

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

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**MULTI TYPE:  
AOYG14LAC2  
AOYG18LAC2**

# 1. Specifications

Type				Inverter heat pump	
Model name				AOYG14LAC2	AOYG18LAC2
Power source				230 V 50 Hz	
Available voltage range				198—264V	
Standard combination of indoor unit				Wall mounted ASYG07LMCA × 2	Wall mounted ASYG09LMCA × 2
Capacity	Cooling	Rated	kW	4.0	5.0
			Btu/h	13,600	17,100
		Min.—Max.	kW	1.4—4.4	1.7—5.6
	Heating		Btu/h	4,700—15,000	5,800—19,100
		Rated	kW	4.4	5.6
		Min.—Max.	kW	1.1—5.4	1.8—6.1
		Btu/h	3,700—18,400	6,100—20,800	
Input power	Cooling	Rated	kW	1.09	1.56
		Max.		1.40	1.95
	Heating	Rated		1.03	1.41
		Max.		1.78	1.90
Current	Cooling	Rated	A	5.1	6.9
	Heating	Rated		4.9	6.3
EER	Cooling			3.67	3.21
COP	Heating			4.27	3.97
Starting current			A	5.1	6.9
Maximum operating current *1			A	10.0	12.0
Fan	Type × Q'ty			Propeller × 1	
	Airflow rate	Cooling	m <sup>3</sup> /h	1,850	2,050
		Heating		1,850	2,050
Motor output		W	50		
Sound pressure level *2	Cooling		dB (A)	47	50
	Heating			49	51
Heat exchanger	Dimension (H x W x D)		mm	504 × 850 × 36.4	
	Fin pitch			1.4	
	Rows × Stages			2 × 24	
	Pipe type (Material)			Copper tube	
	Fin	Type (Material)		Aluminum	
Compressor	Type × Quantity			DC rotary × 1	DC twin rotary × 1
	Motor output		W	750	900
Refrigerant	Type (Global warming potential)			R410A (2088)	
	Charge		g	1,250	1,300
Refrigerant oil	Type			VG74	d68SZ
	Amount		cm <sup>3</sup>	480	400
Enclosure	Material			Steel sheet	
	Color			Beige (Approximate color of MUNSELL 10YR 7.5/1.0 NN)	
Dimensions	Net	(H x W x D)	mm	540 × 790 × 290	
	Gross			648 × 910 × 380	
Weight	Net		kg	37	38
	Gross			41	42
Connection pipe	Size	Liquid	mm (in)	Ø6.35 (Ø1/4) × 2	
		Gas		Ø9.52 (Ø3/8) × 2	Ø9.52 (Ø3/8) × 2 [Ø12.70 (Ø1/2)]*3
	Method			Flare	
	Pre-charge length (Total)			20	
	Maximum length (Total)			30	
	Maximum length (Each)			20	
	Minimum length (Total)			6	
	Minimum length (Each)			3	
	Maximum height difference between outdoor unit and each indoor units.			15	
	Maximum height difference between indoor units.			10	
Operation range	Cooling		°C	10 to 46	
	Heating			-15 to 24	

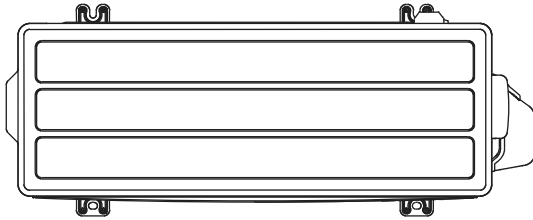
## NOTES:

- Specifications are based on the following conditions:
  - Power source of specifications: 230 V
  - Pipe length: 5 m, Height difference: 0 m [Outdoor unit—Indoor unit]
  - Cooling: Indoor temperature of 27.0 °CDB/19.0 °CWB, and outdoor temperature of 35 °CDB/24.0 °CWB.
  - Heating: Indoor temperature of 20.0 °CDB/15.0 °CWB, and outdoor temperature of 7.0 °CDB/6.0 °CWB.
- \*1: The maximum current is the maximum value when the 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: Connect to connection valve by the adapter.
- For other combination, refer to the combination table.
- The protective function might work when using it outside the operation range.

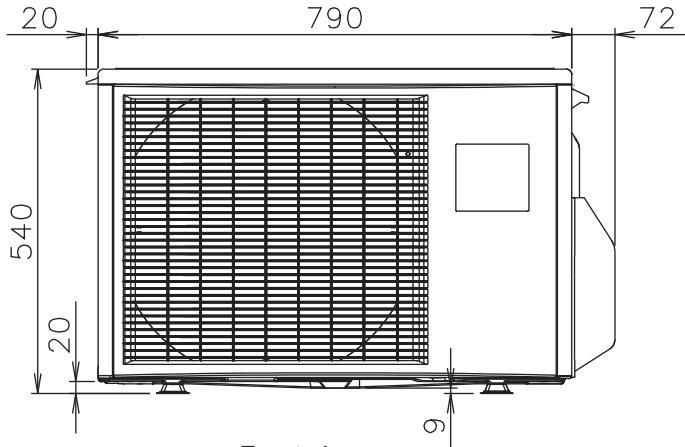
Product fiche					
Model name			AOYG14LAC2	AOYG18LAC2	
Energy efficiency class	Cooling		A <sup>++</sup>	A <sup>++</sup>	
	Heating (Average)		A <sup>+</sup>	A <sup>+</sup>	
P <sub>design</sub>	Cooling	kW	4.0 (35 °C)	5.0 (35 °C)	
	Heating (Average)		3.8 (-10 °C)	4.2 (-10 °C)	
SEER	Cooling	kWh/kWh	6.70	6.60	
SCOP	Heating (Average)		4.10	4.10	
Annual energy consumption	QCE		209	263	
	QHE (Average)		1,296	1,434	
Sound power level	Cooling	HIGH	dB (A)	61	63
	Heating			63	64

## 2. Dimensions

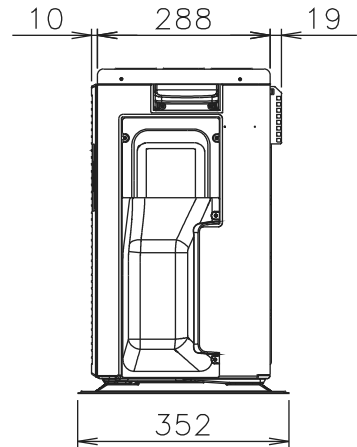
### 2-1. Models: AOYG14LAC2 and AOYG18LAC2



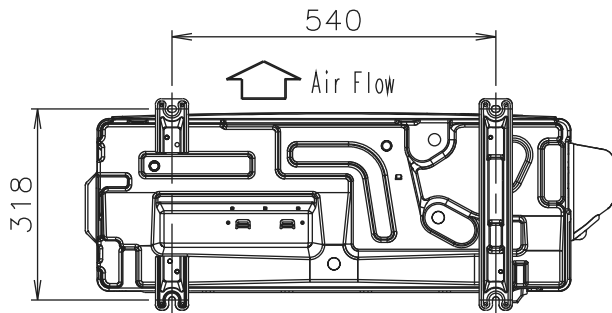
Top view



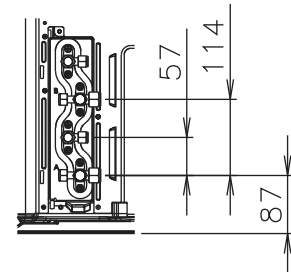
Front view



Side view



Bottom view



## 3. Installation space

### 3-1. Models: AOYG14LAC2 and AOYG18LAC2

#### ■ Space requirement

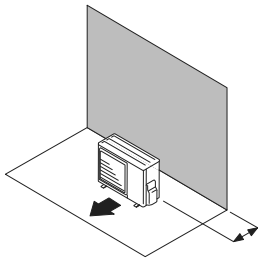
Provide sufficient installation space for product safety.

#### ● Single outdoor unit installation

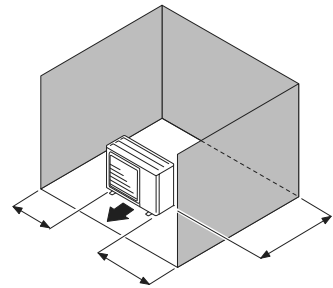
- When the upper space is open:

Unit: mm

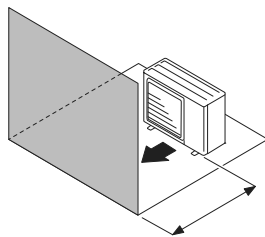
When there are obstacles at the rear only.



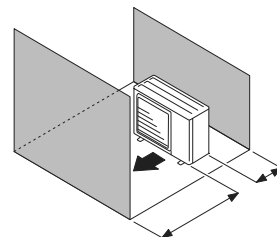
When there are obstacles at the rear and sides.



When there are obstacles at the front only.



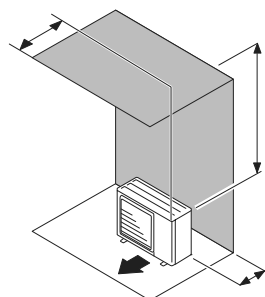
When there are obstacles at the front and rear.



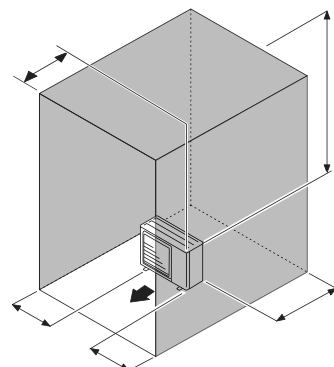
- When there is an obstruction in the upper space:

Unit: mm

When there are obstacles at the rear and above.



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

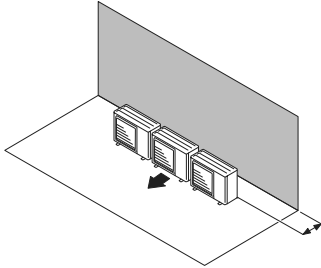


## ● Multiple outdoor unit installation

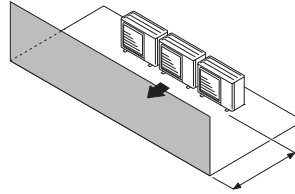
- When the upper space is open:

Unit: mm

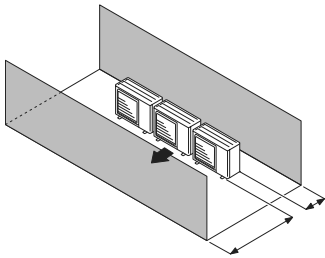
When there are obstacles at the rear only.



When there are obstacles at the front only.



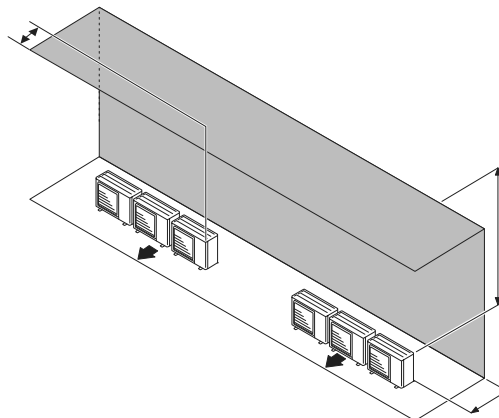
When there are obstacles at the front and rear.



- When there is an obstruction in the upper space:

Unit: mm

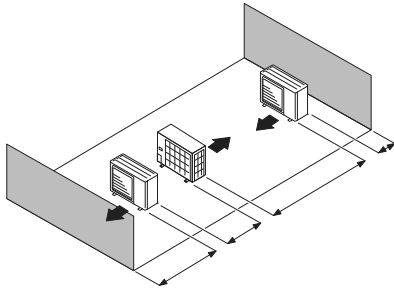
When there are obstacles at the rear and above.



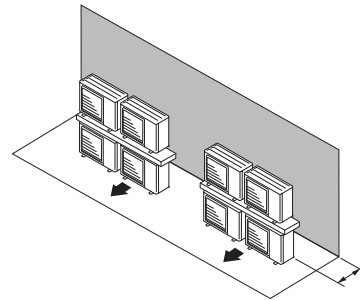
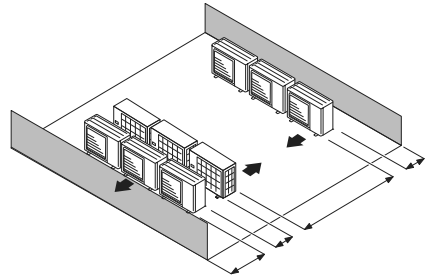
## ● Outdoor unit installation in multi-row

Unit: mm

Single parallel unit arrangement



Multiple parallel unit arrangement

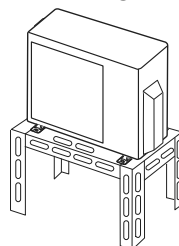


### NOTES:

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

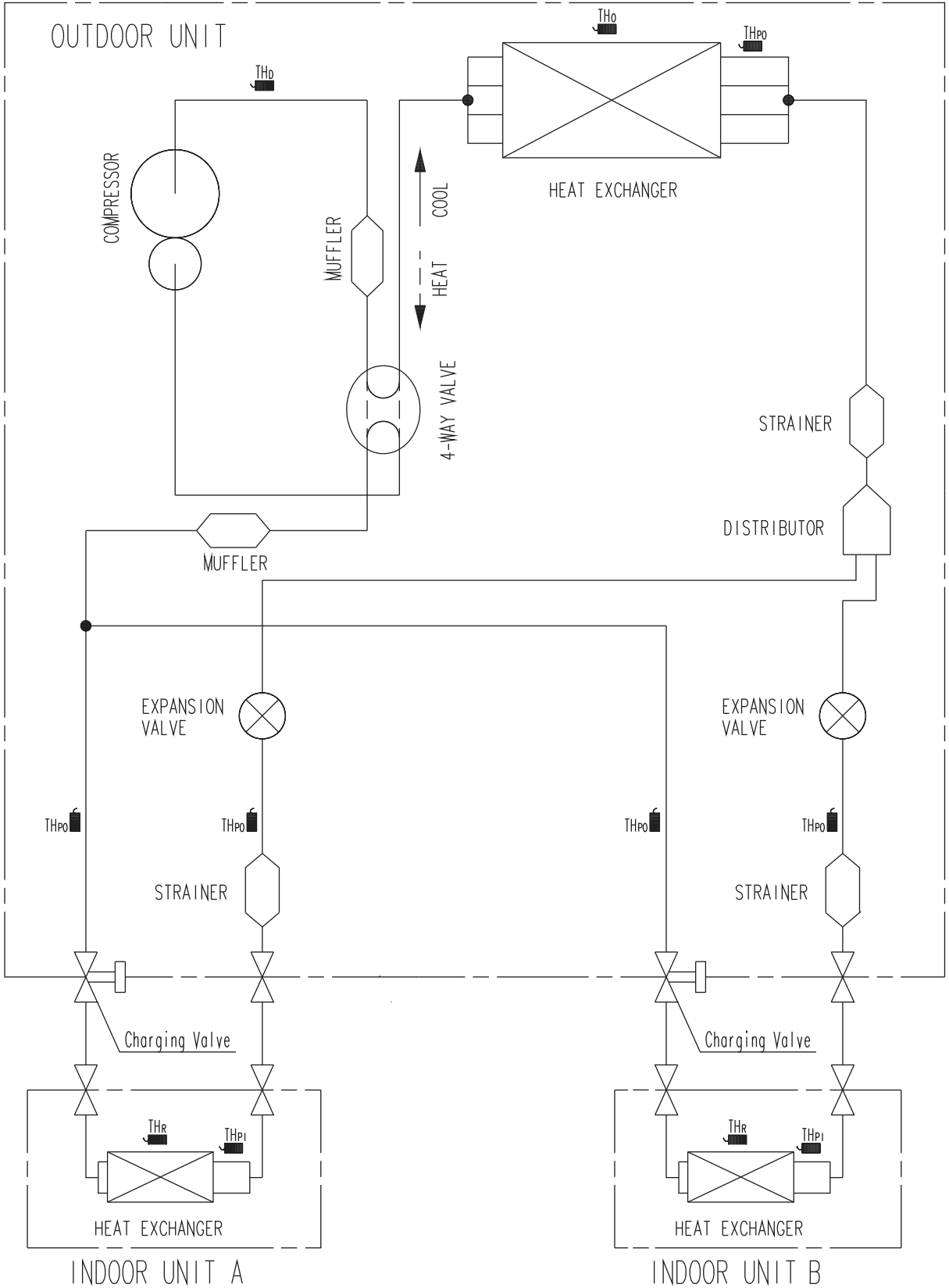
### ⚠ CAUTION

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



# 4. Refrigerant circuit

## 4-1. Model: AOYG14LAC2

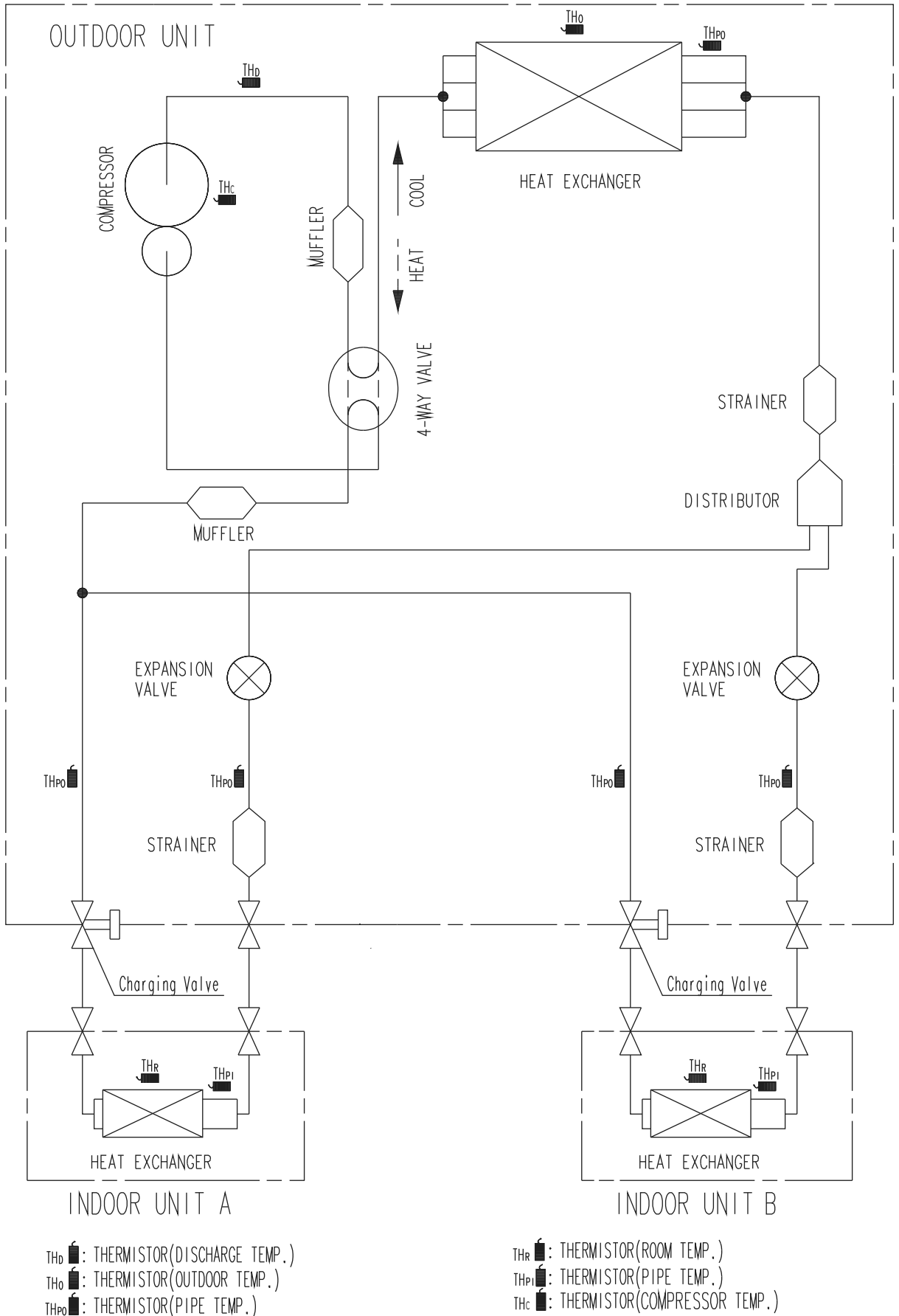


$TH_d$  ■: THERMISTOR(DISCHARGE TEMP.)  
 $TH_o$  ■: THERMISTOR(OUTDOOR TEMP.)  
 $TH_{Po}$  ■: THERMISTOR(PIPE TEMP.)

$TH_R$  ■: THERMISTOR(ROOM TEMP.)  
 $TH_{Pi}$  ■: THERMISTOR(PIPE TEMP.)

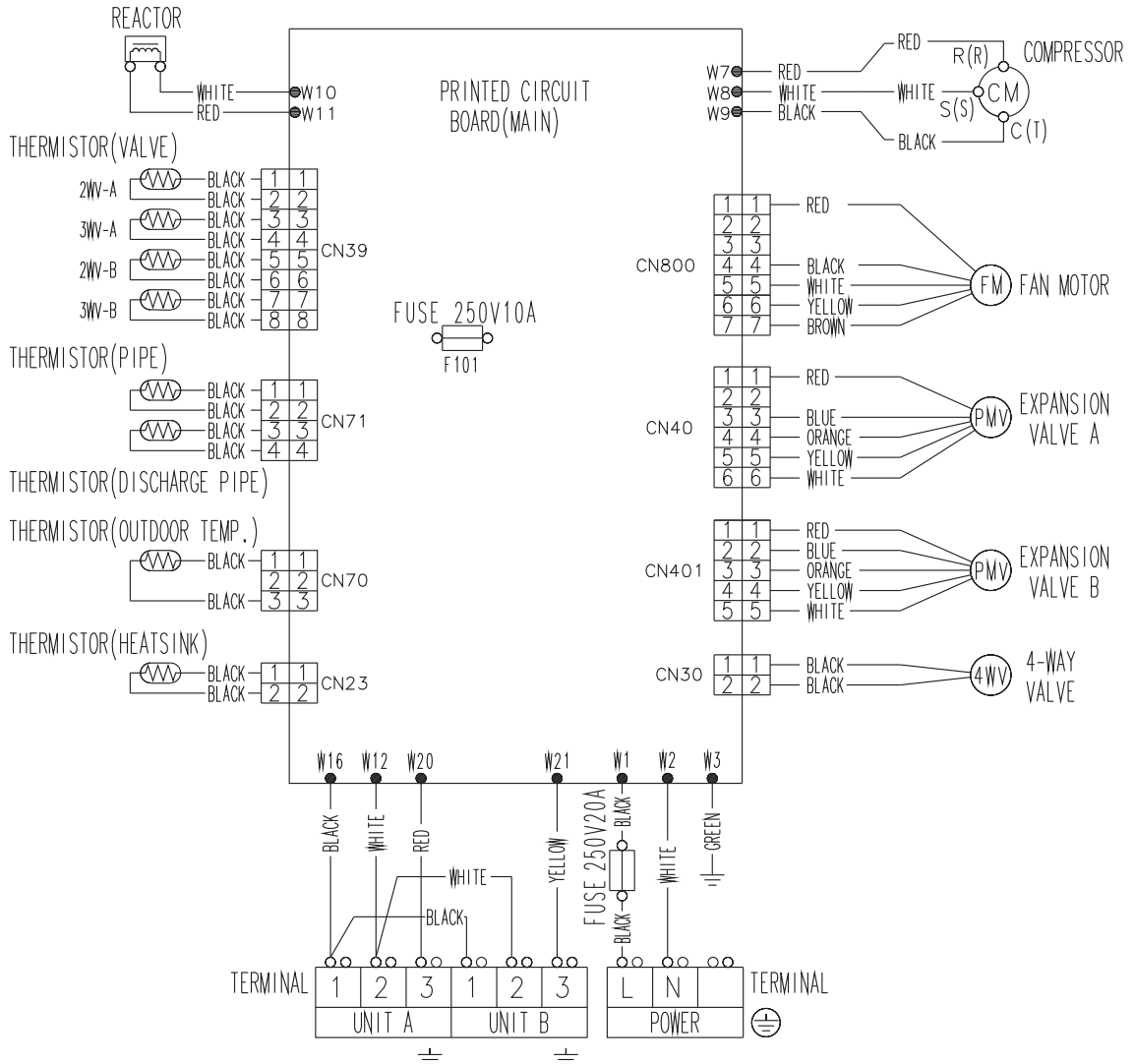


## 4-2. Model: AOYG18LAC2



# 5. Wiring diagram

## 5-1. Model: AOYG14LAC2





# 6. Capacity table

## 6-1. Combinations

### ■ Model: AOYG14LAC2

#### ● Cooling

Combination of indoor unit			Rated capacity for each indoor unit (kW)		Total capacity (kW)			Input power (kW)			EER (W/W)	Seasonal data		
Room		Total	Room		Min.	Rated	Max.	Min.	Rated	Max.		Pdesign (kW)	SEER (kWh/kWh)	Energy efficiency class
1	2		1	2										
7	7	14	2.00	2.00	1.4	4.00	4.4	0.35	1.09	1.40	3.67	4.0	6.7	A++
7	9	16	1.95	2.05	1.4	4.00	4.4	0.35	1.09	1.40	3.67	4.0	6.6	A++
7	12	19	1.65	2.35	1.4	4.00	4.6	0.35	1.05	1.47	3.81	4.0	6.5	A++
9	9	18	2.00	2.00	1.4	4.00	4.5	0.35	1.09	1.43	3.67	4.0	6.6	A++
9	12	21	1.70	2.30	1.4	4.00	4.7	0.35	1.05	1.47	3.81	4.0	6.5	A++

#### NOTES:

- 7: 7,000 Btu/h, 9: 9,000 Btu/h, 12: 12,000 Btu/h
- The above is the value for connecting with wall mounted type.
- 2 or more indoor units should be connected.
- Cooling: Indoor temperature of 27 °CDB/19 °CWB and outdoor temperature of 35 °CDB/ 24 °CWB.
- Pipe length: 5 m, Height difference: 0 m (Outdoor unit—Indoor unit)
- The total ability of connected a indoor unit is from 14,000 Btu up to 21,000 Btu.

#### ● Heating

Combination of indoor unit			Rated capacity for each indoor unit (kBtu/h)		Total capacity (kBtu/h)			Input power (kW)			COP (W/W)	Seasonal data		
Room		Total	Room		Min.	Rated	Max.	Min.	Rated	Max.		Pdesign (kW)	SCOP (kWh/kWh)	Energy efficiency class
1	2		1	2										
7	7	14	2.20	2.20	1.1	4.40	5.4	0.25	1.03	1.78	4.27	3.8	4.1	A+
7	9	16	2.15	2.25	1.1	4.40	5.4	0.25	1.03	1.78	4.27	3.8	4.1	A+
7	12	19	1.95	2.45	1.1	4.40	5.5	0.25	1.02	1.76	4.31	3.8	4.0	A+
9	9	18	2.20	2.20	1.1	4.40	5.4	0.25	1.03	1.78	4.27	3.8	4.0	A+
9	12	21	2.00	2.40	1.1	4.40	5.5	0.25	1.02	1.76	4.31	3.8	4.0	A+

#### NOTES:

- 7: 7,000 Btu/h, 9: 9,000 Btu/h, 12: 12,000 Btu/h
- The above is the value for connecting with wall mounted type.
- 2 or more indoor units should be connected.
- Heating: Indoor temperature of 20 °CDB, and outdoor temperature of 7 °CDB/6 °CWB.
- Pipe length: 5 m, Height difference: 0 m (Outdoor unit—Indoor unit)
- The total ability of connected a indoor unit is from 14,000 Btu up to 21,000 Btu.

# Model: AOYG18LAC2

## ● Cooling

Combination of indoor unit			Rated capacity for each indoor unit (kW)		Total capacity (kW)			Input power (kW)			EER (W/W)	Seasonal data		
Room		Total	Room		Min.	Rated	Max.	Min.	Rated	Max.		Pdesign (kW)	SEER (kWh/kWh)	Energy efficiency class
1	2		1	2										
7	7	14	2.10	2.10	1.7	4.20	5.2	0.35	1.24	1.68	3.39	4.2	7.0	A++
7	9	16	2.10	2.50	1.7	4.60	5.3	0.35	1.26	1.79	3.65	4.6	6.8	A++
7	12	19	1.90	3.10	1.7	5.00	5.6	0.35	1.55	1.95	3.23	5.0	6.5	A++
7	14	21	1.80	3.20	1.8	5.00	5.7	0.40	1.55	1.99	3.23	5.0	6.5	A++
9	9	18	2.50	2.50	1.7	5.00	5.6	0.35	1.56	1.95	3.21	5.0	6.6	A++
9	12	21	2.10	2.90	1.7	5.00	5.7	0.35	1.55	1.95	3.23	5.0	6.5	A++
9	14	23	2.00	3.00	1.8	5.00	5.8	0.40	1.55	1.99	3.23	5.0	6.4	A++
12	12	24	2.50	2.50	1.7	5.00	5.8	0.35	1.56	1.99	3.21	5.0	6.4	A++

### NOTES:

- 7: 7,000 Btu/h, 9: 9,000 Btu/h, 12: 12,000 Btu/h
- The above is the value for connecting with Wall Mounted type.
- 2 or more indoor units should be connected.
- Cooling: Indoor temperature of 27 °CDB/19 °CWB and outdoor temperature of 35 °CDB.
- Pipe length: 5 m, Height difference: 0 m (Outdoor unit—Indoor unit)
- The total ability of connected indoor units is from 14,000 Btu up to 24,000 Btu.
- Where "14" means "wall mounted type" only models. Other types of indoor units cannot be connected.

## ● Heating

Combination of indoor unit			Rated capacity for each indoor unit (kW)		Total capacity (kW)			Input power (kW)			COP (W/W)	Seasonal data		
Room		Total	Room		Min.	Rated	Max.	Min.	Rated	Max.		Pdesign (kW)	SEER (kWh/kWh)	Energy efficiency class
1	2		1	2										
7	7	14	2.70	2.70	1.8	5.40	6.0	0.50	1.24	1.61	4.37	3.8	4.1	A+
7	9	16	2.50	3.00	1.8	5.50	6.0	0.50	1.36	1.87	4.04	4.0	4.1	A+
7	12	19	2.30	3.30	1.8	5.60	6.1	0.50	1.38	1.88	4.06	4.2	4.0	A+
7	14	21	2.25	3.35	1.9	5.60	6.2	0.55	1.35	1.86	4.15	4.2	4.0	A+
9	9	18	2.80	2.80	1.8	5.60	6.1	0.50	1.41	1.90	3.97	4.2	4.1	A+
9	12	21	2.45	3.15	1.8	5.60	6.2	0.50	1.38	1.88	4.07	4.2	4.0	A+
9	14	23	2.35	3.25	1.9	5.60	6.3	0.55	1.35	1.86	4.15	4.2	4.0	A+
12	12	24	2.80	2.80	1.8	5.60	6.3	0.50	1.34	1.84	4.18	4.2	4.0	A+

### NOTES:

- 7: 7,000 Btu/h, 9: 9,000 Btu/h, 12: 12,000 Btu/h
- The above is the value for connecting with Wall Mounted type.
- 2 or more indoor units should be connected.
- Heating: Indoor temperature of 20 °CDB, and outdoor temperature of 7 °CDB/6 °CWB.
- Pipe length: 5 m, Height difference: 0 m (Outdoor unit—Indoor unit)
- The total ability of connected indoor units is from 14,000 Btu up to 24,000 Btu.
- Where "14" means "wall mounted type" only models. Other types of indoor units cannot be connected.

# 6-2. Cooling capacity

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

## ■ Model: AOYG14LAC2

- TC: Total Capacity, IP: Input Power
- 2 or more indoor units should be connected.

### ● Indoor units: 7,000 Btu

		Indoor temperature															
°CDB		18		21		23		25		27		29		30		32	
°CWB		12		15		16		18		19		21		22		23	
Outdoor temperature	°CDB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
10	1.62	0.35	1.80	0.36	1.87	0.36	1.99	0.36	2.05	0.36	2.17	0.37	2.23	0.37	2.30	0.37	
15	1.51	0.40	1.68	0.40	1.74	0.40	1.85	0.41	1.91	0.41	2.03	0.41	2.08	0.42	2.14	0.42	
20	1.74	0.46	1.94	0.47	2.01	0.47	2.14	0.48	2.21	0.48	2.34	0.48	2.41	0.49	2.47	0.49	
25	1.79	0.47	2.00	0.47	2.06	0.47	2.20	0.48	2.27	0.48	2.40	0.49	2.47	0.49	2.54	0.49	
30	2.16	0.75	2.41	0.76	2.49	0.76	2.65	0.77	2.73	0.77	2.90	0.78	2.98	0.78	3.06	0.79	
35	2.13	0.73	2.38	0.74	2.46	0.75	2.62	0.76	2.70	0.76	2.86	0.77	2.94	0.77	3.02	0.78	
40	2.01	0.82	2.24	0.83	2.32	0.83	2.47	0.84	2.55	0.85	2.70	0.85	2.78	0.86	2.86	0.86	
46	1.93	0.93	2.15	0.95	2.23	0.95	2.37	0.96	2.45	0.97	2.59	0.98	2.67	0.98	2.74	0.98	

### ● Indoor units: 9,000 Btu

		Indoor temperature															
°CDB		18		21		23		25		27		29		30		32	
°CWB		12		15		16		18		19		21		22		23	
Outdoor temperature	°CDB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
10	1.78	0.45	1.99	0.46	2.06	0.46	2.19	0.47	2.26	0.47	2.39	0.47	2.46	0.48	2.53	0.48	
15	1.65	0.50	1.84	0.51	1.91	0.51	2.03	0.52	2.09	0.52	2.22	0.52	2.28	0.53	2.35	0.53	
20	2.44	0.75	2.72	0.76	2.81	0.76	2.99	0.77	3.09	0.77	3.27	0.78	3.36	0.78	3.46	0.79	
25	2.46	0.75	2.74	0.76	2.84	0.77	3.02	0.77	3.12	0.78	3.30	0.78	3.40	0.79	3.49	0.79	
30	2.66	0.91	2.96	0.93	3.06	0.93	3.26	0.94	3.36	0.95	3.57	0.96	3.67	0.96	3.77	0.97	
35	2.53	0.99	2.82	1.01	2.91	1.01	3.10	1.02	3.20	1.03	3.39	1.04	3.49	1.04	3.58	1.05	
40	2.38	1.11	2.65	1.13	2.74	1.13	2.92	1.15	3.01	1.15	3.19	1.16	3.28	1.17	3.37	1.17	
46	2.23	1.06	2.49	1.08	2.57	1.09	2.74	1.10	2.82	1.10	2.99	1.11	3.08	1.12	3.16	1.12	

### ● Indoor units: 12,000 Btu

		Indoor temperature															
°CDB		18		21		23		25		27		29		30		32	
°CWB		12		15		16		18		19		21		22		23	
Outdoor temperature	°CDB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
10	2.60	0.71	2.89	0.72	2.99	0.73	3.19	0.73	3.29	0.74	3.48	0.75	3.58	0.75	3.68	0.75	
15	2.65	0.65	2.95	0.66	3.05	0.66	3.25	0.67	3.35	0.67	3.55	0.68	3.65	0.68	3.75	0.69	
20	3.06	0.93	3.41	0.94	3.52	0.94	3.75	0.95	3.87	0.96	4.10	0.97	4.22	0.97	4.33	0.98	
25	2.90	1.02	3.23	1.04	3.34	1.04	3.56	1.05	3.67	1.06	3.89	1.07	4.00	1.07	4.11	1.08	
30	3.09	1.05	3.44	1.06	3.56	1.07	3.79	1.08	3.91	1.08	4.15	1.09	4.26	1.10	4.38	1.11	
35	2.92	1.17	3.26	1.19	3.37	1.19	3.59	1.20	3.70	1.21	3.92	1.22	4.03	1.23	4.14	1.23	
40	2.64	1.17	2.94	1.19	3.04	1.20	3.24	1.21	3.34	1.22	3.54	1.23	3.64	1.24	3.74	1.24	
46	2.37	1.06	2.64	1.08	2.73	1.08	2.91	1.10	3.00	1.10	3.18	1.11	3.27	1.12	3.36	1.12	

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

		Indoor temperature															
°CDB		18		21		23		25		27		29		30		32	
°CWB		12		15		16		18		19		21		22		23	
Outdoor temperature	°CDB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
10	3.22	0.73	3.59	0.74	3.71	0.74	3.96	0.75	4.08	0.75	4.33	0.76	4.45	0.76	4.57	0.77	
15	3.06	0.84	3.41	0.85	3.53	0.85	3.76	0.86	3.88	0.87	4.11	0.87	4.23	0.88	4.34	0.88	
20	3.47	1.05	3.87	1.07	4.00	1.07	4.27	1.08	4.40	1.09	4.66	1.10	4.79	1.11	4.93	1.11	
25	3.61	0.93	4.03	0.94	4.16	0.95	4.44	0.96	4.57	0.96	4.85	0.97	4.99	0.97	5.12	0.98	
30	3.68	1.19	4.10	1.21	4.24	1.21	4.52	1.23	4.66	1.23	4.94	1.24	5.08	1.25	5.22	1.26	
35	3.48	1.35	3.87	1.37	4.00	1.38	4.27	1.39	4.40	1.40	4.66	1.41	4.80	1.42	4.93	1.43	
40	3.05	1.31	3.39	1.33	3.51	1.34	3.74	1.35	3.86	1.36	4.09	1.37	4.20	1.38	4.32	1.39	
46	2.61	1.11	2.90	1.13	3.00	1.14	3.20	1.15	3.30	1.15	3.50	1.17	3.59	1.17	3.69	1.18	

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

		Indoor temperature															
		18		21		23		25		27		29		30		32	
		°CDB		°CWB		°CDB		°CWB		°CDB		°CWB		°CDB		°CWB	
Outdoor temperature	°CDB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
	10	3.39	0.86	3.78	0.87	3.91	0.88	4.16	0.88	4.29	0.89	4.55	0.90	4.68	0.90	4.81	0.91
	15	3.22	0.98	3.59	0.99	3.71	1.00	3.96	1.01	4.08	1.01	4.32	1.02	4.45	1.03	4.57	1.03
	20	4.05	0.97	4.51	0.98	4.66	0.99	4.97	1.00	5.12	1.00	5.43	1.01	5.58	1.02	5.74	1.02
	25	3.91	1.05	4.36	1.06	4.51	1.07	4.80	1.08	4.95	1.09	5.25	1.10	5.40	1.10	5.55	1.11
	30	3.60	1.16	4.01	1.17	4.15	1.18	4.42	1.19	4.56	1.20	4.83	1.21	4.97	1.22	5.10	1.22
	35	3.48	1.35	3.87	1.37	4.00	1.38	4.27	1.39	4.40	1.40	4.66	1.41	4.80	1.42	4.93	1.43
	40	3.05	1.31	3.40	1.33	3.51	1.34	3.74	1.35	3.86	1.36	4.09	1.37	4.21	1.38	4.32	1.39
	46	2.61	1.11	2.90	1.13	3.00	1.14	3.20	1.15	3.30	1.15	3.50	1.16	3.60	1.17	3.70	1.18

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

		Indoor temperature															
		18		21		23		25		27		29		30		32	
		°CDB		°CWB		°CDB		°CWB		°CDB		°CWB		°CDB		°CWB	
Outdoor temperature	°CDB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
	10	3.58	1.04	3.99	1.06	4.12	1.07	4.40	1.08	4.53	1.08	4.80	1.09	4.94	1.10	5.08	1.10
	15	3.72	0.97	4.14	0.99	4.28	0.99	4.57	1.00	4.71	1.01	4.99	1.02	5.13	1.02	5.27	1.03
	20	4.23	1.01	4.71	1.03	4.87	1.03	5.19	1.04	5.35	1.05	5.67	1.06	5.83	1.07	6.00	1.07
	25	4.08	1.09	4.55	1.11	4.70	1.11	5.01	1.12	5.17	1.13	5.48	1.14	5.63	1.15	5.79	1.15
	30	3.85	1.24	4.29	1.26	4.44	1.27	4.73	1.28	4.88	1.29	5.17	1.30	5.32	1.31	5.46	1.31
	35	3.63	1.42	4.05	1.44	4.19	1.45	4.46	1.46	4.60	1.47	4.88	1.48	5.01	1.49	5.15	1.50
	40	3.14	1.35	3.50	1.37	3.62	1.38	3.86	1.39	3.98	1.40	4.22	1.41	4.34	1.42	4.46	1.43
	46	2.68	1.16	2.99	1.18	3.09	1.19	3.29	1.20	3.39	1.20	3.60	1.22	3.70	1.22	3.80	1.23

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

		Indoor temperature															
		18		21		23		25		27		29		30		32	
		°CDB		°CWB		°CDB		°CWB		°CDB		°CWB		°CDB		°CWB	
Outdoor temperature	°CDB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
	10	3.62	1.02	4.03	1.04	4.17	1.04	4.45	1.05	4.59	1.06	4.86	1.07	5.00	1.07	5.14	1.08
	15	3.76	0.95	4.19	0.96	4.33	0.97	4.62	0.98	4.76	0.98	5.04	0.99	5.19	1.00	5.33	1.00
	20	4.14	0.99	4.61	1.01	4.77	1.01	5.08	1.02	5.24	1.03	5.55	1.04	5.71	1.04	5.87	1.05
	25	4.00	1.07	4.46	1.09	4.61	1.09	4.91	1.10	5.07	1.11	5.37	1.12	5.52	1.13	5.67	1.13
	30	3.68	1.18	4.10	1.20	4.24	1.20	4.52	1.22	4.66	1.22	4.94	1.24	5.08	1.24	5.22	1.25
	35	3.55	1.38	3.96	1.40	4.09	1.41	4.36	1.42	4.50	1.43	4.77	1.44	4.90	1.45	5.04	1.46
	40	3.12	1.34	3.47	1.36	3.59	1.37	3.83	1.38	3.95	1.39	4.18	1.40	4.30	1.41	4.42	1.41
	46	2.67	1.14	2.97	1.15	3.07	1.16	3.27	1.17	3.38	1.18	3.58	1.19	3.68	1.20	3.78	1.20

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

		Indoor temperature															
		18		21		23		25		27		29		30		32	
		°CDB		°CWB		°CDB		°CWB		°CDB		°CWB		°CDB		°CWB	
Outdoor temperature	°CDB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
	10	4.36	1.07	4.86	1.09	5.03	1.09	5.36	1.10	5.52	1.11	5.85	1.12	6.02	1.13	6.19	1.13
	15	4.11	1.18	4.58	1.20	4.74	1.20	5.05	1.22	5.21	1.22	5.52	1.23	5.67	1.24	5.83	1.25
	20	4.32	1.01	4.82	1.02	4.98	1.03	5.31	1.04	5.47	1.05	5.80	1.06	5.96	1.06	6.13	1.07
	25	4.18	1.09	4.65	1.11	4.81	1.12	5.13	1.13	5.29	1.13	5.61	1.15	5.77	1.15	5.92	1.16
	30	3.94	1.24	4.39	1.26	4.54	1.27	4.83	1.28	4.98	1.29	5.28	1.30	5.43	1.31	5.58	1.31
	35	3.71	1.42	4.14	1.44	4.28	1.45	4.56	1.46	4.70	1.47	4.98	1.48	5.12	1.49	5.26	1.50
	40	3.21	1.35	3.58	1.37	3.70	1.38	3.94	1.39	4.07	1.40	4.31	1.41	4.43	1.42	4.55	1.43
	46	2.74	1.16	3.05	1.18	3.16	1.19	3.36	1.20	3.47	1.20	3.68	1.22	3.78	1.22	3.88	1.23

## ■ Model: AOYG18LAC2

- TC: Total Capacity, IP: Input Power
- 2 or more indoor units should be connected.

### ● Indoor units: 7,000 Btu

		Indoor temperature															
°CDB		18		21		23		25		27		29		30		32	
°CWB		12		15		16		18		19		21		22		23	
Outdoor temperature	°CDB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
	10	2.04	0.35	2.27	0.35	2.35	0.36	2.51	0.36	2.58	0.36	2.74	0.37	2.82	0.37	2.89	0.37
15	2.07	0.35	2.30	0.36	2.38	0.36	2.54	0.36	2.62	0.36	2.77	0.37	2.85	0.37	2.93	0.37	
20	2.27	0.47	2.53	0.48	2.62	0.48	2.79	0.48	2.88	0.49	3.05	0.49	3.14	0.49	3.22	0.50	
25	2.00	0.60	2.23	0.61	2.30	0.62	2.45	0.62	2.53	0.62	2.68	0.63	2.76	0.63	2.83	0.64	
30	2.27	0.61	2.52	0.62	2.61	0.62	2.78	0.63	2.87	0.63	3.04	0.64	3.13	0.64	3.21	0.64	
35	2.13	0.69	2.38	0.71	2.46	0.71	2.62	0.72	2.70	0.72	2.86	0.73	2.94	0.73	3.02	0.73	
40	1.96	0.77	2.18	0.78	2.26	0.79	2.40	0.79	2.48	0.80	2.63	0.81	2.70	0.81	2.78	0.81	
46	1.83	0.87	2.04	0.88	2.11	0.89	2.25	0.90	2.32	0.90	2.45	0.91	2.52	0.92	2.59	0.92	

### ● Indoor units: 9,000 Btu

		Indoor temperature															
°CDB		18		21		23		25		27		29		30		32	
°CWB		12		15		16		18		19		21		22		23	
Outdoor temperature	°CDB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
	10	2.39	0.40	2.66	0.41	2.75	0.41	2.94	0.42	3.03	0.42	3.21	0.42	3.30	0.43	3.39	0.43
15	2.37	0.41	2.64	0.41	2.73	0.41	2.91	0.42	3.00	0.42	3.18	0.42	3.27	0.43	3.36	0.43	
20	2.62	0.53	2.91	0.54	3.01	0.54	3.21	0.54	3.31	0.55	3.51	0.55	3.61	0.56	3.71	0.56	
25	2.48	0.58	2.76	0.59	2.86	0.60	3.04	0.60	3.14	0.61	3.33	0.61	3.42	0.61	3.52	0.62	
30	2.63	0.87	2.93	0.88	3.03	0.88	3.23	0.89	3.33	0.90	3.53	0.91	3.63	0.91	3.73	0.92	
35	2.53	1.01	2.82	1.03	2.91	1.03	3.10	1.04	3.20	1.05	3.39	1.06	3.49	1.07	3.58	1.07	
40	2.33	1.08	2.59	1.10	2.68	1.10	2.86	1.11	2.94	1.12	3.12	1.13	3.21	1.14	3.30	1.14	
46	2.25	1.18	2.51	1.20	2.60	1.20	2.77	1.22	2.85	1.22	3.02	1.23	3.11	1.24	3.19	1.25	

### ● Indoor units: 12,000 Btu

		Indoor temperature															
°CDB		18		21		23		25		27		29		30		32	
°CWB		12		15		16		18		19		21		22		23	
Outdoor temperature	°CDB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
	10	2.81	0.57	3.13	0.58	3.23	0.58	3.45	0.59	3.55	0.59	3.76	0.60	3.87	0.60	3.98	0.61
15	2.82	0.57	3.14	0.57	3.25	0.58	3.47	0.58	3.57	0.59	3.79	0.59	3.90	0.59	4.00	0.60	
20	3.23	0.79	3.59	0.80	3.72	0.81	3.96	0.81	4.09	0.82	4.33	0.83	4.45	0.83	4.58	0.83	
25	2.67	0.86	2.97	0.88	3.07	0.88	3.28	0.89	3.38	0.89	3.58	0.90	3.68	0.91	3.78	0.91	
30	3.10	1.14	3.45	1.16	3.57	1.17	3.80	1.18	3.92	1.18	4.15	1.19	4.27	1.20	4.39	1.21	
35	2.92	1.29	3.26	1.31	3.37	1.32	3.59	1.33	3.70	1.34	3.92	1.35	4.03	1.36	4.14	1.37	
40	2.66	1.37	2.96	1.39	3.06	1.40	3.26	1.42	3.36	1.42	3.57	1.44	3.67	1.44	3.77	1.45	
46	2.39	1.25	2.66	1.27	2.75	1.28	2.93	1.29	3.02	1.30	3.20	1.31	3.29	1.32	3.39	1.33	

### ● Indoor units: 14,000 Btu

		Indoor temperature															
°CDB		18		21		23		25		27		29		30		32	
°CWB		12		15		16		18		19		21		22		23	
Outdoor temperature	°CDB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
	10	3.61	0.69	4.03	0.71	4.16	0.71	4.44	0.72	4.57	0.72	4.85	0.73	4.99	0.73	5.12	0.73
15	4.08	0.82	4.54	0.84	4.70	0.84	5.01	0.85	5.16	0.85	5.47	0.86	5.63	0.87	5.78	0.87	
20	3.96	0.91	4.41	0.93	4.56	0.93	4.86	0.94	5.01	0.95	5.31	0.96	5.46	0.96	5.61	0.97	
25	3.79	1.09	4.22	1.11	4.36	1.12	4.65	1.13	4.79	1.13	5.08	1.14	5.22	1.15	5.37	1.16	
30	4.03	1.54	4.49	1.56	4.65	1.57	4.95	1.59	5.11	1.60	5.41	1.61	5.57	1.62	5.72	1.63	
35	3.79	1.72	4.22	1.74	4.37	1.75	4.66	1.77	4.80	1.78	5.09	1.80	5.23	1.81	5.38	1.82	
40	3.30	1.55	3.67	1.58	3.80	1.59	4.05	1.60	4.18	1.61	4.43	1.63	4.55	1.63	4.68	1.64	
46	2.73	1.21	3.04	1.23	3.14	1.24	3.35	1.25	3.45	1.26	3.66	1.27	3.76	1.28	3.87	1.28	



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

		Indoor temperature															
		18		21		23		25		27		29		30		32	
		°CDB		°CWB		°CDB		°CWB		°CDB		°CWB		°CDB		°CWB	
Outdoor temperature	°CDB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
	10	3.65	0.57	4.07	0.58	4.21	0.58	4.49	0.59	4.62	0.59	4.90	0.60	5.04	0.60	5.18	0.60
	15	3.68	0.53	4.10	0.54	4.24	0.54	4.52	0.55	4.66	0.55	4.94	0.56	5.08	0.56	5.22	0.56
	20	4.38	0.89	4.88	0.91	5.05	0.91	5.38	0.92	5.55	0.93	5.88	0.94	6.04	0.94	6.21	0.95
	25	4.20	1.01	4.68	1.03	4.84	1.03	5.16	1.04	5.31	1.05	5.63	1.06	5.79	1.06	5.95	1.07
	30	4.36	1.43	4.85	1.45	5.02	1.46	5.35	1.48	5.51	1.48	5.85	1.50	6.01	1.51	6.18	1.51
	35	4.11	1.62	4.58	1.64	4.73	1.65	5.04	1.67	5.20	1.68	5.51	1.69	5.67	1.70	5.82	1.71
	40	3.46	1.45	3.86	1.47	3.99	1.48	4.25	1.50	4.38	1.50	4.65	1.52	4.78	1.53	4.91	1.53
	46	2.60	1.26	2.89	1.28	2.99	1.29	3.19	1.30	3.29	1.31	3.48	1.32	3.58	1.33	3.68	1.34

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

		Indoor temperature															
		18		21		23		25		27		29		30		32	
		°CDB		°CWB		°CDB		°CWB		°CDB		°CWB		°CDB		°CWB	
Outdoor temperature	°CDB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
	10	3.93	0.71	4.38	0.72	4.53	0.73	4.83	0.73	4.98	0.74	5.28	0.75	5.43	0.75	5.58	0.75
	15	4.12	0.63	4.59	0.64	4.75	0.64	5.06	0.65	5.22	0.65	5.53	0.66	5.69	0.66	5.85	0.66
	20	4.82	1.08	5.37	1.10	5.55	1.10	5.92	1.11	6.10	1.12	6.47	1.13	6.65	1.14	6.84	1.14
	25	4.55	1.23	5.07	1.24	5.24	1.25	5.59	1.26	5.76	1.27	6.10	1.28	6.28	1.29	6.45	1.30
	30	4.36	1.51	4.86	1.53	5.02	1.54	5.35	1.56	5.52	1.57	5.85	1.58	6.02	1.59	6.18	1.60
	35	4.19	1.73	4.66	1.75	4.82	1.76	5.14	1.78	5.30	1.79	5.62	1.81	5.78	1.82	5.94	1.83
	40	3.49	1.52	3.89	1.54	4.02	1.55	4.28	1.57	4.42	1.58	4.68	1.59	4.82	1.60	4.95	1.61
	46	2.60	1.28	2.89	1.30	2.99	1.30	3.19	1.32	3.29	1.32	3.49	1.34	3.58	1.34	4.05	1.35

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

		Indoor temperature															
		18		21		23		25		27		29		30		32	
		°CDB		°CWB		°CDB		°CWB		°CDB		°CWB		°CDB		°CWB	
Outdoor temperature	°CDB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
	10	4.07	0.87	4.54	0.88	4.69	0.89	5.00	0.90	5.16	0.90	5.46	0.91	5.62	0.92	5.77	0.92
	15	4.60	0.81	5.13	0.82	5.30	0.83	5.65	0.84	5.82	0.84	6.17	0.85	6.35	0.85	6.52	0.86
	20	5.20	1.23	5.79	1.25	5.99	1.26	6.39	1.27	6.58	1.28	6.98	1.29	7.18	1.30	7.37	1.30
	25	4.96	1.41	5.53	1.43	5.71	1.44	6.09	1.45	6.28	1.46	6.66	1.48	6.84	1.48	7.03	1.49
	30	4.80	1.74	5.34	1.77	5.53	1.77	5.89	1.79	6.07	1.80	6.44	1.82	6.62	1.83	6.80	1.84
	35	4.42	1.88	4.93	1.91	5.09	1.92	5.43	1.94	5.60	1.95	5.93	1.97	6.10	1.98	6.27	1.99
	40	3.53	1.49	3.93	1.51	4.07	1.52	4.34	1.54	4.47	1.54	4.74	1.56	4.87	1.57	5.01	1.57
	46	2.62	1.30	2.92	1.32	3.02	1.32	3.22	1.34	3.32	1.34	3.52	1.36	3.62	1.36	3.72	1.37

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

		Indoor temperature															
		18		21		23		25		27		29		30		32	
		°CDB		°CWB		°CDB		°CWB		°CDB		°CWB		°CDB		°CWB	
Outdoor temperature	°CDB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
	10	5.29	0.90	5.89	0.92	6.09	0.92	6.49	0.93	6.69	0.93	7.10	0.94	7.30	0.95	7.50	0.95
	15	5.01	1.04	5.58	1.05	5.77	1.06	6.15	1.07	6.34	1.07	6.72	1.08	6.91	1.09	7.10	1.10
	20	5.33	1.33	5.94	1.35	6.14	1.36	6.54	1.37	6.75	1.38	7.15	1.39	7.35	1.40	7.56	1.41
	25	5.08	1.52	5.66	1.54	5.86	1.55	6.24	1.56	6.44	1.57	6.82	1.59	7.02	1.60	7.21	1.60
	30	4.83	1.77	5.38	1.80	5.57	1.81	5.93	1.83	6.12	1.84	6.49	1.85	6.67	1.86	6.85	1.87
	35	4.50	1.92	5.02	1.95	5.19	1.96	5.53	1.98	5.70	1.99	6.04	2.01	6.21	2.02	6.38	2.03
	40	3.53	1.51	3.93	1.53	4.07	1.54	4.33	1.56	4.47	1.57	4.74	1.58	4.87	1.59	5.00	1.60
	46	2.62	1.31	2.92	1.33	3.02	1.34	3.22	1.35	3.32	1.36	3.52	1.37	3.62	1.38	3.72	1.39

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

		Indoor temperature															
		18		21		23		25		27		29		30		32	
		°CDB		°CWB		°CDB		°CWB		°CDB		°CWB		°CDB		°CWB	
Outdoor temperature	°CDB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
	10	3.96	0.86	4.41	0.88	4.56	0.88	4.86	0.89	5.01	0.89	5.31	0.90	5.46	0.91	5.61	0.91
	15	4.37	0.78	4.87	0.79	5.04	0.79	5.37	0.80	5.53	0.81	5.87	0.81	6.03	0.82	6.20	0.82
	20	4.92	1.20	5.48	1.22	5.67	1.22	6.05	1.23	6.23	1.24	6.61	1.25	6.79	1.26	6.98	1.27
	25	4.69	1.37	5.22	1.39	5.40	1.40	5.75	1.41	5.93	1.42	6.29	1.43	6.47	1.44	6.64	1.45
	30	4.54	1.71	5.05	1.74	5.22	1.75	5.57	1.76	5.74	1.77	6.09	1.79	6.26	1.80	6.43	1.81
	35	4.42	1.88	4.93	1.91	5.09	1.92	5.43	1.94	5.60	1.95	5.93	1.97	6.10	1.98	6.27	1.99
	40	3.52	1.48	3.92	1.50	4.05	1.51	4.32	1.52	4.45	1.53	4.72	1.54	4.86	1.55	4.99	1.56
	46	2.60	1.29	2.90	1.31	3.00	1.31	3.19	1.33	3.29	1.33	3.49	1.35	3.59	1.35	3.69	1.36

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

		Indoor temperature																	
°CDB		18		21		23		25		27		29		30		32			
°CWB		12		15		16		18		19		21		22		23			
Outdoor temperature	°CDB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP		
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
	10	5.32	0.89	5.92	0.90	6.12	0.91	6.53	0.92	6.73	0.92	7.13	0.93	7.34	0.93	7.54	0.94		
	15	5.03	1.02	5.60	1.04	5.80	1.04	6.18	1.05	6.37	1.06	6.75	1.07	6.94	1.07	7.13	1.08		
	20	5.32	1.31	5.93	1.33	6.13	1.33	6.54	1.35	6.74	1.36	7.14	1.37	7.34	1.38	7.55	1.38		
	25	5.07	1.49	5.65	1.51	5.84	1.52	6.23	1.54	6.42	1.54	6.81	1.56	7.00	1.57	7.19	1.57		
	30	4.82	1.74	5.37	1.76	5.55	1.77	5.92	1.79	6.10	1.80	6.47	1.82	6.65	1.83	6.83	1.84		
	35	4.50	1.88	5.02	1.91	5.19	1.92	5.53	1.94	5.70	1.95	6.04	1.97	6.21	1.98	6.38	1.99		
	40	3.55	1.49	3.95	1.51	4.08	1.52	4.35	1.53	4.49	1.54	4.76	1.56	4.89	1.56	5.03	1.57		
46	2.66	1.29	2.96	1.31	3.06	1.32	3.26	1.33	3.36	1.34	3.56	1.35	3.67	1.36	3.77	1.37			

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

		Indoor temperature																	
°CDB		18		21		23		25		27		29		30		32			
°CWB		12		15		16		18		19		21		22		23			
Outdoor temperature	°CDB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP		
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
	10	5.59	1.02	6.23	1.03	6.44	1.04	6.87	1.05	7.08	1.06	7.5	1.07	7.72	1.07	7.93	1.08		
	15	5.28	1.15	5.88	1.16	6.08	1.17	6.48	1.18	6.68	1.19	7.08	1.20	7.28	1.21	7.48	1.21		
	20	5.49	1.38	6.11	1.40	6.32	1.41	6.74	1.43	6.94	1.43	7.36	1.45	7.57	1.45	7.78	1.46		
	25	5.23	1.57	5.83	1.60	6.03	1.61	6.43	1.62	6.62	1.63	7.02	1.65	7.22	1.66	7.42	1.66		
	30	4.91	1.77	5.47	1.80	5.66	1.81	6.03	1.83	6.22	1.84	6.59	1.85	6.78	1.86	6.96	1.87		
	35	4.58	1.92	5.10	1.95	5.28	1.96	5.63	1.98	5.80	1.99	6.15	2.01	6.32	2.02	6.50	2.03		
	40	3.57	1.51	3.98	1.53	4.11	1.54	4.39	1.56	4.52	1.57	4.79	1.58	4.93	1.59	5.06	1.60		
46	2.66	1.31	2.96	1.33	3.06	1.34	3.26	1.35	3.36	1.36	3.56	1.37	3.66	1.38	3.77	1.39			

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

		Indoor temperature																	
°CDB		18		21		23		25		27		29		30		32			
°CWB		12		15		16		18		19		21		22		23			
Outdoor temperature	°CDB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP		
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
	10	5.60	1.02	6.23	1.04	6.45	1.04	6.87	1.05	7.08	1.06	7.51	1.07	7.72	1.07	7.94	1.08		
	15	5.28	1.15	5.88	1.17	6.08	1.17	6.48	1.18	6.68	1.19	7.08	1.20	7.28	1.21	7.49	1.21		
	20	5.49	1.38	6.11	1.40	6.32	1.41	6.73	1.43	6.94	1.43	7.36	1.45	7.57	1.45	7.78	1.46		
	25	5.23	1.57	5.83	1.60	6.02	1.61	6.42	1.62	6.62	1.63	7.02	1.65	7.22	1.66	7.41	1.66		
	30	4.91	1.77	5.47	1.80	5.66	1.81	6.03	1.83	6.22	1.83	6.59	1.85	6.78	1.86	6.97	1.87		
	35	4.58	1.92	5.10	1.95	5.28	1.96	5.63	1.98	5.80	1.99	6.15	2.01	6.32	2.02	6.50	2.03		
	40	3.57	1.51	3.98	1.53	4.12	1.54	4.39	1.56	4.52	1.56	4.80	1.58	4.93	1.59	5.07	1.60		
46	2.66	1.31	2.96	1.33	3.06	1.34	3.26	1.35	3.36	1.36	3.57	1.37	3.67	1.38	3.77	1.38			

## 6-3. Heating capacity

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

### ■ Model: AOYG14LAC2

- TC: Total Capacity, IP: Input Power
- 2 or more indoor units should be connected.

#### ● Indoor units: 7,000 Btu

°CDB		Indoor temperature									
		16		18		20		22		24	
		TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-15	-16	2.13	0.92	2.08	0.93	2.03	0.95	1.98	0.97	1.93	0.99
-10	-11	2.50	0.98	2.44	1.00	2.38	1.02	2.32	1.04	2.26	1.06
-5	-7	2.65	0.94	2.59	0.96	2.52	0.98	2.46	1.00	2.40	1.02
0	-2	2.88	0.91	2.81	0.93	2.74	0.94	2.67	0.96	2.61	0.98
5	3	3.23	0.83	3.15	0.85	3.08	0.86	3.00	0.88	2.92	0.90
7	6	3.47	0.85	3.38	0.87	3.30	0.89	3.22	0.91	3.14	0.93
10	8	3.62	0.87	3.53	0.89	3.45	0.91	3.36	0.92	3.28	0.94
15	10	3.76	0.88	3.67	0.89	3.58	0.91	3.49	0.93	3.40	0.95
20	15	3.99	0.87	3.89	0.89	3.80	0.91	3.70	0.93	3.61	0.95

#### ● Indoor units: 9,000 Btu

°CDB		Indoor temperature									
		16		18		20		22		24	
		TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-15	-16	2.56	1.24	2.50	1.27	2.44	1.29	2.38	1.32	2.32	1.34
-10	-11	2.94	1.34	2.87	1.37	2.80	1.40	2.73	1.43	2.66	1.46
-5	-7	3.17	1.33	3.09	1.36	3.02	1.38	2.94	1.41	2.87	1.44
0	-2	3.85	1.30	3.76	1.33	3.66	1.36	3.57	1.38	3.48	1.41
5	3	4.14	1.26	4.05	1.29	3.95	1.32	3.85	1.34	3.75	1.37
7	6	4.41	1.32	4.31	1.34	4.20	1.37	4.10	1.40	3.99	1.42
10	8	4.59	1.35	4.48	1.38	4.37	1.41	4.27	1.44	4.16	1.47
15	10	4.76	1.37	4.64	1.40	4.53	1.43	4.42	1.46	4.30	1.49
20	15	5.05	1.43	4.93	1.46	4.81	1.49	4.69	1.52	4.57	1.55

#### ● Indoor units: 12,000 Btu

°CDB		Indoor temperature									
		16		18		20		22		24	
		TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-15	-16	2.88	1.57	2.81	1.60	2.75	1.63	2.68	1.66	2.61	1.70
-10	-11	3.29	1.71	3.21	1.74	3.14	1.78	3.06	1.81	2.98	1.85
-5	-7	3.62	1.83	3.54	1.87	3.45	1.91	3.36	1.95	3.28	1.99
0	-2	4.46	1.58	4.35	1.61	4.25	1.65	4.14	1.68	4.03	1.71
5	3	4.72	1.47	4.61	1.50	4.50	1.53	4.38	1.56	4.27	1.59
7	6	5.04	1.53	4.92	1.56	4.80	1.59	4.68	1.62	4.56	1.65
10	8	5.25	1.57	5.13	1.60	5.00	1.63	4.88	1.66	4.75	1.70
15	10	5.44	1.59	5.31	1.63	5.18	1.66	5.05	1.69	4.92	1.73
20	15	5.92	1.66	5.78	1.70	5.63	1.73	5.49	1.76	5.35	1.80

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

°CDB		Indoor temperature									
		16		18		20		22		24	
		TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-15	-16	3.08	1.34	3.01	1.37	2.94	1.40	2.86	1.42	2.79	1.45
-10	-11	3.57	1.44	3.49	1.47	3.40	1.49	3.32	1.52	3.23	1.55
-5	-7	3.99	1.52	3.90	1.55	3.80	1.58	3.71	1.62	3.61	1.65
0	-2	4.57	1.64	4.46	1.67	4.35	1.71	4.24	1.74	4.14	1.78
5	3	5.24	1.64	5.12	1.67	4.99	1.71	4.87	1.74	4.74	1.77
7	6	5.67	1.71	5.54	1.74	5.40	1.78	5.27	1.82	5.13	1.85
10	8	5.92	1.74	5.78	1.78	5.63	1.81	5.49	1.85	5.35	1.88
15	10	6.59	1.73	6.43	1.76	6.27	1.80	6.11	1.83	5.96	1.87
20	15	6.86	1.53	6.70	1.56	6.54	1.60	6.37	1.63	6.21	1.66

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

		Indoor temperature										
°CDB		16		18		20		22		24		
Outdoor temperature	°CDB	°CWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
	-15	-16	3.08	1.34	3.01	1.37	2.94	1.40	2.86	1.42	2.79	1.45
	-10	-11	3.57	1.44	3.49	1.47	3.40	1.49	3.32	1.52	3.23	1.55
	-5	-7	3.99	1.52	3.90	1.55	3.80	1.58	3.71	1.62	3.61	1.65
	0	-2	4.57	1.64	4.46	1.67	4.35	1.71	4.24	1.74	4.14	1.78
	5	3	5.24	1.64	5.12	1.67	4.99	1.71	4.87	1.74	4.74	1.77
	7	6	5.67	1.71	5.54	1.74	5.40	1.78	5.27	1.82	5.13	1.85
	10	8	5.92	1.74	5.78	1.78	5.63	1.81	5.49	1.85	5.35	1.88
	15	10	6.59	1.73	6.43	1.76	6.27	1.80	6.11	1.83	5.96	1.87
20	15	6.86	1.53	6.70	1.56	6.54	1.60	6.37	1.63	6.21	1.66	

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

		Indoor temperature										
°CDB		16		18		20		22		24		
Outdoor temperature	°CDB	°CWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
	-15	-16	3.14	1.33	3.07	1.36	2.99	1.39	2.92	1.42	2.84	1.44
	-10	-11	3.65	1.43	3.57	1.46	3.48	1.49	3.39	1.52	3.30	1.55
	-5	-7	4.07	1.51	3.97	1.54	3.88	1.57	3.78	1.60	3.68	1.63
	0	-2	4.65	1.62	4.54	1.66	4.43	1.69	4.32	1.73	4.21	1.76
	5	3	5.34	1.62	5.21	1.66	5.09	1.69	4.96	1.72	4.83	1.76
	7	6	5.78	1.69	5.64	1.72	5.50	1.76	5.36	1.80	5.23	1.83
	10	8	6.03	1.72	5.88	1.75	5.74	1.79	5.60	1.83	5.45	1.86
	15	10	6.78	1.67	6.62	1.71	6.46	1.74	6.30	1.78	6.14	1.81
20	15	7.10	1.49	6.93	1.52	6.76	1.55	6.59	1.59	6.42	1.62	

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

		Indoor temperature										
°CDB		16		18		20		22		24		
Outdoor temperature	°CDB	°CWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
	-15	-16	3.08	1.34	3.01	1.37	2.94	1.40	2.86	1.42	2.79	1.45
	-10	-11	3.57	1.44	3.49	1.47	3.40	1.49	3.32	1.52	3.23	1.55
	-5	-7	3.99	1.52	3.90	1.55	3.80	1.58	3.71	1.62	3.61	1.65
	0	-2	4.57	1.64	4.46	1.67	4.35	1.71	4.24	1.74	4.14	1.78
	5	3	5.24	1.64	5.12	1.67	4.99	1.71	4.87	1.74	4.74	1.77
	7	6	5.67	1.71	5.54	1.74	5.40	1.78	5.27	1.82	5.13	1.85
	10	8	5.92	1.74	5.78	1.78	5.63	1.81	5.49	1.85	5.35	1.88
	15	10	6.59	1.73	6.43	1.76	6.27	1.80	6.11	1.83	5.96	1.87
20	15	6.86	1.53	6.70	1.56	6.54	1.60	6.37	1.63	6.21	1.66	

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

		Indoor temperature										
°CDB		16		18		20		22		24		
Outdoor temperature	°CDB	°CWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
	-15	-16	3.14	1.33	3.07	1.36	2.99	1.39	2.92	1.42	2.84	1.44
	-10	-11	3.65	1.43	3.57	1.46	3.48	1.49	3.39	1.52	3.30	1.55
	-5	-7	4.07	1.51	3.97	1.54	3.88	1.57	3.78	1.60	3.68	1.63
	0	-2	4.65	1.62	4.54	1.66	4.43	1.69	4.32	1.73	4.21	1.76
	5	3	5.34	1.62	5.21	1.66	5.09	1.69	4.96	1.72	4.83	1.76
	7	6	5.78	1.69	5.64	1.72	5.50	1.76	5.36	1.80	5.23	1.83
	10	8	6.03	1.72	5.88	1.75	5.74	1.79	5.60	1.83	5.45	1.86
	15	10	6.78	1.67	6.62	1.71	6.46	1.74	6.30	1.78	6.14	1.81
20	15	7.10	1.49	6.93	1.52	6.76	1.55	6.59	1.59	6.42	1.62	

## ■ Model: AOYG18LAC2

- TC: Total Capacity, IP: Input Power
- 2 or more indoor units should be connected.

### ● Indoor units: 7,000 Btu

		Indoor temperature										
°CDB		16		18		20		22		24		
Outdoor temperature	°CDB	°CWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
	-15	-16	2.15	1.03	2.10	1.06	2.05	1.08	2.00	1.10	1.95	1.12
	-10	-11	2.51	1.11	2.45	1.13	2.39	1.15	2.33	1.17	2.27	1.20
	-5	-7	2.77	1.09	2.70	1.11	2.64	1.13	2.57	1.16	2.51	1.18
	0	-2	3.00	1.05	2.93	1.07	2.85	1.09	2.78	1.11	2.71	1.13
	5	3	3.22	1.00	3.15	1.02	3.07	1.04	2.99	1.06	2.92	1.08
	7	6	3.47	1.03	3.38	1.05	3.30	1.07	3.22	1.09	3.14	1.11
	10	8	3.70	1.03	3.61	1.06	3.52	1.08	3.44	1.10	3.35	1.12
	15	10	3.99	1.06	3.90	1.08	3.80	1.10	3.71	1.12	3.61	1.15
20	15	4.23	1.09	4.13	1.11	4.03	1.13	3.93	1.15	3.83	1.18	

### ● Indoor units: 9,000 Btu

		Indoor temperature										
°CDB		16		18		20		22		24		
Outdoor temperature	°CDB	°CWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
	-15	-16	2.71	1.34	2.65	1.37	2.58	1.40	2.52	1.43	2.45	1.46
	-10	-11	3.20	1.46	3.12	1.49	3.04	1.52	2.97	1.56	2.89	1.59
	-5	-7	3.43	1.43	3.35	1.46	3.27	1.49	3.18	1.52	3.10	1.55
	0	-2	3.75	1.41	3.66	1.44	3.58	1.47	3.49	1.50	3.40	1.53
	5	3	4.13	1.36	4.03	1.39	3.93	1.42	3.83	1.44	3.74	1.47
	7	6	4.41	1.41	4.31	1.44	4.20	1.47	4.10	1.50	3.99	1.53
	10	8	4.59	1.45	4.48	1.48	4.37	1.51	4.26	1.54	4.15	1.57
	15	10	5.05	1.52	4.93	1.55	4.81	1.58	4.69	1.61	4.57	1.64
20	15	5.34	1.57	5.21	1.60	5.08	1.64	4.96	1.67	4.83	1.70	

### ● Indoor units: 12,000 Btu

		Indoor temperature										
°CDB		16		18		20		22		24		
Outdoor temperature	°CDB	°CWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
	-15	-16	3.10	1.62	3.03	1.66	2.95	1.69	2.88	1.73	2.81	1.76
	-10	-11	3.70	1.78	3.61	1.82	3.52	1.85	3.43	1.89	3.34	1.93
	-5	-7	3.97	1.75	3.87	1.79	3.78	1.83	3.68	1.86	3.59	1.90
	0	-2	4.37	1.70	4.27	1.74	4.16	1.77	4.06	1.81	3.95	1.84
	5	3	4.70	1.57	4.58	1.60	4.47	1.63	4.36	1.67	4.25	1.70
	7	6	5.04	1.63	4.92	1.66	4.80	1.70	4.68	1.73	4.56	1.76
	10	8	5.27	1.67	5.14	1.70	5.02	1.74	4.89	1.77	4.76	1.80
	15	10	5.81	1.74	5.67	1.78	5.53	1.81	5.39	1.85	5.25	1.89
20	15	6.14	1.80	5.99	1.84	5.85	1.87	5.70	1.91	5.55	1.95	

### ● Indoor units: 14,000 Btu

		Indoor temperature										
°CDB		16		18		20		22		24		
Outdoor temperature	°CDB	°CWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
	-15	-16	3.59	1.84	3.50	1.88	3.42	1.92	3.33	1.96	3.25	1.99
	-10	-11	4.28	2.02	4.18	2.06	4.08	2.10	3.98	2.14	3.88	2.18
	-5	-7	4.60	1.99	4.49	2.04	4.38	2.08	4.27	2.12	4.16	2.16
	0	-2	5.12	1.95	5.00	1.99	4.87	2.03	4.75	2.07	4.63	2.11
	5	3	5.57	1.81	5.44	1.85	5.31	1.89	5.18	1.93	5.04	1.96
	7	6	6.09	1.90	5.95	1.94	5.80	1.98	5.66	2.02	5.51	2.06
	10	8	6.37	1.95	6.22	1.99	6.07	2.03	5.91	2.07	5.76	2.11
	15	10	6.69	1.94	6.53	1.98	6.37	2.02	6.21	2.06	6.05	2.10
20	15	7.01	1.93	6.84	1.97	6.67	2.01	6.51	2.05	6.34	2.09	

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

			Indoor temperature									
°CDB			16		18		20		22		24	
Outdoor temperature	°CDB	°CWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
	-15	-16	3.58	1.65	3.50	1.69	3.41	1.72	3.33	1.75	3.24	1.79
-10	-11	4.20	1.72	4.10	1.76	4.00	1.79	3.90	1.83	3.80	1.86	
-5	-7	4.55	1.69	4.44	1.72	4.34	1.76	4.23	1.80	4.12	1.83	
0	-2	4.98	1.62	4.86	1.65	4.75	1.68	4.63	1.72	4.51	1.75	
5	3	5.40	1.50	5.27	1.53	5.14	1.57	5.01	1.60	4.88	1.63	
7	6	6.31	1.55	6.16	1.58	6.00	1.61	5.85	1.64	5.70	1.67	
10	8	6.39	1.63	6.24	1.66	6.08	1.69	5.93	1.73	5.78	1.76	
15	10	6.95	1.67	6.78	1.70	6.62	1.74	6.45	1.77	6.29	1.81	
20	15	7.39	1.71	7.22	1.74	7.04	1.78	6.87	1.82	6.69	1.85	

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

			Indoor temperature									
°CDB			16		18		20		22		24	
Outdoor temperature	°CDB	°CWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
	-15	-16	3.59	1.83	3.50	1.87	3.42	1.91	3.33	1.95	3.24	1.98
-10	-11	4.48	1.93	4.37	1.97	4.26	2.01	4.16	2.05	4.05	2.09	
-5	-7	4.87	1.91	4.75	1.95	4.64	1.99	4.52	2.03	4.40	2.06	
0	-2	5.35	1.84	5.22	1.88	5.09	1.92	4.97	1.96	4.84	2.00	
5	3	5.84	1.74	5.70	1.77	5.56	1.81	5.42	1.84	5.28	1.88	
7	6	6.30	1.80	6.15	1.83	6.00	1.87	5.85	1.91	5.70	1.94	
10	8	6.61	1.83	6.45	1.87	6.30	1.91	6.14	1.95	5.98	1.99	
15	10	6.97	1.86	6.81	1.90	6.64	1.94	6.48	1.98	6.31	2.02	
20	15	7.48	1.85	7.31	1.88	7.13	1.92	6.95	1.96	6.77	2.00	

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

			Indoor temperature									
°CDB			16		18		20		22		24	
Outdoor temperature	°CDB	°CWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
	-15	-16	3.63	2.04	3.55	2.08	3.46	2.12	3.37	2.17	3.29	2.21
-10	-11	4.57	2.03	4.46	2.07	4.35	2.11	4.24	2.15	4.13	2.20	
-5	-7	5.01	2.03	4.89	2.08	4.77	2.12	4.65	2.16	4.53	2.20	
0	-2	5.42	1.89	5.29	1.93	5.16	1.97	5.03	2.01	4.90	2.05	
5	3	5.99	1.70	5.84	1.74	5.70	1.77	5.56	1.81	5.42	1.85	
7	6	6.41	1.80	6.25	1.84	6.10	1.88	5.95	1.92	5.80	1.96	
10	8	6.74	1.84	6.58	1.88	6.42	1.92	6.26	1.96	6.10	2.00	
15	10	7.06	1.76	6.89	1.79	6.73	1.83	6.56	1.87	6.39	1.90	
20	15	7.66	1.76	7.48	1.80	7.30	1.84	7.12	1.87	6.93	1.91	

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

			Indoor temperature									
°CDB			16		18		20		22		24	
Outdoor temperature	°CDB	°CWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
	-15	-16	3.93	2.07	3.83	2.12	3.74	2.16	3.65	2.20	3.55	2.25
-10	-11	4.86	2.07	4.75	2.11	4.63	2.16	4.52	2.20	4.40	2.24	
-5	-7	5.37	2.07	5.25	2.12	5.12	2.16	4.99	2.20	4.86	2.25	
0	-2	5.82	1.93	5.68	1.97	5.54	2.01	5.41	2.05	5.27	2.09	
5	3	6.06	1.73	5.91	1.77	5.77	1.80	5.62	1.84	5.48	1.88	
7	6	6.51	1.79	6.36	1.82	6.20	1.86	6.05	1.90	5.89	1.93	
10	8	6.81	1.82	6.65	1.86	6.49	1.90	6.32	1.93	6.16	1.97	
15	10	7.63	1.81	7.45	1.85	7.27	1.88	7.09	1.92	6.91	1.96	
20	15	8.06	1.82	7.87	1.86	7.68	1.90	7.49	1.94	7.30	1.98	

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

			Indoor temperature									
°CDB			16		18		20		22		24	
Outdoor temperature	°CDB	°CWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
	-15	-16	3.60	1.83	3.51	1.87	3.43	1.91	3.34	1.95	3.26	1.99
-10	-11	4.48	1.92	4.37	1.96	4.27	2.00	4.16	2.04	4.05	2.08	
-5	-7	4.88	1.90	4.76	1.94	4.64	1.98	4.53	2.02	4.41	2.06	
0	-2	5.36	1.85	5.23	1.89	5.11	1.92	4.98	1.96	4.85	2.00	
5	3	5.93	1.76	5.79	1.80	5.65	1.83	5.51	1.87	5.37	1.91	
7	6	6.41	1.82	6.25	1.86	6.10	1.90	5.95	1.94	5.80	1.98	
10	8	6.73	1.87	6.57	1.91	6.41	1.95	6.25	1.98	6.09	2.02	
15	10	6.96	1.75	6.79	1.79	6.63	1.83	6.46	1.86	6.30	1.90	
20	15	7.51	1.74	7.33	1.78	7.15	1.81	6.97	1.85	6.79	1.89	

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

			Indoor temperature									
°CDB			16		18		20		22		24	
Outdoor temperature	°CDB	°CWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
	-15	-16	3.92	2.04	3.83	2.08	3.74	2.12	3.64	2.17	3.55	2.21
	-10	-11	4.93	2.03	4.81	2.07	4.70	2.11	4.58	2.15	4.46	2.20
	-5	-7	5.41	2.03	5.28	2.08	5.15	2.12	5.02	2.16	4.89	2.20
	0	-2	5.85	1.89	5.71	1.93	5.58	1.97	5.44	2.01	5.30	2.05
	5	3	6.10	1.70	5.95	1.74	5.81	1.77	5.66	1.81	5.52	1.85
	7	6	6.51	1.80	6.35	1.84	6.20	1.88	6.04	1.92	5.89	1.96
	10	8	7.28	1.84	7.11	1.88	6.94	1.92	6.76	1.96	6.59	2.00
	15	10	7.63	1.76	7.45	1.79	7.26	1.83	7.08	1.87	6.90	1.90
20	15	8.09	1.76	7.90	1.80	7.71	1.84	7.52	1.87	7.32	1.91	

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

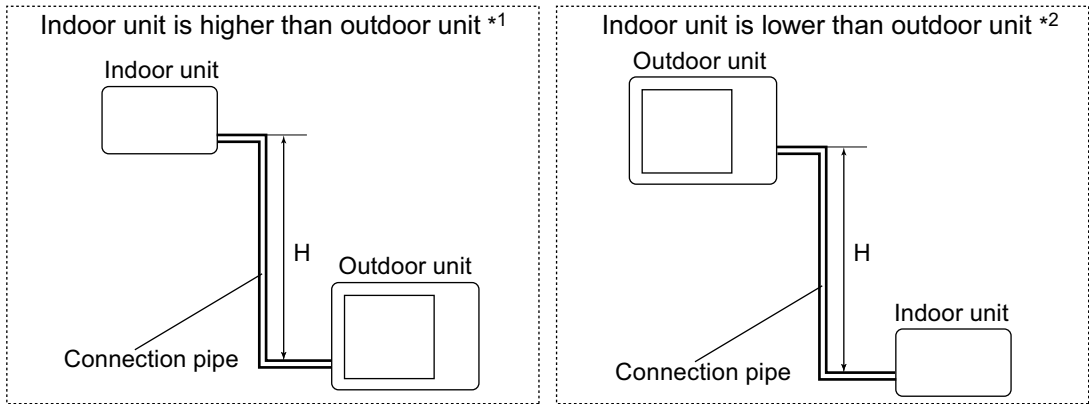
			Indoor temperature									
°CDB			16		18		20		22		24	
Outdoor temperature	°CDB	°CWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
	-15	-16	3.99	2.07	3.90	2.12	3.80	2.16	3.71	2.20	3.61	2.25
	-10	-11	4.94	2.07	4.83	2.11	4.71	2.16	4.59	2.20	4.47	2.24
	-5	-7	5.46	2.07	5.33	2.12	5.20	2.16	5.07	2.20	4.94	2.25
	0	-2	5.92	1.93	5.78	1.97	5.63	2.01	5.49	2.05	5.35	2.09
	5	3	6.12	1.73	5.97	1.77	5.83	1.80	5.68	1.84	5.54	1.88
	7	6	6.62	1.79	6.46	1.82	6.30	1.86	6.14	1.90	5.99	1.93
	10	8	6.92	1.82	6.76	1.86	6.59	1.90	6.43	1.93	6.26	1.97
	15	10	7.76	1.81	7.57	1.85	7.39	1.88	7.20	1.92	7.02	1.96
20	15	8.19	1.82	8.00	1.86	7.80	1.90	7.61	1.94	7.41	1.98	

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

			Indoor temperature									
°CDB			16		18		20		22		24	
Outdoor temperature	°CDB	°CWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
	-15	-16	4.02	2.09	3.92	2.14	3.83	2.18	3.73	2.22	3.64	2.27
	-10	-11	5.04	2.09	4.92	2.14	4.80	2.18	4.68	2.22	4.56	2.27
	-5	-7	5.49	2.07	5.36	2.11	5.23	2.16	5.10	2.20	4.97	2.24
	0	-2	5.94	1.92	5.80	1.96	5.66	2.00	5.52	2.04	5.38	2.08
	5	3	6.14	1.72	5.99	1.75	5.85	1.79	5.70	1.82	5.55	1.86
	7	6	6.62	1.77	6.46	1.80	6.30	1.84	6.14	1.88	5.99	1.91
	10	8	6.93	1.80	6.77	1.83	6.60	1.87	6.44	1.91	6.27	1.95
	15	10	7.85	1.80	7.67	1.83	7.48	1.87	7.29	1.91	7.10	1.95
20	15	8.37	1.81	8.17	1.85	7.97	1.88	7.77	1.92	7.57	1.96	

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

Height difference H



## 7-1. Model: AOYG14LAC2

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

### ■ Indoor unit: 7,000 Btu

Cooling		Pipe length					
		m	3	7.5	10	15	20
Height difference H (m)	Indoor unit is higher than outdoor unit *1	15	—	—	—	0.936	0.908
		10	—	—	0.969	0.943	0.915
		7.5	—	0.988	0.973	0.947	0.919
		3	0.992	0.992	0.977	0.951	0.922
		0	1.000	1.000	0.985	0.959	0.930
	Indoor unit is lower than outdoor unit *2	-3	1.000	1.000	0.985	0.959	0.930
		-7.5	—	1.000	0.985	0.959	0.930
		-10	—	—	0.985	0.959	0.930
		-15	—	—	—	0.959	0.930

Heating		Pipe length					
		m	3	7.5	10	15	20
Height difference H (m)	Indoor unit is higher than outdoor unit *1	15	—	—	—	0.937	0.915
		10	—	—	0.956	0.937	0.915
		7.5	—	1.000	0.956	0.937	0.915
		3	0.990	1.000	0.956	0.937	0.915
		0	0.990	1.000	0.956	0.937	0.915
	Indoor unit is lower than outdoor unit *2	-3	0.985	0.995	0.951	0.932	0.910
		-7.5	—	0.993	0.949	0.930	0.909
		-10	—	—	0.946	0.928	0.906
		-15	—	—	—	0.923	0.901



## ■ Indoor unit: 9,000 Btu

Cooling		Pipe length					
		m	3	7.5	10	15	20
Height difference H (m)	Indoor unit is higher than outdoor unit *1	15	—	—	—	0.924	0.891
		10	—	—	0.962	0.931	0.899
		7.5	—	0.988	0.966	0.935	0.902
		3	0.992	0.992	0.969	0.939	0.906
	Indoor unit is lower than outdoor unit *2	0	1.000	1.000	0.977	0.946	0.913
		-3	1.000	1.000	0.977	0.946	0.913
		-7.5	—	1.000	0.977	0.946	0.913
		-10	—	—	0.977	0.946	0.913
		-15	—	—	—	0.946	0.913

Heating		Pipe length					
		m	3	7.5	10	15	20
Height difference H (m)	Indoor unit is higher than outdoor unit *1	15	—	—	—	0.937	0.914
		10	—	—	0.956	0.937	0.914
		7.5	—	1.000	0.956	0.937	0.914
		3	0.990	1.000	0.956	0.937	0.914
	Indoor unit is lower than outdoor unit *2	0	0.990	1.000	0.956	0.937	0.914
		-3	0.985	0.995	0.951	0.932	0.909
		-7.5	—	0.993	0.949	0.930	0.908
		-10	—	—	0.946	0.927	0.905
		-15	—	—	—	0.923	0.900

## ■ Indoor unit: 12,000 Btu

Cooling		Pipe length					
		m	3	7.5	10	15	20
Height difference H (m)	Indoor unit is higher than outdoor unit *1	15	—	—	—	0.914	0.877
		10	—	—	0.959	0.921	0.884
		7.5	—	0.988	0.962	0.925	0.888
		3	0.992	0.992	0.966	0.929	0.891
	Indoor unit is lower than outdoor unit *2	0	1.000	1.000	0.974	0.936	0.899
		-3	1.000	1.000	0.974	0.936	0.899
		-7.5	—	1.000	0.974	0.936	0.899
		-10	—	—	0.974	0.936	0.899
		-15	—	—	—	0.936	0.899

Heating		Pipe length					
		m	3	7.5	10	15	20
Height difference H (m)	Indoor unit is higher than outdoor unit *1	15	—	—	—	0.936	0.914
		10	—	—	0.955	0.936	0.914
		7.5	—	1.000	0.955	0.936	0.914
		3	0.992	1.000	0.955	0.936	0.914
	Indoor unit is lower than outdoor unit *2	0	0.992	1.000	0.955	0.936	0.914
		-3	0.987	0.995	0.950	0.931	0.909
		-7.5	—	0.993	0.948	0.929	0.908
		-10	—	—	0.945	0.927	0.905
		-15	—	—	—	0.922	0.900

## 7-2. Model: AOYG18LAC2

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

### ■ Indoor unit: 7,000 Btu

Cooling		Pipe length					
		m	3	7.5	10	15	20
Height difference H (m)	Indoor unit is higher than outdoor unit *1	15	—	—	—	0.940	0.914
		10	—	—	0.973	0.948	0.921
		7.5	—	0.988	0.977	0.952	0.925
		3	0.992	0.992	0.981	0.956	0.929
		0	1.000	1.000	0.989	0.963	0.936
Indoor unit is lower than outdoor unit *2	-3	1.000	1.000	0.989	0.963	0.936	
	-7.5	—	1.000	0.989	0.963	0.936	
	-10	—	—	0.989	0.963	0.936	
	-15	—	—	—	0.963	0.936	

Heating		Pipe length					
		m	3	7.5	10	15	20
Height difference H (m)	Indoor unit is higher than outdoor unit *1	15	—	—	—	0.942	0.925
		10	—	—	0.959	0.942	0.925
		7.5	—	1.000	0.959	0.942	0.925
		3	0.990	1.000	0.959	0.942	0.925
		0	0.990	1.000	0.959	0.942	0.925
Indoor unit is lower than outdoor unit *2	-3	0.985	0.995	0.954	0.937	0.920	
	-7.5	—	0.993	0.952	0.935	0.919	
	-10	—	—	0.949	0.933	0.916	
	-15	—	—	—	0.928	0.911	

### ■ Indoor unit: 9,000 Btu

Cooling		Pipe length					
		m	3	7.5	10	15	20
Height difference H (m)	Indoor unit is higher than outdoor unit *1	15	—	—	—	0.928	0.898
		10	—	—	0.966	0.936	0.905
		7.5	—	0.988	0.969	0.940	0.909
		3	0.992	0.992	0.973	0.943	0.912
		0	1.000	1.000	0.981	0.951	0.920
Indoor unit is lower than outdoor unit *2	-3	1.000	1.000	0.981	0.951	0.920	
	-7.5	—	1.000	0.981	0.951	0.920	
	-10	—	—	0.981	0.951	0.920	
	-15	—	—	—	0.951	0.920	

Heating		Pipe length					
		m	3	7.5	10	15	20
Height difference H (m)	Indoor unit is higher than outdoor unit *1	15	—	—	—	0.942	0.924
		10	—	—	0.959	0.942	0.924
		7.5	—	1.000	0.959	0.942	0.924
		3	0.990	1.000	0.959	0.942	0.924
		0	0.990	1.000	0.959	0.942	0.924
Indoor unit is lower than outdoor unit *2	-3	0.985	0.995	0.954	0.937	0.919	
	-7.5	—	0.993	0.952	0.935	0.918	
	-10	—	—	0.949	0.932	0.915	
	-15	—	—	—	0.928	0.910	

## ■ Indoor unit: 12,000 Btu

Cooling		Pipe length					
		m	3	7.5	10	15	20
Height difference H (m)	Indoor unit is higher than outdoor unit *1	15	—	—	—	0.919	0.883
		10	—	—	0.962	0.926	0.891
		7.5	—	0.988	0.966	0.930	0.894
		3	0.992	0.992	0.970	0.934	0.898
	0	1.000	1.000	0.978	0.941	0.905	
Indoor unit is lower than outdoor unit *2	-3	1.000	1.000	0.978	0.941	0.905	
	-7.5	—	1.000	0.978	0.941	0.905	
	-10	—	—	0.978	0.941	0.905	
	-15	—	—	—	0.941	0.905	

Heating		Pipe length					
		m	3	7.5	10	15	20
Height difference H (m)	Indoor unit is higher than outdoor unit *1	15	—	—	—	0.941	0.924
		10	—	—	0.958	0.941	0.924
		7.5	—	1.000	0.958	0.941	0.924
		3	0.992	1.000	0.958	0.941	0.924
	0	0.992	1.000	0.958	0.941	0.924	
Indoor unit is lower than outdoor unit *2	-3	0.987	0.995	0.953	0.936	0.919	
	-7.5	—	0.993	0.951	0.934	0.918	
	-10	—	—	0.948	0.932	0.915	
	-15	—	—	—	0.927	0.910	

## ■ Indoor unit: 14,000 Btu

Cooling		Pipe length					
		m	3	7.5	10	15	20
Height difference H (m)	Indoor unit is higher than outdoor unit *1	15	—	—	—	0.947	0.927
		10	—	—	0.974	0.955	0.935
		7.5	—	0.988	0.978	0.959	0.939
		3	0.992	0.992	0.982	0.963	0.942
	0	1.000	1.000	0.990	0.971	0.950	
Indoor unit is lower than outdoor unit *2	-3	1.000	1.000	0.990	0.971	0.950	
	-7.5	—	1.000	0.990	0.971	0.950	
	-10	—	—	0.990	0.971	0.950	
	-15	—	—	—	0.971	0.950	

Heating		Pipe length					
		m	3	7.5	10	15	20
Height difference H (m)	Indoor unit is higher than outdoor unit *1	15	—	—	—	0.938	0.920
		10	—	—	0.957	0.938	0.920
		7.5	—	1.000	0.957	0.938	0.920
		3	0.996	1.000	0.957	0.938	0.920
	0	0.996	1.000	0.957	0.938	0.920	
Indoor unit is lower than outdoor unit *2	-3	0.991	0.995	0.952	0.933	0.915	
	-7.5	—	0.993	0.950	0.931	0.914	
	-10	—	—	0.947	0.929	0.911	
	-15	—	—	—	0.924	0.906	

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## 8. Additional charge calculation

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### 8-1. Model: AOYG14LAC2

Refrigerant type		R410A
Refrigerant amount	g	1,250

#### ■ Refrigerant charge

Total pipe length	m	20 or less	30 (Max.)	10 g/m
Additional charge	g	0	100	

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### 8-2. Model: AOYG18LAC2

Refrigerant type		R410A
Refrigerant amount	g	1,300

#### ■ Refrigerant charge

Total pipe length	m	20 or less	30 (Max.)	20 g/m
Additional charge	g	0	200	

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## 9. Airflow

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### 9-1. Model: AOYG14LAC2

#### ● Cooling

m <sup>3</sup> /h	1,850
l/s	514
CFM	1,089

#### ● Heating

m <sup>3</sup> /h	1,850
l/s	514
CFM	1,089

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### 9-2. Model: AOYG18LAC2

#### ● Cooling

m <sup>3</sup> /h	2,050
l/s	569
CFM	1,206

#### ● Heating

m <sup>3</sup> /h	2,050
l/s	569
CFM	1,206

# 10. Operation noise (sound pressure)

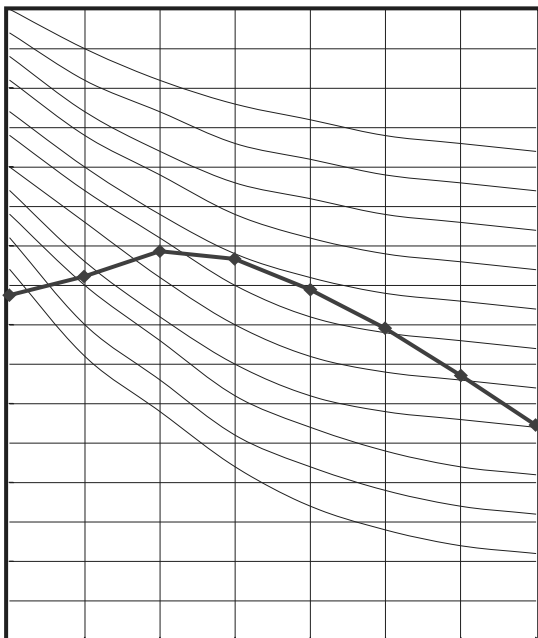
## 10-1. Noise level curve

■ Model: AOYG14LAC2

● Cooling

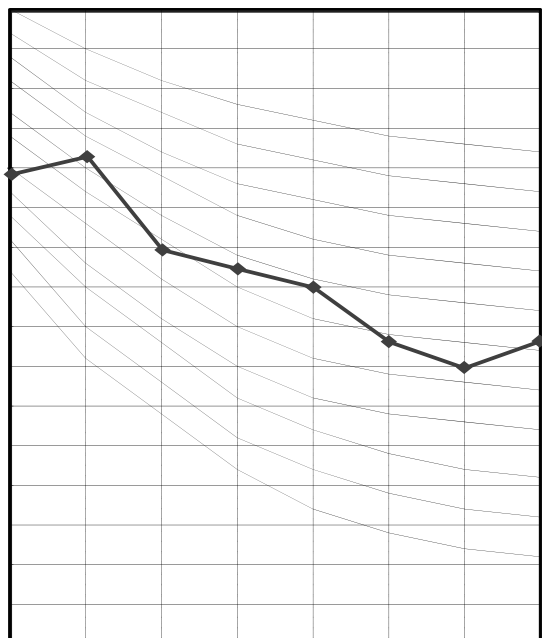


● Heating

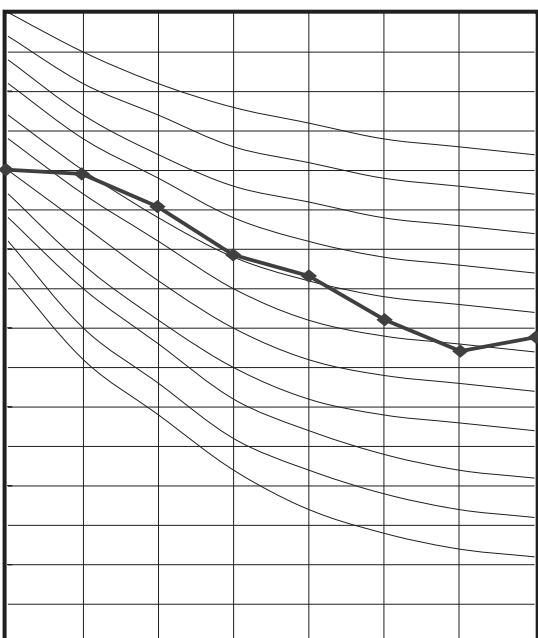


■ Model: AOYG18LAC2

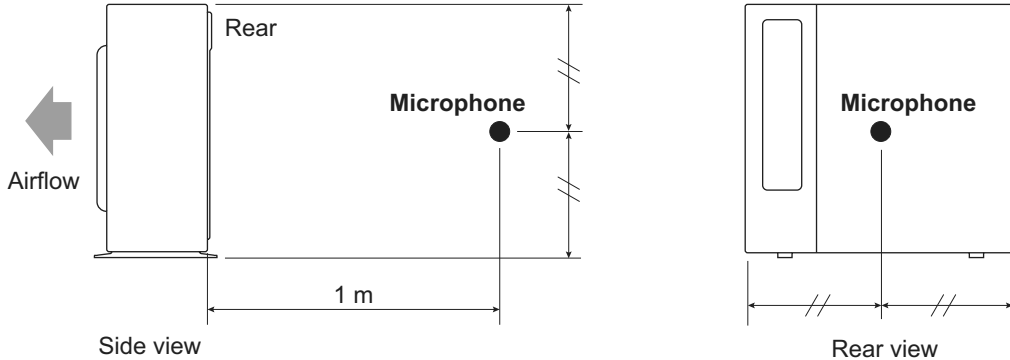
● Cooling



● Heating



## 10-2. Sound level check point



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

# 11. Electrical characteristics

Model name			AOYG14LAC2	AOYG18LAC2
Power supply	Voltage	V	230 ~	
	Frequency	Hz	50	
Maximum operating current *1		A	10.0	12.0
Starting current		A	5.1	6.9
Wiring spec. *2	Main fuse (Circuit breaker) current	A	15	
	Power cable	mm <sup>2</sup>	2.5	
	Limited wiring length *3	m	16	

\*1: Maximum current is the total current of the indoor unit and the outdoor unit.

\*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.


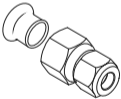
\*3: This is the wiring length in case voltage descent is less than 2%. When the wiring length becomes longer, select the wiring of a more larger diameter.



## 12. Safety devices

Type of protection	Protection form		Model		
			AOYG14LAC2	AOYG18LAC2	
Circuit protection	Current fuse (Main PCB)		250 V, 15 A 250 V, 10 A 250 V, 3.15 A		
	Current fuse (Near the terminal to indoor unit)		250 V, 20 A		
Fan motor protection	Thermal protector	Activate	100 <sup>+15</sup> <sub>-10</sub> °C Fan motor stop		
		Reset	95 <sup>+15</sup> <sub>-10</sub> °C Fan motor restart		
Compressor protection	Temperature thermistor (Discharge temp.)	Activate	110 °C Compressor stop		
		Reset	80 °C Compressor restart		
	Temperature thermistor (Compressor bottom temp.)	Activate	—	110 °C Compressor stop	
		Reset	—	80 °C Compressor restart	
Refrigerant circuit protection	Thermal protection program (Heat exchanger temp.)		67 °C		
			59 °C		

## 13. Accessories

Part name	Exterior	Q'ty	Part name	Exterior	Q'ty
Installation manual		1	Drain pipe		1
Adapter, 9.52 (3/8)→12.7 (1/2) [mm (in)] (18 model only)		1 set			

## 14. Outdoor unit installation precautions

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

### 14-1. Place where prohibited for use

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

### 14-2. Points to remember when installing

- The product shall be installed at a place which can withstand the weight and vibration of the outdoor unit.
- To allow maintenance after refrigerant piping, drain piping, and electric wiring connection and installation, provide an installation service space.  
\*Installation service space is shown in "Installation space" on page 287.
- Be careful when installing the set at the following places.

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