

AIRSTAGE

AIR CONDITIONER

**Eco-range Multi-split
Outdoor Unit**

FUJITSU

REFRIGERANT **R32**
INVERTER

DESIGN & TECHNICAL MANUAL



AOEH14KACB2
AOEH18KACB2



AOEH18KACB3

FUJITSU GENERAL LIMITED

DR_MU039ES_01
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Notices:

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

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Part 1.



GENERAL INFORMATION

1. Model lineup

Refer to the following table for the multi-split outdoor unit and the connectable indoor units.

For the indoor unit's technical information, refer to the *Design & Technical Manual* for the multi-split indoor units.

●: Connectable, —: Not connectable

Eco-range multi-split				
Indoor unit		Outdoor unit		
		2-unit		3-unit
				
Type	Model	AOEH14KACB2	AOEH18KACB2	AOEH18KACB3
Wall mounted	ASEH07KLTBL	●	●	●
	ASEH09KLTBL	●	●	●
	ASEH12KLTBL	●	●	●

1-1. Indoor unit connection patterns

Refer to the following table for the combinations of indoor unit capacities connected to each outdoor unit.

2-unit multi-split outdoor unit (Eco range): AOEH14KACB2			
Combination no.	Indoor unit		Total
	Unit 1	Unit 2	
	(kBtu class)		
1	7	7	14
2	7	9	16
3	7	12	19
4	9	9	18
5	9	12	21

2-unit multi-split outdoor unit (Eco range): AOEH18KACB2			
Combination no.	Indoor unit		Total
	Unit 1	Unit 2	
	(kBtu class)		
1	7	7	14
2	7	9	16
3	7	12	19
4	9	9	18
5	9	12	21
6	12	12	24

3-unit multi-split outdoor unit (Eco range): AOEH18KACB3				
Combination no.	Indoor unit			Total
	Unit 1	Unit 2	Unit 3	
	(kBtu class)			
1	7	7	—	14
2	7	9	—	16
3	7	12	—	19
4	9	9	—	18
5	9	12	—	21
6	12	12	—	24
7	7	7	7	21
8	7	7	9	23
9	7	7	12	26
10	7	9	9	25
11	7	9	12	28
12	9	9	9	27
13	9	9	12	30

Connectable indoor unit:

Eco-range multi-split dedicated models (ASEH07–12KLTBL) only.

2. Optional parts (for indoor unit)

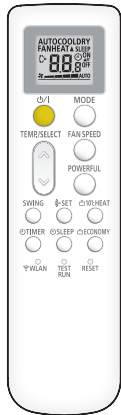
2-1. Controllers

■ Lineup

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

Indoor unit type	Type
	Wireless Remote Controller
	UTY-LNWX
Wall mounted	○

■ Parts

Exterior	Part name	Model name	Summary
	Wireless Remote Controller	UTY-LNWX	Unit control is performed by Wireless Remote Controller.

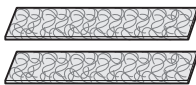
2-2. Others

■ Lineup

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

Indoor unit type	Type
	Air Cleaning Filter
	UTR-FA16-5
Wall mounted	○

■ Parts

Exterior	Part name	Model name	Summary
	Air Cleaning Filter	UTR-FA16-5	Air Cleaning Filter can be mounted to the indoor unit. (For antibacterial)

3. Indoor unit installation precautions

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

3-1. Places where prohibited for use

- Places where there is a danger of combustible gas leakage.
- Places where sulfur gas, chlorine gas, acid, alkali, or other matter which effects equipment is generated.
- Places where there is a lot of oil splash and steam such as kitchen or machinery room.
- Places where machinery which generates high frequencies is used.
- Ocean beaches and other areas where there is a lot of salt.
- Places where carbon fibers or any kind of powder suspended in the air.
- Inside of vehicles, ships, and other conveyances.
- Places where voltage fluctuations are large such as a factory.

3-2. Points to remember when installing

- The product shall be installed at a place which can withstand the weight and vibration of the indoor.
- To allow maintenance after refrigerant piping, drain piping, and the connection/installation of electric wiring, provide an maintenance space and an inspection port, as required.
For the required clearance, refer to the "Dimensions" on the indoor units' *Design & Technical Manual*.
- Be careful when installing the unit at the following places.

Condition	Contents	Countermeasures (Reference)
When the airflow distribution is poor.	When an indoor unit is installed in a position where the outlet airflow will directly contact people, a draft may be felt. In addition, when there are obstructions in the path of the intake and outlet airflow, the air distribution may become extremely bad.	<ol style="list-style-type: none"> 1. Adjust the louver fins or take other measures matched to the site. 2. Change the indoor unit outlet.
When the remote controller installation site is bad.	If the cold or warm air blown out from the air conditioner directly contacts the thermostat section of the remote controller, the outlet temperature of the air conditioner may be sensed and room temperature control will be different from the room temperature, and "not cooled" or "not heated" or other trouble may occur. In addition, there is the possibility that the same kind of trouble may also occur when the remote controller is effected by direct sunlight.	<ol style="list-style-type: none"> 1. Install the remote controller where it will not be directly exposed to the cold or hot air. 2. Install the remote controller where it will not be directly exposed to sunlight or strong lighting.
When using the wireless remote controller.	Signals may not be received when using it in a room illuminated by an inverter fluorescent lamp.	Turn on the fluorescent lamp and check if the indoor unit receives the signals from the remote controller. If the indoor unit does not receive the signals, consult an authorized service personnel.
When installing the inverter type.	It may generate noise in TV sets, stereos and PCs.	The inverter type should be installed at a sufficient distance from these equipments.

4. Outdoor unit installation precautions

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

4-1. Places where prohibited for use

- Places where there is a danger of combustible gas leakage.
- Places where sulfur gas, chlorine gas, acid, alkali, or other matter which effects equipment is generated.
- Places affected by heat radiation from other heat sources.
- Places where the air is 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 large such as a factory.

4-2. 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 the connection/installation of electric wiring, provide an maintenance space.
Maintenance space is shown in "[Installation space](#)" on page 13.
- 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"> 1. Install a soundproof barrier. 2. Change the installation site.
When there is the possibility of strong wind.	<ul style="list-style-type: none"> • If the outdoor unit is exposed to strong wind, capacity may drop, frost may form during heating, and operation may be stopped by high pressure rise. In addition, when a very strong wind blows, the fan may be damaged. • When a very strong wind blows, there is the possibility of the outdoor unit being toppled over if held only by foundation bolts. 	<ol style="list-style-type: none"> 1. Install the outdoor unit with keeping a sufficient distance between the outlet side of the unit and a facing wall or fence. 2. Make the outlet direction and wind direction perpendicular. 3. Fasten the outdoor unit using toppling prevention hardware (purchased locally).
When snow accumulates.	If the outdoor unit is covered by accumulated snow, it may not be able to operate.	<ol style="list-style-type: none"> 1. Make the foundation as high as possible. 2. Perform snow prevention work.
When installing the inverter type.	It may generate noise in TV sets, stereos and PCs.	The inverter type should be installed at a sufficient distance from these equipments.

Part 2. OUTDOOR UNIT

ECO-RANGE MULTI-SPLIT TYPE:

AOEH14KACB2

AOEH18KACB2

AOEH18KACB3

1. Specifications

Type				Inverter, Heat pump		
Model name				AOEH14KACB2	AOEH18KACB2	
Power supply				230 V~ 50 Hz		
Power supply intake				Outdoor unit		
Available voltage range				198—264 V		
Connectable indoor unit	Number	Min.	Btu/h	2		
		Max.		2		
	Total capacity range	Min.		14,000		
		Max.		21,000	24,000	
Standard combination of indoor unit				Wall mounted ASEH07KLTBL × 2	Wall mounted ASEH09KLTBL × 2	
Capacity	Cooling	Rated	kW	4.0	5.0	
			Btu/h	13,600	17,000	
		Min.—Max.	kW	1.4—4.4	1.4—5.2	
			Btu/h	4,700—15,000	4,700—17,700	
	Heating	Rated	kW	4.2	5.3	
			Btu/h	14,300	18,000	
		Min.—Max.	kW	1.1—4.8	1.1—6.0	
			Btu/h	3,700—16,400	3,700—20,400	
Input power	Cooling	Rated	kW	1.02	1.47	
				Max.	1.25	1.63
	Heating	Rated		0.97	1.42	
				Max.	1.40	1.80
Current	Cooling	Rated	A	4.9	6.9	
	Heating	Rated		4.8	6.6	
EER	Cooling	Rated	kW/kW	3.92	3.40	
COP	Heating	Rated		4.33	3.73	
Power factor	Cooling	Rated	%	90.5	92.6	
	Heating	Rated		87.9	93.5	
Maximum operating current *1				A	10.9	
Starting current				A	4.9	
Fan	Airflow rate	Cooling	m ³ /h	1,680	1,710	
		Heating		1,900	1,840	
	Type × Qty	Propeller × 1				
	Motor output	W				
Sound pressure level *2	Cooling	dB (A)	47	49		
	Heating		51	52		
Sound power level	Cooling		60	62		
	Heating		63	64		
Heat exchanger type	Dimensions (H × W × D)		mm	Main 1: 504 × 888 × 18.19	Main 1: 504 × 881 × 18.19	
	Fin pitch				Main 1: 504 × 510 × 18.19	Main 2: 504 × 851 × 18.19
	Rows × Stages			Main 1: 1.3	Main 2: 1.3	
	Pipe type			Main 1: 1 × 24	Main 2: 1 × 24	
	Fin type		Type (Material)	Copper tube		
			Surface treatment	Aluminum Blue fin		
Compressor	Type		DC rotary			
	Motor output		W	900		
Refrigerant	Type (Global warming potential)		R32 (675)			
	Charge		g	800	900	
Refrigerant oil	Type		RB68A			
	Amount		cm ³	340		
Enclosure	Material		Steel sheet			
	Color		Beige Approximate color of Munsell 10YR 7.5/1.0			
Dimensions (H × W × D)	Net		mm	542 × 799 × 290		
	Gross			602 × 940 × 375		
Weight	Net		kg	32	33	
	Gross			36	37	
Connection pipe	Size × Qty	Liquid	mm (in)	Ø6.35 (Ø1/4) × 2		
		Gas		Ø9.52 (Ø3/8) × 2		
	Method		Flare			
	Pre-charge length		20			
	Min. length	Total	5			
		Each	2.5			
	Max. length	Total	30			
		Each	20			
	Maximum height difference between outdoor unit and each indoor units			15		
	Maximum height difference between indoor units			10		
Additional charge			g/m	20		
Operation range	Cooling		°C	-10 to 50 *3		
	Heating			-15 to 24		
Drain hose	Material		Polypropylene			
	Tip diameter		mm	Ø13.0 (I.D.), Ø16.0 to Ø16.8 (O.D.)		

Type	Inverter, Heat pump	
Model name	AOEH14KACB2	AOEH18KACB2
<p>NOTES:</p> <ul style="list-style-type: none"> • Specifications are based on the following conditions: <ul style="list-style-type: none"> – Power source of specifications: 230 V – Pipe length: 5.0 m, Height difference: 0 m [Outdoor unit—Indoor unit] – Cooling: Indoor temperature of 27.0°CDB/19.0°CWB, and outdoor temperature of 35.0°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 <ul style="list-style-type: none"> – Measured values in manufacturer's semi-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: Suction temperature of the outdoor unit. • For other combination, refer to the combination table. • The protective function might work when using it outside the operation range. 		

Type				Inverter, Heat pump	
Model name				AOEH18KACB3	
Power supply				230 V~ 50 Hz	
Power supply intake				Outdoor unit	
Available voltage range				198—264 V	
Connectable indoor unit	Number	Min.	Btu/h	2	
		Max.		3	
	Total capacity range	Min.		14,000	
		Max.		30,000	
Standard combination of indoor unit				Wall mounted ASEH07KLTBL × 3	
Capacity	Cooling	Rated	kW	5.3	
			Btu/h	18,000	
		Min.—Max.	kW	1.8—6.6	
	Heating	Rated	Btu/h	6,100—22,500	
			kW	6.4	
		Min.—Max.	kW	1.7—7.8	
				Btu/h	5,800—26,600
Input power	Cooling	Rated	kW	1.27	
		Max.		1.91	
	Heating	Rated		1.48	
		Max.		2.35	
Current	Cooling	Rated	A	5.7	
	Heating	Rated		6.6	
EER	Cooling	Rated	kW/kW	4.17	
COP	Heating	Rated		4.32	
Power factor	Cooling	Rated	%	96.9	
	Heating	Rated		97.5	
Maximum operating current *1				A	12.0
Starting current				A	6.6
Fan	Airflow rate	Cooling	m ³ /h	2,220	
		Heating		2,340	
	Type × Qty			Propeller × 1	
	Motor output			W	
Sound pressure level *2	Cooling	dB (A)	45		
	Heating		47		
Sound power level	Cooling		50		
	Heating		61		
				63	
Heat exchanger type	Dimensions (H × W × D)		mm	Main 1: 672 × 881 × 18.19	
				Main 2: 672 × 851 × 18.19	
	Fin pitch		Main 1: 1.3		
			Main 2: 1.3		
	Rows × Stages		Main 1: 1 × 32		
			Main 2: 1 × 32		
Pipe type				Copper tube	
Fin type	Type (Material)		Aluminum		
	Surface treatment		Blue fin		
Compressor	Type			DC rotary	
	Motor output			W	
Refrigerant	Type (Global warming potential)			R32 (675)	
	Charge			g	
Refrigerant oil	Type			RmM68EA	
	Amount			cm ³	
Enclosure	Material			Steel sheet	
	Color			Beige	
				Approximate color of Munsell 10YR 7.5/1.0	
Dimensions (H × W × D)	Net		mm	716 × 820 × 315	
	Gross			890 × 1,027 × 445	
Weight	Net		kg	44	
	Gross			53	
Connection pipe	Size × Qty	Liquid	mm (in)	Ø6.35 (Ø1/4) × 3	
		Gas		Ø9.52 (Ø3/8) × 3	
	Method			Flare	
	Pre-charge length			30	
	Min. length	Total		10	
		Each		2.5	
	Max. length	Total		50	
		Each		25	
	Maximum height difference between outdoor unit and each indoor units			15	
	Maximum height difference between indoor units			10	
Additional charge			g/m		
				20	
Operation range	Cooling	°C	-10 to 50 *3		
	Heating		-15 to 24		
Drain hose	Material			Polypropylene	
	Tip diameter			mm	
				Ø13.0 (I.D.), Ø16.0 to Ø16.8 (O.D.)	
NOTES:					
• Specifications are based on the following conditions:					
– Power source of specifications: 230 V					
– Pipe length: 5.0 m, Height difference: 0 m [Outdoor unit—Indoor unit]					
– Cooling: Indoor temperature of 27.0°CDB/19.0°CWB, and outdoor temperature of 35.0°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 semi-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: Suction temperature of the outdoor unit.					
• For other combination, refer to the combination table.					
• The protective function might work when using it outside the operation range.					

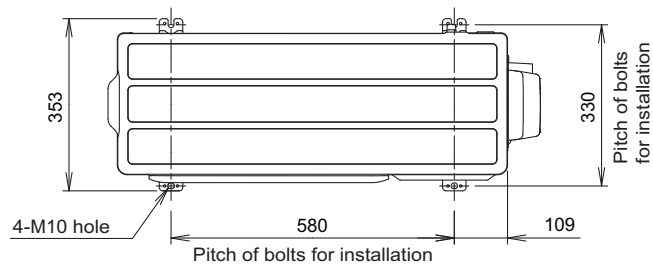
2. Dimensions

2-1. Models: AOEH14KACB2 and AOEH18KACB2

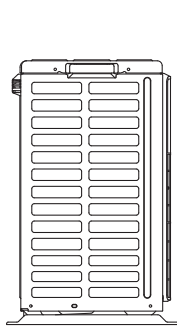
Unit: mm

OUTDOOR UNIT
AOEH14-18KACB*

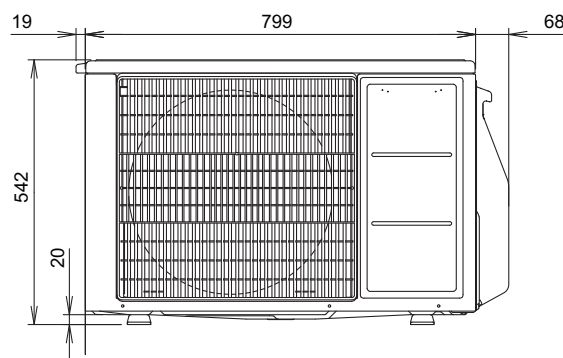
OUTDOOR UNIT
AOEH14-18KACB*



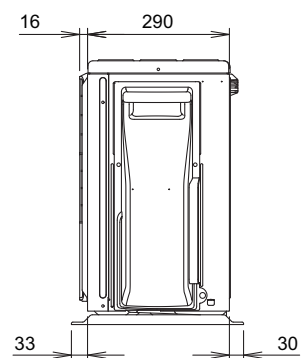
Top view



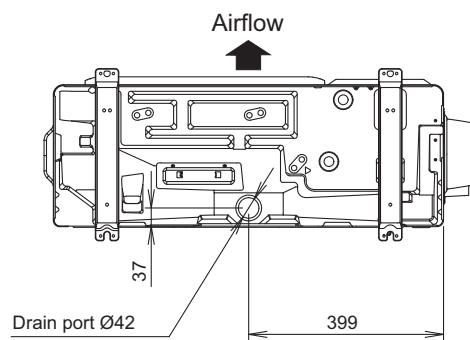
Side view



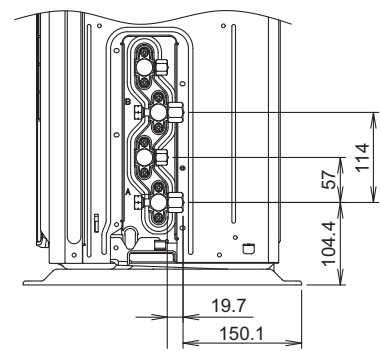
Front view



Side view



Bottom view



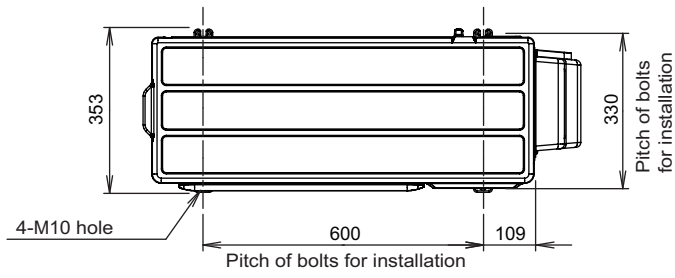
Side view (Valve part)

2-2. Model: AOEH18KACB3

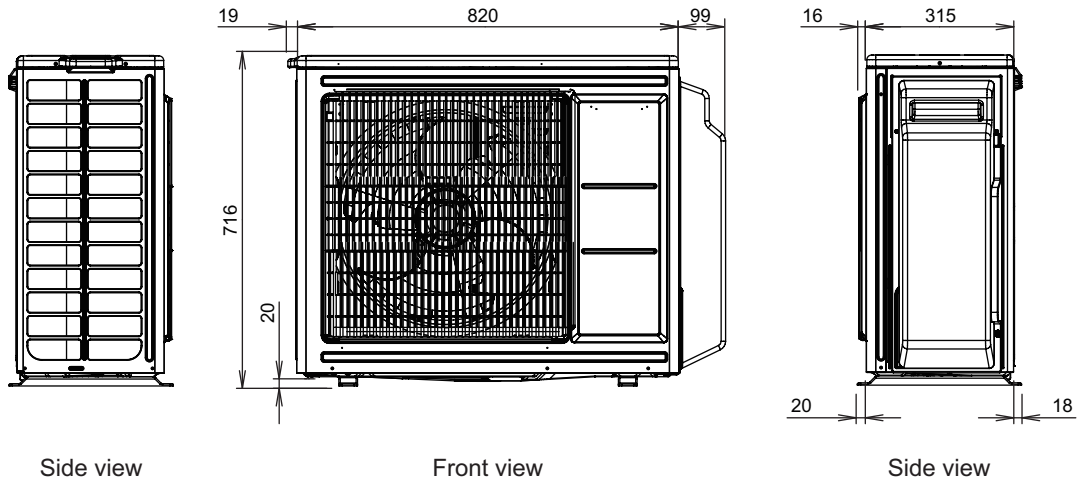
Unit: mm

OUTDOOR UNIT
AOEH14~18KACB*

OUTDOOR UNIT
AOEH14~18KACB*



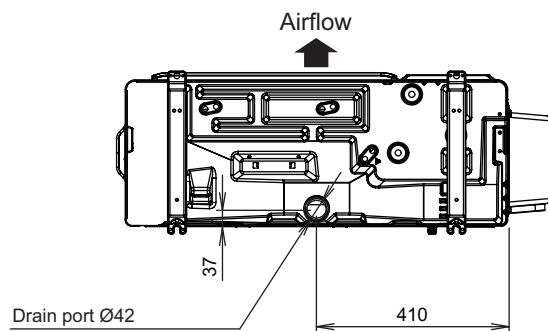
Top view



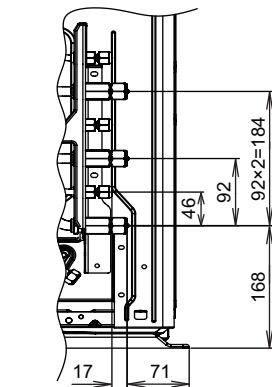
Side view

Front view

Side view



Bottom view



Side view (Valve part)

3. Installation space

3-1. Models: AOEH14KACB2, AOEH18KACB2, and AOEH18KACB3

■ Space requirement

Provide sufficient installation space for product safety.

⚠ CAUTION

Keep the space shown in the installation examples.

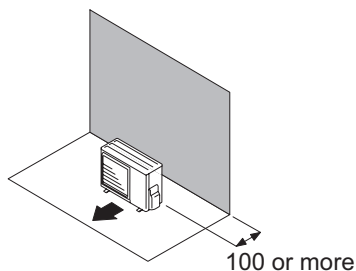
If the installation is not performed accordingly, it could cause a short circuit and result in a lack of operating performance.

● Single outdoor unit installation

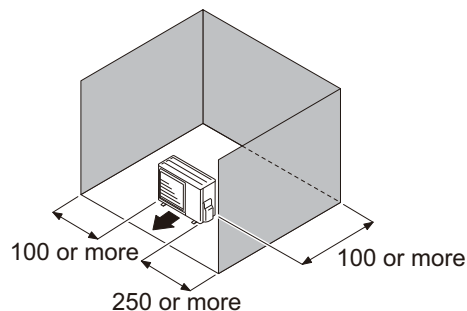
- When the upper space is open:

Unit: mm

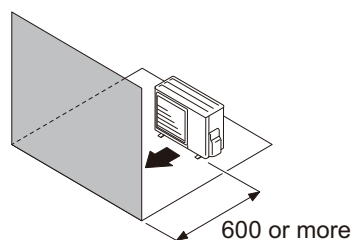
Obstacles at rear only



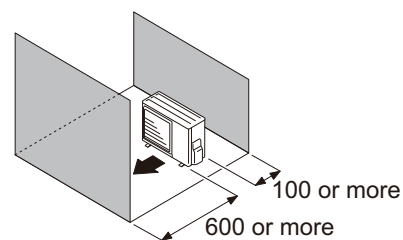
Obstacles at rear and sides



Obstacles at front



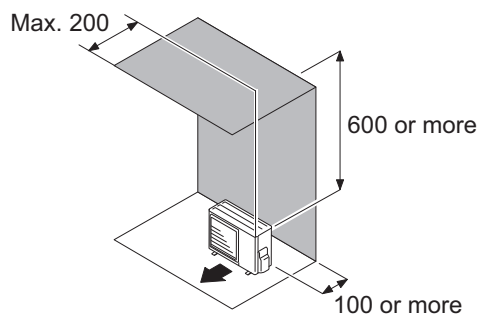
Obstacles at front and rear



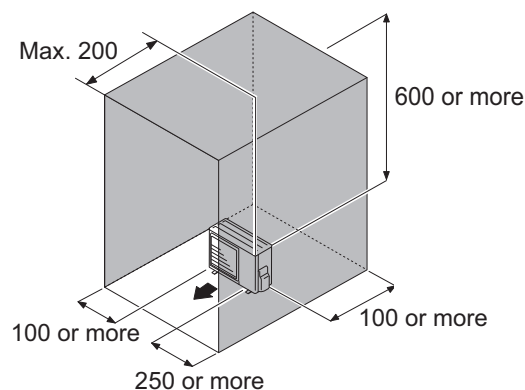
- When an obstruction in the upper space:

Unit: mm

Obstacles at rear and above



Obstacles at rear, sides, and above

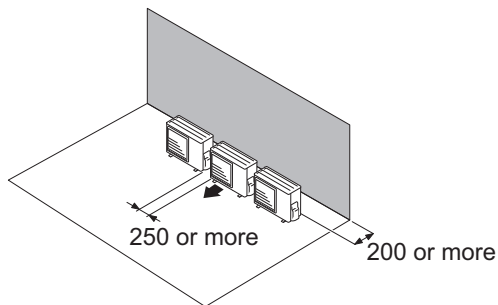


● Multiple outdoor unit installation

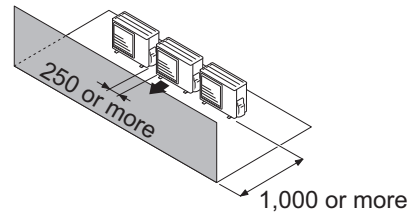
- Provide at least 250 mm of space between the outdoor units if multiple units are installed.
- When routing the piping from the side of an outdoor unit, provide space for piping.
- No more than 3 units must be installed side by side.
When 4 units or more are arranged in a line, provide the space as shown in the following example **“When an obstruction in the upper space:”**.
- **When the upper space is open:**

Unit: mm

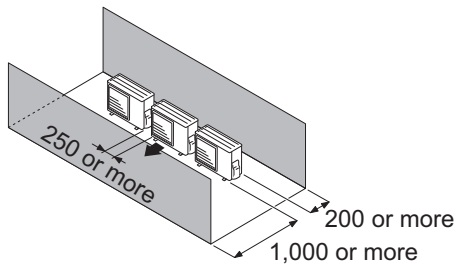
Obstacles at rear only



Obstacles at front only



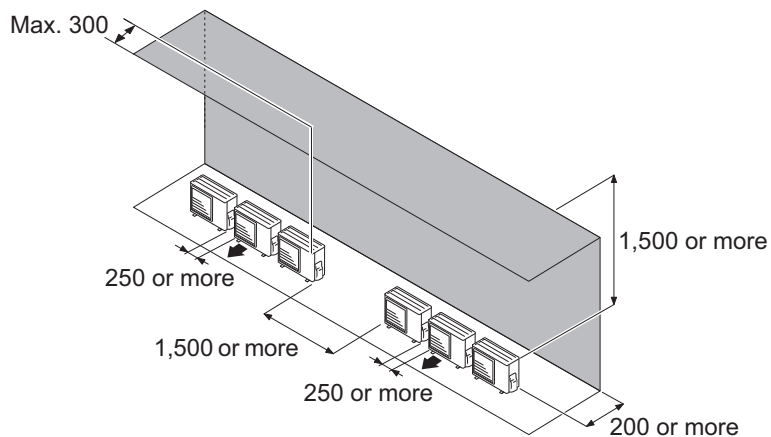
Obstacles at front and rear



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

Unit: mm

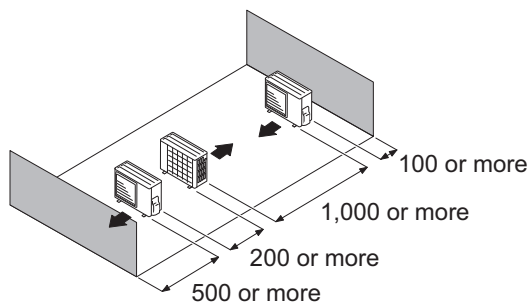
Obstacles at rear and above.



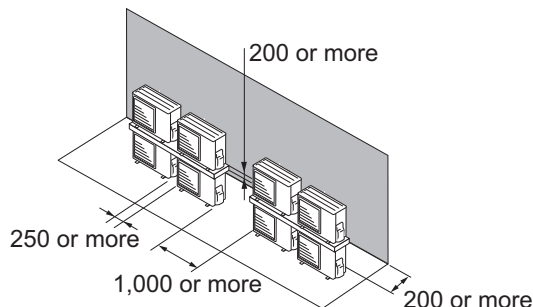
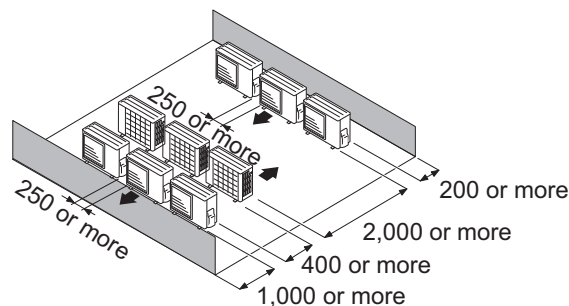
● Outdoor units installation in multi-row

Unit: mm

Single parallel unit arrangement



Multiple parallel unit arrangement

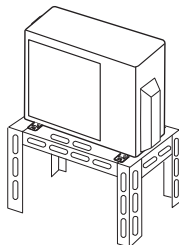


NOTES:

- If the space is larger than stated above, the condition will be the same as when there is no obstacle.
- 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.

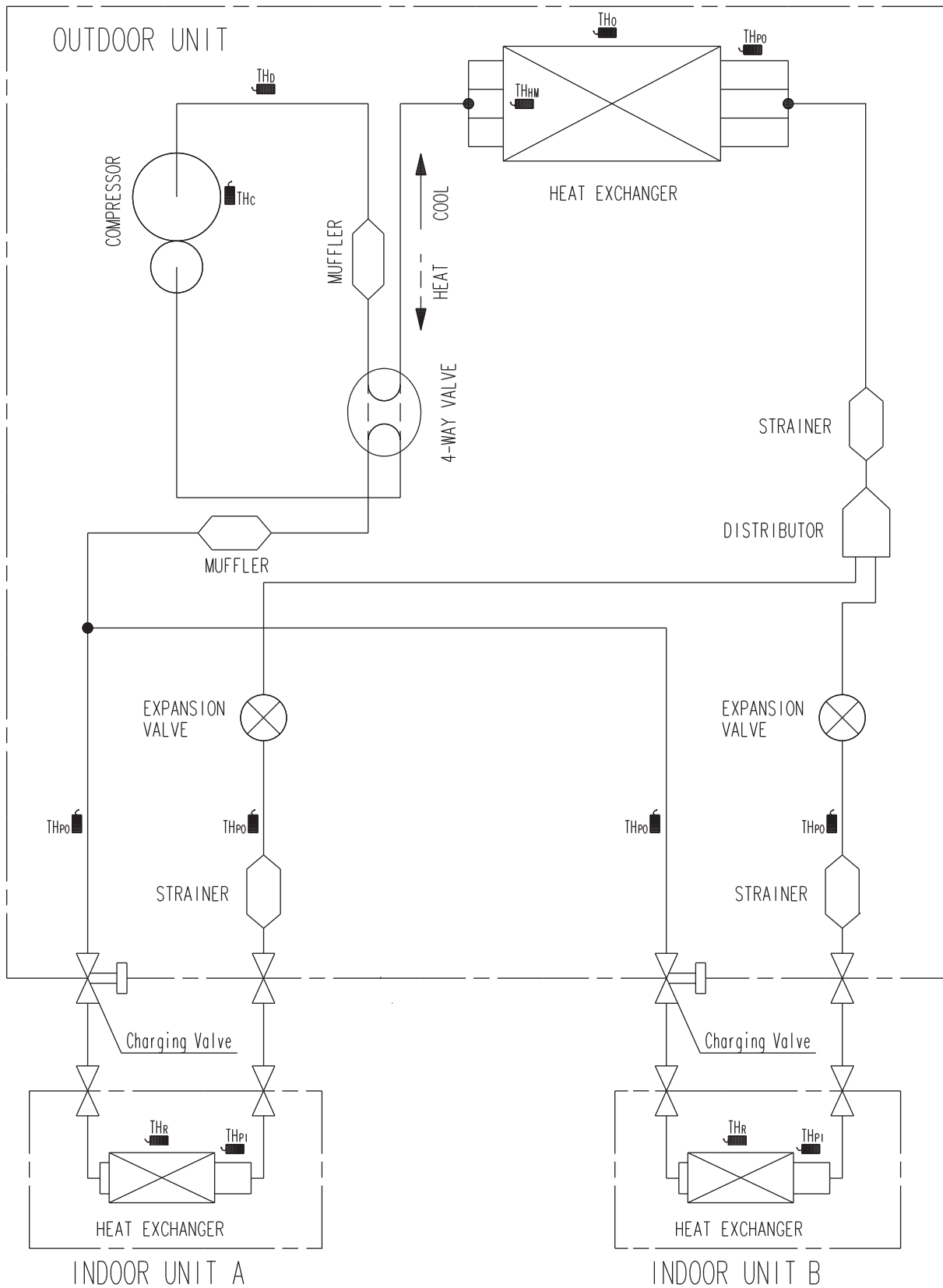


4. Refrigerant circuit

4-1. Models: AOEH14KACB2 and AOEH18KACB2

OUTDOOR UNIT
AOEH14-18KACB*

OUTDOOR UNIT
AOEH14-18KACB*



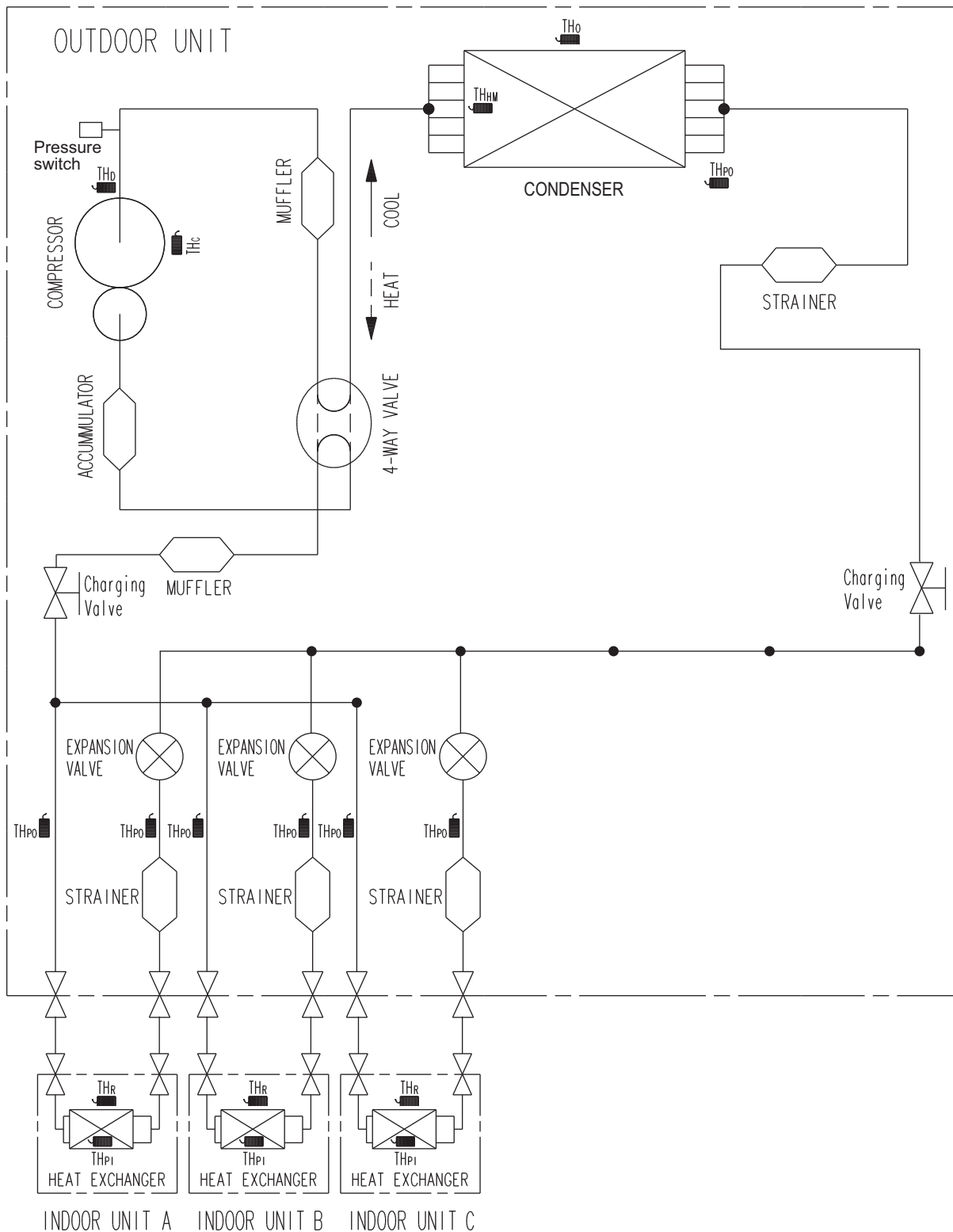
- TH_c : THERMISTOR (COMPRESSOR TEMP.)
- TH_o : THERMISTOR (DISCHARGE TEMP.)
- TH_o : THERMISTOR (OUTDOOR TEMP.)
- TH_{po} : THERMISTOR (PIPE TEMP.)
- TH_m : THERMISTOR (HEAT EXCHANGER MIDDLE TEMP.)
- TH_c : THERMISTOR (COMPRESSOR TEMP.)

- TH_r : THERMISTOR (ROOM TEMP.)
- TH_{p1} : THERMISTOR (PIPE TEMP.)

4-2. Model: AOEH18KACB3

OUTDOOR UNIT
AOEH14-18KACB3*

OUTDOOR UNIT
AOEH14-18KACB3*



TH_b : THERMISTOR(DISCHARGE TEMP.)
 TH_o : THERMISTOR(OUTDOOR TEMP.)
 TH_{po} : THERMISTOR(PIPE TEMP.)
 TH_c : THERMISTOR(COMPRESSOR TEMP.)

TH_r : THERMISTOR(ROOM TEMP.)
 TH_{p1} : THERMISTOR(PIPE TEMP.)
 TH_{HM} : THERMISTOR(HEAT EXCHANGER MIDDLE TEMP.)

6. Capacity table

6-1. Combinations

■ Model: AOEH14KACB2

- These are the values when connected with wall-mounted type indoor units.
- 7: 7,000 Btu/h, 9: 9,000 Btu/h, 12: 12,000 Btu/h...
- The total ability of connected indoor units is from 14,000 Btu/h up to 21,000 Btu/h.
- 2 or more indoor units should be connected.
- The values mentioned in the tables are based on the following conditions:
 - Power source of specifications: 230 V
 - Cooling: Indoor temperature of 27°CDB/19°CWB and outdoor temperature of 35°CDB.
 - Heating: Indoor temperature of 20°CDB, and outdoor temperature of 7°CDB/6°CWB.
 - Pipe length: 5 m, Height difference: 0 m. (Between outdoor unit and indoor unit.)

● Cooling

AOEH14KACB2, Wall-mounted														
Combination of indoor unit			Rated capacity for each indoor unit (kW)		Total capacity (kW)			Input power (kW)			EER (W/W)	Seasonal data		
Unit		Total	Unit		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	1.40	4.00	4.40	0.25	1.02	1.25	3.92	4.00	7.90	A++
7	9	16	1.70	2.30	1.40	4.00	4.40	0.25	1.02	1.25	3.92	4.00	7.90	A++
7	12	19	1.50	2.50	1.40	4.00	4.40	0.25	1.02	1.25	3.92	4.00	7.90	A++
9	9	18	2.00	2.00	1.40	4.00	4.40	0.25	1.02	1.25	3.92	4.00	7.90	A++
9	12	21	1.70	2.30	1.40	4.00	4.40	0.25	1.02	1.25	3.92	4.00	7.90	A++

● Heating

AOEH14KACB2, Wall-mounted														
Combination of indoor unit			Rated capacity for each indoor unit (kW)		Total capacity (kW)			Input power (kW)			COP (W/W)	Seasonal data		
Unit		Total	Unit		Min.	Rated	Max.	Min.	Rated	Max.		Pdesign (kW)	SCOP (kWh/kWh)	Energy efficiency class
1	2		1	2										
7	7	14	2.10	2.10	1.10	4.20	4.80	0.25	0.97	1.40	4.33	3.30	4.30	A+
7	9	16	1.80	2.40	1.10	4.20	4.80	0.25	0.97	1.40	4.33	3.30	4.30	A+
7	12	19	1.50	2.70	1.10	4.20	4.80	0.25	0.97	1.40	4.33	3.30	4.30	A+
9	9	18	2.10	2.10	1.10	4.20	4.80	0.25	0.97	1.40	4.33	3.30	4.30	A+
9	12	21	1.80	2.40	1.10	4.20	4.80	0.25	0.97	1.40	4.33	3.30	4.30	A+

Model: AOEH18KACB2

- These are the values when connected with wall-mounted type indoor units.
- 7: 7,000 Btu/h, 9: 9,000 Btu/h, 12: 12,000 Btu/h...
- The total ability of connected indoor units is from 14,000 Btu/h up to 24,000 Btu/h.
- 2 or more indoor units should be connected.
- The values mentioned in the tables are based on the following conditions:
 - Power source of specifications: 230 V
 - Cooling: Indoor temperature of 27°CDB/19°CWB and outdoor temperature of 35°CDB.
 - Heating: Indoor temperature of 20°CDB, and outdoor temperature of 7°CDB/6°CWB.
 - Pipe length: 5 m, Height difference: 0 m. (Between outdoor unit and indoor unit.)

● Cooling

AOEH18KACB2, Wall-mounted														
Combination of indoor unit			Rated capacity for each indoor unit (kW)		Total capacity (kW)			Input power (kW)			EER (W/W)	Seasonal data		
Unit		Total	Unit		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	1.40	4.00	4.40	0.25	1.00	1.15	4.00	4.00	8.10	A++
7	9	16	2.00	2.50	1.40	4.50	4.80	0.25	1.21	1.35	3.72	4.50	8.00	A++
7	12	19	2.00	3.00	1.40	5.00	5.20	0.25	1.47	1.63	3.40	5.00	7.90	A++
9	9	18	2.50	2.50	1.40	5.00	5.20	0.25	1.47	1.63	3.40	5.00	7.90	A++
9	12	21	2.10	2.90	1.40	5.00	5.20	0.25	1.47	1.63	3.40	5.00	7.90	A++
12	12	24	2.50	2.50	1.40	5.00	5.20	0.25	1.47	1.63	3.40	5.00	7.90	A++

● Heating

AOEH18KACB2, Wall-mounted														
Combination of indoor unit			Rated capacity for each indoor unit (kW)		Total capacity (kW)			Input power (kW)			COP (W/W)	Seasonal data		
Unit		Total	Unit		Min.	Rated	Max.	Min.	Rated	Max.		Pdesign (kW)	SCOP (kWh/kWh)	Energy efficiency class
1	2		1	2										
7	7	14	2.30	2.30	1.10	4.60	5.60	0.25	1.04	1.52	4.33	3.30	4.30	A+
7	9	16	2.30	3.00	1.10	5.30	6.00	0.25	1.43	1.80	3.71	3.30	4.30	A+
7	12	19	2.00	3.30	1.10	5.30	6.00	0.25	1.42	1.80	3.73	3.50	4.30	A+
9	9	18	2.65	2.65	1.10	5.30	6.00	0.25	1.42	1.80	3.73	3.50	4.30	A+
9	12	21	2.30	3.00	1.10	5.30	6.00	0.25	1.42	1.80	3.73	3.50	4.30	A+
12	12	24	2.65	2.65	1.10	5.30	6.00	0.25	1.42	1.80	3.73	3.50	4.30	A+

Model: AOEH18KACB3

- These are the values when connected with wall-mounted type indoor units.
- 7: 7,000 Btu/h, 9: 9,000 Btu/h, 12: 12,000 Btu/h...
- The total ability of connected indoor units is from 14,000 Btu/h up to 30,000 Btu/h.
- 2 or more indoor units should be connected.
- The values mentioned in the tables are based on the following conditions:
 - Power source of specifications: 230 V
 - Cooling: Indoor temperature of 27°CDB/19°CWB and outdoor temperature of 35°CDB.
 - Heating: Indoor temperature of 20°CDB, and outdoor temperature of 7°CDB/6°CWB.
 - Pipe length: 5 m, Height difference: 0 m. (Between outdoor unit and indoor unit.)

● Cooling

AOEH18KACB3, Wall-mounted																
Combination of indoor unit				Rated capacity for each indoor unit (kW)			Total capacity (kW)			Input power (kW)			EER (W/W)	Seasonal data		
Unit			Total	Unit			Min.	Rated	Max.	Min.	Rated	Max.		Pdesign (kW)	SEER (kWh/kWh)	Energy efficiency class
1	2	3		1	2	3										
7	7	—	14	2.00	2.00	-	1.80	4.00	4.40	0.27	0.94	1.04	4.26	4.00	8.00	A++
7	9	—	16	2.00	2.50	-	1.80	4.50	4.80	0.27	1.10	1.19	4.09	4.50	8.00	A++
7	12	—	19	2.00	3.20	-	1.80	5.20	5.40	0.27	1.36	1.41	3.83	5.20	7.70	A++
9	9	—	18	2.50	2.50	-	1.80	5.00	5.20	0.27	1.25	1.36	4.00	5.00	7.90	A++
9	12	—	21	2.20	3.00	-	1.80	5.20	5.80	0.27	1.36	1.60	3.83	5.20	7.70	A++
12	12	—	24	2.65	2.65	-	1.80	5.30	6.40	0.27	1.44	1.89	3.68	5.30	7.70	A++
7	7	7	21	1.77	1.77	1.77	1.80	5.30	6.60	0.27	1.27	1.91	4.17	5.30	7.90	A++
7	7	9	23	1.60	1.60	2.10	1.80	5.30	6.60	0.27	1.27	1.91	4.17	5.30	7.90	A++
7	7	12	26	1.43	1.43	2.45	1.80	5.30	6.60	0.27	1.27	1.91	4.17	5.30	7.90	A++
7	9	9	25	1.50	1.90	1.90	1.80	5.30	6.60	0.27	1.27	1.91	4.17	5.30	7.90	A++
7	9	12	28	1.30	1.70	2.30	1.80	5.30	6.60	0.27	1.27	1.91	4.17	5.30	7.90	A++
9	9	9	27	1.77	1.77	1.77	1.80	5.30	6.60	0.27	1.27	1.91	4.17	5.30	7.90	A++
9	9	12	30	1.60	1.60	2.10	1.80	5.30	6.60	0.27	1.27	1.91	4.17	5.30	7.90	A++

● Heating

AOEH18KACB3, Wall-mounted																
Combination of indoor unit				Rated capacity for each indoor unit (kW)			Total capacity (kW)			Input power (kW)			COP (W/W)	Seasonal data		
Unit			Total	Unit			Min.	Rated	Max.	Min.	Rated	Max.		Pdesign (kW)	SCOP (kWh/kWh)	Energy efficiency class
1	2	3		1	2	3										
7	7	—	14	2.40	2.40	-	1.70	4.80	5.60	0.25	1.11	1.64	4.32	3.80	4.20	A+
7	9	—	16	2.40	3.00	-	1.70	5.40	6.40	0.25	1.35	2.04	4.00	3.80	4.20	A+
7	12	—	19	2.30	3.90	-	1.70	6.20	7.20	0.25	1.67	2.27	3.71	4.30	4.20	A+
9	9	—	18	3.00	3.00	-	1.70	6.00	7.20	0.25	1.58	2.27	3.80	4.30	4.20	A+
9	12	—	21	2.70	3.50	-	1.70	6.20	7.80	0.25	1.67	2.35	3.71	4.30	4.20	A+
12	12	—	24	3.20	3.20	-	1.70	6.40	7.80	0.25	1.73	2.35	3.71	4.50	4.10	A+
7	7	7	21	2.13	2.13	2.13	1.70	6.40	7.80	0.25	1.48	2.35	4.32	5.00	4.30	A+
7	7	9	23	1.95	1.95	2.50	1.70	6.40	7.80	0.25	1.48	2.35	4.32	5.00	4.30	A+
7	7	12	26	1.72	1.72	2.95	1.70	6.40	7.80	0.25	1.48	2.35	4.32	5.00	4.30	A+
7	9	9	25	1.79	2.30	2.30	1.70	6.40	7.80	0.25	1.48	2.35	4.32	5.00	4.30	A+
7	9	12	28	1.60	2.10	2.70	1.70	6.40	7.80	0.25	1.48	2.35	4.32	5.00	4.30	A+
9	9	9	27	2.13	2.13	2.13	1.70	6.40	7.80	0.25	1.48	2.35	4.32	5.00	4.30	A+
9	9	12	30	1.90	1.90	2.60	1.70	6.40	7.80	0.25	1.48	2.35	4.32	5.00	4.30	A+

6-2. Cooling capacity

Model: AOEH14KACB2

- TC: Total Capacity (kW)
- IP: Input Power (kW)
- Values mentioned in the table are based on the following conditions:
 - Power source of specifications: 230 V
 - Pipe length: 5 m, Height difference: 0 m. (Between outdoor unit and indoor unit.)
- 2 or more indoor units should be connected.
- The total ability of connected indoor unit is from 14,000 Btu/h up to 21,000 Btu/h.
- Input in the table are calculated based on the maximum indoor unit input combinations.

Indoor unit connect- ing capacity	Outdoor temperature	Indoor temperature											
		18.0°CDB		21.0°CDB		23.0°CDB		27.0°CDB		29.0°CDB		32.0°CDB	
		12.0°CWB		15.0°CWB		16.0°CWB		19.0°CWB		21.0°CWB		23.0°CWB	
kBtu/h	°CDB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
21	-10.0	3.44	1.04	3.92	1.05	4.11	1.05	4.40	1.07	4.69	1.09	4.88	1.09
	0.0	3.44	0.92	3.92	0.92	4.11	0.92	4.40	0.95	4.69	0.95	4.88	0.95
	5.0	3.44	0.85	3.92	0.87	4.11	0.87	4.40	0.89	4.69	0.89	4.88	0.89
	10.0	3.44	0.84	3.92	0.84	4.11	0.84	4.40	0.86	4.69	0.86	4.88	0.88
	15.0	3.44	0.81	3.92	0.82	4.11	0.82	4.40	0.84	4.69	0.84	4.88	0.86
	20.0	3.44	0.90	3.92	0.92	4.11	0.93	4.40	0.95	4.69	0.95	4.88	0.97
	25.0	3.44	1.00	3.92	1.03	4.11	1.03	4.40	1.04	4.69	1.05	4.88	1.07
	30.0	3.44	1.08	3.92	1.11	4.11	1.12	4.40	1.13	4.69	1.14	4.88	1.14
	35.0	3.44	1.21	3.92	1.23	4.11	1.24	4.40	1.25	4.69	1.26	4.88	1.27
	40.0	2.97	1.00	3.35	1.02	3.54	1.03	3.83	1.04	4.12	1.05	4.21	1.06
	46.0	2.14	0.84	2.46	0.85	2.54	0.86	2.78	0.87	2.94	0.88	3.02	0.89
50.0	1.32	0.68	1.52	0.68	1.57	0.69	1.72	0.70	1.82	0.71	1.87	0.72	
19	-10.0	3.44	1.04	3.92	1.05	4.11	1.05	4.40	1.07	4.69	1.09	4.88	1.09
	0.0	3.44	0.92	3.92	0.92	4.11	0.92	4.40	0.95	4.69	0.95	4.88	0.95
	5.0	3.44	0.85	3.92	0.87	4.11	0.87	4.40	0.89	4.69	0.89	4.88	0.89
	10.0	3.44	0.84	3.92	0.84	4.11	0.84	4.40	0.86	4.69	0.86	4.88	0.88
	15.0	3.44	0.81	3.92	0.82	4.11	0.82	4.40	0.84	4.69	0.84	4.88	0.86
	20.0	3.44	0.90	3.92	0.92	4.11	0.93	4.40	0.95	4.69	0.95	4.88	0.97
	25.0	3.44	1.00	3.92	1.03	4.11	1.03	4.40	1.04	4.69	1.05	4.88	1.07
	30.0	3.44	1.08	3.92	1.11	4.11	1.12	4.40	1.13	4.69	1.14	4.88	1.14
	35.0	3.44	1.21	3.92	1.23	4.11	1.24	4.40	1.25	4.69	1.26	4.88	1.27
	40.0	2.97	1.00	3.35	1.02	3.54	1.03	3.83	1.04	4.12	1.05	4.21	1.06
	46.0	2.14	0.84	2.46	0.85	2.54	0.86	2.78	0.87	2.94	0.88	3.02	0.89
50.0	1.32	0.68	1.52	0.68	1.57	0.69	1.72	0.70	1.82	0.71	1.87	0.72	
18	-10.0	3.44	1.04	3.92	1.05	4.11	1.05	4.40	1.07	4.69	1.09	4.88	1.09
	0.0	3.44	0.92	3.92	0.92	4.11	0.92	4.40	0.95	4.69	0.95	4.88	0.95
	5.0	3.44	0.85	3.92	0.87	4.11	0.87	4.40	0.89	4.69	0.89	4.88	0.89
	10.0	3.44	0.84	3.92	0.84	4.11	0.84	4.40	0.86	4.69	0.86	4.88	0.88
	15.0	3.44	0.81	3.92	0.82	4.11	0.82	4.40	0.84	4.69	0.84	4.88	0.86
	20.0	3.44	0.90	3.92	0.92	4.11	0.93	4.40	0.95	4.69	0.95	4.88	0.97
	25.0	3.44	1.00	3.92	1.03	4.11	1.03	4.40	1.04	4.69	1.05	4.88	1.07
	30.0	3.44	1.08	3.92	1.11	4.11	1.12	4.40	1.13	4.69	1.14	4.88	1.14
	35.0	3.44	1.21	3.92	1.23	4.11	1.24	4.40	1.25	4.69	1.26	4.88	1.27
	40.0	2.97	1.00	3.35	1.02	3.54	1.03	3.83	1.04	4.12	1.05	4.21	1.06
	46.0	2.14	0.84	2.46	0.85	2.54	0.86	2.78	0.87	2.94	0.88	3.02	0.89
50.0	1.32	0.68	1.52	0.68	1.57	0.69	1.72	0.70	1.82	0.71	1.87	0.72	
16	-10.0	3.44	1.04	3.92	1.05	4.11	1.05	4.40	1.07	4.69	1.09	4.88	1.09
	0.0	3.44	0.92	3.92	0.92	4.11	0.92	4.40	0.95	4.69	0.95	4.88	0.95
	5.0	3.44	0.85	3.92	0.87	4.11	0.87	4.40	0.89	4.69	0.89	4.88	0.89
	10.0	3.44	0.84	3.92	0.84	4.11	0.84	4.40	0.86	4.69	0.86	4.88	0.88
	15.0	3.44	0.81	3.92	0.82	4.11	0.82	4.40	0.84	4.69	0.84	4.88	0.86
	20.0	3.44	0.90	3.92	0.92	4.11	0.93	4.40	0.95	4.69	0.95	4.88	0.97
	25.0	3.44	1.00	3.92	1.03	4.11	1.03	4.40	1.04	4.69	1.05	4.88	1.07
	30.0	3.44	1.08	3.92	1.11	4.11	1.12	4.40	1.13	4.69	1.14	4.88	1.14
	35.0	3.44	1.21	3.92	1.23	4.11	1.24	4.40	1.25	4.69	1.26	4.88	1.27
	40.0	2.97	1.00	3.35	1.02	3.54	1.03	3.83	1.04	4.12	1.05	4.21	1.06
	46.0	2.14	0.84	2.46	0.85	2.54	0.86	2.78	0.87	2.94	0.88	3.02	0.89
50.0	1.32	0.68	1.52	0.68	1.57	0.69	1.72	0.70	1.82	0.71	1.87	0.72	
14	-10.0	3.44	1.04	3.92	1.05	4.11	1.05	4.40	1.07	4.69	1.09	4.88	1.09
	0.0	3.44	0.92	3.92	0.92	4.11	0.92	4.40	0.95	4.69	0.95	4.88	0.95
	5.0	3.44	0.85	3.92	0.87	4.11	0.87	4.40	0.89	4.69	0.89	4.88	0.89
	10.0	3.44	0.84	3.92	0.84	4.11	0.84	4.40	0.86	4.69	0.86	4.88	0.88
	15.0	3.44	0.81	3.92	0.82	4.11	0.82	4.40	0.84	4.69	0.84	4.88	0.86
	20.0	3.44	0.90	3.92	0.92	4.11	0.93	4.40	0.95	4.69	0.95	4.88	0.97
	25.0	3.44	1.00	3.92	1.03	4.11	1.03	4.40	1.04	4.69	1.05	4.88	1.07
	30.0	3.44	1.08	3.92	1.11	4.11	1.12	4.40	1.13	4.69	1.14	4.88	1.14
	35.0	3.44	1.21	3.92	1.23	4.11	1.24	4.40	1.25	4.69	1.26	4.88	1.27
	40.0	2.97	1.00	3.35	1.02	3.54	1.03	3.83	1.04	4.12	1.05	4.21	1.06
	46.0	2.14	0.84	2.46	0.85	2.54	0.86	2.78	0.87	2.94	0.88	3.02	0.89
50.0	1.32	0.68	1.52	0.68	1.57	0.69	1.72	0.70	1.82	0.71	1.87	0.72	

● Wall-mounted type

- TC: Total Capacity (kW)
- SHC: Sensible Heat Capacity (kW)
- Pipe length: 5 m, Height difference: 0 m. (Between outdoor unit and indoor unit.)

Model: ASEH07KLTBL

Outdoor temperature	Indoor temperature (°CDB / °CWB)											
	18.0 / 12.0		21.0 / 15.0		23.0 / 16.0		27.0 / 19.0		29.0 / 21.0		32.0 / 23.0	
°CDB	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
-10.0												
-5.0												
0.0												
5.0												
10.0												
15.0												
20.0												
25.0												
30.0												
35.0												
40.0												
46.0												
50.0												

Model: ASEH09KLTBL

Outdoor temperature	Indoor temperature (°CDB / °CWB)											
	18.0 / 12.0		21.0 / 15.0		23.0 / 16.0		27.0 / 19.0		29.0 / 21.0		32.0 / 23.0	
°CDB	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
-10.0												
-5.0												
0.0												
5.0												
10.0												
15.0												
20.0												
25.0												
30.0												
35.0												
40.0												
46.0												
50.0												

Model: ASEH12KLTBL

Outdoor temperature	Indoor temperature (°CDB / °CWB)											
	18.0 / 12.0		21.0 / 15.0		23.0 / 16.0		27.0 / 19.0		29.0 / 21.0		32.0 / 23.0	
°CDB	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
-10.0												
-5.0												
0.0												
5.0												
10.0												
15.0												
20.0												
25.0												
30.0												
35.0												
40.0												
46.0												
50.0												

OUTDOOR UNIT
AOEH14-18KACB*

OUTDOOR UNIT
AOEH14-18KACB*

Model: AOEH18KACB2

- TC: Total Capacity (kW)
- IP: Input Power (kW)
- Values mentioned in the table are based on the following conditions:
 - Power source of specifications: 230 V
 - Pipe length: 5 m, Height difference: 0 m. (Between outdoor unit and indoor unit.)
- 2 or more indoor units should be connected.
- The total ability of connected indoor unit is from 14,000 Btu/h up to 24,000 Btu/h.
- Input in the table are calculated based on the maximum indoor unit input combinations.

Indoor unit connect- ing capacity	Outdoor temperature	Indoor temperature											
		18.0°CDB		21.0°CDB		23.0°CDB		27.0°CDB		29.0°CDB		32.0°CDB	
		12.0°CWB		15.0°CWB		16.0°CWB		19.0°CWB		21.0°CWB		23.0°CWB	
kBtu/h	°CDB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
24	-10.0	4.07	1.13	4.63	1.15	4.86	1.15	5.20	1.17	5.54	1.19	5.77	1.19
	0.0	4.07	0.93	4.63	0.93	4.86	0.93	5.20	0.96	5.54	0.96	5.77	0.96
	5.0	4.07	0.82	4.63	0.84	4.86	0.84	5.20	0.86	5.54	0.86	5.77	0.86
	10.0	4.07	0.91	4.63	0.91	4.86	0.91	5.20	0.93	5.54	0.93	5.77	0.95
	15.0	4.07	0.96	4.63	0.98	4.86	0.98	5.20	1.00	5.54	1.00	5.77	1.02
	20.0	4.07	0.79	4.63	0.80	4.86	0.82	5.20	0.83	5.54	0.83	5.77	0.84
	25.0	4.07	1.04	4.63	1.07	4.86	1.07	5.20	1.08	5.54	1.09	5.77	1.11
	30.0	4.07	1.28	4.63	1.31	4.86	1.33	5.20	1.34	5.54	1.35	5.77	1.35
	35.0	4.07	1.58	4.63	1.60	4.86	1.62	5.20	1.63	5.54	1.64	5.77	1.66
	40.0	3.33	1.30	3.76	1.32	3.98	1.34	4.30	1.35	4.62	1.36	4.73	1.38
46.0	2.43	1.03	2.79	1.05	2.88	1.06	3.15	1.07	3.33	1.08	3.42	1.09	
50.0	1.84	0.85	2.12	0.86	2.19	0.87	2.39	0.88	2.53	0.89	2.59	0.90	
21	-10.0	4.07	1.13	4.63	1.15	4.86	1.15	5.20	1.17	5.54	1.19	5.77	1.19
	0.0	4.07	0.93	4.63	0.93	4.86	0.93	5.20	0.96	5.54	0.96	5.77	0.96
	5.0	4.07	0.82	4.63	0.84	4.86	0.84	5.20	0.86	5.54	0.86	5.77	0.86
	10.0	4.07	0.91	4.63	0.91	4.86	0.91	5.20	0.93	5.54	0.93	5.77	0.95
	15.0	4.07	0.96	4.63	0.98	4.86	0.98	5.20	1.00	5.54	1.00	5.77	1.02
	20.0	4.07	0.79	4.63	0.80	4.86	0.82	5.20	0.83	5.54	0.83	5.77	0.84
	25.0	4.07	1.04	4.63	1.07	4.86	1.07	5.20	1.08	5.54	1.09	5.77	1.11
	30.0	4.07	1.28	4.63	1.31	4.86	1.33	5.20	1.34	5.54	1.35	5.77	1.35
	35.0	4.07	1.58	4.63	1.60	4.86	1.62	5.20	1.63	5.54	1.64	5.77	1.66
	40.0	3.33	1.30	3.76	1.32	3.98	1.34	4.30	1.35	4.62	1.36	4.73	1.38
46.0	2.43	1.03	2.79	1.05	2.88	1.06	3.15	1.07	3.33	1.08	3.42	1.09	
50.0	1.84	0.85	2.12	0.86	2.19	0.87	2.39	0.88	2.53	0.89	2.59	0.90	
19	-10.0	4.07	1.13	4.63	1.15	4.86	1.15	5.20	1.17	5.54	1.19	5.77	1.19
	0.0	4.07	0.93	4.63	0.93	4.86	0.93	5.20	0.96	5.54	0.96	5.77	0.96
	5.0	4.07	0.82	4.63	0.84	4.86	0.84	5.20	0.86	5.54	0.86	5.77	0.86
	10.0	4.07	0.91	4.63	0.91	4.86	0.91	5.20	0.93	5.54	0.93	5.77	0.95
	15.0	4.07	0.96	4.63	0.98	4.86	0.98	5.20	1.00	5.54	1.00	5.77	1.02
	20.0	4.07	0.79	4.63	0.80	4.86	0.82	5.20	0.83	5.54	0.83	5.77	0.84
	25.0	4.07	1.04	4.63	1.07	4.86	1.07	5.20	1.08	5.54	1.09	5.77	1.11
	30.0	4.07	1.28	4.63	1.31	4.86	1.33	5.20	1.34	5.54	1.35	5.77	1.35
	35.0	4.07	1.58	4.63	1.60	4.86	1.62	5.20	1.63	5.54	1.64	5.77	1.66
	40.0	3.33	1.30	3.76	1.32	3.98	1.34	4.30	1.35	4.62	1.36	4.73	1.38
46.0	2.43	1.03	2.79	1.05	2.88	1.06	3.15	1.07	3.33	1.08	3.42	1.09	
50.0	1.84	0.85	2.12	0.86	2.19	0.87	2.39	0.88	2.53	0.89	2.59	0.90	
18	-10.0	4.07	1.13	4.63	1.15	4.86	1.15	5.20	1.17	5.54	1.19	5.77	1.19
	0.0	4.07	0.93	4.63	0.93	4.86	0.93	5.20	0.96	5.54	0.96	5.77	0.96
	5.0	4.07	0.82	4.63	0.84	4.86	0.84	5.20	0.86	5.54	0.86	5.77	0.86
	10.0	4.07	0.91	4.63	0.91	4.86	0.91	5.20	0.93	5.54	0.93	5.77	0.95
	15.0	4.07	0.96	4.63	0.98	4.86	0.98	5.20	1.00	5.54	1.00	5.77	1.02
	20.0	4.07	0.79	4.63	0.80	4.86	0.82	5.20	0.83	5.54	0.83	5.77	0.84
	25.0	4.07	1.04	4.63	1.07	4.86	1.07	5.20	1.08	5.54	1.09	5.77	1.11
	30.0	4.07	1.28	4.63	1.31	4.86	1.33	5.20	1.34	5.54	1.35	5.77	1.35
	35.0	4.07	1.58	4.63	1.60	4.86	1.62	5.20	1.63	5.54	1.64	5.77	1.66
	40.0	3.33	1.30	3.76	1.32	3.98	1.34	4.30	1.35	4.62	1.36	4.73	1.38
46.0	2.43	1.03	2.79	1.05	2.88	1.06	3.15	1.07	3.33	1.08	3.42	1.09	
50.0	1.84	0.85	2.12	0.86	2.19	0.87	2.39	0.88	2.53	0.89	2.59	0.90	
16	-10.0	3.44	0.94	3.92	0.95	4.11	0.95	4.40	0.97	4.69	0.99	4.88	0.99
	0.0	3.44	0.77	3.92	0.77	4.11	0.77	4.40	0.80	4.69	0.80	4.88	0.80
	5.0	3.44	0.68	3.92	0.70	4.11	0.70	4.40	0.71	4.69	0.71	4.88	0.71
	10.0	3.44	0.75	3.92	0.75	4.11	0.75	4.40	0.77	4.69	0.77	4.88	0.79
	15.0	3.44	0.80	3.92	0.81	4.11	0.81	4.40	0.83	4.69	0.83	4.88	0.84
	20.0	3.44	0.65	3.92	0.66	4.11	0.68	4.40	0.69	4.69	0.69	4.88	0.70
	25.0	3.44	0.86	3.92	0.89	4.11	0.89	4.40	0.89	4.69	0.90	4.88	0.92
	30.0	3.44	1.06	3.92	1.08	4.11	1.10	4.40	1.11	4.69	1.12	4.88	1.12
	35.0	3.44	1.31	3.92	1.33	4.11	1.34	4.40	1.35	4.69	1.36	4.88	1.37
	40.0	2.82	1.08	3.18	1.09	3.37	1.11	3.64	1.12	3.91	1.13	4.00	1.14
46.0	2.06	0.85	2.36	0.87	2.44	0.88	2.67	0.89	2.82	0.89	2.9	0.90	
50.0	1.56	0.70	1.79	0.71	1.85	0.72	2.02	0.73	2.14	0.74	2.19	0.75	

Indoor unit connecting capacity	Outdoor temperature	Indoor temperature											
		18.0°CDB		21.0°CDB		23.0°CDB		27.0°CDB		29.0°CDB		32.0°CDB	
		12.0°CWB		15.0°CWB		16.0°CWB		19.0°CWB		21.0°CWB		23.0°CWB	
kBtu/h	°CDB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
14	-10.0	3.44	0.80	3.92	0.82	4.11	0.82	4.40	0.83	4.69	0.84	4.88	0.84
	0.0	3.44	0.66	3.92	0.66	4.11	0.66	4.40	0.68	4.69	0.68	4.88	0.68
	5.0	3.44	0.58	3.92	0.60	4.11	0.60	4.40	0.61	4.69	0.61	4.88	0.61
	10.0	3.44	0.65	3.92	0.65	4.11	0.65	4.40	0.66	4.69	0.66	4.88	0.67
	15.0	3.44	0.68	3.92	0.70	4.11	0.70	4.40	0.71	4.69	0.71	4.88	0.72
	20.0	3.44	0.56	3.92	0.57	4.11	0.58	4.40	0.59	4.69	0.59	4.88	0.60
	25.0	3.44	0.73	3.92	0.75	4.11	0.75	4.40	0.76	4.69	0.77	4.88	0.78
	30.0	3.44	0.91	3.92	0.93	4.11	0.94	4.40	0.95	4.69	0.96	4.88	0.96
	35.0	3.44	1.11	3.92	1.13	4.11	1.14	4.40	1.15	4.69	1.16	4.88	1.17
	40.0	2.82	0.91	3.18	0.93	3.37	0.94	3.64	0.95	3.91	0.96	4.00	0.97
	46.0	2.06	0.72	2.36	0.74	2.44	0.74	2.67	0.75	2.82	0.76	2.90	0.77
50.0	1.56	0.60	1.79	0.61	1.85	0.61	2.02	0.62	2.14	0.63	2.19	0.64	

OUTDOOR UNIT
AOEH14-18KACB*

OUTDOOR UNIT
AOEH14-18KACB*

● Wall-mounted type

- TC: Total Capacity (kW)
- SHC: Sensible Heat Capacity (kW)
- Pipe length: 5 m, Height difference: 0 m. (Between outdoor unit and indoor unit.)

Model: ASEH07KLTBL

Outdoor temperature	Indoor temperature (°CDB / °CWB)											
	18.0 / 12.0		21.0 / 15.0		23.0 / 16.0		27.0 / 19.0		29.0 / 21.0		32.0 / 23.0	
°CDB	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
-10.0												
-5.0												
0.0												
5.0												
10.0												
15.0												
20.0												
25.0												
30.0												
35.0												
40.0												
46.0												
50.0												

Model: ASEH09KLTBL

Outdoor temperature	Indoor temperature (°CDB / °CWB)											
	18.0 / 12.0		21.0 / 15.0		23.0 / 16.0		27.0 / 19.0		29.0 / 21.0		32.0 / 23.0	
°CDB	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
-10.0												
-5.0												
0.0												
5.0												
10.0												
15.0												
20.0												
25.0												
30.0												
35.0												
40.0												
46.0												
50.0												

Model: ASEH12KLTBL

Outdoor temperature	Indoor temperature (°CDB / °CWB)											
	18.0 / 12.0		21.0 / 15.0		23.0 / 16.0		27.0 / 19.0		29.0 / 21.0		32.0 / 23.0	
°CDB	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
-10.0												
-5.0												
0.0												
5.0												
10.0												
15.0												
20.0												
25.0												
30.0												
35.0												
40.0												
46.0												
50.0												

OUTDOOR UNIT
AOEH14-18KACB*

OUTDOOR UNIT
AOEH14-18KACB*

Model: AOEH18KACB3

- TC: Total Capacity (kW)
- IP: Input Power (kW)
- Values mentioned in the table are based on the following conditions:
 - Power source of specifications: 230 V
 - Pipe length: 5 m, Height difference: 0 m. (Between outdoor unit and indoor unit.)
- 2 or more indoor units should be connected.
- The total ability of connected indoor unit is from 14,000 Btu/h up to 30,000 Btu/h.
- Input in the table are calculated based on the maximum indoor unit input combinations.

Indoor unit connect- ing capacity	Outdoor temperature	Indoor temperature											
		18.0°CDB		21.0°CDB		23.0°CDB		27.0°CDB		29.0°CDB		32.0°CDB	
		12.0°CWB		15.0°CWB		16.0°CWB		19.0°CWB		21.0°CWB		23.0°CWB	
kBtu/h	°CDB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
30	-10.0	5.18	1.21	5.85	1.22	6.17	1.24	6.60	1.25	7.05	1.26	7.27	1.26
	0.0	5.18	1.17	5.85	1.20	6.17	1.21	6.60	1.22	7.05	1.24	7.27	1.24
	5.0	5.18	1.15	5.85	1.17	6.17	1.18	6.60	1.20	7.05	1.21	7.27	1.21
	10.0	5.18	1.29	5.85	1.31	6.17	1.32	6.60	1.33	7.05	1.35	7.27	1.36
	15.0	5.18	1.41	5.85	1.43	6.17	1.43	6.60	1.46	7.05	1.47	7.27	1.49
	20.0	5.18	1.08	5.85	1.10	6.17	1.10	6.60	1.12	7.05	1.13	7.27	1.13
	25.0	5.18	1.32	5.85	1.35	6.17	1.36	6.60	1.37	7.05	1.39	7.27	1.39
	30.0	5.18	1.56	5.85	1.58	6.17	1.59	6.60	1.61	7.05	1.63	7.27	1.64
	35.0	5.18	1.84	5.85	1.87	6.17	1.89	6.60	1.91	7.05	1.93	7.27	1.94
	40.0	4.58	1.75	5.18	1.78	5.46	1.80	5.85	1.82	6.25	1.84	6.44	1.85
	46.0	3.99	1.66	4.51	1.69	4.75	1.71	5.09	1.72	5.44	1.74	5.61	1.75
50.0	3.10	1.34	3.51	1.37	3.69	1.38	3.96	1.39	4.23	1.41	4.36	1.41	
28	-10.0	5.18	1.21	5.85	1.22	6.17	1.24	6.60	1.25	7.05	1.26	7.27	1.26
	0.0	5.18	1.17	5.85	1.20	6.17	1.21	6.60	1.22	7.05	1.24	7.27	1.24
	5.0	5.18	1.15	5.85	1.17	6.17	1.18	6.60	1.20	7.05	1.21	7.27	1.21
	10.0	5.18	1.29	5.85	1.31	6.17	1.32	6.60	1.33	7.05	1.35	7.27	1.36
	15.0	5.18	1.41	5.85	1.43	6.17	1.43	6.60	1.46	7.05	1.47	7.27	1.49
	20.0	5.18	1.08	5.85	1.10	6.17	1.10	6.60	1.12	7.05	1.13	7.27	1.13
	25.0	5.18	1.32	5.85	1.35	6.17	1.36	6.60	1.37	7.05	1.39	7.27	1.39
	30.0	5.18	1.56	5.85	1.58	6.17	1.59	6.60	1.61	7.05	1.63	7.27	1.64
	35.0	5.18	1.84	5.85	1.87	6.17	1.89	6.60	1.91	7.05	1.93	7.27	1.94
	40.0	4.58	1.75	5.18	1.78	5.46	1.80	5.85	1.82	6.25	1.84	6.44	1.85
	46.0	3.99	1.66	4.51	1.69	4.75	1.71	5.09	1.72	5.44	1.74	5.61	1.75
50.0	3.10	1.34	3.51	1.37	3.69	1.38	3.96	1.39	4.23	1.41	4.36	1.41	
27	-10.0	5.18	1.21	5.85	1.22	6.17	1.24	6.60	1.25	7.05	1.26	7.27	1.26
	0.0	5.18	1.17	5.85	1.20	6.17	1.21	6.60	1.22	7.05	1.24	7.27	1.24
	5.0	5.18	1.15	5.85	1.17	6.17	1.18	6.60	1.20	7.05	1.21	7.27	1.21
	10.0	5.18	1.29	5.85	1.31	6.17	1.32	6.60	1.33	7.05	1.35	7.27	1.36
	15.0	5.18	1.41	5.85	1.43	6.17	1.43	6.60	1.46	7.05	1.47	7.27	1.49
	20.0	5.18	1.08	5.85	1.10	6.17	1.10	6.60	1.12	7.05	1.13	7.27	1.13
	25.0	5.18	1.32	5.85	1.35	6.17	1.36	6.60	1.37	7.05	1.39	7.27	1.39
	30.0	5.18	1.56	5.85	1.58	6.17	1.59	6.60	1.61	7.05	1.63	7.27	1.64
	35.0	5.18	1.84	5.85	1.87	6.17	1.89	6.60	1.91	7.05	1.93	7.27	1.94
	40.0	4.58	1.75	5.18	1.78	5.46	1.80	5.85	1.82	6.25	1.84	6.44	1.85
	46.0	3.99	1.66	4.51	1.69	4.75	1.71	5.09	1.72	5.44	1.74	5.61	1.75
50.0	3.10	1.34	3.51	1.37	3.69	1.38	3.96	1.39	4.23	1.41	4.36	1.41	
26	-10.0	5.18	1.21	5.85	1.22	6.17	1.24	6.60	1.25	7.05	1.26	7.27	1.26
	0.0	5.18	1.17	5.85	1.20	6.17	1.21	6.60	1.22	7.05	1.24	7.27	1.24
	5.0	5.18	1.15	5.85	1.17	6.17	1.18	6.60	1.20	7.05	1.21	7.27	1.21
	10.0	5.18	1.29	5.85	1.31	6.17	1.32	6.60	1.33	7.05	1.35	7.27	1.36
	15.0	5.18	1.41	5.85	1.43	6.17	1.43	6.60	1.46	7.05	1.47	7.27	1.49
	20.0	5.18	1.08	5.85	1.10	6.17	1.10	6.60	1.12	7.05	1.13	7.27	1.13
	25.0	5.18	1.32	5.85	1.35	6.17	1.36	6.60	1.37	7.05	1.39	7.27	1.39
	30.0	5.18	1.56	5.85	1.58	6.17	1.59	6.60	1.61	7.05	1.63	7.27	1.64
	35.0	5.18	1.84	5.85	1.87	6.17	1.89	6.60	1.91	7.05	1.93	7.27	1.94
	40.0	4.58	1.75	5.18	1.78	5.46	1.80	5.85	1.82	6.25	1.84	6.44	1.85
	46.0	3.99	1.66	4.51	1.69	4.75	1.71	5.09	1.72	5.44	1.74	5.61	1.75
50.0	3.10	1.34	3.51	1.37	3.69	1.38	3.96	1.39	4.23	1.41	4.36	1.41	
25	-10.0	5.18	1.21	5.85	1.22	6.17	1.24	6.60	1.25	7.05	1.26	7.27	1.26
	0.0	5.18	1.17	5.85	1.20	6.17	1.21	6.60	1.22	7.05	1.24	7.27	1.24
	5.0	5.18	1.15	5.85	1.17	6.17	1.18	6.60	1.20	7.05	1.21	7.27	1.21
	10.0	5.18	1.29	5.85	1.31	6.17	1.32	6.60	1.33	7.05	1.35	7.27	1.36
	15.0	5.18	1.41	5.85	1.43	6.17	1.43	6.60	1.46	7.05	1.47	7.27	1.49
	20.0	5.18	1.08	5.85	1.10	6.17	1.10	6.60	1.12	7.05	1.13	7.27	1.13
	25.0	5.18	1.32	5.85	1.35	6.17	1.36	6.60	1.37	7.05	1.39	7.27	1.39
	30.0	5.18	1.56	5.85	1.58	6.17	1.59	6.60	1.61	7.05	1.63	7.27	1.64
	35.0	5.18	1.84	5.85	1.87	6.17	1.89	6.60	1.91	7.05	1.93	7.27	1.94
	40.0	4.58	1.75	5.18	1.78	5.46	1.80	5.85	1.82	6.25	1.84	6.44	1.85
	46.0	3.99	1.66	4.51	1.69	4.75	1.71	5.09	1.72	5.44	1.74	5.61	1.75
50.0	3.10	1.34	3.51	1.37	3.69	1.38	3.96	1.39	4.23	1.41	4.36	1.41	

OUTDOOR UNIT
AOEH14~18KACB*

OUTDOOR UNIT
AOEH14~18KACB*

Indoor unit connect- ing capacity	Outdoor temperature	Indoor temperature											
		18.0°CDB		21.0°CDB		23.0°CDB		27.0°CDB		29.0°CDB		32.0°CDB	
		12.0°CWB		15.0°CWB		16.0°CWB		19.0°CWB		21.0°CWB		23.0°CWB	
kBtu/h	°CDB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
24	-10.0	5.18	1.21	5.85	1.22	6.17	1.24	6.60	1.25	7.05	1.26	7.27	1.26
	0.0	5.18	1.17	5.85	1.20	6.17	1.21	6.60	1.22	7.05	1.24	7.27	1.24
	5.0	5.18	1.15	5.85	1.17	6.17	1.18	6.60	1.20	7.05	1.21	7.27	1.21
	10.0	5.18	1.29	5.85	1.31	6.17	1.32	6.60	1.33	7.05	1.35	7.27	1.36
	15.0	5.18	1.41	5.85	1.43	6.17	1.43	6.60	1.46	7.05	1.47	7.27	1.49
	20.0	5.18	1.08	5.85	1.10	6.17	1.10	6.60	1.12	7.05	1.13	7.27	1.13
	25.0	5.18	1.32	5.85	1.35	6.17	1.36	6.60	1.37	7.05	1.39	7.27	1.39
	30.0	5.18	1.56	5.85	1.58	6.17	1.59	6.60	1.61	7.05	1.63	7.27	1.64
	35.0	5.18	1.84	5.85	1.87	6.17	1.89	6.60	1.91	7.05	1.93	7.27	1.94
	40.0	4.58	1.75	5.18	1.78	5.46	1.80	5.85	1.82	6.25	1.84	6.44	1.85
	46.0	3.99	1.66	4.51	1.69	4.75	1.71	5.09	1.72	5.44	1.74	5.61	1.75
50.0	3.10	1.34	3.51	1.37	3.69	1.38	3.96	1.39	4.23	1.41	4.36	1.41	
23	-10.0	5.18	1.21	5.85	1.22	6.17	1.24	6.60	1.25	7.05	1.26	7.27	1.26
	0.0	5.18	1.17	5.85	1.20	6.17	1.21	6.60	1.22	7.05	1.24	7.27	1.24
	5.0	5.18	1.15	5.85	1.17	6.17	1.18	6.60	1.20	7.05	1.21	7.27	1.21
	10.0	5.18	1.29	5.85	1.31	6.17	1.32	6.60	1.33	7.05	1.35	7.27	1.36
	15.0	5.18	1.41	5.85	1.43	6.17	1.43	6.60	1.46	7.05	1.47	7.27	1.49
	20.0	5.18	1.08	5.85	1.10	6.17	1.10	6.60	1.12	7.05	1.13	7.27	1.13
	25.0	5.18	1.32	5.85	1.35	6.17	1.36	6.60	1.37	7.05	1.39	7.27	1.39
	30.0	5.18	1.56	5.85	1.58	6.17	1.59	6.60	1.61	7.05	1.63	7.27	1.64
	35.0	5.18	1.84	5.85	1.87	6.17	1.89	6.60	1.91	7.05	1.93	7.27	1.94
	40.0	4.58	1.75	5.18	1.78	5.46	1.80	5.85	1.82	6.25	1.84	6.44	1.85
	46.0	3.99	1.66	4.51	1.69	4.75	1.71	5.09	1.72	5.44	1.74	5.61	1.75
50.0	3.10	1.34	3.51	1.37	3.69	1.38	3.96	1.39	4.23	1.41	4.36	1.41	
21	-10.0	5.18	1.21	5.85	1.22	6.17	1.24	6.60	1.25	7.05	1.26	7.27	1.26
	0.0	5.18	1.17	5.85	1.20	6.17	1.21	6.60	1.22	7.05	1.24	7.27	1.24
	5.0	5.18	1.15	5.85	1.17	6.17	1.18	6.60	1.20	7.05	1.21	7.27	1.21
	10.0	5.18	1.29	5.85	1.31	6.17	1.32	6.60	1.33	7.05	1.35	7.27	1.36
	15.0	5.18	1.41	5.85	1.43	6.17	1.43	6.60	1.46	7.05	1.47	7.27	1.49
	20.0	5.18	1.08	5.85	1.10	6.17	1.10	6.60	1.12	7.05	1.13	7.27	1.13
	25.0	5.18	1.32	5.85	1.35	6.17	1.36	6.60	1.37	7.05	1.39	7.27	1.39
	30.0	5.18	1.56	5.85	1.58	6.17	1.59	6.60	1.61	7.05	1.63	7.27	1.64
	35.0	5.18	1.84	5.85	1.87	6.17	1.89	6.60	1.91	7.05	1.93	7.27	1.94
	40.0	4.58	1.75	5.18	1.78	5.46	1.80	5.85	1.82	6.25	1.84	6.44	1.85
	46.0	3.99	1.66	4.51	1.69	4.75	1.71	5.09	1.72	5.44	1.74	5.61	1.75
50.0	3.10	1.34	3.51	1.37	3.69	1.38	3.96	1.39	4.23	1.41	4.36	1.41	
19	-10.0	4.24	0.89	4.79	0.90	5.05	0.91	5.40	0.92	5.77	0.93	5.95	0.93
	0.0	4.24	0.86	4.79	0.89	5.05	0.89	5.40	0.90	5.77	0.91	5.95	0.91
	5.0	4.24	0.85	4.79	0.87	5.05	0.88	5.40	0.89	5.77	0.90	5.95	0.90
	10.0	4.24	0.95	4.79	0.97	5.05	0.97	5.40	0.98	5.77	0.99	5.95	1.00
	15.0	4.24	1.04	4.79	1.06	5.05	1.06	5.40	1.08	5.77	1.09	5.95	1.10
	20.0	4.24	0.80	4.79	0.82	5.05	0.82	5.40	0.83	5.77	0.84	5.95	0.84
	25.0	4.24	0.97	4.79	1.00	5.05	1.00	5.40	1.01	5.77	1.02	5.95	1.02
	30.0	4.24	1.15	4.79	1.17	5.05	1.18	5.40	1.19	5.77	1.20	5.95	1.21
	35.0	4.24	1.36	4.79	1.38	5.05	1.40	5.40	1.41	5.77	1.42	5.95	1.43
	40.0	3.75	1.29	4.24	1.31	4.46	1.33	4.78	1.34	5.11	1.35	5.27	1.36
	46.0	3.27	1.23	3.69	1.25	3.89	1.26	4.17	1.27	4.46	1.28	4.59	1.29
50.0	2.54	0.99	2.87	1.02	3.02	1.02	3.24	1.03	3.46	1.04	3.57	1.04	
18	-10.0	4.08	0.86	4.61	0.87	4.86	0.88	5.20	0.89	5.55	0.90	5.73	0.90
	0.0	4.08	0.83	4.61	0.86	4.86	0.86	5.20	0.87	5.55	0.88	5.73	0.88
	5.0	4.08	0.81	4.61	0.83	4.86	0.84	5.20	0.85	5.55	0.86	5.73	0.86
	10.0	4.08	0.92	4.61	0.94	4.86	0.94	5.20	0.95	5.55	0.96	5.73	0.97
	15.0	4.08	1.00	4.61	1.02	4.86	1.02	5.20	1.04	5.55	1.05	5.73	1.06
	20.0	4.08	0.77	4.61	0.79	4.86	0.79	5.20	0.80	5.55	0.81	5.73	0.81
	25.0	4.08	0.94	4.61	0.97	4.86	0.97	5.20	0.98	5.55	0.99	5.73	0.99
	30.0	4.08	1.11	4.61	1.13	4.86	1.14	5.20	1.15	5.55	1.16	5.73	1.17
	35.0	4.08	1.31	4.61	1.33	4.86	1.35	5.20	1.36	5.55	1.37	5.73	1.38
	40.0	3.61	1.25	4.09	1.27	4.31	1.29	4.61	1.30	4.93	1.31	5.08	1.32
	46.0	3.14	1.18	3.55	1.20	3.74	1.21	4.01	1.22	4.28	1.23	4.42	1.24
50.0	2.44	0.95	2.77	0.98	2.91	0.98	3.12	0.99	3.33	1.00	3.44	1.00	
16	-10.0	3.77	0.76	4.25	0.76	4.49	0.77	4.80	0.78	5.13	0.79	5.29	0.79
	0.0	3.77	0.73	4.25	0.75	4.49	0.75	4.80	0.76	5.13	0.77	5.29	0.77
	5.0	3.77	0.72	4.25	0.73	4.49	0.74	4.80	0.75	5.13	0.76	5.29	0.76
	10.0	3.77	0.81	4.25	0.82	4.49	0.82	4.80	0.83	5.13	0.84	5.29	0.85
	15.0	3.77	0.88	4.25	0.89	4.49	0.89	4.80	0.91	5.13	0.92	5.29	0.93
	20.0	3.77	0.68	4.25	0.69	4.49	0.69	4.80	0.70	5.13	0.71	5.29	0.71
	25.0	3.77	0.82	4.25	0.84	4.49	0.84	4.80	0.85	5.13	0.86	5.29	0.86
	30.0	3.77	0.97	4.25	0.98	4.49	0.99	4.80	1.00	5.13	1.01	5.29	1.02
	35.0	3.77	1.15	4.25	1.17	4.49	1.18	4.80	1.19	5.13	1.20	5.29	1.21
	40.0	3.33	1.09	3.77	1.11	3.97	1.12	4.25	1.13	4.54	1.14	4.68	1.15
	46.0	2.90	1.03	3.28	1.05	3.45	1.06	3.70	1.07	3.95	1.08	4.08	1.09
50.0	2.25	0.84	2.55	0.86	2.68	0.86	2.88	0.87	3.08	0.88	3.17	0.88	
14	-10.0	3.45	0.66	3.90	0.66	4.11	0.67	4.40	0.68	4.70	0.69	4.85	0.69
	0.0	3.45	0.63	3.90	0.65	4.11	0.65	4.40	0.66	4.70	0.67	4.85	0.67
	5.0	3.45	0.62	3.90	0.63	4.11	0.64	4.40	0.65	4.70	0.66	4.85	0.66
	10.0	3.45	0.70	3.90	0.71	4.11	0.71	4.40	0.72	4.70	0.73	4.85	0.74
	15.0	3.45	0.76	3.90	0.77	4.11	0.77	4.40	0.79	4.70	0.80	4.85	0.81
	20.0	3.45	0.59	3.90	0.60	4.11	0.60	4.40	0.61	4.70	0.62	4.85	0.62
	25.0	3.45	0.72	3.90	0.74	4.11	0.74	4.40	0.75	4.70	0.76	4.85	0.76
	30.0	3.45	0.85	3.90	0.86	4.11	0.87	4.40	0.88	4.70	0.89	4.85	0.90
	35.0	3.45	1.00	3.90	1.02	4.11	1.03	4.40	1.04	4.70	1.05	4.85	1.06
	40.0	3.06	0.95	3.46	0.97	3.64	0.98	3.90	0.99	4.17	1.00	4.30	1.01
	46.0	2.66	0.91	3.00	0.92	3.16	0.93	3.39	0.94	3.62	0.95	3.74	0.96
50.0	2.07	0.73	2.34	0.75	2.46	0.75	2.64	0.76	2.82	0.77	2.91	0.77	

● Wall-mounted type

- TC: Total Capacity (kW)
- SHC: Sensible Heat Capacity (kW)
- Pipe length: 5 m, Height difference: 0 m. (Between outdoor unit and indoor unit.)

Model: ASEH07KLTBL

Outdoor temperature	Indoor temperature (°CDB / °CWB)											
	18.0 / 12.0		21.0 / 15.0		23.0 / 16.0		27.0 / 19.0		29.0 / 21.0		32.0 / 23.0	
°CDB	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
-10.0												
-5.0												
0.0												
5.0												
10.0												
15.0												
20.0												
25.0												
30.0												
35.0												
40.0												
46.0												
50.0												

Model: ASEH09KLTBL

Outdoor temperature	Indoor temperature (°CDB / °CWB)											
	18.0 / 12.0		21.0 / 15.0		23.0 / 16.0		27.0 / 19.0		29.0 / 21.0		32.0 / 23.0	
°CDB	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
-10.0												
-5.0												
0.0												
5.0												
10.0												
15.0												
20.0												
25.0												
30.0												
35.0												
40.0												
46.0												
50.0												

Model: ASEH12KLTBL

Outdoor temperature	Indoor temperature (°CDB / °CWB)											
	18.0 / 12.0		21.0 / 15.0		23.0 / 16.0		27.0 / 19.0		29.0 / 21.0		32.0 / 23.0	
°CDB	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
-10.0												
-5.0												
0.0												
5.0												
10.0												
15.0												
20.0												
25.0												
30.0												
35.0												
40.0												
46.0												
50.0												

OUTDOOR UNIT
AOEH14-18KACB*

OUTDOOR UNIT
AOEH14-18KACB*

6-3. Heating capacity

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

■ Model: AOEH14KACB2

- TC: Total Capacity (kW)
- IP: Input Power (kW)
- Values mentioned in the table are based on the following conditions:
 - Power source of specifications: 230 V
 - Pipe length: 5 m, Height difference: 0 m. (Between outdoor unit and indoor unit.)
- 2 or more indoor units should be connected.
- The total ability of connected a indoor unit is from 14,000 Btu/h up to 21,000 Btu/h.
- Input in the table are calculated based on the maximum indoor unit input combinations.

Indoor unit connect- ing capacity	Outdoor temperature		Indoor temperature									
			16.0°CDB		18.0°CDB		20.0°CDB		22.0°CDB		24.0°CDB	
kBtu/h	°CDB	°CWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
21	-15.0	-16.0	3.05	1.29	3.05	1.31	2.96	1.34	2.87	1.37	2.78	1.40
	-10.0	-11.0	3.69	1.36	3.60	1.39	3.50	1.42	3.40	1.44	3.31	1.47
	-5.0	-7.0	4.20	1.43	4.10	1.46	4.00	1.49	3.90	1.52	3.80	1.55
	0.0	-2.0	4.36	1.45	4.28	1.48	4.20	1.51	4.04	1.54	3.95	1.57
	5.0	3.0	4.80	1.37	4.71	1.40	4.63	1.43	4.46	1.46	4.38	1.49
	7.0	6.0	5.06	1.34	4.89	1.38	4.80	1.40	4.71	1.42	4.54	1.46
	10.0	8.0	5.06	1.75	4.89	1.78	4.80	1.82	4.71	1.86	4.54	1.90
	15.0	10.0	5.06	1.55	4.89	1.58	4.80	1.61	4.71	1.65	4.54	1.67
	20.0	15.0	5.06	1.37	4.89	1.40	4.80	1.43	4.71	1.46	4.54	1.49
24.0	18.0	5.06	1.22	4.89	1.25	4.80	1.28	4.71	1.29	4.54	1.32	
19	-15.0	-16.0	3.05	1.29	3.05	1.31	2.96	1.34	2.87	1.37	2.78	1.40
	-10.0	-11.0	3.69	1.36	3.60	1.39	3.50	1.42	3.40	1.44	3.31	1.47
	-5.0	-7.0	4.20	1.43	4.10	1.46	4.00	1.49	3.90	1.52	3.80	1.55
	0.0	-2.0	4.36	1.45	4.28	1.48	4.20	1.51	4.04	1.54	3.95	1.57
	5.0	3.0	4.80	1.37	4.71	1.40	4.63	1.43	4.46	1.46	4.38	1.49
	7.0	6.0	5.06	1.34	4.89	1.38	4.80	1.40	4.71	1.42	4.54	1.46
	10.0	8.0	5.06	1.75	4.89	1.78	4.80	1.82	4.71	1.86	4.54	1.90
	15.0	10.0	5.06	1.55	4.89	1.58	4.80	1.61	4.71	1.65	4.54	1.67
	20.0	15.0	5.06	1.37	4.89	1.40	4.80	1.43	4.71	1.46	4.54	1.49
24.0	18.0	5.06	1.22	4.89	1.25	4.80	1.28	4.71	1.29	4.54	1.32	
18	-15.0	-16.0	3.05	1.29	3.05	1.31	2.96	1.34	2.87	1.37	2.78	1.40
	-10.0	-11.0	3.69	1.36	3.60	1.39	3.50	1.42	3.40	1.44	3.31	1.47
	-5.0	-7.0	4.20	1.43	4.10	1.46	4.00	1.49	3.90	1.52	3.80	1.55
	0.0	-2.0	4.36	1.45	4.28	1.48	4.20	1.51	4.04	1.54	3.95	1.57
	5.0	3.0	4.80	1.37	4.71	1.40	4.63	1.43	4.46	1.46	4.38	1.49
	7.0	6.0	5.06	1.34	4.89	1.38	4.80	1.40	4.71	1.42	4.54	1.46
	10.0	8.0	5.06	1.75	4.89	1.78	4.80	1.82	4.71	1.86	4.54	1.90
	15.0	10.0	5.06	1.55	4.89	1.58	4.80	1.61	4.71	1.65	4.54	1.67
	20.0	15.0	5.06	1.37	4.89	1.40	4.80	1.43	4.71	1.46	4.54	1.49
24.0	18.0	5.06	1.22	4.89	1.25	4.80	1.28	4.71	1.29	4.54	1.32	
16	-15.0	-16.0	3.05	1.29	3.05	1.31	2.96	1.34	2.87	1.37	2.78	1.40
	-10.0	-11.0	3.69	1.36	3.60	1.39	3.50	1.42	3.40	1.44	3.31	1.47
	-5.0	-7.0	4.20	1.43	4.10	1.46	4.00	1.49	3.90	1.52	3.80	1.55
	0.0	-2.0	4.36	1.45	4.28	1.48	4.20	1.51	4.04	1.54	3.95	1.57
	5.0	3.0	4.80	1.37	4.71	1.40	4.63	1.43	4.46	1.46	4.38	1.49
	7.0	6.0	5.06	1.34	4.89	1.38	4.80	1.40	4.71	1.42	4.54	1.46
	10.0	8.0	5.06	1.75	4.89	1.78	4.80	1.82	4.71	1.86	4.54	1.90
	15.0	10.0	5.06	1.55	4.89	1.58	4.80	1.61	4.71	1.65	4.54	1.67
	20.0	15.0	5.06	1.37	4.89	1.40	4.80	1.43	4.71	1.46	4.54	1.49
24.0	18.0	5.06	1.22	4.89	1.25	4.80	1.28	4.71	1.29	4.54	1.32	
14	-15.0	-16.0	3.05	1.29	3.05	1.31	2.96	1.34	2.87	1.37	2.78	1.40
	-10.0	-11.0	3.69	1.36	3.60	1.39	3.50	1.42	3.40	1.44	3.31	1.47
	-5.0	-7.0	4.20	1.43	4.10	1.46	4.00	1.49	3.90	1.52	3.80	1.55
	0.0	-2.0	4.36	1.45	4.28	1.48	4.20	1.51	4.04	1.54	3.95	1.57
	5.0	3.0	4.80	1.37	4.71	1.40	4.63	1.43	4.46	1.46	4.38	1.49
	7.0	6.0	5.06	1.34	4.89	1.38	4.80	1.40	4.71	1.42	4.54	1.46
	10.0	8.0	5.06	1.75	4.89	1.78	4.80	1.82	4.71	1.86	4.54	1.90
	15.0	10.0	5.06	1.55	4.89	1.58	4.80	1.61	4.71	1.65	4.54	1.67
	20.0	15.0	5.06	1.37	4.89	1.40	4.80	1.43	4.71	1.46	4.54	1.49
24.0	18.0	5.06	1.22	4.89	1.25	4.80	1.28	4.71	1.29	4.54	1.32	

● Wall-mounted type

- TC: Total Capacity (kW)
- Values mentioned in the table are based on the following conditions:
 - Pipe length: 5 m, Height difference: 0 m. (Between outdoor unit and indoor unit.)

Model: ASEH07KLTBL

Outdoor temperature		Indoor temperature (°CDB)				
		16.0	18.0	20.0	22.0	24.0
°CDB	°CWB	TC	TC	TC	TC	TC
-15.0	-16.0					
-10.0	-11.0					
-5.0	-7.0					
0.0	-2.0					
5.0	3.0					
7.0	6.0					
10.0	8.0					
15.0	10.0					
20.0	15.0					
24.0	18.0					

Model: ASEH09KLTBL

Outdoor temperature		Indoor temperature (°CDB)				
		16.0	18.0	20.0	22.0	24.0
°CDB	°CWB	TC	TC	TC	TC	TC
-15.0	-16.0					
-10.0	-11.0					
-5.0	-7.0					
0.0	-2.0					
5.0	3.0					
7.0	6.0					
10.0	8.0					
15.0	10.0					
20.0	15.0					
24.0	18.0					

Model: ASEH12KLTBL

Outdoor temperature		Indoor temperature (°CDB)				
		16.0	18.0	20.0	22.0	24.0
°CDB	°CWB	TC	TC	TC	TC	TC
-15.0	-16.0					
-10.0	-11.0					
-5.0	-7.0					
0.0	-2.0					
5.0	3.0					
7.0	6.0					
10.0	8.0					
15.0	10.0					
20.0	15.0					
24.0	18.0					

Model: AOEH18KACB2

- TC: Total Capacity (kW)
- IP: Input Power (kW)
- Values mentioned in the table are based on the following conditions:
 - Power source of specifications: 230 V
 - Pipe length: 5 m, Height difference: 0 m. (Between outdoor unit and indoor unit.)
- 2 or more indoor units should be connected.
- The total ability of connected a indoor unit is from 14,000 Btu/h up to 24,000 Btu/h.
- Input in the table are calculated based on the maximum indoor unit input combinations.

Indoor unit connect- ing capacity	Outdoor temperature		Indoor temperature									
			16.0°CDB		18.0°CDB		20.0°CDB		22.0°CDB		24.0°CDB	
	kBtu/h	°CDB	°CWB	TC	IP	TC	IP	TC	IP	TC	IP	TC
24	-15.0	-16.0	3.10	1.34	3.10	1.36	3.01	1.39	2.92	1.42	2.82	1.45
	-10.0	-11.0	3.71	1.40	3.61	1.43	3.51	1.46	3.41	1.48	3.32	1.51
	-5.0	-7.0	4.20	1.48	4.10	1.51	4.00	1.54	3.90	1.57	3.80	1.60
	0.0	-2.0	4.98	1.60	4.88	1.64	4.79	1.67	4.60	1.70	4.51	1.74
	5.0	3.0	5.87	1.69	5.76	1.73	5.66	1.76	5.45	1.79	5.35	1.83
	7.0	6.0	6.33	1.73	6.11	1.77	6.00	1.80	5.89	1.83	5.67	1.87
	10.0	8.0	6.33	1.75	6.11	1.78	6.00	1.82	5.89	1.86	5.67	1.90
	15.0	10.0	6.33	1.54	6.11	1.57	6.00	1.60	5.89	1.64	5.67	1.66
	20.0	15.0	6.33	1.39	6.11	1.42	6.00	1.45	5.89	1.48	5.67	1.51
21	-15.0	-16.0	3.10	1.34	3.10	1.36	3.01	1.39	2.92	1.42	2.82	1.45
	-10.0	-11.0	3.71	1.40	3.61	1.43	3.51	1.46	3.41	1.48	3.32	1.51
	-5.0	-7.0	4.20	1.48	4.10	1.51	4.00	1.54	3.90	1.57	3.80	1.60
	0.0	-2.0	4.98	1.60	4.88	1.64	4.79	1.67	4.60	1.70	4.51	1.74
	5.0	3.0	5.87	1.69	5.76	1.73	5.66	1.76	5.45	1.79	5.35	1.83
	7.0	6.0	6.33	1.73	6.11	1.77	6.00	1.80	5.89	1.83	5.67	1.87
	10.0	8.0	6.33	1.75	6.11	1.78	6.00	1.82	5.89	1.86	5.67	1.90
	15.0	10.0	6.33	1.54	6.11	1.57	6.00	1.60	5.89	1.64	5.67	1.66
	20.0	15.0	6.33	1.39	6.11	1.42	6.00	1.45	5.89	1.48	5.67	1.51
19	-15.0	-16.0	3.10	1.34	3.10	1.36	3.01	1.39	2.92	1.42	2.82	1.45
	-10.0	-11.0	3.71	1.40	3.61	1.43	3.51	1.46	3.41	1.48	3.32	1.51
	-5.0	-7.0	4.20	1.48	4.10	1.51	4.00	1.54	3.90	1.57	3.80	1.60
	0.0	-2.0	4.98	1.60	4.88	1.64	4.79	1.67	4.60	1.70	4.51	1.74
	5.0	3.0	5.87	1.69	5.76	1.73	5.66	1.76	5.45	1.79	5.35	1.83
	7.0	6.0	6.33	1.73	6.11	1.77	6.00	1.80	5.89	1.83	5.67	1.87
	10.0	8.0	6.33	1.75	6.11	1.78	6.00	1.82	5.89	1.86	5.67	1.90
	15.0	10.0	6.33	1.54	6.11	1.57	6.00	1.60	5.89	1.64	5.67	1.66
	20.0	15.0	6.33	1.39	6.11	1.42	6.00	1.45	5.89	1.48	5.67	1.51
18	-15.0	-16.0	3.10	1.34	3.10	1.36	3.01	1.39	2.92	1.42	2.82	1.45
	-10.0	-11.0	3.71	1.40	3.61	1.43	3.51	1.46	3.41	1.48	3.32	1.51
	-5.0	-7.0	4.20	1.48	4.10	1.51	4.00	1.54	3.90	1.57	3.80	1.60
	0.0	-2.0	4.98	1.60	4.88	1.64	4.79	1.67	4.60	1.70	4.51	1.74
	5.0	3.0	5.87	1.69	5.76	1.73	5.66	1.76	5.45	1.79	5.35	1.83
	7.0	6.0	6.33	1.73	6.11	1.77	6.00	1.80	5.89	1.83	5.67	1.87
	10.0	8.0	6.33	1.75	6.11	1.78	6.00	1.82	5.89	1.86	5.67	1.90
	15.0	10.0	6.33	1.54	6.11	1.57	6.00	1.60	5.89	1.64	5.67	1.66
	20.0	15.0	6.33	1.39	6.11	1.42	6.00	1.45	5.89	1.48	5.67	1.51
16	-15.0	-16.0	2.79	1.06	2.79	1.08	2.71	1.10	2.63	1.12	2.54	1.15
	-10.0	-11.0	3.34	1.10	3.25	1.13	3.16	1.15	3.07	1.17	2.99	1.19
	-5.0	-7.0	3.78	1.16	3.69	1.19	3.60	1.21	3.51	1.23	3.42	1.26
	0.0	-2.0	4.48	1.26	4.39	1.30	4.31	1.32	4.14	1.34	4.06	1.38
	5.0	3.0	5.28	1.33	5.18	1.37	5.09	1.39	4.90	1.41	4.81	1.45
	7.0	6.0	5.70	1.36	5.50	1.40	5.40	1.42	5.30	1.44	5.10	1.48
	10.0	8.0	5.70	1.38	5.50	1.41	5.40	1.44	5.30	1.47	5.10	1.50
	15.0	10.0	5.70	1.21	5.50	1.24	5.40	1.26	5.30	1.29	5.10	1.31
	20.0	15.0	5.70	1.09	5.50	1.12	5.40	1.14	5.30	1.16	5.10	1.19
14	-15.0	-16.0	2.43	0.83	2.43	0.84	2.36	0.86	2.29	0.88	2.21	0.90
	-10.0	-11.0	2.91	0.87	2.83	0.89	2.75	0.91	2.67	0.92	2.60	0.94
	-5.0	-7.0	3.29	0.92	3.21	0.94	3.13	0.96	3.05	0.98	2.97	1.00
	0.0	-2.0	3.90	1.00	3.82	1.02	3.75	1.04	3.60	1.06	3.53	1.08
	5.0	3.0	4.59	1.06	4.51	1.08	4.43	1.10	4.27	1.12	4.19	1.14
	7.0	6.0	4.96	1.08	4.79	1.10	4.70	1.12	4.61	1.14	4.44	1.16
	10.0	8.0	4.96	1.09	4.79	1.11	4.70	1.13	4.61	1.15	4.44	1.18
	15.0	10.0	4.96	0.96	4.79	0.98	4.70	1.00	4.61	1.03	4.44	1.04
	20.0	15.0	4.96	0.86	4.79	0.88	4.70	0.90	4.61	0.92	4.44	0.94
24.0	18.0	4.96	0.79	4.79	0.81	4.70	0.83	4.61	0.84	4.44	0.86	

● Wall-mounted type

- TC: Total Capacity (kW)
- Values mentioned in the table are based on the following conditions:
 - Pipe length: 5 m, Height difference: 0 m. (Between outdoor unit and indoor unit.)

Model: ASEH07KLTBL

Outdoor temperature		Indoor temperature (°CDB)				
		16.0	18.0	20.0	22.0	24.0
°CDB	°CWB	TC	TC	TC	TC	TC
-15.0	-16.0					
-10.0	-11.0					
-5.0	-7.0					
0.0	-2.0					
5.0	3.0					
7.0	6.0					
10.0	8.0					
15.0	10.0					
20.0	15.0					
24.0	18.0					

Model: ASEH09KLTBL

Outdoor temperature		Indoor temperature (°CDB)				
		16.0	18.0	20.0	22.0	24.0
°CDB	°CWB	TC	TC	TC	TC	TC
-15.0	-16.0					
-10.0	-11.0					
-5.0	-7.0					
0.0	-2.0					
5.0	3.0					
7.0	6.0					
10.0	8.0					
15.0	10.0					
20.0	15.0					
24.0	18.0					

Model: ASEH12KLTBL

Outdoor temperature		Indoor temperature (°CDB)				
		16.0	18.0	20.0	22.0	24.0
°CDB	°CWB	TC	TC	TC	TC	TC
-15.0	-16.0					
-10.0	-11.0					
-5.0	-7.0					
0.0	-2.0					
5.0	3.0					
7.0	6.0					
10.0	8.0					
15.0	10.0					
20.0	15.0					
24.0	18.0					

Model: AOEH18KACB3

- TC: Total Capacity (kW)
- IP: Input Power (kW)
- Values mentioned in the table are based on the following conditions:
 - Power source of specifications: 230 V
 - Pipe length: 5 m, Height difference: 0 m. (Between outdoor unit and indoor unit.)
- 2 or more indoor units should be connected.
- The total ability of connected a indoor unit is from 14,000 Btu/h up to 30,000 Btu/h.
- Input in the table are calculated based on the maximum indoor unit input combinations.

Indoor unit connecting capacity	Outdoor temperature		Indoor temperature									
			16.0°CDB		18.0°CDB		20.0°CDB		22.0°CDB		24.0°CDB	
	kBtu/h	°CDB	°CWB	TC	IP	TC	IP	TC	IP	TC	IP	TC
30	-15.0	-16.0	6.38	2.25	6.22	2.30	6.07	2.34	5.92	2.38	5.77	2.44
	-10.0	-11.0	6.55	2.26	6.39	2.30	6.23	2.35	6.08	2.40	5.92	2.44
	-5.0	-7.0	6.72	2.27	6.57	2.31	6.40	2.36	6.24	2.41	6.08	2.45
	0.0	-2.0	7.08	2.26	6.91	2.32	6.74	2.36	6.57	2.41	6.40	2.46
	5.0	3.0	7.88	2.25	7.69	2.31	7.50	2.35	7.31	2.39	7.13	2.44
	7.0	6.0	8.19	2.26	8.00	2.30	7.80	2.35	7.61	2.40	7.41	2.44
	10.0	8.0	8.19	2.26	8.00	2.30	7.80	2.35	7.61	2.39	7.41	2.44
	15.0	10.0	8.19	2.29	8.00	2.33	7.80	2.38	7.61	2.44	7.41	2.49
	20.0	15.0	8.19	2.21	8.00	2.25	7.80	2.30	7.61	2.35	7.41	2.39
24.0	18.0	8.19	2.15	8.00	2.20	7.80	2.24	7.61	2.30	7.41	2.33	
28	-15.0	-16.0	6.38	2.25	6.22	2.30	6.07	2.34	5.92	2.38	5.77	2.44
	-10.0	-11.0	6.55	2.26	6.39	2.30	6.23	2.35	6.08	2.40	5.92	2.44
	-5.0	-7.0	6.72	2.27	6.57	2.31	6.40	2.36	6.24	2.41	6.08	2.45
	0.0	-2.0	7.08	2.26	6.91	2.32	6.74	2.36	6.57	2.41	6.40	2.46
	5.0	3.0	7.88	2.25	7.69	2.31	7.50	2.35	7.31	2.39	7.13	2.44
	7.0	6.0	8.19	2.26	8.00	2.30	7.80	2.35	7.61	2.40	7.41	2.44
	10.0	8.0	8.19	2.26	8.00	2.30	7.80	2.35	7.61	2.39	7.41	2.44
	15.0	10.0	8.19	2.29	8.00	2.33	7.80	2.38	7.61	2.44	7.41	2.49
	20.0	15.0	8.19	2.21	8.00	2.25	7.80	2.30	7.61	2.35	7.41	2.39
24.0	18.0	8.19	2.15	8.00	2.20	7.80	2.24	7.61	2.30	7.41	2.33	
27	-15.0	-16.0	6.38	2.25	6.22	2.30	6.07	2.34	5.92	2.38	5.77	2.44
	-10.0	-11.0	6.55	2.26	6.39	2.30	6.23	2.35	6.08	2.40	5.92	2.44
	-5.0	-7.0	6.72	2.27	6.57	2.31	6.40	2.36	6.24	2.41	6.08	2.45
	0.0	-2.0	7.08	2.26	6.91	2.32	6.74	2.36	6.57	2.41	6.40	2.46
	5.0	3.0	7.88	2.25	7.69	2.31	7.50	2.35	7.31	2.39	7.13	2.44
	7.0	6.0	8.19	2.26	8.00	2.30	7.80	2.35	7.61	2.40	7.41	2.44
	10.0	8.0	8.19	2.26	8.00	2.30	7.80	2.35	7.61	2.39	7.41	2.44
	15.0	10.0	8.19	2.29	8.00	2.33	7.80	2.38	7.61	2.44	7.41	2.49
	20.0	15.0	8.19	2.21	8.00	2.25	7.80	2.30	7.61	2.35	7.41	2.39
24.0	18.0	8.19	2.15	8.00	2.20	7.80	2.24	7.61	2.30	7.41	2.33	
26	-15.0	-16.0	6.38	2.25	6.22	2.30	6.07	2.34	5.92	2.38	5.77	2.44
	-10.0	-11.0	6.55	2.26	6.39	2.30	6.23	2.35	6.08	2.40	5.92	2.44
	-5.0	-7.0	6.72	2.27	6.57	2.31	6.40	2.36	6.24	2.41	6.08	2.45
	0.0	-2.0	7.08	2.26	6.91	2.32	6.74	2.36	6.57	2.41	6.40	2.46
	5.0	3.0	7.88	2.25	7.69	2.31	7.50	2.35	7.31	2.39	7.13	2.44
	7.0	6.0	8.19	2.26	8.00	2.30	7.80	2.35	7.61	2.40	7.41	2.44
	10.0	8.0	8.19	2.26	8.00	2.30	7.80	2.35	7.61	2.39	7.41	2.44
	15.0	10.0	8.19	2.29	8.00	2.33	7.80	2.38	7.61	2.44	7.41	2.49
	20.0	15.0	8.19	2.21	8.00	2.25	7.80	2.30	7.61	2.35	7.41	2.39
24.0	18.0	8.19	2.15	8.00	2.20	7.80	2.24	7.61	2.30	7.41	2.33	
25	-15.0	-16.0	6.38	2.25	6.22	2.30	6.07	2.34	5.92	2.38	5.77	2.44
	-10.0	-11.0	6.55	2.26	6.39	2.30	6.23	2.35	6.08	2.40	5.92	2.44
	-5.0	-7.0	6.72	2.27	6.57	2.31	6.40	2.36	6.24	2.41	6.08	2.45
	0.0	-2.0	7.08	2.26	6.91	2.32	6.74	2.36	6.57	2.41	6.40	2.46
	5.0	3.0	7.88	2.25	7.69	2.31	7.50	2.35	7.31	2.39	7.13	2.44
	7.0	6.0	8.19	2.26	8.00	2.30	7.80	2.35	7.61	2.40	7.41	2.44
	10.0	8.0	8.19	2.26	8.00	2.30	7.80	2.35	7.61	2.39	7.41	2.44
	15.0	10.0	8.19	2.29	8.00	2.33	7.80	2.38	7.61	2.44	7.41	2.49
	20.0	15.0	8.19	2.21	8.00	2.25	7.80	2.30	7.61	2.35	7.41	2.39
24.0	18.0	8.19	2.15	8.00	2.20	7.80	2.24	7.61	2.30	7.41	2.33	
24	-15.0	-16.0	6.38	2.25	6.22	2.30	6.07	2.34	5.92	2.38	5.77	2.44
	-10.0	-11.0	6.55	2.26	6.39	2.30	6.23	2.35	6.08	2.40	5.92	2.44
	-5.0	-7.0	6.72	2.27	6.57	2.31	6.40	2.36	6.24	2.41	6.08	2.45
	0.0	-2.0	7.08	2.26	6.91	2.32	6.74	2.36	6.57	2.41	6.40	2.46
	5.0	3.0	7.88	2.25	7.69	2.31	7.50	2.35	7.31	2.39	7.13	2.44
	7.0	6.0	8.19	2.26	8.00	2.30	7.80	2.35	7.61	2.40	7.41	2.44
	10.0	8.0	8.19	2.26	8.00	2.30	7.80	2.35	7.61	2.39	7.41	2.44
	15.0	10.0	8.19	2.29	8.00	2.33	7.80	2.38	7.61	2.44	7.41	2.49
	20.0	15.0	8.19	2.21	8.00	2.25	7.80	2.30	7.61	2.35	7.41	2.39
24.0	18.0	8.19	2.15	8.00	2.20	7.80	2.24	7.61	2.30	7.41	2.33	
23	-15.0	-16.0	6.38	2.25	6.22	2.30	6.07	2.34	5.92	2.38	5.77	2.44
	-10.0	-11.0	6.55	2.26	6.39	2.30	6.23	2.35	6.08	2.40	5.92	2.44
	-5.0	-7.0	6.72	2.27	6.57	2.31	6.40	2.36	6.24	2.41	6.08	2.45
	0.0	-2.0	7.08	2.26	6.91	2.32	6.74	2.36	6.57	2.41	6.40	2.46
	5.0	3.0	7.88	2.25	7.69	2.31	7.50	2.35	7.31	2.39	7.13	2.44
	7.0	6.0	8.19	2.26	8.00	2.30	7.80	2.35	7.61	2.40	7.41	2.44
	10.0	8.0	8.19	2.26	8.00	2.30	7.80	2.35	7.61	2.39	7.41	2.44
	15.0	10.0	8.19	2.29	8.00	2.33	7.80	2.38	7.61	2.44	7.41	2.49
	20.0	15.0	8.19	2.21	8.00	2.25	7.80	2.30	7.61	2.35	7.41	2.39
24.0	18.0	8.19	2.15	8.00	2.20	7.80	2.24	7.61	2.30	7.41	2.33	

Indoor unit connecting capacity	Outdoor temperature		Indoor temperature									
			16.0°CDB		18.0°CDB		20.0°CDB		22.0°CDB		24.0°CDB	
kBtu/h	°CDB	°CWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
21	-15.0	-16.0	6.38	2.25	6.22	2.30	6.07	2.34	5.92	2.38	5.77	2.44
	-10.0	-11.0	6.55	2.26	6.39	2.30	6.23	2.35	6.08	2.40	5.92	2.44
	-5.0	-7.0	6.72	2.27	6.57	2.31	6.40	2.36	6.24	2.41	6.08	2.45
	0.0	-2.0	7.08	2.26	6.91	2.32	6.74	2.36	6.57	2.41	6.40	2.46
	5.0	3.0	7.88	2.25	7.69	2.31	7.50	2.35	7.31	2.39	7.13	2.44
	7.0	6.0	8.19	2.26	8.00	2.30	7.80	2.35	7.61	2.40	7.41	2.44
	10.0	8.0	8.19	2.26	8.00	2.30	7.80	2.35	7.61	2.39	7.41	2.44
	15.0	10.0	8.19	2.29	8.00	2.33	7.80	2.38	7.61	2.44	7.41	2.49
	20.0	15.0	8.19	2.21	8.00	2.25	7.80	2.30	7.61	2.35	7.41	2.39
24.0	18.0	8.19	2.15	8.00	2.20	7.80	2.24	7.61	2.30	7.41	2.33	
19	-15.0	-16.0	5.89	2.17	5.74	2.22	5.60	2.26	5.46	2.30	5.32	2.36
	-10.0	-11.0	6.05	2.18	5.90	2.22	5.75	2.27	5.61	2.32	5.46	2.36
	-5.0	-7.0	6.21	2.19	6.07	2.23	5.91	2.28	5.76	2.33	5.61	2.37
	0.0	-2.0	6.53	2.18	6.38	2.24	6.22	2.28	6.06	2.33	5.91	2.38
	5.0	3.0	7.27	2.17	7.10	2.23	6.92	2.27	6.74	2.31	6.58	2.36
	7.0	6.0	7.56	2.18	7.38	2.22	7.20	2.27	7.02	2.32	6.84	2.36
	10.0	8.0	7.56	2.18	7.38	2.22	7.20	2.27	7.02	2.31	6.84	2.36
	15.0	10.0	7.56	2.21	7.38	2.25	7.20	2.30	7.02	2.36	6.84	2.41
	20.0	15.0	7.56	2.13	7.38	2.17	7.20	2.22	7.02	2.27	6.84	2.31
24.0	18.0	7.56	2.07	7.38	2.12	7.20	2.16	7.02	2.22	6.84	2.25	
18	-15.0	-16.0	5.89	2.17	5.74	2.22	5.60	2.26	5.46	2.30	5.32	2.36
	-10.0	-11.0	6.05	2.18	5.90	2.22	5.75	2.27	5.61	2.32	5.46	2.36
	-5.0	-7.0	6.21	2.19	6.07	2.23	5.91	2.28	5.76	2.33	5.61	2.37
	0.0	-2.0	6.53	2.18	6.38	2.24	6.22	2.28	6.06	2.33	5.91	2.38
	5.0	3.0	7.27	2.17	7.10	2.23	6.92	2.27	6.74	2.31	6.58	2.36
	7.0	6.0	7.56	2.18	7.38	2.22	7.20	2.27	7.02	2.32	6.84	2.36
	10.0	8.0	7.56	2.18	7.38	2.22	7.20	2.27	7.02	2.31	6.84	2.36
	15.0	10.0	7.56	2.21	7.38	2.25	7.20	2.30	7.02	2.36	6.84	2.41
	20.0	15.0	7.56	2.13	7.38	2.17	7.20	2.22	7.02	2.27	6.84	2.31
24.0	18.0	7.56	2.07	7.38	2.12	7.20	2.16	7.02	2.22	6.84	2.25	
16	-15.0	-16.0	5.23	1.95	5.10	2.00	4.98	2.03	4.86	2.06	4.73	2.12
	-10.0	-11.0	5.37	1.96	5.24	2.00	5.11	2.04	4.99	2.08	4.86	2.12
	-5.0	-7.0	5.51	1.97	5.39	2.01	5.25	2.05	5.12	2.09	4.99	2.13
	0.0	-2.0	5.81	1.96	5.67	2.02	5.53	2.05	5.39	2.09	5.25	2.14
	5.0	3.0	6.46	1.95	6.31	2.01	6.15	2.04	5.99	2.07	5.85	2.12
	7.0	6.0	6.72	1.96	6.56	2.00	6.40	2.04	6.24	2.08	6.08	2.12
	10.0	8.0	6.72	1.96	6.56	2.00	6.40	2.04	6.24	2.07	6.08	2.12
	15.0	10.0	6.72	1.99	6.56	2.03	6.40	2.07	6.24	2.12	6.08	2.17
	20.0	15.0	6.72	1.92	6.56	1.96	6.40	2.00	6.24	2.04	6.08	2.08
24.0	18.0	6.72	1.86	6.56	1.91	6.40	1.94	6.24	1.99	6.08	2.02	
14	-15.0	-16.0	4.58	1.57	4.47	1.60	4.36	1.63	4.25	1.66	4.14	1.70
	-10.0	-11.0	4.70	1.58	4.58	1.61	4.47	1.64	4.36	1.67	4.25	1.70
	-5.0	-7.0	4.82	1.59	4.71	1.62	4.59	1.65	4.48	1.68	4.36	1.71
	0.0	-2.0	5.08	1.58	4.96	1.62	4.84	1.65	4.72	1.68	4.60	1.72
	5.0	3.0	5.65	1.57	5.52	1.61	5.38	1.64	5.24	1.67	5.11	1.70
	7.0	6.0	5.88	1.58	5.74	1.61	5.60	1.64	5.46	1.67	5.32	1.70
	10.0	8.0	5.88	1.58	5.74	1.61	5.60	1.64	5.46	1.67	5.32	1.70
	15.0	10.0	5.88	1.60	5.74	1.63	5.60	1.66	5.46	1.70	5.32	1.74
	20.0	15.0	5.88	1.55	5.74	1.58	5.60	1.61	5.46	1.65	5.32	1.67
24.0	18.0	5.88	1.50	5.74	1.53	5.60	1.56	5.46	1.60	5.32	1.62	

OUTDOOR UNIT
AOEH14-18KACB*OUTDOOR UNIT
AOEH14-18KACB*

● Wall-mounted type

- TC: Total Capacity (kW)
- Values mentioned in the table are based on the following conditions:
 - Pipe length: 5 m, Height difference: 0 m. (Between outdoor unit and indoor unit.)

Model: ASEH07KLTBL

Outdoor temperature		Indoor temperature (°CDB)				
		16.0	18.0	20.0	22.0	24.0
°CDB	°CWB	TC	TC	TC	TC	TC
-15.0	-16.0					
-10.0	-11.0					
-5.0	-7.0					
0.0	-2.0					
5.0	3.0					
7.0	6.0					
10.0	8.0					
15.0	10.0					
20.0	15.0					
24.0	18.0					

TBD

Model: ASEH09KLTBL

Outdoor temperature		Indoor temperature (°CDB)				
		16.0	18.0	20.0	22.0	24.0
°CDB	°CWB	TC	TC	TC	TC	TC
-15.0	-16.0					
-10.0	-11.0					
-5.0	-7.0					
0.0	-2.0					
5.0	3.0					
7.0	6.0					
10.0	8.0					
15.0	10.0					
20.0	15.0					
24.0	18.0					

TBD

Model: ASEH12KLTBL

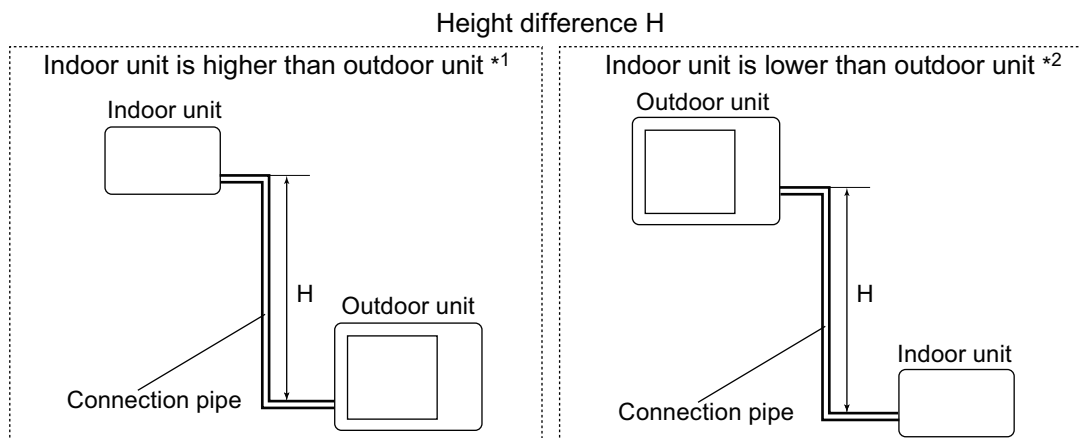
Outdoor temperature		Indoor temperature (°CDB)				
		16.0	18.0	20.0	22.0	24.0
°CDB	°CWB	TC	TC	TC	TC	TC
-15.0	-16.0					
-10.0	-11.0					
-5.0	-7.0					
0.0	-2.0					
5.0	3.0					
7.0	6.0					
10.0	8.0					
15.0	10.0					
20.0	15.0					
24.0	18.0					

TBD

OUTDOOR UNIT
AOEH14-18KACB*

OUTDOOR UNIT
AOEH14-18KACB*

7. Capacity compensation rate for pipe length and height difference



7-1. Models: AOEH14KACB2 and AOEH18KACB2

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

■ Indoor unit: 7,000 Btu/h

Cooling		Pipe length					
		m	2.5	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
		5	—	0.991	0.976	0.950	0.921
	Indoor unit is lower than outdoor unit *2	2.5	0.993	0.993	0.978	0.952	0.923
		0	1.000	1.000	0.985	0.959	0.930

Heating		Pipe length					
		m	2.5	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
		5	—	1.000	0.956	0.937	0.915
	Indoor unit is lower than outdoor unit *2	2.5	0.990	1.000	0.956	0.937	0.915
		0	0.990	1.000	0.956	0.937	0.915

Indoor unit: 9,000 Btu/h

Cooling		Pipe length					
		m	2.5	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
		5	—	0.991	0.968	0.938	0.905
		2.5	0.993	0.993	0.970	0.940	0.907
	Indoor unit is lower than outdoor unit *2	0	1.000	1.000	0.977	0.946	0.913
		-2.5	1.000	1.000	0.977	0.946	0.913
		-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	2.5	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
		5	—	1.000	0.956	0.937	0.914
		2.5	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
		-2.5	0.986	0.996	0.952	0.933	0.910
		-5	—	0.994	0.950	0.931	0.908
		-10	—	—	0.946	0.927	0.905
		-15	—	—	—	0.923	0.900

Indoor unit: 12,000 Btu/h

Cooling		Pipe length					
		m	2.5	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
		5	—	0.991	0.965	0.928	0.890
		2.5	0.993	0.993	0.967	0.930	0.893
	Indoor unit is lower than outdoor unit *2	0	1.000	1.000	0.974	0.936	0.899
		-2.5	1.000	1.000	0.974	0.936	0.899
		-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	2.5	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
		5	—	1.000	0.955	0.936	0.914
		2.5	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
		-2.5	0.988	0.996	0.951	0.932	0.910
		-5	—	0.994	0.949	0.930	0.908
		-10	—	—	0.945	0.927	0.905
		-15	—	—	—	0.922	0.900

7-2. Model: AOEH18KACB3

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

■ Indoor unit: 7,000 Btu/h

Cooling		Pipe length						
		m	2.5	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
		5	—	0.992	0.985	0.971	0.957	0.943
		2.5	0.999	0.996	0.989	0.975	0.961	0.947
	0	1.003	1.000	0.993	0.979	0.965	0.951	
	Indoor unit is lower than outdoor unit *2	-2.5	1.003	1.000	0.993	0.979	0.965	0.951
		-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	2.5	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
		5	—	1.000	0.993	0.977	0.958	0.939
		2.5	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	-2.5	0.988	0.997	0.991	0.975	0.956	0.937
		-5	—	0.995	0.988	0.972	0.953	0.934
		-10	—	—	0.983	0.967	0.948	0.930
-15		—	—	—	0.962	0.944	0.925	

■ Indoor unit: 9,000 Btu/h

Cooling		Pipe length						
		m	2.5	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
		5	—	0.992	0.985	0.971	0.957	0.943
		2.5	1.003	0.996	0.989	0.975	0.961	0.947
	0	1.007	1.000	0.993	0.979	0.965	0.951	
	Indoor unit is lower than outdoor unit *2	-2.5	1.007	1.000	0.993	0.979	0.965	0.951
		-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	2.5	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
		5	—	1.000	0.993	0.977	0.958	0.939
		2.5	0.993	1.000	0.993	0.977	0.958	0.939
	0	0.993	1.000	0.993	0.977	0.958	0.939	
	Indoor unit is lower than outdoor unit *2	-2.5	0.991	0.997	0.991	0.975	0.956	0.937
		-5	—	0.995	0.988	0.972	0.953	0.934
		-10	—	—	0.983	0.967	0.948	0.930
-15		—	—	—	0.962	0.944	0.925	

■ Indoor unit: 12,000 Btu/h

OUTDOOR UNIT
AOEH14-18KACB*

OUTDOOR UNIT
AOEH14-18KACB*

Cooling		Pipe length						
		m	2.5	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
		5	—	0.992	0.978	0.948	0.913	0.873
		2.5	1.010	0.996	0.982	0.952	0.917	0.876
	0	1.014	1.000	0.986	0.956	0.921	0.880	
	Indoor unit is lower than outdoor unit *2	-2.5	1.014	1.000	0.986	0.956	0.921	0.880
		-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	2.5	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
		5	—	1.000	0.990	0.975	0.957	0.940
		2.5	0.995	1.000	0.990	0.975	0.957	0.940
	0	0.995	1.000	0.990	0.975	0.957	0.940	
	Indoor unit is lower than outdoor unit *2	-2.5	0.993	0.997	0.988	0.973	0.955	0.938
		-5	—	0.995	0.985	0.970	0.952	0.936
		-10	—	—	0.980	0.965	0.947	0.931
-15		—	—	—	0.960	0.943	0.926	

8. Additional charge calculation

8-1. Model: AOEH14KACB2

Refrigerant type		R32
Factory charge amount	g	800

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

8-2. Model: AOEH18KACB2

Refrigerant type		R32
Factory charge amount	g	900

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

8-3. Model: AOEH18KACB3

Refrigerant type		R32
Factory charge amount	g	1,200

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

9. Airflow

9-1. Model: AOEH14KACB2

● Cooling

m ³ /h	1,680
l/s	467
CFM	989

● Heating

m ³ /h	1,900
l/s	528
CFM	1,118

9-2. Model: AOEH18KACB2

● Cooling

m ³ /h	1,710
l/s	475
CFM	1,007

● Heating

m ³ /h	1,840
l/s	511
CFM	1,083

9-3. Model: AOEH18KACB3

● Cooling

m ³ /h	2,220
l/s	617
CFM	1,307

● Heating

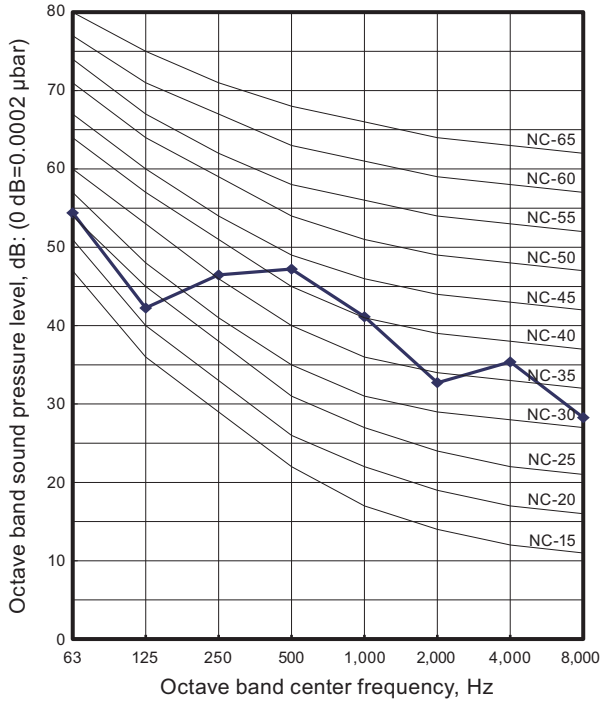
m ³ /h	2,340
l/s	650
CFM	1,377

10. Operation noise (sound pressure)

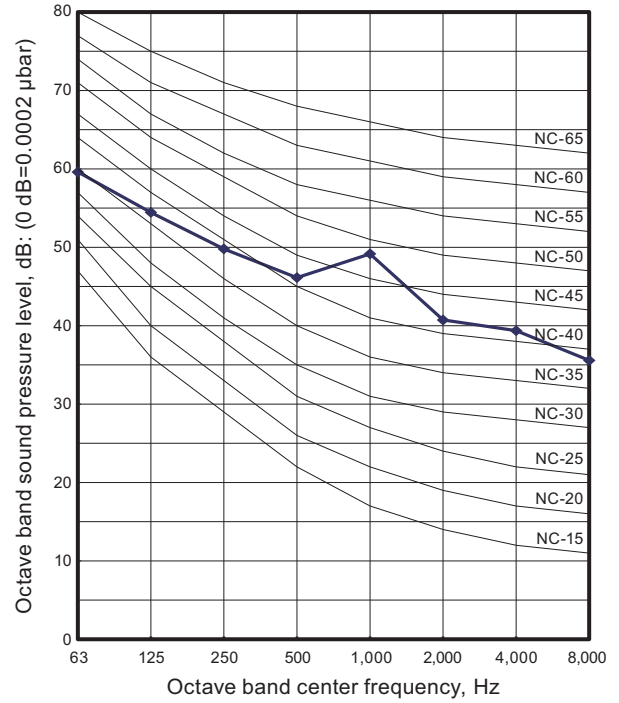
10-1. Noise level curve

Model: AOEH14KACB2

Cooling

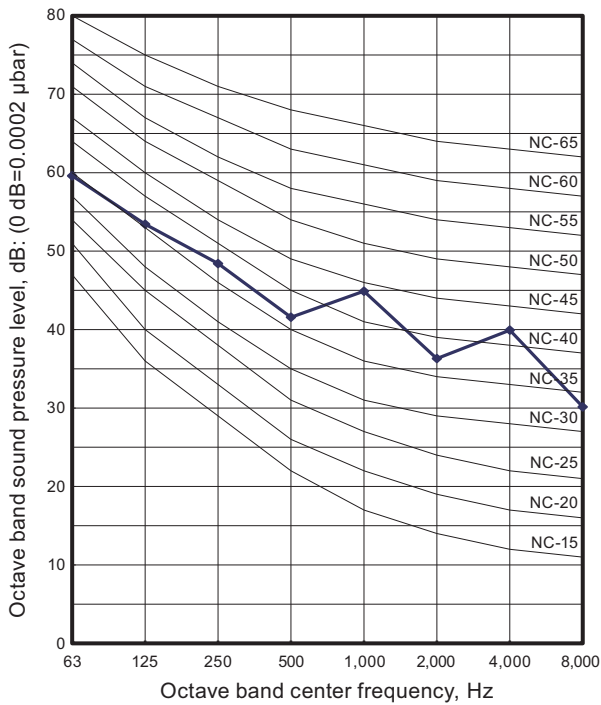


Heating

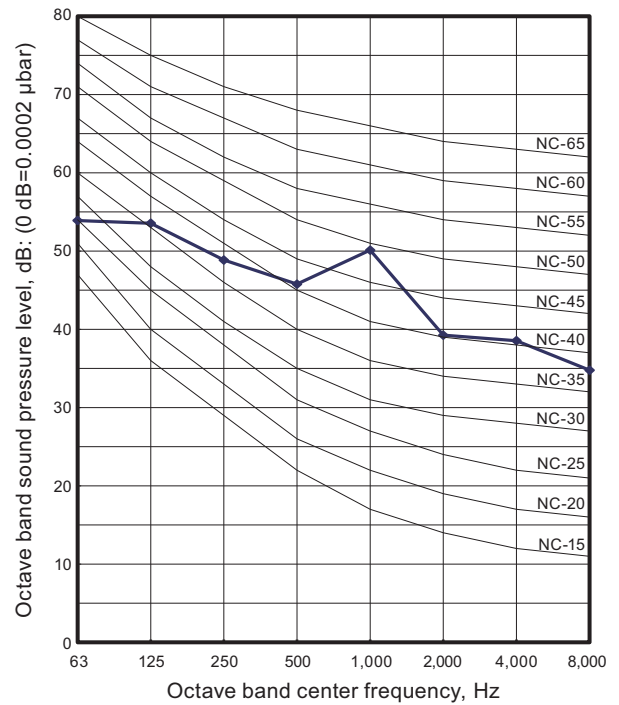


Model: AOEH18KACB2

Cooling



Heating

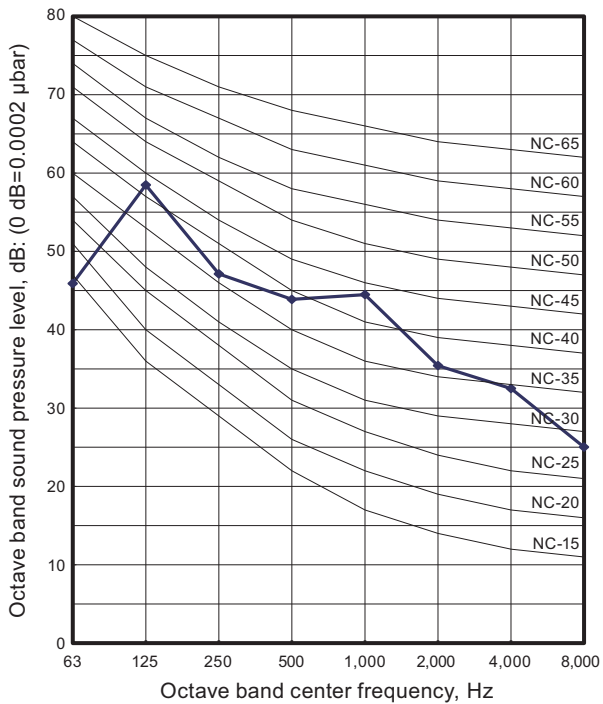


OUTDOOR UNIT
AOEH14-18KACB*

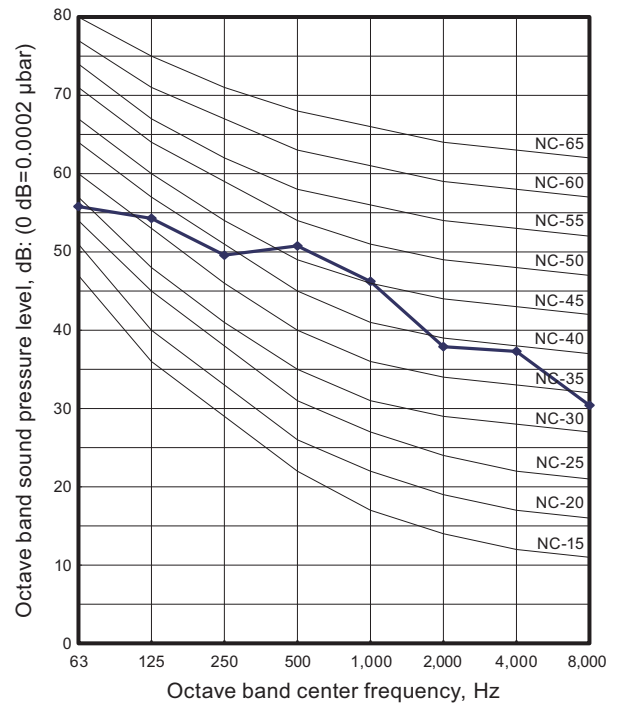
OUTDOOR UNIT
AOEH14-18KACB*

Model: AOEH18KACB3

● Cooling



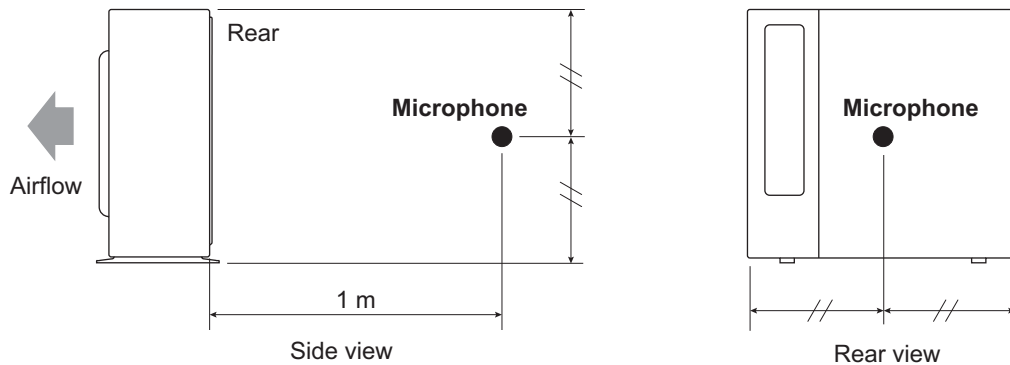
● Heating



OUTDOOR UNIT
AOEH14-18KACB*

OUTDOOR UNIT
AOEH14-18KACB*

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			AOEH14KACB2	AOEH18KACB2	AOEH18KACB3	
Power supply	Voltage	V	230			
	Frequency	Hz	50			
Maximum operating current *1		A	10.9		12.0	
Starting current		A	4.9	6.9	6.6	
Wiring spec. *2	Circuit breaker current		A	15		
	Power cable		mm ²	1.5	2.5	
	Connection cable*3	Cross-sectional area	mm ²	1.5		
		Limited wiring length	m	21		26

NOTES:

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

12. Safety devices

Type of protection	Protection form		Model	
			AOEH14KACB2 AOEH18KACB2	AOEH18KACB3
Circuit protection	Current fuse (Main PCB*)		250 V, 20 A 250 V, 5 A	250 V, 30 A 250 V, 10 A × 2 250 V, 3.15 A
Fan motor protection	Thermal protection program	Activate	127 ±5°C Fan motor stop	125 ±10°C Fan motor stop
		Reset	95°C or less Fan motor restart	120 ±10°C Fan motor restart
Compressor protection	Temperature thermistor (Discharge temp.)	Activate	110°C Compressor stop	
		Reset	After 7 minutes Compressor restart	
	Temperature thermistor (Compressor bottom temp.)	Activate	108°C Compressor stop	
		Reset	After 3 minutes, and 80°C or less Compressor restart	
	Thermal protection program (Outdoor temp.) (Only in COOL and DRY mode)	Activate	-20°C Compressor stop	
		Reset	-15°C Compressor restart	

*PCB: Printed Circuit Board

13. Function settings (3-unit multi-split)

Perform appropriate function setting locally according to the installation environment.

NOTE: Incorrect settings can cause a product malfunction.

⚠ CAUTION

- Before setting up the switch buttons, discharge the static electricity from your body.
- Never touch the terminals or the patterns on the parts that are mounted on the PCB.

13-1. Setting methods

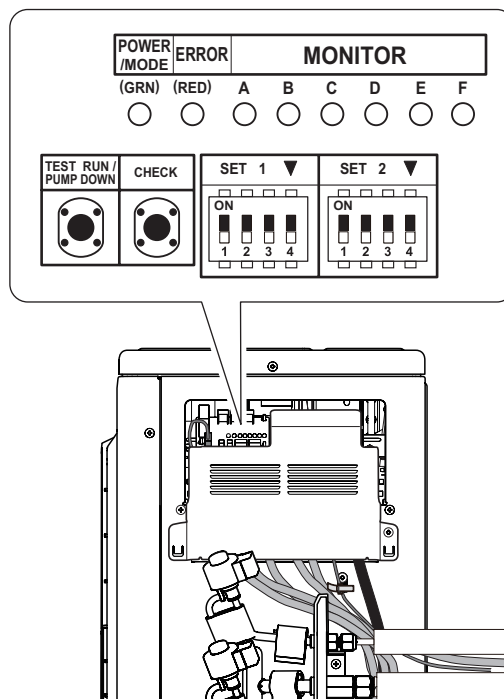
⚠ WARNING

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

⚠ CAUTION

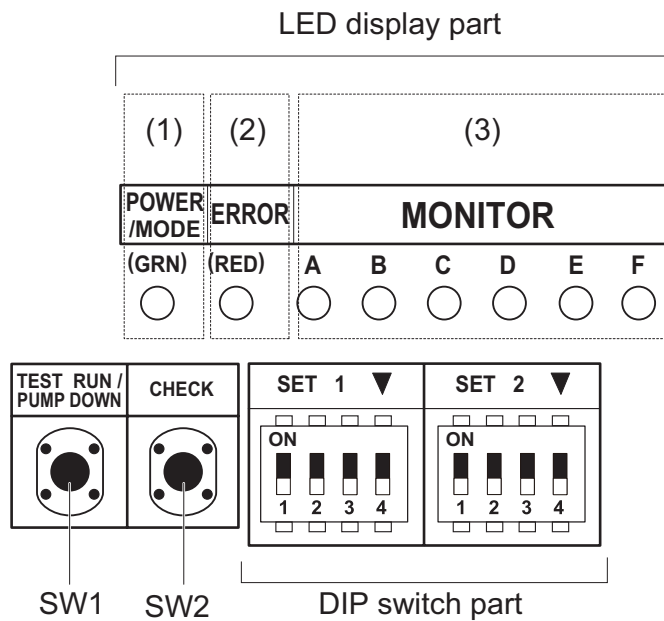
- Once refrigerant charging is completed, be sure to open the valve prior to performing the local settings. Otherwise, the compressor may fail.
- Discharge any static electricity from your body before touching the push switches. Never touch any terminal or pattern of any parts on the control board.

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



■ Setting method

Various settings can be adjusted by changing DIP switches and push switches on the PCB of the outdoor unit.



1. Be sure to disconnect the power supply or turn off the breaker.
2. Change the DIP switch setting according to the required setting.

■ Description of display

LED lamp			Function or operation method
(1)	POWER/MODE	Green	<ul style="list-style-type: none"> Turns on when the power supply is ON (Including when error occurs). Indicate the MODE by the number of flashes when the installation function is active.
(2)	ERROR	Red	Flashes at high-speed when there is an error.
(3)	MONITOR	A	<ul style="list-style-type: none"> Displays the location and contents of errors when there is an error. (Refer to Chapter 14-3. "Error code" on page 58 for details.) Displays when check run is activated. (Refer to Chapter 14-1. "Check run" on page 51 for details.)
		B	
		C	
		D	
		E	
		F	

Switch		Function or operation method	Factory setting
SW1	Push	<ul style="list-style-type: none"> For the test run start and stop. For the pump down start and stop. 	—
SW2	Push	<ul style="list-style-type: none"> For when check run function is activated. For displaying the check run. For resetting the Automatic wiring correction memory. 	—
SET1-1	DIP	For selecting cooling or heating during test operation.	OFF
SET1-2	DIP	For switching SW1 operation.	OFF
SET1-3	DIP	(Prohibited)	OFF (Do not change)
SET1-4	DIP	For outdoor unit low noise operation function.	OFF
SET2-1	DIP	For selecting outdoor unit low noise operation function.	OFF
SET2-2	DIP	(Prohibited)	OFF (Do not change)
SET2-3	DIP	Changing the current limit	OFF
SET2-4	DIP		

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

13-2. Outdoor unit low noise operation function

Change the outdoor unit low noise operation by using this setting.

⚠ CAUTION

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

SET1-4	Setting	Factory setting
ON	Function works	
OFF	Function not working	◆

SET2-1	Setting	Factory setting
ON	Lower	
OFF	Low	◆

13-3. Current limit function

Current value can be limited to meet specific current requirements.

NOTE: When changing this setting, explain to the customer beforehand that the capacity decreases.

SET2-3	SET2-4	Current	Factory setting
		AOEH18KACB3	
OFF	OFF	Full	◆
ON	OFF	10.0 A	
OFF	ON	8.0 A	

14. Check and test (3-unit multi-split)

14-1. Check run

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

■ Things to confirm before starting the check run

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

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

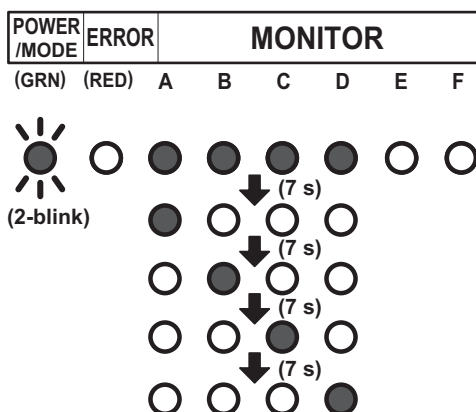
■ Restrictions applicable when performing the check run

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

4. After the check run is completed, results will be displayed. Fill the displayed results in the result table accordingly.

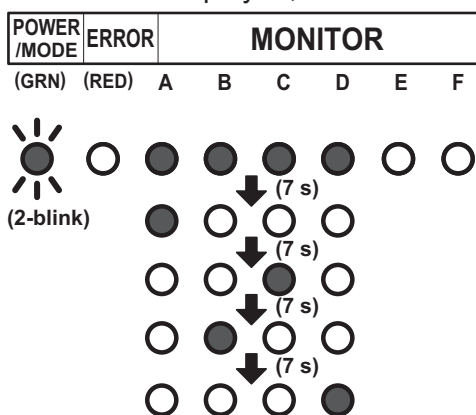
• **If the connection is correct (Example: When 4 indoor units are connected)**

After the number of connected units are displayed, the LED for each unit will light up in order from A to D.



• **If the connection is incorrect (Example: When connection of B and C of the 4 units are reversed)**

After the number of connected units are displayed, B and C will light up in reverse.



NOTES:

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

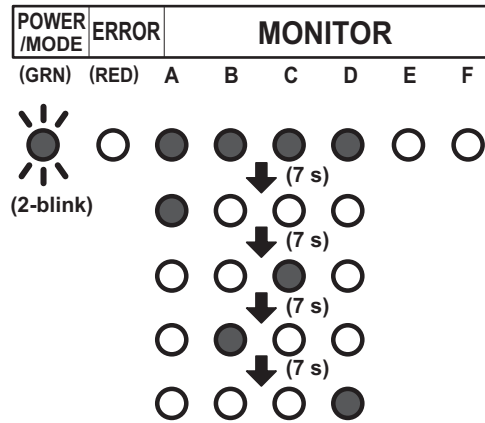
[How to record the contents]

- Fill the displayed results according to the following example.

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

<Displayed results>

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



<Example of result table>

- Write a ● where the LEDs light up in the order that they light up.

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

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

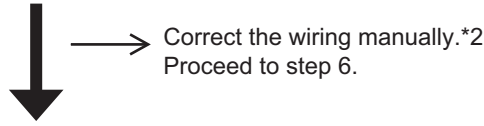
- Trace the dotted circle with a pen if multiple places light up.

A	B	C	D	E	F
○	○	○	○	⋯	⋯

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

A	B	C	D	E	F
Ⓐ	Ⓒ	Ⓑ	Ⓓ	⋯	⋯

c. Select the correction method.



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

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

<Result Table>

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

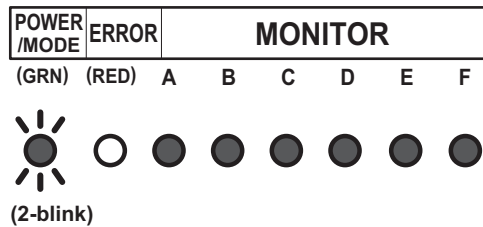
A	B	C	D	E	F
○	○	○	○	○	○

NOTES:

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

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

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



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

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

Notices:

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

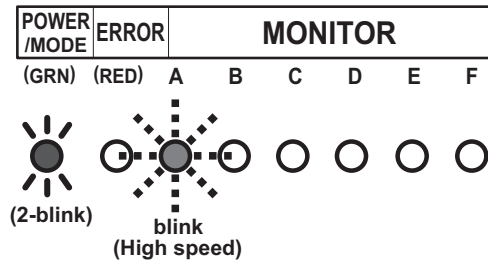
OUTDOOR UNIT
AOEH14-18KACB*

OUTDOOR UNIT
AOEH14-18KACB*

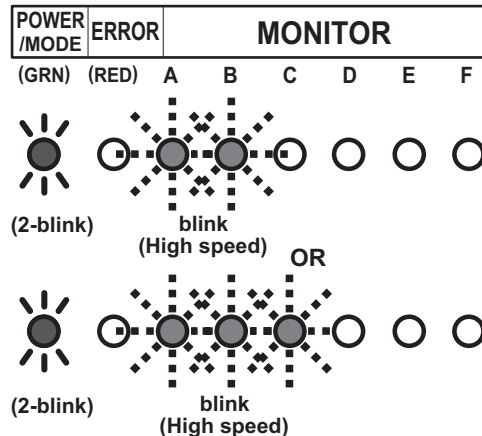
■ Failure indication of check-run judgment

The check run stops when there is an error, and the LED shows the relevant error indication. When you encounter the errors described here, perform checking by using the cooling test run of the indoor unit.

• Temperature out of range judgment



• Wiring/piping number difference



■ Redisplaying the results of check run

- When checking the content of automatic wiring correction, push the CHECK switch. The results of the check run is displayed. You can compare the result that is recorded in step (4) of Chapter 14-1-3. "[Operating procedure for check run](#)" on page 52.
- If the automatic wiring correction is not completed, the POWER/MODE LED blinks twice and the MONITOR LED turns off.

■ Memory resetting of automatic wiring correction

⚠ CAUTION

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

- Push the CHECK switch.
The LED lights as shown in "[Redisplaying the results of check run](#)" on page 56.
- When the LED is on, press the CHECK switch for more than 3 seconds.
- The LEDs from A to F light in sequence, and then all LEDs light to indicate the completion of the memory resetting of automatic wiring correction.
- Disconnect the power supply or turn off the breaker.

14-2. Test run

⚠ CAUTION

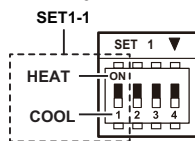
Always connect the power supply 12 hours prior to the start of the operation in order to protect the compressor.

1. Indoor unit
 - a. Is the drain normal?
 - b. Is there any abnormal noise and vibration during operation?
 2. Outdoor unit
 - a. Is there any abnormal noise and vibration during operation?
 - b. Will noise, wind, or drain water from the unit disturb the neighbors?
 - c. Is there any gas leakage?
- Do not operate the air conditioner in the test running state for a long time.

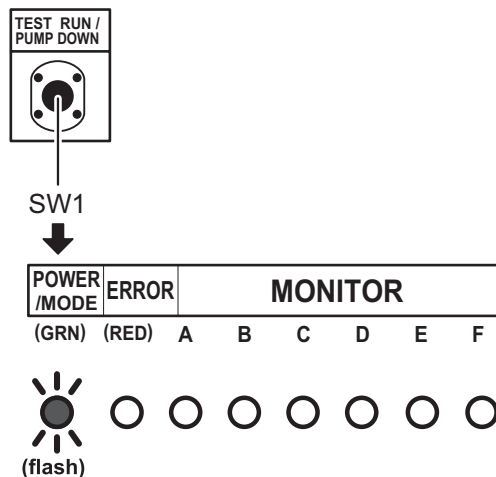
■ Test run method

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

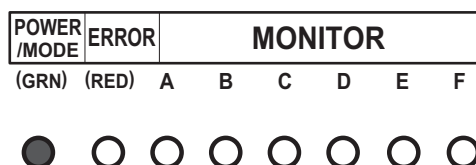
1. Check the 3-way valves (both at the liquid side and gas side) are opened. Confirm that the DIP switch SET1-2 is switched off.
2. Set the operation mode to COOL or HEAT. When switching the DIP switch SET1-1 between HEAT and COOL, disconnect the power supply or turn off the circuit breaker beforehand.



- In the first test run, be sure to set the operation mode to COOL.
 - The operation mode cannot be switched between COOL and HEAT during the test run. To switch the operation mode between COOL and HEAT, stop the test run, switch the operation mode, and then start the test run again.
3. Push TEST RUN switch for more than 3 seconds. The POWER / MODE LED flashes once.



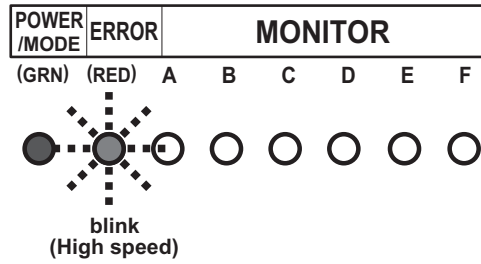
4. Confirm operating status.
5. Push TEST RUN switch for more than 3 seconds.



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

14-3. Error code

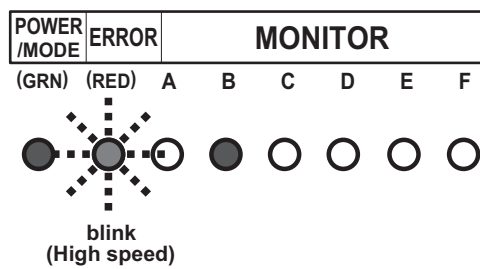
If an error occurs, the LED lights to inform the relevant location and the code.
When error occurs, the error LED blinks at high speed.



■ Error location

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

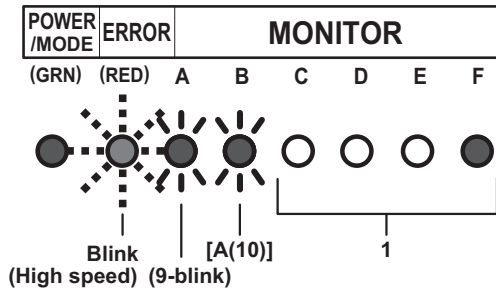
Example: Coil error on indoor unit B



■ Error code display

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

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



Display mode

LED on: ●

LED off: ○

Blink: 
(0.5s Light on / 0.5s Light off)

Number of blinking: ()

For MONITOR (A and B)

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

C	D	E	F	
○	○	○	●	→ 1
○	○	●	○	→ 2
○	○	●	●	→ 3
○	●	○	○	→ 4
○	●	○	●	→ 5
○	●	●	○	→ 6
○	●	●	●	→ 7
●	○	○	○	→ 8
●	○	○	●	→ 9
●	○	●	○	→ A
●	○	●	●	→ C
●	●	○	○	→ F
●	●	○	●	→ J
●	●	●	○	→ P
●	●	●	●	→ U

OUTDOOR UNIT
AOEH14-18KACB*

OUTDOOR UNIT
AOEH14-18KACB*

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

14-4. Pump down

⚠ WARNING

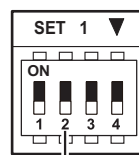
During the pump down operation, make sure that compressor is off before you remove the refrigerant pipe. Do not remove the connection pipe while the compressor is in operation with valve open. This may cause abnormal pressure in the refrigeration cycle that leads to breakage and even injury.

■ Pump down operation

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

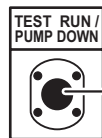
1. Connect the pressure gauge to the charging port.
2. Change the DIP switch on the board (SET1-2) to ON.

NOTE: Disconnect the power supply firmly on the breaker before changing the DIP switch settings.



DIP switch
(SET1-2)

3. To start operation, push the PUMP DOWN switch (SW1) for 3 seconds or push the switch after the power has been on for 3 minutes.



Push switch (SW1)

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

POWER /MODE	ERROR	MONITOR					
(GRN)	(RED)	A	B	C	D	E	F



(3-blink)

NOTE: If the PUMP DOWN switch (SW1) is pushed while the compressor is in operation, the compressor stops and the operation restart after about 3 minutes.

4. Close the liquid pipe valve.
5. When the value between 7.3 psi and 0 psi (0.05 MPa to 0 MPa) is shown, close the gas pipe valve.
6. Stop the pump down operation by pushing the PUMP DOWN switch (SW1) for 3 seconds. The LED light as follows.

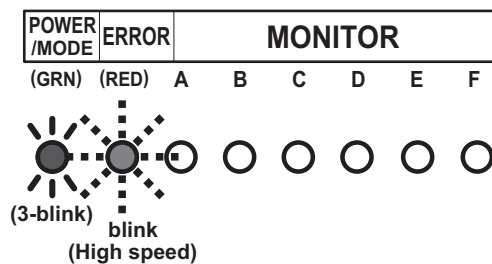
POWER /MODE	ERROR	MONITOR					
(GRN)	(RED)	A	B	C	D	E	F



(3-blink)

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



- NOTE:**
- Even if the pump down operation is not stopped by pushing the switch as in step 6, the operation stops automatically after 15 minutes, and the LED light as follows.



- After completing the pump down operation, disconnect the power supply or turn off the breaker.
 - If the pump down operation still continues, open the liquid pipe valve. Then perform the procedure again starting from step 3.
- To cancel the pump down operation, push the PUMP DOWN switch (SW1) again. The indication of the LED returns to the original state which is before starting the pump down operation.
(POWER/MODE LED: On)
- The pump down may stop before completion due to an error. To complete the pump down operation, correct the error, open the liquid pipe valve and then start from step 1 again. Otherwise, the refrigerant can be recovered from the service port.

15. Accessories

15-1. Models: AOEH14KACB2, AOEH18KACB2, and AOEH18KACB3

Part name	Exterior	Qty	Part name	Exterior	Qty
Installation manual		1	Drain pipe		1