.45	16.80	2.50	16.33	2.55	15.78	2.60
	-5	-7	20.83	2.94	20.29	2.99	19.79	3.07	19.39	3.12	18.80	3.18
07 + 07 + 07	5	3	25.11	3.47	24.50	3.55	24.00	3.62	23.71	3.69	23.14	3.76
	14	12	28.62	3.59	27.91	3.66	26.16	3.75	26.54	3.82	25.81	3.89
	23	19	29.55	3.64	28.82	3.71	27.59	3.79	27.44	3.87	26.70	3.94
	32	28	31.42	3.50	30.61	3.57	29.97	3.64	29.10	3.72	28.35	3.79
	41	37	32.97	3.34	32.11	3.41	31.46	3.47	30.58	3.55	29.82	3.62
	47	43	34.53	3.09	33.64	3.10	33.05	3.17	32.09	3.23	31.21	3.30
	50	47	31.39	2.77	30.58	2.79	30.04	2.85	29.18	2.91	28.37	2.97
	59	50	28.18	2.45	27.46	2.47	26.97	2.53	26.19	2.59	25.47	2.63
	68	59	24.90	2.14	24.26	2.16	23.83	2.21	23.15	2.26	22.51	2.30
	75	65	17.96	1.52	17.50	1.54	17.19	1.58	16.69	1.61	16.23	1.64

OUTDOOR UNIT
WHP18-42M

OUTDOOR UNIT
WHP18-42M

Indoor unit connecting capacity	Outdoor temperature		Indoor temperature									
			60 °FDB		65 °FDB		70 °FDB		75 °FDB		78 °FDB	
			TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
kBtu/h	°FDB	°FWB	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
07 + 07 + 09	-13	-15	17.11	2.40	16.91	2.45	16.80	2.50	16.33	2.55	15.78	2.60
	-5	-7	20.83	2.94	20.29	2.99	19.79	3.07	19.39	3.12	18.80	3.18
	5	3	25.11	3.47	24.50	3.55	24.00	3.62	23.71	3.69	23.14	3.76
	14	12	28.62	3.59	27.91	3.66	26.16	3.75	26.54	3.82	25.81	3.89
	23	19	29.55	3.64	28.82	3.71	27.59	3.79	27.44	3.87	26.70	3.94
	32	28	31.42	3.50	30.61	3.57	29.97	3.64	29.10	3.72	28.35	3.79
	41	37	32.97	3.34	32.11	3.41	31.46	3.47	30.58	3.55	29.82	3.62
	47	43	34.53	3.09	33.64	3.10	33.05	3.17	32.09	3.23	31.21	3.30
	50	47	31.39	2.77	30.58	2.79	30.04	2.85	29.18	2.91	28.37	2.97
	59	50	28.18	2.45	27.46	2.47	26.97	2.53	26.19	2.59	25.47	2.63
	68	59	24.90	2.14	24.26	2.16	23.83	2.21	23.15	2.26	22.51	2.30
07 + 07 + 12	75	65	17.96	1.52	17.50	1.54	17.19	1.58	16.69	1.61	16.23	1.64
	-13	-15	17.11	2.40	16.91	2.45	16.80	2.50	16.33	2.55	15.78	2.60
	-5	-7	20.83	2.94	20.29	2.99	19.79	3.07	19.39	3.12	18.80	3.18
	5	3	25.11	3.47	24.50	3.55	24.00	3.62	23.71	3.69	23.14	3.76
	14	12	29.01	3.64	28.29	3.71	26.52	3.80	26.91	3.87	26.16	3.94
	23	19	30.34	3.74	29.60	3.81	28.34	3.89	28.18	3.97	27.42	4.05
	32	28	32.68	3.64	31.84	3.71	31.16	3.79	30.27	3.87	29.48	3.95
	41	37	34.70	3.52	33.80	3.59	33.11	3.65	32.19	3.73	31.39	3.81
	47	43	36.77	3.29	35.83	3.31	35.19	3.38	34.18	3.44	33.23	3.51
	50	47	33.43	2.95	32.57	2.97	31.99	3.04	31.07	3.10	30.21	3.16
	59	50	30.01	2.61	29.24	2.63	28.72	2.70	27.89	2.76	27.12	2.80
07 + 09 + 09	68	59	26.52	2.28	25.84	2.30	25.38	2.35	24.65	2.40	23.97	2.45
	75	65	19.13	1.62	18.64	1.64	18.31	1.68	17.78	1.71	17.29	1.74
	-13	-15	17.11	2.40	16.91	2.45	16.80	2.50	16.33	2.55	15.78	2.60
	-5	-7	20.83	2.94	20.29	2.99	19.79	3.07	19.39	3.12	18.80	3.18
	5	3	25.11	3.47	24.50	3.55	24.00	3.62	23.71	3.69	23.14	3.76
	14	12	28.62	3.59	27.91	3.66	26.16	3.75	26.54	3.82	25.81	3.89
	23	19	29.55	3.64	28.82	3.71	27.59	3.79	27.44	3.87	26.70	3.94
	32	28	31.42	3.50	30.61	3.57	29.97	3.64	29.10	3.72	28.35	3.79
	41	37	32.97	3.34	32.11	3.41	31.46	3.47	30.58	3.55	29.82	3.62
	47	43	34.53	3.09	33.64	3.10	33.05	3.17	32.09	3.23	31.21	3.30
	50	47	31.39	2.77	30.58	2.79	30.04	2.85	29.18	2.91	28.37	2.97
07 + 09 + 12	59	50	28.18	2.45	27.46	2.47	26.97	2.53	26.19	2.59	25.47	2.63
	68	59	24.90	2.14	24.26	2.16	23.83	2.21	23.15	2.26	22.51	2.30
	75	65	17.96	1.52	17.50	1.54	17.19	1.58	16.69	1.61	16.23	1.64
	-13	-15	17.11	2.40	16.91	2.45	16.80	2.50	16.33	2.55	15.78	2.60
	-5	-7	20.83	2.94	20.29	2.99	19.79	3.07	19.39	3.12	18.80	3.18
	5	3	25.11	3.47	24.50	3.55	24.00	3.62	23.71	3.69	23.14	3.76
	14	12	29.01	3.64	28.29	3.71	26.52	3.80	26.91	3.87	26.16	3.94
	23	19	30.34	3.74	29.60	3.81	28.34	3.89	28.18	3.97	27.42	4.05
	32	28	32.68	3.64	31.84	3.71	31.16	3.79	30.27	3.87	29.48	3.95
	41	37	34.70	3.52	33.80	3.59	33.11	3.65	32.19	3.73	31.39	3.81
	47	43	36.77	3.29	35.83	3.31	35.19	3.38	34.18	3.44	33.23	3.51
07 + 12 + 12	50	47	33.43	2.95	32.57	2.97	31.99	3.04	31.07	3.10	30.21	3.16
	59	50	30.01	2.61	29.24	2.63	28.72	2.70	27.89	2.76	27.12	2.80
	68	59	26.52	2.28	25.84	2.30	25.38	2.35	24.65	2.40	23.97	2.45
	75	65	19.13	1.62	18.64	1.64	18.31	1.68	17.78	1.71	17.29	1.74
	-13	-15	17.11	2.40	16.91	2.45	16.80	2.50	16.33	2.55	15.78	2.60
	-5	-7	20.83	2.94	20.29	2.99	19.79	3.07	19.39	3.12	18.80	3.18
	5	3	25.11	3.47	24.50	3.55	24.00	3.62	23.71	3.69	23.14	3.76
	14	12	29.27	3.67	28.55	3.75	26.76	3.83	27.15	3.90	26.40	3.98
	23	19	30.88	3.80	30.12	3.88	28.83	3.96	28.68	4.04	27.90	4.12
	32	28	33.52	3.73	32.65	3.81	31.96	3.88	31.04	3.97	30.24	4.05
	41	37	35.86	3.64	34.93	3.71	34.22	3.77	33.27	3.86	32.44	3.93
09 + 09 + 09	47	43	38.26	3.42	37.28	3.44	36.62	3.51	35.57	3.58	34.59	3.66
	50	47	34.79	3.07	33.89	3.09	33.29	3.16	32.33	3.23	31.44	3.29
	59	50	31.23	2.72	30.43	2.74	29.89	2.80	29.03	2.87	28.23	2.91
	68	59	27.60	2.37	26.89	2.39	26.41	2.45	25.65	2.50	24.94	2.55
	75	65	19.90	1.68	19.39	1.70	19.05	1.75	18.50	1.78	17.99	1.81
	-13	-15	17.11	2.40	16.91	2.45	16.80	2.50	16.33	2.55	15.78	2.60
	-5	-7	20.83	2.94	20.29	2.99	19.79	3.07	19.39	3.12	18.80	3.18
	5	3	25.11	3.47	24.50	3.55	24.00	3.62	23.71	3.69	23.14	3.76
	14	12	28.62	3.59	27.91	3.66	26.16	3.75	26.54	3.82	25.81	3.89
	23	19	29.55	3.64	28.82	3.71	27.59	3.79	27.44	3.87	26.70	3.94
	32	28	31.42	3.50	30.61	3.57	29.97	3.64	29.10	3.72	28.35	3.79
09 + 09 + 12	41	37	32.97	3.34	32.11	3.41	31.46	3.47	30.58	3.55	29.82	3.62
	47	43	34.53	3.09	33.64	3.10	33.05	3.17	32.09	3.23	31.21	3.30
	50	47	31.39	2.77	30.58	2.79	30.04	2.85	29.18	2.91	28.37	2.97
	59	50	28.18	2.45	27.46	2.47	26.97	2.53	26.19	2.59	25.47	2.63
	68	59	24.90	2.14	24.26	2.16	23.83	2.21	23.15	2.26	22.51	2.30
	75	65	17.96	1.52	17.50	1.54	17.19	1.58	16.69	1.61	16.23	1.64
	-13	-15	17.11	2.40	16.91	2.45	16.80	2.50	16.33	2.55	15.78	2.60
	-5	-7	20.83	2.94	20.29	2.99	19.79	3.07	19.39	3.12	18.80	3.18
	5	3	25.11	3.47	24.50	3.55	24.00	3.62	23.71	3.69	23.14	3.76
	14	12	29.01	3.64	28.29	3.71	26.52	3.80	26.91	3.87	26.16	3.94
	23	19	30.34	3.74	29.60	3.81	28.34	3.89	28.18	3.97	27.42	4.05
	32	28	32.68	3.64	31.84	3.71	31.16	3.79	30.27	3.87	29.48	3.95
	41	37	34.70	3.52	33.80	3.59	33.11	3.65	32.19	3.73	31.39	3.81
	47	43	36.77	3.29	35.83	3.31	35.19	3.38	34.18	3.44	33.23	3.51
	50	47	33.43	2.95	32.57	2.97	31.99	3.04	31.07	3.10	30.21	3.16
	59	50	30.01	2.61	29.24	2.63	28.72	2.70	27.89	2.76	27.12	2.80
	68	59	26.52	2.28	25.84	2.30	25.38	2.35	24.65	2.40	23.97	2.45
	75	65	19.13	1.62	18.64	1.64	18.31	1.68	17.78	1.71	17.29	1.74

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]
 - Indoor unit fan speed: HIGH
- 2 or more indoor units should be connected.
- The total ability of connected a indoor unit is from 21,000 Btu/h up to 31,000 Btu/h.
- Input in the table are calculated based on the maximum indoor unit input combinations.
- Capacity loss due to white frost and defrost operation is not included.

6-3. Model: WHP36M4A21S

Cooling

- TC: Total Capacity (Gross)
- SHC: Sensible Heat Capacity (Gross)
- IP: Input Power (Including the compressor, evaporator fan motor, and condenser fan motor)

Indoor unit connecting capacity	Outdoor temperature		Indoor temperature																	
			64 °FDB/54 °FWB			70 °FDB/60 °FWB			75 °FDB/63 °FWB			80 °FDB/67 °FWB			85 °FDB/71 °FWB			90 °FDB/73 °FWB		
			TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
kBtu/h	°FDB	°FWB	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
07 + 24	14	12	28.71	24.58	1.87	32.50	24.55	1.91	34.28	27.12	1.91	36.73	27.84	1.93	39.30	28.94	1.95	40.52	32.04	1.97
	23	21	28.19	23.98	2.03	31.89	23.95	2.05	33.65	26.46	2.07	36.06	27.78	2.09	38.58	28.43	2.13	39.78	31.65	2.13
	32	28	27.95	23.77	2.15	31.62	23.74	2.19	33.39	26.28	2.21	35.74	27.53	2.23	38.22	28.20	2.25	39.49	31.35	2.27
	41	37	27.60	23.61	2.39	31.23	23.57	2.43	32.96	26.05	2.45	35.31	27.35	2.48	37.78	27.99	2.50	38.95	31.16	2.52
	50	47	27.84	23.72	2.70	31.52	23.70	2.74	33.26	26.18	2.77	35.63	27.50	2.81	38.12	28.15	2.84	39.31	31.33	2.86
	59	50	29.42	24.50	2.98	33.31	24.47	3.04	35.14	27.04	3.08	37.64	28.39	3.08	40.27	29.71	3.13	41.53	32.34	3.15
	67	53	35.62	27.89	3.63	40.30	27.85	3.69	42.50	30.76	3.72	45.54	32.30	3.76	48.71	33.85	3.82	50.23	36.79	3.84
	77	62	34.53	27.43	4.18	39.07	27.40	4.26	41.20	30.26	4.30	44.15	31.78	4.34	47.22	33.07	4.39	48.69	36.19	4.41
	87	69	33.62	26.98	4.64	38.05	26.94	4.72	40.12	29.77	4.76	43.00	31.26	4.81	46.00	31.98	4.87	47.43	35.60	4.89
	95	75	32.67	25.88	4.83	36.97	25.84	4.93	39.00	28.55	4.97	41.11	29.97	5.01	44.69	30.67	5.07	46.08	34.15	5.10
	104	78	27.71	23.66	4.42	31.38	23.64	4.51	33.10	26.11	4.53	35.46	27.42	4.60	37.94	28.07	4.64	39.12	31.24	4.66
115	80	20.40	20.81	3.82	23.11	20.77	3.88	24.37	22.96	3.92	26.12	24.11	3.97	27.95	24.68	4.01	28.83	27.48	4.03	
09 + 24	14	12	28.71	24.58	1.87	32.50	24.55	1.91	34.28	27.12	1.91	36.73	27.84	1.93	39.30	28.94	1.95	40.52	32.04	1.97
	23	21	28.19	23.98	2.03	31.89	23.95	2.05	33.65	26.46	2.07	36.06	27.78	2.09	38.58	28.43	2.13	39.78	31.65	2.13
	32	28	27.95	23.77	2.15	31.62	23.74	2.19	33.39	26.28	2.21	35.74	27.53	2.23	38.22	28.20	2.25	39.49	31.35	2.27
	41	37	27.60	23.61	2.39	31.23	23.57	2.43	32.96	26.05	2.45	35.31	27.35	2.48	37.78	27.99	2.50	38.95	31.16	2.52
	50	47	27.84	23.72	2.70	31.52	23.70	2.74	33.26	26.18	2.77	35.63	27.50	2.81	38.12	28.15	2.84	39.31	31.33	2.86
	59	50	29.42	24.50	2.98	33.31	24.47	3.04	35.14	27.04	3.08	37.64	28.39	3.08	40.27	29.71	3.13	41.53	32.34	3.15
	67	53	35.62	27.89	3.63	40.30	27.85	3.69	42.50	30.76	3.72	45.54	32.30	3.76	48.71	33.85	3.82	50.23	36.79	3.84
	77	62	34.53	27.43	4.18	39.07	27.40	4.26	41.20	30.26	4.30	44.15	31.78	4.34	47.22	33.07	4.39	48.69	36.19	4.41
	87	69	33.62	26.98	4.64	38.05	26.94	4.72	40.12	29.77	4.76	43.00	31.26	4.81	46.00	31.98	4.87	47.43	35.60	4.89
	95	75	32.67	25.88	4.83	36.97	25.84	4.93	39.00	28.55	4.97	41.11	29.97	5.01	44.69	30.67	5.07	46.08	34.15	5.10
	104	78	27.71	23.66	4.42	31.38	23.64	4.51	33.10	26.11	4.53	35.46	27.42	4.60	37.94	28.07	4.64	39.12	31.24	4.66
115	80	20.40	20.81	3.82	23.11	20.77	3.88	24.37	22.96	3.92	26.12	24.11	3.97	27.95	24.68	4.01	28.83	27.48	4.03	
12 + 18	14	12	25.13	20.17	1.56	28.45	20.15	1.59	30.00	22.26	1.59	32.16	22.85	1.61	34.40	23.75	1.63	35.47	26.29	1.64
	23	21	24.67	19.68	1.69	27.92	19.65	1.71	29.46	21.71	1.73	31.57	22.79	1.74	33.77	23.33	1.78	34.82	25.98	1.78
	32	28	24.47	19.50	1.79	27.68	19.48	1.83	29.22	21.56	1.84	31.28	22.59	1.86	33.46	23.14	1.87	34.57	25.73	1.89
	41	37	24.16	19.37	1.99	27.34	19.35	2.03	28.85	21.38	2.05	30.91	22.45	2.06	33.07	22.97	2.08	34.09	25.57	2.10
	50	47	24.37	19.47	2.25	27.59	19.45	2.29	29.11	21.48	2.31	31.19	22.57	2.35	33.37	23.10	2.37	34.41	25.71	2.39
	59	50	25.75	20.11	2.48	29.16	20.08	2.54	30.76	22.19	2.57	32.95	23.30	2.57	35.25	24.38	2.61	36.35	26.54	2.62
	67	53	31.18	22.89	3.03	35.28	22.86	3.07	37.20	25.24	3.11	39.87	26.50	3.14	42.64	27.78	3.18	43.97	30.19	3.20
	77	62	30.23	22.51	3.48	34.20	22.48	3.55	36.06	24.83	3.59	38.65	26.08	3.62	41.34	27.14	3.66	42.62	29.70	3.67
	87	69	29.43	22.14	3.87	33.31	22.11	3.94	35.12	24.43	3.97	37.64	25.66	4.01	40.26	26.25	4.06	41.52	29.22	4.08
	95	75	28.60	21.23	4.03	32.36	21.21	4.11	34.14	23.43	4.15	35.99	24.60	4.18	39.12	25.17	4.23	40.34	28.02	4.25
	104	78	24.26	19.41	3.69	27.47	19.40	3.76	28.97	21.43	3.78	31.04	22.50	3.83	33.21	23.04	3.87	34.25	25.64	3.89
115	80	17.86	17.07	3.18	20.23	17.05	3.24	21.33	18.84	3.27	22.87	19.79	3.31	24.47	20.26	3.34	25.24	22.55	3.36	
12 + 24	14	12	29.48	24.43	1.91	33.37	24.39	1.95	35.19	26.95	1.95	37.71	27.66	1.97	40.35	28.75	1.99	41.60	31.83	2.01
	23	21	28.94	23.83	2.07	32.74	23.80	2.09	34.55	26.29	2.11	37.02	27.60	2.13	39.61	28.25	2.18	40.84	31.45	2.18
	32	28	28.70	23.62	2.20	32.46	23.59	2.24	34.28	26.11	2.26	36.69	27.35	2.28	39.24	28.02	2.30	40.54	31.15	2.32
	41	37	28.34	23.46	2.44	32.07	23.42	2.49	33.84	25.88	2.51	36.26	27.18	2.53	38.79	27.81	2.55	39.99	30.96	2.57
	50	47	28.58	23.57	2.75	32.36	23.55	2.80	34.15	26.01	2.83	36.58	27.32	2.87	39.14	27.97	2.90	40.36	31.13	2.92
	59	50	30.20	24.35	3.04	34.20	24.31	3.11	36.08	26.87	3.15	38.64	28.21	3.15	41.34	29.52	3.19	42.64	32.13	3.21
	67	53	36.57	27.71	3.71	41.38	27.67	3.77	43.63	30.56	3.80	46.76	32.09	3.84	50.01	33.63	3.90	51.57	36.55	3.92
	77	62	35.45	27.26	4.27	40.12	27.22	4.35	42.30	30.06	4.39	45.33	31.58	4.44	48.49	32.86	4.48	49.99	35.96	4.50
	87	69	34.51	26.80	4.74	39.07	26.77	4.82	41.20	29.58	4.87	44.15	31.06	4.91	47.22	31.78	4.97	48.70	35.37	4.99
	95	75	33.55	25.71	4.94	37.96	25.68	5.04	40.04	28.36	5.08	42.21	29.78	5.12	45.88	30.48	5.18	47.31	33.93	5.21
	104	78	28.45	23.50	4.52	32.22	23.49	4.61	33.98	25.95	4.63	36.40	27.24	4.70	38.96	27.89	4.74	40.17	31.04	4.76
115	80	20.95	20.67	3.90	23.73	20.64	3.97	25.02	22.81	4.01	26.82	23.96	4.05	28.70	24.52	4.09	29.60	27.31	4.12	
18 + 18	14	12	30.67	24.62	1.90	34.72	24.59	1.94	36.61	27.16	1.94	39.24	27.88	1.96	41.98	28.98	1.98	43.29	32.09	2.01
	23	21	30.11	24.02	2.06	34.07	23.98	2.09	35.95	26.50	2.11	38.52	27.82	2.13	41.21	28.47	2.17	42.50	31.70	2.17
	32	28	29.86	23.80	2.19	33.78	23.77	2.23	35.66	26.31	2.25	38.18	27.57	2.27	40.83	28.24	2.29	42.18	31.40	2.31
	41	37	29.49	23.64	2.43	33.37	23.61	2.48	35.20	26.09	2.50	37.72	27.39	2.52	40.36	28.03	2.54	41.60	31.21	2.56
	50	47	29.74	23.76	2.74	33.67	23.74	2.79	35.53	26.22	2.82	38.06	27.54	2.86	40.72	28.19	2.89	42.00	31.37	2.91
	59	50	31.43	24.54	3.03	35.58	24.51	3.10	37.54	27.08	3.14	40.21	28.44	3.14</						

Indoor unit connecting capacity	Outdoor temperature		Indoor temperature																	
			64 °FDB/54 °FWB			70 °FDB/60 °FWB			75 °FDB/63 °FWB			80 °FDB/67 °FWB			85 °FDB/71 °FWB			90 °FDB/73 °FWB		
			TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
kBtu/h	°FDB	°FWB	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW		
07 + 07 + 18	14	12	27.94	22.43	1.73	31.63	22.40	1.77	33.36	24.75	1.77	35.75	25.40	1.79	38.25	26.40	1.81	39.44	29.23	1.83
	23	21	27.43	21.88	1.88	31.04	21.85	1.90	32.75	24.14	1.92	35.10	25.34	1.94	37.55	25.94	1.97	38.72	28.88	1.97
	32	28	27.21	21.69	1.99	30.77	21.66	2.03	32.49	23.98	2.05	34.78	25.12	2.07	37.20	25.73	2.08	38.44	28.61	2.10
	41	37	26.87	21.54	2.22	30.40	21.51	2.26	32.08	23.77	2.28	34.37	24.96	2.29	36.77	25.54	2.31	37.91	28.44	2.33
	50	47	27.10	21.64	2.50	30.68	21.63	2.54	32.37	23.89	2.57	34.68	25.09	2.61	37.10	25.69	2.63	38.26	28.58	2.65
	59	50	28.63	22.36	2.76	32.42	22.33	2.82	34.20	24.68	2.86	36.63	25.91	2.86	39.19	27.11	2.90	40.42	29.51	2.92
	67	53	34.66	25.45	3.37	39.22	25.41	3.42	41.36	28.07	3.45	44.33	29.47	3.49	47.41	30.88	3.54	48.88	33.57	3.56
	77	62	33.61	25.03	3.87	38.03	25.00	3.95	40.10	27.61	3.99	42.97	29.00	4.03	45.96	30.18	4.07	47.39	33.03	4.09
	87	69	32.72	24.61	4.30	37.03	24.58	4.38	39.05	27.16	4.42	41.85	28.53	4.46	44.77	29.18	4.51	46.17	32.48	4.53
	95	75	31.80	23.61	4.48	35.98	23.58	4.57	37.96	26.05	4.61	40.02	27.35	4.65	43.50	27.99	4.71	44.85	31.16	4.72
	104	78	26.97	21.58	4.10	30.54	21.57	4.18	32.21	23.83	4.20	34.51	25.02	4.26	36.93	25.61	4.30	38.08	28.51	4.32
07 + 07 + 24	115	80	19.86	18.98	3.54	22.49	18.95	3.60	23.72	20.95	3.64	25.42	22.00	3.68	27.21	22.52	3.72	28.06	25.08	3.74
	14	12	28.97	23.25	1.79	32.79	23.22	1.83	34.58	25.66	1.83	37.06	26.33	1.85	39.65	27.37	1.87	40.88	30.30	1.89
	23	21	28.44	22.68	1.95	32.18	22.65	1.97	33.95	25.02	1.99	36.38	26.27	2.01	38.92	26.89	2.05	40.14	29.94	2.05
	32	28	28.20	22.48	2.07	31.90	22.45	2.10	33.68	24.85	2.12	36.05	26.04	2.14	38.56	26.67	2.16	39.84	29.65	2.18
	41	37	27.85	22.33	2.30	31.51	22.30	2.34	33.25	24.64	2.36	35.63	25.87	2.38	38.12	26.47	2.40	39.29	29.48	2.42
	50	47	28.09	22.44	2.59	31.80	22.42	2.64	33.55	24.76	2.66	35.95	26.01	2.70	38.46	26.63	2.73	39.66	29.63	2.75
	59	50	29.68	23.18	2.86	33.60	23.14	2.92	35.45	25.58	2.96	37.97	26.86	2.96	40.63	28.10	3.00	41.90	30.58	3.02
	67	53	35.93	26.38	3.49	40.66	26.34	3.54	42.88	29.09	3.58	45.95	30.55	3.61	49.15	32.01	3.67	50.67	34.80	3.69
	77	62	34.84	25.95	4.01	39.42	25.91	4.09	41.57	28.62	4.13	44.54	30.06	4.17	47.64	31.28	4.21	49.12	34.23	4.23
	87	69	33.92	25.52	4.46	38.39	25.48	4.54	40.48	28.16	4.58	43.38	29.57	4.62	46.41	30.25	4.68	47.86	33.67	4.70
	95	75	32.97	24.47	4.65	37.30	24.44	4.74	39.35	27.00	4.78	41.48	28.35	4.82	45.09	29.01	4.88	46.49	32.30	4.90
07 + 09 + 18	104	78	27.96	22.37	4.25	31.66	22.36	4.33	33.39	24.70	4.35	35.77	25.93	4.42	38.28	26.55	4.46	39.47	29.55	4.48
	115	80	20.58	19.68	3.67	23.32	19.65	3.73	24.58	21.71	3.77	26.35	22.81	3.81	28.20	23.34	3.85	29.09	25.99	3.87
	14	12	27.94	22.43	1.73	31.63	22.40	1.77	33.36	24.75	1.77	35.75	25.40	1.79	38.25	26.40	1.81	39.44	29.23	1.83
	23	21	27.43	21.88	1.88	31.04	21.85	1.90	32.75	24.14	1.92	35.10	25.34	1.94	37.55	25.94	1.97	38.72	28.88	1.97
	32	28	27.21	21.69	1.99	30.77	21.66	2.03	32.49	23.98	2.05	34.78	25.12	2.07	37.20	25.73	2.08	38.44	28.61	2.10
	41	37	26.87	21.54	2.22	30.40	21.51	2.26	32.08	23.77	2.28	34.37	24.96	2.29	36.77	25.54	2.31	37.91	28.44	2.33
	50	47	27.10	21.64	2.50	30.68	21.63	2.54	32.37	23.89	2.57	34.68	25.09	2.61	37.10	25.69	2.63	38.26	28.58	2.65
	59	50	28.63	22.36	2.76	32.42	22.33	2.82	34.20	24.68	2.86	36.63	25.91	2.86	39.19	27.11	2.90	40.42	29.51	2.92
	67	53	34.66	25.45	3.37	39.22	25.41	3.42	41.36	28.07	3.45	44.33	29.47	3.49	47.41	30.88	3.54	48.88	33.57	3.56
	77	62	33.61	25.03	3.87	38.03	25.00	3.95	40.10	27.61	3.99	42.97	29.00	4.03	45.96	30.18	4.07	47.39	33.03	4.09
	87	69	32.72	24.61	4.30	37.03	24.58	4.38	39.05	27.16	4.42	41.85	28.53	4.46	44.77	29.18	4.51	46.17	32.48	4.53
07 + 09 + 24	95	75	31.80	23.61	4.48	35.98	23.58	4.57	37.96	26.05	4.61	40.02	27.35	4.65	43.50	27.99	4.71	44.85	31.16	4.72
	104	78	26.97	21.58	4.10	30.54	21.57	4.18	32.21	23.83	4.20	34.51	25.02	4.26	36.93	25.61	4.30	38.08	28.51	4.32
	115	80	19.86	18.98	3.54	22.49	18.95	3.60	23.72	20.95	3.64	25.42	22.00	3.68	27.21	22.52	3.72	28.06	25.08	3.74
	14	12	28.97	23.25	1.79	32.79	23.22	1.83	34.58	25.66	1.83	37.06	26.33	1.85	39.65	27.37	1.87	40.88	30.30	1.89
	23	21	28.44	22.68	1.95	32.18	22.65	1.97	33.95	25.02	1.99	36.38	26.27	2.01	38.92	26.89	2.05	40.14	29.94	2.05
	32	28	28.20	22.48	2.07	31.90	22.45	2.10	33.68	24.85	2.12	36.05	26.04	2.14	38.56	26.67	2.16	39.84	29.65	2.18
	41	37	27.85	22.33	2.30	31.51	22.30	2.34	33.25	24.64	2.36	35.63	25.87	2.38	38.12	26.47	2.40	39.29	29.48	2.42
	50	47	28.09	22.44	2.59	31.80	22.42	2.64	33.55	24.76	2.66	35.95	26.01	2.70	38.46	26.63	2.73	39.66	29.63	2.75
	59	50	29.68	23.18	2.86	33.60	23.14	2.92	35.45	25.58	2.96	37.97	26.86	2.96	40.63	28.10	3.00	41.90	30.58	3.02
	67	53	35.93	26.38	3.49	40.66	26.34	3.54	42.88	29.09	3.58	45.95	30.55	3.61	49.15	32.01	3.67	50.67	34.80	3.69
	77	62	34.84	25.95	4.01	39.42	25.91	4.09	41.57	28.62	4.13	44.54	30.06	4.17	47.64	31.28	4.21	49.12	34.23	4.23
07 + 12 + 12	87	69	33.92	25.52	4.46	38.39	25.48	4.54	40.48	28.16	4.58	43.38	29.57	4.62	46.41	30.25	4.68	47.86	33.67	4.70
	95	75	32.97	24.47	4.65	37.30	24.44	4.74	39.35	27.00	4.78	41.48	28.35	4.82	45.09	29.01	4.88	46.49	32.30	4.90
	104	78	27.96	22.37	4.25	31.66	22.36	4.33	33.39	24.70	4.35	35.77	25.93	4.42	38.28	26.55	4.46	39.47	29.55	4.48
	115	80	20.58	19.68	3.67	23.32	19.65	3.73	24.58	21.71	3.77	26.35	22.81	3.81	28.20	23.34	3.85	29.09	25.99	3.87
	14	12	27.43	22.02	1.70	31.05	21.99	1.74	32.75	24.30	1.74	35.10	24.94	1.76	37.55	25.92	1.78	38.72	28.70	1.79
	23	21	26.93	21.48	1.85	30.47	21.45	1.87	32.15	23.70	1.88	34.45	24.88	1.90	36.86	25.46	1.94	38.01	28.35	1.94
	32	28	26.71	21.29	1.96	30.21	21.26	1.99	31.90	23.54	2.01	34.15	24.66	2.03	36.52	25.26	2.05	37.73	28.08	2.

Indoor unit connecting capacity	Outdoor temperature		Indoor temperature																	
			64 °FDB/54 °FWB			70 °FDB/60 °FWB			75 °FDB/63 °FWB			80 °FDB/67 °FWB			85 °FDB/71 °FWB			90 °FDB/73 °FWB		
			TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
kBtu/h	°FDB	°FWB	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW		
07 + 18 + 18	14	12	30.24	24.28	1.95	34.23	24.25	2.00	36.11	26.79	2.00	38.70	27.50	2.02	41.40	28.58	2.04	42.68	31.64	2.06
	23	21	29.69	23.68	2.13	33.60	23.65	2.15	35.45	26.13	2.17	37.99	27.43	2.19	40.64	28.07	2.23	41.91	31.26	2.23
	32	28	29.45	23.47	2.25	33.31	23.44	2.29	35.17	25.95	2.31	37.65	27.19	2.33	40.26	27.85	2.35	41.60	30.96	2.37
	41	37	29.08	23.31	2.50	32.90	23.28	2.55	34.72	25.73	2.57	37.20	27.01	2.59	39.80	27.64	2.61	41.03	30.78	2.64
	50	47	29.33	23.43	2.82	33.21	23.41	2.87	35.03	25.85	2.90	37.54	27.16	2.95	40.15	27.80	2.97	41.41	30.94	3.00
	59	50	30.99	24.20	3.12	35.08	24.17	3.19	37.01	26.71	3.23	39.65	28.04	3.23	42.42	29.34	3.27	43.75	31.93	3.30
	67	53	37.52	27.54	3.80	42.45	27.51	3.86	44.77	30.38	3.90	47.97	31.89	3.94	51.31	33.43	4.00	52.91	36.33	4.02
	77	62	36.37	27.09	4.37	41.16	27.06	4.46	43.40	29.88	4.50	46.51	31.38	4.55	49.75	32.66	4.59	51.29	35.74	4.61
	87	69	35.41	26.64	4.86	40.08	26.61	4.94	42.27	29.40	4.99	45.30	30.87	5.03	48.45	31.59	5.10	49.97	35.16	5.12
	95	75	34.42	25.55	5.06	38.95	25.52	5.17	41.09	28.19	5.21	43.31	29.60	5.25	47.08	30.29	5.32	48.54	33.72	5.34
	104	78	29.19	23.36	4.63	33.05	23.35	4.72	34.87	25.79	4.75	37.35	27.08	4.81	39.97	27.72	4.86	41.21	30.86	4.88
09 + 09 + 12	115	80	21.49	20.55	4.00	24.34	20.51	4.07	25.67	22.67	4.11	27.52	23.81	4.15	29.45	24.37	4.20	30.37	27.14	4.22
	14	12	25.56	20.52	1.58	28.93	20.49	1.62	30.51	22.64	1.62	32.70	23.24	1.64	34.98	24.15	1.65	36.07	26.74	1.67
	23	21	25.09	20.01	1.72	28.39	19.99	1.74	29.96	22.08	1.75	32.10	23.18	1.77	34.34	23.72	1.81	35.41	26.42	1.81
	32	28	24.88	19.84	1.82	28.15	19.81	1.86	29.72	21.93	1.87	31.81	22.98	1.89	34.02	23.54	1.91	35.15	26.16	1.92
	41	37	24.57	19.70	2.03	27.81	19.67	2.06	29.34	21.74	2.08	31.44	22.83	2.10	33.63	23.36	2.12	34.67	26.01	2.13
	50	47	24.78	19.80	2.29	28.06	19.78	2.33	29.61	21.85	2.35	31.72	22.95	2.39	33.93	23.49	2.41	35.00	26.14	2.43
	59	50	26.19	20.45	2.53	29.65	20.42	2.58	31.28	22.57	2.62	33.51	23.70	2.62	35.85	24.80	2.65	36.97	26.99	2.67
	67	53	31.71	23.27	3.08	35.88	23.25	3.13	37.83	25.67	3.16	40.54	26.95	3.19	43.36	28.25	3.24	44.71	30.70	3.25
	77	62	30.74	22.89	3.54	34.78	22.87	3.61	36.68	25.25	3.65	39.30	26.52	3.68	42.04	27.60	3.72	43.34	30.21	3.74
	87	69	29.93	22.51	3.93	33.87	22.48	4.00	35.72	24.85	4.04	38.28	26.09	4.07	40.95	26.69	4.13	42.23	29.71	4.15
	95	75	29.09	21.59	4.10	32.91	21.57	4.18	34.72	23.82	4.22	36.60	25.01	4.25	39.78	25.60	4.30	41.02	28.50	4.32
09 + 09 + 24	104	78	24.67	19.74	3.75	27.93	19.73	3.82	29.46	21.79	3.84	31.56	22.88	3.90	33.78	23.43	3.94	34.83	26.08	3.95
	115	80	18.16	17.36	3.24	20.57	17.34	3.29	21.69	19.16	3.33	23.25	20.12	3.36	24.88	20.60	3.40	25.66	22.94	3.42
	14	12	28.97	23.25	1.79	32.79	23.22	1.83	34.58	25.66	1.83	37.06	26.33	1.85	39.65	27.37	1.87	40.88	30.30	1.89
	23	21	28.44	22.68	1.95	32.18	22.65	1.97	33.95	25.02	1.99	36.38	26.27	2.01	38.92	26.89	2.05	40.14	29.94	2.05
	32	28	28.20	22.48	2.07	31.90	22.45	2.10	33.68	24.85	2.12	36.05	26.04	2.14	38.56	26.67	2.16	39.84	29.65	2.18
	41	37	27.85	22.33	2.30	31.51	22.30	2.34	33.25	24.64	2.36	35.63	25.87	2.38	38.12	26.47	2.40	39.29	29.48	2.42
	50	47	28.09	22.44	2.59	31.80	22.42	2.64	33.55	24.76	2.66	35.95	26.01	2.70	38.46	26.63	2.73	39.66	29.63	2.75
	59	50	29.68	23.18	2.86	33.60	23.14	2.92	35.45	25.58	2.96	37.97	26.86	2.96	40.63	28.10	3.00	41.90	30.58	3.02
	67	53	35.93	26.38	3.49	40.66	26.34	3.54	42.88	29.09	3.58	45.95	30.55	3.61	49.15	32.01	3.67	50.67	34.80	3.69
	77	62	34.84	25.95	4.01	39.42	25.91	4.09	41.57	28.62	4.13	44.54	30.06	4.17	47.64	31.28	4.21	49.12	34.23	4.23
	87	69	33.92	25.52	4.46	38.39	25.48	4.54	40.48	28.16	4.58	43.38	29.57	4.62	46.41	30.25	4.68	47.86	33.67	4.70
09 + 09 + 18	95	75	32.97	24.47	4.65	37.30	24.44	4.74	39.35	27.00	4.78	41.48	28.35	4.82	45.09	29.01	4.88	46.49	32.30	4.90
	104	78	27.96	22.37	4.25	31.66	22.36	4.33	33.39	24.70	4.35	35.77	25.93	4.42	38.28	26.55	4.46	39.47	29.55	4.48
	115	80	20.58	19.68	3.67	23.32	19.65	3.73	24.58	21.71	3.77	26.35	22.81	3.81	28.20	23.34	3.85	29.09	25.99	3.87
	14	12	27.94	22.43	1.73	31.63	22.40	1.77	33.36	24.75	1.77	35.75	25.40	1.79	38.25	26.40	1.81	39.44	29.23	1.83
	23	21	27.43	21.88	1.88	31.04	21.85	1.90	32.75	24.14	1.92	35.10	25.34	1.94	37.55	25.94	1.97	38.72	28.88	1.97
	32	28	27.21	21.69	1.99	30.77	21.66	2.03	32.49	23.98	2.05	34.78	25.12	2.07	37.20	25.73	2.08	38.44	28.61	2.10
	41	37	26.87	21.54	2.22	30.40	21.51	2.26	32.08	23.77	2.28	34.37	24.96	2.29	36.77	25.54	2.31	37.91	28.44	2.33
	50	47	27.10	21.64	2.50	30.68	21.63	2.54	32.37	23.89	2.57	34.68	25.09	2.61	37.10	25.69	2.63	38.26	28.58	2.65
	59	50	28.63	22.36	2.76	32.42	22.33	2.82	34.20	24.68	2.86	36.63	25.91	2.86	39.19	27.11	2.90	40.42	29.51	2.92
	67	53	34.66	25.45	3.37	39.22	25.41	3.42	41.36	28.07	3.45	44.33	29.47	3.49	47.41	30.88	3.54	48.88	33.57	3.56
	77	62	33.61	25.03	3.87	38.03	25.00	3.95	40.10	27.61	3.99	42.97	29.00	4.03	45.96	30.18	4.07	47.39	33.03	4.09
09 + 12 + 12	87	69	32.72	24.61	4.30	37.03	24.58	4.38	39.05	27.16	4.42	41.85	28.53	4.46	44.77	29.18	4.51	46.17	32.48	4.53
	95	75	31.80	23.61	4.48	35.98	23.58	4.57	37.96	26.05	4.61	40.02	27.35	4.65	43.50	27.99	4.71	44.85	31.16	4.72
	104	78	26.97	21.58	4.10	30.54	21.57	4.18	32.21	23.83	4.20	34.51	25.02	4.26	36.93	25.61	4.30	38.08	28.51	4.32
	115	80	19.86	18.98	3.54	22.49	18.95	3.60	23.72	20.95	3.64	25.42	22.00	3.68	27.21	22.52	3.72	28.06	25.08	3.74
	14	12	27.43	22.02	1.70	31.05	21.99	1.74	32.75	24.30	1.74	35.10	24.94	1.76	37.55	25.92	1.78	38.72	28.70	1.79
	23	21	26.93	21.48	1.85	30.47	21.45	1.87	32.15	23.70	1.88	34.45	24.88	1.90	36.86	25.46	1.94	38.01	28.35	1.94
	32	28	26.71	21.29	1.96	30.21	21.26	1.99	31.90	23.54	2.01	34.15	24.66	2.03	36.52	25.26	2.05	37.73		

Indoor unit connecting capacity	Outdoor temperature		Indoor temperature																	
			64 °FDB/54 °FWB			70 °FDB/60 °FWB			75 °FDB/63 °FWB			80 °FDB/67 °FWB			85 °FDB/71 °FWB			90 °FDB/73 °FWB		
			TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
kBtu/h	°FDB	°FWB	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW		
09 + 18 + 18	14	12	30.24	24.28	1.95	34.23	24.25	2.00	36.11	26.79	2.00	38.70	27.50	2.02	41.40	28.58	2.04	42.68	31.64	2.06
	23	21	29.69	23.68	2.13	33.60	23.65	2.15	35.45	26.13	2.17	37.99	27.43	2.19	40.64	28.07	2.23	41.91	31.26	2.23
	32	28	29.45	23.47	2.25	33.31	23.44	2.29	35.17	25.95	2.31	37.65	27.19	2.33	40.26	27.85	2.35	41.60	30.96	2.37
	41	37	29.08	23.31	2.50	32.90	23.28	2.55	34.72	25.73	2.57	37.20	27.01	2.59	39.80	27.64	2.61	41.03	30.78	2.64
	50	47	29.33	23.43	2.82	33.21	23.41	2.87	35.03	25.85	2.90	37.54	27.16	2.95	40.15	27.80	2.97	41.41	30.94	3.00
	59	50	30.99	24.20	3.12	35.08	24.17	3.19	37.01	26.71	3.23	39.65	28.04	3.23	42.42	29.34	3.27	43.75	31.93	3.30
	67	53	37.52	27.54	3.80	42.45	27.51	3.86	44.77	30.38	3.90	47.97	31.89	3.94	51.31	33.43	4.00	52.91	36.33	4.02
	77	62	36.37	27.09	4.37	41.16	27.06	4.46	43.40	29.88	4.50	46.51	31.38	4.55	49.75	32.66	4.59	51.29	35.74	4.61
	87	69	35.41	26.64	4.86	40.08	26.61	4.94	42.27	29.40	4.99	45.30	30.87	5.03	48.45	31.59	5.10	49.97	35.16	5.12
	95	75	34.42	25.55	5.06	38.95	25.52	5.17	41.09	28.19	5.21	43.31	29.60	5.25	47.08	30.29	5.32	48.54	33.72	5.34
	104	78	29.19	23.36	4.63	33.05	23.35	4.72	34.87	25.79	4.75	37.35	27.08	4.81	39.97	27.72	4.86	41.21	30.86	4.88
12 + 12 + 12	115	80	21.49	20.55	4.00	24.34	20.51	4.07	25.67	22.67	4.11	27.52	23.81	4.15	29.45	24.37	4.20	30.37	27.14	4.22
	14	12	27.94	22.43	1.73	31.63	22.40	1.77	33.36	24.75	1.77	35.75	25.40	1.79	38.25	26.40	1.81	39.44	29.23	1.83
	23	21	27.43	21.88	1.88	31.04	21.85	1.90	32.75	24.14	1.92	35.10	25.34	1.94	37.55	25.94	1.97	38.72	28.88	1.97
	32	28	27.21	21.69	1.99	30.77	21.66	2.03	32.49	23.98	2.05	34.78	25.12	2.07	37.20	25.73	2.08	38.44	28.61	2.10
	41	37	26.87	21.54	2.22	30.40	21.51	2.26	32.08	23.77	2.28	34.37	24.96	2.29	36.77	25.54	2.31	37.91	28.44	2.33
	50	47	27.10	21.64	2.50	30.68	21.63	2.54	32.37	23.89	2.57	34.68	25.09	2.61	37.10	25.69	2.63	38.26	28.58	2.65
	59	50	28.63	22.36	2.76	32.42	22.33	2.82	34.20	24.68	2.86	36.63	25.91	2.86	39.19	27.11	2.90	40.42	29.51	2.92
	67	53	34.66	25.45	3.37	39.22	25.41	3.42	41.36	28.07	3.45	44.33	29.47	3.49	47.41	30.88	3.54	48.88	33.57	3.56
	77	62	33.61	25.03	3.87	38.03	25.00	3.95	40.10	27.61	3.99	42.97	29.00	4.03	45.96	30.18	4.07	47.39	33.03	4.09
	87	69	32.72	24.61	4.30	37.03	24.58	4.38	39.05	27.16	4.42	41.85	28.53	4.46	44.77	29.18	4.51	46.17	32.48	4.53
	95	75	31.80	23.61	4.48	35.98	23.58	4.57	37.96	26.05	4.61	40.02	27.35	4.65	43.50	27.99	4.71	44.85	31.16	4.72
12 + 12 + 18	104	78	26.97	21.58	4.10	30.54	21.57	4.18	32.21	23.83	4.20	34.51	25.02	4.26	36.93	25.61	4.30	38.08	28.51	4.32
	115	80	19.86	18.98	3.54	22.49	18.95	3.60	23.72	20.95	3.64	25.42	22.00	3.68	27.21	22.52	3.72	28.06	25.08	3.74
	14	12	28.97	23.25	1.79	32.79	23.22	1.83	34.58	25.66	1.83	37.06	26.33	1.85	39.65	27.37	1.87	40.88	30.30	1.89
	23	21	28.44	22.68	1.95	32.18	22.65	1.97	33.95	25.02	1.99	36.38	26.27	2.01	38.92	26.89	2.05	40.14	29.94	2.05
	32	28	28.20	22.48	2.07	31.90	22.45	2.10	33.68	24.85	2.12	36.05	26.04	2.14	38.56	26.67	2.16	39.84	29.65	2.18
	41	37	27.85	22.33	2.30	31.51	22.30	2.34	33.25	24.64	2.36	35.63	25.87	2.38	38.12	26.47	2.40	39.29	29.48	2.42
	50	47	28.09	22.44	2.59	31.80	22.42	2.64	33.55	24.76	2.66	35.95	26.01	2.70	38.46	26.63	2.73	39.66	29.63	2.75
	59	50	29.68	23.18	2.86	33.60	23.14	2.92	35.45	25.58	2.96	37.97	26.86	2.96	40.63	28.10	3.00	41.90	30.58	3.02
	67	53	35.93	26.38	3.49	40.66	26.34	3.54	42.88	29.09	3.58	45.95	30.55	3.61	49.15	32.01	3.67	50.67	34.80	3.69
	77	62	34.84	25.95	4.01	39.42	25.91	4.09	41.57	28.62	4.13	44.54	30.06	4.17	47.64	31.28	4.21	49.12	34.23	4.23
	87	69	33.92	25.52	4.46	38.39	25.48	4.54	40.48	28.16	4.58	43.38	29.57	4.62	46.41	30.25	4.68	47.86	33.67	4.70
07 + 07 + 07 + 09	95	75	32.97	24.47	4.65	37.30	24.44	4.74	39.35	27.00	4.78	41.48	28.35	4.82	45.09	29.01	4.88	46.49	32.30	4.90
	104	78	27.96	22.37	4.25	31.66	22.36	4.33	33.39	24.70	4.35	35.77	25.93	4.42	38.28	26.55	4.46	39.47	29.55	4.48
	115	80	20.58	19.68	3.67	23.32	19.65	3.73	24.58	21.71	3.77	26.35	22.81	3.81	28.20	23.34	3.85	29.09	25.99	3.87
	14	12	27.94	22.43	1.73	31.63	22.40	1.77	33.36	24.75	1.77	35.75	25.40	1.79	38.25	26.40	1.81	39.44	29.23	1.83
	23	21	27.43	21.88	1.88	31.04	21.85	1.90	32.75	24.14	1.92	35.10	25.34	1.94	37.55	25.94	1.97	38.72	28.88	1.97
	32	28	27.21	21.69	1.99	30.77	21.66	2.03	32.49	23.98	2.05	34.78	25.12	2.07	37.20	25.73	2.08	38.44	28.61	2.10
	41	37	26.87	21.54	2.22	30.40	21.51	2.26	32.08	23.77	2.28	34.37	24.96	2.29	36.77	25.54	2.31	37.91	28.44	2.33
	50	47	27.10	21.64	2.50	30.68	21.63	2.54	32.37	23.89	2.57	34.68	25.09	2.61	37.10	25.69	2.63	38.26	28.58	2.65
	59	50	28.63	22.36	2.76	32.42	22.33	2.82	34.20	24.68	2.86	36.63	25.91	2.86	39.19	27.11	2.90	40.42	29.51	2.92
	67	53	34.66	25.45	3.37	39.22	25.41	3.42	41.36	28.07	3.45	44.33	29.47	3.49	47.41	30.88	3.54	48.88	33.57	3.56
	77	62	33.61	25.03	3.87	38.03	25.00	3.95	40.10	27.61	3.99	42.97	29.00	4.03	45.96	30.18	4.07	47.39	33.03	4.09
07 + 07 + 07 + 12	87	69	32.72	24.61	4.30	37.03	24.58	4.38	39.05	27.16	4.42	41.85	28.53	4.46	44.77	29.18	4.51	46.17	32.48	4.53
	95	75	31.80	23.61	4.48	35.98	23.58	4.57	37.96	26.05	4.61	40.02	27.35	4.65	43.50	27.99	4.71	44.85	31.16	4.72
	104	78	26.97	21.58	4.10	30.54	21.57	4.18	32.21	23.83	4.20	34.51	25.02	4.26	36.93	25.61	4.30	38.08	28.51	4.32
	115	80	19.86	18.98	3.54	22.49	18.95	3.60	23.72	20.95	3.64	25.42	22.00	3.68	27.21	22.52	3.72	28.06	25.08	3.74
	14	12	28.54	22.91	1.77	32.30	22.88	1.81	34.07	25.28	1.81	36.52	25.95	1.83	39.07	26.97	1.85	40.28	29.86	1.87
	23	21	28.02	22.35	1.92	31.70	22.32	1.94	33.45	24.66	1.96	35.85	25.89	1.98	38.35	26.49	2.02	39.55	29.50	2.02
	32	28	27.79	22.15	2.04	31.43	22.12	2.07	33.19	24.49	2.09	35.52	25.66	2.11	37.99	26.28	2.13	39.2		

Indoor unit connecting capacity	Outdoor temperature		Indoor temperature																	
			64 °FDB/54 °FWB			70 °FDB/60 °FWB			75 °FDB/63 °FWB			80 °FDB/67 °FWB			85 °FDB/71 °FWB			90 °FDB/73 °FWB		
			TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
kBtu/h	°FDB	°FWB	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
18 + 24	14	12	27.94	22.43	1.73	31.63	22.40	1.77	33.36	24.75	1.77	35.75	25.40	1.79	38.25	26.40	1.81	39.44	29.23	1.83
	23	21	27.43	21.88	1.88	31.04	21.85	1.90	32.75	24.14	1.92	35.10	25.34	1.94	37.55	25.94	1.97	38.72	28.88	1.97
	32	28	27.21	21.69	1.99	30.77	21.66	2.03	32.49	23.98	2.05	34.78	25.12	2.07	37.20	25.73	2.08	38.44	28.61	2.10
	41	37	26.87	21.54	2.22	30.40	21.51	2.26	32.08	23.77	2.28	34.37	24.96	2.29	36.77	25.54	2.31	37.91	28.44	2.33
	50	47	27.10	21.64	2.50	30.68	21.63	2.54	32.37	23.89	2.57	34.68	25.09	2.61	37.10	25.69	2.63	38.26	28.58	2.65
	59	50	28.63	22.36	2.76	32.42	22.33	2.82	34.20	24.68	2.86	36.63	25.91	2.86	39.19	27.11	2.90	40.42	29.51	2.92
	67	53	34.66	25.45	3.37	39.22	25.41	3.42	41.36	28.07	3.45	44.33	29.47	3.49	47.41	30.88	3.54	48.88	33.57	3.56
	77	62	33.61	25.03	3.87	38.03	25.00	3.95	40.10	27.61	3.99	42.97	29.00	4.03	45.96	30.18	4.07	47.39	33.03	4.09
	87	69	32.72	24.61	4.30	37.03	24.58	4.38	39.05	27.16	4.42	41.85	28.53	4.46	44.77	29.18	4.51	46.17	32.48	4.53
	95	75	31.80	23.61	4.48	35.98	23.58	4.57	37.96	26.05	4.61	40.02	27.35	4.65	43.50	27.99	4.71	44.85	31.16	4.72
	104	78	26.97	21.58	4.10	30.54	21.57	4.18	32.21	23.83	4.20	34.51	25.02	4.26	36.93	25.61	4.30	38.08	28.51	4.32
07 + 07 + 09 + 09	115	80	19.86	18.98	3.54	22.49	18.95	3.60	23.72	20.95	3.64	25.42	22.00	3.68	27.21	22.52	3.72	28.06	25.08	3.74
	14	12	28.54	22.91	1.77	32.30	22.88	1.81	34.07	25.28	1.81	36.52	25.95	1.83	39.07	26.97	1.85	40.28	29.86	1.87
	23	21	28.02	22.35	1.92	31.70	22.32	1.94	33.45	24.66	1.96	35.85	25.89	1.98	38.35	26.49	2.02	39.55	29.50	2.02
	32	28	27.79	22.15	2.04	31.43	22.12	2.07	33.19	24.49	2.09	35.52	25.66	2.11	37.99	26.28	2.13	39.26	29.22	2.15
	41	37	27.44	22.00	2.26	31.05	21.97	2.30	32.76	24.28	2.32	35.10	25.49	2.34	37.56	26.08	2.36	38.71	29.04	2.38
	50	47	27.68	22.11	2.55	31.33	22.09	2.60	33.06	24.40	2.62	35.42	25.63	2.66	37.89	26.23	2.69	39.08	29.19	2.71
	59	50	29.24	22.83	2.82	33.11	22.80	2.88	34.93	25.20	2.92	37.42	26.46	2.92	40.03	27.69	2.96	41.28	30.14	2.98
	67	53	35.40	25.99	3.44	40.06	25.96	3.49	42.25	28.67	3.53	45.27	30.10	3.56	48.42	31.54	3.61	49.93	34.28	3.63
	77	62	34.32	25.56	3.95	38.84	25.53	4.03	40.95	28.20	4.07	43.89	29.62	4.11	46.94	30.82	4.15	48.40	33.73	4.17
	87	69	33.42	25.14	4.39	37.82	25.11	4.47	39.89	27.74	4.51	42.75	29.13	4.55	45.72	29.81	4.61	47.15	33.18	4.63
	95	75	32.48	24.11	4.58	36.75	24.08	4.67	38.77	26.60	4.71	40.87	27.93	4.75	44.42	28.59	4.81	45.81	31.82	4.82
07 + 07 + 09 + 18	104	78	27.55	22.05	4.19	31.19	22.03	4.27	32.90	24.34	4.29	35.25	25.55	4.35	37.72	26.16	4.39	38.89	29.12	4.42
	115	80	20.28	19.39	3.62	22.97	19.36	3.68	24.22	21.39	3.72	25.97	22.47	3.76	27.79	23.00	3.79	28.66	25.61	3.81
	14	12	29.48	23.66	1.83	33.37	23.63	1.87	35.19	26.11	1.87	37.71	26.80	1.89	40.35	27.85	1.91	41.60	30.84	1.93
	23	21	28.94	23.08	1.98	32.74	23.05	2.00	34.55	25.47	2.02	37.02	26.74	2.04	39.61	27.36	2.08	40.84	30.47	2.08
	32	28	28.70	22.88	2.10	32.46	22.85	2.14	34.28	25.29	2.16	36.69	26.50	2.18	39.24	27.14	2.20	40.54	30.18	2.22
	41	37	28.34	22.72	2.34	32.07	22.69	2.38	33.84	25.07	2.40	36.26	26.33	2.42	38.79	26.94	2.44	39.99	30.00	2.46
	50	47	28.58	22.83	2.64	32.36	22.82	2.68	34.15	25.20	2.71	36.58	26.47	2.75	39.14	27.10	2.77	40.36	30.15	2.80
	59	50	30.20	23.58	2.91	34.20	23.55	2.98	36.08	26.03	3.02	38.64	27.33	3.02	41.34	28.60	3.06	42.64	31.12	3.08
	67	53	36.57	26.84	3.55	41.38	26.81	3.61	43.63	29.61	3.64	46.76	31.09	3.68	50.01	32.58	3.73	51.57	35.41	3.75
	77	62	35.45	26.40	4.08	40.12	26.37	4.17	42.30	29.12	4.21	45.33	30.59	4.25	48.49	31.83	4.29	49.99	34.84	4.31
	87	69	34.51	25.97	4.54	39.07	25.93	4.62	41.20	28.66	4.66	44.15	30.09	4.70	47.22	30.78	4.76	48.70	34.27	4.78
07 + 07 + 12 + 12	95	75	33.55	24.91	4.73	37.96	24.88	4.83	40.04	27.48	4.87	42.21	28.85	4.90	45.88	29.53	4.96	47.31	32.87	4.98
	104	78	28.45	22.77	4.32	32.22	22.75	4.41	33.98	25.14	4.43	36.40	26.39	4.50	38.96	27.02	4.54	40.17	30.07	4.56
	115	80	20.95	20.03	3.73	23.73	19.99	3.80	25.02	22.10	3.84	26.82	23.21	3.88	28.70	23.76	3.92	29.60	26.45	3.94
	14	12	28.97	23.25	1.79	32.79	23.22	1.83	34.58	25.66	1.83	37.06	26.33	1.85	39.65	27.37	1.87	40.88	30.30	1.89
	23	21	28.44	22.68	1.95	32.18	22.65	1.97	33.95	25.02	1.99	36.38	26.27	2.01	38.92	26.89	2.05	40.14	29.94	2.05
	32	28	28.20	22.48	2.07	31.90	22.45	2.10	33.68	24.85	2.12	36.05	26.04	2.14	38.56	26.67	2.16	39.84	29.65	2.18
	41	37	27.85	22.33	2.30	31.51	22.30	2.34	33.25	24.64	2.36	35.63	25.87	2.38	38.12	26.47	2.40	39.29	29.48	2.42
	50	47	28.09	22.44	2.59	31.80	22.42	2.64	33.55	24.76	2.66	35.95	26.01	2.70	38.46	26.63	2.73	39.66	29.63	2.75
	59	50	29.68	23.18	2.86	33.60	23.14	2.92	35.45	25.58	2.96	37.97	26.86	2.96	40.63	28.10	3.00	41.90	30.58	3.02
	67	53	35.93	26.38	3.49	40.66	26.34	3.54	42.88	29.09	3.58	45.95	30.55	3.61	49.15	32.01	3.67	50.67	34.80	3.69
	77	62	34.84	25.95	4.01	39.42	25.91	4.09	41.57	28.62	4.13	44.54	30.06	4.17	47.64	31.28	4.21	49.12	34.23	4.23
07 + 09 + 09 + 09	87	69	33.92	25.52	4.46	38.39	25.48	4.54	40.48	28.16	4.58	43.38	29.57	4.62	46.41	30.25	4.68	47.86	33.67	4.70
	95	75	32.97	24.47	4.65	37.30	24.44	4.74	39.35	27.00	4.78	41.48	28.35	4.82	45.09	29.01	4.88	46.49	32.30	4.90
	104	78	27.96	22.37	4.25	31.66	22.36	4.33	33.39	24.70	4.35	35.77	25.93	4.42	38.28	26.55	4.46	39.47	29.55	4.48
	115	80	20.58	19.68	3.67	23.32	19.65	3.73	24.58	21.71	3.77	26.35	22.81	3.81	28.20	23.34	3.85	29.09	25.99	3.87
	14	12	27.94	22.43	1.73	31.63	22.40	1.77	33.36	24.75	1.77	35.75	25.40	1.79	38.25	26.40	1.81	39.44	29.23	1.83
	23	21	27.43	21.88	1.88	31.04	21.85	1.90	32.75	24.14	1.92	35.10	25.34	1.94	37.55	25.94	1.97	38.72	28.88	1.97
	32	28	27.21	21.69	1.99	30.77	21.66	2.03	32.49	23.98	2.05	34.78	25.12	2.07	37.20					

Indoor unit connecting capacity	Outdoor temperature		Indoor temperature																	
			64 °FDB/54 °FWB			70 °FDB/60 °FWB			75 °FDB/63 °FWB			80 °FDB/67 °FWB			85 °FDB/71 °FWB			90 °FDB/73 °FWB		
			TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
kBtu/h	°FDB	°FWB	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
07 + 09 + 12 + 12	14	12	28.97	23.25	1.79	32.79	23.22	1.83	34.58	25.66	1.83	37.06	26.33	1.85	39.65	27.37	1.87	40.88	30.30	1.89
	23	21	28.44	22.68	1.95	32.18	22.65	1.97	33.95	25.02	1.99	36.38	26.27	2.01	38.92	26.89	2.05	40.14	29.94	2.05
	32	28	28.20	22.48	2.07	31.90	22.45	2.10	33.68	24.85	2.12	36.05	26.04	2.14	38.56	26.67	2.16	39.84	29.65	2.18
	41	37	27.85	22.33	2.30	31.51	22.30	2.34	33.25	24.64	2.36	35.63	25.87	2.38	38.12	26.47	2.40	39.29	29.48	2.42
	50	47	28.09	22.44	2.59	31.80	22.42	2.64	33.55	24.76	2.66	35.95	26.01	2.70	38.46	26.63	2.73	39.66	29.63	2.75
	59	50	29.68	23.18	2.86	33.60	23.14	2.92	35.45	25.58	2.96	37.97	26.86	2.96	40.63	28.10	3.00	41.90	30.58	3.02
	67	53	35.93	26.38	3.49	40.66	26.34	3.54	42.88	29.09	3.58	45.95	30.55	3.61	49.15	32.01	3.67	50.67	34.80	3.69
	77	62	34.84	25.95	4.01	39.42	25.91	4.09	41.57	28.62	4.13	44.54	30.06	4.17	47.64	31.28	4.21	49.12	34.23	4.23
	87	69	33.92	25.52	4.46	38.39	25.48	4.54	40.48	28.16	4.58	43.38	29.57	4.62	46.41	30.25	4.68	47.86	33.67	4.70
	95	75	32.97	24.47	4.65	37.30	24.44	4.74	39.35	27.00	4.78	41.48	28.35	4.82	45.09	29.01	4.88	46.49	32.30	4.90
	104	78	27.96	22.37	4.25	31.66	22.36	4.33	33.39	24.70	4.35	35.77	25.93	4.42	38.28	26.55	4.46	39.47	29.55	4.48
07 + 09 + 12 + 18	115	80	20.58	19.68	3.67	23.32	19.65	3.73	24.58	21.71	3.77	26.35	22.81	3.81	28.20	23.34	3.85	29.09	25.99	3.87
	14	12	29.99	24.07	1.86	33.94	24.04	1.90	35.80	26.56	1.90	38.37	27.26	1.92	41.05	28.34	1.94	42.32	31.37	1.96
	23	21	29.44	23.48	2.02	33.31	23.45	2.04	35.15	25.91	2.06	37.66	27.20	2.08	40.29	27.84	2.12	41.55	30.99	2.12
	32	28	29.20	23.27	2.14	33.03	23.24	2.18	34.87	25.73	2.20	37.33	26.96	2.22	39.92	27.62	2.24	41.25	30.70	2.26
	41	37	28.83	23.12	2.38	32.63	23.08	2.42	34.42	25.51	2.44	36.89	26.78	2.46	39.46	27.41	2.48	40.68	30.52	2.50
	50	47	29.08	23.23	2.68	32.92	23.21	2.73	34.74	25.64	2.75	37.22	26.93	2.80	39.81	27.57	2.82	41.06	30.68	2.85
	59	50	30.73	23.99	2.96	34.79	23.96	3.03	36.70	26.48	3.07	39.31	27.80	3.07	42.06	29.10	3.11	43.38	31.66	3.13
	67	53	37.20	27.31	3.61	42.09	27.27	3.67	44.39	30.12	3.71	47.57	31.63	3.74	50.88	33.14	3.80	52.46	36.02	3.82
	77	62	36.07	26.86	4.15	40.81	26.83	4.24	43.03	29.63	4.28	46.11	31.12	4.32	49.33	32.38	4.36	50.86	35.44	4.38
	87	69	35.11	26.42	4.61	39.74	26.38	4.70	41.91	29.15	4.74	44.92	30.61	4.78	48.04	31.32	4.84	49.55	34.86	4.86
	95	75	34.13	25.34	4.81	38.62	25.31	4.91	40.74	27.95	4.95	42.94	29.35	4.99	46.68	30.04	5.05	48.13	33.44	5.07
07 + 12 + 12 + 12	104	78	28.95	23.16	4.40	32.77	23.15	4.49	34.57	25.57	4.51	37.04	26.85	4.57	39.63	27.49	4.62	40.86	30.60	4.64
	115	80	21.31	20.37	3.80	24.14	20.34	3.86	25.45	22.48	3.90	27.28	23.61	3.95	29.20	24.17	3.99	30.11	26.91	4.01
	14	12	29.48	23.66	1.83	33.37	23.63	1.87	35.19	26.11	1.87	37.71	26.80	1.89	40.35	27.85	1.91	41.60	30.84	1.93
	23	21	28.94	23.08	1.98	32.74	23.05	2.00	34.55	25.47	2.02	37.02	26.74	2.04	39.61	27.36	2.08	40.84	30.47	2.08
	32	28	28.70	22.88	2.10	32.46	22.85	2.14	34.28	25.29	2.16	36.69	26.50	2.18	39.24	27.14	2.20	40.54	30.18	2.22
	41	37	28.34	22.72	2.34	32.07	22.69	2.38	33.84	25.07	2.40	36.26	26.33	2.42	38.79	26.94	2.44	39.99	30.00	2.46
	50	47	28.58	22.83	2.64	32.36	22.82	2.68	34.15	25.20	2.71	36.58	26.47	2.75	39.14	27.10	2.77	40.36	30.15	2.80
	59	50	30.20	23.58	2.91	34.20	23.55	2.98	36.08	26.03	3.02	38.64	27.33	3.02	41.34	28.60	3.06	42.64	31.12	3.08
	67	53	36.57	26.84	3.55	41.38	26.81	3.61	43.63	29.61	3.64	46.76	31.09	3.68	50.01	32.58	3.73	51.57	35.41	3.75
	77	62	35.45	26.40	4.08	40.12	26.37	4.17	42.30	29.12	4.21	45.33	30.59	4.25	48.49	31.83	4.29	49.99	34.84	4.31
	87	69	34.51	25.97	4.54	39.07	25.93	4.62	41.20	28.66	4.66	44.15	30.09	4.70	47.22	30.78	4.76	48.70	34.27	4.78
09 + 09 + 09 + 09	95	75	33.55	24.91	4.73	37.96	24.88	4.83	40.04	27.48	4.87	42.21	28.85	4.90	45.88	29.53	4.96	47.31	32.87	4.98
	104	78	28.45	22.77	4.32	32.22	22.75	4.41	33.98	25.14	4.43	36.40	26.39	4.50	38.96	27.02	4.54	40.17	30.07	4.56
	115	80	20.95	20.03	3.73	23.73	19.99	3.80	25.02	22.10	3.84	26.82	23.21	3.88	28.70	23.76	3.92	29.60	26.45	3.94
	14	12	27.94	22.43	1.73	31.63	22.40	1.77	33.36	24.75	1.77	35.75	25.40	1.79	38.25	26.40	1.81	39.44	29.23	1.83
	23	21	27.43	21.88	1.88	31.04	21.85	1.90	32.75	24.14	1.92	35.10	25.34	1.94	37.55	25.94	1.97	38.72	28.88	1.97
	32	28	27.21	21.69	1.99	30.77	21.66	2.03	32.49	23.98	2.05	34.78	25.12	2.07	37.20	25.73	2.08	38.44	28.61	2.10
	41	37	26.87	21.54	2.22	30.40	21.51	2.26	32.08	23.77	2.28	34.37	24.96	2.29	36.77	25.54	2.31	37.91	28.44	2.33
	50	47	27.10	21.64	2.50	30.68	21.63	2.54	32.37	23.89	2.57	34.68	25.09	2.61	37.10	25.69	2.63	38.26	28.58	2.65
	59	50	28.63	22.36	2.76	32.42	22.33	2.82	34.20	24.68	2.86	36.63	25.91	2.86	39.19	27.11	2.90	40.42	29.51	2.92
	67	53	34.66	25.45	3.37	39.22	25.41	3.42	41.36	28.07	3.45	44.33	29.47	3.49	47.41	30.88	3.54	48.88	33.57	3.56
	77	62	33.61	25.03	3.87	38.03	25.00	3.95	40.10	27.61	3.99	42.97	29.00	4.03	45.96	30.18	4.07	47.39	33.03	4.09
09 + 09 + 09 + 12	87	69	32.72	24.61	4.30	37.03	24.58	4.38	39.05	27.16	4.42	41.85	28.53	4.46	44.77	29.18	4.51	46.17	32.48	4.53
	95	75	31.80	23.61	4.48	35.98	23.58	4.57	37.96	26.05	4.61	40.02	27.35	4.65	43.50	27.99	4.71	44.85	31.16	4.72
	104	78	26.97	21.58	4.10	30.54	21.57	4.18	32.21	23.83	4.20	34.51	25.02	4.26	36.93	25.61	4.30	38.08	28.51	4.32
	115	80	19.86	18.98	3.54	22.49	18.95	3.60	23.72	20.95	3.64	25.42	22.00	3.68	27.21	22.52	3.72	28.06	25.08	3.74
	14	12	28.54	22.91	1.77	32.30	22.88	1.81	34.07	25.28	1.81	36.52	25.95	1.83	39.07	26.97	1.85	40.28	29.86	1.87
	23	21	28.02	22.35	1.92	31.70	22.32	1.94	33.45	24.66	1.96	35.85	25.89	1.98	38.35	26.49	2.02	39.55	29.50	2.02
	32	28	27.79	22.15	2.04	31.43	22.12	2.07	33.19	24.49	2.09	35.52	25.66	2.11						

Indoor unit connecting capacity	Outdoor temperature		Indoor temperature																	
			64 °FDB/54 °FWB			70 °FDB/60 °FWB			75 °FDB/63 °FWB			80 °FDB/67 °FWB			85 °FDB/71 °FWB			90 °FDB/73 °FWB		
			TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
kBtu/h	°FDB	°FWB	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW
09 + 12 + 12 + 12	14	12	29.48	23.66	1.83	33.37	23.63	1.87	35.19	26.11	1.87	37.71	26.80	1.89	40.35	27.85	1.91	41.60	30.84	1.93
	23	21	28.94	23.08	1.98	32.74	23.05	2.00	34.55	25.47	2.02	37.02	26.74	2.04	39.61	27.36	2.08	40.84	30.47	2.08
	32	28	28.70	22.88	2.10	32.46	22.85	2.14	34.28	25.29	2.16	36.69	26.50	2.18	39.24	27.14	2.20	40.54	30.18	2.22
	41	37	28.34	22.72	2.34	32.07	22.69	2.38	33.84	25.07	2.40	36.26	26.33	2.42	38.79	26.94	2.44	39.99	30.00	2.46
	50	47	28.58	22.83	2.64	32.36	22.82	2.68	34.15	25.20	2.71	36.58	26.47	2.75	39.14	27.10	2.77	40.36	30.15	2.80
	59	50	30.20	23.58	2.91	34.20	23.55	2.98	36.08	26.03	3.02	38.64	27.33	3.02	41.34	28.60	3.06	42.64	31.12	3.08
	67	53	36.57	26.84	3.55	41.38	26.81	3.61	43.63	29.61	3.64	46.76	31.09	3.68	50.01	32.58	3.73	51.57	35.41	3.75
	77	62	35.45	26.40	4.08	40.12	26.37	4.17	42.30	29.12	4.21	45.33	30.59	4.25	48.49	31.83	4.29	49.99	34.84	4.31
	87	69	34.51	25.97	4.54	39.07	25.93	4.62	41.20	28.66	4.66	44.15	30.09	4.70	47.22	30.78	4.76	48.70	34.27	4.78
	95	75	33.55	24.91	4.73	37.96	24.88	4.83	40.04	27.48	4.87	42.21	28.85	4.90	45.88	29.53	4.96	47.31	32.87	4.98
	104	78	28.45	22.77	4.32	32.22	22.75	4.41	33.98	25.14	4.43	36.40	26.39	4.50	38.96	27.02	4.54	40.17	30.07	4.56
	115	80	20.95	20.03	3.73	23.73	19.99	3.80	25.02	22.10	3.84	26.82	23.21	3.88	28.70	23.76	3.92	29.60	26.45	3.94

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]
 - Indoor unit fan speed: HIGH
- 2 or more indoor units should be connected.
- The total ability of connected a indoor unit is from 30,000 Btu/h up to 46,000 Btu/h.
- Input in the table are calculated based on the maximum indoor unit input combinations.
- Capacity loss due to white frost and defrost operation is not included.

■ Heating

- TC: Total Capacity (Gross)
- IP: Input Power (Including the compressor, evaporator fan motor, and condenser fan motor)

OUTDOOR UNIT
WHP18-42M

Indoor unit connecting capacity	Outdoor temperature		Indoor temperature									
			60 °FDB		65 °FDB		70 °FDB		75 °FDB		78 °FDB	
			TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
kBtu/h	°FDB	°FWB	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
07 + 24	-13	-15	23.53	3.40	23.25	3.45	23.10	4.50	22.45	3.55	21.70	3.60
	-5	-7	28.63	3.94	27.90	3.99	27.21	4.07	26.66	4.12	25.84	4.18
	5	3	34.53	4.47	33.69	4.55	33.00	4.62	32.60	4.69	31.82	4.76
	14	12	39.26	5.12	38.29	5.20	35.89	5.30	36.41	5.38	35.41	5.46
	23	19	40.44	5.35	39.45	5.44	37.76	5.52	37.56	5.62	36.54	5.71
	32	28	42.92	5.52	41.81	5.61	40.93	5.70	39.75	5.81	38.72	5.90
	41	37	44.93	5.81	43.77	5.90	42.88	5.98	41.68	6.10	40.64	6.20
	47	43	46.96	5.58	45.76	5.61	44.95	5.70	43.65	5.80	42.45	5.90
	50	47	42.69	4.83	41.60	4.86	40.86	4.95	39.68	5.03	38.59	5.11
	59	50	38.33	4.15	37.35	4.18	36.68	4.25	35.63	4.33	34.64	4.38
	68	59	33.87	3.54	33.00	3.57	32.42	3.62	31.48	3.68	30.61	3.73
	75	65	24.43	2.80	23.80	2.83	23.38	2.87	22.71	2.91	22.08	2.94
09 + 24	-13	-15	23.53	3.40	23.25	3.45	23.10	4.50	22.45	3.55	21.70	3.60
	-5	-7	28.63	3.94	27.90	3.99	27.21	4.07	26.66	4.12	25.84	4.18
	5	3	34.53	4.47	33.69	4.55	33.00	4.62	32.60	4.69	31.82	4.76
	14	12	39.26	5.12	38.29	5.20	35.89	5.30	36.41	5.38	35.41	5.46
	23	19	40.44	5.35	39.45	5.44	37.76	5.52	37.56	5.62	36.54	5.71
	32	28	42.92	5.52	41.81	5.61	40.93	5.70	39.75	5.81	38.72	5.90
	41	37	44.93	5.81	43.77	5.90	42.88	5.98	41.68	6.10	40.64	6.20
	47	43	46.96	5.58	45.76	5.61	44.95	5.70	43.65	5.80	42.45	5.90
	50	47	42.69	4.83	41.60	4.86	40.86	4.95	39.68	5.03	38.59	5.11
	59	50	38.33	4.15	37.35	4.18	36.68	4.25	35.63	4.33	34.64	4.38
	68	59	33.87	3.54	33.00	3.57	32.42	3.62	31.48	3.68	30.61	3.73
	75	65	24.43	2.80	23.80	2.83	23.38	2.87	22.71	2.91	22.08	2.94
12 + 18	-13	-15	21.39	3.40	21.14	3.45	21.00	3.50	20.41	3.55	19.73	3.60
	-5	-7	26.03	3.94	25.36	3.99	24.74	4.07	24.24	4.12	23.49	4.18
	5	3	31.39	4.47	30.63	4.55	30.00	4.62	29.64	4.69	28.93	4.76
	14	12	35.53	5.10	34.65	5.18	32.48	5.28	32.95	5.36	32.04	5.44
	23	19	36.43	5.31	35.54	5.40	34.02	5.48	33.84	5.58	32.92	5.67
	32	28	38.49	5.46	37.50	5.55	36.71	5.64	35.65	5.74	34.73	5.83
	41	37	40.12	5.72	39.09	5.81	38.29	5.89	37.22	6.01	36.29	6.11
	47	43	41.76	5.48	40.69	5.51	39.97	5.60	38.81	5.69	37.74	5.79
	50	47	37.96	4.75	36.99	4.78	36.33	4.86	35.29	4.94	34.31	5.02
	59	50	34.08	4.08	33.21	4.11	32.62	4.18	31.68	4.25	30.80	4.30
	68	59	30.12	3.48	29.34	3.51	28.82	3.56	27.99	3.62	27.22	3.67
	75	65	21.72	2.76	21.17	2.79	20.79	2.83	20.19	2.87	19.63	2.90
12 + 24	-13	-15	25.67	3.40	25.37	3.45	25.20	3.50	24.50	3.55	23.67	3.60
	-5	-7	31.24	3.94	30.43	3.99	29.69	4.07	29.09	4.12	28.19	4.18
	5	3	37.67	4.47	36.75	4.55	36.00	4.62	35.57	4.69	34.71	4.76
	14	12	43.00	5.14	41.93	5.22	39.30	5.31	39.88	5.40	38.77	5.48
	23	19	44.45	5.38	43.36	5.47	41.51	5.56	41.28	5.66	40.16	5.75
	32	28	47.34	5.57	46.12	5.66	45.15	5.75	43.85	5.86	42.71	5.95
	41	37	49.74	5.88	48.45	5.97	47.46	6.05	46.14	6.17	44.99	6.27
	47	43	52.17	5.66	50.83	5.69	49.93	5.79	48.49	5.89	47.15	5.98
	50	47	47.42	4.90	46.21	4.93	45.39	5.02	44.08	5.10	42.86	5.19
	59	50	42.57	4.21	41.48	4.23	40.75	4.31	39.57	4.39	38.48	4.44
	68	59	37.62	3.58	36.66	3.61	36.01	3.67	34.97	3.73	34.01	3.78
	75	65	27.14	2.84	26.44	2.86	25.97	2.91	25.22	2.94	24.53	2.98
18 + 18	-13	-15	25.67	3.40	25.37	3.45	25.20	3.50	24.50	3.55	23.67	3.60
	-5	-7	31.24	3.94	30.43	3.99	29.69	4.07	29.09	4.12	28.19	4.18
	5	3	37.67	4.47	36.75	4.55	36.00	4.62	35.57	4.69	34.71	4.76
	14	12	42.34	5.07	41.29	5.15	38.71	5.25	39.27	5.33	38.18	5.41
	23	19	43.12	5.25	42.06	5.34	40.27	5.42	40.05	5.52	38.96	5.60
	32	28	45.25	5.37	44.08	5.46	43.15	5.54	41.91	5.65	40.82	5.74
	41	37	46.85	5.59	45.63	5.68	44.70	5.76	43.46	5.87	42.38	5.97
	47	43	48.43	5.33	47.19	5.35	46.35	5.45	45.01	5.54	43.77	5.63
	50	47	44.03	4.62	42.90	4.65	42.14	4.73	40.92	4.81	39.79	4.89
	59	50	39.53	3.98	38.51	4.00	37.83	4.08	36.74	4.15	35.73	4.19
	68	59	34.93	3.40	34.03	3.42	33.43	3.48	32.46	3.53	31.57	3.58
	75	65	25.19	2.71	24.55	2.73	24.11	2.77	23.42	2.81	22.77	2.84
18 + 24	-13	-15	27.09	3.40	26.77	3.45	26.60	3.50	25.86	3.55	24.99	3.60
	-5	-7	32.97	3.94	32.12	3.99	31.33	4.07	30.70	4.12	29.76	4.18
	5	3	39.76	4.47	38.79	4.55	38.00	4.62	37.54	4.69	36.64	4.76
	14	12	45.39	5.14	44.25	5.22	41.49	5.31	42.09	5.40	40.93	5.48
	23	19	46.92	5.38	45.77	5.47	43.81	5.56	43.58	5.66	42.39	5.75
	32	28	49.97	5.57	48.69	5.66	47.66	5.75	46.29	5.86	45.09	5.95
	41	37	52.50	5.88	51.14	5.97	50.10	6.05	48.71	6.17	47.49	6.27
	47	43	55.06	5.66	53.65	5.69	52.70	5.79	51.18	5.89	49.77	5.98
	50	47	50.06	4.90	48.77	4.93	47.91	5.02	46.53	5.10	45.24	5.19
	59	50	44.94	4.21	43.79	4.23	43.01	4.31	41.77	4.39	40.62	4.44
	68	59	39.71	3.58	38.69	3.61	38.01	3.67	36.91	3.73	35.89	3.78
	75	65	28.64	2.84	27.91	2.86	27.41	2.91	26.62	2.94	25.89	2.98

OUTDOOR UNIT
WHP18-42M

Indoor unit connecting capacity	Outdoor temperature		Indoor temperature									
			60 °FDB		65 °FDB		70 °FDB		75 °FDB		78 °FDB	
	kBtu/h		TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
	°FDB	°FWB	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
07 + 07 + 18	-13	-15	25.67	3.40	25.37	3.45	25.20	3.50	24.50	3.55	23.67	3.60
	-5	-7	31.24	3.94	30.43	3.99	29.69	4.07	29.09	4.12	28.19	4.18
	5	3	37.67	4.47	36.75	4.55	36.00	4.62	35.57	4.69	34.71	4.76
	14	12	42.34	5.07	41.29	5.15	38.71	5.25	39.27	5.33	38.18	5.41
	23	19	43.12	5.25	42.06	5.34	40.27	5.42	40.05	5.52	38.96	5.60
	32	28	45.25	5.37	44.08	5.46	43.15	5.54	41.91	5.65	40.82	5.74
	41	37	46.85	5.59	45.63	5.68	44.70	5.76	43.46	5.87	42.38	5.97
	47	43	48.43	5.33	47.19	5.35	46.35	5.45	45.01	5.54	43.77	5.63
	50	47	44.03	4.62	42.90	4.65	42.14	4.73	40.92	4.81	39.79	4.89
	59	50	39.53	3.98	38.51	4.00	37.83	4.08	36.74	4.15	35.73	4.19
	68	59	34.93	3.40	34.03	3.42	33.43	3.48	32.46	3.53	31.57	3.58
	75	65	25.19	2.71	24.55	2.73	24.11	2.77	23.42	2.81	22.77	2.84
07 + 07 + 24	-13	-15	25.67	3.40	25.37	3.45	25.20	3.50	24.50	3.55	23.67	3.60
	-5	-7	31.24	3.94	30.43	3.99	29.69	4.07	29.09	4.12	28.19	4.18
	5	3	37.67	4.47	36.75	4.55	36.00	4.62	35.57	4.69	34.71	4.76
	14	12	42.80	5.12	41.73	5.20	39.12	5.29	39.69	5.38	38.60	5.46
	23	19	44.05	5.34	42.97	5.43	41.14	5.52	40.91	5.62	39.80	5.70
	32	28	46.71	5.51	45.51	5.60	44.55	5.69	43.27	5.80	42.15	5.89
	41	37	48.87	5.79	47.61	5.88	46.64	5.97	45.34	6.08	44.21	6.18
	47	43	51.04	5.56	49.74	5.59	48.85	5.69	47.45	5.78	46.14	5.88
	50	47	46.40	4.82	45.21	4.85	44.41	4.94	43.13	5.02	41.94	5.10
	59	50	41.66	4.14	40.59	4.16	39.87	4.24	38.72	4.32	37.65	4.37
	68	59	36.81	3.53	35.87	3.56	35.23	3.61	34.22	3.67	33.27	3.72
	75	65	26.55	2.80	25.87	2.82	25.41	2.86	24.68	2.90	24.00	2.94
07 + 09 + 18	-13	-15	25.67	3.40	25.37	3.45	25.20	3.50	24.50	3.55	23.67	3.60
	-5	-7	31.24	3.94	30.43	3.99	29.69	4.07	29.09	4.12	28.19	4.18
	5	3	37.67	4.47	36.75	4.55	36.00	4.62	35.57	4.69	34.71	4.76
	14	12	42.34	5.07	41.29	5.15	38.71	5.25	39.27	5.33	38.18	5.41
	23	19	43.12	5.25	42.06	5.34	40.27	5.42	40.05	5.52	38.96	5.60
	32	28	45.25	5.37	44.08	5.46	43.15	5.54	41.91	5.65	40.82	5.74
	41	37	46.85	5.59	45.63	5.68	44.70	5.76	43.46	5.87	42.38	5.97
	47	43	48.43	5.33	47.19	5.35	46.35	5.45	45.01	5.54	43.77	5.63
	50	47	44.03	4.62	42.90	4.65	42.14	4.73	40.92	4.81	39.79	4.89
	59	50	39.53	3.98	38.51	4.00	37.83	4.08	36.74	4.15	35.73	4.19
	68	59	34.93	3.40	34.03	3.42	33.43	3.48	32.46	3.53	31.57	3.58
	75	65	25.19	2.71	24.55	2.73	24.11	2.77	23.42	2.81	22.77	2.84
07 + 09 + 24	-13	-15	25.67	3.40	25.37	3.45	25.20	3.50	24.50	3.55	23.67	3.60
	-5	-7	31.24	3.94	30.43	3.99	29.69	4.07	29.09	4.12	28.19	4.18
	5	3	37.67	4.47	36.75	4.55	36.00	4.62	35.57	4.69	34.71	4.76
	14	12	42.80	5.12	41.73	5.20	39.12	5.29	39.69	5.38	38.60	5.46
	23	19	44.05	5.34	42.97	5.43	41.14	5.52	40.91	5.62	39.80	5.70
	32	28	46.71	5.51	45.51	5.60	44.55	5.69	43.27	5.80	42.15	5.89
	41	37	48.87	5.79	47.61	5.88	46.64	5.97	45.34	6.08	44.21	6.18
	47	43	51.04	5.56	49.74	5.59	48.85	5.69	47.45	5.78	46.14	5.88
	50	47	46.40	4.82	45.21	4.85	44.41	4.94	43.13	5.02	41.94	5.10
	59	50	41.66	4.14	40.59	4.16	39.87	4.24	38.72	4.32	37.65	4.37
	68	59	36.81	3.53	35.87	3.56	35.23	3.61	34.22	3.67	33.27	3.72
	75	65	26.55	2.80	25.87	2.82	25.41	2.86	24.68	2.90	24.00	2.94
07 + 12 + 12	-13	-15	24.24	3.40	23.96	3.45	23.80	3.50	23.13	3.55	22.36	3.60
	-5	-7	29.50	3.94	28.74	3.99	28.04	4.07	27.47	4.12	26.63	4.18
	5	3	35.57	4.47	34.71	4.55	34.00	4.62	33.59	4.69	32.78	4.76
	14	12	39.87	5.06	38.87	5.14	36.44	5.24	36.97	5.32	35.95	5.40
	23	19	40.47	5.22	39.48	5.31	37.79	5.39	37.59	5.49	36.57	5.58
	32	28	42.34	5.33	41.25	5.41	40.38	5.50	39.21	5.60	38.20	5.69
	41	37	43.70	5.54	42.57	5.62	41.70	5.70	40.54	5.81	39.53	5.91
	47	43	45.03	5.26	43.88	5.29	43.10	5.38	41.86	5.47	40.70	5.56
	50	47	40.94	4.57	39.89	4.59	39.18	4.68	38.05	4.75	37.00	4.83
	59	50	36.75	3.93	35.81	3.96	35.18	4.03	34.16	4.10	33.22	4.14
	68	59	32.48	3.36	31.64	3.39	31.08	3.44	30.19	3.49	29.36	3.54
	75	65	23.43	2.68	22.82	2.70	22.42	2.74	21.77	2.78	21.17	2.81
07 + 12 + 18	-13	-15	25.67	3.40	25.37	3.45	25.20	3.50	24.50	3.55	23.67	3.60
	-5	-7	31.24	3.94	30.43	3.99	29.69	4.07	29.09	4.12	28.19	4.18
	5	3	37.67	4.47	36.75	4.55	36.00	4.62	35.57	4.69	34.71	4.76
	14	12	42.61	5.10	41.54	5.18	38.94	5.27	39.51	5.36	38.42	5.44
	23	19	43.65	5.30	42.58	5.39	40.76	5.48	40.54	5.57	39.44	5.66
	32	28	46.08	5.45	44.90	5.54	43.95	5.63	42.69	5.73	41.58	5.82
	41	37	48.00	5.71	46.76	5.80	45.81	5.88	44.53	5.99	43.42	6.09
	47	43	49.92	5.46	48.64	5.49	47.78	5.58	46.40	5.68	45.12	5.77
	50	47	45.38	4.74	44.22	4.76	43.44	4.85	42.18	4.93	41.02	5.01
	59	50	40.74	4.07	39.70	4.09	39.00	4.17	37.87	4.24	36.83	4.29
	68	59	36.00	3.47	35.08	3.50	34.46	3.55	33.47	3.61	32.54	3.66
	75	65	25.97	2.76	25.30	2.78	24.86	2.82	24.14	2.86	23.47	2.89
07 + 12 + 24	-13	-15	25.67	3.40	25.37	3.45	25.20	3.50	24.50	3.55	23.67	3.60
	-5	-7	31.24	3.94	30.43	3.99	29.69	4.07	29.09	4.12	28.19	4.18
	5	3	37.67	4.47	36.75	4.55	36.00	4.62	35.57	4.69	34.71	4.76
	14	12	42.93	5.13	41.86	5.21	39.24	5.31	39.82	5.39	38.71	5.47
	23	19	44.32	5.37	43.23	5.46	41.38	5.54	41.16	5.64	40.04	5.73
	32	28	47.13	5.55	45.92	5.64	44.95	5.73	43.66	5.84	42.52	5.93
	41	37	49.45	5.85	48.17	5.94	47.19	6.03	45.88	6.14	44.73	6.24
	47	43	51.79	5.63	50.46	5.66	49.57	5.75	48.14	5.85	46.81	5.95
	50	47	47.08	4.88	45.88	4.90	45.06	4.99	43.76	5.08	42.56	5.16
	59	50	42.27	4.19	41.19	4.21	40.46	4.29	39.29	4.36	38.21	4.41
	68	59	37.35	3.57	36.39	3.59	35.75	3.65	34.72	3.71	33.76	3.76
	75	65	26.94	2.82	26.25	2.85	25.79	2.89	25.04	2.93	24.35	2.96

Indoor unit connecting capacity	Outdoor temperature		Indoor temperature									
			60 °FDB		65 °FDB		70 °FDB		75 °FDB		78 °FDB	
	°FDB	°FWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
kBtu/h			kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
07 + 18 + 18	-13	-15	25.52	3.40	25.22	3.45	25.06	3.50	24.36	3.55	23.54	3.60
	-5	-7	31.06	3.94	30.26	3.99	29.52	4.07	28.93	4.12	28.04	4.18
	5	3	37.46	4.47	36.55	4.55	35.80	4.62	35.37	4.69	34.52	4.76
	14	12	43.08	5.17	42.01	5.25	39.38	5.35	39.96	5.43	38.85	5.51
	23	19	44.87	5.45	43.77	5.54	41.90	5.63	41.67	5.73	40.54	5.82
	32	28	48.12	5.67	46.88	5.77	45.89	5.86	44.57	5.97	43.42	6.06
	41	37	50.90	6.02	49.58	6.11	48.57	6.20	47.22	6.32	46.04	6.43
	47	43	53.73	5.83	52.36	5.86	51.43	5.96	49.94	6.06	48.57	6.16
	50	47	48.85	5.04	47.60	5.07	46.75	5.17	45.40	5.25	44.15	5.34
	59	50	43.85	4.33	42.73	4.35	41.97	4.43	40.76	4.51	39.64	4.56
	68	59	38.75	3.68	37.76	3.71	37.09	3.76	36.02	3.82	35.03	3.88
	75	65	27.95	2.90	27.24	2.93	26.75	2.97	25.98	3.01	25.26	3.05
09 + 09 + 12	-13	-15	21.39	3.40	21.14	3.45	21.00	3.50	20.41	3.55	19.73	3.60
	-5	-7	26.03	3.94	25.36	3.99	24.74	4.07	24.24	4.12	23.49	4.18
	5	3	31.39	4.47	30.63	4.55	30.00	4.62	29.64	4.69	28.93	4.76
	14	12	35.01	5.04	34.14	5.12	32.01	5.22	32.47	5.30	31.57	5.38
	23	19	35.38	5.18	34.51	5.27	33.04	5.35	32.86	5.45	31.97	5.53
	32	28	36.83	5.27	35.89	5.35	35.13	5.44	34.12	5.54	33.23	5.63
	41	37	37.83	5.45	36.86	5.54	36.10	5.61	35.10	5.72	34.22	5.81
	47	43	38.80	5.16	37.81	5.19	37.13	5.27	36.06	5.36	35.07	5.45
	50	47	35.27	4.48	34.37	4.51	33.76	4.59	32.79	4.66	31.88	4.74
	59	50	31.67	3.87	30.85	3.89	30.31	3.96	29.43	4.02	28.62	4.07
	68	59	27.98	3.31	27.27	3.33	26.78	3.38	26.01	3.43	25.29	3.48
	75	65	20.18	2.64	19.67	2.66	19.32	2.70	18.76	2.74	18.24	2.77
09 + 09 + 18	-13	-15	25.67	3.40	25.37	3.45	25.20	3.50	24.50	3.55	23.67	3.60
	-5	-7	31.24	3.94	30.43	3.99	29.69	4.07	29.09	4.12	28.19	4.18
	5	3	37.67	4.47	36.75	4.55	36.00	4.62	35.57	4.69	34.71	4.76
	14	12	42.34	5.07	41.29	5.15	38.71	5.25	39.27	5.33	38.18	5.41
	23	19	43.12	5.25	42.06	5.34	40.27	5.42	40.05	5.52	38.96	5.60
	32	28	45.25	5.37	44.08	5.46	43.15	5.54	41.91	5.65	40.82	5.74
	41	37	46.85	5.59	45.63	5.68	44.70	5.76	43.46	5.87	42.38	5.97
	47	43	48.43	5.33	47.19	5.35	46.35	5.45	45.01	5.54	43.77	5.63
	50	47	44.03	4.62	42.90	4.65	42.14	4.73	40.92	4.81	39.79	4.89
	59	50	39.53	3.98	38.51	4.00	37.83	4.08	36.74	4.15	35.73	4.19
	68	59	34.93	3.40	34.03	3.42	33.43	3.48	32.46	3.53	31.57	3.58
	75	65	25.19	2.71	24.55	2.73	24.11	2.77	23.42	2.81	22.77	2.84
09 + 09 + 24	-13	-15	25.67	3.40	25.37	3.45	25.20	3.50	24.50	3.55	23.67	3.60
	-5	-7	31.24	3.94	30.43	3.99	29.69	4.07	29.09	4.12	28.19	4.18
	5	3	37.67	4.47	36.75	4.55	36.00	4.62	35.57	4.69	34.71	4.76
	14	12	42.80	5.12	41.73	5.20	39.12	5.29	39.69	5.38	38.60	5.46
	23	19	44.05	5.34	42.97	5.43	41.14	5.52	40.91	5.62	39.80	5.70
	32	28	46.71	5.51	45.51	5.60	44.55	5.69	43.27	5.80	42.15	5.89
	41	37	48.87	5.79	47.61	5.88	46.64	5.97	45.34	6.08	44.21	6.18
	47	43	51.04	5.56	49.74	5.59	48.85	5.69	47.45	5.78	46.14	5.88
	50	47	46.40	4.82	45.21	4.85	44.41	4.94	43.13	5.02	41.94	5.10
	59	50	41.66	4.14	40.59	4.16	39.87	4.24	38.72	4.32	37.65	4.37
	68	59	36.81	3.53	35.87	3.56	35.23	3.61	34.22	3.67	33.27	3.72
	75	65	26.55	2.80	25.87	2.82	25.41	2.86	24.68	2.90	24.00	2.94
09 + 12 + 12	-13	-15	24.24	3.40	23.96	3.45	23.80	3.50	23.13	3.55	22.36	3.60
	-5	-7	29.50	3.94	28.74	3.99	28.04	4.07	27.47	4.12	26.63	4.18
	5	3	35.57	4.47	34.71	4.55	34.00	4.62	33.59	4.69	32.78	4.76
	14	12	39.87	5.06	38.87	5.14	36.44	5.24	36.97	5.32	35.95	5.40
	23	19	40.47	5.22	39.48	5.31	37.79	5.39	37.59	5.49	36.57	5.58
	32	28	42.34	5.33	41.25	5.41	40.38	5.50	39.21	5.60	38.20	5.69
	41	37	43.70	5.54	42.57	5.62	41.70	5.70	40.54	5.81	39.53	5.91
	47	43	45.03	5.26	43.88	5.29	43.10	5.38	41.86	5.47	40.70	5.56
	50	47	40.94	4.57	39.89	4.59	39.18	4.68	38.05	4.75	37.00	4.83
	59	50	36.75	3.93	35.81	3.96	35.18	4.03	34.16	4.10	33.22	4.14
	68	59	32.48	3.36	31.64	3.39	31.08	3.44	30.19	3.49	29.36	3.54
	75	65	23.43	2.68	22.82	2.70	22.42	2.74	21.77	2.78	21.17	2.81
09 + 12 + 18	-13	-15	25.67	3.40	25.37	3.45	25.20	3.50	24.50	3.55	23.67	3.60
	-5	-7	31.24	3.94	30.43	3.99	29.69	4.07	29.09	4.12	28.19	4.18
	5	3	37.67	4.47	36.75	4.55	36.00	4.62	35.57	4.69	34.71	4.76
	14	12	42.61	5.10	41.54	5.18	38.94	5.27	39.51	5.36	38.42	5.44
	23	19	43.65	5.30	42.58	5.39	40.76	5.48	40.54	5.57	39.44	5.66
	32	28	46.08	5.45	44.90	5.54	43.95	5.63	42.69	5.73	41.58	5.82
	41	37	48.00	5.71	46.76	5.80	45.81	5.88	44.53	5.99	43.42	6.09
	47	43	49.92	5.46	48.64	5.49	47.78	5.58	46.40	5.68	45.12	5.77
	50	47	45.38	4.74	44.22	4.76	43.44	4.85	42.18	4.93	41.02	5.01
	59	50	40.74	4.07	39.70	4.09	39.00	4.17	37.87	4.24	36.83	4.29
	68	59	36.00	3.47	35.08	3.50	34.46	3.55	33.47	3.61	32.54	3.66
	75	65	25.97	2.76	25.30	2.78	24.86	2.82	24.14	2.86	23.47	2.89
09 + 12 + 24	-13	-15	25.67	3.40	25.37	3.45	25.20	3.50	24.50	3.55	23.67	3.60
	-5	-7	31.24	3.94	30.43	3.99	29.69	4.07	29.09	4.12	28.19	4.18
	5	3	37.67	4.47	36.75	4.55	36.00	4.62	35.57	4.69	34.71	4.76
	14	12	42.93	5.13	41.86	5.21	39.24	5.31	39.82	5.39	38.71	5.47
	23	19	44.32	5.37	43.23	5.46	41.38	5.54	41.16	5.64	40.04	5.73
	32	28	47.13	5.55	45.92	5.64	44.95	5.73	43.66	5.84	42.52	5.93
	41	37	49.45	5.85	48.17	5.94	47.19	6.03	45.88	6.14	44.73	6.24
	47	43	51.79	5.63	50.46	5.66	49.57	5.75	48.14	5.85	46.81	5.95
	50	47	47.08	4.88	45.88	4.90	45.06	4.99	43.76	5.08	42.56	5.16
	59	50	42.27	4.19	41.19	4.21	40.46	4.29	39.29	4.36	38.21	4.41
	68	59	37.35	3.57	36.39	3.59	35.75	3.65	34.72	3.71	33.76	3.76
	75	65	26.94	2.82	26.25	2.85	25.79	2.89	25.04	2.93	24.35	2.96

Indoor unit connecting capacity	Outdoor temperature		Indoor temperature									
			60 °FDB		65 °FDB		70 °FDB		75 °FDB		78 °FDB	
	°FDB	°FWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
kBtu/h			kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
09 + 18 + 18	-13	-15	25.52	3.40	25.22	3.45	25.06	3.50	24.36	3.55	23.54	3.60
	-5	-7	31.06	3.94	30.26	3.99	29.52	4.07	28.93	4.12	28.04	4.18
	5	3	37.46	4.47	36.55	4.55	35.80	4.62	35.37	4.69	34.52	4.76
	14	12	43.08	5.17	42.01	5.25	39.38	5.35	39.96	5.43	38.85	5.51
	23	19	44.87	5.45	43.77	5.54	41.90	5.63	41.67	5.73	40.54	5.82
	32	28	48.12	5.67	46.88	5.77	45.89	5.86	44.57	5.97	43.42	6.06
	41	37	50.90	6.02	49.58	6.11	48.57	6.20	47.22	6.32	46.04	6.43
	47	43	53.73	5.83	52.36	5.86	51.43	5.96	49.94	6.06	48.57	6.16
	50	47	48.85	5.04	47.60	5.07	46.75	5.17	45.40	5.25	44.15	5.34
	59	50	43.85	4.33	42.73	4.35	41.97	4.43	40.76	4.51	39.64	4.56
	68	59	38.75	3.68	37.76	3.71	37.09	3.76	36.02	3.82	35.03	3.88
	75	65	27.95	2.90	27.24	2.93	26.75	2.97	25.98	3.01	25.26	3.05
12 + 12 + 12	-13	-15	25.67	3.40	25.37	3.45	25.20	3.50	24.50	3.55	23.67	3.60
	-5	-7	31.24	3.94	30.43	3.99	29.69	4.07	29.09	4.12	28.19	4.18
	5	3	37.67	4.47	36.75	4.55	36.00	4.62	35.57	4.69	34.71	4.76
	14	12	42.34	5.07	41.29	5.15	38.71	5.25	39.27	5.33	38.18	5.41
	23	19	43.12	5.25	42.06	5.34	40.27	5.42	40.05	5.52	38.96	5.60
	32	28	45.25	5.37	44.08	5.46	43.15	5.54	41.91	5.65	40.82	5.74
	41	37	46.85	5.59	45.63	5.68	44.70	5.76	43.46	5.87	42.38	5.97
	47	43	48.43	5.33	47.19	5.35	46.35	5.45	45.01	5.54	43.77	5.63
	50	47	44.03	4.62	42.90	4.65	42.14	4.73	40.92	4.81	39.79	4.89
	59	50	39.53	3.98	38.51	4.00	37.83	4.08	36.74	4.15	35.73	4.19
	68	59	34.93	3.40	34.03	3.42	33.43	3.48	32.46	3.53	31.57	3.58
	75	65	25.19	2.71	24.55	2.73	24.11	2.77	23.42	2.81	22.77	2.84
12 + 12 + 18	-13	-15	25.67	3.40	25.37	3.45	25.20	3.50	24.50	3.55	23.67	3.60
	-5	-7	31.24	3.94	30.43	3.99	29.69	4.07	29.09	4.12	28.19	4.18
	5	3	37.67	4.47	36.75	4.55	36.00	4.62	35.57	4.69	34.71	4.76
	14	12	42.80	5.12	41.73	5.20	39.12	5.29	39.69	5.38	38.60	5.46
	23	19	44.05	5.34	42.97	5.43	41.14	5.52	40.91	5.62	39.80	5.70
	32	28	46.71	5.51	45.51	5.60	44.55	5.69	43.27	5.80	42.15	5.89
	41	37	48.87	5.79	47.61	5.88	46.64	5.97	45.34	6.08	44.21	6.18
	47	43	51.04	5.56	49.74	5.59	48.85	5.69	47.45	5.78	46.14	5.88
	50	47	46.40	4.82	45.21	4.85	44.41	4.94	43.13	5.02	41.94	5.10
	59	50	41.66	4.14	40.59	4.16	39.87	4.24	38.72	4.32	37.65	4.37
	68	59	36.81	3.53	35.87	3.56	35.23	3.61	34.22	3.67	33.27	3.72
	75	65	26.55	2.80	25.87	2.82	25.41	2.86	24.68	2.90	24.00	2.94
07 + 07 + 07 + 09	-13	-15	25.67	3.40	25.37	3.45	25.20	3.50	24.50	3.55	23.67	3.60
	-5	-7	31.24	3.94	30.43	3.99	29.69	4.07	29.09	4.12	28.19	4.18
	5	3	37.67	4.47	36.75	4.55	36.00	4.62	35.57	4.69	34.71	4.76
	14	12	42.34	5.07	41.29	5.15	38.71	5.25	39.27	5.33	38.18	5.41
	23	19	43.12	5.25	42.06	5.34	40.27	5.42	40.05	5.52	38.96	5.60
	32	28	45.25	5.37	44.08	5.46	43.15	5.54	41.91	5.65	40.82	5.74
	41	37	46.85	5.59	45.63	5.68	44.70	5.76	43.46	5.87	42.38	5.97
	47	43	48.43	5.33	47.19	5.35	46.35	5.45	45.01	5.54	43.77	5.63
	50	47	44.03	4.62	42.90	4.65	42.14	4.73	40.92	4.81	39.79	4.89
	59	50	39.53	3.98	38.51	4.00	37.83	4.08	36.74	4.15	35.73	4.19
	68	59	34.93	3.40	34.03	3.42	33.43	3.48	32.46	3.53	31.57	3.58
	75	65	25.19	2.71	24.55	2.73	24.11	2.77	23.42	2.81	22.77	2.84
07 + 07 + 07 + 12	-13	-15	25.67	3.40	25.37	3.45	25.20	3.50	24.50	3.55	23.67	3.60
	-5	-7	31.24	3.94	30.43	3.99	29.69	4.07	29.09	4.12	28.19	4.18
	5	3	37.67	4.47	36.75	4.55	36.00	4.62	35.57	4.69	34.71	4.76
	14	12	42.61	5.10	41.54	5.18	38.94	5.27	39.51	5.36	38.42	5.44
	23	19	43.65	5.30	42.58	5.39	40.76	5.48	40.54	5.57	39.44	5.66
	32	28	46.08	5.45	44.90	5.54	43.95	5.63	42.69	5.73	41.58	5.82
	41	37	48.00	5.71	46.76	5.80	45.81	5.88	44.53	5.99	43.42	6.09
	47	43	49.92	5.46	48.64	5.49	47.78	5.58	46.40	5.68	45.12	5.77
	50	47	45.38	4.74	44.22	4.76	43.44	4.85	42.18	4.93	41.02	5.01
	59	50	40.74	4.07	39.70	4.09	39.00	4.17	37.87	4.24	36.83	4.29
	68	59	36.00	3.47	35.08	3.50	34.46	3.55	33.47	3.61	32.54	3.66
	75	65	25.97	2.76	25.30	2.78	24.86	2.82	24.14	2.86	23.47	2.89
07 + 07 + 07 + 18	-13	-15	25.67	3.40	25.37	3.45	25.20	3.50	24.50	3.55	23.67	3.60
	-5	-7	31.24	3.94	30.43	3.99	29.69	4.07	29.09	4.12	28.19	4.18
	5	3	37.67	4.47	36.75	4.55	36.00	4.62	35.57	4.69	34.71	4.76
	14	12	42.93	5.13	41.86	5.21	39.24	5.31	39.82	5.39	38.71	5.47
	23	19	44.32	5.37	43.23	5.46	41.38	5.54	41.16	5.64	40.04	5.73
	32	28	47.13	5.55	45.92	5.64	44.95	5.73	43.66	5.84	42.52	5.93
	41	37	49.45	5.85	48.17	5.94	47.19	6.03	45.88	6.14	44.73	6.24
	47	43	51.79	5.63	50.46	5.66	49.57	5.75	48.14	5.85	46.81	5.95
	50	47	47.08	4.88	45.88	4.90	45.06	4.99	43.76	5.08	42.56	5.16
	59	50	42.27	4.19	41.19	4.21	40.46	4.29	39.29	4.36	38.21	4.41
	68	59	37.35	3.57	36.39	3.59	35.75	3.65	34.72	3.71	33.76	3.76
	75	65	26.94	2.82	26.25	2.85	25.79	2.89	25.04	2.93	24.35	2.96
07 + 07 + 07 + 24	-13	-15	25.67	2.40	25.37	2.45	25.20	2.50	24.50	2.55	23.67	2.60
	-5	-7	31.24	2.94	30.43	2.99	29.69	3.07	29.09	3.12	28.19	3.18
	5	3	37.67	3.47	36.75	3.55	36.00	3.62	35.57	3.69	34.71	3.76
	14	12	43.32	4.17	42.24	4.25	39.60	4.35	40.18	4.43	39.07	4.51
	23	19	45.12	4.45	44.01	4.54	42.13	4.63	41.90	4.73	40.76	4.82
	32	28	48.39	4.67	47.14	4.77	46.15	4.86	44.82	4.97	43.66	5.06
	41	37	51.18	5.02	49.86	5.11	48.84	5.20	47.49	5.32	46.30	5.43
	47	43	54.03	4.83	52.65	4.86	51.71	4.96	50.22	5.06	48.84	5.16
	50	47	49.12	4.04	47.86	4.07	47.01	4.17	45.66	4.25	44.40	4.34
	59	50	44.10	3.33	42.97	3.35	42.21	3.43	40.99	3.51	39.86	3.56
	68	59	38.97	2.68	37.97	2.71	37.30	2.76	36.22	2.82	35.22	2.88
	75	65	28.11	1.90	27.39	1.93	26.90	1.97	26.13	2.01	25.41	2.05

Indoor unit connecting capacity	Outdoor temperature		Indoor temperature									
			60 °FDB		65 °FDB		70 °FDB		75 °FDB		78 °FDB	
	kBtu/h		TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
	°FDB	°FWB	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
07 + 07 + 09 + 09	-13	-15	25.67	3.40	25.37	3.45	25.20	3.50	24.50	3.55	23.67	3.60
	-5	-7	31.24	3.94	30.43	3.99	29.69	4.07	29.09	4.12	28.19	4.18
	5	3	37.67	4.47	36.75	4.55	36.00	4.62	35.57	4.69	34.71	4.76
	14	12	42.34	5.07	41.29	5.15	38.71	5.25	39.27	5.33	38.18	5.41
	23	19	43.12	5.25	42.06	5.34	40.27	5.42	40.05	5.52	38.96	5.60
	32	28	45.25	5.37	44.08	5.46	43.15	5.54	41.91	5.65	40.82	5.74
	41	37	46.85	5.59	45.63	5.68	44.70	5.76	43.46	5.87	42.38	5.97
	47	43	48.43	5.33	47.19	5.35	46.35	5.45	45.01	5.54	43.77	5.63
	50	47	44.03	4.62	42.90	4.65	42.14	4.73	40.92	4.81	39.79	4.89
	59	50	39.53	3.98	38.51	4.00	37.83	4.08	36.74	4.15	35.73	4.19
07 + 07 + 09 + 12	68	59	34.93	3.40	34.03	3.42	33.43	3.48	32.46	3.53	31.57	3.58
	75	65	25.19	2.71	24.55	2.73	24.11	2.77	23.42	2.81	22.77	2.84
	-13	-15	25.67	3.40	25.37	3.45	25.20	3.50	24.50	3.55	23.67	3.60
	-5	-7	31.24	3.94	30.43	3.99	29.69	4.07	29.09	4.12	28.19	4.18
	5	3	37.67	4.47	36.75	4.55	36.00	4.62	35.57	4.69	34.71	4.76
	14	12	42.61	5.10	41.54	5.18	38.94	5.27	39.51	5.36	38.42	5.44
	23	19	43.65	5.30	42.58	5.39	40.76	5.48	40.54	5.57	39.44	5.66
	32	28	46.08	5.45	44.90	5.54	43.95	5.63	42.69	5.73	41.58	5.82
	41	37	48.00	5.71	46.76	5.80	45.81	5.88	44.53	5.99	43.42	6.09
	47	43	49.92	5.46	48.64	5.49	47.78	5.58	46.40	5.68	45.12	5.77
07 + 07 + 09 + 18	50	47	45.38	4.74	44.22	4.76	43.44	4.85	42.18	4.93	41.02	5.01
	59	50	40.74	4.07	39.70	4.09	39.00	4.17	37.87	4.24	36.83	4.29
	68	59	36.00	3.47	35.08	3.50	34.46	3.55	33.47	3.61	32.54	3.66
	75	65	25.97	2.76	25.30	2.78	24.86	2.82	24.14	2.86	23.47	2.89
	-13	-15	25.67	3.40	25.37	3.45	25.20	3.50	24.50	3.55	23.67	3.60
	-5	-7	31.24	3.94	30.43	3.99	29.69	4.07	29.09	4.12	28.19	4.18
	5	3	37.67	4.47	36.75	4.55	36.00	4.62	35.57	4.69	34.71	4.76
	14	12	42.93	5.13	41.86	5.21	39.24	5.31	39.82	5.39	38.71	5.47
	23	19	44.32	5.37	43.23	5.46	41.38	5.54	41.16	5.64	40.04	5.73
	32	28	47.13	5.55	45.92	5.64	44.95	5.73	43.66	5.84	42.52	5.93
07 + 07 + 12 + 12	41	37	49.45	5.85	48.17	5.94	47.19	6.03	45.88	6.14	44.73	6.24
	47	43	51.79	5.63	50.46	5.66	49.57	5.75	48.14	5.85	46.81	5.95
	50	47	47.08	4.88	45.88	4.90	45.06	4.99	43.76	5.08	42.56	5.16
	59	50	42.27	4.19	41.19	4.21	40.46	4.29	39.29	4.36	38.21	4.41
	68	59	37.35	3.57	36.39	3.59	35.75	3.65	34.72	3.71	33.76	3.76
	75	65	26.94	2.82	26.25	2.85	25.79	2.89	25.04	2.93	24.35	2.96
	-13	-15	25.67	3.40	25.37	3.45	25.20	3.50	24.50	3.55	23.67	3.60
	-5	-7	31.24	3.94	30.43	3.99	29.69	4.07	29.09	4.12	28.19	4.18
	5	3	37.67	4.47	36.75	4.55	36.00	4.62	35.57	4.69	34.71	4.76
	14	12	42.80	5.12	41.73	5.20	39.12	5.29	39.69	5.38	38.60	5.46
07 + 09 + 09 + 09	23	19	44.05	5.34	42.97	5.43	41.14	5.52	40.91	5.62	39.80	5.70
	32	28	46.71	5.51	45.51	5.60	44.55	5.69	43.27	5.80	42.15	5.89
	41	37	48.87	5.79	47.61	5.88	46.64	5.97	45.34	6.08	44.21	6.18
	47	43	51.04	5.56	49.74	5.59	48.85	5.69	47.45	5.78	46.14	5.88
	50	47	46.40	4.82	45.21	4.85	44.41	4.94	43.13	5.02	41.94	5.10
	59	50	41.66	4.14	40.59	4.16	39.87	4.24	38.72	4.32	37.65	4.37
	68	59	36.81	3.53	35.87	3.56	35.23	3.61	34.22	3.67	33.27	3.72
	75	65	26.55	2.80	25.87	2.82	25.41	2.86	24.68	2.90	24.00	2.94
	-13	-15	25.67	3.40	25.37	3.45	25.20	3.50	24.50	3.55	23.67	3.60
	-5	-7	31.24	3.94	30.43	3.99	29.69	4.07	29.09	4.12	28.19	4.18
07 + 09 + 09 + 12	5	3	37.67	4.47	36.75	4.55	36.00	4.62	35.57	4.69	34.71	4.76
	14	12	42.34	5.07	41.29	5.15	38.71	5.25	39.27	5.33	38.18	5.41
	23	19	43.12	5.25	42.06	5.34	40.27	5.42	40.05	5.52	38.96	5.60
	32	28	45.25	5.37	44.08	5.46	43.15	5.54	41.91	5.65	40.82	5.74
	41	37	46.85	5.59	45.63	5.68	44.70	5.76	43.46	5.87	42.38	5.97
	47	43	48.43	5.33	47.19	5.35	46.35	5.45	45.01	5.54	43.77	5.63
	50	47	44.03	4.62	42.90	4.65	42.14	4.73	40.92	4.81	39.79	4.89
	59	50	39.53	3.98	38.51	4.00	37.83	4.08	36.74	4.15	35.73	4.19
	68	59	34.93	3.40	34.03	3.42	33.43	3.48	32.46	3.53	31.57	3.58
	75	65	25.19	2.71	24.55	2.73	24.11	2.77	23.42	2.81	22.77	2.84
07 + 09 + 09 + 18	-13	-15	25.67	3.40	25.37	3.45	25.20	3.50	24.50	3.55	23.67	3.60
	-5	-7	31.24	3.94	30.43	3.99	29.69	4.07	29.09	4.12	28.19	4.18
	5	3	37.67	4.47	36.75	4.55	36.00	4.62	35.57	4.69	34.71	4.76
	14	12	42.61	5.10	41.54	5.18	38.94	5.27	39.51	5.36	38.42	5.44
	23	19	43.65	5.30	42.58	5.39	40.76	5.48	40.54	5.57	39.44	5.66
	32	28	46.08	5.45	44.90	5.54	43.95	5.63	42.69	5.73	41.58	5.82
	41	37	48.00	5.71	46.76	5.80	45.81	5.88	44.53	5.99	43.42	6.09
	47	43	49.92	5.46	48.64	5.49	47.78	5.58	46.40	5.68	45.12	5.77
	50	47	45.38	4.74	44.22	4.76	43.44	4.85	42.18	4.93	41.02	5.01
	59	50	40.74	4.07	39.70	4.09	39.00	4.17	37.87	4.24	36.83	4.29
07 + 09 + 09 + 18	68	59	36.00	3.47	35.08	3.50	34.46	3.55	33.47	3.61	32.54	3.66
	75	65	25.97	2.76	25.30	2.78	24.86	2.82	24.14	2.86	23.47	2.89
	-13	-15	25.67	3.40	25.37	3.45	25.20	3.50	24.50	3.55	23.67	3.60
	-5	-7	31.24	3.94	30.43	3.99	29.69	4.07	29.09	4.12	28.19	4.18
	5	3	37.67	4.47	36.75	4.55	36.00	4.62	35.57	4.69	34.71	4.76
	14	12	42.93	5.13	41.86	5.21	39.24	5.31	39.82	5.39	38.71	5.47
	23	19	44.32	5.37	43.23	5.46	41.38	5.54	41.16	5.64	40.04	5.73
	32	28	47.13	5.55	45.92	5.64	44.95	5.73	43.66	5.84	42.52	5.93
	41	37	49.45	5.85	48.17	5.94	47.19	6.03	45.88	6.14	44.73	6.24
	47	43	51.79	5.63	50.46	5.66	49.57	5.75	48.14	5.85	46.81	5.95
07 + 09 + 09 + 18	50	47	47.08	4.88	45.88	4.90	45.06	4.99	43.76	5.08	42.56	5.16
	59	50	42.27	4.19	41.19	4.21	40.46	4.29	39.29	4.36	38.21	4.41
	68	59	37.35	3.57	36.39	3.59	35.75	3.65	34.72	3.71	33.76	3.76
	75	65	26.94	2.82	26.25	2.85	25.79	2.89	25.04	2.93	24.35	2.96

Indoor unit connecting capacity	Outdoor temperature		Indoor temperature									
			60 °FDB		65 °FDB		70 °FDB		75 °FDB		78 °FDB	
	°FDB	°FWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
kBtu/h			kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
07 + 09 + 12 + 12	-13	-15	25.67	3.40	25.37	3.45	25.20	3.50	24.50	3.55	23.67	3.60
	-5	-7	31.24	3.94	30.43	3.99	29.69	4.07	29.09	4.12	28.19	4.18
	5	3	37.67	4.47	36.75	4.55	36.00	4.62	35.57	4.69	34.71	4.76
	14	12	42.80	5.12	41.73	5.20	39.12	5.29	39.69	5.38	38.60	5.46
	23	19	44.05	5.34	42.97	5.43	41.14	5.52	40.91	5.62	39.80	5.70
	32	28	46.71	5.51	45.51	5.60	44.55	5.69	43.27	5.80	42.15	5.89
	41	37	48.87	5.79	47.61	5.88	46.64	5.97	45.34	6.08	44.21	6.18
	47	43	51.04	5.56	49.74	5.59	48.85	5.69	47.45	5.78	46.14	5.88
	50	47	46.40	4.82	45.21	4.85	44.41	4.94	43.13	5.02	41.94	5.10
	59	50	41.66	4.14	40.59	4.16	39.87	4.24	38.72	4.32	37.65	4.37
	68	59	36.81	3.53	35.87	3.56	35.23	3.61	34.22	3.67	33.27	3.72
07 + 09 + 12 + 18	-13	-15	25.67	2.40	25.37	2.45	25.20	2.50	24.50	2.55	23.67	2.60
	-5	-7	31.24	2.94	30.43	2.99	29.69	3.07	29.09	3.12	28.19	3.18
	5	3	37.67	3.47	36.75	3.55	36.00	3.62	35.57	3.69	34.71	3.76
	14	12	43.19	4.15	42.12	4.24	39.48	4.33	40.06	4.42	38.95	4.50
	23	19	44.85	4.42	43.75	4.51	41.88	4.60	41.65	4.70	40.52	4.79
	32	28	47.97	4.63	46.74	4.72	45.75	4.82	44.43	4.93	43.28	5.02
	41	37	50.60	4.96	49.30	5.06	48.29	5.14	46.95	5.26	45.78	5.37
	47	43	53.29	4.76	51.92	4.79	51.00	4.89	49.53	4.99	48.16	5.09
	50	47	48.44	3.99	47.20	4.02	46.36	4.11	45.03	4.19	43.78	4.28
	59	50	43.49	3.28	42.37	3.30	41.62	3.38	40.42	3.46	39.31	3.51
	68	59	38.43	2.64	37.44	2.67	36.78	2.72	35.72	2.79	34.74	2.84
07 + 12 + 12 + 12	-13	-15	25.67	3.40	25.37	3.45	25.20	3.50	24.50	3.55	23.67	3.60
	-5	-7	31.24	3.94	30.43	3.99	29.69	4.07	29.09	4.12	28.19	4.18
	5	3	37.67	4.47	36.75	4.55	36.00	4.62	35.57	4.69	34.71	4.76
	14	12	42.93	5.13	41.86	5.21	39.24	5.31	39.82	5.39	38.71	5.47
	23	19	44.32	5.37	43.23	5.46	41.38	5.54	41.16	5.64	40.04	5.73
	32	28	47.13	5.55	45.92	5.64	44.95	5.73	43.66	5.84	42.52	5.93
	41	37	49.45	5.85	48.17	5.94	47.19	6.03	45.88	6.14	44.73	6.24
	47	43	51.79	5.63	50.46	5.66	49.57	5.75	48.14	5.85	46.81	5.95
	50	47	47.08	4.88	45.88	4.90	45.06	4.99	43.76	5.08	42.56	5.16
	59	50	42.27	4.19	41.19	4.21	40.46	4.29	39.29	4.36	38.21	4.41
	68	59	37.35	3.57	36.39	3.59	35.75	3.65	34.72	3.71	33.76	3.76
09 + 09 + 09 + 09	-13	-15	25.67	3.40	25.37	3.45	25.20	3.50	24.50	3.55	23.67	3.60
	-5	-7	31.24	3.94	30.43	3.99	29.69	4.07	29.09	4.12	28.19	4.18
	5	3	37.67	4.47	36.75	4.55	36.00	4.62	35.57	4.69	34.71	4.76
	14	12	42.34	5.07	41.29	5.15	38.71	5.25	39.27	5.33	38.18	5.41
	23	19	43.12	5.25	42.06	5.34	40.27	5.42	40.05	5.52	38.96	5.60
	32	28	45.25	5.37	44.08	5.46	43.15	5.54	41.91	5.65	40.82	5.74
	41	37	46.85	5.59	45.63	5.68	44.70	5.76	43.46	5.87	42.38	5.97
	47	43	48.43	5.33	47.19	5.35	46.35	5.45	45.01	5.54	43.77	5.63
	50	47	44.03	4.62	42.90	4.65	42.14	4.73	40.92	4.81	39.79	4.89
	59	50	39.53	3.98	38.51	4.00	37.83	4.08	36.74	4.15	35.73	4.19
	68	59	34.93	3.40	34.03	3.42	33.43	3.48	32.46	3.53	31.57	3.58
09 + 09 + 09 + 12	-13	-15	25.67	3.40	25.37	3.45	25.20	3.50	24.50	3.55	23.67	3.60
	-5	-7	31.24	3.94	30.43	3.99	29.69	4.07	29.09	4.12	28.19	4.18
	5	3	37.67	4.47	36.75	4.55	36.00	4.62	35.57	4.69	34.71	4.76
	14	12	42.61	5.10	41.54	5.18	38.94	5.27	39.51	5.36	38.42	5.44
	23	19	43.65	5.30	42.58	5.39	40.76	5.48	40.54	5.57	39.44	5.66
	32	28	46.08	5.45	44.90	5.54	43.95	5.63	42.69	5.73	41.58	5.82
	41	37	48.00	5.71	46.76	5.80	45.81	5.88	44.53	5.99	43.42	6.09
	47	43	49.92	5.46	48.64	5.49	47.78	5.58	46.40	5.68	45.12	5.77
	50	47	45.38	4.74	44.22	4.76	43.44	4.85	42.18	4.93	41.02	5.01
	59	50	40.74	4.07	39.70	4.09	39.00	4.17	37.87	4.24	36.83	4.29
	68	59	36.00	3.47	35.08	3.50	34.46	3.55	33.47	3.61	32.54	3.66
09 + 09 + 09 + 18	-13	-15	25.67	3.40	25.37	3.45	25.20	3.50	24.50	3.55	23.67	3.60
	-5	-7	31.24	3.94	30.43	3.99	29.69	4.07	29.09	4.12	28.19	4.18
	5	3	37.67	4.47	36.75	4.55	36.00	4.62	35.57	4.69	34.71	4.76
	14	12	42.93	5.13	41.86	5.21	39.24	5.31	39.82	5.39	38.71	5.47
	23	19	44.32	5.37	43.23	5.46	41.38	5.54	41.16	5.64	40.04	5.73
	32	28	47.13	5.55	45.92	5.64	44.95	5.73	43.66	5.84	42.52	5.93
	41	37	49.45	5.85	48.17	5.94	47.19	6.03	45.88	6.14	44.73	6.24
	47	43	51.79	5.63	50.46	5.66	49.57	5.75	48.14	5.85	46.81	5.95
	50	47	47.08	4.88	45.88	4.90	45.06	4.99	43.76	5.08	42.56	5.16
	59	50	42.27	4.19	41.19	4.21	40.46	4.29	39.29	4.36	38.21	4.41
	68	59	37.35	3.57	36.39	3.59	35.75	3.65	34.72	3.71	33.76	3.76
09 + 09 + 12 + 12	-13	-15	25.67	3.40	25.37	3.45	25.20	3.50	24.50	3.55	23.67	3.60
	-5	-7	31.24	3.94	30.43	3.99	29.69	4.07	29.09	4.12	28.19	4.18
	5	3	37.67	4.47	36.75	4.55	36.00	4.62	35.57	4.69	34.71	4.76
	14	12	42.80	5.12	41.73	5.20	39.12	5.29	39.69	5.38	38.60	5.46
	23	19	44.05	5.34	42.97	5.43	41.14	5.52	40.91	5.62	39.80	5.70
	32	28	46.71	5.51	45.51	5.60	44.55	5.69	43.27	5.80	42.15	5.89
	41	37	48.87	5.79	47.61	5.88	46.64	5.97	45.34	6.08	44.21	6.18
	47	43	51.04	5.56	49.74	5.59	48.85	5.69	47.45	5.78	46.14	5.88
	50	47	46.40	4.82	45.21	4.85	44.41	4.94	43.13	5.02	41.94	5.10
	59	50	41.66	4.14	40.59	4.16	39.87	4.24	38.72	4.32	37.65	4.37
	68	59	36.81	3.53	35.87	3.56	35.23	3.61	34.22	3.67	33.27	3.72
	75	65	26.55	2.80	25.87	2.82	25.41	2.86	24.68	2.90	24.00	2.94

Indoor unit connecting capacity	Outdoor temperature		Indoor temperature									
			60 °FDB		65 °FDB		70 °FDB		75 °FDB		78 °FDB	
			TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
kBtu/h	°FDB	°FWB	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
09 + 12 + 12 + 12	-13	-15	25.67	3.40	25.37	3.45	25.20	3.50	24.50	3.55	23.67	3.60
	-5	-7	31.24	3.94	30.43	3.99	29.69	4.07	29.09	4.12	28.19	4.18
	5	3	37.67	4.47	36.75	4.55	36.00	4.62	35.57	4.69	34.71	4.76
	14	12	42.93	5.13	41.86	5.21	39.24	5.31	39.82	5.39	38.71	5.47
	23	19	44.32	5.37	43.23	5.46	41.38	5.54	41.16	5.64	40.04	5.73
	32	28	47.13	5.55	45.92	5.64	44.95	5.73	43.66	5.84	42.52	5.93
	41	37	49.45	5.85	48.17	5.94	47.19	6.03	45.88	6.14	44.73	6.24
	47	43	51.79	5.63	50.46	5.66	49.57	5.75	48.14	5.85	46.81	5.95
	50	47	47.08	4.88	45.88	4.90	45.06	4.99	43.76	5.08	42.56	5.16
	59	50	42.27	4.19	41.19	4.21	40.46	4.29	39.29	4.36	38.21	4.41
	68	59	37.35	3.57	36.39	3.59	35.75	3.65	34.72	3.71	33.76	3.76
	75	65	26.94	2.82	26.25	2.85	25.79	2.89	25.04	2.93	24.35	2.96

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]
 - Indoor unit fan speed: HIGH
- 2 or more indoor units should be connected.
- The total ability of connected a indoor unit is from 30,000 Btu/h up to 46,000 Btu/h.
- Input in the table are calculated based on the maximum indoor unit input combinations.
- Capacity loss due to white frost and defrost operation is not included.

6-4. Model: WHP42M5A21S

Cooling

- TC: Total Capacity (Gross)
- SHC: Sensible Heat Capacity (Gross)
- IP: Input Power (Including the compressor, evaporator fan motor, and condenser fan motor)

Indoor unit connecting capacity	Outdoor temperature		Indoor temperature																	
			64 °FDB/54 °FWB			70 °FDB/60 °FWB			75 °FDB/63 °FWB			80 °FDB/67 °FWB			85 °FDB/71 °FWB			90 °FDB/73 °FWB		
			TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
kBtu/h	°FDB	°FWB	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
07 + 09 + 18	14	12	27.94	22.43	1.73	31.63	22.40	1.77	33.36	24.75	1.77	35.75	25.40	1.79	38.25	26.40	1.81	39.44	29.23	1.83
	23	21	27.43	21.88	1.88	31.04	21.85	1.90	32.75	24.14	1.92	35.10	25.34	1.94	37.55	25.94	1.97	38.72	28.88	1.97
	32	28	27.21	21.69	1.99	30.77	21.66	2.03	32.49	23.98	2.05	34.78	25.12	2.07	37.20	25.73	2.08	38.44	28.61	2.10
	41	37	26.87	21.54	2.22	30.40	21.51	2.26	32.08	23.77	2.28	34.37	24.96	2.29	36.77	25.54	2.31	37.91	28.44	2.33
	50	47	27.10	21.64	2.54	30.68	21.63	2.54	32.37	23.89	2.57	34.68	25.09	2.61	37.10	25.69	2.63	38.26	28.58	2.65
	59	50	28.63	22.36	2.76	32.42	22.33	2.82	34.20	24.68	2.86	36.63	25.91	2.86	39.19	27.11	2.90	40.42	29.51	2.92
	67	53	34.66	25.45	3.37	39.22	25.41	3.42	41.36	28.07	3.45	44.33	29.47	3.49	47.41	30.88	3.54	48.88	33.57	3.56
	77	62	33.61	25.03	3.87	38.03	25.00	3.95	40.10	27.61	3.99	42.97	29.00	4.03	45.96	30.18	4.07	47.39	33.03	4.09
	87	69	32.72	24.61	4.30	37.03	24.58	4.38	39.05	27.16	4.42	41.85	28.53	4.46	44.77	29.18	4.51	46.17	32.48	4.53
	95	75	31.80	23.61	4.48	35.98	23.58	4.57	37.96	26.05	4.61	40.02	27.35	4.65	43.50	27.99	4.71	44.85	31.16	4.72
	104	78	26.97	21.58	4.10	30.54	21.57	4.18	32.21	23.83	4.20	34.51	25.02	4.26	36.93	25.61	4.30	38.08	28.51	4.32
07 + 09 + 24	115	80	19.86	18.98	3.54	22.49	18.95	3.60	23.72	20.95	3.64	25.42	22.00	3.68	27.21	22.52	3.72	28.06	25.08	3.74
	14	12	28.97	23.25	1.79	32.79	23.22	1.83	34.58	25.66	1.83	37.06	26.33	1.85	39.65	27.37	1.87	40.88	30.30	1.89
	23	21	28.44	22.68	1.95	32.18	22.65	1.97	33.95	25.02	1.99	36.38	26.27	2.01	38.92	26.89	2.05	40.14	29.94	2.05
	32	28	28.20	22.48	2.07	31.90	22.45	2.10	33.68	24.85	2.12	36.05	26.04	2.14	38.56	26.67	2.16	39.84	29.65	2.18
	41	37	27.85	22.33	2.30	31.51	22.30	2.34	33.25	24.64	2.36	35.63	25.87	2.38	38.12	26.47	2.40	39.29	29.48	2.42
	50	47	28.09	22.44	2.59	31.80	22.42	2.64	33.55	24.76	2.66	35.95	26.01	2.70	38.46	26.63	2.73	39.66	29.63	2.75
	59	50	29.68	23.18	2.86	33.60	23.14	2.92	35.45	25.58	2.96	37.97	26.86	2.96	40.63	28.10	3.00	41.90	30.58	3.02
	67	53	35.93	26.38	3.49	40.66	26.34	3.54	42.88	29.09	3.58	45.95	30.55	3.61	49.15	32.01	3.67	50.67	34.80	3.69
	77	62	34.84	25.95	4.01	39.42	25.91	4.09	41.57	28.62	4.13	44.54	30.06	4.17	47.64	31.28	4.21	49.12	34.23	4.23
	87	69	33.92	25.52	4.46	38.39	25.48	4.54	40.48	28.16	4.58	43.38	29.57	4.62	46.41	30.25	4.68	47.86	33.67	4.70
	95	75	32.97	24.47	4.65	37.30	24.44	4.74	39.35	27.00	4.78	41.48	28.35	4.82	45.09	29.01	4.88	46.49	32.30	4.90
07 + 12 + 18	104	78	27.96	22.37	4.25	31.66	22.36	4.33	33.39	24.70	4.35	35.77	25.93	4.42	38.28	26.55	4.46	39.47	29.55	4.48
	115	80	20.58	19.68	3.67	23.32	19.65	3.73	23.58	21.71	3.77	26.35	22.81	3.81	28.20	23.34	3.85	29.09	25.99	3.87
	14	12	28.54	22.91	1.77	32.30	22.88	1.81	34.07	25.28	1.81	36.52	25.95	1.83	39.07	26.97	1.85	40.28	29.86	1.87
	23	21	28.02	22.35	1.92	31.70	22.32	1.94	33.45	24.66	1.96	35.85	25.89	1.98	38.35	26.49	2.02	39.55	29.50	2.02
	32	28	27.79	22.15	2.04	31.43	22.12	2.07	33.19	24.49	2.09	35.52	25.66	2.11	37.99	26.28	2.13	39.26	29.22	2.15
	41	37	27.44	22.00	2.26	31.05	21.97	2.30	32.76	24.28	2.32	35.10	25.49	2.34	37.56	26.08	2.36	38.71	29.04	2.38
	50	47	27.68	22.11	2.55	31.33	22.09	2.60	33.06	24.40	2.62	35.42	25.63	2.66	37.89	26.23	2.69	39.08	29.19	2.71
	59	50	29.24	22.83	2.82	33.11	22.80	2.88	34.93	25.20	2.92	37.42	26.46	2.92	40.03	27.69	2.96	41.28	30.14	2.98
	67	53	35.40	25.99	3.44	40.06	25.96	3.49	42.25	28.67	3.53	45.27	30.10	3.56	48.42	31.54	3.61	49.93	34.28	3.63
	77	62	34.32	25.56	3.95	38.84	25.53	4.03	40.95	28.20	4.07	43.89	29.62	4.11	46.94	30.82	4.15	48.40	33.73	4.17
	87	69	33.42	25.14	4.39	37.82	25.11	4.47	39.89	27.74	4.51	42.75	29.13	4.55	45.72	29.81	4.61	47.15	33.18	4.63
07 + 12 + 24	95	75	32.48	24.11	4.58	36.75	24.08	4.67	38.77	26.60	4.71	40.87	27.93	4.75	44.42	28.59	4.81	45.81	31.82	4.82
	104	78	27.55	22.05	4.19	31.19	22.03	4.27	32.90	24.34	4.29	35.25	25.55	4.35	37.72	26.16	4.39	38.89	29.12	4.42
	115	80	20.28	19.39	3.62	22.97	19.36	3.68	24.22	21.39	3.72	25.97	22.47	3.76	27.79	23.00	3.79	28.66	25.61	3.81
	14	12	29.48	23.66	1.83	33.37	23.63	1.87	35.19	26.11	1.87	37.71	26.80	1.89	40.35	27.85	1.91	41.60	30.84	1.93
	23	21	28.94	23.08	1.98	32.74	23.05	2.00	34.55	25.47	2.02	37.02	26.74	2.04	39.61	27.36	2.08	40.84	30.47	2.08
	32	28	28.70	22.88	2.10	32.46	22.85	2.14	34.28	25.29	2.16	36.69	26.50	2.18	39.24	27.14	2.20	40.54	30.18	2.22
	41	37	28.34	22.72	2.34	32.07	22.69	2.38	33.84	25.07	2.40	36.26	26.33	2.42	38.79	26.94	2.44	39.99	30.00	2.46
	50	47	28.58	22.83	2.64	32.36	22.82	2.68	34.15	25.20	2.71	36.58	26.47	2.75	39.14	27.10	2.77	40.36	30.15	2.80
	59	50	30.20	23.58	2.91	34.20	23.55	2.98	36.08	26.03	3.02	38.64	27.33	3.02	41.34	28.60	3.06	42.64	31.12	3.08
	67	53	36.57	26.84	3.55	41.38	26.81	3.61	43.63	29.61	3.64	46.76	31.09	3.68	50.01	32.58	3.73	51.57	35.41	3.75
	77	62	35.45	26.40	4.08	40.12	26.37	4.17	42.30	29.12	4.21	45.33	30.59	4.25	48.49	31.83	4.29	49.99	34.84	4.31
07 + 18 + 24	87	69	34.51	25.97	4.54	39.07	25.93	4.62	41.20	28.66	4.66	44.15	30.09	4.70	47.22	30.78	4.76	48.70	34.27	4.78
	95	75	33.55	24.91	4.73	37.96	24.88	4.83	40.04	27.48	4.87	42.21	28.85	4.90	45.88	29.53	4.96	47.31	32.87	4.98
	104	78	28.45	22.77	4.32	32.22	22.75	4.41	33.98	25.14	4.43	36.40	26.39	4.50	38.96	27.02	4.54	40.17	30.07	4.56
	115	80	20.95	20.03	3.73	23.73	19.99	3.80	25.02	22.10	3.84	26.82	23.21	3.88	28.70	23.76	3.92	29.60	26.45	3.94
	14	12	33.88	27.85	1.90	38.34	27.82	1.94	40.44	30.73	1.94	43.34	32.03	1.94	46.37	32.79	1.99	47.81	36.30	2.01
	23	21	33.26	27.17	2.06	37.63	27.13	2.09	39.71	29.98	2.11	42.55	31.47	2.11	45.52	32.21	2.17	46.94	35.86	2.17
	32	28	32.98	26.93	2.19	37.31	26.90	2.23	39.39	29.77	2.25	42.17	31.19	2.25	45.10	31.95	2.29	46.59	35.52	2.31
	41	37	32.57	26.75	2.49	36.85	26.71	2.54	38.88	29.51	2.56	41.67	30.99	2.56	44.58	31.71	2.60	45.95	35.31	2.63
	50	47	32.85	26.88	2.82	37.19	26.86	2.87	39.24	29.66	2.89	42.04	31.16	2.89	44.98	31.90	2.96	46.39	35.49	2.99
	59	50	34.71	27.76	3.19	39.30	27.72	3.26	41.46	30.64	3.30									

Indoor unit connecting capacity	Outdoor temperature		Indoor temperature																			
			64 °FDB/54 °FWB			70 °FDB/60 °FWB			75 °FDB/63 °FWB			80 °FDB/67 °FWB			85 °FDB/71 °FWB			90 °FDB/73 °FWB				
			TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP		
kBtu/h	°FDB	°FWB	kBtu/h		kW		kBtu/h		kW		kBtu/h		kW		kBtu/h		kW		kBtu/h		kW	
09 + 09 + 24	14	12	28.97	23.25	1.79	32.79	23.22	1.83	34.58	25.66	1.83	37.06	26.33	1.85	39.65	27.37	1.87	40.88	30.30	1.89		
	23	21	28.44	22.68	1.95	32.18	22.65	1.97	33.95	25.02	1.99	36.38	26.27	2.01	38.92	26.89	2.05	40.14	29.94	2.05		
	32	28	28.20	22.48	2.07	31.90	22.45	2.10	33.68	24.85	2.12	36.05	26.04	2.14	38.56	26.67	2.16	39.84	29.65	2.18		
	41	37	27.85	22.33	2.30	31.51	22.30	2.34	33.25	24.64	2.36	35.63	25.87	2.38	38.12	26.47	2.40	39.29	29.48	2.42		
	50	47	28.09	22.44	2.59	31.80	22.42	2.64	33.55	24.76	2.66	35.95	26.01	2.70	38.46	26.63	2.73	39.66	29.63	2.75		
	59	50	29.68	23.18	2.86	33.60	23.14	2.92	35.45	25.58	2.96	37.97	26.86	2.96	40.63	28.10	3.00	41.90	30.58	3.02		
	67	53	35.93	26.38	3.49	40.66	26.34	3.54	42.88	29.09	3.58	45.95	30.55	3.61	49.15	32.01	3.67	50.67	34.80	3.69		
	77	62	34.84	25.95	4.01	39.42	25.91	4.09	41.57	28.62	4.13	44.54	30.06	4.17	47.64	31.28	4.21	49.12	34.23	4.23		
	87	69	33.92	25.52	4.46	38.39	25.48	4.54	40.48	28.16	4.58	43.38	29.57	4.62	46.41	30.25	4.68	47.86	33.67	4.70		
	95	75	32.97	24.47	4.65	37.30	24.44	4.74	39.35	27.00	4.78	41.48	28.35	4.82	45.09	29.01	4.88	46.49	32.30	4.90		
	104	78	27.96	22.37	4.25	31.66	22.36	4.33	33.39	24.70	4.35	35.77	25.93	4.42	38.28	26.55	4.46	39.47	29.55	4.48		
115	80	20.58	19.68	3.67	23.32	19.65	3.73	24.58	21.71	3.77	26.35	22.81	3.81	28.20	23.34	3.85	29.09	25.99	3.87			
09 + 12 + 18	14	12	28.11	22.57	1.74	31.82	22.54	1.78	33.56	24.90	1.78	35.97	25.56	1.80	38.48	26.57	1.82	39.68	29.41	1.84		
	23	21	27.60	22.02	1.89	31.23	21.99	1.91	32.95	24.29	1.93	35.31	25.50	1.95	37.78	26.10	1.99	38.96	29.06	1.99		
	32	28	27.37	21.82	2.01	30.96	21.79	2.04	32.69	24.12	2.06	34.99	25.27	2.08	37.43	25.89	2.10	38.67	28.78	2.12		
	41	37	27.03	21.67	2.23	30.59	21.64	2.27	32.27	23.91	2.29	34.58	25.11	2.31	37.00	25.69	2.33	38.14	28.61	2.35		
	50	47	27.26	21.78	2.52	30.87	21.76	2.56	32.57	24.03	2.58	34.89	25.24	2.62	37.33	25.84	2.65	38.50	28.76	2.67		
	59	50	28.81	22.49	2.78	32.61	22.46	2.84	34.41	24.83	2.88	36.86	26.07	2.88	39.43	27.28	2.92	40.66	29.69	2.94		
	67	53	34.88	25.60	3.39	39.46	25.57	3.44	41.62	28.24	3.47	44.60	29.65	3.51	47.70	31.07	3.56	49.18	33.77	3.58		
	77	62	33.81	25.18	3.89	38.26	25.15	3.97	40.34	27.78	4.01	43.23	29.17	4.05	46.24	30.36	4.09	47.68	33.23	4.11		
	87	69	32.92	24.76	4.33	37.26	24.73	4.40	39.29	27.33	4.44	42.11	28.70	4.48	45.04	29.36	4.54	46.45	32.68	4.56		
	95	75	32.00	23.75	4.51	36.20	23.72	4.60	38.19	26.21	4.64	40.26	27.51	4.68	43.76	28.16	4.73	45.12	31.35	4.75		
	104	78	27.14	21.72	4.12	30.73	21.70	4.21	32.41	23.97	4.23	34.72	25.17	4.29	37.15	25.77	4.33	38.31	28.68	4.35		
115	80	19.98	19.10	3.56	22.63	19.07	3.62	23.86	21.07	3.66	25.58	22.13	3.70	27.37	22.66	3.74	28.23	25.23	3.76			
09 + 12 + 24	14	12	29.48	23.66	1.83	33.37	23.63	1.87	35.19	26.11	1.87	37.71	26.80	1.89	40.35	27.85	1.91	41.60	30.84	1.93		
	23	21	28.94	23.08	1.98	32.74	23.05	2.00	34.55	25.47	2.02	37.02	26.74	2.04	39.61	27.36	2.08	40.84	30.47	2.08		
	32	28	28.70	22.88	2.10	32.46	22.85	2.14	34.28	25.29	2.16	36.69	26.50	2.18	39.24	27.14	2.20	40.54	30.18	2.22		
	41	37	28.34	22.72	2.34	32.07	22.69	2.38	33.84	25.07	2.40	36.26	26.33	2.42	38.79	26.94	2.44	39.99	30.00	2.46		
	50	47	28.58	22.83	2.64	32.36	22.82	2.68	34.15	25.20	2.71	36.58	26.47	2.75	39.14	27.10	2.77	40.36	30.15	2.80		
	59	50	30.20	23.58	2.91	34.20	23.55	2.98	36.08	26.03	3.02	38.64	27.33	3.02	41.34	28.60	3.06	42.64	31.12	3.08		
	67	53	36.57	26.84	3.55	41.38	26.81	3.61	43.63	29.61	3.64	46.76	31.09	3.68	50.01	32.58	3.73	51.57	35.41	3.75		
	77	62	35.45	26.40	4.08	40.12	26.37	4.17	42.30	29.12	4.21	45.33	30.59	4.25	48.49	31.83	4.29	49.99	34.84	4.31		
	87	69	34.51	25.97	4.54	39.07	25.93	4.62	41.20	28.66	4.66	44.15	30.09	4.70	47.22	30.78	4.76	48.70	34.27	4.78		
	95	75	33.55	24.91	4.73	37.96	24.88	4.83	40.04	27.48	4.87	42.21	28.85	4.90	45.88	29.53	4.96	47.31	32.87	4.98		
	104	78	28.45	22.77	4.32	32.22	22.75	4.41	33.98	25.14	4.43	36.40	26.39	4.50	38.96	27.02	4.54	40.17	30.07	4.56		
115	80	20.95	20.03	3.73	23.73	19.99	3.80	25.02	22.10	3.84	26.82	23.21	3.88	28.70	23.76	3.92	29.60	26.45	3.94			
09 + 18 + 24	14	12	33.88	27.85	1.90	38.34	27.82	1.94	40.44	30.73	1.94	43.34	32.03	1.94	46.37	32.79	1.99	47.81	36.30	2.01		
	23	21	33.26	27.17	2.06	37.63	27.13	2.09	39.71	29.98	2.11	42.55	31.47	2.11	45.52	32.21	2.17	46.94	35.86	2.17		
	32	28	32.98	26.93	2.19	37.31	26.90	2.23	39.39	29.77	2.25	42.17	31.19	2.25	45.10	31.95	2.29	46.59	35.52	2.31		
	41	37	32.57	26.75	2.49	36.85	26.71	2.54	38.88	29.51	2.56	41.67	30.99	2.56	44.58	31.71	2.60	45.95	35.31	2.63		
	50	47	32.85	26.88	2.82	37.19	26.86	2.87	39.24	29.66	2.89	42.04	31.16	2.89	44.98	31.90	2.92	46.39	35.49	2.99		
	59	50	34.71	27.76	3.19	39.30	27.72	3.26	41.46	30.64	3.30	44.41	32.17	3.30	47.51	33.66	3.35	49.00	36.64	3.37		
	67	53	42.02	31.60	3.70	47.55	31.56	3.75	50.14	34.85	3.79	53.74	36.59	3.79	57.48	38.35	3.88	59.26	41.68	3.90		
	77	62	40.74	31.08	4.25	46.10	31.04	4.33	48.61	34.28	4.38	52.09	36.01	4.38	55.72	37.47	4.46	57.45	41.01	4.48		
	87	69	39.66	30.56	4.82	44.89	30.53	4.91	47.34	33.73	4.95	50.74	35.42	4.95	54.27	36.24	5.06	55.97	40.34	5.09		
	95	75	38.55	29.32	5.19	43.62	29.28	5.30	46.02	32.34	5.35	48.51	33.96	5.35	52.73	34.75	5.45	54.37	38.69	5.48		
	104	78	32.70	26.80	4.71	37.02	26.78	4.81	39.05	29.59	4.83	41.84	31.06	4.83	44.77	31.80	4.95	46.16	35.40	4.97		
115	80	24.07	23.57	3.78	27.27	23.54	3.84	28.75	26.01	3.88	30.82	27.32	3.88	32.98	27.96	3.96	34.02	31.14	3.98			
12 + 12 + 18	14	12	28.97	23.25	1.79	32.79	23.22	1.83	34.58	25.66	1.83	37.06	26.33	1.85	39.65	27.37	1.87	40.88	30.30	1.89		
	23	21	28.44	22.68	1.95	32.18	22.65	1.97	33.95	25.02	1.99	36.38	26.27	2.01	38.92	26.89	2.05	40.14	29.94	2.05		
	32	28	28.20	22.48	2.07	31.90	22.45	2.10	33.68	24.85	2.12	36.05	26.04	2.14	38.56	26.67	2.16	39.84	29.65	2.18		
	41	37	27.85	22.33	2.30	31.51	22.30	2.34	33.25	24.64	2.36	35.63	25.87									

Indoor unit connecting capacity	Outdoor temperature		Indoor temperature																	
			64 °FDB/54 °FWB			70 °FDB/60 °FWB			75 °FDB/63 °FWB			80 °FDB/67 °FWB			85 °FDB/71 °FWB			90 °FDB/73 °FWB		
			TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
kBtu/h	°FDB	°FWB	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW
07 + 07 + 07 + 18	14	12	30.48	25.06	1.71	34.50	25.03	1.75	36.38	27.65	1.75	38.99	28.81	1.75	41.72	29.50	1.79	43.01	32.66	1.81
	23	21	29.92	24.44	1.86	33.85	24.41	1.88	35.72	26.97	1.89	38.28	28.31	1.89	40.95	28.98	1.95	42.23	32.26	1.95
	32	28	29.67	24.23	1.97	33.56	24.20	2.00	35.44	26.78	2.02	37.93	28.06	2.02	40.57	28.75	2.06	41.92	31.96	2.07
	41	37	29.30	24.06	2.24	33.16	24.03	2.28	34.98	26.55	2.30	37.49	27.88	2.30	40.11	28.53	2.34	41.34	31.77	2.36
	50	47	29.55	24.18	2.53	33.46	24.16	2.58	35.30	26.69	2.60	37.82	28.03	2.60	40.46	28.69	2.67	41.73	31.93	2.69
	59	50	31.23	24.98	2.87	35.35	24.94	2.93	37.30	27.57	2.97	39.95	28.94	2.97	42.75	30.29	3.01	44.08	32.96	3.03
	67	53	37.81	28.43	3.32	42.78	28.39	3.38	45.11	31.35	3.41	48.34	32.92	3.41	51.71	34.50	3.49	53.32	37.50	3.51
	77	62	36.65	27.96	3.82	41.48	27.93	3.90	43.73	30.84	3.94	46.86	32.39	3.94	50.13	33.71	4.01	51.68	36.89	4.03
	87	69	35.68	27.50	4.34	40.39	27.46	4.42	42.59	30.35	4.46	45.65	31.87	4.46	48.82	32.60	4.56	50.35	36.29	4.57
	95	75	34.68	26.38	4.67	39.24	26.34	4.77	41.40	29.10	4.81	43.64	30.55	4.81	47.44	31.27	4.91	48.91	34.81	4.93
	104	78	29.42	24.11	4.24	33.31	24.10	4.32	35.13	26.62	4.35	37.64	27.95	4.35	40.28	28.61	4.45	41.53	31.85	4.47
07 + 07 + 07 + 24	115	80	21.66	21.21	3.40	24.53	21.17	3.45	25.87	23.40	3.49	27.73	24.58	3.49	29.67	25.16	3.57	30.60	28.01	3.58
	14	12	33.17	27.28	1.86	37.55	27.24	1.90	39.60	30.09	1.90	42.44	31.36	1.90	45.41	32.11	1.95	46.82	35.55	1.97
	23	21	32.57	26.61	2.02	36.85	26.57	2.04	38.88	29.35	2.06	41.66	30.82	2.06	44.57	31.54	2.12	45.96	35.12	2.12
	32	28	32.30	26.37	2.14	36.53	26.34	2.18	38.57	29.15	2.20	41.29	30.54	2.20	44.16	31.29	2.24	45.63	34.78	2.26
	41	37	31.89	26.19	2.44	36.09	26.16	2.49	38.08	28.90	2.51	40.80	30.35	2.51	43.65	31.05	2.55	45.00	34.58	2.57
	50	47	32.17	26.32	2.76	36.42	26.30	2.81	38.43	29.05	2.83	41.17	30.51	2.83	44.04	31.23	2.90	45.42	34.76	2.93
	59	50	33.99	27.19	3.12	38.48	27.15	3.19	40.60	30.00	3.23	43.49	31.50	3.23	46.53	32.97	3.28	47.98	35.88	3.30
	67	53	41.15	30.94	3.62	46.56	30.90	3.67	49.10	34.13	3.71	52.62	35.83	3.71	56.28	37.55	3.80	58.03	40.82	3.82
	77	62	39.90	30.44	4.16	45.14	30.40	4.24	47.60	33.57	4.29	51.01	35.26	4.29	54.56	36.69	4.37	56.26	40.16	4.39
	87	69	38.84	29.93	4.72	43.96	29.89	4.81	46.36	33.03	4.85	49.68	34.69	4.85	53.14	35.48	4.96	54.81	39.50	4.98
	95	75	37.75	28.71	5.09	42.72	28.67	5.19	45.06	31.67	5.24	47.50	33.25	5.24	51.63	34.03	5.34	53.24	37.88	5.36
07 + 07 + 09 + 12	104	78	32.02	26.25	4.62	36.25	26.23	4.71	38.24	28.97	4.73	40.97	30.42	4.73	43.84	31.14	4.84	45.20	34.67	4.87
	115	80	23.57	23.08	3.70	26.70	23.05	3.76	28.16	25.47	3.80	30.18	26.75	3.80	32.30	27.38	3.88	33.31	30.49	3.90
	14	12	27.35	22.49	1.54	30.96	22.46	1.57	32.65	24.81	1.57	34.99	25.86	1.57	37.44	26.47	1.60	38.60	29.31	1.62
	23	21	26.85	21.94	1.67	30.38	21.91	1.68	32.06	24.20	1.70	34.35	25.41	1.70	36.75	26.00	1.75	37.90	28.95	1.75
	32	28	26.63	21.74	1.77	30.12	21.71	1.80	31.80	24.04	1.81	34.04	25.18	1.81	36.41	25.80	1.85	37.62	28.68	1.86
	41	37	26.29	21.59	2.01	29.76	21.57	2.05	31.39	23.83	2.07	33.64	25.02	2.07	35.99	25.60	2.10	37.10	28.51	2.12
	50	47	26.52	21.70	2.27	30.03	21.68	2.31	31.68	23.95	2.33	33.94	25.16	2.33	36.31	25.75	2.39	37.45	28.66	2.41
	59	50	28.03	22.41	2.58	31.73	22.38	2.63	33.47	24.74	2.67	35.86	25.98	2.67	38.36	27.18	2.70	39.56	29.58	2.72
	67	53	33.93	25.51	2.98	38.39	25.48	3.03	40.49	28.14	3.06	43.38	29.54	3.06	46.41	30.96	3.14	47.85	33.65	3.15
	77	62	32.89	25.09	3.43	37.22	25.06	3.50	39.25	27.68	3.53	42.06	29.07	3.53	44.99	30.25	3.60	46.38	33.11	3.62
	87	69	32.02	24.68	3.89	36.25	24.65	3.96	38.22	27.23	4.00	40.96	28.60	4.00	43.82	29.26	4.09	45.19	32.57	4.11
07 + 07 + 09 + 18	95	75	31.13	23.67	4.19	35.22	23.64	4.28	37.15	26.11	4.32	39.17	27.42	4.32	42.57	28.06	4.40	43.90	31.24	4.42
	104	78	26.40	21.64	3.81	29.89	21.62	3.88	31.53	23.89	3.90	33.78	25.08	3.90	36.15	25.68	3.99	37.27	28.58	4.01
	115	80	19.43	19.03	3.05	22.01	19.00	3.10	23.21	21.00	3.13	24.88	22.06	3.13	26.63	22.58	3.20	27.46	25.14	3.22
	14	12	32.04	26.34	1.80	36.27	26.31	1.84	38.25	29.07	1.84	40.99	30.29	1.84	43.86	31.01	1.88	45.22	34.33	1.90
	23	21	31.45	25.70	1.95	35.59	25.66	1.97	37.55	28.35	1.99	40.24	29.76	1.99	43.05	30.46	2.05	44.39	33.92	2.05
	32	28	31.19	25.47	2.07	35.28	25.44	2.11	37.26	28.16	2.12	39.88	29.50	2.12	42.65	30.22	2.16	44.07	33.60	2.18
	41	37	30.80	25.30	2.36	34.86	25.26	2.40	36.78	27.91	2.42	39.41	29.31	2.42	42.16	29.99	2.46	43.46	33.39	2.48
	50	47	31.07	25.42	2.66	35.18	25.40	2.71	37.11	28.05	2.73	39.76	29.47	2.73	42.54	30.17	2.80	43.87	33.57	2.83
	59	50	32.83	26.26	3.02	37.17	26.22	3.08	39.21	28.98	3.12	42.00	30.43	3.12	44.94	31.84	3.17	46.34	34.65	3.19
	67	53	39.75	29.88	3.49	44.97	29.85	3.55	47.43	32.96	3.58	50.82	34.61	3.58	54.36	36.27	3.67	56.05	39.42	3.69
	77	62	38.53	29.40	4.02	43.60	29.36	4.10	45.98	32.42	4.14	49.27	34.05	4.14	52.70	35.44	4.22	54.34	38.79	4.24
07 + 07 + 09 + 24	87	69	37.51	28.91	4.56	42.46	28.87	4.64	44.78	31.90	4.69	47.99	33.50	4.69	51.33	34.27	4.79	52.93	38.15	4.81
	95	75	36.46	27.73	4.91	41.26	27.69	5.02	43.52	30.59	5.06	45.88	32.12	5.06	49.87	32.87	5.16	51.42	36.59	5.18
	104	78	30.93	25.35	4.46	35.02	25.33	4.55	36.94	27.98	4.57	39.57	29.38	4.57	42.34	30.08	4.68	43.66	33.48	4.70
	115	80	22.77	22.30	3.57	25.79	22.26	3.63	27.19	24.60	3.67	29.15	25.84	3.67	31.19	26.45	3.75	32.17	29.45	3.77
	14	12	33.41	27.47	1.88	37.81	27.43	1.92	39.88	30.31	1.92	42.74	31.58	1.92	45.73	32.33	1.96	47.15	35.80	1.98
	23	21	32.80	26.80	2.04	37.11	26.76	2.06	39.16	29.56	2.08	41.96	31.04	2.08	44.89	31.76	2.14	46.29	35.37	2.14
	32	28	32.53	26.56	2.16	36.79	26.52	2.20	38.85	29.36	2.21	41.58	30.76	2.21	44.47	31.51	2.25	45.95	35.03	2.27
	41	37	32.12	26.38	2.46	36.34														

Indoor unit connecting capacity	Outdoor temperature		Indoor temperature																	
			64 °FDB/54 °FWB			70 °FDB/60 °FWB			75 °FDB/63 °FWB			80 °FDB/67 °FWB			85 °FDB/71 °FWB			90 °FDB/73 °FWB		
			TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
kBtu/h	°FDB	°FWB	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
07 + 07 + 12 + 24	14	12	33.76	27.76	1.89	38.21	27.72	1.94	40.30	30.63	1.94	43.19	31.92	1.94	46.21	32.67	1.98	47.64	36.17	2.00
	23	21	33.14	27.08	2.06	37.50	27.04	2.08	39.57	29.87	2.10	42.40	31.36	2.10	45.36	32.10	2.16	46.78	35.74	2.16
	32	28	32.87	26.84	2.18	37.18	26.80	2.22	39.26	29.67	2.24	42.02	31.08	2.24	44.94	31.84	2.28	46.43	35.40	2.30
	41	37	32.46	26.65	2.49	36.73	26.62	2.53	38.75	29.41	2.55	41.52	30.88	2.55	44.43	31.60	2.59	45.79	35.19	2.62
	50	47	32.74	26.78	2.81	37.06	26.76	2.86	39.11	29.56	2.88	41.90	31.05	2.88	44.82	31.78	2.95	46.22	35.37	2.98
	59	50	34.59	27.67	3.18	39.16	27.63	3.25	41.32	30.53	3.29	44.26	32.06	3.29	47.35	33.55	3.34	48.83	36.51	3.36
	67	53	41.88	31.49	3.68	47.39	31.45	3.74	49.97	34.73	3.78	53.55	36.47	3.78	57.28	38.22	3.87	59.06	41.54	3.89
	77	62	40.60	30.97	4.23	45.94	30.94	4.32	48.44	34.16	4.36	51.91	35.88	4.36	55.53	37.34	4.45	57.25	40.87	4.47
	87	69	39.53	30.46	4.81	44.74	30.42	4.89	47.18	33.61	4.94	50.56	35.30	4.94	54.08	36.11	5.05	55.77	40.20	5.07
	95	75	38.42	29.22	5.18	43.47	29.18	5.28	45.86	32.23	5.33	48.34	33.84	5.33	52.55	34.63	5.44	54.18	38.55	5.46
	104	78	32.59	26.71	4.70	36.90	26.69	4.79	38.92	29.49	4.81	41.69	30.96	4.81	44.61	31.69	4.93	46.00	35.28	4.95
07 + 09 + 09 + 09	115	80	23.99	23.49	3.76	27.17	23.45	3.83	28.65	25.92	3.87	30.71	27.22	3.87	32.87	27.87	3.95	33.90	31.03	3.97
	14	12	26.57	21.85	1.49	30.07	21.82	1.52	31.72	24.10	1.52	33.99	25.12	1.52	36.37	25.71	1.56	37.50	28.47	1.58
	23	21	26.08	21.31	1.62	29.51	21.28	1.64	31.14	23.51	1.65	33.37	24.68	1.65	35.70	25.26	1.70	36.81	28.13	1.70
	32	28	25.87	21.12	1.72	29.26	21.09	1.75	30.90	23.35	1.76	33.07	24.46	1.76	35.37	25.06	1.79	36.54	27.86	1.81
	41	37	25.54	20.98	1.96	28.91	20.95	1.99	30.50	23.15	2.01	32.68	24.31	2.01	34.96	24.87	2.04	36.04	27.69	2.06
	50	47	25.76	21.08	2.21	29.17	21.06	2.25	30.78	23.26	2.27	32.97	24.44	2.27	35.27	25.02	2.32	36.38	27.84	2.34
	59	50	27.22	21.77	2.50	30.82	21.75	2.56	32.52	24.03	2.59	34.83	25.23	2.59	37.27	26.40	2.63	38.43	28.74	2.64
	67	53	32.96	24.78	2.90	37.29	24.75	2.94	39.33	27.33	2.97	42.15	28.70	2.97	45.08	30.08	3.05	46.48	32.69	3.06
	77	62	31.95	24.38	3.33	36.16	24.35	3.40	38.13	26.89	3.43	40.85	28.24	3.43	43.70	29.39	3.50	45.06	32.16	3.52
	87	69	31.11	23.97	3.78	35.21	23.94	3.85	37.13	26.46	3.89	39.79	27.78	3.89	42.57	28.42	3.97	43.90	31.64	3.99
	95	75	30.24	22.99	4.07	34.21	22.97	4.16	36.09	25.37	4.19	38.05	26.63	4.19	41.36	27.26	4.28	42.64	30.34	4.30
	104	78	25.65	21.02	3.70	29.04	21.01	3.77	30.63	23.21	3.79	32.81	24.36	3.79	35.11	24.94	3.88	36.20	27.77	3.90
07 + 09 + 09 + 12	115	80	18.88	18.49	2.96	21.39	18.46	3.01	22.55	20.40	3.04	24.17	21.43	3.04	25.87	21.93	3.11	26.68	24.42	3.13
	14	12	28.91	23.77	1.62	32.73	23.74	1.66	34.52	26.23	1.66	36.99	27.34	1.66	39.58	27.98	1.70	40.81	30.98	1.71
	23	21	28.39	23.19	1.76	32.12	23.16	1.78	33.89	25.59	1.80	36.31	26.86	1.80	38.85	27.49	1.85	40.06	30.61	1.85
	32	28	28.15	22.98	1.87	31.84	22.96	1.90	33.62	25.41	1.92	35.99	26.62	1.92	38.49	27.27	1.95	39.77	30.32	1.97
	41	37	27.80	22.83	2.13	31.46	22.80	2.17	33.19	25.19	2.18	35.56	26.45	2.18	38.05	27.07	2.22	39.22	30.14	2.24
	50	47	28.04	22.94	2.40	31.74	22.92	2.45	33.49	25.32	2.47	35.88	26.59	2.47	38.39	27.22	2.53	39.59	30.29	2.55
	59	50	29.63	23.70	2.72	33.54	23.66	2.78	35.39	26.15	2.82	37.91	27.46	2.82	40.55	28.73	2.86	41.82	31.27	2.88
	67	53	35.87	26.97	3.15	40.59	26.94	3.20	42.80	29.75	3.23	45.86	31.23	3.23	49.06	32.73	3.32	50.58	35.58	3.33
	77	62	34.77	26.53	3.63	39.35	26.50	3.70	41.49	29.26	3.74	44.46	30.73	3.74	47.56	31.98	3.81	49.03	35.00	3.83
	87	69	33.85	26.09	4.12	38.32	26.05	4.19	40.41	28.79	4.23	43.31	30.23	4.23	46.32	30.93	4.32	47.77	34.43	4.34
	95	75	32.91	25.02	4.43	37.23	24.99	4.53	39.28	27.61	4.56	41.40	28.98	4.56	45.00	29.66	4.66	46.40	33.02	4.67
	104	78	27.91	22.88	4.02	31.60	22.86	4.10	33.33	25.25	4.12	35.71	26.51	4.12	38.21	27.14	4.22	39.40	30.22	4.24
07 + 09 + 09 + 18	115	80	20.55	20.12	3.22	23.27	20.09	3.28	24.54	22.20	3.31	26.31	23.32	3.31	28.15	23.87	3.38	29.03	26.58	3.40
	14	12	32.94	27.08	1.85	37.28	27.05	1.89	39.32	29.88	1.89	42.14	31.14	1.89	45.09	31.88	1.93	46.49	35.29	1.95
	23	21	32.34	26.42	2.01	36.59	26.38	2.03	38.61	29.15	2.05	41.37	30.60	2.05	44.26	31.32	2.11	45.64	34.87	2.11
	32	28	32.07	26.18	2.13	36.27	26.15	2.16	38.30	28.95	2.18	41.00	30.33	2.18	43.85	31.07	2.22	45.30	34.54	2.24
	41	37	31.67	26.01	2.42	35.83	25.97	2.47	37.81	28.70	2.49	40.51	30.13	2.49	43.35	30.83	2.53	44.68	34.33	2.55
	50	47	31.94	26.13	2.74	36.16	26.11	2.79	38.16	28.84	2.81	40.88	30.29	2.81	43.73	31.01	2.88	45.10	34.51	2.91
	59	50	33.75	26.99	3.10	38.21	26.96	3.17	40.31	29.79	3.21	43.18	31.28	3.21	46.20	32.73	3.26	47.64	35.62	3.28
	67	53	40.86	30.72	3.59	46.23	30.68	3.65	48.76	33.89	3.69	52.25	35.58	3.69	55.89	37.29	3.78	57.62	40.53	3.80
	77	62	39.61	30.22	4.13	44.83	30.18	4.21	47.27	33.33	4.26	50.65	35.01	4.26	54.18	36.43	4.34	55.86	39.87	4.36
	87	69	38.57	29.72	4.69	43.65	29.68	4.77	46.03	32.80	4.82	49.33	34.44	4.82	52.77	35.23	4.92	54.42	39.22	4.94
	95	75	37.49	28.51	5.05	42.41	28.47	5.16	44.74	31.45	5.20	47.17	33.02	5.20	51.27	33.79	5.30	52.86	37.62	5.32
	104	78	31.79	26.06	4.58	36.00	26.04	4.67	37.97	28.77	4.70	40.68	30.20	4.70	43.53	30.92	4.81	44.88	34.42	4.83
07 + 09 + 09 + 24	115	80	23.40	22.92	3.67	26.51	22.88	3.73	27.96	25.29	3.77	29.97	26.56	3.77	32.07	27.19	3.85	33.07	30.28	3.87
	14	12	33.64	27.66	1.89	38.08	27.62	1.93	40.16	30.52	1.93	43.04	31.81	1.93	46.05	32.56	1.97	47.48	36.05	1.99
	23	21	33.03	26.98	2.05	37.37	26.95	2.07	39.43	29.77	2.09	42.25	31.25	2.09	45.20	31.99	2.15	46.61	35.61	2.15
	32	28	32.75	26.74	2.17	37.05	26.71	2.21	39.12	29.56	2.23	41.87	30.98	2.23	44.78	31.73	2.27	46.27	35.28	2.29
	41	37	32.34	26.56	2.48	36.60	26.53	2.52	38.62	29.31	2.54	41.38	30.78	2.54	44.27	31.49	2.59	45.63	35.06	2.61
	50	47	32.62	26.69	2.80	36.94	26.67	2.85	38.97	29.46	2.87	41.75	30.94	2.87	44.66	31.67	2.94	46.06	35.25	2.97
	59	50	34.47	27.57	3.17	39.03	27.53	3.24	41.17	30.43	3.28	44.10	31.95	3.28	47.18	33.43	3.32	48.66	36.38	3.35
	67	53	41.73	31.38	3.67	47.22	31.34	3.73	49.80	34.61	3.76	53.36	36.34	3.76	57.08	38.08	3.86	58.85	41.39	3.88
	77	62	40.46	30.87	4.22	45.78	30.83	4.30	48.27	34.05	4.35	51.73	35.76	4.35	55.33	37.21	4.43	57.05	40.72	4.45
	87	69	39.39	30.35	4.79	44.58	30.31	4.88	47.01	33.50	4.92	50.39	35.18	4.92	53.90	35.99	5.03	55.58	40.06	5.05

Indoor unit connecting capacity	Outdoor temperature		Indoor temperature																	
			64 °FDB/54 °FWB			70 °FDB/60 °FWB			75 °FDB/63 °FWB			80 °FDB/67 °FWB			85 °FDB/71 °FWB			90 °FDB/73 °FWB		
			TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
kBtu/h	°FDB	°FWB	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW
07 + 09 + 12 + 24	14	12	33.99	27.95	1.91	38.48	27.91	1.95	40.58	30.84	1.95	43.49	32.14	1.95	46.53	32.90	1.99	47.98	36.42	2.02
	23	21	33.37	27.27	2.07	37.76	27.23	2.09	39.84	30.08	2.11	42.69	31.58	2.11	45.68	32.32	2.17	47.10	35.99	2.17
	32	28	33.10	27.02	2.19	37.44	26.99	2.23	39.53	29.87	2.25	42.31	31.30	2.25	45.25	32.06	2.29	46.76	35.64	2.31
	41	37	32.68	26.84	2.50	36.98	26.80	2.55	39.02	29.62	2.57	41.81	31.10	2.57	44.73	31.82	2.61	46.11	35.43	2.63
	50	47	32.96	26.97	2.83	37.32	26.95	2.88	39.38	29.77	2.90	42.19	31.26	2.90	45.13	32.01	2.97	46.55	35.62	3.00
	59	50	34.83	27.86	3.20	39.43	27.82	3.27	41.60	30.75	3.31	44.56	32.28	3.31	47.68	33.78	3.36	49.17	36.76	3.38
	67	53	42.17	31.71	3.71	47.72	31.67	3.77	50.32	34.97	3.80	53.92	36.72	3.80	57.68	38.48	3.90	59.47	41.83	3.92
	77	62	40.88	31.19	4.26	46.26	31.15	4.35	48.78	34.40	4.39	52.27	36.13	4.39	55.91	37.60	4.48	57.65	41.15	4.50
	87	69	39.80	30.67	4.84	45.05	30.63	4.93	47.51	33.85	4.97	50.91	35.54	4.97	54.46	36.36	5.08	56.16	40.48	5.10
	95	75	38.69	29.42	5.21	43.77	29.38	5.32	46.18	32.46	5.37	48.68	34.07	5.37	52.91	34.88	5.47	54.56	38.82	5.50
	104	78	32.81	26.89	4.73	37.15	26.88	4.82	39.19	29.69	4.85	41.98	31.17	4.85	44.92	31.91	4.96	46.32	35.52	4.99
115	80	24.15	23.65	3.79	27.36	23.62	3.85	28.85	26.10	3.89	30.93	27.41	3.89	33.10	28.06	3.98	34.13	31.25	4.00	
07 + 12 + 12 + 12	14	12	32.94	27.08	1.85	37.28	27.05	1.89	39.32	29.88	1.89	42.14	31.14	1.89	45.09	31.88	1.93	46.49	35.29	1.95
	23	21	32.34	26.42	2.01	36.59	26.38	2.03	38.61	29.15	2.05	41.37	30.60	2.05	44.26	31.32	2.11	45.64	34.87	2.11
	32	28	32.07	26.18	2.13	36.27	26.15	2.16	38.30	28.95	2.18	41.00	30.33	2.18	43.85	31.07	2.22	45.30	34.54	2.24
	41	37	31.67	26.01	2.42	35.83	25.97	2.47	37.81	28.70	2.49	40.51	30.13	2.49	43.35	30.83	2.53	44.68	34.33	2.55
	50	47	31.94	26.13	2.74	36.16	26.11	2.79	38.16	28.84	2.81	40.88	30.29	2.81	43.73	31.01	2.88	45.10	34.51	2.91
	59	50	33.75	26.99	3.10	38.21	26.96	3.17	40.31	29.79	3.21	43.18	31.28	3.21	46.20	32.73	3.26	47.64	35.62	3.28
	67	53	40.86	30.72	3.59	46.23	30.68	3.65	48.76	33.89	3.69	52.25	35.58	3.69	55.89	37.29	3.78	57.62	40.53	3.80
	77	62	39.61	30.22	4.13	44.83	30.18	4.21	47.27	33.33	4.26	50.65	35.01	4.26	54.18	36.43	4.34	55.86	39.87	4.36
	87	69	38.57	29.72	4.69	43.65	29.68	4.77	46.03	32.80	4.82	49.33	34.44	4.82	52.77	35.23	4.92	54.42	39.22	4.94
	95	75	37.49	28.51	5.05	42.41	28.47	5.16	44.74	31.45	5.20	47.17	33.02	5.20	51.27	33.79	5.30	52.86	37.62	5.32
	104	78	31.79	26.06	4.58	36.00	26.04	4.67	37.97	28.77	4.70	40.68	30.20	4.70	43.53	30.92	4.81	44.88	34.42	4.83
115	80	23.40	22.92	3.67	26.51	22.88	3.73	27.96	25.29	3.77	29.97	26.56	3.77	32.07	27.19	3.85	33.07	30.28	3.87	
07 + 12 + 12 + 18	14	12	33.64	27.66	1.89	38.08	27.62	1.93	40.16	30.52	1.93	43.04	31.81	1.93	46.05	32.56	1.97	47.48	36.05	1.99
	23	21	33.03	26.98	2.05	37.37	26.95	2.07	39.43	29.77	2.09	42.25	31.25	2.09	45.20	31.99	2.15	46.61	35.61	2.15
	32	28	32.75	26.74	2.17	37.05	26.71	2.21	39.12	29.56	2.23	41.87	30.98	2.23	44.78	31.73	2.27	46.27	35.28	2.29
	41	37	32.34	26.56	2.48	36.60	26.53	2.52	38.62	29.31	2.54	41.38	30.78	2.54	44.27	31.49	2.59	45.63	35.06	2.61
	50	47	32.62	26.69	2.80	36.94	26.67	2.85	38.97	29.46	2.87	41.75	30.94	2.87	44.66	31.67	2.94	46.06	35.25	2.97
	59	50	34.47	27.57	3.17	39.03	27.53	3.24	41.17	30.43	3.28	44.10	31.95	3.28	47.18	33.43	3.32	48.66	36.38	3.35
	67	53	41.73	31.38	3.67	47.22	31.34	3.73	49.80	34.61	3.76	53.36	36.34	3.76	57.08	38.08	3.86	58.85	41.39	3.88
	77	62	40.46	30.87	4.22	45.78	30.83	4.30	48.27	34.05	4.35	51.73	35.76	4.35	55.33	37.21	4.43	57.05	40.72	4.45
	87	69	39.39	30.35	4.79	44.58	30.31	4.88	47.01	33.50	4.92	50.39	35.18	4.92	53.90	35.99	5.03	55.58	40.06	5.05
	95	75	38.29	29.11	5.16	43.32	29.08	5.27	45.70	32.12	5.31	48.18	33.72	5.31	52.36	34.51	5.42	53.99	38.42	5.44
	104	78	32.47	26.62	4.68	36.77	26.60	4.77	38.78	29.38	4.80	41.55	30.85	4.80	44.46	31.58	4.91	45.84	35.16	4.94
115	80	23.90	23.41	3.75	27.08	23.37	3.81	28.55	25.83	3.85	30.61	27.13	3.85	32.75	27.77	3.94	33.78	30.92	3.96	
09 + 09 + 09 + 09	14	12	28.13	23.13	1.58	31.84	23.10	1.61	33.58	25.52	1.61	35.99	26.60	1.61	38.51	27.23	1.65	39.70	30.14	1.67
	23	21	27.62	22.56	1.71	31.25	22.53	1.73	32.97	24.89	1.75	35.33	26.13	1.75	37.80	26.75	1.80	38.98	29.78	1.80
	32	28	27.39	22.36	1.82	30.98	22.34	1.85	32.71	24.72	1.87	35.02	25.90	1.87	37.45	26.53	1.90	38.69	29.50	1.91
	41	37	27.05	22.21	2.07	30.61	22.18	2.11	32.29	24.51	2.13	34.60	25.74	2.13	37.02	26.33	2.16	38.16	29.32	2.18
	50	47	27.28	22.32	2.34	30.89	22.30	2.38	32.59	24.63	2.40	34.91	25.87	2.40	37.35	26.49	2.46	38.52	29.48	2.48
	59	50	28.83	23.05	2.65	32.63	23.02	2.71	34.43	25.45	2.74	36.88	26.72	2.74	39.46	27.96	2.78	40.69	30.43	2.80
	67	53	34.90	26.24	3.07	39.49	26.21	3.12	41.64	28.94	3.15	44.62	30.39	3.15	47.73	31.85	3.23	49.21	34.61	3.24
	77	62	33.83	25.81	3.53	38.29	25.78	3.60	40.37	28.47	3.63	43.26	29.90	3.63	46.27	31.12	3.71	47.71	34.06	3.72
	87	69	32.94	25.38	4.01	37.28	25.35	4.08	39.32	28.01	4.11	42.13	29.42	4.11	45.07	30.09	4.20	46.48	33.50	4.22
	95	75	32.02	24.35	4.31	36.23	24.32	4.40	38.22	26.86	4.44	40.29	28.20	4.44	43.79	28.86	4.53	45.15	32.13	4.55
	104	78	27.16	22.26	3.91	30.75	22.24	3.99	32.43	24.57	4.01	34.74	25.80	4.01	37.18	26.41	4.11	38.33	29.40	4.13
115	80	19.99	19.58	3.14	22.64	19.55	3.19	23.88	21.60	3.22	25.59	22.69	3.22	27.39	23.22	3.29	28.25	25.86	3.31	
09 + 09 + 09 + 12	14	12	30.48	25.06	1.71	34.50	25.03	1.75	36.38	27.65	1.75	38.99	28.81	1.75	41.72	29.50	1.79	43.01	32.66	1.81
	23	21	29.92	24.44	1.86	33.85	24.41	1.88	35.72	26.97	1.89	38.28	28.31	1.89	40.95	28.98	1.95	42.23	32.26	1.95
	32	28	29.67	24.23	1.97	33.56	24.20	2.00	35.44	26.78	2.02	37.93	28.06	2.02	40.57	28.75	2.06	41.92	31.96	2.07
	41	37	29.30	24.06	2.24	33.16														

Indoor unit connecting capacity	Outdoor temperature		Indoor temperature																	
			64 °FDB/54 °FWB			70 °FDB/60 °FWB			75 °FDB/63 °FWB			80 °FDB/67 °FWB			85 °FDB/71 °FWB			90 °FDB/73 °FWB		
			TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
kBtu/h	°FDB	°FWB	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW	kBtu/h		kW
09 + 09 + 12 + 12	14	12	32.82	26.99	1.84	37.15	26.95	1.88	39.18	29.78	1.88	41.99	31.03	1.88	44.92	31.77	1.93	46.32	35.17	1.95
	23	21	32.22	26.33	2.00	36.46	26.29	2.02	38.47	29.04	2.04	41.22	30.49	2.04	44.10	31.21	2.10	45.48	34.75	2.10
	32	28	31.95	26.09	2.12	36.15	26.06	2.16	38.17	28.84	2.18	40.85	30.22	2.18	43.69	30.96	2.21	45.14	34.42	2.23
	41	37	31.55	25.91	2.42	35.71	25.88	2.46	37.67	28.60	2.48	40.37	30.03	2.48	43.19	30.72	2.52	44.52	34.21	2.54
	50	47	31.83	26.04	2.73	36.03	26.02	2.78	38.02	28.74	2.80	40.73	30.19	2.80	43.57	30.90	2.87	44.94	34.39	2.89
	59	50	33.63	26.90	3.09	38.07	26.86	3.16	40.17	29.69	3.20	43.03	31.17	3.20	46.03	32.62	3.24	47.47	35.50	3.27
	67	53	40.72	30.61	3.58	46.07	30.58	3.64	48.58	33.77	3.67	52.06	35.45	3.67	55.69	37.15	3.76	57.42	40.38	3.78
	77	62	39.47	30.11	4.12	44.67	30.08	4.20	47.10	33.21	4.24	50.47	34.89	4.24	53.98	36.30	4.32	55.66	39.73	4.34
	87	69	38.43	29.61	4.67	43.50	29.58	4.76	45.87	32.68	4.80	49.16	34.32	4.80	52.58	35.11	4.91	54.23	39.08	4.93
	95	75	37.35	28.40	5.03	42.26	28.37	5.14	44.59	31.34	5.18	47.00	32.90	5.18	51.09	33.67	5.28	52.68	37.48	5.31
	104	78	31.68	25.97	4.57	35.87	25.95	4.66	37.84	28.67	4.68	40.53	30.10	4.68	43.37	30.81	4.79	44.72	34.30	4.82
09 + 09 + 12 + 18	115	80	23.32	22.84	3.66	26.42	22.80	3.72	27.86	25.20	3.76	29.86	26.47	3.76	31.95	27.09	3.84	32.96	30.17	3.86
	14	12	33.52	27.56	1.88	37.95	27.53	1.92	40.02	30.41	1.92	42.89	31.69	1.92	45.89	32.45	1.97	47.31	35.92	1.99
	23	21	32.91	26.89	2.04	37.24	26.85	2.06	39.29	29.66	2.08	42.10	31.14	2.08	45.05	31.87	2.14	46.45	35.49	2.14
	32	28	32.64	26.65	2.16	36.92	26.62	2.20	38.98	29.46	2.22	41.73	30.87	2.22	44.63	31.62	2.26	46.11	35.15	2.28
	41	37	32.23	26.47	2.47	36.47	26.43	2.51	38.48	29.21	2.53	41.23	30.67	2.53	44.12	31.38	2.58	45.48	34.94	2.60
	50	47	32.51	26.60	2.79	36.81	26.58	2.84	38.83	29.35	2.86	41.61	30.83	2.86	44.51	31.56	2.93	45.90	35.13	2.96
	59	50	34.35	27.47	3.16	38.89	27.44	3.22	41.03	30.32	3.27	43.95	31.84	3.27	47.02	33.32	3.31	48.49	36.26	3.34
	67	53	41.59	31.27	3.66	47.06	31.23	3.71	49.62	34.49	3.75	53.18	36.21	3.75	56.88	37.95	3.84	58.65	41.25	3.86
	77	62	40.32	30.76	4.20	45.62	30.72	4.29	48.11	33.93	4.33	51.55	35.63	4.33	55.14	37.08	4.42	56.85	40.58	4.44
	87	69	39.25	30.25	4.77	44.43	30.21	4.86	46.85	33.38	4.90	50.21	35.05	4.90	53.71	35.86	5.01	55.39	39.92	5.03
	95	75	38.15	29.01	5.14	43.17	28.98	5.25	45.54	32.01	5.29	48.01	33.60	5.29	52.18	34.39	5.40	53.80	38.29	5.42
09 + 09 + 12 + 24	104	78	32.36	26.52	4.66	36.64	26.51	4.76	38.65	29.28	4.78	41.40	30.74	4.78	44.30	31.47	4.90	45.68	35.03	4.92
	115	80	23.82	23.33	3.74	26.98	23.29	3.80	28.45	25.74	3.84	30.50	27.04	3.84	32.64	27.67	3.92	33.66	30.82	3.94
	14	12	34.23	28.14	1.92	38.74	28.11	1.96	40.86	31.05	1.96	43.79	32.36	1.96	46.85	33.13	2.01	48.31	36.68	2.03
	23	21	33.60	27.45	2.09	38.02	27.42	2.11	40.12	30.29	2.13	42.99	31.80	2.13	45.99	32.54	2.19	47.43	36.23	2.19
	32	28	33.32	27.21	2.21	37.69	27.17	2.25	39.80	30.08	2.27	42.60	31.52	2.27	45.56	32.28	2.31	47.08	35.89	2.33
	41	37	32.91	27.02	2.52	37.24	26.99	2.56	39.29	29.82	2.59	42.10	31.31	2.59	45.04	32.04	2.63	46.43	35.68	2.65
	50	47	33.19	27.16	2.85	37.58	27.14	2.90	39.65	29.97	2.92	42.48	31.48	2.92	45.44	32.23	2.99	46.87	35.86	3.02
	59	50	35.07	28.05	3.22	39.71	28.01	3.29	41.89	30.96	3.34	44.87	32.51	3.34	48.01	34.01	3.38	49.51	37.02	3.41
	67	53	42.46	31.92	3.73	48.04	31.89	3.79	50.67	35.21	3.83	54.29	36.97	3.83	58.07	38.75	3.93	59.88	42.11	3.94
	77	62	41.16	31.40	4.29	46.58	31.36	4.38	49.12	34.64	4.42	52.63	36.38	4.42	56.30	37.86	4.51	58.05	41.43	4.53
	87	69	40.08	30.88	4.87	45.36	30.84	4.96	47.83	34.08	5.01	51.26	35.79	5.01	54.83	36.61	5.12	56.55	40.75	5.14
09 + 12 + 12 + 12	95	75	38.95	29.62	5.25	44.08	29.59	5.36	46.50	32.68	5.40	49.01	34.31	5.40	53.28	35.12	5.51	54.93	39.09	5.53
	104	78	33.04	27.08	4.76	37.41	27.06	4.86	39.46	29.90	4.88	42.27	31.39	4.88	45.23	32.13	5.00	46.64	35.77	5.02
	115	80	24.32	23.82	3.82	27.55	23.78	3.88	29.05	26.28	3.92	31.14	27.60	3.92	33.32	28.26	4.01	34.37	31.46	4.03
	14	12	33.17	27.28	1.86	37.55	27.24	1.90	39.60	30.09	1.90	42.44	31.36	1.90	45.41	32.11	1.95	46.82	35.55	1.97
	23	21	32.57	26.61	2.02	36.85	26.57	2.04	38.88	29.35	2.06	41.66	30.82	2.06	44.57	31.54	2.12	45.96	35.12	2.12
	32	28	32.30	26.37	2.14	36.53	26.34	2.18	38.57	29.15	2.20	41.29	30.54	2.20	44.16	31.29	2.24	45.63	34.78	2.26
	41	37	31.89	26.19	2.44	36.09	26.16	2.49	38.08	28.90	2.51	40.80	30.35	2.51	43.65	31.05	2.55	45.00	34.58	2.57
	50	47	32.17	26.32	2.76	36.42	26.30	2.81	38.43	29.05	2.83	41.17	30.51	2.83	44.04	31.23	2.90	45.42	34.76	2.93
	59	50	33.99	27.19	3.12	38.48	27.15	3.19	40.60	30.00	3.23	43.49	31.50	3.23	46.53	32.97	3.28	47.98	35.88	3.30
	67	53	41.15	30.94	3.62	46.56	30.90	3.67	49.10	34.13	3.71	52.62	35.83	3.71	56.28	37.55	3.80	58.03	40.82	3.82
	77	62	39.90	30.44	4.16	45.14	30.40	4.24	47.60	33.57	4.29	51.01	35.26	4.29	54.56	36.69	4.37	56.26	40.16	4.39
09 + 12 + 12 + 18	87	69	38.84	29.93	4.72	43.96	29.89	4.81	46.36	33.03	4.85	49.68	34.69	4.85	53.14	35.48	4.96	54.81	39.50	4.98
	95	75	37.75	28.71	5.09	42.72	28.67	5.19	45.06	31.67	5.24	47.50	33.25	5.24	51.63	34.03	5.34	53.24	37.88	5.36
	104	78	32.02	26.25	4.62	36.25	26.23	4.71	38.24	28.97	4.73	40.97	30.42	4.73	43.84	31.14	4.84	45.20	34.67	4.87
	115	80	23.57	23.08	3.70	26.70	23.05	3.76	28.16	25.47	3.80	30.18	26.75	3.80	32.30	27.38	3.88	33.31	30.49	3.90
	14	12	33.88	27.85	1.90	38.34	27.82	1.94	40.44	30.73	1.94	43.34	32.03	1.94	46.37	32.79	1.99	47.81	36.30	2.01
	23	21	33.26	27.17	2.06	37.63	27.13	2.09	39.71	29.98	2.11	42.55	31.47	2.11	45.52	32.21	2.17	46.94	35.86	2.17
	32	28	32.98	26.93	2.19	37.31	26.90	2.23	39.39	29.77	2.25	42.17	31.19	2.25	45.10	31.95	2.29	46.59	35.52	2.31
	41	37	32.57	26.75	2.49	36.85														

Indoor unit connecting capacity	Outdoor temperature		Indoor temperature																	
			64 °FDB/54 °FWB			70 °FDB/60 °FWB			75 °FDB/63 °FWB			80 °FDB/67 °FWB			85 °FDB/71 °FWB			90 °FDB/73 °FWB		
			TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
kBtu/h	°FDB	°FWB	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW		
07 + 07 + 07 + 07 + 07	14	12	27.35	22.49	1.54	30.96	22.46	1.57	32.65	24.81	1.57	34.99	25.86	1.57	37.44	26.47	1.60	38.60	29.31	1.62
	23	21	26.85	21.94	1.67	30.38	21.91	1.68	32.06	24.20	1.70	34.35	25.41	1.70	36.75	26.00	1.75	37.90	28.95	1.75
	32	28	26.63	21.74	1.77	30.12	21.71	1.80	31.80	24.04	1.81	34.04	25.18	1.81	36.41	25.80	1.85	37.62	28.68	1.86
	41	37	26.29	21.59	2.01	29.76	21.57	2.05	31.39	23.83	2.07	33.64	25.02	2.07	35.99	25.60	2.10	37.10	28.51	2.12
	50	47	26.52	21.70	2.27	30.03	21.68	2.31	31.68	23.95	2.33	33.94	25.16	2.33	36.31	25.75	2.39	37.45	28.66	2.41
	59	50	28.03	22.41	2.58	31.73	22.38	2.63	33.47	24.74	2.67	35.86	25.98	2.67	38.36	27.18	2.70	39.56	29.58	2.72
	67	53	33.93	25.51	2.98	38.39	25.48	3.03	40.49	28.14	3.06	43.38	29.54	3.06	46.41	30.96	3.14	47.85	33.65	3.15
	77	62	32.89	25.09	3.43	37.22	25.06	3.50	39.25	27.68	3.53	42.06	29.07	3.53	44.99	30.25	3.60	46.38	33.11	3.62
	87	69	32.02	24.68	3.89	36.25	24.65	3.96	38.22	27.23	4.00	40.96	28.60	4.00	43.82	29.26	4.09	45.19	32.57	4.11
	95	75	31.13	23.67	4.19	35.22	23.64	4.28	37.15	26.11	4.32	39.17	27.42	4.32	42.57	28.06	4.40	43.90	31.24	4.42
	104	78	26.40	21.64	3.81	29.89	21.62	3.88	31.53	23.89	3.90	33.78	25.08	3.90	36.15	25.68	3.99	37.27	28.58	4.01
07 + 07 + 07 + 07 + 09	115	80	19.43	19.03	3.05	22.01	19.00	3.10	23.21	21.00	3.13	24.88	22.06	3.13	26.63	22.58	3.20	27.46	25.14	3.22
	14	12	28.91	23.77	1.62	32.73	23.74	1.66	34.52	26.23	1.66	36.99	27.34	1.66	39.58	27.98	1.70	40.81	30.98	1.71
	23	21	28.39	23.19	1.76	32.12	23.16	1.78	33.89	25.59	1.80	36.31	26.86	1.80	38.85	27.49	1.85	40.06	30.61	1.85
	32	28	28.15	22.98	1.87	31.84	22.96	1.90	33.62	25.41	1.92	35.99	26.62	1.92	38.49	27.27	1.95	39.77	30.32	1.97
	41	37	27.80	22.83	2.13	31.46	22.80	2.17	33.19	25.19	2.18	35.56	26.45	2.18	38.05	27.07	2.22	39.22	30.14	2.24
	50	47	28.04	22.94	2.40	31.74	22.92	2.45	33.49	25.32	2.47	35.88	26.59	2.47	38.39	27.22	2.53	39.59	30.29	2.55
	59	50	29.63	23.70	2.72	33.54	23.66	2.78	35.39	26.15	2.82	37.91	27.46	2.82	40.55	28.73	2.86	41.82	31.27	2.88
	67	53	35.87	26.97	3.15	40.59	26.94	3.20	42.80	29.75	3.23	45.86	31.23	3.23	49.06	32.73	3.32	50.58	35.58	3.33
	77	62	34.77	26.53	3.63	39.35	26.50	3.70	41.49	29.26	3.74	44.46	30.73	3.74	47.56	31.98	3.81	49.03	35.00	3.83
	87	69	33.85	26.09	4.12	38.32	26.05	4.19	40.41	28.79	4.23	43.31	30.23	4.23	46.32	30.93	4.32	47.77	34.43	4.34
	95	75	32.91	25.02	4.43	37.23	24.99	4.53	39.28	27.61	4.56	41.40	28.98	4.56	45.00	29.66	4.66	46.40	33.02	4.67
07 + 07 + 07 + 07 + 12	104	78	27.91	22.88	4.02	31.60	22.86	4.10	33.33	25.25	4.12	35.71	26.51	4.12	38.21	27.14	4.22	39.40	30.22	4.24
	115	80	20.55	20.12	3.22	23.27	20.09	3.28	24.54	22.20	3.31	26.31	23.32	3.31	28.15	23.87	3.38	29.03	26.58	3.40
	14	12	31.26	25.70	1.75	35.38	25.67	1.79	37.32	28.36	1.79	39.99	29.55	1.79	42.79	30.25	1.83	44.12	33.49	1.85
	23	21	30.69	25.07	1.91	34.72	25.04	1.92	36.64	27.66	1.94	39.26	29.04	1.94	42.00	29.72	2.00	43.31	33.09	2.00
	32	28	30.43	24.85	2.02	34.42	24.82	2.05	36.35	27.47	2.07	38.91	28.78	2.07	41.61	29.48	2.11	42.99	32.78	2.13
	41	37	30.05	24.68	2.30	34.01	24.65	2.34	35.88	27.23	2.36	38.45	28.60	2.36	41.14	29.26	2.40	42.40	32.58	2.42
	50	47	30.31	24.80	2.60	34.32	24.78	2.64	36.21	27.37	2.67	38.79	28.75	2.67	41.50	29.43	2.73	42.80	32.75	2.76
	59	50	32.03	25.62	2.94	36.26	25.58	3.01	38.26	28.27	3.05	40.98	29.69	3.05	43.84	31.06	3.09	45.21	33.81	3.11
	67	53	38.78	29.15	3.41	43.88	29.12	3.46	46.27	32.16	3.50	49.58	33.76	3.50	53.03	35.38	3.58	54.68	38.46	3.60
	77	62	37.59	28.68	3.92	42.54	28.64	4.00	44.85	31.63	4.04	48.06	33.22	4.04	51.41	34.57	4.12	53.01	37.84	4.14
	87	69	36.60	28.20	4.45	41.43	28.17	4.53	43.68	31.12	4.57	46.82	32.68	4.57	50.08	33.44	4.67	51.64	37.22	4.69
07 + 07 + 07 + 07 + 18	95	75	35.57	27.05	4.79	40.25	27.02	4.89	42.46	29.84	4.93	44.76	31.33	4.93	48.65	32.07	5.03	50.17	35.70	5.05
	104	78	30.17	24.73	4.35	34.16	24.71	4.44	36.04	27.30	4.46	38.60	28.66	4.46	41.31	29.35	4.57	42.59	32.67	4.59
	115	80	22.21	21.75	3.49	25.16	21.72	3.54	26.53	24.00	3.58	28.44	25.21	3.58	30.43	25.80	3.66	31.39	28.73	3.68
	14	12	33.29	27.37	1.87	37.68	27.34	1.91	39.74	30.20	1.91	42.59	31.47	1.91	45.57	32.22	1.95	46.98	35.67	1.97
	23	21	32.68	26.70	2.03	36.98	26.66	2.05	39.02	29.46	2.07	41.81	30.93	2.07	44.73	31.65	2.13	46.13	35.24	2.13
	32	28	32.41	26.46	2.15	36.66	26.43	2.19	38.71	29.26	2.21	41.44	30.65	2.21	44.31	31.40	2.25	45.79	34.91	2.27
	41	37	32.00	26.28	2.45	36.22	26.25	2.49	38.21	29.00	2.52	40.95	30.45	2.52	43.81	31.16	2.56	45.16	34.70	2.58
	50	47	32.28	26.41	2.77	36.55	26.39	2.82	38.56	29.15	2.84	41.32	30.62	2.84	44.20	31.34	2.91	45.58	34.88	2.94
	59	50	34.11	27.28	3.14	38.62	27.25	3.20	40.74	30.11	3.25	43.64	31.62	3.25	46.69	33.08	3.29	48.15	36.00	3.31
	67	53	41.30	31.05	3.63	46.73	31.01	3.69	49.28	34.25	3.72	52.81	35.96	3.72	56.48	37.68	3.82	58.24	40.96	3.84
	77	62	40.04	30.54	4.18	45.30	30.51	4.26	47.77	33.69	4.30	51.19	35.38	4.30	54.76	36.82	4.39	56.46	40.30	4.41
07 + 07 + 07 + 07 + 24	87	69	38.98	30.04	4.74	44.12	30.00	4.83	46.52	33.15	4.87	49.86	34.81	4.87	53.33	35.61	4.98	55.00	39.64	5.00
	95	75	37.89	28.81	5.11	42.87	28.77	5.21	45.22	31.78	5.25	47.67	33.37	5.25	51.82	34.15	5.36	53.43	38.02	5.38
	104	78	32.13	26.34	4.63	36.38	26.32	4.72	38.38	29.08	4.75	41.11	30.53	4.75	43.99	31.25	4.86	45.36	34.79	4.89
	115	80	23.65	23.17	3.71	26.80	23.13	3.77	28.25	25.56	3.81	30.29	26.85	3.81	32.41	27.48	3.90	33.43	30.60	3.92
	14	12	34.23	28.14	1.92	38.74	28.11	1.96	40.86	31.05	1.96	43.79	32.36	1.96	46.85	33.13	2.01	48.31	36.68	2.03
	23	21	33.60	27.45	2.09	38.02	27.42	2.11	40.12	30.29	2.13	42.99	31.80	2.13	45.99	32.54	2.19	47.43	36.23	2.19
	32	28	33.32	27.21	2.21	37.69	27.17	2.25	39.80	30.08	2.27	42.60	31.52	2.27	45.56	32.28	2.31	47.08	35.89	2.33
	41	37	32.91	27.02	2.52	37.24	26.9													

Indoor unit connecting capacity	Outdoor temperature		Indoor temperature																	
			64 °FDB/54 °FWB			70 °FDB/60 °FWB			75 °FDB/63 °FWB			80 °FDB/67 °FWB			85 °FDB/71 °FWB			90 °FDB/73 °FWB		
			TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
kBtu/h	°FDB	°FWB	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	
07 + 07 + 07 + 09 + 18	14	12	33.52	27.56	1.88	37.95	27.53	1.92	40.02	30.41	1.92	42.89	31.69	1.92	45.89	32.45	1.97	47.31	35.92	1.99
	23	21	32.91	26.89	2.04	37.24	26.85	2.06	39.29	29.66	2.08	42.10	31.14	2.08	45.05	31.87	2.14	46.45	35.49	2.14
	32	28	32.64	26.65	2.16	36.92	26.62	2.20	38.98	29.46	2.22	41.73	30.87	2.22	44.63	31.62	2.26	46.11	35.15	2.28
	41	37	32.23	26.47	2.47	36.47	26.43	2.51	38.48	29.21	2.53	41.23	30.67	2.53	44.12	31.38	2.58	45.48	34.94	2.60
	50	47	32.51	26.60	2.79	36.81	26.58	2.84	38.83	29.35	2.86	41.61	30.83	2.86	44.51	31.56	2.93	45.90	35.13	2.96
	59	50	34.35	27.47	3.16	38.89	27.44	3.22	41.03	30.32	3.27	43.95	31.84	3.27	47.02	33.32	3.31	48.49	36.26	3.34
	67	53	41.59	31.27	3.66	47.06	31.23	3.71	49.62	34.49	3.75	53.18	36.21	3.75	56.88	37.95	3.84	58.65	41.25	3.86
	77	62	40.32	30.76	4.20	45.62	30.72	4.29	48.11	33.93	4.33	51.55	35.63	4.33	55.14	37.08	4.42	56.85	40.58	4.44
	87	69	39.25	30.25	4.77	44.43	30.21	4.86	46.85	33.38	4.90	50.21	35.05	4.90	53.71	35.86	5.01	55.39	39.92	5.03
	95	75	38.15	29.01	5.14	43.17	28.98	5.25	45.54	32.01	5.29	48.01	33.60	5.29	52.18	34.39	5.40	53.80	38.29	5.42
	104	78	32.36	26.52	4.66	36.64	26.51	4.76	38.65	29.28	4.78	41.40	30.74	4.78	44.30	31.47	4.90	45.68	35.03	4.92
07 + 07 + 07 + 09 + 24	115	80	23.82	23.33	3.74	26.98	23.29	3.80	28.45	25.74	3.84	30.50	27.04	3.84	32.64	27.67	3.92	33.66	30.82	3.94
	14	12	34.23	28.14	1.92	38.74	28.11	1.96	40.86	31.05	1.96	43.79	32.36	1.96	46.85	33.13	2.01	48.31	36.68	2.03
	23	21	33.60	27.45	2.09	38.02	27.42	2.11	40.12	30.29	2.13	42.99	31.80	2.13	45.99	32.54	2.19	47.43	36.23	2.19
	32	28	33.32	27.21	2.21	37.69	27.17	2.25	39.80	30.08	2.27	42.60	31.52	2.27	45.56	32.28	2.31	47.08	35.89	2.33
	41	37	32.91	27.02	2.52	37.24	26.99	2.56	39.29	29.82	2.59	42.10	31.31	2.59	45.04	32.04	2.63	46.43	35.68	2.65
	50	47	33.19	27.16	2.85	37.58	27.14	2.90	39.65	29.97	2.92	42.48	31.48	2.92	45.44	32.23	2.99	46.87	35.86	3.02
	59	50	35.07	28.05	3.22	39.71	28.01	3.29	41.89	30.96	3.34	44.87	32.51	3.34	48.01	34.01	3.38	49.51	37.02	3.41
	67	53	42.46	31.92	3.73	48.04	31.89	3.79	50.67	35.21	3.83	54.29	36.97	3.83	58.07	38.75	3.93	59.88	42.11	3.94
	77	62	41.16	31.40	4.29	46.58	31.36	4.38	49.12	34.64	4.42	52.63	36.38	4.42	56.30	37.86	4.51	58.05	41.43	4.53
	87	69	40.08	30.88	4.87	45.36	30.84	4.96	47.83	34.08	5.01	51.26	35.79	5.01	54.83	36.61	5.12	56.55	40.75	5.14
	95	75	38.95	29.62	5.25	44.08	29.59	5.36	46.50	32.68	5.40	49.01	34.31	5.40	53.28	35.12	5.51	54.93	39.09	5.53
07 + 07 + 07 + 12 + 12	104	78	33.04	27.08	4.76	37.41	27.06	4.86	39.46	29.90	4.88	42.27	31.39	4.88	45.23	32.13	5.00	46.64	35.77	5.02
	115	80	24.32	23.82	3.82	27.55	23.78	3.88	29.05	26.28	3.92	31.14	27.60	3.92	33.32	28.26	4.01	34.37	31.46	4.03
	14	12	33.17	27.28	1.86	37.55	27.24	1.90	39.60	30.09	1.90	42.44	31.36	1.90	45.41	32.11	1.95	46.82	35.55	1.97
	23	21	32.57	26.61	2.02	36.85	26.57	2.04	38.88	29.35	2.06	41.66	30.82	2.06	44.57	31.54	2.12	45.96	35.12	2.12
	32	28	32.30	26.37	2.14	36.53	26.34	2.18	38.57	29.15	2.20	41.29	30.54	2.20	44.16	31.29	2.24	45.63	34.78	2.26
	41	37	31.89	26.19	2.44	36.09	26.16	2.49	38.08	28.90	2.51	40.80	30.35	2.51	43.65	31.05	2.55	45.00	34.58	2.57
	50	47	32.17	26.32	2.76	36.42	26.30	2.81	38.43	29.05	2.83	41.17	30.51	2.83	44.04	31.23	2.90	45.42	34.76	2.93
	59	50	33.99	27.19	3.12	38.48	27.15	3.19	40.60	30.00	3.23	43.49	31.50	3.23	46.53	32.97	3.28	47.98	35.88	3.30
	67	53	41.15	30.94	3.62	46.56	30.90	3.67	49.10	34.13	3.71	52.62	35.83	3.71	56.28	37.55	3.80	58.03	40.82	3.82
	77	62	39.90	30.44	4.16	45.14	30.40	4.24	47.60	33.57	4.29	51.01	35.26	4.29	54.56	36.69	4.37	56.26	40.16	4.39
	87	69	38.84	29.93	4.72	43.96	29.89	4.81	46.36	33.03	4.85	49.68	34.69	4.85	53.14	35.48	4.96	54.81	39.50	4.98
07 + 07 + 07 + 12 + 18	95	75	37.75	28.71	5.09	42.72	28.67	5.19	45.06	31.67	5.24	47.50	33.25	5.24	51.63	34.03	5.34	53.24	37.88	5.36
	104	78	32.02	26.25	4.62	36.25	26.23	4.71	38.24	28.97	4.73	40.97	30.42	4.73	43.84	31.14	4.84	45.20	34.67	4.87
	115	80	23.57	23.08	3.70	26.70	23.05	3.76	28.16	25.47	3.80	30.18	26.75	3.80	32.30	27.38	3.88	33.31	30.49	3.90
	14	12	33.88	27.85	1.90	38.34	27.82	1.94	40.44	30.73	1.94	43.34	32.03	1.94	46.37	32.79	1.99	47.81	36.30	2.01
	23	21	33.26	27.17	2.06	37.63	27.13	2.09	39.71	29.98	2.11	42.55	31.47	2.11	45.52	32.21	2.17	46.94	35.86	2.17
	32	28	32.98	26.93	2.19	37.31	26.90	2.23	39.39	29.77	2.25	42.17	31.19	2.25	45.10	31.95	2.29	46.59	35.52	2.31
	41	37	32.57	26.75	2.49	36.85	26.71	2.54	38.88	29.51	2.56	41.67	30.99	2.56	44.58	31.71	2.60	45.95	35.31	2.63
	50	47	32.85	26.88	2.82	37.19	26.86	2.87	39.24	29.66	2.89	42.04	31.16	2.89	44.98	31.90	2.96	46.39	35.49	2.99
	59	50	34.71	27.76	3.19	39.30	27.72	3.26	41.46	30.64	3.30	44.41	32.17	3.30	47.51	33.66	3.35	49.00	36.64	3.37
	67	53	42.02	31.60	3.70	47.55	31.56	3.75	50.14	34.85	3.79	53.74	36.59	3.79	57.48	38.35	3.88	59.26	41.68	3.90
	77	62	40.74	31.08	4.25	46.10	31.04	4.33	48.61	34.28	4.38	52.09	36.01	4.38	55.72	37.47	4.46	57.45	41.01	4.48
07 + 07 + 09 + 09 + 09	87	69	39.66	30.56	4.82	44.89	30.53	4.91	47.34	33.73	4.95	50.74	35.42	4.95	54.27	36.24	5.06	55.97	40.34	5.09
	95	75	38.55	29.32	5.19	43.62	29.28	5.30	46.02	32.34	5.35	48.51	33.96	5.35	52.73	34.75	5.45	54.37	38.69	5.48
	104	78	32.70	26.80	4.71	37.02	26.78	4.81	39.05	29.59	4.83	41.84	31.06	4.83	44.77	31.80	4.95	46.16	35.40	4.97
	115	80	24.07	23.57	3.78	27.27	23.54	3.84	28.75	26.01	3.88	30.82	27.32	3.88	32.98	27.96	3.96	34.02	31.14	3.98
	14	12	32.04	26.34	1.80	36.27	26.31	1.84	38.25	29.07	1.84	40.99	30.29	1.84	43.86	31.01	1.88	45.22	34.33	1.90
	23	21	31.45	25.70	1.95	35.59	25.66	1.97	37.55	28.35	1.99	40.24	29.76	1.99	43.05	30.46	2.05	44.39	33.92	2.05
	32	28	31.19	25.47	2.07	35.28	25.44	2.11	37.26	28.16	2.12	39.88	2							

Indoor unit connecting capacity	Outdoor temperature		Indoor temperature																	
			64 °FDB/54 °FWB			70 °FDB/60 °FWB			75 °FDB/63 °FWB			80 °FDB/67 °FWB			85 °FDB/71 °FWB			90 °FDB/73 °FWB		
			TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
kBtu/h	°FDB	°FWB	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
07 + 07 + 09 + 12 + 12	14	12	33.41	27.47	1.88	37.81	27.43	1.92	39.88	30.31	1.92	42.74	31.58	1.92	45.73	32.33	1.96	47.15	35.80	1.98
	23	21	32.80	26.80	2.04	37.11	26.76	2.06	39.16	29.56	2.08	41.96	31.04	2.08	44.89	31.76	2.14	46.29	35.37	2.14
	32	28	32.53	26.56	2.16	36.79	26.52	2.20	38.85	29.36	2.21	41.58	30.76	2.21	44.47	31.51	2.25	45.95	35.03	2.27
	41	37	32.12	26.38	2.46	36.34	26.34	2.50	38.35	29.11	2.52	41.09	30.56	2.52	43.96	31.27	2.57	45.32	34.82	2.59
	50	47	32.40	26.50	2.78	36.68	26.49	2.83	38.70	29.25	2.85	41.46	30.73	2.85	44.35	31.45	2.92	45.74	35.00	2.95
	59	50	34.23	27.38	3.15	38.75	27.34	3.21	40.89	30.22	3.26	43.80	31.73	3.26	46.86	33.20	3.30	48.32	36.13	3.32
	67	53	41.44	31.16	3.64	46.89	31.12	3.70	49.45	34.37	3.74	52.99	36.09	3.74	56.68	37.82	3.83	58.44	41.10	3.85
	77	62	40.18	30.65	4.19	45.46	30.61	4.27	47.94	33.81	4.32	51.37	35.51	4.32	54.95	36.95	4.40	56.65	40.44	4.42
	87	69	39.12	30.14	4.76	44.27	30.10	4.84	46.69	33.26	4.89	50.04	34.93	4.89	53.52	35.74	4.99	55.19	39.78	5.01
	95	75	38.02	28.91	5.12	43.02	28.88	5.23	45.38	31.90	5.27	47.84	33.49	5.27	52.00	34.27	5.38	53.62	38.15	5.40
	104	78	32.25	26.43	4.65	36.51	26.41	4.74	38.51	29.18	4.76	41.26	30.63	4.76	44.15	31.36	4.88	45.52	34.91	4.90
07 + 07 + 12 + 12 + 12	115	80	23.74	23.25	3.72	26.89	23.21	3.79	28.35	25.65	3.83	30.39	26.94	3.83	32.53	27.58	3.91	33.54	30.71	3.93
	14	12	33.76	27.76	1.89	38.21	27.72	1.94	40.30	30.63	1.94	43.19	31.92	1.94	46.21	32.67	1.98	47.64	36.17	2.00
	23	21	33.14	27.08	2.06	37.50	27.04	2.08	39.57	29.87	2.10	42.40	31.36	2.10	45.36	32.10	2.16	46.78	35.74	2.16
	32	28	32.87	26.84	2.18	37.18	26.80	2.22	39.26	29.67	2.24	42.02	31.08	2.24	44.94	31.84	2.28	46.43	35.40	2.30
	41	37	32.46	26.65	2.49	36.73	26.62	2.53	38.75	29.41	2.55	41.52	30.88	2.55	44.43	31.60	2.59	45.79	35.19	2.62
	50	47	32.74	26.78	2.81	37.06	26.76	2.86	39.11	29.56	2.88	41.90	31.05	2.88	44.82	31.78	2.95	46.22	35.37	2.98
	59	50	34.59	27.67	3.18	39.16	27.63	3.25	41.32	30.53	3.29	44.26	32.06	3.29	47.35	33.55	3.34	48.83	36.51	3.36
	67	53	41.88	31.49	3.68	47.39	31.45	3.74	49.97	34.73	3.78	53.55	36.47	3.78	57.28	38.22	3.87	59.06	41.54	3.89
	77	62	40.60	30.97	4.23	45.94	30.94	4.32	48.44	34.16	4.36	51.91	35.88	4.36	55.53	37.34	4.45	57.25	40.87	4.47
	87	69	39.53	30.46	4.81	44.74	30.42	4.89	47.18	33.61	4.94	50.56	35.30	4.94	54.08	36.11	5.05	55.77	40.20	5.07
	95	75	38.42	29.22	5.18	43.47	29.18	5.28	45.86	32.23	5.33	48.34	33.84	5.33	52.55	34.63	5.44	54.18	38.55	5.46
07 + 09 + 09 + 09 + 09	104	78	32.59	26.71	4.70	36.90	26.69	4.79	38.92	29.49	4.81	41.69	30.96	4.81	44.61	31.69	4.93	46.00	35.28	4.95
	115	80	23.99	23.49	3.76	27.17	23.45	3.83	28.65	25.92	3.87	30.71	27.22	3.87	32.87	27.87	3.95	33.90	31.03	3.97
	14	12	32.94	27.08	1.85	37.28	27.05	1.89	39.32	29.88	1.89	42.14	31.14	1.89	45.09	31.88	1.93	46.49	35.29	1.95
	23	21	32.34	26.42	2.01	36.59	26.38	2.03	38.61	29.15	2.05	41.37	30.60	2.05	44.26	31.32	2.11	45.64	34.87	2.11
	32	28	32.07	26.18	2.13	36.27	26.15	2.16	38.30	28.95	2.18	41.00	30.33	2.18	43.85	31.07	2.22	45.30	34.54	2.24
	41	37	31.67	26.01	2.42	35.83	25.97	2.47	37.81	28.70	2.49	40.51	30.13	2.49	43.35	30.83	2.53	44.68	34.33	2.55
	50	47	31.94	26.13	2.74	36.16	26.11	2.79	38.16	28.84	2.81	40.88	30.29	2.81	43.73	31.01	2.88	45.10	34.51	2.91
	59	50	33.75	26.99	3.10	38.21	26.96	3.17	40.31	29.79	3.21	43.18	31.28	3.21	46.20	32.73	3.26	47.64	35.62	3.28
	67	53	40.86	30.72	3.59	46.23	30.68	3.65	48.76	33.89	3.69	52.25	35.58	3.69	55.89	37.29	3.78	57.62	40.53	3.80
	77	62	39.61	30.22	4.13	44.83	30.18	4.21	47.27	33.33	4.26	50.65	35.01	4.26	54.18	36.43	4.34	55.86	39.87	4.36
	87	69	38.57	29.72	4.69	43.65	29.68	4.77	46.03	32.80	4.82	49.33	34.44	4.82	52.77	35.23	4.92	54.42	39.22	4.94
07 + 09 + 09 + 09 + 12	95	75	37.49	28.51	5.05	42.41	28.47	5.16	44.74	31.45	5.20	47.17	33.02	5.20	51.27	33.79	5.30	52.86	37.62	5.32
	104	78	31.79	26.06	4.58	36.00	26.04	4.67	37.97	28.77	4.70	40.68	30.20	4.70	43.53	30.92	4.81	44.88	34.42	4.83
	115	80	23.40	22.92	3.67	26.51	22.88	3.73	27.96	25.29	3.77	29.97	26.56	3.77	32.07	27.19	3.85	33.07	30.28	3.87
	14	12	33.29	27.37	1.87	37.68	27.34	1.91	39.74	30.20	1.91	42.59	31.47	1.91	45.57	32.22	1.95	46.98	35.67	1.97
	23	21	32.68	26.70	2.03	36.98	26.66	2.05	39.02	29.46	2.07	41.81	30.93	2.07	44.73	31.65	2.13	46.13	35.24	2.13
	32	28	32.41	26.46	2.15	36.66	26.43	2.19	38.71	29.26	2.21	41.44	30.65	2.21	44.31	31.40	2.25	45.79	34.91	2.27
	41	37	32.00	26.28	2.45	36.22	26.25	2.49	38.21	29.00	2.52	40.95	30.45	2.52	43.81	31.16	2.56	45.16	34.70	2.58
	50	47	32.28	26.41	2.77	36.55	26.39	2.82	38.56	29.15	2.84	41.32	30.62	2.84	44.20	31.34	2.91	45.58	34.88	2.94
	59	50	34.11	27.28	3.14	38.62	27.25	3.20	40.74	30.11	3.25	43.64	31.62	3.25	46.69	33.08	3.29	48.15	36.00	3.31
	67	53	41.30	31.05	3.63	46.73	31.01	3.69	49.28	34.25	3.72	52.81	35.96	3.72	56.48	37.68	3.82	58.24	40.96	3.84
	77	62	40.04	30.54	4.18	45.30	30.51	4.26	47.77	33.69	4.30	51.19	35.38	4.30	54.76	36.82	4.39	56.46	40.30	4.41
07 + 09 + 09 + 09 + 18	87	69	38.98	30.04	4.74	44.12	30.00	4.83	46.52	33.15	4.87	49.86	34.81	4.87	53.33	35.61	4.98	55.00	39.64	5.00
	95	75	37.89	28.81	5.11	42.87	28.77	5.21	45.22	31.78	5.25	47.67	33.37	5.25	51.82	34.15	5.36	53.43	38.02	5.38
	104	78	32.13	26.34	4.63	36.38	26.32	4.72	38.38	29.08	4.75	41.11	30.53	4.75	43.99	31.25	4.86	45.36	34.79	4.89
	115	80	23.65	23.17	3.71	26.80	23.13	3.77	28.25	25.56	3.81	30.29	26.85	3.81	32.41	27.48	3.90	33.43	30.60	3.92
	14	12	33.99	27.95	1.91	38.48	27.91	1.95	40.58	30.84	1.95	43.49	32.14	1.95	46.53	32.90	1.99	47.98	36.42	2.02
	23	21	33.37	27.27	2.07	37.76	27.23	2.09	39.84	30.08	2.11	42.69	31.58	2.11	45.68	32.32	2.17	47.10	35.99	2.17
	32	28	33.10	27.02	2.19	37.44	26.99	2.23	39.53	29.87	2.25	42								

Indoor unit connecting capacity	Outdoor temperature		Indoor temperature																	
			64 °FDB/54 °FWB			70 °FDB/60 °FWB			75 °FDB/63 °FWB			80 °FDB/67 °FWB			85 °FDB/71 °FWB			90 °FDB/73 °FWB		
			TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
kBtu/h	°FDB	°FWB	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
09 + 09 + 09 + 09 + 09	14	12	33.17	27.28	1.86	37.55	27.24	1.90	39.60	30.09	1.90	42.44	31.36	1.90	45.41	32.11	1.95	46.82	35.55	1.97
	23	21	32.57	26.61	2.02	36.85	26.57	2.04	38.88	29.35	2.06	41.66	30.82	2.06	44.57	31.54	2.12	45.96	35.12	2.12
	32	28	32.30	26.37	2.14	36.53	26.34	2.18	38.57	29.15	2.20	41.29	30.54	2.20	44.16	31.29	2.24	45.63	34.78	2.26
	41	37	31.89	26.19	2.44	36.09	26.16	2.49	38.08	28.90	2.51	40.80	30.35	2.51	43.65	31.05	2.55	45.00	34.58	2.57
	50	47	32.17	26.32	2.76	36.42	26.30	2.81	38.43	29.05	2.83	41.17	30.51	2.83	44.04	31.23	2.90	45.42	34.76	2.93
	59	50	33.99	27.19	3.12	38.48	27.15	3.19	40.60	30.00	3.23	43.49	31.50	3.23	46.53	32.97	3.28	47.98	35.88	3.30
	67	53	41.15	30.94	3.62	46.56	30.90	3.67	49.10	34.13	3.71	52.62	35.83	3.71	56.28	37.55	3.80	58.03	40.82	3.82
	77	62	39.90	30.44	4.16	45.14	30.40	4.24	47.60	33.57	4.29	51.01	35.26	4.29	54.56	36.69	4.37	56.26	40.16	4.39
	87	69	38.84	29.93	4.72	43.96	29.89	4.81	46.36	33.03	4.85	49.68	34.69	4.85	53.14	35.48	4.96	54.81	39.50	4.98
	95	75	37.75	28.71	5.09	42.72	28.67	5.19	45.06	31.67	5.24	47.50	33.25	5.24	51.63	34.03	5.34	53.24	37.88	5.36
	104	78	32.02	26.25	4.62	36.25	26.23	4.71	38.24	28.97	4.73	40.97	30.42	4.73	43.84	31.14	4.84	45.20	34.67	4.87
09 + 09 + 09 + 09 + 12	115	80	23.57	23.08	3.70	26.70	23.05	3.76	28.16	25.47	3.80	30.18	26.75	3.80	32.30	27.38	3.88	33.31	30.49	3.90
	14	12	33.52	27.56	1.88	37.95	27.53	1.92	40.02	30.41	1.92	42.89	31.69	1.92	45.89	32.45	1.97	47.31	35.92	1.99
	23	21	32.91	26.89	2.04	37.24	26.85	2.06	39.29	29.66	2.08	42.10	31.14	2.08	45.05	31.87	2.14	46.45	35.49	2.14
	32	28	32.64	26.65	2.16	36.92	26.62	2.20	38.98	29.46	2.22	41.73	30.87	2.22	44.63	31.62	2.26	46.11	35.15	2.28
	41	37	32.23	26.47	2.47	36.47	26.43	2.51	38.48	29.21	2.53	41.23	30.67	2.53	44.12	31.38	2.58	45.48	34.94	2.60
	50	47	32.51	26.60	2.79	36.81	26.58	2.84	38.83	29.35	2.86	41.61	30.83	2.86	44.51	31.56	2.93	45.90	35.13	2.96
	59	50	34.35	27.47	3.16	38.89	27.44	3.22	41.03	30.32	3.27	43.95	31.84	3.27	47.02	33.32	3.31	48.49	36.26	3.34
	67	53	41.59	31.27	3.66	47.06	31.23	3.71	49.62	34.49	3.75	53.18	36.21	3.75	56.88	37.95	3.84	58.65	41.25	3.86
	77	62	40.32	30.76	4.20	45.62	30.72	4.29	48.11	33.93	4.33	51.55	35.63	4.33	55.14	37.08	4.42	56.85	40.58	4.44
	87	69	39.25	30.25	4.77	44.43	30.21	4.86	46.85	33.38	4.90	50.21	35.05	4.90	53.71	35.86	5.01	55.39	39.92	5.03
	95	75	38.15	29.01	5.14	43.17	28.98	5.25	45.54	32.01	5.29	48.01	33.60	5.29	52.18	34.39	5.40	53.80	38.29	5.42
09 + 09 + 09 + 09 + 18	104	78	32.36	26.52	4.66	36.64	26.51	4.76	38.65	29.28	4.78	41.40	30.74	4.78	44.30	31.47	4.90	45.68	35.03	4.92
	115	80	23.82	23.33	3.74	26.98	23.29	3.80	28.45	25.74	3.84	30.50	27.04	3.84	32.64	27.67	3.92	33.66	30.82	3.94
	14	12	34.23	28.14	1.92	38.74	28.11	1.96	40.86	31.05	1.96	43.79	32.36	1.96	46.85	33.13	2.01	48.31	36.68	2.03
	23	21	33.60	27.45	2.09	38.02	27.42	2.11	40.12	30.29	2.13	42.99	31.80	2.13	45.99	32.54	2.19	47.43	36.23	2.19
	32	28	33.32	27.21	2.21	37.69	27.17	2.25	39.80	30.08	2.27	42.60	31.52	2.27	45.56	32.28	2.31	47.08	35.89	2.33
	41	37	32.91	27.02	2.52	37.24	26.99	2.56	39.29	29.82	2.59	42.10	31.31	2.59	45.04	32.04	2.63	46.43	35.68	2.65
	50	47	33.19	27.16	2.85	37.58	27.14	2.90	39.65	29.97	2.92	42.48	31.48	2.92	45.44	32.23	2.99	46.87	35.86	3.02
	59	50	35.07	28.05	3.22	39.71	28.01	3.29	41.89	30.96	3.34	44.87	32.51	3.34	48.01	34.01	3.38	49.51	37.02	3.41
	67	53	42.46	31.92	3.73	48.04	31.89	3.79	50.67	35.21	3.83	54.29	36.97	3.83	58.07	38.75	3.93	59.88	42.11	3.94
	77	62	41.16	31.40	4.29	46.58	31.36	4.38	49.12	34.64	4.42	52.63	36.38	4.42	56.30	37.86	4.51	58.05	41.43	4.53
	87	69	40.08	30.88	4.87	45.36	30.84	4.96	47.83	34.08	5.01	51.26	35.79	5.01	54.83	36.61	5.12	56.55	40.75	5.14
09 + 09 + 09 + 12 + 12	95	75	38.95	29.62	5.25	44.08	29.59	5.36	46.50	32.68	5.40	49.01	34.31	5.40	53.28	35.12	5.51	54.93	39.09	5.53
	104	78	33.04	27.08	4.76	37.41	27.06	4.86	39.46	29.90	4.88	42.27	31.39	4.88	45.23	32.13	5.00	46.64	35.77	5.02
	115	80	24.32	23.82	3.82	27.55	23.78	3.88	29.05	26.28	3.92	31.14	27.60	3.92	33.32	28.26	4.01	34.37	31.46	4.03
	14	12	33.88	27.85	1.90	38.34	27.82	1.94	40.44	30.73	1.94	43.34	32.03	1.94	46.37	32.79	1.99	47.81	36.30	2.01
	23	21	33.26	27.17	2.06	37.63	27.13	2.09	39.71	29.98	2.11	42.55	31.47	2.11	45.52	32.21	2.17	46.94	35.86	2.17
	32	28	32.98	26.93	2.19	37.31	26.90	2.23	39.39	29.77	2.25	42.17	31.19	2.25	45.10	31.95	2.29	46.59	35.52	2.31
	41	37	32.57	26.75	2.49	36.85	26.71	2.54	38.88	29.51	2.56	41.67	30.99	2.56	44.58	31.71	2.60	45.95	35.31	2.63
	50	47	32.85	26.88	2.82	37.19	26.86	2.87	39.24	29.66	2.89	42.04	31.16	2.89	44.98	31.90	2.96	46.39	35.49	2.99
	59	50	34.71	27.76	3.19	39.30	27.72	3.26	41.46	30.64	3.30	44.41	32.17	3.30	47.51	33.66	3.35	49.00	36.64	3.37
	67	53	42.02	31.60	3.70	47.55	31.56	3.75	50.14	34.85	3.79	53.74	36.59	3.79	57.48	38.35	3.88	59.26	41.68	3.90
	77	62	40.74	31.08	4.25	46.10	31.04	4.33	48.61	34.28	4.38	52.09	36.01	4.38	55.72	37.47	4.46	57.45	41.01	4.48
09 + 09 + 12 + 12 + 12	87	69	39.66	30.56	4.82	44.89	30.53	4.91	47.34	33.73	4.95	50.74	35.42	4.95	54.27	36.24	5.06	55.97	40.34	5.09
	95	75	38.55	29.32	5.19	43.62	29.28	5.30	46.02	32.34	5.35	48.51	33.96	5.35	52.73	34.75	5.45	54.37	38.69	5.48
	104	78	32.70	26.80	4.71	37.02	26.78	4.81	39.05	29.59	4.83	41.84	31.06	4.83	44.77	31.80	4.95	46.16	35.40	4.97
	115	80	24.07	23.57	3.78	27.27	23.54	3.84	28.75	26.01	3.88	30.82	27.32	3.88	32.98	27.96	3.96	34.02	31.14	3.98
	14	12	34.23	28.14	1.92	38.74	28.11	1.96	40.86	31.05	1.96	43.79	32.36	1.96	46.85	33.13	2.01	48.31	36.68	2.03
	23	21	33.60	27.45	2.09	38.02	27.42	2.11	40.12	30.29	2.13	42.99	31.80	2.13	45.99	32.54	2.19	47.43	36.23	2.19
	32	28	33.32	27.21	2.21	37.69	27.17	2.25	39.80	30.08	2.27	42.60	31.52	2.27	45.56	32.28	2.31	47.08	35.89	2.33
	41	37	32.91	27.02	2.52	37.24	26.99	2.56	39.29	29.82	2.59	42.10	31.31	2.59	45.04	32.04	2.63	46.43	35.68	2.65
	50	47	33.19	27.16	2.85	37.58	27.14	2.90	39.65	29.97	2.92	42.48	31.48	2.92	45.44	32.23	2.99	46.87	35.86	3.02
	59	50	35.07	28.05	3.22	39.71	28.01	3.29	41.89	30.96	3.34	44.87	32.51	3.34	48.01	34.01	3.38	49.51	37.02	3.41
	67	53	42.46																	

■ Heating

- TC: Total Capacity (Gross)
- IP: Input Power (Including the compressor, evaporator fan motor, and condenser fan motor)

Indoor unit connecting capacity	Outdoor temperature		Indoor temperature									
			60 °FDB		65 °FDB		70 °FDB		75 °FDB		78 °FDB	
			TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
kBtu/h	°FDB	°FWB	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
07 + 09 + 18	-5	-7	31.24	2.94	30.43	2.99	29.69	3.07	29.09	3.12	28.19	3.18
	5	3	37.67	3.47	36.75	3.55	36.00	3.62	35.57	3.69	34.71	3.76
	14	12	42.34	4.07	41.29	4.15	38.71	4.25	39.27	4.33	38.18	4.41
	23	19	43.12	4.25	42.06	4.34	40.27	4.42	40.05	4.52	38.96	4.60
	32	28	45.25	4.37	44.08	4.46	43.15	4.54	41.91	4.65	40.82	4.74
	41	37	46.85	4.59	45.63	4.68	44.70	4.76	43.46	4.87	42.38	4.97
	47	43	48.43	4.33	47.19	4.35	46.35	4.45	45.01	4.54	43.77	4.63
	50	47	44.03	3.62	42.90	3.65	42.14	3.73	40.92	3.81	39.79	3.89
	59	50	39.53	2.98	38.51	3.00	37.83	3.08	36.74	3.15	35.73	3.19
	68	59	34.93	2.40	34.03	2.42	33.43	2.48	32.46	2.53	31.57	2.58
07 + 09 + 24	75	65	25.19	1.71	24.55	1.73	24.11	1.77	23.42	1.81	22.77	1.84
	-5	-7	31.24	2.94	30.43	2.99	29.69	3.07	29.09	3.12	28.19	3.18
	5	3	37.67	3.47	36.75	3.55	36.00	3.62	35.57	3.69	34.71	3.76
	14	12	42.77	4.11	41.70	4.20	39.09	4.29	39.66	4.37	38.57	4.46
	23	19	43.99	4.34	42.91	4.42	41.07	4.51	40.85	4.61	39.74	4.70
	32	28	46.61	4.50	45.41	4.59	44.45	4.68	43.17	4.79	42.05	4.88
	41	37	48.73	4.78	47.47	4.87	46.50	4.95	45.21	5.07	44.08	5.17
	47	43	50.86	4.55	49.55	4.67	48.67	4.76	47.27	4.76	45.97	4.86
	50	47	46.23	3.81	45.05	3.83	44.25	3.92	42.97	4.00	41.79	4.08
	59	50	41.51	3.13	40.44	3.15	39.73	3.23	38.58	3.30	37.52	3.35
07 + 12 + 18	68	59	36.68	2.52	35.74	2.55	35.10	2.60	34.09	2.66	33.15	2.71
	75	65	26.46	1.79	25.78	1.81	25.32	1.86	24.59	1.90	23.91	1.93
	-5	-7	31.24	2.94	30.43	2.99	29.69	3.07	29.09	3.12	28.19	3.18
	5	3	37.67	3.47	36.75	3.55	36.00	3.62	35.57	3.69	34.71	3.76
	14	12	42.61	4.10	41.54	4.18	38.94	4.27	39.51	4.36	38.42	4.44
	23	19	43.65	4.30	42.58	4.39	40.76	4.48	40.54	4.57	39.44	4.66
	32	28	46.08	4.45	44.90	4.54	43.95	4.63	42.69	4.73	41.58	4.82
	41	37	48.00	4.71	46.76	4.80	45.81	4.88	44.53	4.99	43.42	5.09
	47	43	49.92	4.46	48.64	4.49	47.78	4.58	46.40	4.68	45.12	4.77
	50	47	45.38	3.74	44.22	3.76	43.44	3.85	42.18	3.93	41.02	4.01
07 + 12 + 24	59	50	40.74	3.07	39.70	3.09	39.00	3.17	37.87	3.24	36.83	3.29
	68	59	36.00	2.47	35.08	2.50	34.46	2.55	33.47	2.61	32.54	2.66
	75	65	25.97	1.76	25.30	1.78	24.86	1.82	24.14	1.86	23.47	1.89
	-5	-7	31.24	2.94	30.43	2.99	29.69	3.07	29.09	3.12	28.19	3.18
	5	3	37.67	3.47	36.75	3.55	36.00	3.62	35.57	3.69	34.71	3.76
	14	12	42.90	4.13	41.83	4.21	39.21	4.30	39.79	4.39	38.69	4.47
	23	19	44.25	4.36	43.17	4.45	41.32	4.54	41.10	4.64	39.98	4.72
	32	28	47.03	4.54	45.82	4.63	44.85	4.72	43.56	4.83	42.43	4.92
	41	37	49.30	4.83	48.03	4.93	47.05	5.01	45.74	5.13	44.60	5.23
	47	43	51.60	4.61	50.28	4.64	49.39	4.74	47.97	4.83	46.64	4.93
07 + 18 + 24	50	47	46.91	3.86	45.71	3.89	44.90	3.98	43.61	4.06	42.40	4.14
	59	50	42.12	3.18	41.04	3.20	40.31	3.28	39.15	3.35	38.07	3.40
	68	59	37.22	2.56	36.26	2.58	35.62	2.64	34.59	2.70	33.64	2.75
	75	65	26.84	1.82	26.16	1.84	25.69	1.88	24.95	1.92	24.26	1.96
	-5	-7	28.86	5.45	28.12	5.35	27.43	5.26	26.88	5.13	26.05	5.03
	5	3	34.80	5.72	33.96	5.62	33.26	5.51	32.86	5.41	32.07	5.29
	14	12	40.78	5.93	39.76	5.82	38.83	5.71	37.82	5.59	36.77	5.48
	23	19	44.01	6.17	42.93	6.06	41.84	5.93	40.76	5.81	39.68	5.75
	32	28	47.10	6.32	45.89	6.21	44.92	6.07	43.63	5.95	42.50	5.83
	41	37	50.59	6.40	49.29	6.28	48.28	6.13	46.94	6.03	45.77	5.92
09 + 09 + 18	47	43	53.58	6.47	51.97	6.34	50.76	6.21	49.55	6.14	48.34	6.05
	50	47	49.26	6.08	48.00	5.96	47.15	5.84	45.79	5.71	44.53	5.67
	59	50	44.23	5.66	43.09	5.57	42.33	5.45	41.11	5.32	39.98	5.28
	68	59	39.08	5.21	38.08	5.10	37.41	4.99	36.33	4.89	35.29	4.84
	75	65	28.19	3.88	27.47	3.81	26.98	3.74	26.20	3.65	25.48	3.60
	-5	-7	31.24	2.94	30.43	2.99	29.69	3.07	29.09	3.12	28.19	3.18
	5	3	37.67	3.47	36.75	3.55	36.00	3.62	35.57	3.69	34.71	3.76
	14	12	42.34	4.07	41.29	4.15	38.71	4.25	39.27	4.33	38.18	4.41
	23	19	43.12	4.25	42.06	4.34	40.27	4.42	40.05	4.52	38.96	4.60
	32	28	45.25	4.37	44.08	4.46	43.15	4.54	41.91	4.65	40.82	4.74
09 + 09 + 24	41	37	46.85	4.59	45.63	4.68	44.70	4.76	43.46	4.87	42.38	4.97
	47	43	48.43	4.33	47.19	4.35	46.35	4.45	45.01	4.54	43.77	4.63
	50	47	44.03	3.62	42.90	3.65	42.14	3.73	40.92	3.81	39.79	3.89
	59	50	39.53	2.98	38.51	3.00	37.83	3.08	36.74	3.15	35.73	3.19
	68	59	34.93	2.40	34.03	2.42	33.43	2.48	32.46	2.53	31.57	2.58
	75	65	25.19	1.71	24.55	1.73	24.11	1.77	23.42	1.81	22.77	1.84
	-5	-7	31.24	2.94	30.43	2.99	29.69	3.07	29.09	3.12	28.19	3.18
	5	3	37.67	3.47	36.75	3.55	36.00	3.62	35.57	3.69	34.71	3.76
	14	12	42.80	4.12	41.73	4.20	39.12	4.29	39.69	4.38	38.60	4.46
	23	19	44.05	4.34	42.97	4.43	41.14	4.52	40.91	4.62	39.80	4.70
	32	28	46.71	4.51	45.51	4.60	44.55	4.69	43.27	4.80	42.15	4.89
	41	37	48.87	4.79	47.61	4.88	46.64	4.97	45.34	5.08	44.21	5.18
	47	43	51.04	4.56	49.74	4.59	48.85	4.69	47.45	4.78	46.14	4.88
	50	47	46.40	3.82	45.21	3.85	44.41	3.94	43.13	4.02	41.94	4.10
	59	50	41.66	3.14	40.59	3.16	39.87	3.24	38.72	3.32	37.65	3.37
	68	59	36.81	2.53	35.87	2.56	35.23	2.61	34.22	2.67	33.27	2.72
	75	65	26.55	1.80	25.87	1.82	25.41	1.86	24.68	1.90	24.00	1.94

Indoor unit connecting capacity	Outdoor temperature		Indoor temperature									
			60 °FDB		65 °FDB		70 °FDB		75 °FDB		78 °FDB	
	°FDB	°FWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
kBtu/h	°FDB	°FWB	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
09 + 12 + 18	-5	-7	31.24	2.94	30.43	2.99	29.69	3.07	29.09	3.12	28.19	3.18
	5	3	37.67	3.47	36.75	3.55	36.00	3.62	35.57	3.69	34.71	3.76
	14	12	42.61	4.10	41.54	4.18	38.94	4.27	39.51	4.36	38.42	4.44
	23	19	43.65	4.30	42.58	4.39	40.76	4.48	40.54	4.57	39.44	4.66
	32	28	46.08	4.45	44.90	4.54	43.95	4.63	42.69	4.73	41.58	4.82
	41	37	48.00	4.71	46.76	4.80	45.81	4.88	44.53	4.99	43.42	5.09
	47	43	49.92	4.46	48.64	4.49	47.78	4.58	46.40	4.68	45.12	4.77
	50	47	45.38	3.74	44.22	3.76	43.44	3.85	42.18	3.93	41.02	4.01
	59	50	40.74	3.07	39.70	3.09	39.00	3.17	37.87	3.24	36.83	3.29
	68	59	36.00	2.47	35.08	2.50	34.46	2.55	33.47	2.61	32.54	2.66
09 + 12 + 24	75	65	25.97	1.76	25.30	1.78	24.86	1.82	24.14	1.86	23.47	1.89
	-5	-7	31.24	2.94	30.43	2.99	29.69	3.07	29.09	3.12	28.19	3.18
	5	3	37.67	3.47	36.75	3.55	36.00	3.62	35.57	3.69	34.71	3.76
	14	12	42.90	4.13	41.83	4.21	39.21	4.30	39.79	4.39	38.69	4.47
	23	19	44.25	4.36	43.17	4.45	41.32	4.54	41.10	4.64	39.98	4.72
	32	28	47.03	4.54	45.82	4.63	44.85	4.72	43.56	4.83	42.43	4.92
	41	37	49.30	4.83	48.03	4.93	47.05	5.01	45.74	5.13	44.60	5.23
	47	43	51.60	4.61	50.28	4.64	49.39	4.74	47.97	4.83	46.64	4.93
	50	47	46.91	3.86	45.71	3.89	44.90	3.98	43.61	4.06	42.40	4.14
	59	50	42.12	3.18	41.04	3.20	40.31	3.28	39.15	3.35	38.07	3.40
09 + 18 + 24	68	59	37.22	2.56	36.26	2.58	35.62	2.64	34.59	2.70	33.64	2.75
	75	65	26.84	1.82	26.16	1.84	25.69	1.88	24.95	1.92	24.26	1.96
	-5	-7	28.86	5.45	28.12	5.35	27.43	5.26	26.88	5.13	26.05	5.03
	5	3	34.80	5.72	33.96	5.62	33.26	5.51	32.86	5.41	32.07	5.29
	14	12	40.78	5.93	39.76	5.82	38.83	5.71	37.82	5.59	36.77	5.48
	23	19	44.01	6.17	42.93	6.06	41.84	5.93	40.76	5.81	39.68	5.75
	32	28	47.10	6.32	45.89	6.21	44.92	6.07	43.63	5.95	42.50	5.83
	41	37	50.59	6.40	49.29	6.28	48.28	6.13	46.94	6.03	45.77	5.92
	47	43	53.58	6.47	51.97	6.34	50.76	6.21	49.55	6.14	48.34	6.05
	50	47	49.26	6.08	48.00	5.96	47.15	5.84	45.79	5.71	44.53	5.67
12 + 12 + 18	59	50	44.23	5.66	43.09	5.57	42.33	5.45	41.11	5.32	39.98	5.28
	68	59	39.08	5.21	38.08	5.10	37.41	4.99	36.33	4.89	2.89	4.84
	75	65	28.19	3.88	27.47	3.81	26.98	3.74	26.20	3.65	25.48	3.60
	-5	-7	31.24	2.94	30.43	2.99	29.69	3.07	29.09	3.12	28.19	3.18
	5	3	37.67	3.47	36.75	3.55	36.00	3.62	35.57	3.69	34.71	3.76
	14	12	42.77	4.11	41.70	4.20	39.09	4.29	39.66	4.37	38.57	4.46
	23	19	43.99	4.34	42.91	4.42	41.07	4.51	40.85	4.61	39.74	4.70
	32	28	46.61	4.50	45.41	4.59	44.45	4.68	43.17	4.79	42.05	4.88
	41	37	48.73	4.78	47.47	4.87	46.50	4.95	45.21	5.07	44.08	5.17
	47	43	50.86	4.55	49.55	4.57	48.67	4.67	47.27	4.76	45.97	4.86
12 + 12 + 24	50	47	46.23	3.81	45.05	3.83	44.25	3.92	42.97	4.00	41.79	4.08
	59	50	41.51	3.13	40.44	3.15	39.73	3.23	38.58	3.30	37.52	3.35
	68	59	36.68	2.52	35.74	2.55	35.10	2.60	34.09	2.66	33.15	2.71
	75	65	26.46	1.79	25.78	1.81	25.32	1.86	24.59	1.90	23.91	1.93
	-5	-7	31.24	2.94	30.43	2.99	29.69	3.07	29.09	3.12	28.19	3.18
	5	3	37.67	3.47	36.75	3.55	36.00	3.62	35.57	3.69	34.71	3.76
	14	12	43.16	4.15	42.09	4.24	39.45	4.33	40.03	4.41	38.92	4.50
	23	19	44.78	4.41	43.69	4.50	41.82	4.59	41.59	4.69	40.46	4.78
	32	28	47.87	4.62	46.63	4.71	45.65	4.81	44.33	4.92	43.19	5.01
	41	37	50.46	4.95	49.16	5.04	48.15	5.13	46.82	5.25	45.64	5.35
12 + 18 + 24	47	43	53.10	4.75	51.74	4.77	50.82	4.87	49.36	4.97	47.99	5.07
	50	47	48.27	3.97	47.03	4.00	46.20	4.09	44.87	4.18	43.63	4.26
	59	50	43.34	3.27	42.23	3.29	41.48	3.37	40.28	3.45	39.17	3.50
	68	59	38.30	2.63	37.31	2.66	36.65	2.71	35.60	2.78	34.61	2.83
	75	65	27.62	1.87	26.91	1.89	26.44	1.94	25.67	1.98	24.97	2.01
	-5	-7	28.86	5.45	28.12	5.35	27.43	5.26	26.88	5.13	26.05	5.03
	5	3	34.80	5.72	33.96	5.62	33.26	5.51	32.86	5.41	32.07	5.29
	14	12	40.85	5.94	39.84	5.83	38.90	5.72	37.89	5.60	36.84	5.49
	23	19	44.17	6.20	43.08	6.08	41.99	5.95	40.91	5.84	39.82	5.77
	32	28	47.35	6.36	46.13	6.24	45.15	6.10	43.85	5.98	42.72	5.86
07 + 07 + 07 + 18	41	37	50.93	6.44	49.61	6.32	48.60	6.17	47.25	6.07	46.07	5.96
	47	43	54.01	6.52	52.38	6.39	51.17	6.26	49.95	6.19	48.73	6.10
	50	47	49.66	6.13	48.39	6.01	47.53	5.89	46.16	5.75	44.89	5.71
	59	50	44.58	5.70	43.44	5.62	42.67	5.50	41.44	5.36	40.30	5.33
	68	59	39.40	5.25	38.39	5.15	37.71	5.03	36.62	4.93	35.61	4.88
	75	65	28.42	3.91	27.69	3.84	27.20	3.77	26.41	3.67	25.69	3.63
	-5	-7	29.16	5.51	28.40	5.40	27.71	5.32	27.15	5.18	26.31	5.08
	5	3	35.15	5.78	34.30	5.68	33.60	5.57	33.19	5.46	32.40	5.34
	14	12	40.45	5.89	39.44	5.78	38.51	5.67	37.51	5.54	36.47	5.43
	23	19	42.91	6.02	41.85	5.91	40.80	5.78	39.74	5.67	38.69	5.60
07 + 07 + 07 + 24	32	28	45.19	6.07	44.03	5.96	43.10	5.82	41.86	5.71	40.77	5.60
	41	37	47.81	6.05	46.58	5.93	45.62	5.80	44.36	5.70	43.25	5.59
	47	43	49.91	6.03	48.41	5.91	47.28	5.79	46.16	5.72	45.03	5.64
	50	47	45.89	5.66	44.72	5.55	43.92	5.44	42.66	5.32	41.48	5.28
	59	50	41.20	5.27	40.15	5.19	39.43	5.08	38.30	4.96	37.24	4.92
	68	59	36.41	4.85	35.47	4.76	34.85	4.65	33.84	4.55	32.91	4.51
	75	65	26.26	3.61	25.59	3.55	25.13	3.48	24.41	3.40	23.74	3.35
	-5	-7	29.16	5.51	28.40	5.40	27.71	5.32	27.15	5.18	26.31	5.08
	5	3	35.15	5.78	34.30	5.68	33.60	5.57	33.19	5.46	32.40	5.34
	14	12	41.47	6.03	40.44	5.92	39.49	5.81	38.46	5.68	37.40	5.57

Indoor unit connecting capacity	Outdoor temperature		Indoor temperature									
			60 °FDB		65 °FDB		70 °FDB		75 °FDB		78 °FDB	
	°FDB	°FWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
kBtu/h			kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
07 + 07 + 09 + 12	-5	-7	29.16	5.51	28.40	5.40	27.71	5.32	27.15	5.18	26.31	5.08
	5	3	35.15	5.78	34.30	5.68	33.60	5.57	33.19	5.46	32.40	5.34
	14	12	39.76	5.79	38.77	5.68	37.86	5.57	36.87	5.45	35.85	5.34
	23	19	41.49	5.82	40.47	5.71	39.45	5.59	38.43	5.48	37.41	5.42
	32	28	43.00	5.77	41.89	5.67	41.01	5.54	39.83	5.43	38.79	5.33
	41	37	44.78	5.67	43.62	5.56	42.73	5.43	41.55	5.34	40.51	5.24
	47	43	46.04	5.56	44.66	5.45	43.62	5.34	42.58	5.28	41.54	5.20
	50	47	42.34	5.22	41.25	5.12	40.52	5.02	39.35	4.90	38.27	4.87
	59	50	38.01	4.86	37.03	4.79	36.38	4.69	35.33	4.57	34.35	4.54
	68	59	33.59	4.48	32.72	4.39	32.14	4.29	31.22	4.20	30.36	4.16
07 + 07 + 09 + 18	75	65	24.22	3.33	23.60	3.28	23.19	3.21	22.52	3.13	21.90	3.09
	-5	-7	29.16	5.51	28.40	5.40	27.71	5.32	27.15	5.18	26.31	5.08
	5	3	35.15	5.78	34.30	5.68	33.60	5.57	33.19	5.46	32.40	5.34
	14	12	40.79	5.94	39.77	5.83	38.84	5.72	37.83	5.59	36.78	5.48
	23	19	43.62	6.12	42.55	6.01	41.47	5.88	40.40	5.76	39.33	5.70
	32	28	46.29	6.22	45.10	6.10	44.15	5.96	42.87	5.85	41.76	5.73
	41	37	49.32	6.24	48.05	6.12	47.07	5.98	45.76	5.88	44.62	5.77
	47	43	51.85	6.26	50.29	6.14	49.12	6.01	47.95	5.94	46.78	5.86
	50	47	47.67	5.88	46.45	5.77	45.63	5.65	44.31	5.52	43.09	5.48
	59	50	42.80	5.48	41.70	5.39	40.96	5.28	39.78	5.15	38.68	5.11
07 + 07 + 09 + 24	68	59	37.82	5.04	36.85	4.94	36.20	4.83	35.15	4.73	34.18	4.68
	75	65	27.28	3.75	26.58	3.69	26.11	3.62	25.36	3.53	24.66	3.48
	-5	-7	29.16	5.51	28.40	5.40	27.71	5.32	27.15	5.18	26.31	5.08
	5	3	35.15	5.78	34.30	5.68	33.60	5.57	33.19	5.46	32.40	5.34
	14	12	41.09	5.98	40.06	5.87	39.12	5.76	38.10	5.63	37.05	5.52
	23	19	44.24	6.21	43.15	6.09	42.06	5.96	40.98	5.85	39.89	5.78
	32	28	47.25	6.34	46.03	6.23	45.06	6.09	43.76	5.97	42.63	5.85
	41	37	50.65	6.41	49.34	6.28	48.33	6.14	46.99	6.04	45.82	5.92
	47	43	53.54	6.46	51.93	6.34	50.72	6.21	49.51	6.13	48.31	6.05
	50	47	49.23	6.07	47.97	5.95	47.12	5.83	45.76	5.70	44.50	5.66
07 + 07 + 12 + 12	59	50	44.20	5.66	43.06	5.57	42.30	5.45	41.08	5.32	39.95	5.28
	68	59	39.05	5.20	38.05	5.10	37.38	4.99	36.30	4.89	35.30	4.83
	75	65	28.17	3.88	27.45	3.81	26.96	3.73	26.18	3.64	25.46	3.60
	-5	-7	29.16	5.51	28.40	5.40	27.71	5.32	27.15	5.18	26.31	5.08
	5	3	35.15	5.78	34.30	5.68	33.60	5.57	33.19	5.46	32.40	5.34
	14	12	40.27	5.86	39.27	5.75	38.35	5.64	37.35	5.52	36.32	5.41
	23	19	42.55	5.97	41.51	5.86	40.46	5.73	39.41	5.62	38.37	5.56
	32	28	44.64	5.99	43.49	5.88	42.58	5.75	41.35	5.64	40.28	5.53
	41	37	47.05	5.95	45.84	5.84	44.90	5.70	43.65	5.61	42.56	5.50
	47	43	48.94	5.91	47.47	5.79	46.37	5.68	45.26	5.61	44.16	5.53
07 + 07 + 12 + 18	50	47	45.00	5.55	43.85	5.44	43.07	5.33	41.83	5.21	40.68	5.18
	59	50	40.40	5.17	39.37	5.09	38.67	4.98	37.55	4.86	36.52	4.83
	68	59	35.70	4.76	34.79	4.66	34.17	4.56	33.19	4.47	32.27	4.42
	75	65	25.75	3.54	25.09	3.48	24.65	3.41	23.94	3.33	23.28	3.29
	-5	-7	29.16	5.51	28.40	5.40	27.71	5.32	27.15	5.18	26.31	5.08
	5	3	35.15	5.78	34.30	5.68	33.60	5.57	33.19	5.46	32.40	5.34
	14	12	41.01	5.97	39.99	5.86	39.05	5.75	38.03	5.62	36.98	5.51
	23	19	44.08	6.18	43.00	6.07	41.91	5.94	40.83	5.82	39.74	5.76
	32	28	47.00	6.31	45.79	6.19	44.82	6.05	43.54	5.94	42.41	5.82
	41	37	50.31	6.36	49.01	6.24	48.01	6.10	46.68	6.00	45.51	5.88
07 + 07 + 12 + 24	47	43	53.10	6.41	51.51	6.29	50.31	6.16	49.11	6.09	47.91	6.00
	50	47	48.83	6.02	47.58	5.91	46.73	5.79	45.39	5.66	44.13	5.62
	59	50	43.84	5.61	42.71	5.53	41.96	5.40	40.75	5.27	39.62	5.24
	68	59	38.74	5.16	37.74	5.06	37.07	4.95	36.01	4.85	35.01	4.79
	75	65	27.94	3.84	27.22	3.78	26.74	3.70	25.97	3.61	25.25	3.57
	-5	-7	29.16	5.51	28.40	5.40	27.71	5.32	27.15	5.18	26.31	5.08
	5	3	35.15	5.78	34.30	5.68	33.60	5.57	33.19	5.46	32.40	5.34
	14	12	41.16	5.99	40.14	5.88	39.20	5.77	38.18	5.64	37.12	5.53
	23	19	44.40	6.23	43.31	6.11	42.22	5.98	41.12	5.87	40.03	5.80
	32	28	47.50	6.38	46.27	6.26	45.30	6.12	43.99	6.00	42.85	5.88
07 + 09 + 09 + 09	41	37	50.99	6.45	49.67	6.33	48.66	6.18	47.31	6.08	46.12	5.96
	47	43	53.97	6.52	52.35	6.39	51.13	6.26	49.92	6.18	48.70	6.10
	50	47	49.63	6.12	48.36	6.00	47.50	5.88	46.13	5.75	44.86	5.71
	59	50	44.56	5.70	43.41	5.62	42.64	5.49	41.41	5.36	40.27	5.32
	68	59	39.37	5.25	38.36	5.14	37.68	5.03	36.60	4.92	35.59	4.87
	75	65	28.40	3.91	27.67	3.84	27.18	3.76	26.40	3.67	25.67	3.63
	-5	-7	29.16	5.51	28.40	5.40	27.71	5.32	27.15	5.18	26.31	5.08
	5	3	35.15	5.78	34.30	5.68	33.60	5.57	33.19	5.46	32.40	5.34
	14	12	39.59	5.76	38.60	5.65	37.70	5.55	36.72	5.43	35.70	5.32
	23	19	41.13	5.77	40.12	5.66	39.11	5.54	38.10	5.43	37.09	5.37
07 + 09 + 09 + 12	32	28	42.45	5.70	41.36	5.59	40.48	5.47	39.32	5.36	38.30	5.26
	41	37	44.03	5.57	42.89	5.46	42.01	5.34	40.85	5.25	39.82	5.15
	47	43	45.07	5.44	43.72	5.34	42.70	5.23	41.69	5.17	40.67	5.09
	50	47	41.45	5.11	40.38	5.01	39.67	4.91	38.52	4.80	37.46	4.77
	59	50	37.21	4.76	36.26	4.69	35.61	4.59	34.59	4.48	33.63	4.44
	68	59	32.88	4.38	32.04	4.29	31.47	4.20	30.56	4.11	29.72	4.07
	75	65	23.72	3.26	23.11	3.21	22.70	3.14	22.04	3.07	21.44	3.03
	-5	-7	29.16	5.51	28.40	5.40	27.71	5.32	27.15	5.18	26.31	5.08
	5	3	35.15	5.78	34.30	5.68	33.60	5.57	33.19	5.46	32.40	5.34
	14	12	40.10	5.84	39.10	5.73	38.19	5.62	37.19	5.50	36.16	5.39
07 + 09 + 09 + 12	23	19	42.20	5.92	41.16	5.81	40.12	5.69	39.09	5.58	38.05	5.51
	32	28	44.09	5.92	42.96	5.81	42.05	5.68	40.84	5.57	39.78	5.46
	41	37	46.30	5.86	45.10	5.74	44.18	5.61	42.95	5.52	41.88	5.42
	47	43	47.98	5.79	46.53	5.68	45.45	5.56	44.37	5.50	43.29	5.42
	50	47	44.11	5.44	42.98	5.34	42.22	5.23	41.00	5.11	39.87	5.07
	59	50	39.60	5.07	38.59	4.99	37.91	4.88	36.81	4.76	35.80	4.73
	68	59	35.00	4.66	34.10	4.57	33.50	4.47	32.53	4.38	31.63	4.33
	75	65	25.24	3.47	24.60	3.41	24.16	3.35	23.46	3.26	22.82	3.22

Indoor unit connecting capacity	Outdoor temperature		Indoor temperature									
			60 °FDB		65 °FDB		70 °FDB		75 °FDB		78 °FDB	
			TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
kBtu/h	°FDB	°FWB	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
07 + 09 + 09 + 18	-5	-7	29.16	5.51	28.40	5.40	27.71	5.32	27.15	5.18	26.31	5.08
	5	3	35.15	5.78	34.30	5.68	33.60	5.57	33.19	5.46	32.40	5.34
	14	12	40.98	5.96	39.96	5.85	39.02	5.74	38.01	5.62	36.96	5.51
	23	19	44.03	6.18	42.94	6.06	41.86	5.93	40.78	5.82	39.70	5.75
	32	28	46.92	6.30	45.71	6.18	44.75	6.04	43.46	5.93	42.33	5.81
	41	37	50.20	6.35	48.90	6.23	47.90	6.09	46.57	5.98	45.41	5.87
	47	43	52.96	6.39	51.37	6.27	50.17	6.14	48.98	6.07	47.78	5.98
	50	47	48.70	6.01	47.45	5.89	46.61	5.77	45.26	5.64	44.01	5.60
	59	50	43.72	5.59	42.60	5.51	41.84	5.39	40.64	5.26	39.51	5.22
	68	59	38.63	5.15	37.64	5.05	36.97	4.93	35.91	4.83	34.92	4.78
07 + 09 + 09 + 24	75	65	27.86	3.83	27.15	3.77	26.67	3.69	25.90	3.60	25.19	3.56
	-5	-7	29.16	5.51	28.40	5.40	27.71	5.32	27.15	5.18	26.31	5.08
	5	3	35.15	5.78	34.30	5.68	33.60	5.57	33.19	5.46	32.40	5.34
	14	12	41.14	5.99	40.11	5.88	39.17	5.76	38.15	5.64	37.10	5.53
	23	19	44.35	6.22	43.26	6.11	42.16	5.97	41.07	5.86	39.98	5.79
	32	28	47.41	6.37	46.19	6.25	45.22	6.11	43.92	5.99	42.78	5.87
	41	37	50.88	6.44	49.56	6.31	48.55	6.17	47.20	6.06	46.02	5.95
	47	43	53.83	6.50	52.21	6.37	51.00	6.24	49.78	6.17	48.57	6.08
	50	47	49.50	6.11	48.23	5.99	47.37	5.87	46.01	5.73	44.74	5.69
	59	50	44.44	5.69	43.30	5.60	42.53	5.48	41.30	5.35	40.16	5.31
07 + 09 + 12 + 12	68	59	39.27	5.23	38.26	5.13	37.58	5.02	36.50	4.91	35.49	4.86
	75	65	28.32	3.90	27.60	3.83	27.11	3.75	26.33	3.66	25.60	3.62
	-5	-7	29.16	5.51	28.40	5.40	27.71	5.32	27.15	5.18	26.31	5.08
	5	3	35.15	5.78	34.30	5.68	33.60	5.57	33.19	5.46	32.40	5.34
	14	12	40.62	5.91	39.60	5.80	38.67	5.69	37.67	5.57	36.63	5.46
	23	19	43.26	6.07	42.20	5.96	41.14	5.83	40.07	5.72	39.01	5.65
	32	28	45.74	6.14	44.56	6.03	43.62	5.89	42.37	5.78	41.27	5.67
	41	37	48.57	6.14	47.31	6.03	46.35	5.89	45.06	5.79	43.93	5.68
	47	43	50.88	6.14	49.35	6.02	48.20	5.90	47.05	5.83	45.91	5.75
	50	47	46.78	5.77	45.58	5.66	44.78	5.54	43.48	5.42	42.28	5.38
07 + 09 + 12 + 18	59	50	42.00	5.37	40.92	5.29	40.20	5.18	39.04	5.05	37.96	5.02
	68	59	37.11	4.95	36.16	4.85	35.52	4.74	34.50	4.64	33.55	4.59
	75	65	26.77	3.68	26.08	3.62	25.62	3.55	24.88	3.46	24.20	3.42
	-5	-7	29.16	5.51	28.40	5.40	27.71	5.32	27.15	5.18	26.31	5.08
	5	3	35.15	5.78	34.30	5.68	33.60	5.57	33.19	5.46	32.40	5.34
	14	12	41.06	5.97	40.04	5.86	39.10	5.75	38.08	5.63	37.03	5.52
	23	19	44.19	6.20	43.10	6.08	42.01	5.95	40.93	5.84	39.84	5.77
	32	28	47.17	6.33	45.95	6.22	44.98	6.08	43.69	5.96	42.55	5.84
	41	37	50.54	6.39	49.23	6.27	48.23	6.13	46.89	6.02	45.71	5.91
	47	43	53.39	6.45	51.79	6.32	50.58	6.19	49.38	6.12	48.17	6.03
07 + 09 + 12 + 24	50	47	49.10	6.06	47.84	5.94	46.99	5.82	45.63	5.69	44.38	5.65
	59	50	44.08	5.64	42.95	5.56	42.18	5.43	40.97	5.30	39.84	5.27
	68	59	38.95	5.19	37.95	5.09	37.28	4.98	36.20	4.87	35.20	4.82
	75	65	28.09	3.86	27.37	3.80	26.89	3.72	26.11	3.63	25.39	3.59
	-5	-7	29.16	5.51	28.40	5.40	27.71	5.32	27.15	5.18	26.31	5.08
	5	3	35.15	5.78	34.30	5.68	33.60	5.57	33.19	5.46	32.40	5.34
	14	12	41.21	6.00	40.19	5.89	39.24	5.78	38.22	5.65	37.17	5.54
	23	19	44.51	6.24	43.41	6.13	42.32	6.00	41.22	5.88	40.13	5.81
	32	28	47.66	6.40	46.43	6.28	45.45	6.14	44.14	6.02	43.00	5.90
	41	37	51.22	6.48	49.89	6.35	48.88	6.21	47.52	6.10	46.33	5.99
07 + 12 + 12 + 12	47	43	54.26	6.55	52.63	6.42	51.41	6.29	50.18	6.22	48.96	6.13
	50	47	49.90	6.16	48.62	6.03	47.75	5.91	46.38	5.78	45.10	5.74
	59	50	44.80	5.73	43.65	5.65	42.87	5.52	41.64	5.39	40.49	5.35
	68	59	39.58	5.27	38.57	5.17	37.88	5.06	36.79	4.95	35.78	4.90
	75	65	28.55	3.93	27.82	3.86	27.33	3.78	26.54	3.69	25.81	3.65
	-5	-7	29.16	5.51	28.40	5.40	27.71	5.32	27.15	5.18	26.31	5.08
	5	3	35.15	5.78	34.30	5.68	33.60	5.57	33.19	5.46	32.40	5.34
	14	12	40.98	5.96	39.96	5.85	39.02	5.74	38.01	5.62	36.96	5.51
	23	19	44.03	6.18	42.94	6.06	41.86	5.93	40.78	5.82	39.70	5.75
	32	28	46.92	6.30	45.71	6.18	44.75	6.04	43.46	5.93	42.33	5.81
07 + 12 + 12 + 18	41	37	50.20	6.35	48.90	6.23	47.90	6.09	46.57	5.98	45.41	5.87
	47	43	52.96	6.39	51.37	6.27	50.17	6.14	48.98	6.07	47.78	5.98
	50	47	48.70	6.01	47.45	5.89	46.61	5.77	45.26	5.64	44.01	5.60
	59	50	43.72	5.59	42.60	5.51	41.84	5.39	40.64	5.26	39.51	5.22
	68	59	38.63	5.15	37.64	5.05	36.97	4.93	35.91	4.83	34.92	4.78
	75	65	27.86	3.83	27.15	3.77	26.67	3.69	25.90	3.60	25.19	3.56
	-5	-7	29.16	5.51	28.40	5.40	27.71	5.32	27.15	5.18	26.31	5.08
	5	3	35.15	5.78	34.30	5.68	33.60	5.57	33.19	5.46	32.40	5.34
	14	12	41.14	5.99	40.11	5.88	39.17	5.76	38.15	5.64	37.10	5.53
	23	19	44.35	6.22	43.26	6.11	42.16	5.97	41.07	5.86	39.98	5.79
07 + 12 + 12 + 18	32	28	47.41	6.37	46.19	6.25	45.22	6.11	43.92	5.99	42.78	5.87
	41	37	50.88	6.44	49.56	6.31	48.55	6.17	47.20	6.06	46.02	5.95
	47	43	53.83	6.50	52.21	6.37	51.00	6.24	49.78	6.17	48.57	6.08
	50	47	49.50	6.11	48.23	5.99	47.37	5.87	46.01	5.73	44.74	5.69
	59	50	44.44	5.69	43.30	5.60	42.53	5.48	41.30	5.35	40.16	5.31
	68	59	39.27	5.23	38.26	5.13	37.58	5.02	36.50	4.91	35.49	4.86
	75	65	28.32	3.90	27.60	3.83	27.11	3.75	26.33	3.66	25.60	3.62
	-5	-7	29.16	5.51	28.40	5.40	27.71	5.32	27.15	5.18	26.31	5.08
	5	3	35.15	5.78	34.30	5.68	33.60	5.57	33.19	5.46	32.40	5.34
	14	12	39.93	5.81	38.94	5.70	38.02	5.60	37.03	5.47	36.01	5.36
09 + 09 + 09 + 09	23	19	41.84	5.87	40.81	5.76	39.79	5.64	38.76	5.53	37.73	5.46
	32	28	43.55	5.85	42.43	5.74	41.53	5.61	40.33	5.50	39.29	5.39
	41	37	45.54	5.76	44.36	5.65	43.46	5.52	42.25	5.43	41.19	5.33
	47	43	47.01	5.68	45.60	5.56	44.54	5.45	43.47	5.39	42.41	5.31
	50	47	43.23	5.33	42.12	5.23	41.37	5.12	40.18	5.01	39.07	4.97
	59	50	38.81	4.97	37.81	4.89	37.14	4.78	36.07	4.67	35.08	4.64
	68	59	34.29	4.57	33.41	4.48	32.82	4.38	31.87	4.29	31.00	4.24
	75	65	24.73	3.40	24.10	3.35	23.67	3.28	22.99	3.20	22.36	3.16

Indoor unit connecting capacity	Outdoor temperature		Indoor temperature									
			60 °FDB		65 °FDB		70 °FDB		75 °FDB		78 °FDB	
	kBtu/h		TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
	°FDB	°FWB	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
09 + 09 + 09 + 12	-5	-7	29.16	5.51	28.40	5.40	27.71	5.32	27.15	5.18	26.31	5.08
	5	3	35.15	5.78	34.30	5.68	33.60	5.57	33.19	5.46	32.40	5.34
	14	12	40.45	5.89	39.44	5.78	38.51	5.67	37.51	5.54	36.47	5.43
	23	19	42.91	6.02	41.85	5.91	40.80	5.78	39.74	5.67	38.69	5.60
	32	28	45.19	6.07	44.03	5.96	43.10	5.82	41.86	5.71	40.77	5.60
	41	37	47.81	6.05	46.58	5.93	45.62	5.80	44.36	5.70	43.25	5.59
	47	43	49.91	6.03	48.41	5.91	47.28	5.79	46.16	5.72	45.03	5.64
	50	47	45.89	5.66	44.72	5.55	43.92	5.44	42.66	5.32	41.48	5.28
	59	50	41.20	5.27	40.15	5.19	39.43	5.08	38.30	4.96	37.24	4.92
	68	59	36.41	4.85	35.47	4.76	34.85	4.65	33.84	4.55	32.91	4.51
09 + 09 + 09 + 18	75	65	26.26	3.61	25.59	3.55	25.13	3.48	24.41	3.40	23.74	3.35
	-5	-7	29.16	5.51	28.40	5.40	27.71	5.32	27.15	5.18	26.31	5.08
	5	3	35.15	5.78	34.30	5.68	33.60	5.57	33.19	5.46	32.40	5.34
	14	12	41.47	6.03	40.44	5.92	39.49	5.81	38.46	5.68	37.40	5.57
	23	19	45.04	6.32	43.93	6.20	42.82	6.07	41.72	5.95	40.61	5.88
	32	28	48.48	6.51	47.24	6.39	46.24	6.25	44.91	6.13	43.74	6.00
	41	37	52.35	6.62	51.00	6.50	49.96	6.35	48.57	6.24	47.36	6.12
	47	43	55.71	6.73	54.04	6.59	52.78	6.46	51.53	6.38	50.27	6.29
	50	47	51.23	6.32	49.92	6.20	49.03	6.07	47.62	5.93	46.30	5.89
	59	50	45.99	5.89	44.81	5.80	44.02	5.67	42.75	5.53	41.57	5.49
09 + 09 + 09 + 24	68	59	40.64	5.42	39.60	5.31	38.90	5.19	37.78	5.08	36.73	5.03
	75	65	29.31	4.03	28.56	3.97	28.06	3.88	27.25	3.79	26.50	3.74
	-5	-7	29.16	5.51	28.40	5.40	27.71	5.32	27.15	5.18	26.31	5.08
	5	3	35.15	5.78	34.30	5.68	33.60	5.57	33.19	5.46	32.40	5.34
	14	12	41.19	5.99	40.16	5.88	39.22	5.77	38.20	5.64	37.14	5.53
	23	19	44.45	6.24	43.36	6.12	42.27	5.99	41.17	5.87	40.08	5.81
	32	28	47.58	6.39	46.35	6.27	45.37	6.13	44.07	6.01	42.93	5.89
	41	37	51.10	6.47	49.78	6.34	48.77	6.20	47.41	6.09	46.23	5.98
	47	43	54.12	6.53	52.49	6.41	51.27	6.28	50.05	6.20	48.83	6.11
	50	47	49.76	6.14	48.49	6.02	47.63	5.90	46.25	5.76	44.98	5.72
09 + 09 + 12 + 12	59	50	44.68	5.72	43.53	5.63	42.76	5.51	41.53	5.37	40.38	5.34
	68	59	39.48	5.26	38.47	5.16	37.78	5.04	36.69	4.94	35.68	4.89
	75	65	28.47	3.92	27.74	3.85	27.25	3.77	26.47	3.68	25.74	3.64
	-5	-7	29.16	5.51	28.40	5.40	27.71	5.32	27.15	5.18	26.31	5.08
	5	3	35.15	5.78	34.30	5.68	33.60	5.57	33.19	5.46	32.40	5.34
	14	12	40.96	5.96	39.94	5.85	39.00	5.74	37.99	5.61	36.93	5.50
	23	19	43.97	6.17	42.89	6.05	41.81	5.92	40.73	5.81	39.65	5.74
	32	28	46.84	6.29	45.63	6.17	44.67	6.03	43.38	5.92	42.26	5.80
	41	37	50.08	6.34	48.79	6.21	47.79	6.07	46.46	5.97	45.30	5.86
	47	43	52.81	6.38	51.22	6.25	50.03	6.13	48.84	6.05	47.65	5.97
09 + 09 + 12 + 18	50	47	48.56	5.99	47.32	5.87	46.48	5.75	45.14	5.63	43.89	5.59
	59	50	43.60	5.58	42.48	5.50	41.73	5.37	40.52	5.25	39.41	5.21
	68	59	38.53	5.13	37.54	5.03	36.87	4.92	35.81	4.82	34.82	4.77
	75	65	27.79	3.82	27.08	3.76	26.60	3.68	25.83	3.59	25.12	3.55
	-5	-7	29.16	5.51	28.40	5.40	27.71	5.32	27.15	5.18	26.31	5.08
	5	3	35.15	5.78	34.30	5.68	33.60	5.57	33.19	5.46	32.40	5.34
	14	12	41.11	5.98	40.09	5.87	39.15	5.76	38.13	5.63	37.07	5.52
	23	19	44.29	6.21	43.20	6.10	42.11	5.97	41.03	5.85	39.94	5.78
	32	28	47.33	6.36	46.11	6.24	45.14	6.10	43.84	5.98	42.70	5.86
	41	37	50.76	6.42	49.45	6.30	48.44	6.15	47.10	6.05	45.92	5.94
09 + 09 + 12 + 24	47	43	53.68	6.48	52.07	6.35	50.86	6.23	49.65	6.15	48.44	6.06
	50	47	49.36	6.09	48.10	5.97	47.24	5.85	45.88	5.72	44.62	5.68
	59	50	44.32	5.67	43.18	5.59	42.41	5.46	41.19	5.33	40.06	5.29
	68	59	39.16	5.22	38.16	5.11	37.48	5.00	36.40	4.90	35.40	4.85
	75	65	28.25	3.89	27.52	3.82	27.03	3.74	26.25	3.65	25.53	3.61
	-5	-7	29.16	5.51	28.40	5.40	27.71	5.32	27.15	5.18	26.31	5.08
	5	3	35.15	5.78	34.30	5.68	33.60	5.57	33.19	5.46	32.40	5.34
	14	12	41.27	6.00	40.24	5.89	39.29	5.78	38.27	5.66	37.21	5.54
	23	19	44.61	6.26	43.52	6.14	42.42	6.01	41.32	5.89	40.22	5.83
	32	28	47.82	6.42	46.59	6.30	45.61	6.16	44.30	6.04	43.15	5.92
09 + 12 + 12 + 12	41	37	51.44	6.51	50.12	6.38	49.09	6.24	47.73	6.13	46.54	6.02
	47	43	54.55	6.59	52.91	6.46	51.68	6.33	50.45	6.25	49.22	6.16
	50	47	50.16	6.19	48.88	6.07	48.01	5.94	46.63	5.81	45.34	5.77
	59	50	45.03	5.76	43.88	5.68	43.10	5.55	41.86	5.42	40.71	5.38
	68	59	39.80	5.30	38.77	5.20	38.09	5.08	36.99	4.98	35.97	4.93
	75	65	28.70	3.95	27.97	3.88	27.47	3.80	26.68	3.71	25.94	3.67
	-5	-7	29.16	5.51	28.40	5.40	27.71	5.32	27.15	5.18	26.31	5.08
	5	3	35.15	5.78	34.30	5.68	33.60	5.57	33.19	5.46	32.40	5.34
	14	12	41.47	6.03	40.44	5.92	39.49	5.81	38.46	5.68	37.40	5.57
	23	19	45.04	6.32	43.93	6.20	42.82	6.07	41.72	5.95	40.61	5.88
09 + 12 + 12 + 18	32	28	48.48	6.51	47.24	6.39	46.24	6.25	44.91	6.13	43.74	6.00
	41	37	52.35	6.62	51.00	6.50	49.96	6.35	48.57	6.24	47.36	6.12
	47	43	55.71	6.73	54.04	6.59	52.78	6.46	51.53	6.38	50.27	6.29
	50	47	51.23	6.32	49.92	6.20	49.03	6.07	47.62	5.93	46.30	5.89
	59	50	45.99	5.89	44.81	5.80	44.02	5.67	42.75	5.53	41.57	5.49
	68	59	40.64	5.42	39.60	5.31	38.90	5.19	37.78	5.08	36.73	5.03
	75	65	29.31	4.03	28.56	3.97	28.06	3.88	27.25	3.79	26.50	3.74
	-5	-7	29.16	5.51	28.40	5.40	27.71	5.32	27.15	5.18	26.31	5.08
	5	3	35.15	5.78	34.30	5.68	33.60	5.57	33.19	5.46	32.40	5.34
	14	12	41.19	5.99	40.16	5.88	39.22	5.77	38.20	5.64	37.14	5.53
09 + 12 + 12 + 24	23	19	44.45	6.24	43.36	6.12	42.27	5.99	41.17	5.87	40.08	5.81
	32	28	47.58	6.39	46.35	6.27	45.37	6.13	44.07	6.01	42.93	5.89
	41	37	51.10	6.47	49.78	6.34	48.77	6.20	47.41	6.09	46.23	5.98
	47	43	54.12	6.53	52.49	6.41	51.27	6.28	50.05	6.20	48.83	6.11
	50	47	49.76	6.14	48.49	6.02	47.63	5.90	46.25	5.76	44.98	5.72
	59	50	44.68	5.72	43.53	5.63	42.76	5.51	41.53	5.37	40.38	5.34
	68	59	39.48	5.26	38.47	5.16	37.78	5.04	36.69	4.94	35.68	4.89
	75	65	28.47	3.92	27.74	3.85	27.25	3.77	26.47	3.68	25.74	3.64
	-5	-7	29.16	5.51	28.40	5.40	27.71	5.32	27.15	5.18	26.31	5.08
	5	3	35.15	5.78	34.30	5.68	33.60	5.57	33.19	5.46	32.40	5.34

Indoor unit connecting capacity	Outdoor temperature		Indoor temperature									
			60 °FDB		65 °FDB		70 °FDB		75 °FDB		78 °FDB	
	°FDB	°FWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
kBtu/h			kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
12 + 12 + 12 + 12	-5	-7	29.16	5.51	28.40	5.40	27.71	5.32	27.15	5.18	26.31	5.08
	5	3	35.15	5.78	34.30	5.68	33.60	5.57	33.19	5.46	32.40	5.34
	14	12	41.11	5.98	40.09	5.87	39.15	5.76	38.13	5.63	37.07	5.52
	23	19	44.29	6.21	43.20	6.10	42.11	5.97	41.03	5.85	39.94	5.78
	32	28	47.33	6.36	46.11	6.24	45.14	6.10	43.84	5.98	42.70	5.86
	41	37	50.76	6.42	49.45	6.30	48.44	6.15	47.10	6.05	45.92	5.94
	47	43	53.68	6.48	52.07	6.35	50.86	6.23	49.65	6.15	48.44	6.06
	50	47	49.36	6.09	48.10	5.97	47.24	5.85	45.88	5.72	44.62	5.68
	59	50	44.32	5.67	43.18	5.59	42.41	5.46	41.19	5.33	40.06	5.29
	68	59	39.16	5.22	38.16	5.11	37.48	5.00	36.40	4.90	35.40	4.85
12 + 12 + 12 + 18	75	65	28.25	3.89	27.52	3.82	27.03	3.74	26.25	3.65	25.53	3.61
	-5	-7	29.16	5.51	28.40	5.40	27.71	5.32	27.15	5.18	26.31	5.08
	5	3	35.15	5.78	34.30	5.68	33.60	5.57	33.19	5.46	32.40	5.34
	14	12	41.27	6.00	40.24	5.89	39.29	5.78	38.27	5.66	37.21	5.54
	23	19	44.61	6.26	43.52	6.14	42.42	6.01	41.32	5.89	40.22	5.83
	32	28	47.82	6.42	46.59	6.30	45.61	6.16	44.30	6.04	43.15	5.92
	41	37	51.44	6.51	50.12	6.38	49.09	6.24	47.73	6.13	46.54	6.02
	47	43	54.55	6.59	52.91	6.46	51.68	6.33	50.45	6.25	49.22	6.16
	50	47	50.16	6.19	48.88	6.07	48.01	5.94	46.63	5.81	45.34	5.77
	59	50	45.03	5.76	43.88	5.68	43.10	5.55	41.86	5.42	40.71	5.38
07 + 07 + 07 + 07 + 07	68	59	39.80	5.30	38.77	5.20	38.09	5.08	36.99	4.98	35.97	4.93
	75	65	28.70	3.95	27.97	3.88	27.47	3.80	26.68	3.71	25.94	3.67
	-5	-7	29.16	5.51	28.40	5.40	27.71	5.32	27.15	5.18	26.31	5.08
	5	3	35.15	5.78	34.30	5.68	33.60	5.57	33.19	5.46	32.40	5.34
	14	12	39.76	5.79	38.77	5.68	37.86	5.57	36.87	5.45	35.85	5.34
	23	19	41.49	5.82	40.47	5.71	39.45	5.59	38.43	5.48	37.41	5.42
	32	28	43.00	5.77	41.89	5.67	41.01	5.54	39.83	5.43	38.79	5.33
	41	37	44.78	5.67	43.62	5.56	42.73	5.43	41.55	5.34	40.51	5.24
	47	43	46.04	5.56	44.66	5.45	43.62	5.34	42.58	5.28	41.54	5.20
	50	47	42.34	5.22	41.25	5.12	40.52	5.02	39.35	4.90	38.27	4.87
07 + 07 + 07 + 07 + 09	59	50	38.01	4.86	37.03	4.79	36.38	4.69	35.33	4.57	34.35	4.54
	68	59	33.59	4.48	32.72	4.39	32.14	4.29	31.22	4.20	30.36	4.16
	75	65	24.22	3.33	23.60	3.28	23.19	3.21	22.52	3.13	21.90	3.09
	-5	-7	29.16	5.51	28.40	5.40	27.71	5.32	27.15	5.18	26.31	5.08
	5	3	35.15	5.78	34.30	5.68	33.60	5.57	33.19	5.46	32.40	5.34
	14	12	40.10	5.84	39.10	5.73	38.19	5.62	37.19	5.50	36.16	5.39
	23	19	42.20	5.92	41.16	5.81	40.12	5.69	39.09	5.58	38.05	5.51
	32	28	44.09	5.92	42.96	5.81	42.05	5.68	40.84	5.57	39.78	5.46
	41	37	46.30	5.86	45.10	5.74	44.18	5.61	42.95	5.52	41.88	5.42
	47	43	47.98	5.79	46.53	5.68	45.45	5.56	44.37	5.50	43.29	5.42
07 + 07 + 07 + 07 + 12	50	47	44.11	5.44	42.98	5.34	42.22	5.23	41.00	5.11	39.87	5.07
	59	50	39.60	5.07	38.59	4.99	37.91	4.88	36.81	4.76	35.80	4.73
	68	59	35.00	4.66	34.10	4.57	33.50	4.47	32.53	4.38	31.63	4.33
	75	65	25.24	3.47	24.60	3.41	24.16	3.35	23.46	3.26	22.82	3.22
	-5	-7	29.16	5.51	28.40	5.40	27.71	5.32	27.15	5.18	26.31	5.08
	5	3	35.15	5.78	34.30	5.68	33.60	5.57	33.19	5.46	32.40	5.34
	14	12	40.62	5.91	39.60	5.80	38.67	5.69	37.67	5.57	36.63	5.46
	23	19	43.26	6.07	42.20	5.96	41.14	5.83	40.07	5.72	39.01	5.65
	32	28	45.74	6.14	44.56	6.03	43.62	5.89	42.37	5.78	41.27	5.67
	41	37	48.57	6.14	47.31	6.03	46.35	5.89	45.06	5.79	43.93	5.68
07 + 07 + 07 + 07 + 18	47	43	50.88	6.14	49.35	6.02	48.20	5.90	47.05	5.83	45.91	5.75
	50	47	46.78	5.77	45.58	5.66	44.78	5.54	43.48	5.42	42.28	5.38
	59	50	42.00	5.37	40.92	5.29	40.20	5.18	39.04	5.05	37.96	5.02
	68	59	37.11	4.95	36.16	4.85	35.52	4.74	34.50	4.64	33.55	4.59
	75	65	26.77	3.68	26.08	3.62	25.62	3.55	24.88	3.46	24.20	3.42
	-5	-7	29.16	5.51	28.40	5.40	27.71	5.32	27.15	5.18	26.31	5.08
	5	3	35.15	5.78	34.30	5.68	33.60	5.57	33.19	5.46	32.40	5.34
	14	12	41.06	5.97	40.04	5.86	39.10	5.75	38.08	5.63	37.03	5.52
	23	19	44.19	6.20	43.10	6.08	42.01	5.95	40.93	5.84	39.84	5.77
	32	28	47.17	6.33	45.95	6.22	44.98	6.08	43.69	5.96	42.55	5.84
07 + 07 + 07 + 07 + 24	41	37	50.54	6.39	49.23	6.27	48.23	6.13	46.89	6.02	45.71	5.91
	47	43	53.39	6.45	51.79	6.32	50.58	6.19	49.38	6.12	48.17	6.03
	50	47	49.10	6.06	47.84	5.94	46.99	5.82	45.63	5.69	44.38	5.65
	59	50	44.08	5.64	42.95	5.56	42.18	5.43	40.97	5.30	39.84	5.27
	68	59	38.95	5.19	37.95	5.09	37.28	4.98	36.20	4.87	35.20	4.82
	75	65	28.09	3.86	27.37	3.80	26.89	3.72	26.11	3.63	25.39	3.59
	-5	-7	28.86	5.45	28.12	5.35	27.43	5.26	26.88	5.13	26.05	5.03
	5	3	34.80	5.72	33.96	5.62	33.26	5.51	32.86	5.41	32.07	5.29
	14	12	40.85	5.94	39.84	5.83	38.90	5.72	37.89	5.60	36.84	5.49
	23	19	44.17	6.20	43.08	6.08	41.99	5.95	40.91	5.84	39.82	5.77
07 + 07 + 07 + 09 + 09	32	28	47.35	6.36	46.13	6.24	45.15	6.10	43.85	5.98	42.72	5.86
	41	37	50.93	6.44	49.61	6.32	48.60	6.17	47.25	6.07	46.07	5.96
	47	43	54.01	6.52	52.38	6.39	51.17	6.26	49.95	6.19	48.73	6.10
	50	47	49.66	6.13	48.39	6.01	47.53	5.89	46.16	5.75	44.89	5.71
	59	50	44.58	5.70	43.44	5.62	42.67	5.50	41.44	5.36	40.30	5.33
	68	59	39.40	5.25	38.39	5.15	37.71	5.03	36.62	4.93	35.61	4.88
	75	65	28.42	3.91	27.69	3.84	27.20	3.77	26.41	3.67	25.69	3.63
	-5	-7	29.16	5.51	28.40	5.40	27.71	5.32	27.15	5.18	26.31	5.08
	5	3	35.15	5.78	34.30	5.68	33.60	5.57	33.19	5.46	32.40	5.34
	14	12	40.45	5.89	39.44	5.78	38.51	5.67	37.51	5.54	36.47	5.43
07 + 07 + 07 + 09 + 09	23	19	42.91	6.02	41.85	5.91	40.80	5.78	39.74	5.67	38.69	5.60
	32	28	45.19	6.07	44.03	5.96	43.10	5.82	41.86	5.71	40.77	5.60
	41	37	47.81	6.05	46.58	5.93	45.62	5.80	44.36	5.70	43.25	5.59
	47	43	49.91	6.03	48.41	5.91	47.28	5.79	46.16	5.72	45.03	5.64
	50	47	45.89	5.66	44.72	5.55	43.92	5.44	42.66	5.32	41.48	5.28
	59	50	41.20	5.27	40.15	5.19	39.43	5.08	38.30	4.96	37.24	4.92
	68	59	36.41	4.85	35.47	4.76	34.85	4.65	33.84	4.55	32.91	4.51
	75	65	26.26	3.61	25.59	3.55	25.13	3.48	24.41	3.40	23.74	3.35

Indoor unit connecting capacity	Outdoor temperature		Indoor temperature									
			60 °FDB		65 °FDB		70 °FDB		75 °FDB		78 °FDB	
			TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
kBtu/h	°FDB	°FWB	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
07 + 07 + 07 + 09 + 12	-5	-7	29.16	5.51	28.40	5.40	27.71	5.32	27.15	5.18	26.31	5.08
	5	3	35.15	5.78	34.30	5.68	33.60	5.57	33.19	5.46	32.40	5.34
	14	12	40.96	5.96	39.94	5.85	39.00	5.74	37.99	5.61	36.93	5.50
	23	19	43.97	6.17	42.89	6.05	41.81	5.92	40.73	5.81	39.65	5.74
	32	28	46.84	6.29	45.63	6.17	44.67	6.03	43.38	5.92	42.26	5.80
	41	37	50.08	6.34	48.79	6.21	47.79	6.07	46.46	5.97	45.30	5.86
	47	43	52.81	6.38	51.22	6.25	50.03	6.13	48.84	6.05	47.65	5.97
	50	47	48.56	5.99	47.32	5.87	46.48	5.75	45.14	5.63	43.89	5.59
	59	50	43.60	5.58	42.48	5.50	41.73	5.37	40.52	5.25	39.41	5.21
	68	59	38.53	5.13	37.54	5.03	36.87	4.92	35.81	4.82	34.82	4.77
07 + 07 + 07 + 09 + 18	75	65	27.79	3.82	27.08	3.76	26.60	3.68	25.83	3.59	25.12	3.55
	-5	-7	29.16	5.51	28.40	5.40	27.71	5.32	27.15	5.18	26.31	5.08
	5	3	35.15	5.78	34.30	5.68	33.60	5.57	33.19	5.46	32.40	5.34
	14	12	41.11	5.98	40.09	5.87	39.15	5.76	38.13	5.63	37.07	5.52
	23	19	44.29	6.21	43.20	6.10	42.11	5.97	41.03	5.85	39.94	5.78
	32	28	47.33	6.36	46.11	6.24	45.14	6.10	43.84	5.98	42.70	5.86
	41	37	50.76	6.42	49.45	6.30	48.44	6.15	47.10	6.05	45.92	5.94
	47	43	53.68	6.48	52.07	6.35	50.86	6.23	49.65	6.15	48.44	6.06
	50	47	49.36	6.09	48.10	5.97	47.24	5.85	45.88	5.72	44.62	5.68
	59	50	44.32	5.67	43.18	5.59	42.41	5.46	41.19	5.33	40.06	5.29
07 + 07 + 07 + 09 + 24	68	59	39.16	5.22	38.16	5.11	37.48	5.00	36.40	4.90	35.40	4.85
	75	65	28.25	3.89	27.52	3.82	27.03	3.74	26.25	3.65	25.53	3.61
	-5	-7	29.16	5.51	28.40	5.40	27.71	5.32	27.15	5.18	26.31	5.08
	5	3	35.15	5.78	34.30	5.68	33.60	5.57	33.19	5.46	32.40	5.34
	14	12	41.27	6.00	40.24	5.89	39.29	5.78	38.27	5.66	37.21	5.54
	23	19	44.61	6.26	43.52	6.14	42.42	6.01	41.32	5.89	40.22	5.83
	32	28	47.82	6.42	46.59	6.30	45.61	6.16	44.30	6.04	43.15	5.92
	41	37	51.44	6.51	50.12	6.38	49.09	6.24	47.73	6.13	46.54	6.02
	47	43	54.55	6.59	52.91	6.46	51.68	6.33	50.45	6.25	49.22	6.16
	50	47	50.16	6.19	48.88	6.07	48.01	5.94	46.63	5.81	45.34	5.77
07 + 07 + 07 + 12 + 12	59	50	45.03	5.76	43.88	5.68	43.10	5.55	41.86	5.42	40.71	5.38
	68	59	39.80	5.30	38.77	5.20	38.09	5.08	36.99	4.98	35.97	4.93
	75	65	28.70	3.95	27.97	3.88	27.47	3.80	26.68	3.71	25.94	3.67
	-5	-7	29.16	5.51	28.40	5.40	27.71	5.32	27.15	5.18	26.31	5.08
	5	3	35.15	5.78	34.30	5.68	33.60	5.57	33.19	5.46	32.40	5.34
	14	12	41.47	6.03	40.44	5.92	39.49	5.81	38.46	5.68	37.40	5.57
	23	19	45.04	6.32	43.93	6.20	42.82	6.07	41.72	5.95	40.61	5.88
	32	28	48.48	6.51	47.24	6.39	46.24	6.25	44.91	6.13	43.74	6.00
	41	37	52.35	6.62	51.00	6.50	49.96	6.35	48.57	6.24	47.36	6.12
	47	43	55.71	6.73	54.04	6.59	52.78	6.46	51.53	6.38	50.27	6.29
07 + 07 + 07 + 12 + 18	50	47	51.23	6.32	49.92	6.20	49.03	6.07	47.62	5.93	46.30	5.89
	59	50	45.99	5.89	44.81	5.80	44.02	5.67	42.75	5.53	41.57	5.49
	68	59	40.64	5.42	39.60	5.31	38.90	5.19	37.78	5.08	36.73	5.03
	75	65	29.31	4.03	28.56	3.97	28.06	3.88	27.25	3.79	26.50	3.74
	-5	-7	29.16	5.51	28.40	5.40	27.71	5.32	27.15	5.18	26.31	5.08
	5	3	35.15	5.78	34.30	5.68	33.60	5.57	33.19	5.46	32.40	5.34
	14	12	41.19	5.99	40.16	5.88	39.22	5.77	38.20	5.64	37.14	5.53
	23	19	44.45	6.24	43.36	6.12	42.27	5.99	41.17	5.87	40.08	5.81
	32	28	47.58	6.39	46.35	6.27	45.37	6.13	44.07	6.01	42.93	5.89
	41	37	51.10	6.47	49.78	6.34	48.77	6.20	47.41	6.09	46.23	5.98
07 + 07 + 07 + 12 + 18	47	43	54.12	6.53	52.49	6.41	51.27	6.28	50.05	6.20	48.83	6.11
	50	47	49.76	6.14	48.49	6.02	47.63	5.90	46.25	5.76	44.98	5.72
	59	50	44.68	5.72	43.53	5.63	42.76	5.51	41.53	5.37	40.38	5.34
	68	59	39.48	5.26	38.47	5.16	37.78	5.04	36.69	4.94	35.68	4.89
	75	65	28.47	3.92	27.74	3.85	27.25	3.77	26.47	3.68	25.74	3.64
	-5	-7	29.16	5.51	28.40	5.40	27.71	5.32	27.15	5.18	26.31	5.08
	5	3	35.15	5.78	34.30	5.68	33.60	5.57	33.19	5.46	32.40	5.34
	14	12	40.79	5.94	39.77	5.83	38.84	5.72	37.83	5.59	36.78	5.48
	23	19	43.62	6.12	42.55	6.01	41.47	5.88	40.40	5.76	39.33	5.70
	32	28	46.29	6.22	45.10	6.10	44.15	5.96	42.87	5.85	41.76	5.73
07 + 07 + 09 + 09 + 09	41	37	49.32	6.24	48.05	6.12	47.07	5.98	45.76	5.88	44.62	5.77
	47	43	51.85	6.26	50.29	6.14	49.12	6.01	47.95	5.94	46.78	5.86
	50	47	47.67	5.88	46.45	5.77	45.63	5.65	44.31	5.52	43.09	5.48
	59	50	42.80	5.48	41.70	5.39	40.96	5.28	39.78	5.15	38.68	5.11
	68	59	37.82	5.04	36.85	4.94	36.20	4.83	35.15	4.73	34.18	4.68
	75	65	27.28	3.75	26.58	3.69	26.11	3.62	25.36	3.53	24.66	3.48
	-5	-7	29.16	5.51	28.40	5.40	27.71	5.32	27.15	5.18	26.31	5.08
	5	3	35.15	5.78	34.30	5.68	33.60	5.57	33.19	5.46	32.40	5.34
	14	12	41.01	5.97	39.99	5.86	39.05	5.75	38.03	5.62	36.98	5.51
	23	19	44.08	6.18	43.00	6.07	41.91	5.94	40.83	5.82	39.74	5.76
07 + 07 + 09 + 09 + 12	32	28	47.00	6.31	45.79	6.19	44.82	6.05	43.54	5.94	42.41	5.82
	41	37	50.31	6.36	49.01	6.24	48.01	6.10	46.68	6.00	45.51	5.88
	47	43	53.10	6.41	51.51	6.29	50.31	6.16	49.11	6.09	47.91	6.00
	50	47	48.83	6.02	47.58	5.91	46.73	5.79	45.39	5.66	44.13	5.62
	59	50	43.84	5.61	42.71	5.53	41.96	5.40	40.75	5.27	39.62	5.24
	68	59	38.74	5.16	37.74	5.06	37.07	4.95	36.01	4.85	35.01	4.79
	75	65	27.94	3.84	27.22	3.78	26.74	3.70	25.97	3.61	25.25	3.57
	-5	-7	29.16	5.51	28.40	5.40	27.71	5.32	27.15	5.18	26.31	5.08
	5	3	35.15	5.78	34.30	5.68	33.60	5.57	33.19	5.46	32.40	5.34
	14	12	41.16	5.99	40.14	5.88	39.20	5.77	38.18	5.64	37.12	5.53
07 + 07 + 09 + 09 + 18	23	19	44.40	6.23	43.31	6.11	42.22	5.98	41.12	5.87	40.03	5.80
	32	28	47.50	6.38	46.27	6.26	45.30	6.12	43.99	6.00	42.85	5.88
	41	37	50.99	6.45	49.67	6.33	48.66	6.18	47.31	6.08	46.12	5.96
	47	43	53.97	6.52	52.35	6.39	51.13	6.26	49.92	6.18	48.70	6.10
	50	47	49.63	6.12	48.36	6.00	47.50	5.88	46.13	5.75	44.86	5.71
	59	50	44.56	5.70	43.41	5.62	42.64	5.49	41.41	5.36	40.27	5.32
	68	59	39.37	5.25	38.36	5.14	37.68	5.03	36.60	4.92	35.59	4.87
	75	65	28.40	3.91	27.67	3.84	27.18	3.76	26.40	3.67	25.67	3.63

Indoor unit connecting capacity	Outdoor temperature		Indoor temperature									
			60 °FDB		65 °FDB		70 °FDB		75 °FDB		78 °FDB	
			TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
kBtu/h	°FDB	°FWB	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
07 + 07 + 09 + 12 + 12	-5	-7	29.16	5.51	28.40	5.40	27.71	5.32	27.15	5.18	26.31	5.08
	5	3	35.15	5.78	34.30	5.68	33.60	5.57	33.19	5.46	32.40	5.34
	14	12	41.09	5.98	40.06	5.87	39.12	5.76	38.10	5.63	37.05	5.52
	23	19	44.24	6.21	43.15	6.09	42.06	5.96	40.98	5.85	39.89	5.78
	32	28	47.25	6.34	46.03	6.23	45.06	6.09	43.76	5.97	42.63	5.85
	41	37	50.65	6.41	49.34	6.28	48.33	6.14	46.99	6.04	45.82	5.92
	47	43	53.54	6.46	51.93	6.34	50.72	6.21	49.51	6.13	48.31	6.05
	50	47	49.23	6.07	47.97	5.95	47.12	5.83	45.76	5.70	44.50	5.66
	59	50	44.20	5.66	43.06	5.57	42.30	5.45	41.08	5.32	39.95	5.28
	68	59	39.05	5.20	38.05	5.10	37.38	4.99	36.30	4.89	35.30	4.83
75	65	28.17	3.88	27.45	3.81	26.96	3.73	26.18	3.64	25.46	3.60	
07 + 07 + 12 + 12 + 12	-5	-7	29.16	5.51	28.40	5.40	27.71	5.32	27.15	5.18	26.31	5.08
	5	3	35.15	5.78	34.30	5.68	33.60	5.57	33.19	5.46	32.40	5.34
	14	12	41.16	5.99	40.14	5.88	39.20	5.77	38.18	5.64	37.12	5.53
	23	19	44.40	6.23	43.31	6.11	42.22	5.98	41.12	5.87	40.03	5.80
	32	28	47.50	6.38	46.27	6.26	45.30	6.12	43.99	6.00	42.85	5.88
	41	37	50.99	6.45	49.67	6.33	48.66	6.18	47.31	6.08	46.12	5.96
	47	43	53.97	6.52	52.35	6.39	51.13	6.26	49.92	6.18	48.70	6.10
	50	47	49.63	6.12	48.36	6.00	47.50	5.88	46.13	5.75	44.86	5.71
	59	50	44.56	5.70	43.41	5.62	42.64	5.49	41.41	5.36	40.27	5.32
	68	59	39.37	5.25	38.36	5.14	37.68	5.03	36.60	4.92	35.59	4.87
75	65	28.40	3.91	27.67	3.84	27.18	3.76	26.40	3.67	25.67	3.63	
07 + 09 + 09 + 09 + 09	-5	-7	29.16	5.51	28.40	5.40	27.71	5.32	27.15	5.18	26.31	5.08
	5	3	35.15	5.78	34.30	5.68	33.60	5.57	33.19	5.46	32.40	5.34
	14	12	40.98	5.96	39.96	5.85	39.02	5.74	38.01	5.62	36.96	5.51
	23	19	44.03	6.18	42.94	6.06	41.86	5.93	40.78	5.82	39.70	5.75
	32	28	46.92	6.30	45.71	6.18	44.75	6.04	43.46	5.93	42.33	5.81
	41	37	50.20	6.35	48.90	6.23	47.90	6.09	46.57	5.98	45.41	5.87
	47	43	52.96	6.39	51.37	6.27	50.17	6.14	48.98	6.07	47.78	5.98
	50	47	48.70	6.01	47.45	5.89	46.61	5.77	45.26	5.64	44.01	5.60
	59	50	43.72	5.59	42.60	5.51	41.84	5.39	40.64	5.26	39.51	5.22
	68	59	38.63	5.15	37.64	5.05	36.97	4.93	35.91	4.83	34.92	4.78
75	65	27.86	3.83	27.15	3.77	26.67	3.69	25.90	3.60	25.19	3.56	
07 + 09 + 09 + 09 + 12	-5	-7	29.16	5.51	28.40	5.40	27.71	5.32	27.15	5.18	26.31	5.08
	5	3	35.15	5.78	34.30	5.68	33.60	5.57	33.19	5.46	32.40	5.34
	14	12	41.06	5.97	40.04	5.86	39.10	5.75	38.08	5.63	37.03	5.52
	23	19	44.19	6.20	43.10	6.08	42.01	5.95	40.93	5.84	39.84	5.77
	32	28	47.17	6.33	45.95	6.22	44.98	6.08	43.69	5.96	42.55	5.84
	41	37	50.54	6.39	49.23	6.27	48.23	6.13	46.89	6.02	45.71	5.91
	47	43	53.39	6.45	51.79	6.32	50.58	6.19	49.38	6.12	48.17	6.03
	50	47	49.10	6.06	47.84	5.94	46.99	5.82	45.63	5.69	44.38	5.65
	59	50	44.08	5.64	42.95	5.56	42.18	5.43	40.97	5.30	39.84	5.27
	68	59	38.95	5.19	37.95	5.09	37.28	4.98	36.20	4.87	35.20	4.82
75	65	28.09	3.86	27.37	3.80	26.89	3.72	26.11	3.63	25.39	3.59	
07 + 09 + 09 + 09 + 18	-5	-7	29.16	5.51	28.40	5.40	27.71	5.32	27.15	5.18	26.31	5.08
	5	3	35.15	5.78	34.30	5.68	33.60	5.57	33.19	5.46	32.40	5.34
	14	12	41.21	6.00	40.19	5.89	39.24	5.78	38.22	5.65	37.17	5.54
	23	19	44.51	6.24	43.41	6.13	42.32	6.00	41.22	5.88	40.13	5.81
	32	28	47.66	6.40	46.43	6.28	45.45	6.14	44.14	6.02	43.00	5.90
	41	37	51.22	6.48	49.89	6.35	48.88	6.21	47.52	6.10	46.33	5.99
	47	43	54.26	6.55	52.63	6.42	51.41	6.29	50.18	6.22	48.96	6.13
	50	47	49.90	6.16	48.62	6.03	47.75	5.91	46.38	5.78	45.10	5.74
	59	50	44.80	5.73	43.65	5.65	42.87	5.52	41.64	5.39	40.49	5.35
	68	59	39.58	5.27	38.57	5.17	37.88	5.06	36.79	4.95	35.78	4.90
75	65	28.55	3.93	27.82	3.86	27.33	3.78	26.54	3.69	25.81	3.65	
07 + 09 + 09 + 12 + 12	-5	-7	29.16	5.51	28.40	5.40	27.71	5.32	27.15	5.18	26.31	5.08
	5	3	35.15	5.78	34.30	5.68	33.60	5.57	33.19	5.46	32.40	5.34
	14	12	41.14	5.99	40.11	5.88	39.17	5.76	38.15	5.64	37.10	5.53
	23	19	44.35	6.22	43.26	6.11	42.16	5.97	41.07	5.86	39.98	5.79
	32	28	47.41	6.37	46.19	6.25	45.22	6.11	43.92	5.99	42.78	5.87
	41	37	50.88	6.44	49.56	6.31	48.55	6.17	47.20	6.06	46.02	5.95
	47	43	53.83	6.50	52.21	6.37	51.00	6.24	49.78	6.17	48.57	6.08
	50	47	49.50	6.11	48.23	5.99	47.37	5.87	46.01	5.73	44.74	5.69
	59	50	44.44	5.69	43.30	5.60	42.53	5.48	41.30	5.35	40.16	5.31
	68	59	39.27	5.23	38.26	5.13	37.58	5.02	36.50	4.91	35.49	4.86
75	65	28.32	3.90	27.60	3.83	27.11	3.75	26.33	3.66	25.60	3.62	
07 + 09 + 12 + 12 + 12	-5	-7	29.16	5.51	28.40	5.40	27.71	5.32	27.15	5.18	26.31	5.08
	5	3	35.15	5.78	34.30	5.68	33.60	5.57	33.19	5.46	32.40	5.34
	14	12	41.21	6.00	40.19	5.89	39.24	5.78	38.22	5.65	37.17	5.54
	23	19	44.51	6.24	43.41	6.13	42.32	6.00	41.22	5.88	40.13	5.81
	32	28	47.66	6.40	46.43	6.28	45.45	6.14	44.14	6.02	43.00	5.90
	41	37	51.22	6.48	49.89	6.35	48.88	6.21	47.52	6.10	46.33	5.99
	47	43	54.26	6.55	52.63	6.42	51.41	6.29	50.18	6.22	48.96	6.13
	50	47	49.90	6.16	48.62	6.03	47.75	5.91	46.38	5.78	45.10	5.74
	59	50	44.80	5.73	43.65	5.65	42.87	5.52	41.64	5.39	40.49	5.35
	68	59	39.58	5.27	38.57	5.17	37.88	5.06	36.79	4.95	35.78	4.90
75	65	28.55	3.93	27.82	3.86	27.33	3.78	26.54	3.69	25.81	3.65	
09 + 09 + 09 + 09 + 09	-5	-7	29.16	5.51	28.40	5.40	27.71	5.32	27.15	5.18	26.31	5.08
	5	3	35.15	5.78	34.30	5.68	33.60	5.57	33.19	5.46	32.40	5.34
	14	12	41.47	6.03	40.44	5.92	39.49	5.81	38.46	5.68	37.40	5.57
	23	19	45.04	6.32	43.93	6.20	42.82	6.07	41.72	5.95	40.61	5.88
	32	28	48.48	6.51	47.24	6.39	46.24	6.25	44.91	6.13	43.74	6.00
	41	37	52.35	6.62	51.00	6.50	49.96	6.35	48.57	6.24	47.36	6.12
	47	43	55.71	6.73	54.04	6.59	52.78	6.46	51.53	6.38	50.27	6.29
	50	47	51.23	6.32	49.92	6.20	49.03	6.07	47.62	5.93	46.30	5.89
	59	50	45.99	5.89	44.81	5.80	44.02	5.67	42.75	5.53	41.57	5.49
	68	59	40.64	5.42	39.60	5.31	38.90	5.19	37.78	5.08	36.73	5.03
75	65	29.31	4.03	28.56	3.97	28.06	3.88	27.25	3.79	26.50	3.74	

Indoor unit connecting capacity	Outdoor temperature		Indoor temperature									
			60 °FDB		65 °FDB		70 °FDB		75 °FDB		78 °FDB	
			TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
kBtu/h	°FDB	°FWB	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
09 + 09 + 09 + 09 + 12	-5	-7	29.16	5.51	28.40	5.40	27.71	5.32	27.15	5.18	26.31	5.08
	5	3	35.15	5.78	34.30	5.68	33.60	5.57	33.19	5.46	32.40	5.34
	14	12	41.11	5.98	40.09	5.87	39.15	5.76	38.13	5.63	37.07	5.52
	23	19	44.29	6.21	43.20	6.10	42.11	5.97	41.03	5.85	39.94	5.78
	32	28	47.33	6.36	46.11	6.24	45.14	6.10	43.84	5.98	42.70	5.86
	41	37	50.76	6.42	49.45	6.30	48.44	6.15	47.10	6.05	45.92	5.94
	47	43	53.68	6.48	52.07	6.35	50.86	6.23	49.65	6.15	48.44	6.06
	50	47	49.36	6.09	48.10	5.97	47.24	5.85	45.88	5.72	44.62	5.68
	59	50	44.32	5.67	43.18	5.59	42.41	5.46	41.19	5.33	40.06	5.29
	68	59	39.16	5.22	38.16	5.11	37.48	5.00	36.40	4.90	35.40	4.85
09 + 09 + 09 + 09 + 18	75	65	28.25	3.89	27.52	3.82	27.03	3.74	26.25	3.65	25.53	3.61
	-5	-7	29.16	5.51	28.40	5.40	27.71	5.32	27.15	5.18	26.31	5.08
	5	3	35.15	5.78	34.30	5.68	33.60	5.57	33.19	5.46	32.40	5.34
	14	12	41.27	6.00	40.24	5.89	39.29	5.78	38.27	5.66	37.21	5.54
	23	19	44.61	6.26	43.52	6.14	42.42	6.01	41.32	5.89	40.22	5.83
	32	28	47.82	6.42	46.59	6.30	45.61	6.16	44.30	6.04	43.15	5.92
	41	37	51.44	6.51	50.12	6.38	49.09	6.24	47.73	6.13	46.54	6.02
	47	43	54.55	6.59	52.91	6.46	51.68	6.33	50.45	6.25	49.22	6.16
	50	47	50.16	6.19	48.88	6.07	48.01	5.94	46.63	5.81	45.34	5.77
	59	50	45.03	5.76	43.88	5.68	43.10	5.55	41.86	5.42	40.71	5.38
09 + 09 + 09 + 12 + 12	68	59	39.80	5.30	38.77	5.20	38.09	5.08	36.99	4.98	35.97	4.93
	75	65	28.70	3.95	27.97	3.88	27.47	3.80	26.68	3.71	25.94	3.67
	-5	-7	29.16	5.51	28.40	5.40	27.71	5.32	27.15	5.18	26.31	5.08
	5	3	35.15	5.78	34.30	5.68	33.60	5.57	33.19	5.46	32.40	5.34
	14	12	41.19	5.99	40.16	5.88	39.22	5.77	38.20	5.64	37.14	5.53
	23	19	44.45	6.24	43.36	6.12	42.27	5.99	41.17	5.87	40.08	5.81
	32	28	47.58	6.39	46.35	6.27	45.37	6.13	44.07	6.01	42.93	5.89
	41	37	51.10	6.47	49.78	6.34	48.77	6.20	47.41	6.09	46.23	5.98
	47	43	54.12	6.53	52.49	6.41	51.27	6.28	50.05	6.20	48.83	6.11
	50	47	49.76	6.14	48.49	6.02	47.63	5.90	46.25	5.76	44.98	5.72
09 + 09 + 12 + 12 + 12	59	50	44.68	5.72	43.53	5.63	42.76	5.51	41.53	5.37	40.38	5.34
	68	59	39.48	5.26	38.47	5.16	37.78	5.04	36.69	4.94	35.68	4.89
	75	65	28.47	3.92	27.74	3.85	27.25	3.77	26.47	3.68	25.74	3.64
	-5	-7	29.16	5.51	28.40	5.40	27.71	5.32	27.15	5.18	26.31	5.08
	5	3	35.15	5.78	34.30	5.68	33.60	5.57	33.19	5.46	32.40	5.34
	14	12	41.27	6.00	40.24	5.89	39.29	5.78	38.27	5.66	37.21	5.54
	23	19	44.61	6.26	43.52	6.14	42.42	6.01	41.32	5.89	40.22	5.83
	32	28	47.82	6.42	46.59	6.30	45.61	6.16	44.30	6.04	43.15	5.92
	41	37	51.44	6.51	50.12	6.38	49.09	6.24	47.73	6.13	46.54	6.02
	47	43	54.55	6.59	52.91	6.46	51.68	6.33	50.45	6.25	49.22	6.16
	50	47	50.16	6.19	48.88	6.07	48.01	5.94	46.63	5.81	45.34	5.77
	59	50	45.03	5.76	43.88	5.68	43.10	5.55	41.86	5.42	40.71	5.38
	68	59	39.80	5.30	38.77	5.20	38.09	5.08	36.99	4.98	35.97	4.93
	75	65	28.70	3.95	27.97	3.88	27.47	3.80	26.68	3.71	25.94	3.67

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]
 - Indoor unit fan speed: HIGH
- 2 or more indoor units should be connected.
- The total ability of connected a indoor unit is from 34,000 Btu/h up to 54,000 Btu/h.
- Input in the table are calculated based on the maximum indoor unit input combinations.
- Capacity loss due to white frost and defrost operation is not included.

7. Electrical characteristics

Model name			WHP18M2A21S		WHP24M3A21S	
Power supply	Voltage		V	208/230 ~		
	Frequency		Hz	60		
MCA*1			A	21	25	
Wiring spec.*2	MAX. CKT. BKR*3		A	30		
	Power cable		AWG	SJTW 3 × 14		SJTW 3 × 12
	Connection cable*4	Size	AWG	SJTW 4 × 16		
		Limited wiring length	ft (m)	167 (51)		200 (61)

Model name			WHP36M4A21S		WHP42M5A21S	
Power supply	Voltage		V	208/230 ~		
	Frequency		Hz	60		
MCA*1			A	32.2	35	
Wiring spec.*2	MAX. CKT. BKR*3		A	50		
	Power cable		AWG	SJTW 3 × 10		
	Connection cable*4	Size	AWG	SJTW 4 × 16		
		Limited wiring length	ft (m)	249 (76)		265 (81)

*1: Minimum Circuit Ampacity (Calculation based on UL60335-2-40)

*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

*4: Limit voltage drop to less than 2%. If voltage drop is 2% or more, increase cable conductor size.

8. Accessories

Part name	Q'ty	Part name	Q'ty
Use and installation instructions	1	Valve adapter-2 3/8 in to 5/8 in (9.52 mm to 15.88 mm) (For 36 and 42 model)	1
Drain joint	1	Valve adapter-3 1/4 in to 3/8 in (6.35 mm to 9.52 mm) (For 36 and 42 model)	1
Valve adapter-1 3/8 in to 1/2 in (9.52 mm to 12.70 mm) (For 24, 36, and 42 model)	1		