

# **OUTDOOR UNIT (3 ROOMS TYPE)**

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**MULTI TYPE:  
AOYG18LAT3  
AOYG24LAT3**

# 1. Specifications

Type				Inverter heat pump	
Model name				AOYG18LAT3	AOYG24LAT3
Power supply				230 V ~ 50 Hz	
Available voltage range				198—264 V	
Standard combination of indoor unit				Wall mounted ASYG07LMCA × 3	Wall mounted ASYG07LMCA × 2 ASYG09LMCA × 1
Capacity	Cooling	Rated	kW	5.4	6.8
			Btu/h	18,400	23,200
		Min.—Max.	kW	1.8—6.8	1.8—8.5
	Btu/h		6,100—23,200	6,100—29,000	
	Heating	Rated	kW	6.8	8.0
			Btu/h	23,200	27,300
Min.—Max.		kW	2.0—8.0	2.0—9.2	
	Btu/h	6,800—27,300	6,800—31,400		
Input power	Cooling	Rated	kW	1.35	1.94
				Max.	2.06
	Heating	Rated		1.62	2.00
				Max.	2.06
Current	Cooling	Rated	A	5.9	8.5
	Heating			7.1	8.8
EER	Cooling	Rated	kW/kW	4.00	3.51
COP	Heating			4.20	4.00
Starting current			A	7.1	8.8
Maximum operating current *1			A	9.0	12.5
Fan	Airflow rate	Cooling	m <sup>3</sup> /h	3,050	3,300
		Heating		2,750	3,300
	Type × Q'ty		Propeller × 1		
	Motor output		W		
Sound pressure level*2	Cooling	dB (A)	46		48
	Heating		47		49
Heat exchanger type	Dimensions (H × W × D)		mm	672 × 900 × 36.4	
	Fin pitch			1.45	
	Rows × Stages			2 × 32	
	Pipe type			Copper	
	Fin type	Type (Material)		Corrugate (Aluminum)	
		Surface treatment	Corrosion resistance (Blue fin)		
Compressor	Type × Q'ty		DC twin rotary × 1		
	Motor output		W		
Refrigerant	Type (Global warming potential)		R410A (2088)		
	Charge		g		
Refrigerant oil	Type		POE		
	Material		Steel sheet		
Enclosure	Color		Beige (Approximate color of MUNSELL 10YR 7.5/1.0 NN)		
	Dimensions (H × W × D)	Net	mm	700 × 900 × 330	
Gross		865 × 1,050 × 445			
Weight	Net	kg	55		
	Gross		64		
Connection pipe	Size	Liquid	mm	Ø 6.35 (Ø 1/4) × 3	
		Gas		Ø9.52 (Ø3/8) × 2, [Ø12.70 (Ø1/2) × 1] *3	
	Method		Flare		
	Pre-charge length (Total)		30		
	Maximum length (Total)		50		
	Maximum length (Each)		25		
	Minimum length (Total)		m	15	
	Minimum length (Each)			5	
	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:

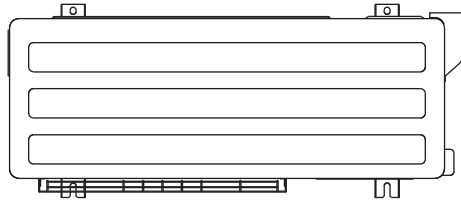
- Specifications are based on the following conditions:
  - Power source of specifications: 230 V
  - Pipe length: 5 m, Height difference: 0 m [Outdoor unit—Indoor unit]
  - Cooling: Indoor temperature of 27 °CDB/19 °CWB, and outdoor temperature of 35 °CDB/24 °CWB.
  - Heating: Indoor temperature of 20 °CDB/15 °CWB, and outdoor temperature of 7 °CDB/6 °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			AOYG18LAT3	AOYG24LAT3	
Energy efficiency class	Cooling		A++	A++	
	Heating (average)		A+	A+	
Pdesign	Cooling	kW	5.4 (35 °C)	6.8 (35 °C)	
	Heating (average)		5.0 (-10 °C)	5.2 (-10 °C)	
SEER	Cooling	kWh/kWh	6.90	6.40	
SCOP	Heating (average)		4.30	4.20	
Annual energy consumption	QCE		274	372	
	QHE (average)		1,627	1,730	
Sound power level	Cooling	High	dB (A)	65	68
	Heating			67	70

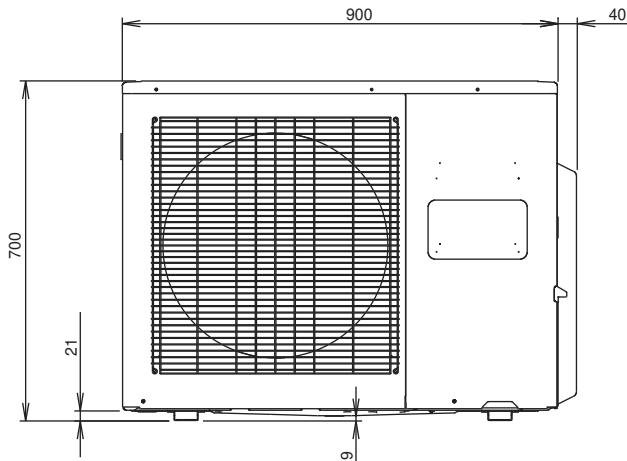
## 2. Dimensions

### 2-1. Models: AOYG18LAT3 and AOYG24LAT3

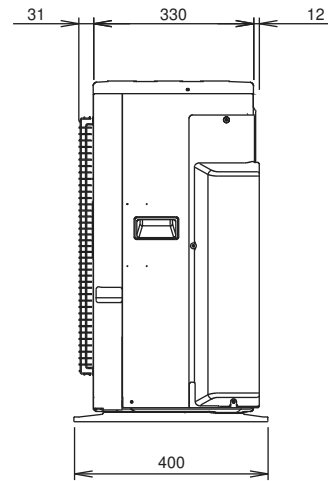
Unit: mm



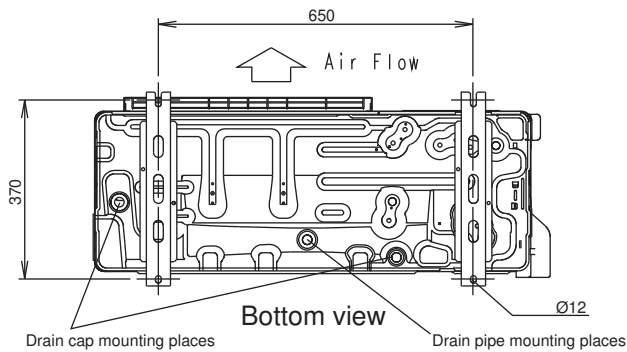
Top view



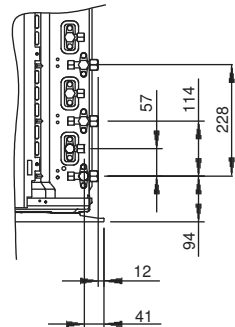
Front view



Side view



Bottom view



### 3. Installation space

#### 3-1. Models: AOYG18LAT3 and AOYG24LAT3

##### ■ Space requirement

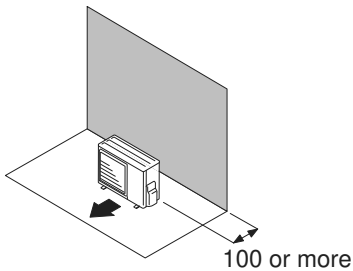
Provide sufficient installation space for product safety.

##### ● Single outdoor unit installation

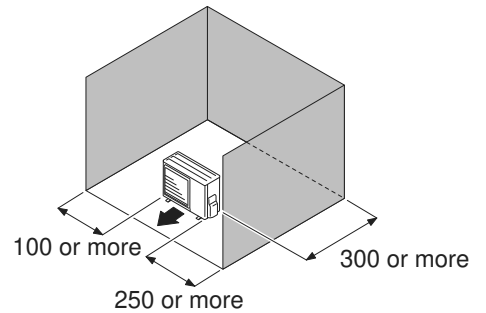
- When the upper space is open:

Unit: mm

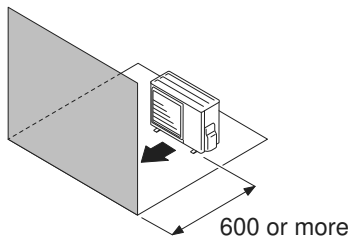
When there are obstacles at the rear only.



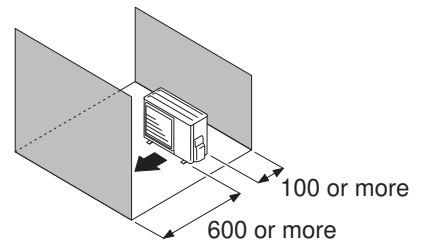
When there are obstacles at the rear and sides.



When there are obstacles at the front only.



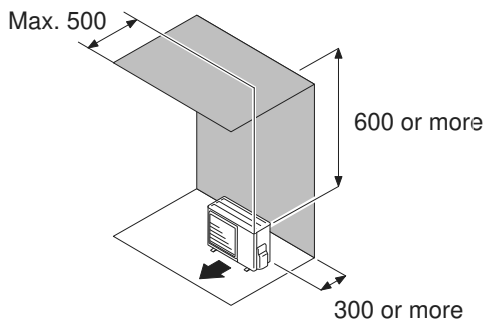
When there are obstacles at the front and rear.



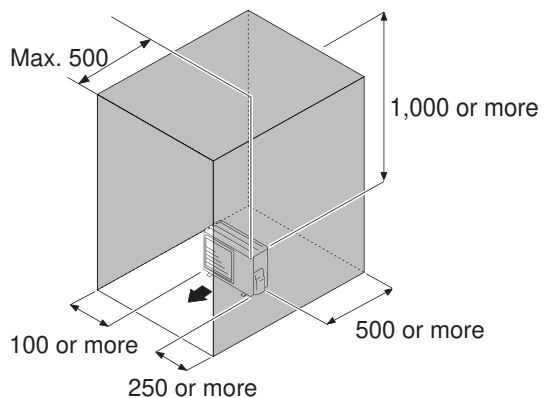
- When there is an obstruction in the upper space:

Unit: mm

When there are obstacles at the rear and above.



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

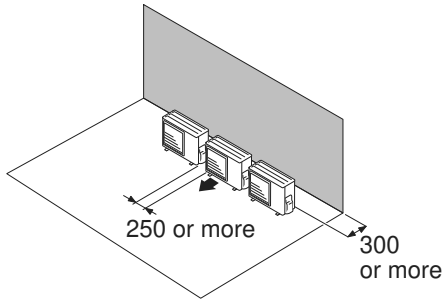


# ● Multiple outdoor unit installation

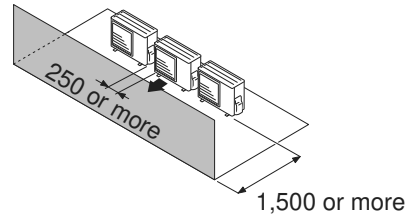
- When the upper space is open:

Unit: mm

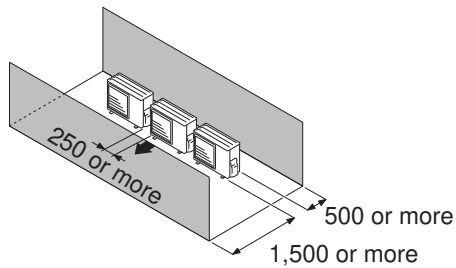
When there are obstacles at the rear only.



When there are obstacles at the front only.



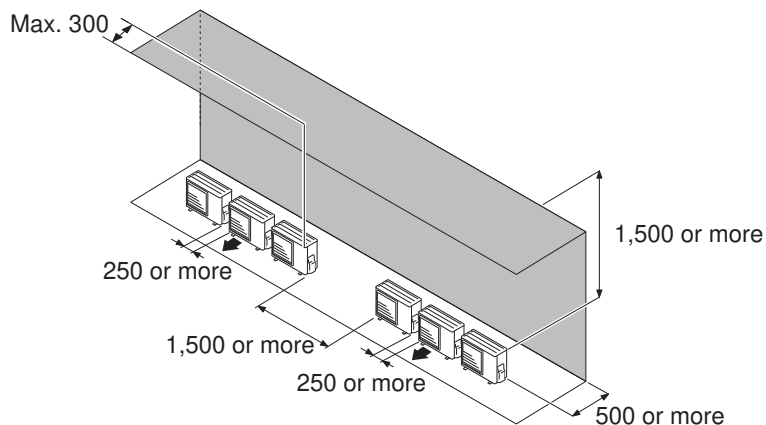
When there are obstacles at the front and rear.



- When there is an obstruction in the upper space:

Unit: mm

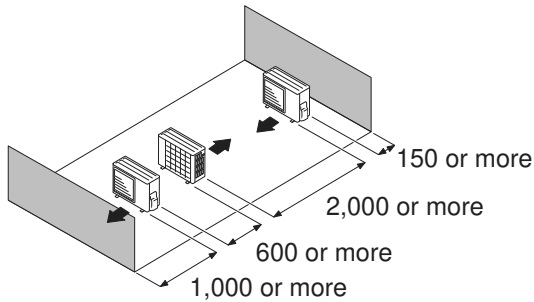
When there are obstacles at the rear and above.



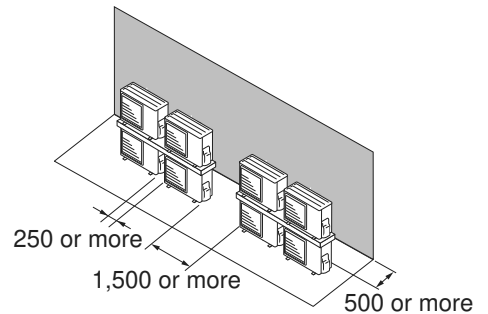
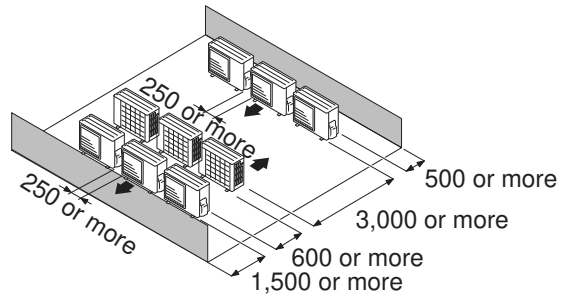
## ● Outdoor unit installation in multi-row

Unit: mm

Single parallel unit arrangement



Multiple parallel unit arrangement

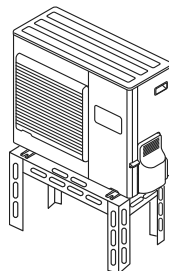


### NOTES:

- 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.

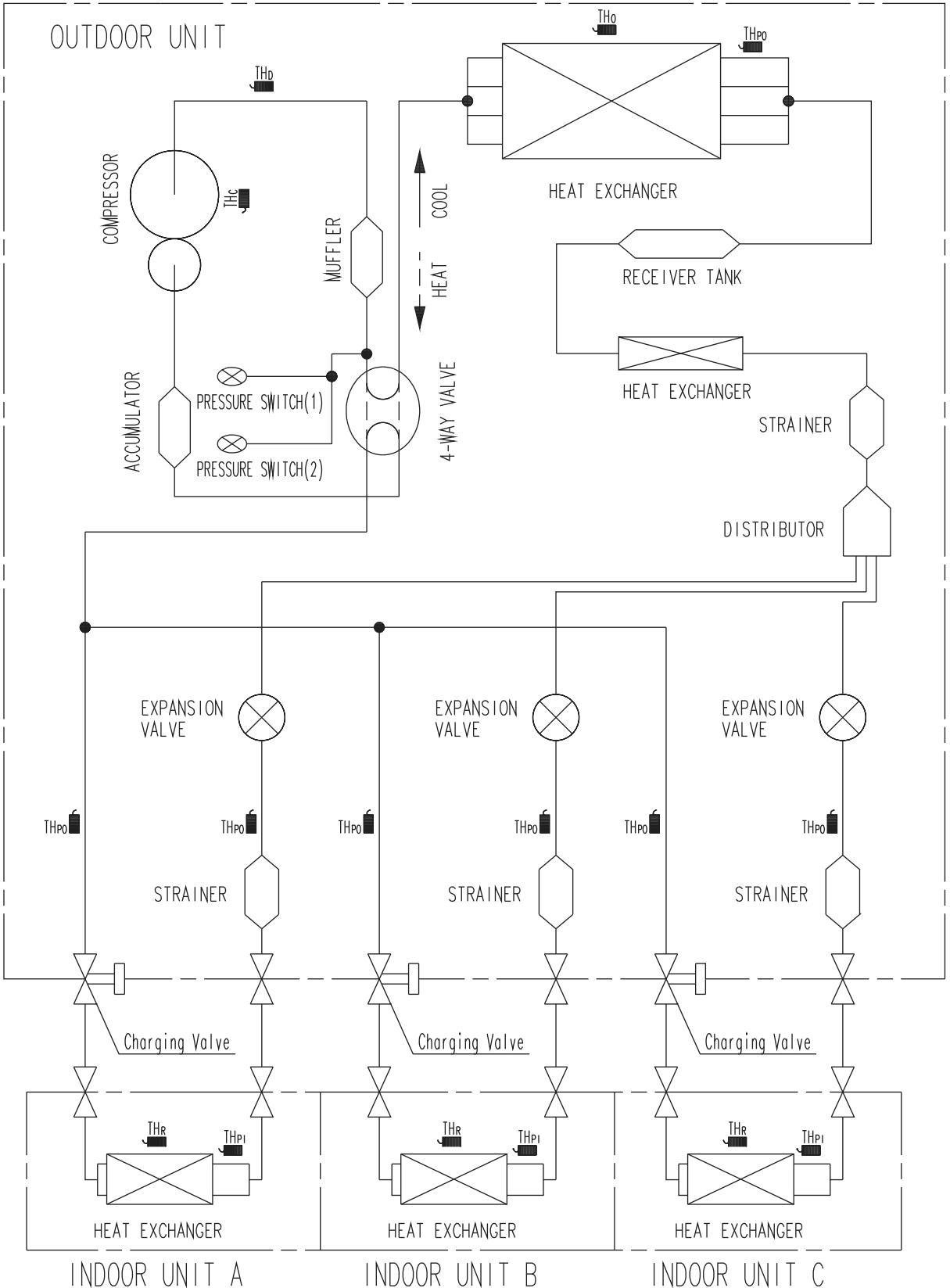
### ⚠ CAUTION

- 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. Models: AOYG18LAT3 and AOYG24LAT3



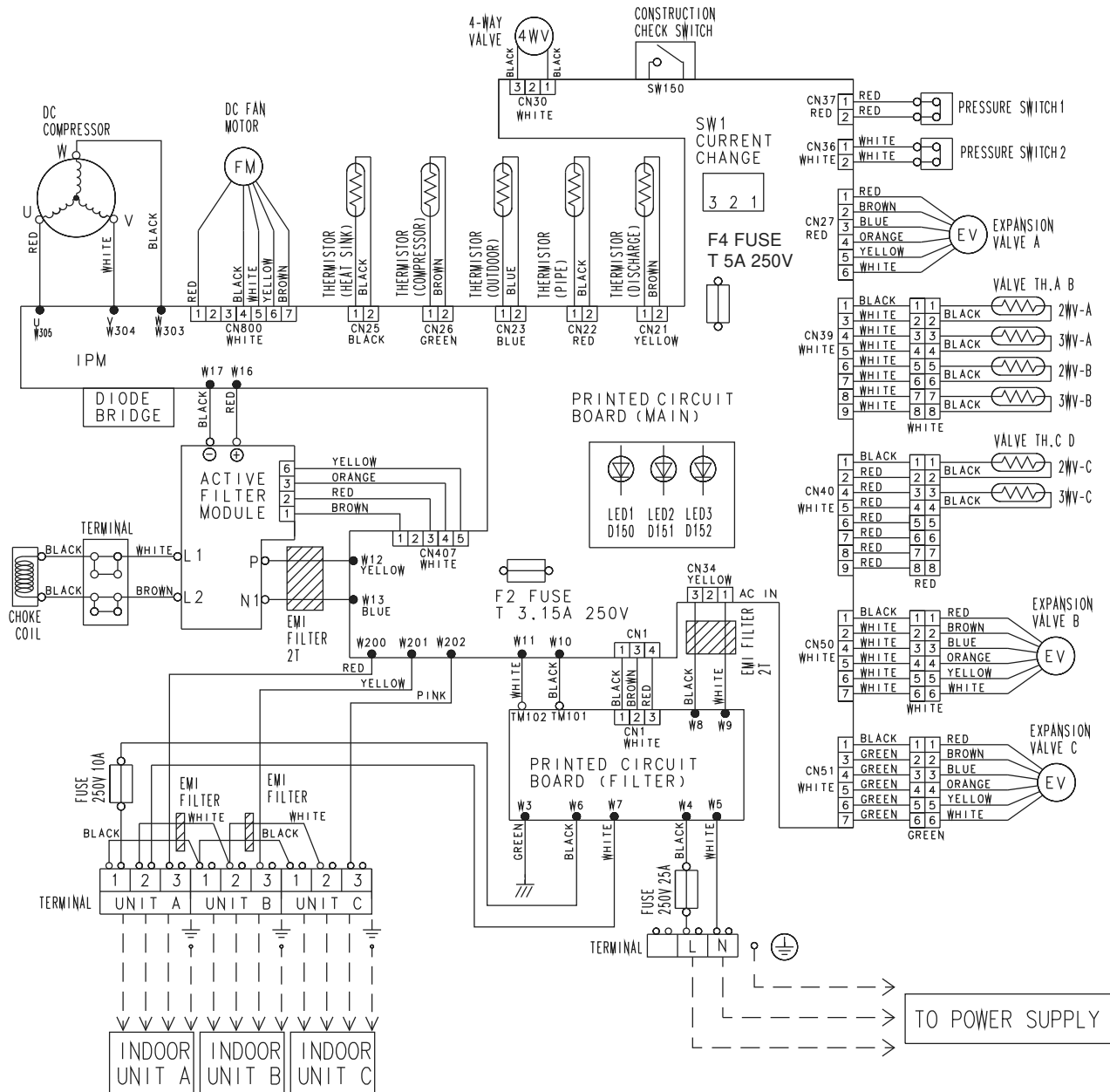
$TH_c$ : THERMISTOR (COMPRESSOR TEMP.)  
 $TH_o$ : THERMISTOR (OUTDOOR TEMP.)  
 $TH_{po}$ : THERMISTOR (PIPE TEMP.)  
 $TH_r$ : THERMISTOR (ROOM TEMP.)

$TH_r$ : THERMISTOR (ROOM TEMP.)  
 $TH_{pi}$ : THERMISTOR (PIPE TEMP.)



# 5. Wiring diagram

## 5-1. Models: AOYG18LAT3 and AOYG24LAT3



TO POWER SUPPLY

# 6. Capacity table

## 6-1. Combinations

### ■ Model: AOYG18LAT3

#### ● Cooling

Combination of indoor unit				Rated capacity for each indoor unit (kBtu/h)			Total capacity (kBtu/h)			Input power (kW)			EER (W/W)	Seasonal Data		
Room			Total	Room			Min.	Rated	Max.	Min.	Rated	Max.		Pdesign (kW)	SEER (kW/kWh)	Energy Efficiency Class
1	2	3		1	2	3										
7	7	—	14	2.30	2.30	—	1.8	4.60	5.0	0.50	1.22	1.43	3.77	4.6	6.3	A++
7	9	—	16	2.30	2.70	—	1.8	5.00	5.7	0.50	1.35	1.81	3.70	5.0	6.2	A++
7	12	—	19	1.98	3.02	—	1.8	5.00	6.1	0.50	1.34	2.06	3.73	5.0	6.2	A++
7	14	—	21	1.88	3.42	—	1.8	5.30	6.6	0.50	1.34	2.06	3.96	5.3	6.1	A++
9	9	—	18	2.50	2.50	—	1.8	5.00	6.2	0.50	1.35	2.06	3.70	5.0	6.2	A++
9	12	—	21	2.18	2.82	—	1.8	5.00	6.3	0.50	1.35	2.06	3.70	5.0	6.2	A++
9	14	—	23	2.07	3.23	—	1.8	5.30	6.7	0.50	1.35	2.06	3.93	5.3	6.1	A++
12	12	—	24	2.55	2.55	—	1.8	5.10	6.3	0.50	1.35	2.06	3.78	5.1	6.1	A++
12	14	—	26	2.41	2.89	—	1.8	5.30	6.7	0.50	1.35	2.06	3.93	5.3	6.1	A++
7	7	7	21	1.80	1.80	1.80	1.8	5.40	6.8	0.50	1.35	2.06	4.00	5.4	6.9	A++
7	7	9	23	1.70	1.70	2.00	1.8	5.40	6.8	0.50	1.35	2.06	4.00	5.4	6.9	A++
7	7	12	26	1.53	1.53	2.33	1.8	5.40	6.8	0.50	1.35	2.06	4.00	5.4	6.7	A++
7	7	14	28	1.41	1.41	2.58	2.0	5.40	6.8	0.60	1.35	2.06	4.00	5.4	6.7	A++
7	9	9	25	1.61	1.89	1.89	1.8	5.40	6.8	0.50	1.35	2.06	4.00	5.4	6.8	A++
7	9	12	28	1.46	1.72	2.22	1.8	5.40	6.8	0.50	1.35	2.06	4.00	5.4	6.7	A++
7	9	14	30	1.35	1.58	2.47	2.0	5.40	6.8	0.60	1.35	2.06	4.00	5.4	6.7	A++
9	9	9	27	1.80	1.80	1.80	1.8	5.40	6.8	0.50	1.35	2.06	4.00	5.4	6.8	A++
9	9	12	30	1.64	1.64	2.12	1.8	5.40	6.8	0.50	1.35	2.06	4.00	5.4	6.7	A++

#### NOTES:

- 7: 7,000 Btu/h, 9: 9,000 Btu/h, 12: 12,000 Btu/h, 14: 14,000 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 a indoor unit is from 14,000 Btu up to 30,000 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 (kW/kWh)	Energy Efficiency Class
1	2	3		1	2	3										
7	7	—	14	2.70	2.70	—	2.0	5.40	6.1	0.52	1.59	1.93	3.40	4.0	4.1	A+
7	9	—	16	2.75	3.25	—	2.0	6.00	6.4	0.52	1.87	2.06	3.21	4.0	4.1	A+
7	12	—	19	2.59	3.71	—	2.0	6.30	6.5	0.52	1.98	2.06	3.18	4.0	4.1	A+
7	14	—	21	2.51	4.29	—	2.0	6.80	7.1	0.50	1.92	2.06	3.54	4.0	4.1	A+
9	9	—	18	3.15	3.15	—	2.0	6.30	6.5	0.52	1.98	2.06	3.18	4.0	4.1	A+
9	12	—	21	2.89	3.51	—	2.0	6.40	6.6	0.52	1.99	2.06	3.22	4.0	4.1	A+
9	14	—	23	2.77	4.03	—	2.0	6.80	7.2	0.50	1.91	2.06	3.56	4.0	4.1	A+
12	12	—	24	3.20	3.20	—	2.0	6.40	6.6	0.52	1.98	2.06	3.23	4.0	4.1	A+
12	14	—	26	3.09	3.71	—	2.0	6.80	7.3	0.50	1.90	2.06	3.58	4.0	4.1	A+
7	7	7	21	2.27	2.27	2.27	2.0	6.80	7.7	0.50	1.62	2.06	4.20	5.0	4.3	A+
7	7	9	23	2.14	2.14	2.52	2.0	6.80	7.8	0.50	1.62	2.06	4.20	5.0	4.3	A+
7	7	12	26	1.98	1.98	2.83	2.0	6.80	7.8	0.50	1.59	2.06	4.28	5.0	4.3	A+
7	7	14	28	1.83	1.83	3.14	2.0	6.80	8.0	0.50	1.61	2.06	4.22	5.0	4.3	A+
7	9	9	25	2.03	2.39	2.39	2.0	6.80	7.8	0.50	1.60	2.06	4.25	5.0	4.3	A+
7	9	12	28	1.89	2.22	2.69	2.0	6.80	7.9	0.50	1.59	2.06	4.28	5.0	4.3	A+
7	9	14	30	1.75	2.06	2.99	2.0	6.80	8.0	0.50	1.60	2.06	4.25	5.0	4.3	A+
9	9	9	27	2.27	2.27	2.27	2.0	6.80	7.9	0.50	1.59	2.06	4.28	5.0	4.3	A+
9	9	12	30	2.12	2.12	2.57	2.0	6.80	7.9	0.50	1.59	2.06	4.28	5.0	4.3	A+

## **NOTES:**

- 7: 7,000 Btu/h, 9: 9,000 Btu/h, 12: 12,000 Btu/h, 14: 14,000 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 30,000 Btu.

# Model: AOYG24LAT3

## Cooling

Combination of indoor unit				Rated capacity for each indoor unit (kBtu/h)			Total capacity (kBtu/h)			Input power (kW)			EER (W/W)	Seasonal Data		
Room			Total	Room			Min.	Rated	Max.	Min.	Rated	Max.		Pdesign (kW)	SEER (kW/kWh)	Energy Efficiency Class
1	2	3		1	2	3										
7	7	—	14	2.30	2.30	—	1.8	4.60	5.0	0.50	1.20	1.40	3.83	4.6	6.3	A++
7	9	—	16	2.30	2.70	—	1.8	5.00	5.7	0.50	1.36	1.78	3.68	5.0	6.2	A++
7	12	—	19	2.38	3.42	—	1.8	5.80	6.1	0.50	1.70	1.97	3.41	5.8	6.1	A++
7	14	—	21	2.37	4.13	—	1.8	6.50	7.2	0.50	1.91	2.46	3.40	6.5	6.0	A+
7	18	—	25	2.08	4.52	—	1.8	6.60	7.8	0.50	1.91	2.87	3.46	6.6	5.9	A+
9	9	—	18	2.75	2.75	—	1.8	5.50	6.2	0.50	1.55	2.02	3.55	5.5	6.1	A++
9	12	—	21	2.79	3.41	—	1.8	6.20	6.8	0.50	1.90	2.45	3.26	6.2	5.9	A+
9	14	—	23	2.66	3.94	—	1.8	6.60	7.7	0.50	1.91	2.77	3.46	6.6	6.0	A+
9	18	—	27	2.35	4.35	—	1.8	6.70	7.9	0.50	1.91	2.87	3.51	6.7	5.9	A+
12	12	—	24	3.15	3.15	—	1.8	6.30	7.2	0.50	1.90	2.74	3.32	6.3	5.9	A+
12	14	—	26	3.03	3.67	—	1.8	6.70	7.8	0.50	1.91	2.87	3.51	6.7	5.9	A+
12	18	—	30	2.66	4.04	—	1.8	6.70	7.9	0.50	1.92	2.87	3.49	6.7	5.8	A+
7	7	7	21	2.23	2.23	2.23	1.8	6.70	7.4	0.50	1.89	2.37	3.54	6.7	6.4	A++
7	7	9	23	2.14	2.14	2.52	1.8	6.80	7.8	0.60	1.94	2.87	3.51	6.8	6.4	A++
7	7	12	26	1.98	1.98	2.84	1.8	6.80	8.1	0.50	1.93	2.87	3.52	6.8	6.3	A++
7	7	14	28	1.82	1.82	3.16	2.0	6.80	8.4	0.60	1.94	2.87	3.51	6.8	6.2	A++
7	7	18	32	1.63	1.63	3.54	2.0	6.80	8.5	0.60	1.94	2.87	3.51	6.8	6.1	A++
7	9	9	25	2.03	2.38	2.38	1.8	6.80	8.2	0.50	1.93	2.87	3.52	6.8	6.4	A++
7	9	12	28	1.88	2.21	2.70	1.8	6.80	8.2	0.50	1.93	2.87	3.52	6.8	6.2	A++
7	9	14	30	1.74	2.04	3.02	2.0	6.40	8.4	0.60	1.94	2.87	3.51	6.8	6.2	A++
7	9	18	34	1.56	1.84	3.40	2.0	6.80	8.5	0.60	1.94	2.87	3.51	6.8	6.1	A++
7	12	12	31	1.76	2.52	2.52	1.8	6.80	8.2	0.50	1.94	2.87	3.51	6.8	6.2	A++
7	12	14	33	1.63	2.34	2.83	2.0	6.80	8.5	0.60	1.94	2.87	3.51	6.8	6.2	A++
9	9	9	27	2.27	2.27	2.27	1.8	6.80	8.2	0.50	1.94	2.87	3.51	6.8	6.4	A++
9	9	12	30	2.11	2.11	2.58	1.8	6.80	8.3	0.50	1.94	2.87	3.51	6.8	6.2	A++
9	9	14	32	1.95	1.95	2.89	2.0	6.80	8.5	0.60	1.94	2.87	3.51	6.8	6.2	A++
9	9	18*1	36	1.77	1.77	3.27	2.0	6.80	8.5	0.60	1.94	2.87	3.51	6.8	6.1	A++
9	12	12	33	1.97	2.41	2.41	1.8	6.80	8.3	0.50	1.94	2.87	3.51	6.8	6.2	A++
9	12	14	35	1.84	2.24	2.72	2.0	6.80	8.5	0.60	1.94	2.87	3.51	6.8	6.2	A++
12	12	12	36	2.27	2.27	2.27	1.8	6.80	8.3	0.50	1.94	2.87	3.51	6.8	6.1	A++

### NOTES:

- 7: 7,000 Btu/h, 9: 9,000 Btu/h, 12: 12,000 Btu/h, 18: 18,000 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 36,000 Btu.
- \*1: When ASYG18L is connected, 9,000Btu model shall be chosen at least one "wall mounted type" or more.

# ● 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 (kW/kWh)	Energy Efficiency Class
1	2	3		1	2	3										
7	7	—	14	2.75	2.75	—	2.0	5.50	6.1	0.52	1.55	1.93	3.55	4.0	4.1	A+
7	9	—	16	2.80	3.30	—	2.0	6.10	7.0	0.52	1.82	2.52	3.35	4.0	4.1	A+
7	12	—	19	2.88	4.12	—	2.0	7.00	7.3	0.52	2.31	2.66	3.03	4.0	4.1	A+
7	14	—	21	2.80	4.80	—	2.0	7.60	8.3	0.50	2.28	2.87	3.33	4.0	4.1	A+
7	18	—	25	2.51	5.39	—	2.0	7.90	8.3	0.50	2.34	2.87	3.38	4.0	4.1	A+
9	9	—	18	3.30	3.30	—	2.0	6.60	7.4	0.52	2.04	2.68	3.24	4.0	4.1	A+
9	12	—	21	3.30	4.00	—	2.0	7.30	7.7	0.52	2.43	2.87	3.00	4.0	4.1	A+
9	14	—	23	3.22	4.68	—	2.0	7.90	8.3	0.50	2.38	2.87	3.32	4.0	4.1	A+
9	18	—	27	2.84	5.16	—	2.0	8.00	8.5	0.50	2.32	2.87	3.45	4.0	4.1	A+
12	12	—	24	3.80	3.80	—	2.0	7.60	7.8	0.52	2.54	2.87	2.99	4.0	4.1	A+
12	14	—	26	3.59	4.31	—	2.0	7.90	8.4	0.50	2.37	2.87	3.33	4.0	4.1	A+
12	18	—	30	3.20	4.80	—	2.0	8.00	8.6	0.50	2.31	2.87	3.46	4.0	4.1	A+
7	7	7	21	2.60	2.60	2.60	2.0	7.80	8.6	0.50	1.94	2.68	4.02	5.0	4.3	A+
7	7	9	23	2.52	2.52	2.96	2.0	8.00	8.8	0.50	2.00	2.87	4.00	5.2	4.2	A+
7	7	12	26	2.34	2.34	3.32	2.0	8.00	8.9	0.50	1.99	2.80	4.02	5.2	4.2	A+
7	7	14	28	2.16	2.16	3.68	2.0	8.00	9.2	0.50	1.91	2.72	4.19	5.2	4.2	A+
7	7	18	32	1.94	1.94	4.12	2.0	8.00	9.2	0.50	1.89	2.70	4.23	5.2	4.2	A+
7	9	9	25	2.38	2.81	2.81	2.0	8.00	9.0	0.50	1.99	2.87	4.02	5.2	4.2	A+
7	9	12	28	2.23	2.62	3.15	2.0	8.00	9.1	0.50	1.98	2.87	4.04	5.2	4.2	A+
7	9	14	30	2.06	2.42	3.52	2.0	8.00	9.2	0.50	1.91	2.72	4.19	5.2	4.2	A+
7	9	18	34	1.85	2.18	3.97	2.0	8.00	9.2	0.50	1.89	2.69	4.23	5.2	4.2	A+
7	12	12	31	2.08	2.96	2.96	2.0	8.00	9.1	0.50	1.97	2.87	4.06	5.2	4.2	A+
7	12	14	33	1.93	2.76	3.31	2.0	8.00	9.2	0.50	1.90	2.70	4.21	5.2	4.2	A+
9	9	9	27	2.67	2.67	2.67	2.0	8.00	9.1	0.50	1.98	2.87	4.04	5.2	4.2	A+
9	9	12	30	2.49	2.49	3.02	2.0	8.00	9.2	0.50	1.97	2.87	4.06	5.2	4.2	A+
9	9	14	32	2.32	2.32	3.37	2.0	8.00	9.2	0.50	1.89	2.70	4.23	5.2	4.2	A+
9	9	18*1	36	2.10	2.10	3.81	2.0	8.00	9.2	0.50	1.87	2.68	4.28	5.2	4.2	A+
9	12	12	33	2.34	2.83	2.83	2.0	8.00	9.2	0.50	1.96	2.80	4.08	5.2	4.2	A+
9	12	14	35	2.18	2.64	3.17	2.0	8.00	9.2	0.50	1.89	2.69	4.23	5.2	4.2	A+
12	12	12	36	2.67	2.67	2.67	2.0	8.00	9.2	0.50	1.95	2.78	4.10	5.2	4.2	A+

## NOTES:

- 7: 7,000 Btu/h, 9: 9,000 Btu/h, 12: 12,000 Btu/h, 18: 18,000 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 36,000 Btu.
- \*1: When ASYG18L is connected, 9,000Btu model shall be chosen at least one "wall mounted type" or more.















# Model: AOYG24LAT3

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

## Indoor units: 7,000 Btu

		Indoor temperature																				
		18			21			23			25			27			29			32		
		12			15			16			18			19			21			23		
Outdoor temperature	°CDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
	°CWB	kW			kW			kW			kW			kW			kW			kW		
-10	2.17	1.64	0.31	2.42	1.65	0.31	2.50	1.80	0.31	2.66	1.80	0.31	2.74	1.95	0.32	2.91	1.94	0.32	2.99	1.94	0.32	
-5	2.08	1.60	0.35	2.31	1.61	0.35	2.39	1.75	0.35	2.55	1.76	0.36	2.63	1.90	0.36	2.79	1.89	0.36	2.87	1.89	0.36	
0	2.04	1.59	0.38	2.27	1.60	0.39	2.35	1.74	0.39	2.51	1.74	0.39	2.58	1.88	0.40	2.74	1.87	0.40	2.82	1.87	0.40	
5	2.02	1.58	0.39	2.25	1.59	0.40	2.33	1.73	0.40	2.48	1.73	0.40	2.56	1.87	0.41	2.72	1.86	0.41	2.79	1.86	0.41	
10	2.04	1.59	0.40	2.27	1.60	0.40	2.35	1.74	0.41	2.51	1.74	0.41	2.58	1.88	0.41	2.74	1.87	0.42	2.82	1.87	0.42	
15	1.99	1.56	0.41	2.21	1.57	0.42	2.29	1.71	0.42	2.44	1.72	0.43	2.52	1.85	0.43	2.67	1.85	0.43	2.74	1.84	0.43	
20	2.12	1.62	0.45	2.36	1.63	0.46	2.44	1.77	0.46	2.60	1.78	0.46	2.68	1.92	0.46	2.84	1.91	0.47	2.92	1.91	0.47	
25	2.05	1.59	0.45	2.29	1.60	0.46	2.36	1.74	0.46	2.52	1.75	0.47	2.60	1.89	0.47	2.75	1.88	0.48	2.83	1.88	0.48	
30	1.95	1.54	0.50	2.17	1.55	0.51	2.24	1.69	0.51	2.39	1.69	0.51	2.46	1.83	0.52	2.61	1.82	0.52	2.68	1.82	0.52	
35	2.13	1.63	0.72	2.38	1.64	0.74	2.46	1.78	0.74	2.62	1.79	0.75	2.70	1.93	0.75	2.86	1.92	0.76	2.94	1.92	0.76	
40	2.07	1.60	0.80	2.31	1.61	0.82	2.39	1.75	0.82	2.54	1.76	0.83	2.62	1.90	0.83	2.78	1.89	0.84	2.86	1.89	0.84	
46	1.91	1.54	0.91	2.13	1.55	0.93	2.20	1.69	0.93	2.35	1.70	0.94	2.42	1.83	0.95	2.56	1.82	0.95	2.64	1.82	0.96	

## Indoor units: 9,000 Btu

		Indoor temperature																				
		18			21			23			25			27			29			32		
		12			15			16			18			19			21			23		
Outdoor temperature	°CDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
	°CWB	kW			kW			kW			kW			kW			kW			kW		
-10	2.19	1.73	0.30	2.44	1.74	0.30	2.52	1.89	0.30	2.69	1.90	0.31	2.77	2.05	0.31	2.94	2.05	0.31	3.02	2.04	0.31	
-5	2.10	1.69	0.34	2.34	1.70	0.34	2.42	1.85	0.34	2.58	1.86	0.35	2.66	2.00	0.35	2.82	2.00	0.35	2.90	1.99	0.35	
0	2.06	1.67	0.37	2.30	1.68	0.38	2.38	1.83	0.38	2.53	1.84	0.38	2.61	1.98	0.38	2.77	1.98	0.39	2.85	1.97	0.39	
5	2.05	1.66	0.38	2.28	1.67	0.39	2.36	1.82	0.39	2.51	1.83	0.39	2.59	1.97	0.39	2.75	1.97	0.40	2.82	1.96	0.40	
10	2.06	1.67	0.39	2.30	1.68	0.39	2.38	1.83	0.39	2.53	1.84	0.40	2.61	1.98	0.40	2.77	1.98	0.40	2.85	1.97	0.41	
15	2.10	1.69	0.44	2.34	1.70	0.45	2.42	1.85	0.45	2.58	1.86	0.45	2.66	2.00	0.46	2.82	2.00	0.46	2.90	1.99	0.46	
20	2.41	1.83	0.56	2.69	1.84	0.57	2.78	2.00	0.57	2.97	2.01	0.58	3.06	2.17	0.58	3.24	2.16	0.59	3.33	2.16	0.59	
25	2.34	1.80	0.57	2.61	1.81	0.58	2.69	1.97	0.58	2.87	1.97	0.59	2.96	2.13	0.59	3.14	2.12	0.60	3.23	2.12	0.60	
30	2.22	1.74	0.63	2.47	1.75	0.64	2.55	1.91	0.64	2.72	1.91	0.65	2.81	2.07	0.65	2.98	2.06	0.65	3.06	2.06	0.66	
35	2.61	1.92	1.05	2.90	1.93	1.07	3.00	2.09	1.07	3.20	2.10	1.08	3.30	2.27	1.09	3.50	2.26	1.10	3.60	2.26	1.11	
40	2.47	1.86	1.17	2.75	1.87	1.19	2.85	2.03	1.19	3.04	2.04	1.20	3.13	2.20	1.21	3.32	2.19	1.22	3.41	2.19	1.23	
46	2.29	1.80	1.33	2.56	1.81	1.35	2.64	1.97	1.35	2.82	1.98	1.37	2.90	2.13	1.37	3.08	2.13	1.39	3.17	2.12	1.39	

## Indoor units: 12,000 Btu

		Indoor temperature																				
		18			21			23			25			27			29			32		
		12			15			16			18			19			21			23		
Outdoor temperature	°CDB	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
	°CWB	kW			kW			kW			kW			kW			kW			kW		
-10	2.75	2.08	0.40	3.07	2.10	0.40	3.17	2.28	0.41	3.38	2.29	0.41	3.48	2.47	0.41	3.69	2.46	0.42	3.80	2.45	0.42	
-5	2.64	2.03	0.45	2.94	2.04	0.46	3.04	2.22	0.46	3.24	2.23	0.46	3.34	2.41	0.47	3.54	2.40	0.47	3.64	2.39	0.47	
0	2.59	2.01	0.50	2.89	2.02	0.51	2.98	2.20	0.51	3.18	2.21	0.51	3.28	2.38	0.52	3.48	2.37	0.52	3.58	2.37	0.52	
5	2.57	2.00	0.51	2.86	2.01	0.52	2.96	2.19	0.52	3.15	2.20	0.53	3.25	2.37	0.53	3.45	2.36	0.53	3.54	2.36	0.54	
10	2.59	2.01	0.52	2.89	2.02	0.53	2.98	2.20	0.53	3.18	2.21	0.53	3.28	2.38	0.54	3.48	2.37	0.54	3.58	2.37	0.54	
15	2.52	1.98	0.54	2.81	1.99	0.55	2.91	2.16	0.55	3.10	2.17	0.55	3.19	2.35	0.56	3.38	2.34	0.56	3.48	2.33	0.57	
20	3.11	2.23	0.79	3.46	2.25	0.81	3.58	2.44	0.81	3.81	2.45	0.82	3.93	2.65	0.82	4.17	2.64	0.83	4.28	2.63	0.83	
25	3.01	2.19	0.80	3.35	2.21	0.82	3.47	2.40	0.82	3.69	2.41	0.83	3.81	2.60	0.83	4.04	2.59	0.84	4.15	2.58	0.85	
30	2.85	2.13	0.88	3.18	2.14	0.90	3.28	2.32	0.90	3.50	2.33	0.91	3.61	2.52	0.91	3.83	2.51	0.92	3.93	2.51	0.93	
35	2.92	2.16	1.11	3.26	2.17	1.13	3.37	2.36	1.13	3.59	2.37	1.14	3.70	2.56	1.15	3.92	2.55	1.16	4.03	2.54	1.17	
40	2.77	2.09	1.23	3.09	2.10	1.25	3.19	2.29	1.26	3.40	2.30	1.27	3.51	2.48	1.28	3.72	2.47	1.29	3.82	2.46	1.30	
46	2.57	2.03	1.40	2.87	2.04	1.42	2.96	2.22	1.43	3.16	2.23	1.44	3.26	2.40	1.45	3.45	2.39	1.46	3.55	2.39	1.47	



















## 6-3. Heating capacity

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

### ■ Model: AOYG18LAT3

- 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	2.32	1.06	2.27	1.09	2.21	1.11	2.16	1.13	2.10	1.15
-10	-11	2.65	1.14	2.59	1.16	2.52	1.19	2.46	1.21	2.40	1.23
-5	-7	2.77	1.09	2.70	1.11	2.64	1.13	2.57	1.16	2.50	1.18
0	-2	2.89	1.03	2.82	1.05	2.75	1.08	2.68	1.10	2.61	1.12
5	3	3.26	0.96	3.18	0.98	3.10	1.00	3.02	1.02	2.95	1.04
7	6	3.47	0.96	3.38	0.98	3.30	1.00	3.22	1.02	3.14	1.04
10	8	3.50	1.01	3.42	1.03	3.33	1.05	3.25	1.07	3.17	1.09
15	10	3.53	0.97	3.45	0.99	3.37	1.01	3.28	1.03	3.20	1.05
20	15	3.47	0.76	3.38	0.78	3.30	0.79	3.22	0.81	3.14	0.83

#### ● 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	2.88	1.29	2.81	1.32	2.74	1.34	2.68	1.37	2.61	1.40
-10	-11	3.28	1.39	3.20	1.42	3.12	1.44	3.04	1.47	2.97	1.50
-5	-7	3.46	1.34	3.38	1.37	3.29	1.40	3.21	1.43	3.13	1.46
0	-2	3.66	1.30	3.57	1.33	3.49	1.35	3.40	1.38	3.31	1.41
5	3	4.15	1.25	4.05	1.27	3.95	1.30	3.85	1.33	3.75	1.35
7	6	4.41	1.25	4.31	1.27	4.20	1.30	4.10	1.33	3.99	1.35
10	8	4.45	1.27	4.35	1.30	4.24	1.33	4.14	1.35	4.03	1.38
15	10	4.50	1.27	4.39	1.30	4.28	1.32	4.18	1.35	4.07	1.38
20	15	4.41	0.96	4.31	0.98	4.20	1.00	4.10	1.02	3.99	1.04

#### ● 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	3.29	1.67	3.21	1.70	3.14	1.74	3.06	1.77	2.98	1.80
-10	-11	3.75	1.78	3.66	1.82	3.57	1.86	3.48	1.89	3.39	1.93
-5	-7	3.95	1.75	3.86	1.78	3.76	1.82	3.67	1.86	3.57	1.89
0	-2	4.18	1.66	4.08	1.70	3.98	1.73	3.88	1.77	3.78	1.80
5	3	4.74	1.56	4.62	1.59	4.51	1.62	4.40	1.65	4.29	1.68
7	6	5.04	1.56	4.92	1.59	4.80	1.62	4.68	1.65	4.56	1.68
10	8	5.09	1.59	4.97	1.62	4.85	1.65	4.73	1.69	4.61	1.72
15	10	5.14	1.59	5.02	1.63	4.90	1.66	4.77	1.69	4.65	1.73
20	15	5.04	1.35	4.92	1.38	4.80	1.41	4.68	1.43	4.56	1.46

#### ● Indoor units: 14,000 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	3.95	1.71	3.85	1.75	3.76	1.78	3.67	1.82	3.57	1.86
-10	-11	4.50	1.83	4.39	1.87	4.29	1.91	4.18	1.95	4.07	1.98
-5	-7	4.78	1.80	4.67	1.84	4.55	1.88	4.44	1.92	4.33	1.95
0	-2	5.09	1.74	4.97	1.77	4.85	1.81	4.73	1.85	4.61	1.88
5	3	5.72	1.63	5.59	1.67	5.45	1.70	5.32	1.73	5.18	1.77
7	6	6.09	1.63	5.95	1.67	5.80	1.70	5.66	1.73	5.51	1.77
10	8	6.15	1.67	6.00	1.70	5.86	1.74	5.71	1.77	5.57	1.81
15	10	6.40	1.75	6.24	1.79	6.09	1.83	5.94	1.86	5.79	1.90
20	15	6.09	1.36	5.95	1.39	5.80	1.42	5.66	1.45	5.51	1.48

## ● 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		3.78	1.83	3.69	1.87	3.60	1.91	3.51	1.95	3.42	1.99
-10	-11		4.26	1.95	4.16	1.99	4.06	2.03	3.96	2.06	3.86	2.06
-5	-7		4.80	1.91	4.68	1.95	4.57	1.99	4.45	2.03	4.34	2.06
0	-2		5.41	1.72	5.28	1.76	5.15	1.94	5.02	1.83	4.89	1.87
5	3		6.02	1.80	5.88	1.83	5.73	1.91	5.59	1.91	5.45	1.95
7	6		6.41	1.85	6.25	1.89	6.10	1.93	5.95	1.97	5.80	2.01
10	8		6.47	1.89	6.32	1.93	6.16	1.97	6.01	2.01	5.85	2.05
15	10		6.53	1.91	6.38	1.95	6.22	1.99	6.07	2.03	5.91	2.06
20	15		6.41	1.67	6.25	1.70	6.10	1.74	5.95	1.77	5.80	1.81

## ● 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		3.82	1.96	3.72	2.00	3.63	2.04	3.54	2.06	3.45	2.06
-10	-11		4.33	1.98	4.23	2.02	4.13	2.06	4.02	2.06	3.92	2.06
-5	-7		4.87	1.98	4.76	2.02	4.64	2.06	4.52	2.06	4.41	2.06
0	-2		5.58	1.84	5.44	1.88	5.31	2.03	5.18	1.95	5.05	1.99
5	3		6.32	1.92	6.17	1.96	6.02	2.04	5.87	2.04	5.72	2.06
7	6		6.72	1.98	6.56	2.02	6.40	2.06	6.24	2.06	6.08	2.06
10	8		6.79	1.98	6.63	2.02	6.46	2.06	6.30	2.06	6.14	2.06
15	10		6.85	1.98	6.69	2.02	6.53	2.06	6.36	2.06	6.20	2.06
20	15		6.72	1.78	6.56	1.82	6.40	1.85	6.24	1.89	6.08	1.93

## ● 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		3.94	1.95	3.85	1.99	3.75	2.03	3.66	2.06	3.57	2.06
-10	-11		4.45	1.98	4.34	2.02	4.24	2.06	4.13	2.06	4.02	2.06
-5	-7		4.95	1.98	4.83	2.02	4.71	2.06	4.59	2.06	4.48	2.06
0	-2		5.68	1.83	5.55	1.87	5.41	2.04	5.27	1.94	5.14	1.98
5	3		6.42	1.91	6.26	1.95	6.11	2.05	5.96	2.03	5.80	2.06
7	6		6.83	1.98	6.66	2.02	6.50	2.06	6.34	2.06	6.18	2.06
10	8		6.89	1.98	6.73	2.02	6.57	2.06	6.40	2.06	6.24	2.06
15	10		6.96	1.97	6.80	2.01	6.63	2.05	6.46	2.06	6.30	2.06
20	15		6.83	1.57	6.66	1.61	6.50	1.64	6.34	1.67	6.18	1.71

## ● 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		4.34	1.93	4.24	1.97	4.13	2.01	4.03	2.05	3.93	2.06
-10	-11		4.94	1.98	4.82	2.02	4.70	2.06	4.58	2.06	4.47	2.06
-5	-7		5.44	1.98	5.31	2.02	5.18	2.06	5.05	2.06	4.92	2.06
0	-2		6.20	1.81	6.06	1.85	5.91	2.04	5.76	1.93	5.61	1.96
5.12	3		7.01	1.89	6.84	1.93	6.67	2.04	6.51	2.01	6.34	2.05
7	6		7.46	1.98	7.28	2.02	7.10	2.06	6.92	2.06	6.75	2.06
10	8		7.53	1.98	7.35	2.02	7.17	2.06	6.99	2.06	6.81	2.06
15	10		7.60	1.95	7.42	1.99	7.24	2.03	7.06	2.06	6.88	2.06
20	15		7.46	1.56	7.28	1.59	7.10	1.62	6.92	1.66	6.75	1.69

## ● 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		3.89	1.95	3.80	1.99	3.71	2.03	3.61	2.06	3.52	2.06
-10	-11		4.39	1.98	4.29	2.02	4.19	2.06	4.08	2.06	3.98	2.06
-5	-7		4.95	1.98	4.83	2.02	4.71	2.06	4.59	2.06	4.48	2.06
0	-2		5.66	1.83	5.53	1.87	5.40	2.04	5.26	1.94	5.13	1.98
5	3		6.42	1.91	6.26	1.95	6.11	2.04	5.96	2.03	5.80	2.06
7	6		6.83	1.98	6.66	2.02	6.50	2.06	6.34	2.06	6.18	2.06
10	8		6.89	1.98	6.73	2.02	6.57	2.06	6.40	2.06	6.24	2.06
15	10		6.96	1.98	6.80	2.02	6.63	2.06	6.46	2.06	6.30	2.06
20	15		6.83	1.77	6.66	1.81	6.50	1.85	6.34	1.88	6.18	1.92

## ● 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	3.96	1.94	3.87	1.98	3.77	2.02	3.68	2.06	3.58	2.06
	-10	-11	4.47	1.98	4.36	2.02	4.26	2.06	4.15	2.06	4.05	2.06
	-5	-7	5.02	1.98	4.90	2.02	4.79	2.06	4.67	2.06	4.55	2.06
	0	-2	5.75	1.82	5.61	1.86	5.48	2.03	5.34	1.94	5.20	1.97
	5	3	6.51	1.90	6.36	1.94	6.20	2.04	6.05	2.02	5.89	2.06
	7	6	6.93	1.98	6.77	2.02	6.60	2.06	6.44	2.06	6.27	2.06
	10	8	7.00	1.98	6.83	2.02	6.67	2.06	6.50	2.06	6.33	2.06
	15	10	7.07	1.96	6.90	2.00	6.73	2.04	6.56	2.06	6.40	2.06
20	15	6.93	1.57	6.77	1.60	6.60	1.63	6.44	1.66	6.27	1.70	

## ● 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	4.38	1.92	4.28	1.96	4.17	2.00	4.07	2.04	3.97	2.06
	-10	-11	4.97	1.98	4.85	2.02	4.73	2.06	4.61	2.06	4.49	2.06
	-5	-7	5.50	1.98	5.37	2.02	5.24	2.06	5.11	2.06	4.97	2.06
	0	-2	6.27	1.80	6.13	1.84	5.98	2.05	5.83	1.92	5.68	1.95
	5	3	7.11	1.88	6.94	1.92	6.77	2.04	6.60	2.00	6.43	2.04
	7	6	7.56	1.98	7.38	2.02	7.20	2.06	7.02	2.06	6.84	2.06
	10	8	7.64	1.98	7.45	2.02	7.27	2.06	7.09	2.06	6.91	2.06
	15	10	7.71	1.94	7.53	1.98	7.34	2.02	7.16	2.06	6.98	2.06
20	15	7.56	1.55	7.38	1.58	7.20	1.62	7.02	1.65	6.84	1.68	

## ● 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	3.81	1.93	3.72	1.97	3.63	2.01	3.54	2.05	3.45	2.06
	-10	-11	4.44	1.98	4.33	2.02	4.22	2.06	4.12	2.06	4.01	2.06
	-5	-7	5.02	1.98	4.90	2.02	4.79	2.06	4.67	2.06	4.55	2.06
	0	-2	5.75	1.81	5.61	1.85	5.48	2.04	5.34	1.93	5.20	1.96
	5	3	6.51	1.89	6.36	1.93	6.20	2.05	6.05	2.01	5.89	2.05
	7	6	6.93	1.98	6.77	2.02	6.60	2.06	6.44	2.06	6.27	2.06
	10	8	7.00	1.98	6.83	2.02	6.67	2.06	6.50	2.06	6.33	2.06
	15	10	7.07	1.95	6.90	1.99	6.73	2.03	6.56	2.06	6.40	2.06
20	15	6.93	1.56	6.77	1.59	6.60	1.62	6.44	1.66	6.27	1.69	

## ● Indoor units: 12,000 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	4.22	1.78	4.12	1.81	4.02	1.85	3.91	1.89	3.81	1.92
	-10	-11	4.91	1.85	4.79	1.89	4.67	1.93	4.56	1.97	4.44	2.01
	-5	-7	5.56	1.91	5.42	1.95	5.29	1.99	5.16	2.03	5.03	2.06
	0	-2	6.36	1.87	6.21	1.91	6.06	1.95	5.91	1.99	5.76	2.03
	5	3	7.21	1.93	7.03	1.97	6.86	2.01	6.69	2.06	6.52	2.06
	7	6	7.67	1.98	7.48	2.02	7.30	2.06	7.12	2.06	6.94	2.06
	10	8	7.74	1.93	7.56	1.97	7.37	2.01	7.19	2.06	7.00	2.06
	15	10	7.82	1.79	7.63	1.83	7.45	1.87	7.26	1.91	7.07	1.94
20	15	7.67	1.54	7.48	1.58	7.30	1.61	7.12	1.64	6.94	1.67	

## ● Indoor units: 7,000 Btu + 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	4.61	1.94	4.50	1.98	4.39	2.02	4.28	2.06	4.17	2.06
	-10	-11	5.34	1.98	5.21	2.02	5.08	2.06	4.95	2.06	4.83	2.06
	-5	-7	5.98	1.98	5.84	2.02	5.70	2.06	5.56	2.06	5.41	2.06
	0	-2	6.79	1.82	6.63	1.86	6.47	2.04	6.31	1.94	6.14	1.97
	5	3	7.60	1.90	7.42	1.94	7.24	2.05	7.06	2.02	6.88	2.06
	7	6	8.09	1.98	7.89	2.02	7.70	2.06	7.51	2.06	7.32	2.06
	10	8	8.41	1.98	8.21	2.02	8.01	2.06	7.81	2.06	7.61	2.06
	15	10	8.73	1.96	8.52	2.00	8.32	2.04	8.11	2.06	7.90	2.06
20	15	9.06	1.57	8.84	1.60	8.62	1.63	8.41	1.66	8.19	1.70	

## ● Indoor units: 7,000 Btu + 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	4.67	1.93	4.56	1.97	4.45	2.01	4.33	2.05	4.22	2.06
	-10	-11	5.41	1.98	5.28	2.02	5.15	2.06	5.02	2.06	4.89	2.06
	-5	-7	6.06	1.98	5.92	2.02	5.77	2.06	5.63	2.06	5.48	2.06
	0	-2	6.88	1.81	6.72	1.85	6.55	2.04	6.39	1.93	6.22	1.96
	5	3	7.70	1.89	7.52	1.93	7.33	2.05	7.15	2.01	6.97	2.05
	7	6	8.19	1.98	8.00	2.02	7.80	2.06	7.61	2.06	7.41	2.06
	10	8	8.52	1.98	8.31	2.02	8.11	2.06	7.91	2.06	7.71	2.06
	15	10	8.85	1.95	8.63	1.99	8.42	2.03	8.21	2.06	8.00	2.06
20	15	9.17	1.56	8.95	1.59	8.74	1.62	8.52	1.66	8.30	1.69	

## ● Indoor units: 7,000 Btu + 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	4.67	1.81	4.56	1.85	4.45	1.89	4.33	1.92	4.22	1.96
	-10	-11	5.41	1.89	5.28	1.93	5.15	1.97	5.02	2.01	4.89	2.05
	-5	-7	6.06	1.95	5.92	1.99	5.77	2.03	5.63	2.06	5.48	2.06
	0	-2	6.88	1.91	6.72	1.95	6.55	1.99	6.39	2.03	6.22	2.06
	5	3	7.70	1.97	7.52	2.01	7.33	2.05	7.15	2.06	6.97	2.06
	7	6	8.19	1.98	8.00	2.02	7.80	2.06	7.61	2.06	7.41	2.06
	10	8	8.52	1.97	8.31	2.01	8.11	2.05	7.91	2.06	7.71	2.06
	15	10	8.85	1.83	8.63	1.87	8.42	1.91	8.21	1.94	8.00	1.98
20	15	9.17	1.57	8.95	1.61	8.74	1.64	8.52	1.67	8.30	1.71	

## ● Indoor units: 7,000 Btu + 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	4.79	1.82	4.67	1.86	4.56	1.90	4.45	1.93	4.33	1.97
	-10	-11	5.54	1.90	5.41	1.94	5.28	1.98	5.15	2.02	5.02	2.06
	-5	-7	6.22	1.96	6.07	2.00	5.92	2.04	5.77	2.06	5.62	2.06
	0	-2	7.06	1.92	6.89	1.96	6.72	2.00	6.55	2.04	6.38	2.06
	5	3	7.90	1.98	7.71	2.02	7.52	2.06	7.33	2.06	7.14	2.06
	7	6	8.40	1.98	8.20	2.02	8.00	2.06	7.80	2.06	7.60	2.06
	10	8	8.74	1.98	8.53	2.02	8.32	2.06	8.11	2.06	7.90	2.06
	15	10	9.07	1.84	8.86	1.88	8.64	1.92	8.42	1.95	8.21	1.99
20	15	9.41	1.58	9.18	1.62	8.96	1.65	8.74	1.68	8.51	1.71	

## ● Indoor units: 7,000 Btu + 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	4.67	1.81	4.56	1.85	4.45	1.89	4.33	1.92	4.22	1.96
	-10	-11	5.41	1.89	5.28	1.93	5.15	1.97	5.02	2.01	4.89	2.05
	-5	-7	6.06	1.95	5.92	1.99	5.77	2.03	5.63	2.06	5.48	2.06
	0	-2	6.88	1.91	6.72	1.95	6.55	1.99	6.39	2.03	6.22	2.06
	5	3	7.70	1.97	7.52	2.01	7.33	2.05	7.15	2.06	6.97	2.06
	7	6	8.19	1.98	8.00	2.02	7.80	2.06	7.61	2.06	7.41	2.06
	10	8	8.52	1.97	8.31	2.01	8.11	2.05	7.91	2.06	7.71	2.06
	15	10	8.85	1.83	8.63	1.87	8.42	1.91	8.21	1.94	8.00	1.98
20	15	9.17	1.57	8.95	1.61	8.74	1.64	8.52	1.67	8.30	1.71	

## ● Indoor units: 7,000 Btu + 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	4.73	1.80	4.62	1.84	4.50	1.88	4.39	1.91	4.28	1.95
	-10	-11	5.47	1.88	5.34	1.92	5.21	1.96	5.08	2.00	4.95	2.04
	-5	-7	6.14	1.94	5.99	1.98	5.85	2.02	5.70	2.06	5.55	2.06
	0	-2	6.97	1.90	6.80	1.94	6.64	1.98	6.47	2.02	6.30	2.06
	5	3	7.80	1.96	7.61	2.00	7.43	2.04	7.24	2.06	7.05	2.06
	7	6	8.30	1.98	8.10	2.02	7.90	2.06	7.70	2.06	7.51	2.06
	10	8	8.63	1.96	8.42	2.00	8.22	2.04	8.01	2.06	7.81	2.06
	15	10	8.96	1.82	8.75	1.86	8.53	1.90	8.32	1.94	8.11	1.97
20	15	9.29	1.57	9.07	1.60	8.85	1.63	8.63	1.66	8.41	1.70	



## ● Indoor units: 7,000 Btu + 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	4.79	1.81	4.67	1.85	4.56	1.89	4.45	1.92	4.33	1.96
	-10	-11	5.54	1.89	5.41	1.93	5.28	1.97	5.15	2.01	5.02	2.05
	-5	-7	6.22	1.95	6.07	1.99	5.92	2.03	5.77	2.06	5.62	2.06
	0	-2	7.06	1.91	6.89	1.95	6.72	1.99	6.55	2.03	6.38	2.06
	5	3	7.90	1.97	7.71	2.01	7.52	2.05	7.33	2.06	7.14	2.06
	7	6	8.40	1.98	8.20	2.02	8.00	2.06	7.80	2.06	7.60	2.06
	10	8	8.74	1.97	8.53	2.01	8.32	2.05	8.11	2.06	7.90	2.06
	15	10	9.07	1.83	8.86	1.87	8.64	1.91	8.42	1.94	8.21	1.98
20	15	9.41	1.57	9.18	1.61	8.96	1.64	8.74	1.67	8.51	1.71	

## ● Indoor units: 9,000 Btu + 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	4.73	1.80	4.62	1.84	4.50	1.88	4.39	1.91	4.28	1.95
	-10	-11	5.47	1.88	5.34	1.92	5.21	1.96	5.08	2.00	4.95	2.04
	-5	-7	6.14	1.94	5.99	1.98	5.85	2.02	5.70	2.06	5.55	2.06
	0	-2	6.97	1.90	6.80	1.94	6.64	1.98	6.47	2.02	6.30	2.06
	5	3	7.80	1.96	7.61	2.00	7.43	2.04	7.24	2.06	7.05	2.06
	7	6	8.30	1.98	8.10	2.02	7.90	2.06	7.70	2.06	7.51	2.06
	10	8	8.63	1.96	8.42	2.00	8.22	2.04	8.01	2.06	7.81	2.06
	15	10	8.96	1.82	8.75	1.86	8.53	1.90	8.32	1.94	8.11	1.97
20	15	9.29	1.57	9.07	1.60	8.85	1.63	8.63	1.66	8.41	1.70	

## ● Indoor units: 9,000 Btu + 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	4.73	1.79	4.62	1.83	4.50	1.87	4.39	1.90	4.28	1.94
	-10	-11	5.47	1.87	5.34	1.91	5.21	1.95	5.08	1.99	4.95	2.03
	-5	-7	6.14	1.93	5.99	1.97	5.85	2.01	5.70	2.05	5.55	2.06
	0	-2	6.97	1.89	6.80	1.93	6.64	1.97	6.47	2.01	6.30	2.05
	5	3	7.80	1.95	7.61	1.99	7.43	2.03	7.24	2.06	7.05	2.06
	7	6	8.30	1.98	8.10	2.02	7.90	2.06	7.70	2.06	7.51	2.06
	10	8	8.63	1.95	8.42	1.99	8.22	2.03	8.01	2.06	7.81	2.06
	15	10	8.96	1.81	8.75	1.85	8.53	1.89	8.32	1.93	8.11	1.96
20	15	9.29	1.56	9.07	1.59	8.85	1.62	8.63	1.66	8.41	1.69	

## ■ Model: AOYG24LAT3

- 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	2.32	1.06	2.27	1.09	2.21	1.11	2.16	1.13	2.10	1.15
	-10	-11	2.65	1.14	2.59	1.16	2.52	1.19	2.46	1.21	2.40	1.23
	-5	-7	2.77	1.09	2.70	1.11	2.64	1.13	2.57	1.16	2.50	1.18
	0	-2	2.89	1.03	2.82	1.05	2.75	1.08	2.68	1.10	2.61	1.12
	5	3	3.26	0.96	3.18	0.98	3.10	1.00	3.02	1.02	2.95	1.04
	7	6	3.47	0.96	3.38	0.98	3.30	1.00	3.22	1.02	3.14	1.04
	10	8	3.50	1.01	3.42	1.03	3.33	1.05	3.25	1.07	3.17	1.09
	15	10	3.53	0.97	3.45	0.99	3.37	1.01	3.28	1.03	3.20	1.05
20	15	3.47	0.76	3.38	0.78	3.30	0.79	3.22	0.81	3.14	0.83	

### ● 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	2.88	1.29	2.81	1.32	2.74	1.34	2.68	1.37	2.61	1.40
	-10	-11	3.28	1.39	3.20	1.42	3.12	1.44	3.04	1.47	2.97	1.50
	-5	-7	3.46	1.34	3.38	1.37	3.29	1.40	3.21	1.43	3.13	1.46
	0	-2	3.66	1.30	3.57	1.33	3.49	1.35	3.40	1.38	3.31	1.41
	5	3	4.15	1.25	4.05	1.27	3.95	1.30	3.85	1.33	3.75	1.35
	7	6	4.41	1.25	4.31	1.27	4.20	1.30	4.10	1.33	3.99	1.35
	10	8	4.45	1.27	4.35	1.30	4.24	1.33	4.14	1.35	4.03	1.38
	15	10	4.50	1.27	4.39	1.30	4.28	1.32	4.18	1.35	4.07	1.38
20	15	4.41	0.96	4.31	0.98	4.20	1.00	4.10	1.02	3.99	1.04	

### ● 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	3.48	1.67	3.39	1.70	3.31	1.74	3.23	1.77	3.15	1.80
	-10	-11	3.75	1.78	3.66	1.82	3.57	1.86	3.48	1.89	3.39	1.93
	-5	-7	3.95	1.75	3.86	1.78	3.76	1.82	3.67	1.86	3.57	1.89
	0	-2	4.18	1.66	4.08	1.70	3.98	1.73	3.88	1.77	3.78	1.80
	5	3	4.74	1.56	4.62	1.59	4.51	1.62	4.40	1.65	4.29	1.68
	7	6	5.04	1.56	4.92	1.59	4.80	1.62	4.68	1.65	4.56	1.68
	10	8	5.09	1.59	4.97	1.62	4.85	1.65	4.73	1.69	4.61	1.72
	15	10	5.14	1.59	5.02	1.63	4.90	1.66	4.77	1.69	4.65	1.73
20	15	5.04	1.35	4.92	1.38	4.80	1.41	4.68	1.43	4.56	1.46	

### ● 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	3.95	1.71	3.85	1.75	3.76	1.78	3.67	1.82	3.57	1.86
	-10	-11	4.50	1.83	4.39	1.87	4.29	1.91	4.18	1.95	4.07	1.98
	-5	-7	4.78	1.80	4.67	1.84	4.55	1.88	4.44	1.92	4.33	1.95
	0	-2	5.09	1.74	4.97	1.77	4.85	1.81	4.73	1.85	4.61	1.88
	5	3	5.72	1.63	5.59	1.67	5.45	1.70	5.32	1.73	5.18	1.77
	7	6	6.09	1.63	5.95	1.67	5.80	1.70	5.66	1.73	5.51	1.77
	10	8	6.15	1.67	6.00	1.70	5.86	1.74	5.71	1.77	5.57	1.81
	15	10	6.40	1.75	6.24	1.79	6.09	1.83	5.94	1.86	5.79	1.90
20	15	6.09	1.36	5.95	1.39	5.80	1.42	5.66	1.45	5.51	1.48	

## ● Indoor units: 18,000 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	4.68	2.30	4.57	2.35	4.46	2.40	4.35	2.45	4.24	2.50
	-10	-11	5.32	2.39	5.20	2.44	5.07	2.49	4.94	2.54	4.82	2.59
	-5	-7	5.70	2.47	5.56	2.52	5.43	2.57	5.29	2.62	5.16	2.68
	0	-2	6.19	2.33	6.04	2.38	5.89	2.42	5.75	2.47	5.60	2.52
	5	3	7.01	2.30	6.84	2.35	6.67	2.40	6.51	2.45	6.34	2.50
	7	6	7.46	2.30	7.28	2.35	7.10	2.40	6.92	2.45	6.75	2.50
	10	8	7.53	2.36	7.35	2.41	7.17	2.46	6.99	2.51	6.81	2.56
	15	10	7.60	2.30	7.42	2.35	7.24	2.40	7.06	2.45	6.88	2.50
20	15	7.46	1.93	7.28	1.97	7.10	2.01	6.92	2.05	6.75	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	3.85	1.83	3.76	1.87	3.66	1.91	3.57	1.95	3.48	1.99
	-10	-11	4.55	1.95	4.45	1.99	4.34	2.03	4.23	2.07	4.12	2.11
	-5	-7	5.00	1.91	4.88	1.95	4.76	1.99	4.65	2.03	4.53	2.07
	0	-2	5.54	1.72	5.41	1.76	5.28	1.89	5.15	1.83	5.01	1.87
	5	3	6.02	1.80	5.88	1.83	5.73	1.91	5.59	1.91	5.45	1.95
	7	6	6.41	1.85	6.25	1.89	6.10	1.93	5.95	1.97	5.80	2.01
	10	8	6.76	1.89	6.60	1.93	6.44	1.97	6.27	2.01	6.11	2.05
	15	10	7.44	1.91	7.26	1.95	7.09	1.99	6.91	2.03	6.73	2.07
20	15	6.77	1.67	6.61	1.70	6.45	1.74	6.29	1.77	6.12	1.81	

## ● 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	4.31	2.36	4.21	2.41	4.10	2.46	4.00	2.50	3.90	2.55
	-10	-11	5.09	2.50	4.97	2.55	4.85	2.60	4.72	2.66	4.60	2.71
	-5	-7	5.59	2.45	5.46	2.50	5.33	2.55	5.19	2.61	5.06	2.66
	0	-2	6.25	2.21	6.11	2.26	5.96	2.50	5.81	2.35	5.66	2.40
	5	3	6.91	2.31	6.74	2.36	6.58	2.48	6.42	2.45	6.25	2.50
	7	6	7.35	2.42	7.18	2.47	7.00	2.52	6.83	2.57	6.65	2.62
	10	8	7.73	2.23	7.55	2.27	7.36	2.40	7.18	2.32	7.00	2.32
	15	10	7.78	2.23	7.60	2.27	7.41	2.32	7.23	2.32	7.04	2.32
20	15	7.18	1.87	7.01	1.91	6.84	1.95	6.67	1.95	6.50	1.95	

## ● 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	4.58	2.46	4.47	2.51	4.36	2.56	4.25	2.62	4.14	2.67
	-10	-11	5.33	2.61	5.20	2.67	5.08	2.72	4.95	2.78	4.82	2.78
	-5	-7	5.90	2.56	5.76	2.61	5.62	2.67	5.48	2.72	5.34	2.78
	0	-2	6.64	2.31	6.48	2.36	6.32	2.61	6.16	2.46	6.00	2.51
	5	3	7.21	2.41	7.03	2.46	6.86	2.64	6.69	2.56	6.52	2.61
	7	6	7.67	2.55	7.48	2.61	7.30	2.66	7.12	2.71	6.94	2.77
	10	8	8.04	2.23	7.85	2.27	7.66	2.53	7.47	2.32	7.28	2.32
	15	10	8.06	2.23	7.87	2.27	7.68	2.32	7.49	2.32	7.30	2.32
20	15	7.84	1.87	7.66	1.91	7.47	1.95	7.28	1.95	7.10	1.95	

## ● 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	4.90	2.67	4.78	2.72	4.66	2.78	4.55	2.78	4.43	2.78
	-10	-11	5.75	2.67	5.61	2.72	5.47	2.78	5.34	2.78	5.20	2.78
	-5	-7	6.51	2.67	6.35	2.72	6.20	2.78	6.04	2.78	5.89	2.78
	0	-2	7.31	2.49	7.14	2.54	6.97	2.80	6.79	2.65	6.62	2.70
	5	3	8.19	2.60	8.00	2.65	7.80	2.82	7.61	2.78	7.41	2.78
	7	6	8.72	2.76	8.51	2.87	8.30	2.87	8.09	2.87	7.89	2.87
	10	8	9.04	2.23	8.83	2.27	8.61	2.60	8.40	2.32	8.18	2.32
	15	10	8.96	2.23	8.75	2.27	8.53	2.32	8.32	2.32	8.11	2.32
20	15	8.52	1.87	8.32	1.91	8.12	1.95	7.91	1.95	7.71	1.95	

## ● Indoor units: 7,000 Btu + 18,000 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	4.94	2.47	4.82	2.52	4.70	2.58	4.58	2.63	4.47	2.68
	-10	-11	5.79	2.58	5.65	2.63	5.51	2.69	5.38	2.74	5.24	2.78
	-5	-7	6.54	2.67	6.38	2.72	6.23	2.78	6.07	2.78	5.91	2.78
	0	-2	7.38	2.61	7.21	2.66	7.03	2.80	6.86	2.78	6.68	2.78
	5	3	8.23	2.67	8.03	2.72	7.84	2.82	7.64	2.78	7.44	2.78
	7	6	8.72	2.76	8.51	2.87	8.30	2.87	8.09	2.87	7.89	2.87
	10	8	9.03	2.23	8.81	2.27	8.60	2.60	8.38	2.32	8.17	2.32
	15	10	8.98	2.23	8.77	2.27	8.56	2.32	8.34	2.32	8.13	2.32
20	15	8.72	1.87	8.51	1.91	8.30	1.95	8.09	1.95	7.89	1.95	

## ● 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	4.55	2.49	4.44	2.54	4.34	2.59	4.23	2.65	4.12	2.70
	-10	-11	5.35	2.64	5.22	2.70	5.10	2.75	4.97	2.78	4.84	2.78
	-5	-7	5.89	2.59	5.75	2.64	5.61	2.70	5.47	2.75	5.33	2.78
	0	-2	6.60	2.34	6.44	2.39	6.28	2.67	6.12	2.49	5.97	2.53
	5	3	7.30	2.44	7.13	2.49	6.96	2.63	6.78	2.59	6.61	2.64
	7	6	7.77	2.57	7.59	2.63	7.40	2.68	7.22	2.73	7.03	2.79
	10	8	8.17	2.23	7.97	2.27	7.78	2.48	7.59	2.32	7.39	2.32
	15	10	8.26	2.23	8.06	2.27	7.87	2.32	7.67	2.32	7.47	2.32
20	15	7.33	1.87	7.15	1.91	6.98	1.95	6.81	1.95	6.63	1.95	

## ● 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	4.62	2.63	4.51	2.69	4.40	2.74	4.29	2.78	4.18	2.78
	-10	-11	5.44	2.67	5.31	2.72	5.18	2.78	5.05	2.78	4.92	2.78
	-5	-7	6.02	2.67	5.88	2.72	5.74	2.78	5.59	2.78	5.45	2.78
	0	-2	6.79	2.47	6.63	2.52	6.47	2.76	6.30	2.63	6.14	2.68
	5	3	7.60	2.58	7.42	2.63	7.24	2.78	7.06	2.74	6.88	2.78
	7	6	8.09	2.76	7.89	2.87	7.70	2.87	7.51	2.87	7.32	2.87
	10	8	8.39	2.23	8.19	2.27	7.99	2.56	7.79	2.32	7.59	2.32
	15	10	8.44	2.23	8.24	2.27	8.04	2.32	7.84	2.32	7.64	2.32
20	15	7.39	1.87	7.21	1.91	7.03	1.95	6.86	1.95	6.68	1.95	

## ● 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	4.91	2.63	4.79	2.69	4.67	2.74	4.56	2.78	4.44	2.78
	-10	-11	5.76	2.67	5.63	2.72	5.49	2.78	5.35	2.78	5.21	2.78
	-5	-7	6.53	2.67	6.37	2.72	6.22	2.78	6.06	2.78	5.91	2.78
	0	-2	7.35	2.47	7.18	2.52	7.00	2.77	6.83	2.63	6.65	2.68
	5	3	8.22	2.58	8.02	2.63	7.83	2.80	7.63	2.74	7.43	2.78
	7	6	8.72	2.76	8.51	2.87	8.30	2.87	8.09	2.87	7.89	2.87
	10	8	9.09	2.23	8.87	2.27	8.66	2.68	8.44	2.32	8.22	2.32
	15	10	9.05	2.23	8.84	2.27	8.62	2.32	8.40	2.32	8.19	2.32
20	15	8.77	1.87	8.56	1.91	8.35	1.95	8.14	1.95	7.94	1.95	

## ● Indoor units: 9,000 Btu + 18,000 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	4.99	2.46	4.88	2.52	4.76	2.57	4.64	2.62	4.52	2.67
	-10	-11	5.86	2.57	5.72	2.62	5.58	2.68	5.45	2.73	5.31	2.78
	-5	-7	6.63	2.67	6.47	2.72	6.31	2.78	6.15	2.78	6.00	2.78
	0	-2	7.54	2.60	7.36	2.65	7.18	2.80	7.00	2.78	6.82	2.78
	5	3	8.39	2.67	8.19	2.72	7.99	2.82	7.79	2.78	7.59	2.78
	7	6	8.93	2.76	8.71	2.87	8.50	2.87	8.29	2.87	8.08	2.87
	10	8	9.25	2.23	9.03	2.27	8.81	2.68	8.59	2.32	8.37	2.32
	15	10	9.16	2.23	8.94	2.27	8.73	2.32	8.51	2.32	8.29	2.32
20	15	8.93	1.87	8.72	1.91	8.51	1.95	8.29	1.95	8.08	1.95	

● 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	4.66	2.67	4.55	2.72	4.44	2.78	4.33	2.78	4.22	2.78
	-10	-11	5.49	2.67	5.36	2.72	5.23	2.78	5.09	2.78	4.96	2.78
	-5	-7	6.08	2.67	5.94	2.72	5.79	2.78	5.65	2.78	5.50	2.78
	0	-2	6.86	2.49	6.70	2.54	6.53	2.80	6.37	2.65	6.21	2.70
	5	3	7.70	2.60	7.52	2.65	7.34	2.84	7.15	2.78	6.97	2.78
	7	6	8.19	2.76	8.00	2.87	7.80	2.87	7.61	2.87	7.41	2.87
	10	8	8.55	2.23	8.35	2.27	8.15	2.61	7.94	2.32	7.74	2.32
	15	10	8.56	2.23	8.35	2.27	8.15	2.32	7.94	2.32	7.74	2.32
20	15	8.25	1.87	8.05	1.91	7.85	1.95	7.66	1.95	7.46	1.95	

● Indoor units: 12,000 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	4.91	2.47	4.80	2.52	4.68	2.58	4.56	2.63	4.45	2.68
	-10	-11	5.78	2.58	5.64	2.63	5.50	2.69	5.37	2.74	5.23	2.78
	-5	-7	6.55	2.67	6.39	2.72	6.24	2.78	6.08	2.78	5.93	2.78
	0	-2	7.43	2.61	7.25	2.66	7.08	2.79	6.90	2.78	6.72	2.78
	5	3	8.29	2.67	8.09	2.72	7.90	2.80	7.70	2.78	7.50	2.78
	7	6	8.82	2.76	8.61	2.87	8.40	2.87	8.19	2.87	7.98	2.87
	10	8	9.15	2.23	8.93	2.27	8.71	2.55	8.49	2.32	8.28	2.32
	15	10	9.12	2.23	8.90	2.27	8.69	2.32	8.47	2.32	8.25	2.32
20	15	8.83	1.87	8.62	1.91	8.41	1.95	8.20	1.95	7.99	1.95	

● Indoor units: 12,000 Btu + 18,000 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	5.03	2.45	4.91	2.50	4.79	2.55	4.67	2.60	4.55	2.65
	-10	-11	5.91	2.55	5.77	2.61	5.63	2.66	5.49	2.71	5.35	2.78
	-5	-7	6.68	2.63	6.52	2.69	6.37	2.74	6.21	2.78	6.05	2.78
	0	-2	7.61	2.58	7.43	2.63	7.25	2.76	7.07	2.74	6.89	2.78
	5	3	8.49	2.67	8.29	2.72	8.08	2.78	7.88	2.78	7.68	2.78
	7	6	9.03	2.76	8.82	2.87	8.60	2.87	8.39	2.87	8.17	2.87
	10	8	9.41	2.23	9.19	2.27	8.96	2.67	8.74	2.32	8.51	2.32
	15	10	9.31	2.23	9.09	2.27	8.86	2.32	8.64	2.32	8.42	2.32
20	15	9.06	1.87	8.85	1.91	8.63	1.95	8.42	1.95	8.20	1.95	

● Indoor units: 7,000 Btu + 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	4.97	2.32	4.85	2.37	4.73	2.42	4.61	2.46	4.49	2.51
	-10	-11	5.78	2.42	5.64	2.47	5.50	2.52	5.37	2.57	5.23	2.63
	-5	-7	6.55	2.53	6.39	2.58	6.24	2.63	6.08	2.68	5.92	2.74
	0	-2	7.49	2.68	7.32	2.74	7.14	2.79	6.96	2.87	6.78	2.87
	5	3	8.49	2.57	8.29	2.63	8.08	2.68	7.88	2.73	7.68	2.79
	7	6	9.03	2.57	8.82	2.63	8.60	2.68	8.39	2.73	8.17	2.79
	10	8	9.39	2.62	9.17	2.68	8.94	2.73	8.72	2.79	8.50	2.87
	15	10	9.84	2.62	9.61	2.68	9.37	2.73	9.14	2.79	8.91	2.87
20	15	9.03	2.03	8.82	2.07	8.60	2.12	8.39	2.16	8.17	2.20	

● Indoor units: 7,000 Btu + 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	5.08	2.34	4.96	2.39	4.84	2.44	4.72	2.49	4.60	2.54
	-10	-11	5.91	2.46	5.77	2.52	5.63	2.57	5.49	2.62	5.35	2.67
	-5	-7	6.70	2.55	6.54	2.61	6.38	2.66	6.22	2.71	6.06	2.77
	0	-2	7.67	2.76	7.49	2.87	7.30	2.87	7.12	2.87	6.94	2.87
	5	3	8.69	2.76	8.48	2.87	8.27	2.87	8.07	2.87	7.86	2.87
	7	6	9.24	2.76	9.02	2.87	8.80	2.87	8.58	2.87	8.36	2.87
	10	8	9.61	2.76	9.38	2.87	9.15	2.87	8.92	2.87	8.69	2.87
	15	10	10.07	2.67	9.83	2.73	9.59	2.78	9.35	2.87	9.11	2.87
20	15	9.24	2.04	9.02	2.08	8.80	2.12	8.58	2.17	8.36	2.21	

## ● Indoor units: 7,000 Btu + 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	5.14	2.29	5.02	2.33	4.90	2.38	4.77	2.43	4.65	2.48
	-10	-11	5.98	2.40	5.84	2.45	5.70	2.50	5.55	2.55	5.41	2.60
	-5	-7	6.78	2.49	6.61	2.54	6.45	2.60	6.29	2.65	6.13	2.70
	0	-2	7.76	2.69	7.57	2.74	7.39	2.80	7.20	2.87	7.02	2.87
	5	3	8.78	2.69	8.58	2.74	8.37	2.80	8.16	2.87	7.95	2.87
	7	6	9.35	2.69	9.12	2.74	8.90	2.80	8.68	2.87	8.46	2.87
	10	8	9.72	2.69	9.49	2.74	9.26	2.80	9.02	2.87	8.79	2.87
	15	10	10.19	2.61	9.94	2.66	9.70	2.72	9.46	2.77	9.22	2.87
20	15	9.35	1.99	9.12	2.03	8.90	2.07	8.68	2.11	8.46	2.15	

## ● Indoor units: 7,000 Btu + 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	5.31	2.22	5.19	2.27	5.06	2.31	4.93	2.36	4.81	2.41
	-10	-11	6.18	2.34	6.04	2.38	5.89	2.43	5.74	2.48	5.59	2.53
	-5	-7	7.00	2.42	6.84	2.47	6.67	2.52	6.50	2.57	6.34	2.62
	0	-2	8.02	2.61	7.83	2.67	7.64	2.72	7.45	2.77	7.25	2.87
	5	3	9.08	2.61	8.86	2.67	8.65	2.72	8.43	2.77	8.22	2.87
	7	6	9.66	2.61	9.43	2.67	9.20	2.72	8.97	2.77	8.74	2.87
	10	8	10.05	2.61	9.81	2.67	9.57	2.72	9.33	2.77	9.09	2.87
	15	10	10.53	2.53	10.28	2.59	10.03	2.64	9.78	2.69	9.53	2.74
20	15	9.66	1.93	9.43	1.97	9.20	2.01	8.97	2.05	8.74	2.09	

## ● Indoor units: 7,000 Btu + 7,000 Btu + 18,000 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	5.31	2.20	5.19	2.25	5.06	2.30	4.93	2.34	4.81	2.39
	-10	-11	6.18	2.32	6.04	2.37	5.89	2.41	5.74	2.46	5.59	2.51
	-5	-7	7.00	2.40	6.84	2.45	6.67	2.50	6.50	2.55	6.34	2.60
	0	-2	8.02	2.59	7.83	2.65	7.64	2.70	7.45	2.75	7.25	2.87
	5	3	9.08	2.59	8.86	2.65	8.65	2.70	8.43	2.75	8.22	2.87
	7	6	9.66	2.59	9.43	2.65	9.20	2.70	8.97	2.75	8.74	2.87
	10	8	10.05	2.59	9.81	2.65	9.57	2.70	9.33	2.75	9.09	2.87
	15	10	10.53	2.51	10.28	2.57	10.03	2.62	9.78	2.67	9.53	2.72
20	15	9.66	1.92	9.43	1.96	9.20	2.00	8.97	2.04	8.74	2.08	

## ● Indoor units: 7,000 Btu + 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	5.20	2.34	5.07	2.39	4.95	2.44	4.83	2.49	4.70	2.54
	-10	-11	6.05	2.46	5.90	2.52	5.76	2.57	5.62	2.62	5.47	2.67
	-5	-7	6.85	2.55	6.69	2.61	6.53	2.66	6.36	2.71	6.20	2.77
	0	-2	7.84	2.76	7.66	2.87	7.47	2.87	7.28	2.87	7.10	2.87
	5	3	8.88	2.76	8.67	2.87	8.46	2.87	8.25	2.87	8.04	2.87
	7	6	9.45	2.76	9.23	2.87	9.00	2.87	8.78	2.87	8.55	2.87
	10	8	9.83	2.76	9.59	2.87	9.36	2.87	9.13	2.87	8.89	2.87
	15	10	10.30	2.67	10.06	2.73	9.81	2.78	9.56	2.87	9.32	2.87
20	15	9.45	2.04	9.23	2.08	9.00	2.12	8.78	2.17	8.55	2.21	

## ● Indoor units: 7,000 Btu + 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	5.26	2.34	5.13	2.39	5.01	2.44	4.88	2.49	4.75	2.54
	-10	-11	6.12	2.46	5.97	2.52	5.82	2.57	5.68	2.62	5.53	2.67
	-5	-7	6.93	2.55	6.76	2.61	6.60	2.66	6.43	2.71	6.27	2.77
	0	-2	7.93	2.76	7.74	2.87	7.55	2.87	7.36	2.87	7.18	2.87
	5	3	8.98	2.76	8.77	2.87	8.55	2.87	8.34	2.87	8.13	2.87
	7	6	9.56	2.76	9.33	2.87	9.10	2.87	8.87	2.87	8.65	2.87
	10	8	9.94	2.76	9.70	2.87	9.46	2.87	9.23	2.87	8.99	2.87
	15	10	10.41	2.67	10.17	2.73	9.92	2.78	9.67	2.87	9.42	2.87
20	15	9.56	2.04	9.33	2.08	9.10	2.12	8.87	2.17	8.65	2.21	

● Indoor units: 7,000 Btu + 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	5.31	2.22	5.19	2.27	5.06	2.31	4.93	2.36	4.81	2.41
	-10	-11	6.18	2.34	6.04	2.38	5.89	2.43	5.74	2.48	5.59	2.53
	-5	-7	7.00	2.42	6.84	2.47	6.67	2.52	6.50	2.57	6.34	2.62
	0	-2	8.02	2.61	7.83	2.67	7.64	2.72	7.45	2.77	7.25	2.87
	5	3	9.08	2.61	8.86	2.67	8.65	2.72	8.43	2.77	8.22	2.87
	7	6	9.66	2.61	9.43	2.67	9.20	2.72	8.97	2.77	8.74	2.87
	10	8	10.05	2.61	9.81	2.67	9.57	2.72	9.33	2.77	9.09	2.87
	15	10	10.53	2.53	10.28	2.59	10.03	2.64	9.78	2.69	9.53	2.74
20	15	9.66	1.93	9.43	1.97	9.20	2.01	8.97	2.05	8.74	2.09	

● Indoor units: 7,000 Btu + 9,000 Btu + 18,000 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	5.31	2.20	5.19	2.24	5.06	2.29	4.93	2.33	4.81	2.38
	-10	-11	6.18	2.31	6.04	2.36	5.89	2.41	5.74	2.45	5.59	2.50
	-5	-7	7.00	2.39	6.84	2.44	6.67	2.49	6.50	2.54	6.34	2.59
	0	-2	8.02	2.58	7.83	2.64	7.64	2.69	7.45	2.74	7.25	2.80
	5	3	9.08	2.58	8.86	2.64	8.65	2.69	8.43	2.74	8.22	2.80
	7	6	9.66	2.58	9.43	2.64	9.20	2.69	8.97	2.74	8.74	2.80
	10	8	10.05	2.58	9.81	2.64	9.57	2.69	9.33	2.74	9.09	2.80
	15	10	10.53	2.50	10.28	2.56	10.03	2.61	9.78	2.66	9.53	2.71
20	15	9.66	1.91	9.43	1.95	9.20	1.99	8.97	2.03	8.74	2.07	

● Indoor units: 7,000 Btu + 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	5.26	2.34	5.13	2.39	5.01	2.44	4.88	2.49	4.75	2.54
	-10	-11	6.12	2.46	5.97	2.52	5.82	2.57	5.68	2.62	5.53	2.67
	-5	-7	6.93	2.55	6.76	2.61	6.60	2.66	6.43	2.71	6.27	2.77
	0	-2	7.93	2.76	7.74	2.87	7.55	2.87	7.36	2.87	7.18	2.87
	5	3	8.98	2.76	8.77	2.87	8.55	2.87	8.34	2.87	8.13	2.87
	7	6	9.56	2.76	9.33	2.87	9.10	2.87	8.87	2.87	8.65	2.87
	10	8	9.94	2.76	9.70	2.87	9.46	2.87	9.23	2.87	8.99	2.87
	15	10	10.41	2.67	10.17	2.73	9.92	2.78	9.67	2.87	9.42	2.87
20	15	9.56	2.04	9.33	2.08	9.10	2.12	8.87	2.17	8.65	2.21	

● Indoor units: 7,000 Btu + 12,000 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	5.31	2.20	5.19	2.25	5.06	2.30	4.93	2.34	4.81	2.39
	-10	-11	6.18	2.32	6.04	2.37	5.89	2.41	5.74	2.46	5.59	2.51
	-5	-7	7.00	2.40	6.84	2.45	6.67	2.50	6.50	2.55	6.34	2.60
	0	-2	8.02	2.59	7.83	2.65	7.64	2.70	7.45	2.75	7.25	2.87
	5	3	9.08	2.59	8.86	2.65	8.65	2.70	8.43	2.75	8.22	2.87
	7	6	9.66	2.59	9.43	2.65	9.20	2.70	8.97	2.75	8.74	2.87
	10	8	10.05	2.59	9.81	2.65	9.57	2.70	9.33	2.75	9.09	2.87
	15	10	10.53	2.51	10.28	2.57	10.03	2.62	9.78	2.67	9.53	2.72
20	15	9.66	1.92	9.43	1.96	9.20	2.00	8.97	2.04	8.74	2.08	

● Indoor units: 9,000 Btu + 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	5.26	2.34	5.13	2.39	5.01	2.44	4.88	2.49	4.75	2.54
	-10	-11	6.12	2.46	5.97	2.52	5.82	2.57	5.68	2.62	5.53	2.67
	-5	-7	6.93	2.55	6.76	2.61	6.60	2.66	6.43	2.71	6.27	2.77
	0	-2	7.93	2.76	7.74	2.87	7.55	2.87	7.36	2.87	7.18	2.87
	5	3	8.98	2.76	8.77	2.87	8.55	2.87	8.34	2.87	8.13	2.87
	7	6	9.56	2.76	9.33	2.87	9.10	2.87	8.87	2.87	8.65	2.87
	10	8	9.94	2.76	9.70	2.87	9.46	2.87	9.23	2.87	8.99	2.87
	15	10	10.41	2.67	10.17	2.73	9.92	2.78	9.67	2.87	9.42	2.87
20	15	9.56	2.04	9.33	2.08	9.10	2.12	8.87	2.17	8.65	2.21	

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

°CDB			Indoor temperature									
			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	5.31	2.34	5.19	2.39	5.06	2.44	4.93	2.49	4.81	2.54
	-10	-11	6.18	2.46	6.04	2.52	5.89	2.57	5.74	2.62	5.59	2.67
	-5	-7	7.00	2.55	6.84	2.61	6.67	2.66	6.50	2.71	6.34	2.77
	0	-2	8.02	2.76	7.83	2.87	7.64	2.87	7.45	2.87	7.25	2.87
	5	3	9.08	2.76	8.86	2.87	8.65	2.87	8.43	2.87	8.22	2.87
	7	6	9.66	2.76	9.43	2.87	9.20	2.87	8.97	2.87	8.74	2.87
	10	8	10.05	2.76	9.81	2.87	9.57	2.87	9.33	2.87	9.09	2.87
	15	10	10.53	2.67	10.28	2.73	10.03	2.78	9.78	2.87	9.53	2.87
20	15	9.66	2.04	9.43	2.08	9.20	2.12	8.97	2.17	8.74	2.21	

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

°CDB			Indoor temperature									
			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	5.31	2.20	5.19	2.25	5.06	2.30	4.93	2.34	4.81	2.39
	-10	-11	6.18	2.32	6.04	2.37	5.89	2.41	5.74	2.46	5.59	2.51
	-5	-7	7.00	2.40	6.84	2.45	6.67	2.50	6.50	2.55	6.34	2.60
	0	-2	8.02	2.59	7.83	2.65	7.64	2.70	7.45	2.75	7.25	2.87
	5	3	9.08	2.59	8.86	2.65	8.65	2.70	8.43	2.75	8.22	2.87
	7	6	9.66	2.59	9.43	2.65	9.20	2.70	8.97	2.75	8.74	2.87
	10	8	10.05	2.59	9.81	2.65	9.57	2.70	9.33	2.75	9.09	2.87
	15	10	10.53	2.51	10.28	2.57	10.03	2.62	9.78	2.67	9.53	2.72
20	15	9.66	1.92	9.43	1.96	9.20	2.00	8.97	2.04	8.74	2.08	

## ● Indoor units\*: 9,000 Btu + 9,000 Btu + 18,000 Btu

°CDB			Indoor temperature									
			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	5.31	2.19	5.19	2.23	5.06	2.28	4.93	2.32	4.81	2.37
	-10	-11	6.18	2.30	6.04	2.35	5.89	2.40	5.74	2.44	5.59	2.49
	-5	-7	7.00	2.38	6.84	2.43	6.67	2.48	6.50	2.53	6.34	2.58
	0	-2	8.02	2.57	7.83	2.63	7.64	2.68	7.45	2.73	7.25	2.79
	5	3	9.08	2.57	8.86	2.63	8.65	2.68	8.43	2.73	8.22	2.79
	7	6	9.66	2.57	9.43	2.63	9.20	2.68	8.97	2.73	8.74	2.79
	10	8	10.05	2.57	9.81	2.63	9.57	2.68	9.33	2.73	9.09	2.79
	15	10	10.53	2.50	10.28	2.55	10.03	2.60	9.78	2.65	9.53	2.70
20	15	9.66	1.90	9.43	1.94	9.20	1.98	8.97	2.02	8.74	2.06	

\*: When ASBG18LFCA is connected, 9,000 Btu model shall be chosen at least one compact wall mounted type or more.

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

°CDB			Indoor temperature									
			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	5.31	2.29	5.19	2.33	5.06	2.38	4.93	2.43	4.81	2.48
	-10	-11	6.18	2.40	6.04	2.45	5.89	2.50	5.74	2.55	5.59	2.60
	-5	-7	7.00	2.49	6.84	2.54	6.67	2.60	6.50	2.65	6.34	2.70
	0	-2	8.02	2.69	7.83	2.74	7.64	2.80	7.45	2.87	7.25	2.87
	5	3	9.08	2.69	8.86	2.74	8.65	2.80	8.43	2.87	8.22	2.87
	7	6	9.66	2.69	9.43	2.74	9.20	2.80	8.97	2.87	8.74	2.87
	10	8	10.05	2.69	9.81	2.74	9.57	2.80	9.33	2.87	9.09	2.87
	15	10	10.53	2.61	10.28	2.66	10.03	2.72	9.78	2.77	9.53	2.87
20	15	9.66	1.99	9.43	2.03	9.20	2.07	8.97	2.11	8.74	2.15	

## ● Indoor units: 9,000 Btu + 12,000 Btu + 14,000 Btu

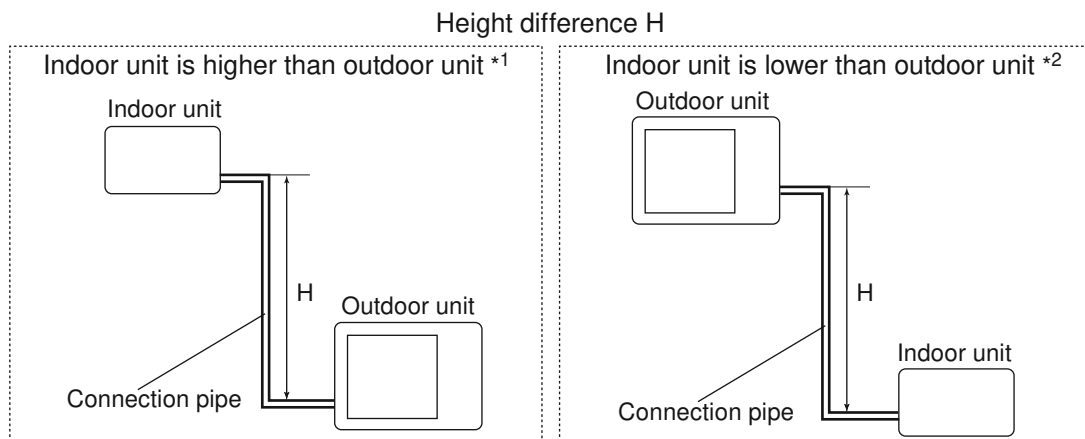
°CDB			Indoor temperature									
			16		18		20		22		24	
Outdoor temperature	°CDB	°CWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
	-15	-16	5.31	2.20	5.19	2.24	5.06	2.29	4.93	2.33	4.81	2.38
	-10	-11	6.18	2.31	6.04	2.36	5.89	2.41	5.74	2.45	5.59	2.50
	-5	-7	7.00	2.39	6.84	2.44	6.67	2.49	6.50	2.54	6.34	2.59
	0	-2	8.02	2.58	7.83	2.64	7.64	2.69	7.45	2.74	7.25	2.80
	5	3	9.08	2.58	8.86	2.64	8.65	2.69	8.43	2.74	8.22	2.80
	7	6	9.66	2.58	9.43	2.64	9.20	2.69	8.97	2.74	8.74	2.80
	10	8	10.05	2.58	9.81	2.64	9.57	2.69	9.33	2.74	9.09	2.80
	15	10	10.53	2.50	10.28	2.56	10.03	2.61	9.78	2.66	9.53	2.71
20	15	9.66	1.91	9.43	1.95	9.20	1.99	8.97	2.03	8.74	2.07	



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

			Indoor temperature									
			°CDB		16		18		20		22	
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	5.31	2.27	5.19	2.32	5.06	2.36	4.93	2.41	4.81	2.46
	-10	-11	6.18	2.39	6.04	2.44	5.89	2.49	5.74	2.54	5.59	2.59
	-5	-7	7.00	2.47	6.84	2.53	6.67	2.58	6.50	2.63	6.34	2.68
	0	-2	8.02	2.67	7.83	2.72	7.64	2.78	7.45	2.87	7.25	2.87
	5	3	9.08	2.67	8.86	2.72	8.65	2.78	8.43	2.87	8.22	2.87
	7	6	9.66	2.67	9.43	2.72	9.20	2.78	8.97	2.87	8.74	2.87
	10	8	10.05	2.67	9.81	2.72	9.57	2.78	9.33	2.87	9.09	2.87
	15	10	10.53	2.59	10.28	2.64	10.03	2.70	9.78	2.75	9.53	2.87
20	15	9.66	1.97	9.43	2.02	9.20	2.06	8.97	2.10	8.74	2.14	

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



### 7-1. Models: AOYG18LAT3 and AOYG24LAT3

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

#### ■ Indoor unit: 7,000 Btu

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

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

## ■ Indoor unit: 9,000 Btu

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

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

## ■ Indoor unit: 12,000 Btu

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

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

## ■ Indoor unit: 14,000 Btu

COOLING			Pipe length (m)					
			5	7.5	10	15	20	25
Height difference H (m)	Indoor unit is higher than outdoor unit *1	15	—	—	—	0.969	0.962	0.953
		10	—	—	0.982	0.977	0.970	0.961
		7.5	—	0.988	0.986	0.981	0.973	0.965
		5	0.994	0.992	0.990	0.985	0.977	0.968
	Indoor unit is lower than outdoor unit *2	0	1.002	1.000	0.998	0.993	0.985	0.976
		-5	1.002	1.000	0.998	0.993	0.985	0.976
		-7.5	—	1.000	0.998	0.993	0.985	0.976
		-10	—	—	0.998	0.993	0.985	0.976
		-15	—	—	—	0.993	0.985	0.976

HEATING			Pipe length (m)					
			5	7.5	10	15	20	25
Height difference H (m)	Indoor unit is higher than outdoor unit *1	15	—	—	—	0.967	0.943	0.917
		10	—	—	0.990	0.967	0.943	0.917
		7.5	—	1.000	0.990	0.967	0.943	0.917
		5	1.010	1.000	0.990	0.967	0.943	0.917
	Indoor unit is lower than outdoor unit *2	0	1.010	1.000	0.990	0.967	0.943	0.917
		-5	1.005	0.995	0.985	0.962	0.938	0.912
		-7.5	—	0.993	0.983	0.960	0.936	0.911
		-10	—	—	0.980	0.957	0.934	0.908
		-15	—	—	—	0.952	0.929	0.903

## ■ Indoor unit: 18,000 Btu

COOLING			Pipe length (m)					
			5	7.5	10	15	20	25
Height difference H (m)	Indoor unit is higher than outdoor unit *1	15	—	—	—	0.977	0.968	0.953
		10	—	—	0.986	0.985	0.976	0.960
		7.5	—	0.988	0.990	0.989	0.980	0.964
		5	0.989	0.992	0.994	0.993	0.984	0.968
	Indoor unit is lower than outdoor unit *2	0	0.997	1.000	1.002	1.002	0.992	0.976
		-5	0.997	1.000	1.002	1.002	0.992	0.976
		-7.5	—	1.000	1.002	1.002	0.992	0.976
		-10	—	—	1.002	1.002	0.992	0.976
		-15	—	—	—	1.002	0.992	0.976

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

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## 8. Additional charge calculation

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### 8-1. Models: AOYG18LAT3 and AOYG24LAT3

Refrigerant type		R410A
Refrigerant amount	g	2,200

#### ■ Refrigerant charge

Total pipe length	m	30 or less	40	50 (Max.)	20 g/m
Additional charge	g	0	200	400	

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## 9. Airflow

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### 9-1. Model: AOYG18LAT3

#### ● Cooling

m <sup>3</sup> /h	3,050
l/s	847
CFM	1,795

#### ● Heating

m <sup>3</sup> /h	2,750
l/s	764
CFM	1,618

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### 9-2. Model: AOYG24LAT3

#### ● Cooling

m <sup>3</sup> /h	3,300
l/s	917
CFM	1,942

#### ● Heating

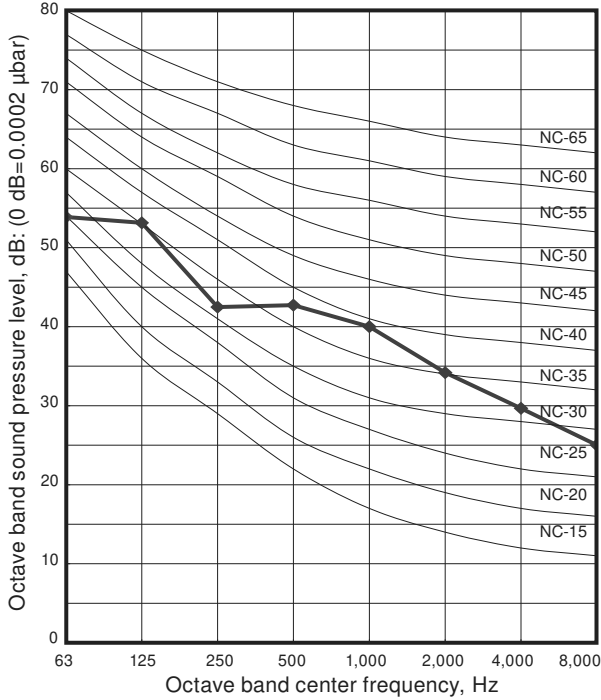
m <sup>3</sup> /h	3,300
l/s	917
CFM	1,942

# 10. Operation noise (sound pressure)

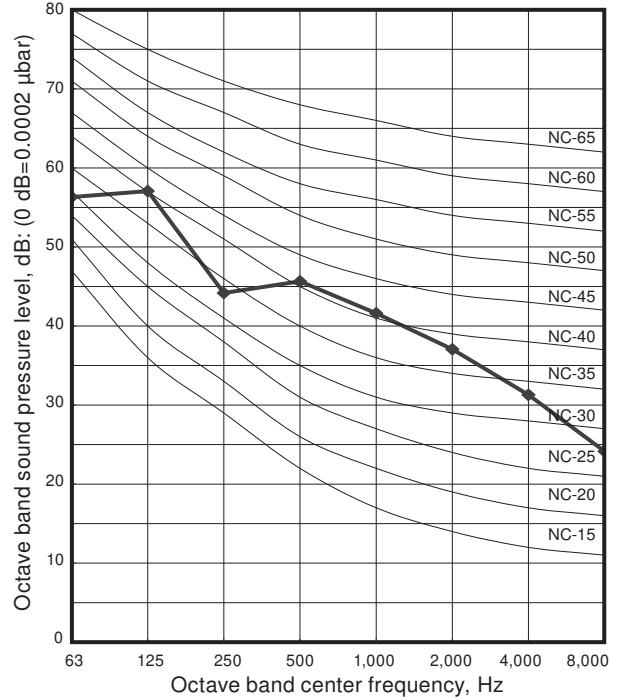
## 10-1. Noise level curve

### ■ Model: AOYG18LAT3

#### ● Cooling

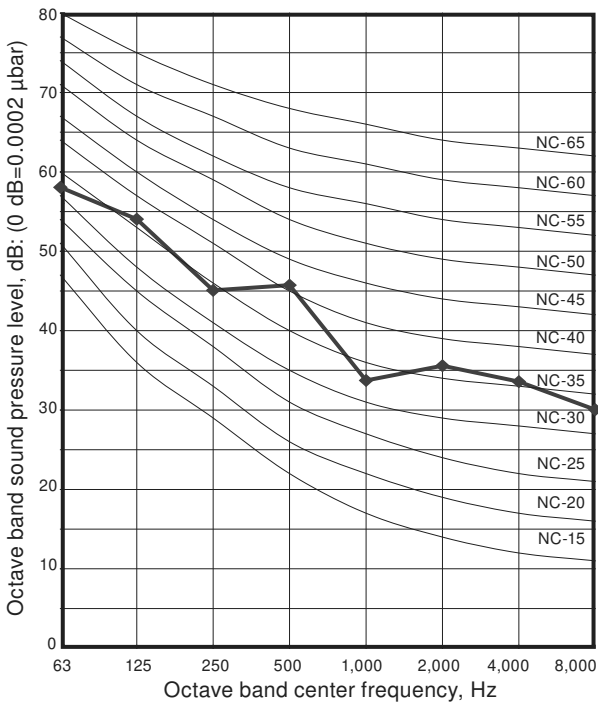


#### ● Heating

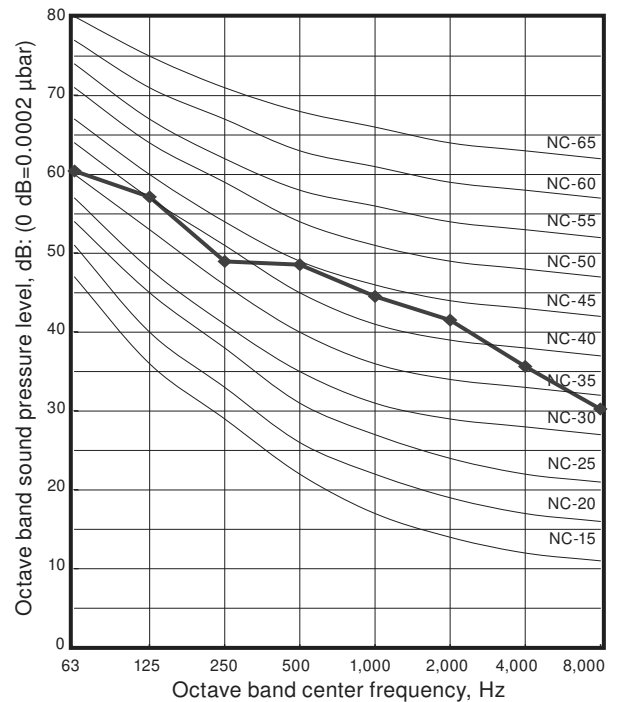


### ■ Model: AOYG24LAT3

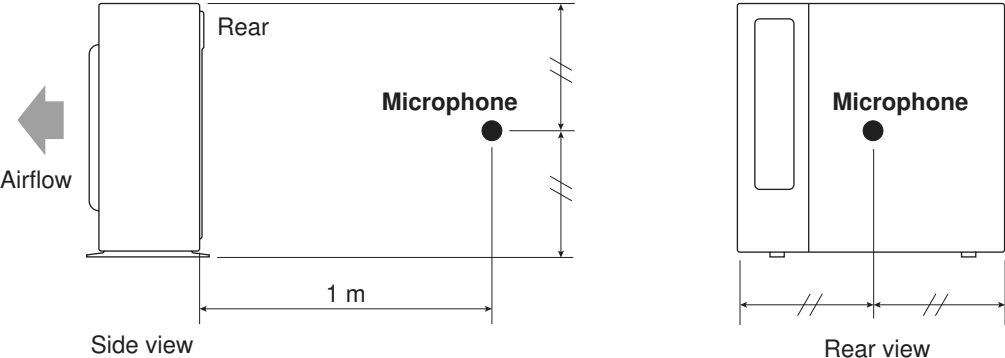
#### ● Cooling



#### ● 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			AOYG18LAT3	AOYG24LAT3
Power supply	Voltage	V	230 ~	
	Frequency	Hz	50	
Maximum operating current *1		A	9.0	12.5
Starting current		A	7.1	8.8
Wiring spec. *2	Main fuse (Circuit breaker) current	A	25	
	Power cable	mm <sup>2</sup>	4.0	
	Limited wiring length *3	m	15	

\*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	
			AOYG18LAT3	AOYG24LAT3
Circuit protection	Current fuse (Main PCB)		250 V, 5 A	250 V, 3.15 A
	Current fuse (Near the terminal to power supply)		250 V, 25 A	
	Current fuse (Near the terminal to indoor unit)		250 V, 10 A	
Fan motor protection	Temperature thermistor	Activate	130 ±20 °C	Fan motor stop
		Reset	100 ±20 °C	Fan motor restart
Compressor protection	Temperature thermistor	Activate	110 °C	Compressor stop
		Reset	80 °C	Compressor restart
High pressure protection	Pressure switch 1	Activate	4.2 ±0.1 MPa	
		Reset	3.2 ±0.15 MPa	

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

## 13. Accessories

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

## 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 323.
- 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.