



Light Commercial & Residential MULTI-SPLIT

- S-092 Multi-split Overview
- S-094 Outdoor Units Lineup
- S-096 2-unit to 8-unit Multi-split Connectable Indoor Units
- S-098 Simultaneous Multi-split Connectable Indoor Units
- S-140 Feature Explanation & Summary



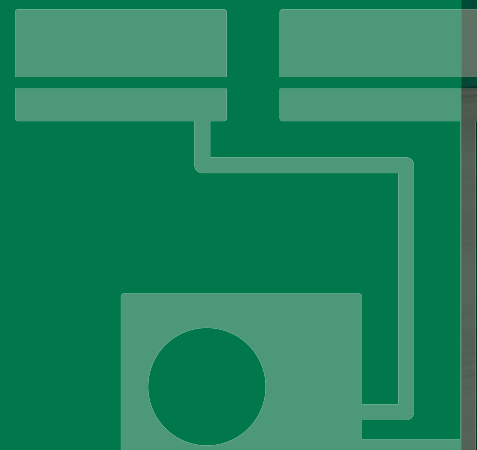
Refrigerant type R32 models

- S-100 2-unit Multi-split
- S-108 Simultaneous Multi-split Twin/Triple
-
- S-114 2-unit Multi-split Indoor Units Specifications
-
- S-118 2-unit Multi-split Combination Table



Refrigerant type R410A models

- 2-unit to 8-unit Multi-split**
- S-102 2-unit, 3-unit, 4-unit Multi-split
- S-104 5-unit, 6-unit Multi-split
- S-106 8-unit Multi-split
- Simultaneous Multi-split**
- S-110 Simultaneous Multi-split Twin/Triple
- S-112 Simultaneous Multi-split Twin/Triple/Double Twin
-
- S-116 2-unit to 8-unit Multi-split Indoor Units Specifications
-
- S-119 2-unit to 8-unit Multi-split Combination Table



Control several indoor units with one outdoor unit. Build the system you desire.

If you want to keep a large floor as well as many rooms comfortable, we recommend to use our Multi-split to build a compact system using just one outdoor unit. Choose from a large lineup of indoor units, which match up well to your rooms. You can mix and match them as you like. Build the system that is just right for you.

Multi-split Overview

Space-saving Multi-split outdoor units can connect up to 8 indoor units in multiple rooms. New refrigerant R32 models are additionally added. Multi-split type can be introduced in various situations like in homes, in offices and stores to provide environment-friendly comfort.



3-unit, 4-unit, 5-unit Multi-split

3-unit, 4-unit Multi-split



3-unit
18/24 class

4-unit 30 class

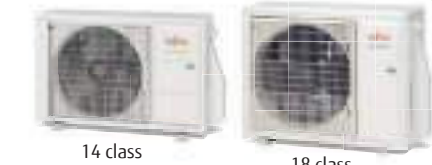
5-unit Multi-split



36/45 class



2-unit Multi-split



14 class

18 class

2-unit to 8-unit Multi-split

2-unit to 8-unit Multi-split types units are recommended for situations that require air conditioning in multiple rooms such as in family house or offices. Between 2 to 8 indoor units can be connected and individually operated. A variation of individual and central remote controller are available for operation control, time scheduling of each room and energy savings. Due to space-saving outdoor unit enables installation on balcony or under a waist-high window.

8-unit Multi-split



45 class

Twin/Triple



Twin 36 class
(Single phase/3 phase)

Twin/Triple 45/54 class
(Single phase/3 phase)



Twin/Triple



36/45/54 class
(Single phase/3 phase)

Twin/Triple/ Double Twin


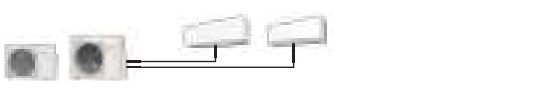



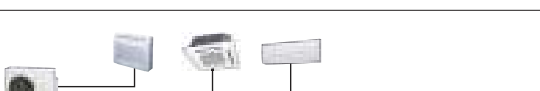





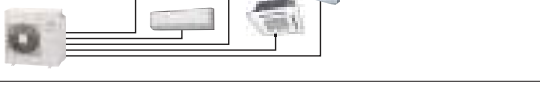



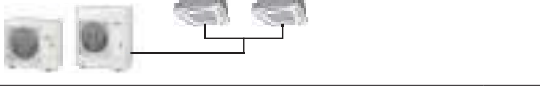





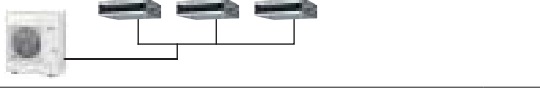



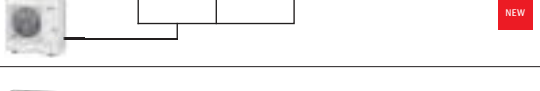




72/90 class
(3 phase)

Simultaneous Multi-split

Simultaneous Multi-split type is recommended for situations where multiple indoor units need to be operated simultaneously such as for a small building, for small office building entrance, meeting room, educational facility hall, and other large spaces. Up to 4 indoor units can be operated simultaneously. This type is suitable for office spaces with large areas and properties with unusual floor layout.

Outdoor Units Lineup

		Class	14	18	18	24	30	36	45		54	72	90
		Cooling rated capacity(kW)	4.0	5.0	5.4	6.8	8.0	10.0	12.5	14.0	14.0	19.0	22.0
2-unit, 3-unit, 4-unit Multi-split	2-unit Multi-split Up to 2 units			AOYG14KBTA2	AOYG18KBTA2								
				AOYG14LAC2**	AOYG18LAC2**								
	3-unit Multi-split Up to 3 units					AOYG18LAT3*	AOYG24LAT3*						
	4-unit Multi-split Up to 4 units							AOYG30LAT4*					
5-unit, 6-unit Multi-split	5-unit Multi-split Up to 5 units							AOYG36BLA5*					
	6-unit Multi-split Up to 6 units								AOYG45BLA6*				
8-unit Multi-split Up to 8 units										AOYG45LBT8*			
Simultaneous Multi-split	Twin Single phase							AOYG36KBTB	AOYG45KBTB				
	Twin 3 phase							AOYG36KRTA	AOYG45KRTA				
	Twin/Triple Single phase										AOYG54KBTB		
	Twin/Triple 3 phase										AOYG54KRTA		
	Twin/Triple Single phase							AOYG36LBTB	AOYG45LBTB*1			AOYG54LBTB*2	
	Twin/Triple 3 phase							AOYG36LATT	AOYG45LATT			AOYG54LATT	
	Twin/Triple/Double Twin 3 phase												AOYG72LRLA

Cooling rated capacity: *1:12.1kW *2:13.3kW

Note: 1. 2-unit Multi-split: Connectable indoor units are 2 units.
 AOYG14KBTA2: Total capacity of indoor units connected must be between 4.0 kW and 6.0 kW.
 AOYG18KBTA2: Total capacity of indoor units connected must be between 4.0 kW and 7.5 kW.
 AOYG14LAC2: Total capacity of indoor units connected must be between 4.0 kW and 6.0 kW.
 AOYG18LAC2: Total capacity of indoor units connected must be between 4.0 kW and 7.0 kW.

2. 3-unit Multi-split: Connectable indoor units are 2 to 3 units.
 AOYG18LAT3: Total capacity of indoor units connected must be between 4.0 kW and 8.5 kW.
 AOYG24LAT3: Total capacity of indoor units connected must be between 4.0 kW and 10.5 kW.
 3. 4-unit Multi-split: Connectable indoor units are 3 to 4 units.
 AOYG30LAT4: Total capacity of indoor units connected must be between 7.5 kW and 14.0 kW.

4. 5-unit Multi-split: Connectable indoor units are 2 to 5 units.
 AOYG36BLA5: Total capacity of indoor units connected must be between 7.5 kW and 15.5 kW.
 5. 6-unit Multi-split: Connectable indoor units are 2 to 6 units.
 AOYG45BLA6: Total capacity of indoor units connected must be between 9.5 kW and 18.0 kW.
 6. 8-unit Multi-split: Connectable indoor units are 2 to 8 units.
 AOYG45LBT8: Total capacity of indoor units connected must be between 11.0 kW and 18.0 kW.



FUJITSU GENERAL (Euro) GmbH participates in the ECP programme for AIR CONDITIONERS. Check ongoing validity of certificate: www.eurovent-certification.com
 * Models so marked are not ECC certified.
 ** Only combinations with indoor units of the same mounting type and within a capacity ratio of 1:0.05 (IDU/ODU) are ECC certified.

2-unit to 8-unit Multi-split Connectable Indoor Units



Type	2-unit	
Model name	AOYG14KBTA2	AOYG18KBTA2
Multi-split Type Outdoor Unit		
Capacity (kW)	Cooling	4.0
	Heating	4.4

Indoor Unit	BTU	kW Class	2-unit	8-unit
 ASYG 07/09/12/14 KGTB ASYG 07/09/12/14 KETA ASYG 07/09/12/14 KMCC ASYG 07/09/12/14 KETA-B	7,000	2.0	●	●
	9,000	2.5	●	●
	12,000	3.5	●	●
	14,000	4.0	—	●
 AUXG07/09/12/14KVL A	7,000	2.0	●	●
	9,000	2.5	●	●
	12,000	3.5	●	●
	14,000	4.0	—	●
 ARXG07/09/12/14KSLAP	7,000	2.0	●	●
	9,000	2.5	●	●
	12,000	3.5	●	●
	14,000	4.0	—	●
 ARXG07/09/12/14KLLAP	7,000	2.0	●	●
	9,000	2.5	●	●
	12,000	3.5	●	●
	14,000	4.0	—	●



Type	2-unit		3-unit		4-unit	5-unit	6-unit	8-unit
Model name	AOYG14LAC2	AOYG18LAC2	AOYG18LAT3	AOYG24LAT3	AOYG30LAT4	AOYG36LBA5	AOYG45LBA6	AOYG45LBT8
Multi-split Type Outdoor Unit								
Capacity (kW)	Cooling	4.0	5.0	5.4	6.8	8.0	10.0	12.5
	Heating	4.4	5.6	6.8	8.0	9.6	12.0	13.5

Indoor Unit	BTU	kW Class	2-unit	3-unit	4-unit	5-unit	6-unit	8-unit
 ASYG07/09/12/14LMCE	7,000	2.0	●	●	●	●	●	●
	9,000	2.5	●	●	●	●	●	●
	12,000	3.5	●	●	●	●	●	●
 ASYG07/09/12/14LUCA	14,000	4.0	—	●	●	●	●	●
	18,000	5.0	—	—	—	●	●	●
	24,000	7.0	—	—	—	—	●	●
 ASYG18/24LF	7,000	2.0	—	—	●	●	—	—
	9,000	2.5	—	—	●	●	—	—
	12,000	3.5	—	—	●	●	—	—
	14,000	4.0	—	—	●	●	—	—
 AGYG07/09/12/14KMCC*	9,000	2.5	—	●	●	●	●	●
	12,000	3.5	—	—	●	●	—	—
	14,000	4.0	—	—	●	●	—	—
	18,000	5.0	—	—	—	●	●	●
 AGYG09/12/14LV	9,000	2.5	—	●	●	●	●	●
	12,000	3.5	—	●	●	●	●	●
	14,000	4.0	—	—	●	●	●	●
 AUYG07/09/12/14/18LV	7,000	2.0	—	●	●	●	●	●
	9,000	2.5	—	●	●	●	●	●
	12,000	3.5	—	●	●	●	●	●
 AGYG09/12/14LVCA	14,000	4.0	—	—	●	●	●	●
	18,000	5.0	—	—	—	●	●	●
	24,000	7.0	—	—	—	—	●	●
 ARYG07/09/12/14/18LSLAP	7,000	2.0	—	●	●	●	●	—
	9,000	2.5	—	●	●	●	●	—
	12,000	3.5	—	●	●	●	●	—
 ARYG07/09/12/14/18LL	14,000	4.0	—	—	●	●	●	—
	18,000	5.0	—	—	—	●	●	—
	24,000	7.0	—	—	—	—	●	—

* When connecting 14 model to multi-split type outdoor unit for R410A refrigerant, Adapter H is required for its piping.

Simultaneous Multi-split Connectable Indoor Units



Type	4HP		5HP		6HP	
Model name	AOYG36KBTB	AOYG36KRTA	AOYG45KBTB	AOYG45KRTA	AOYG54KBTB	AOYG54KRTA
Simultaneous Multi-split Outdoor Unit						
Capacity (kW)	Cooling	9.5	12.1	13.4	13.4	13.4
	Heating	10.8	13.5	15.5	15.5	15.5

Indoor Unit	BTU	kW Class	Twin			Triple
			● ×2	● ×2	● ×2	● ×3
 AUXG18/22/24KVLA	18,000	5.0	● ×2	-	-	● ×3
	22,000	6.5	-	● ×2	-	-
	24,000	7.0	-	-	● ×2	-
 ARXG18KLLAP	18,000	5.0	● ×2	-	-	● ×3
	22,000	6.5	-	● ×2	-	-
	24,000	7.0	-	-	● ×2	-
 ARXG22/24KMLA	22,000	6.5	-	● ×2	-	-
	24,000	7.0	-	-	● ×2	-
	Separation tube			UTP-SX236A (18/22/24)		



Type	4HP		5HP		6HP		8HP	10HP
Model name	AOYG36LBTB	AOYG36LATT	AOYG45LBTB	AOYG45LATT	AOYG54LBTB	AOYG54LATT	AOYG72LRLA	AOYG90LRLA
Simultaneous Multi-split Outdoor Unit								
Capacity (kW)	Cooling	10.0	12.1	12.5	13.3	14.0	19.0	22.0
	Heating	11.2	14.0	14.0	15.0	16.0	22.4	27.0

Indoor Unit	BTU	kW Class	Twin			Triple	Twin	Triple	Double Twin	Twin	Triple	Double Twin	
			● ×2	● ×2	● ×2	● ×3	● ×2	● ×3	● ×4	● ×2	● ×3	● ×4	
 AUYG18/22/24LV	18,000	5.0	● ×2	-	-	● ×3	-	-	● ×4	-	-	-	
	22,000	6.5	-	● ×2	-	-	-	-	-	-	● ×4	-	
	24,000	7.0	-	-	● ×2	-	● ×3	-	-	-	-	-	
 AUYG30/36/45LR	30,000	8.8	-	-	-	-	-	-	-	● ×3	-	-	
	36,000	10.6	-	-	-	-	● ×2	-	-	-	-	-	
	45,000	12.5	-	-	-	-	-	-	● ×2	-	-	-	
 ARYG18LLTB	18,000	5.0	● ×2	-	-	● ×3	-	-	● ×4	-	-	-	
	22,000	6.5	-	● ×2	-	-	-	-	-	-	● ×4	-	
	24,000	7.0	-	-	● ×2	-	● ×3	-	-	-	-	-	
 ARYG22/24/30/36/45LM	30,000	8.8	-	-	-	-	-	-	-	-	● ×3	-	
	36,000	10.6	-	-	-	-	● ×2	-	-	-	-	-	
	45,000	12.5	-	-	-	-	-	-	● ×2	-	-	-	
	Separation tube			UTP-SX236A ×1			UTP-SX254A ×1			UTP-SX254 ×1, UTP-SX354A ×1, UTP-SX272A ×1, UTP-SX372A ×1, UTP-SX272A ×1, UTP-SX372A ×1, UTP-SX236A ×2			UTP-SX272A ×1, UTP-SX254A ×2
 ABYG18/22/24LV	18,000	5.0	● ×2	-	-	● ×3	-	-	● ×4	-	-	-	
	22,000	6.5	-	● ×2	-	-	-	-	-	-	● ×4	-	
	24,000	7.0	-	-	● ×2	-	● ×3	-	-	-	-	-	
 ABYG30/36/45LR	30,000	8.8	-	-	-	-	-	-	-	-	● ×3	-	
	36,000	10.6	-	-	-	-	● ×2	-	-	-	-	-	
	45,000	12.5	-	-	-	-	-	-	● ×2	-	-	-	

2-unit Multi-split



2-unit: AOYG14KBTA2 / AOYG18KBTA2



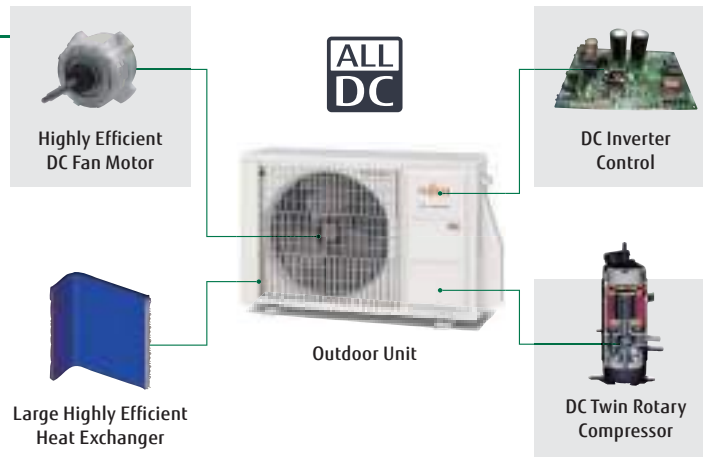
Specifications

Model No.		AOYG14KBTA2		AOYG18KBTA2	
Power Source		Single phase, ~230V, 50Hz			
Rated Capacity (min-max)	Cooling	4.0 (1.4-4.6)		5.0 (1.7-5.8)	
	Heating	4.4 (1.1-5.5)		5.6 (1.8-6.6)	
EER	Cooling	4.12		4.03	
COP	Cooling	4.63		4.59	
	Heating	4.63		4.59	
Sound Pressure Level (High)	Cooling	47		47	
	Heating	49		50	
Sound Power Level (High)	Cooling	60		60	
	Heating	62		62	
Airflow Rate	Cooling/Heating	m³/h 1,670/1,670		1,960/2,020	
Net Dimensions H × W × D		mm 542×799×290		632×799×290	
Weight		kg(lbs) 33 (73)		37 (82)	
Connection Pipe Diameter	Liquid	6.35×2		6.35×2	
	Gas	9.52 × 2		9.52 × 2	
Max. Pipe Length		Total / Each 30 / 20		30 / 20	
Max. Height Difference	Between Outdoor Unit and Each Indoor Units.	m 15		15	
	Between Indoor Units.	10		10	
Operation Range	Cooling	°CDB -10 to 46		-10 to 46	
	Heating	-15 to 24		-15 to 24	
Refrigerant	Type (Global Warming Potential)	R32 (675)		R32 (675)	
	Charge	kg(CO2eq-T) 0.9 (0.608)		1.02 (0.689)	

High energy saving

DC technology is used for compressor, indoor / outdoor fan motor and inverter controlling.

Rank Cooling A+++ Heating A++
SEER 8.7*1 SCOP 4.7
*1: 14 model



Wide range of indoor units with various models

4 types / 16 models are lined up in the capacity range from 2.0 kW to 4.0 kW class. Wide range of requirements can be realized from in private homes, large shops and hotels.



Models equipped with the New R32 Refrigerant

Wall mounted type with sophisticated design



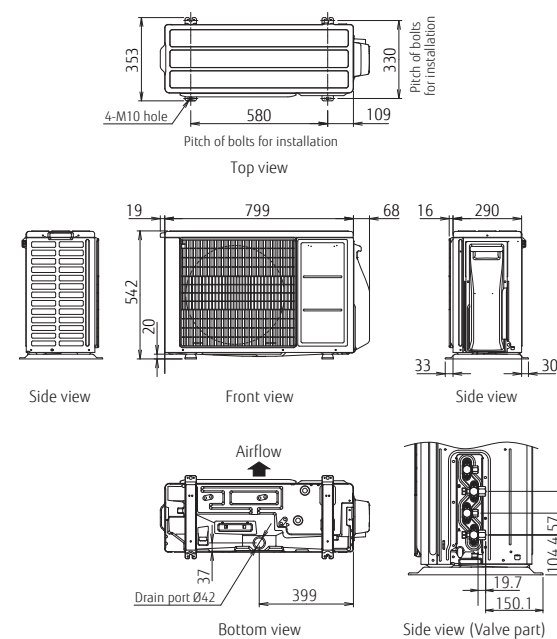
Middle and small capacity models are available. This makes it easier to install at small spaces.



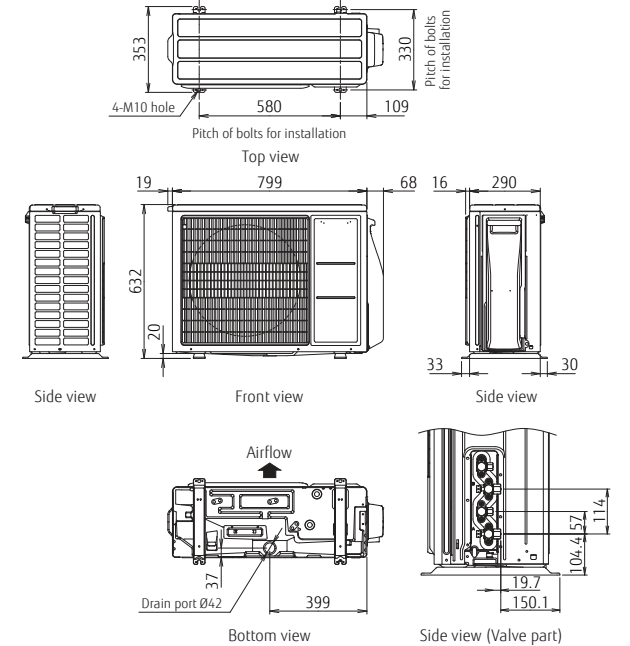
Dimensions

(Unit : mm)

AOYG14KBTA2



AOYG18KBTA2



2-unit,
3-unit,
4-unit
Multi-split



2-unit: AOYG14LAC2 / AOYG18LAC2
3-unit: AOYG18LAT3 / AOYG24LAT3
4-unit: AOYG30LAT4



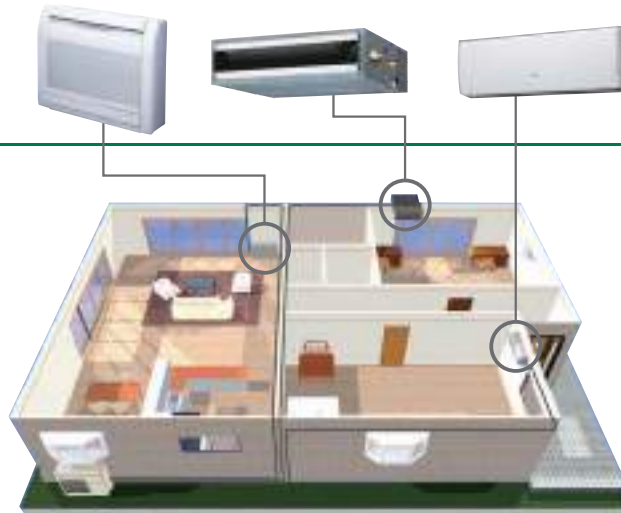
Specifications (2-unit, 3-unit, 4-unit)

Model No.			AOYG14LAC2	AOYG18LAC2	AOYG18LAT3	AOYG24LAT3	AOYG30LAT4
Power Source			Single phase, ~230V, 50Hz				
Rated Capacity (min-max)	Cooling	kW	4.0 (1.4-4.4)	5.0 (1.7-5.6)	5.4 (1.8-6.8)	6.8 (1.8-8.5)	8.0 (3.5-10.1)
	Heating		4.4 (1.1-5.4)	5.6 (1.8-6.1)	6.8 (2.0-8.0)	8.0 (2.0-9.2)	9.6 (3.7-12.0)
EER	Cooling		3.67	3.21	4.00	3.51	3.60
COP	Cooling	W/W	4.27	3.97	4.20	4.00	4.00
	Heating		4.27	3.97	4.20	4.00	4.00
Sound Pressure Level (High)	Cooling	dB(A)	47	50	48	48	50
	Heating		49	51	49	49	51
Sound Power Level (High)	Cooling	dB(A)	61	63	65	68	68
	Heating		63	64	67	70	70
Airflow Rate	Cooling/Heating	m ³ /h	1,850/1,850	2,050/2,050	3,050/2,750	3,300/3,300	3,500/3,300
Net Dimensions H × W × D		mm	540×790×290	540×790×290	700×900×330	700×900×330	830×900×330
Weight		kg(lbs)	37 (82)	38 (84)	55 (121)	55 (121)	68 (150)
Connection Pipe Diameter	Liquid	mm	6.35×2	6.35×2	6.35×3	6.35×3	6.35×4 (*6.35×3, 9.52)
	Gas	mm	9.52 × 2	9.52 × 2 *(9.52, 12.70)	9.52 × 2, 12.70 *(9.52 × 3)	9.52 × 2, 12.70 *(9.52 × 3)	9.52 × 2, 12.70 × 2 *(9.52 × 3, 12.70) *(9.52 × 2, 12.70, 15.88)
Max. Pipe Length	Total / Each	m	30 / 20	30 / 20	50 / 25	50 / 25	70 / 25
Max. Height Difference	Between Outdoor Unit and Each Indoor Units.	m	15	15	15	15	15
	Between Indoor Units.		10	10	10	10	10
Operation Range	Cooling	°CDB	10 to 46	10 to 46	-10 to 46	-10 to 46	0 to 46
	Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24	-10 to 24
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	kg(CO2eq-T)	1.25 (2.610)	1.30 (2.714)	2.20 (4.594)	2.20 (4.594)	3.30 (6.890)

* Connect to connection valve by the adapter.

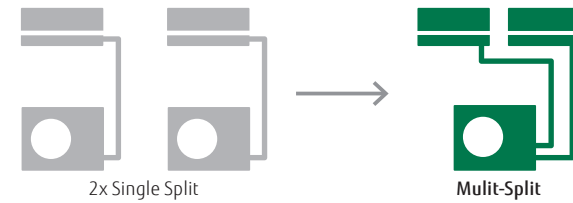
Wide range of indoor units with various models

4 types / 16 models are lined up in the capacity range from 2.0 kW to 4.0 kW class. Wide range of requirements can be realized from in private homes, large shops and hotels.



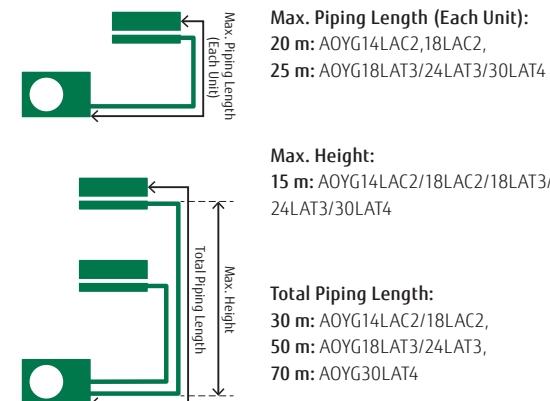
Space-saving installation

Multiple indoor units can be connected to 1 outdoor unit, and long piping connection is also possible. Compared with single type, the outdoor unit can be installed in various places to realize the space-saving installation.



Flexible installation

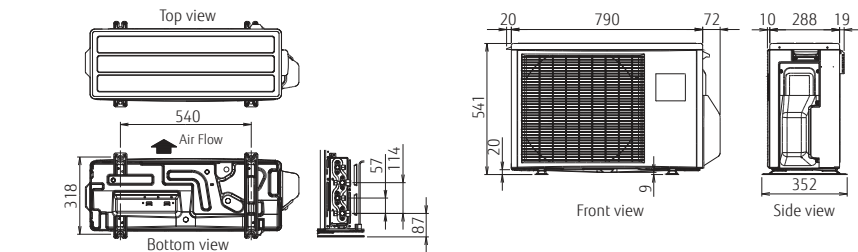
Up to max. piping length of 70 m (AOYG30LAT4), max. height difference of 15 m can be supported. Multi-split type can be installed in large-size residence or buildings with multiple floors.



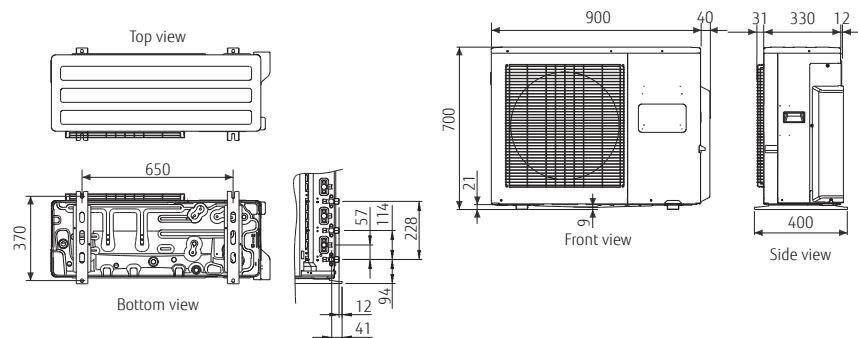
Dimensions

(Unit : mm)

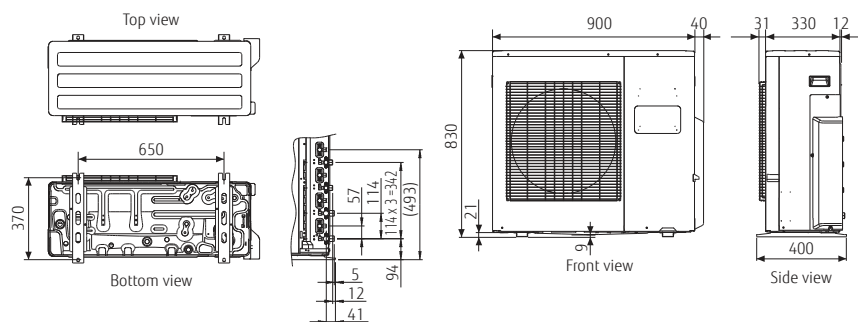
2-unit:
AOYG14LAC2/AOYG18LAC2



3-unit:
AOYG18LAT3/AOYG24LAT3



4-unit:
AOYG30LAT4



5-unit, 6-unit Multi-split



5-unit: AOYG36LBLA5
6-unit: AOYG45LBLA6



Specifications (5-unit, 6-unit)

Model No.		AOYG36LBLA5		AOYG45LBLA6	
Power Source		Single phase, ~230V, 50Hz			
Rated Capacity (min-max)	Cooling	10.0 (3.5-12.5)		12.5 (3.5-14.0)	
	Heating	12.0 (3.5-14.0)		13.5 (3.5-16.0)	
EER	Cooling	4.10		3.50	
	Heating	4.30		4.00	
Sound Pressure Level (High)	Cooling	53		53	
	Heating	55		55	
Sound Power Level (High)	Cooling	67		-	
	Heating	68		-	
Airflow Rate	Cooling/Heating	m ³ /h 4,200/4,200		4,200/4,200	
Net Dimensions H × W × D		mm 998×970×370		998×970×370	
Weight		kg(lbs) 94 (207)		94 (207)	
Connection Pipe Diameter	Liquid	mm 6.35×5		6.35×6	
	Gas	9.52 × 3, 12.70 × 2		9.52 × 4, 12.70 × 2	
Max. Pipe Length	Total / Each	80 / 25		80 / 25	
	Max. Height Difference	Between Outdoor Unit and Each Indoor Units.	m 15		15
Operation Range	Between Indoor Units.	10		10	
	Cooling	°CDB -10 to 46		-10 to 46	
Refrigerant	Heating	-15 to 24		-15 to 24	
	Type (Global Warming Potential)	R410A (2,088)		R410A (2,088)	
Charge		kg(CO ₂ eq-T) 4.00 (8.352)		4.00 (8.352)	

Wide range of indoor units with various models

4 types / 16 models are lined up in the capacity range from 2.0 kW to 4.0 kW class. Wide range of requirements can be realized from in private homes, large shops and hotels.



Compact design

Multiple indoor units can be connected to 1 outdoor unit, and long piping connection is also possible. Compared with single type, the outdoor unit can be installed in various places to realize the space-saving installation.



Easy installation

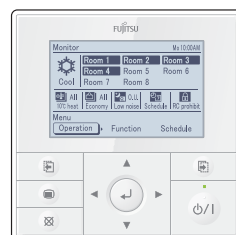
All connected pipes and indoor units can be evacuated quickly via our centralized valve method. Requires evacuation only once



Central & Individual Control

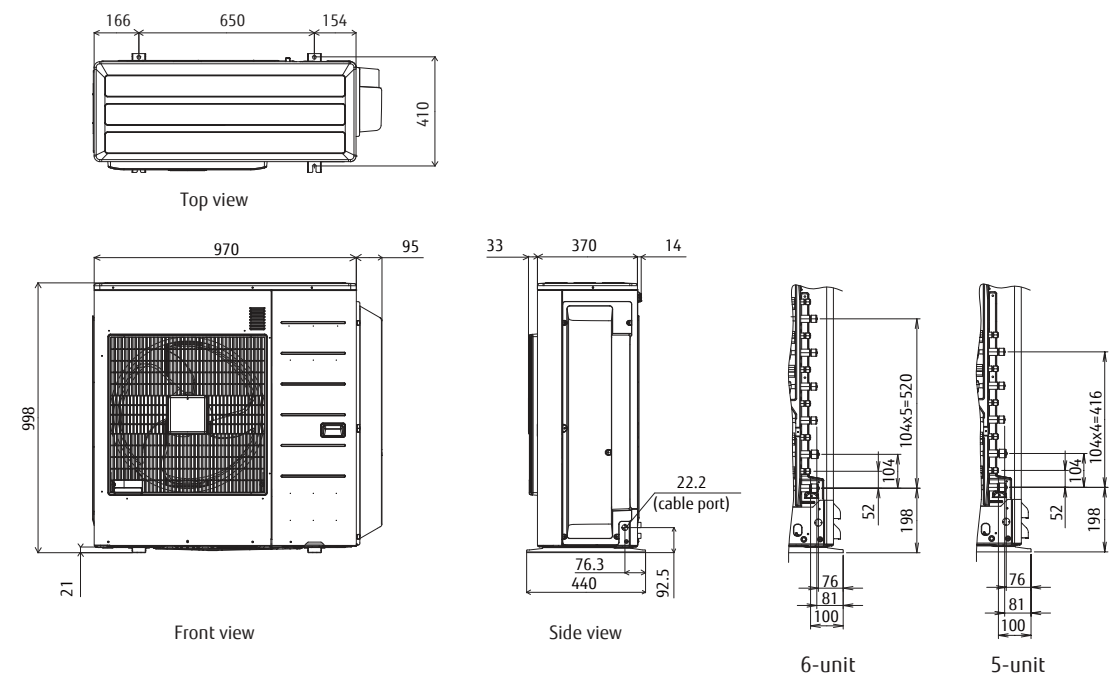
- Batched control of up to 8 indoor units. The temperature, airflow volume, and remote control prohibition settings of all indoor units can be batched.
- Corresponds to 9 different languages (English, German, French, Spanish, Russian, Portuguese, Italian, Greek, and Turkish)
- Large backlight LED screen
- Large easy-to-see operation panel

Max. Controllable
1 multi system
Max. Controllable
8 indoor units



Dimensions

(Unit : mm)



8-unit Multi-split

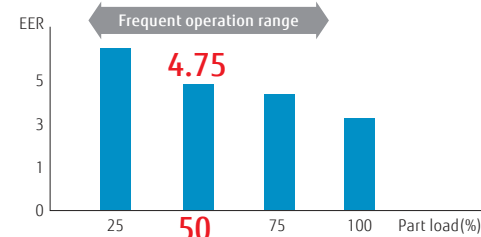


Compact outdoor unit

The compact design outdoor unit allows to be installed below a window and in a narrow space.

High seasonal efficiency

The actual performance is conducted under various outside temperatures depending on weather and seasons, furthermore, especially for multi system, not all the rooms are operated all the time. So over 90% of actual operation time, air conditioners are operated at partial capacity instead of rated capacity. Considering these, we focused on energy-saving performance which is based on actual use. Efficiency of part load performance was drastically improved by developing ALL DC and our own inverter system.



Innovated technology

High efficiency large fan: High efficiency fan is mounted.

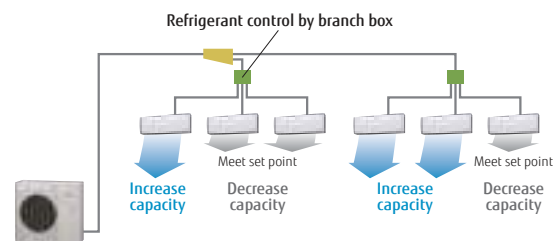
DC fan motor: High performance and high efficiency has been realized by using a small DC fan motor.

Heat exchanger: Reduced compact size and energy saving has been realized by utilizing high density piping design and 3-Row heat exchanger.

High efficiency DC twin rotary compressor: A high performance, low noise, large capacity DC twin rotary compressor is used.

Quick comfort by optimized refrigerant control

Every room meets the set point most quickly and comfortably by optimized refrigerant control.



8-unit: AOYG45LBT8

Branch Box: UTP-PY03A / UTP-PY02A



Specifications (Outdoor unit/Branch box)

Outdoor Unit Model Name			AOYG45LBT8
Maximum Connectable Indoor Unit			8
Indoor Unit Connectable Capacity			Cooling kW 11.2 - 18.2
Power source			Single phase, ~230V, 50Hz
Rated Capacity	Cooling	kW	14.0
	Heating	kW	16.0
Input Power	Cooling	kW	5.20
	Heating	kW	5.07
Airflow rate	Cooling	m ³ /h	4,650
	Heating	m ³ /h	4,800
Sound Pressure Level	Cooling	dB(A)	56
	Heating	dB(A)	58
Heat Exchanger Fin			Plate fin coil
Net Dimensions H × W × D		mm	914×970×370
Weight		kg(lbs)	98 (216)
Connection Pipe Diameter (Liquid / Gas)		mm	9.52/15.88
Max Pipe Length		m	115 (Total)
Max Height Difference (O.U ~ I.U)		m	30
Operating Range	Cooling	°CDB	-5 to 46
	Heating	°CDB	-15 to 24
Refrigerant	Type (Global Warming Potential)		R410A (2,088)
	Charge	kg(CO ₂ eq-T)	3.45 (7.204)

Branch Box Model Name		UTP-PY03A	UTP-PY02A
Connectable Indoor Unit		1 to 3 Units	1 to 2 Units
Power source		Single phase, ~230V, 50Hz	Single phase, ~230V, 50Hz
Available Voltage Range		198-264V	198-264V
Power Consumption		W 10	10
Running Current		A 0.05	0.05
Net Dimensions H × W × D		mm 195×433×370	mm 195×433×370
Weight		kg(lbs) 9 (20)	kg(lbs) 9 (20)
Connection pipe diameter	Liquid	Main: 9.52×1, Branch:6.35×3	Main: 9.52×1, Branch:6.35×2
	Gas	Main: 15.88×1, Branch:12.70×3	Main: 15.88×1, Branch:12.70×2
	Method	Flare	Flare

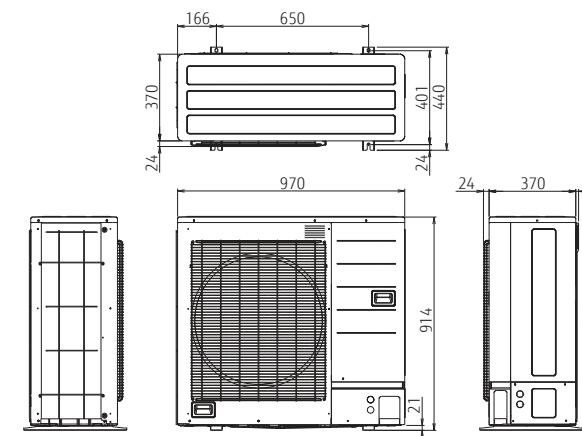
Note: Specifications are based on the following conditions.

- In case of connecting two indoor units(7 kW class).
- These are the measured values in the manufacturer's anechoic chamber.
- Cooling: Indoor temp. of 27°CDB/19°CWB, outdoor temp. of 35°CDB/24°CWB Heating: Indoor temp. of 20°CDB/15°CWB, outdoor temp. of 7°CDB/6°CWB Pipe length: 5 m (Outdoor unit - Branch box), 3 m (Branch box - Indoor unit) Height difference : 0 m

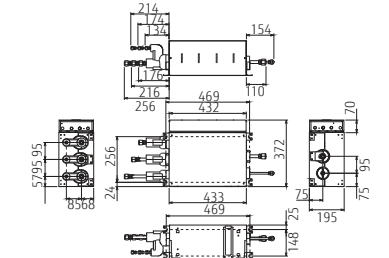
Dimensions

(Unit : mm)

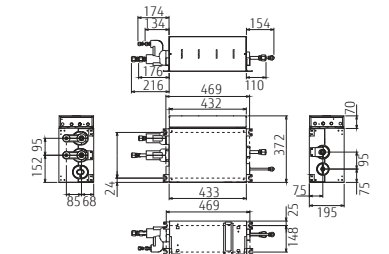
Outdoor Unit: AOYG45LBT8



Branch Box : UTP-PY03A (3 zones type)



Branch Box : UTP-PY02A (2 zones type)

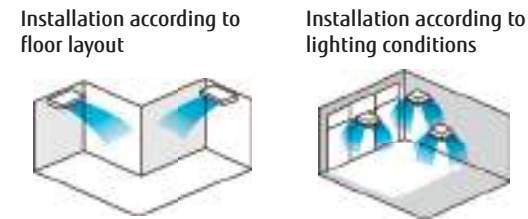


Simultaneous Multi-split Twin/Triple



Supports various installation scenes from office to commercial space, inside the same room and multi connection of up to 3 indoor units.

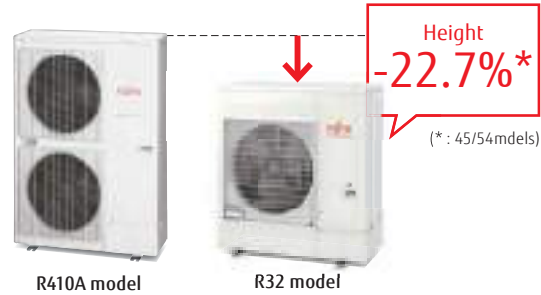
Selection of indoor units according to the room shape and heat load, like number of people and lighting conditions. Most comfortable air flow distribution can be realized.



Design flexibility

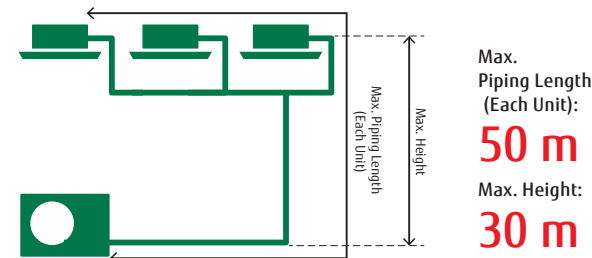
Slim & Compact design

This model is much more compact than a conventional outdoor unit. Significant reduced height of the product supports installations in narrow spaces.



Flexible installation

Up to max. piping length of 50 m, max. height difference of 30 m can be supported. Multi-split type can be installed in large-size residence or buildings with multiple floors.



New Indoor unit lineup

3 types 6 models indoor units are provided, so you can select them depending on your room size and conditions.



Model: AOYG36KBTB / AOYG45KBTB / AOYG54KBTB
AOYG36KRTA [3 phase] / AOYG45KRTA [3 phase] / AOYG54KRTA [3 phase]



Specifications (Indoor units/Outdoor units)

Indoor Units Model No.	Compact Cassette		
	AUXG18KVLA	AUXG22KVLA	AUXG24KVLA
Power Source	Single phase, ~230V, 50Hz		
Airflow Rate	Cooling H/M/L/Q 800/680/580/450	Cooling H/M/L/Q 830/740/600/450	Cooling H/M/L/Q 860/760/700/530
Net Dimension H × W × D	245x570x570		
Weight	16 (35)		
Cassette Grille	UTG-UFYF-W		

Indoor Units Model No.	Duct		
	ARXG18KLLAP	ARXG22KMLA	ARXG24KMLA
Power Source	Single phase, ~230V, 50Hz		
Airflow Rate	Cooling H/M/L/Q 940/880/820/750	Cooling H/M/L/Q 1,100/910/750/580	Cooling H/M/L/Q 1,100/910/750/580
Net Dimension H × W × D	198x900x620		
Weight	20 (44)		

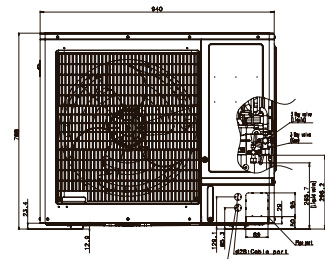
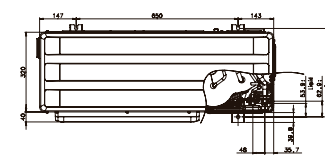
Outdoor Units Model No.	AOYG36KBTB			AOYG45KBTB			AOYG54KBTB		
	AOYG36KRTA	AOYG45KRTA	AOYG54KRTA						
Capacity	Cooling 9.5	Cooling 12.1	Cooling 13.4	9.5	12.1	13.4	9.5	12.1	13.4
Power Source	Single phase, ~230V, 50Hz						3 phase, ~400V, 50Hz		
Pdesign	Cooling 8.7	Cooling 11.2	Cooling 12.1	8.7	11.2	12.1	8.7	11.2	12.1
SEER	Cooling 6.10	Cooling 6.10	Cooling 6.10	6.10	6.10	6.10	6.10	6.10	6.10
SCOP	Heating 4.00	Heating 4.00	Heating 4.00	4.00	4.00	4.00	4.00	4.00	4.00
Annual Energy Consumption	Cooling 545	Cooling 545	Cooling 545	545	545	545	545	545	545
Energy Efficiency Class	Heating A++	Heating A+	Heating A+	A++	A+	A+	A++	A+	A+
Sound Pressure Level (High)	Cooling 55	Cooling 55	Cooling 55	55	57	57	55	57	57
Sound Power Level (High)	Cooling 70	Cooling 70	Cooling 70	70	71	71	70	71	71
Airflow Rate	Cooling / Heating 3,750/3,750	Cooling / Heating 4,450/4,450	Cooling / Heating 4,450/4,450	3,750/3,750	4,450/4,450	4,450/4,450	3,750/3,750	4,450/4,450	4,450/4,450
Net Dimension H × W × D	788x940x320			998x940x320			998x940x320		
Weight	52 (115)			67 (148)			67 (148)		
Connection Pipe Diameter (Liquid / Gas)	9.52/15.88			9.52/15.88			9.52/15.88		
Max Pipe Length (Pre-Charge)	50 (30)			50 (30)			50 (30)		
Height Difference	30			30			30		
Operation Range	Cooling -15 to 46	Cooling -15 to 24	Cooling -15 to 24	-15 to 46	-15 to 24	-15 to 24	-15 to 46	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential) R32 (675)	Type (Global Warming Potential) R32 (675)	Type (Global Warming Potential) R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)
Separation tube	UTP-SX236A(Twin)	UTP-SX236A(Twin)	UTP-SX236A(Twin) UTP-SX354A(Triple)	UTP-SX236A (Twin)	UTP-SX236A (Twin)	UTP-SX236A (Twin)	UTP-SX236A (Twin)	UTP-SX236A (Twin)	UTP-SX236A(Twin) UTP-SX354A(Triple)

• Different type and capacity indoor units cannot be connected.
• The above table is the value for connecting with cassette type.

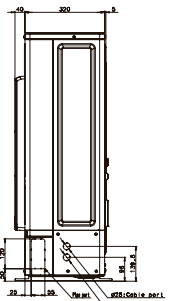
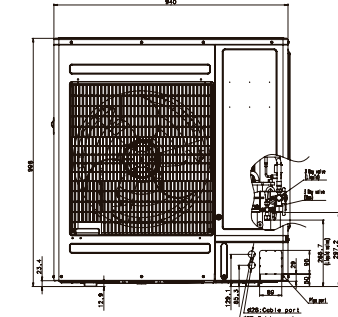
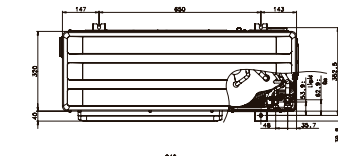
Dimensions

(Unit : mm)

AOYG36KBTB / AOYG36KRTA



AOYG45KBTB / AOYG54KBTB AOYG45KRTA / AOYG54KRTA



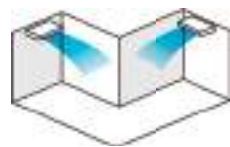
Simultaneous Multi-split Twin/Triple



Supports various installation scenes from office to commercial space, inside the same room and multi connection of up to 3 indoor units.

Selection of indoor units according to the room shape and heat load, like number of people and lighting conditions. Most comfortable air flow distribution can be realized.

Installation according to floor layout



Installation according to lighting conditions

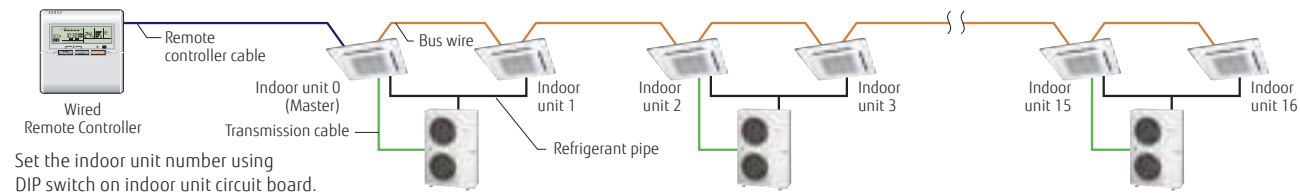


Installation according to layout and lighting conditions



Simultaneous control

Max 16 indoor units are simultaneously controlled with a wired remote controller.



Set the indoor unit number using DIP switch on indoor unit circuit board.

Indoor unit lineup

4 types 9 models indoor units are provided, so you can select them depending on your room size and conditions.



Model : AOYG36LBTB / AOYG45LBTB / AOYG54LBTB
AOYG36LATT [3 phase] / AOYG45LATT [3 phase] / AOYG54LATT [3 phase]



Specifications (Indoor units/Outdoor units)

Indoor Units Model No.				Compact Cassette		
				AUYG18LVLB	AUYG22LVLA	AUYG24LVLA
Power Source				Single phase, ~230V, 50Hz		
Airflow Rate	Cooling	H/M/L/Q	m ³ /h	750/610/520/410	930/830/600/450	930/830/600/450
	Heating	H/M/L/Q		800/710/600/450	930/860/700/530	930/830/600/450
Net Dimension H × W × D				mm		
Weight				kg (lbs)		
Cassette Grille				UTG-UFYD-W		

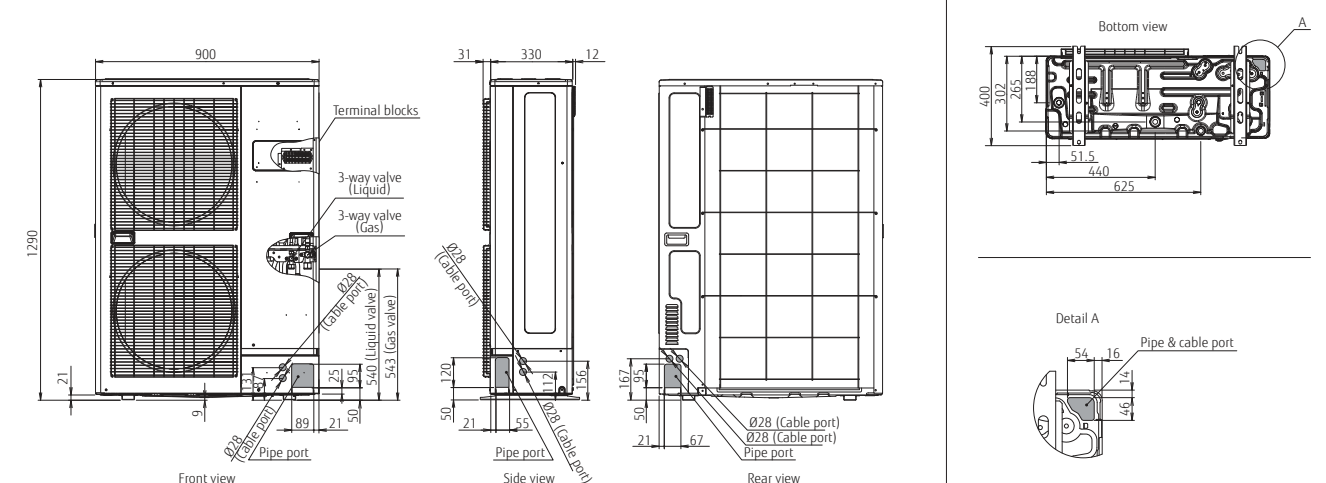
Indoor Units Model No.				Duct		Floor/Ceiling Universal			
				ARYG18LLTB	ARYG22LMLA	ARYG24LMLA	ABYG18LVTB	ABYG22LVTA	ABYG24LVTA
Power Source				Single phase, ~230V, 50Hz					
Airflow Rate	Cooling	H/M/L/Q	m ³ /h	940/880/820/750	1,100/910/750/580	780/700/560/500	980/820/680/540		
	Heating	H/M/L/Q		940/880/820/750	1,100/910/750/580	780/700/560/500	980/820/680/540		
Net Dimension H × W × D				mm					
Weight				kg (lbs)					

Outdoor Units Model No.			AOYG36LBTB	AOYG45LBTB	AOYG54LBTB	AOYG36LATT	AOYG45LATT	AOYG54LATT	
			Capacity	Cooling	kW	10.0	12.1	13.3	10.0
			Heating	11.2	14.0	16.0	11.2	14.0	16.0
Power Source			Single phase, ~230V, 50Hz						
Pdesign	Cooling	kW	10.0	-	-	10.0	-	-	
	Heating (-10°C)	kW	10.0	-	-	10.0	-	-	
SEER	Cooling	-	5.56	-	-	6.00	-	-	
SCOP	Heating	W/W	3.90	-	-	4.00	-	-	
	Cooling	kWh/a	636	-	-	583	-	-	
Annual Energy Consumption	Heating	kWh/a	3,588	-	-	3,499	-	-	
	Cooling	kWh/a	-	-	-	-	-	-	
Energy Efficiency Class			Cooling	A	-	-	A+	-	
			Heating	A	-	-	A+	-	
Sound Pressure Level (High)	Cooling/Heating	dB(A)	52/54	54/55	55/57	51/53	54/54	55/56	
Sound Power Level (High)	Cooling/Heating	dB(A)	68/69	70/70	71/72	67/69	68/69	70/72	
Airflow Rate	Cooling / Heating	m ³ /h	6,200/6,200	6,750/6,200	6,850/6,750	6,200/6,200	6,750/6,200	6,900/6,900	
Net Dimension H × W × D			mm	1,290×900×330	1,290×900×330	1,290×900×330	1,290×900×330	1,290×900×330	
Weight			kg (lbs)	93(205)	93(205)	93(205)	104 (229)	104 (229)	104 (229)
Connection Pipe Diameter (Liquid / Gas)			mm	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88
Max Pipe Length (Pre-Charge)			m	75(30)	75(30)	75(30)	75(30)	75(30)	75(30)
Height Difference			m	30	30	30	30	30	30
Operation Range	Cooling	°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	
	Heating	°CDB	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	
	Charge	kg(CO ₂ eq-T)	3.45 (7.204)	3.45 (7.204)	3.45 (7.204)	3.45 (7.204)	3.45 (7.204)	3.45 (7.204)	
Separation tube				UTP-SX236A(Twin)	UTP-SX254A(Twin)	UTP-SX254A(Twin)/UTP-SX354A(Triple)	UTP-SX236A (Twin)	UTP-SX254A (Twin) / UTP-SX354A (Triple)	

*Different type and capacity indoor units cannot be connected.
*The above table is the value for connecting with cassette type.

Dimensions

(Unit : mm)



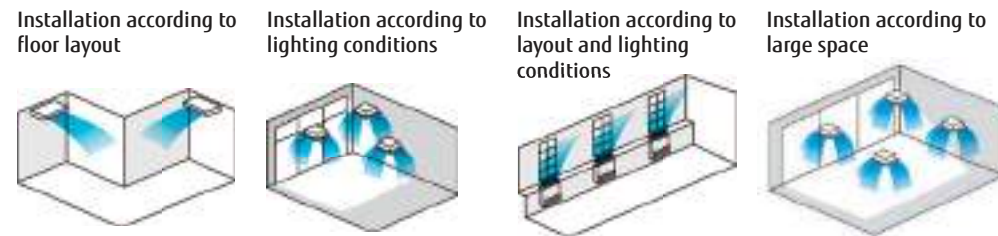
Simultaneous Multi-split

Twin/Triple/Double Twin



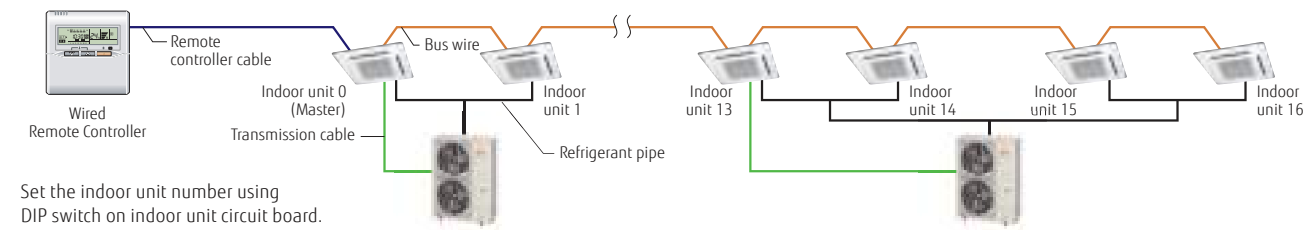
Support various applications from open plan offices to retail stores, with up to 4 indoor units.

Selection of indoor units according to the room shape and heat load, like number of people and lighting conditions. Most comfortable air flow distribution can be realized.



Simultaneous control

Max 16 indoor units are simultaneously controlled with a wired remote controller.

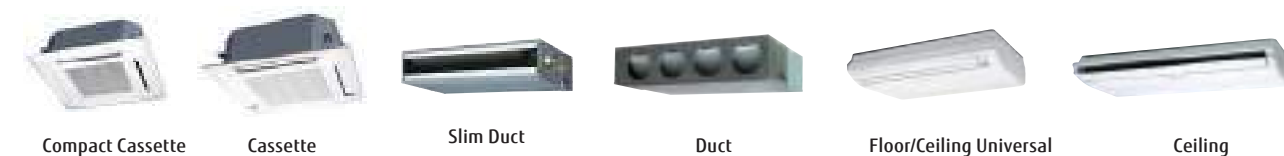


Set the indoor unit number using DIP switch on indoor unit circuit board.

*When using a wireless remote controller, the following functions cannot be used: Timer operation, Sleep Timer operation, 10°C Heat operation

Indoor unit lineup

6 types 18 models indoor units are provided, so you can select them depending on your room size and conditions.



Model: AOYG72LRLA [3 phase] / AOYG90LRLA [3 phase]



Specifications (Indoor units/Outdoor units)

Indoor Units Model No.	Compact Cassette, Cassette								
	AOYG18LVLB	AOYG22LVLA	AOYG24LVLA	AOYG30LRLE	AOYG36LRLE	AOYG45LRLA			
Power Source	Single phase, ~230V, 50Hz								
Airflow Rate	Cooling	H/M/L/Q	m ³ /h	750/610/520/410	930/830/600/450	930/830/600/450	1,600/1,400/1,270/1,150	1,800/1,400/1,270/1,150	1,900/1,640/1,460/1,250
	Heating	H/M/L/Q	m ³ /h	800/710/600/450	930/860/700/530	930/830/600/450	1,800/1,400/1,270/1,150	1,800/1,400/1,270/1,150	1,900/1,640/1,460/1,250
Net Dimension H × W × D	mm			245×570×570	245×570×570	288 × 840 × 840	288 × 840 × 840	288 × 840 × 840	288 × 840 × 840
Weight	kg(lbs)			15 (33)	16 (35)	26 (57)	26 (57)	26 (57)	
Cassette Grille				UTG-UFYD-W		UTG-UGYA-W			

Indoor Units Model No.	Duct								
	ARYG18LLTB	ARYG22LMLA	ARYG24LMLA	ARYG30LMLE	ARYG36LMLE	ARYG45LMLA			
Power Source	Single phase, ~230V, 50Hz								
Airflow Rate	Cooling	H/M/L/Q	m ³ /h	940/880/820/750	1,100/910/750/580	1,100/910/750/580	1,900/1,620/1,270/980	1,900/1,620/1,270/980	2,100/1,750/1,350/1,070
	Heating	H/M/L/Q	m ³ /h	940/880/820/750	1,100/910/750/580	1,100/910/750/580	2,100/1,620/1,270/980	2,100/1,620/1,270/980	2,100/1,750/1,350/1,070
Net Dimension H × W × D	mm			198 × 900 × 620	270 × 1135 × 700	270 × 1135 × 700	270 × 1135 × 700	270 × 1135 × 700	270 × 1135 × 700
Weight	kg(lbs)			23 (51)	38 (84)	38 (84)	40 (88)	40 (88)	40 (88)

Indoor Units Model No.	Floor/Ceiling, Ceiling								
	ABYG18LVTB	ABYG22LVTA	ABYG24LVTA	ABYG30LRTE	ABYG36LRTE	ABYG45LRTA			
Power Source	Single phase, ~230V, 50Hz								
Airflow Rate	Cooling	H/M/L/Q	m ³ /h	780/700/560/500	980/820/680/540	980/820/680/540	1,660/1,500/1,200/1,000	1,900/1,500/1,200/1,000	2,100/1,700/1,400/1,100
	Heating	H/M/L/Q	m ³ /h	780/700/560/500	980/820/680/540	980/820/680/540	1,660/1,500/1,200/1,000	1,900/1,500/1,200/1,000	2,100/1,700/1,400/1,100
Net Dimension H × W × D	mm			199 × 990 × 655	199 × 990 × 655	199 × 990 × 655	240 × 1660 × 700	240 × 1660 × 700	240 × 1660 × 700
Weight	kg(lbs)			27 (60)	27 (60)	27 (60)	46 (101)	46 (101)	46 (101)

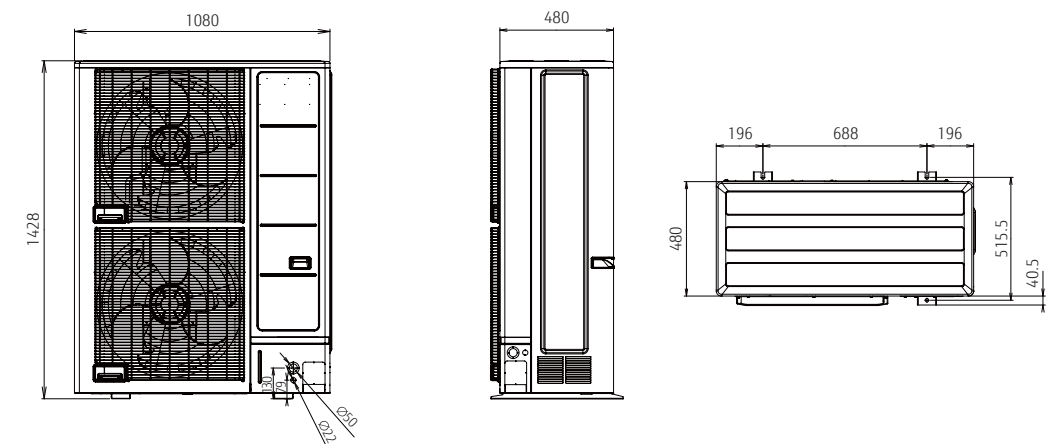
Outdoor Units Model No.	AOYG72LRLA		AOYG90LRLA			
	Capacity	Cooling / Heating kW	Capacity	Cooling / Heating kW		
Capacity	19.0	22.4	22.0	27.0		
Power Source	3 phase, ~400V, 50Hz					
Sound Pressure Level (High)	55/55		55/57			
Airflow Rate	8,400/8,400		8,400/9,000			
Net Dimension H × W × D	1,428×1,080×480		1,428×1,080×480			
Weight	163 (359)		172 (379)			
Connection Pipe Diameter (Liquid / Gas)	12.7/25.4		12.7/25.4			
Max Pipe Length (Pre-Charge)	100 (30)		100 (30)			
Height Difference	30		30			
Operation Range	Cooling	-15 to 46	-15 to 46			
	Heating	-20 to 24	-20 to 24			
Refrigerant	Type (Global Warming Potential)	R410A (2,088)	R410A (2,088)			
	Charge	5.6 (11.693)	7.1 (14.825)			
Separation tube	UTP-SX272A×1 (Twin)	UTP-SX372A×1 (Triple)	UTP-SX272A×1 (Twin)	UTP-SX372A×1 (Triple)	UTP-SX272A×1 (Twin)	UTP-SX254A×2 (Double Twin)

*: That specification is not fixed yet.

• Different type and capacity indoor units cannot be connected.
• The above table is the value for connecting with cassette type.

Dimensions

(Unit : mm)



New 2-unit Multi-split Indoor Units Specifications



Wall mounted



Model No.	Indoor unit		ASYG07KGTB	ASYG09KGTB	ASYG12KGTB	ASYG14KGTB
kW Class	kW		2.0	2.5	3.5	4.0
Power Source	Single phase, ~230V, 50Hz					
Sound Pressure Level	Cooling	H/M/L/Q	38/33/29/21	40/34/29/21	40/35/30/21	43/36/30/21
	Heating		41/35/31/22	42/36/31/22	42/38/33/22	44/39/33/24
Sound Power Level	Cooling	H	54	55	55	57
	Heating		56	57	58	59
Airflow Rate	Cooling	H/M/L/Q	650/540/430/270	700/560/430/270	700/560/430/270	770/600/450/280
	Heating		720/580/460/330	750/610/470/330	770/640/520/330	800/660/520/340
Net Dimensions	mm		270x834x215	270x834x215	270x834x215	270x834x215
Weight	kg(lbs)		10 (22)	10 (22)	10 (22)	10 (22)
Connection Pipe Diameter	Liquid/Gas	mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/9.52

Wall mounted



Model No.	Indoor unit		ASYG07KETA ASYG07KETA-B	ASYG09KETA ASYG09KETA-B	ASYG12KETA ASYG12KETA-B	ASYG14KETA ASYG14KETA-B
kW Class	kW		2.0	2.5	3.5	4.0
Power Source	Single phase, ~230V, 50Hz					
Sound Pressure Level	Cooling	H/M/L/Q	38/33/29/21	40/34/29/21	40/35/30/21	43/36/30/21
	Heating		41/35/31/22	42/36/31/22	42/38/33/22	44/39/33/24
Sound Power Level	Cooling	H	55	55	55	57
	Heating		56	57	58	59
Airflow Rate	Cooling	H/M/L/Q	650/540/430/270	700/560/430/270	700/560/430/270	770/600/450/280
	Heating		720/580/460/330	750/610/470/330	770/640/520/330	800/660/520/340
Net Dimensions	mm		295x950 (wall side: 840)x230			
Weight	kg(lbs)		11(24)	11(24)	11(24)	11.5(25)
Connection Pipe Diameter	Liquid/Gas	mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/9.52

Wall mounted



Model No.	Indoor unit		ASYG07KMCC	ASYG09KMCC	ASYG12KMCC	ASYG14KMCC
kW Class	kW		2.0	2.5	3.5	4.0
Power Source	Single phase, ~230V, 50Hz					
Sound Pressure Level	Cooling	H/M/L/Q	38/33/29/21	40/34/29/21	40/35/30/21	43/36/30/21
	Heating		41/35/31/22	42/36/31/22	42/38/33/22	44/39/33/24
Sound Power Level	Cooling	H	55	55	55	57
	Heating		56	57	58	59
Airflow Rate	Cooling	H/M/L/Q	650/540/430/320	700/560/430/320	700/560/430/320	770/600/450/310
	Heating		720/580/460/330	750/610/470/330	780/640/520/330	820/660/520/340
Net Dimensions	mm		270x834x222	270x834x222	270x834x222	270x834x222
Weight	kg(lbs)		10 (22)	10 (22)	10 (22)	10 (22)
Connection Pipe Diameter	Liquid/Gas	mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/9.52

Compact cassette Grid type



Model No.	Indoor unit		AUXG07KVLA	AUXG09KVLA	AUXG12KVLA	AUXG14KVLA
kW Class	kW		2.0	2.5	3.5	4.0
Power Source	Single phase, ~230V, 50Hz					
Sound Pressure Level	Cooling	H/M/L/Q	33/31/29/27	33/31/29/27	37/34/31/28	38/35/32/29
	Heating		34/32/29/27	34/32/29/27	37/34/31/29	43/38/34/30
Sound Power Level	Cooling	H	46	46	49	50
	Heating		47	47	49	55
Airflow Rate	Cooling	H/M/L/Q	540/490/440/390	540/490/440/390	610/530/470/410	680/580/490/410
	Heating		540/490/440/390	540/490/440/390	610/530/470/410	790/680/580/450
Net Dimensions	mm		245x570x570	245x570x570	245x570x570	245x570x570
Weight	kg(lbs)		15 (33)	15 (33)	15 (33)	15 (33)
Panel			UTG-UFYF-W	UTG-UFYF-W	UTG-UFYF-W	UTG-UFYF-W
Connection Pipe Diameter	Liquid/Gas	mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/9.52

Mini duct



Model No.	Indoor unit		ARXG07KSLAP	ARXG09KSLAP	ARXG12KSLAP	ARXG14KSLAP
kW Class	kW		2.0	2.5	3.5	4.0
Power Source	Single phase, ~230V, 50Hz					
Sound Pressure Level	Cooling	H/M/L/Q	29/26/24/23	29/26/24/23	31/27/25/23	35/30/27/23
	Heating		29/26/24/23	29/26/24/23	31/27/25/23	35/30/27/23
Sound Power Level	Cooling	H	52	54	55	60
	Heating		53	56	57	62
Airflow Rate	Cooling	H/M/L/Q	550/440/390/360	600/450/400/360	650/490/430/360	800/640/530/360
	Heating		550/440/390/360	600/450/400/360	650/490/430/360	800/640/530/360
Net Dimensions	mm		198x700x450	198x700x450	198x700x450	198x700x450
Weight	kg(lbs)		15.5 (34)	15.5 (34)	15.5 (34)	15.5 (34)
Connection Pipe Diameter	Liquid/Gas	mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/9.52
External static pressure	Pa		0 to 30	0 to 30	0 to 30	0 to 50
Drain pump	Standard					

Slim duct



Model No.	Indoor unit		ARXG07KLLAP	ARXG09KLLAP	ARXG12KLLAP	ARXG14KLLAP
kW Class	kW		2.0	2.5	3.5	4.0
Power Source	Single phase, ~230V, 50Hz					
Sound Pressure Level	Cooling	H/M/L/Q	28/26/25/24	28/27/26/25	29/28/27/26	32/30/28/26
	Heating		28/26/25/24	28/26/25/24	29/28/27/26	32/30/28/25
Sound Power Level	Cooling	H	57	57	58	60
	Heating		57	57	58	60
Airflow Rate	Cooling	H/M/L/Q	550/490/470/440	600/550/500/450	650/600/550/480	800/700/600/480
	Heating		550/490/470/440	600/550/500/450	650/600/550/480	800/700/600/480
Net Dimensions	mm		198x700x620	198x700x620	198x700x620	198x700x620
Weight	kg(lbs)		16 (35)	17 (37)	17 (37)	17 (37)
Connection Pipe Diameter	Liquid/Gas	mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/9.52
External static pressure	Pa		0 to 90	0 to 90	0 to 90	0 to 90
Drain pump	Standard					

2-unit to 8-unit Multi-split Indoor Units Specifications

Wall mounted



Model No.	Indoor unit		ASYG07KMCC	ASYG09KMCC	ASYG12KMCC	ASYG14KMCC*
kW Class			2.0	2.5	3.5	4.0
Power Source			Single phase, ~230V, 50Hz			
Sound Pressure Level	Cooling	H/M/L/Q	38/33/29/21	40/34/29/21	40/35/30/21	43/36/30/21
	Heating		41/35/31/22	42/36/31/22	42/38/33/22	44/39/33/24
Sound Power Level	Cooling	H	54	55	55	57
	Heating		56	57	58	59
Airflow Rate	Cooling	H/M/L/Q	650/540/430/320	700/560/430/320	700/560/430/320	770/600/450/310
	Heating		720/580/460/330	750/610/470/330	780/640/520/330	820/660/520/340
Net Dimensions			270x834x222	270x834x222	270x834x222	270x834x222
Weight			10 (22)	10 (22)	10 (22)	10 (22)
Connection Pipe Diameter	Liquid/Gas	mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.70

* When connecting 14 model to multi-split type outdoor unit for R410A refrigerant, Adapter H is required for its piping.

Compact wall mounted



Model No.	Indoor unit		ASYG07LUCA	ASYG09LUCA	ASYG12LUCA	ASYG14LUCA
kW Class			2.0	2.5	3.5	4.0
Power Source			Single phase, ~230V, 50Hz			
Sound Pressure Level	Cooling	H/M/L/Q	35/30/28/21	36/32/28/21	37/34/31/21	41/36/33/25
	Heating		35/30/28/21	36/32/28/21	37/34/31/21	41/36/34/27
Sound Power Level	Cooling	H	53	54	55	59
	Heating		53	54	55	59
Airflow Rate	Cooling	H/M/L/Q	570/520/470/330	600/550/470/330	660/600/530/330	710/640/570/390
	Heating		570/520/470/330	600/550/470/330	660/600/530/330	710/640/590/430
Net Dimensions			282x870x185	282x870x185	282x870x185	282x870x185
Weight			9.5 (21)	9.5 (21)	9.5 (21)	9.5 (21)
Connection Pipe Diameter	Liquid/Gas	mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.70

Wall mounted



Model No.	Indoor unit		ASYG18LFCA	ASYG24LFCC
kW Class			5.0	7.0
Power Source			Single phase, ~230V, 50Hz	
Sound Pressure Level	Cooling	H/M/L/Q	43/37/33/26	49/42/37/33
	Heating		42/37/33/25	48/42/37/33
Sound Power Level	Cooling	H	58	64
	Heating		58	64
Airflow Rate	Cooling	H/M/L/Q	900/740/620/550	1,120/900/740/620
	Heating		900/740/620/550	1,100/900/740/620
Net Dimensions			320x998x238	320x998x238
Weight			14 (31)	14 (31)
Connection Pipe Diameter	Liquid/Gas	mm	6.35/12.70	6.35/15.88

Compact wall mounted



Model No.	Indoor unit		ASYG07LMCE	ASYG09LMCE	ASYG12LMCE	ASYG14LMCE
kW Class			2.0	2.5	3.5	4.0
Power Source			Single phase, ~230V, 50Hz			
Sound Pressure Level	Cooling	H/M/L/Q	36/32/29/21	37/33/29/21	40/36/30/21	42/38/33/25
	Heating		36/32/29/22	37/33/29/22	40/36/31/22	42/38/35/27
Sound Power Level	Cooling	H	51	52	54	56
	Heating		51	52	55	57
Airflow Rate	Cooling	H/M/L/Q	560/500/430/310	600/520/430/310	660/560/450/310	730/600/530/360
	Heating		560/500/430/330	600/520/430/330	660/560/470/330	730/615/560/375
Net Dimensions			270x870x204	270x870x204	270x870x204	270x870x204
Weight			8.5 (19)	8.5 (19)	8.5 (19)	8.5 (19)
Connection Pipe Diameter	Liquid/Gas	mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.70

Floor



Model No.	Indoor unit		AGYG09LVCA	AGYG12LVCA	AGYG14LVCA
kW Class			2.5	3.5	4.0
Power Source			Single phase, ~230V, 50Hz		
Sound Pressure Level	Cooling	H/M/L/Q	39/34/28/22	42/36/30/22	44/38/31/22
	Heating		39/35/30/22	42/38/32/22	44/39/33/22
Sound Power Level	Cooling	H	52	55	56
	Heating		52	55	56
Airflow Rate	Cooling	H/M/L/Q	530/440/360/270	600/490/380/270	650/520/400/270
	Heating		530/460/380/270	600/510/410/270	650/540/430/270
Net Dimensions			600x740x200	600x740x200	600x740x200
Weight			14 (31)	14 (31)	14 (31)
Connection Pipe Diameter	Liquid/Gas	mm	6.35/9.52	6.35/9.52	6.35/12.70

Floor ceiling



Model No.	Indoor unit		ABYG14LVTA	ABYG18LVTB
kW Class			4.0	5.0
Power Source			Single phase, ~230V, 50Hz	
Sound Pressure Level	Cooling	H/M/L/Q	36/34/33/29 (Under ceiling) 39/37/36/32 (Floor console)	41/38/34/32 (Under ceiling) 44/41/37/35 (Floor console)
	Heating		36/34/33/29 (Under ceiling) 39/37/36/32 (Floor console)	41/38/34/32 (Under ceiling) 44/41/37/35 (Floor console)
Sound Power Level	Cooling	H	51	55
	Heating		51	55
Airflow Rate	Cooling	H/M/L/Q	640/590/540/480	780/700/560/500
	Heating		640/590/540/480	780/700/560/500
Net Dimensions			199x990x655	199x990x655
Weight			27 (60)	27 (60)
Connection Pipe Diameter	Liquid/Gas	mm	6.35/12.70	6.35/12.70

Compact cassette



Model No.	Indoor unit		AUYG07LVLA	AUYG09LVLA	AUYG12LVLB	AUYG14LVLB	AUYG18LVLB
kW Class			2.0	2.5	3.5	4.0	5.0
Power Source			Single phase, ~230V, 50Hz				
Sound Pressure Level	Cooling	H/M/L/Q	33/31/29/27	33/31/29/27	37/33/31/28	40/35/32/29	42/37/33/29
	Heating		34/32/29/27	34/32/29/27	37/33/31/28	40/37/34/29	44/40/37/30
Sound Power Level	Cooling	H	46	46	49	52	54
	Heating		47	47	49	52	56
Airflow Rate	Cooling	H/M/L/Q	540/490/440/390	540/490/440/390	610/530/470/410	680/580/490/410	750/610/520/410
	Heating		540/490/440/390	540/490/440/390	610/530/470/410	700/620/550/430	800/710/600/450
Net Dimensions			245x570x570	245x570x570	245x570x570	245x570x570	245x570x570
Weight			15 (33)	15 (33)	15 (33)	15 (33)	15 (33)
Panel			UTG-UFYD-W				
Connection Pipe Diameter	Liquid/Gas	mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.70	6.35/12.70

Mini duct



Model No.	Indoor unit		ARYG07LSLAP	ARYG09LSLAP	ARYG12LSLAP	ARYG14LSLAP	ARYG18LSLAP
kW Class			2.0	2.5	3.5	4.0	5.0
Power Source			Single phase, ~230V, 50Hz				
Sound Pressure Level	Cooling	H/M/L/Q	29/26/24/23	29/26/24/23	31/27/25/23	35/30/27/23	33/29/26/23
	Heating		29/26/24/23	29/26/24/23	31/27/25/23	35/30/27/23	33/29/26/23
Sound Power Level	Cooling	H	52	54	55	60	58
	Heating		53	56	57	62	59
Airflow Rate	Cooling	H/M/L/Q	550/440/390/360	600/450/400/360	650/490/430/360	800/640/530/360	940/750/540/480
	Heating		550/440/390/360	600/450/400/360	650/490/430/360	800/640/530/360	940/750/540/480
Net Dimensions			198x700x450	198x700x450	198x700x450	198x700x450	198x900x450
Weight			15.5 (33)			18.5 (41)	
Connection Pipe Diameter	Liquid/Gas	mm	6.35/9.52			6.35/12.70	
External static pressure			0 to 30			0 to 50	
Drain pump			Standard				

Slim duct



Model No.	Indoor unit		ARYG07LLTA	ARYG09LLTA	ARYG12LLTB	ARYG14LLTB	ARYG18LLTB
kW Class			2.0	2.5	3.5	4.0	5.0
Power Source			Single phase, ~230V, 50Hz				
Sound Pressure Level	Cooling	H/M/L/Q	28/26/25/24	28/27/26/25	29/28/27/26	32/30/28/26	32/31/30/29
	Heating		28/26/25/24	28/26/25/24	29/28/27/26	33/30/28/25	33/32/31/29
Sound Power Level	Cooling	H	57	57	58	60	58
	Heating		57	57	58	61	59
Airflow Rate	Cooling	H/M/L/Q	550/490/470/440	600/550/500/450	650/600/550/480	800/700/600/480	940/880/820/750
	Heating		550/490/470/440	600/550/500/450	650/600/550/480	800/700/600/480	940/880/820/750
Net Dimensions			198x700x620	198x700x620	198x700x620	198x700x620	198x900x620
Weight			17 (37)	19 (42)	19 (42)	19 (42)	23 (51)
Connection Pipe Diameter	Liquid/Gas	mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.7	6.35/12.70
External static pressure			0 to 90				
Drain pump			Standard				

2-unit Multi-split Combination Table-Cooling/Heating



2-unit Multi-split cooling

AOYG14KBTA2	Combination of Indoor Unit		Cooling Operation					Seasonal Data		
			Cooling Capacity			Input Power (min-max)	EER	Pdesign	SEER	Energy efficiency class
			Unit 1	Unit 2	Total Capacity (min-max)					
2-unit connection	7	7	2.00	2.00	4.00(1.4-4.6)	0.97(0.25-1.20)	4.12	4.0	8.7	A+++
	7	9	1.75	2.25	4.00(1.4-4.6)	0.97(0.25-1.20)	4.12	4.0	8.7	A+++
	7	12	1.47	2.53	4.00(1.4-4.6)	0.97(0.25-1.20)	4.12	4.0	8.7	A+++
	9	9	2.00	2.00	4.00(1.4-4.6)	0.97(0.25-1.20)	4.12	4.0	8.7	A+++
	9	12	1.71	2.29	4.00(1.4-4.6)	0.97(0.25-1.20)	4.12	4.0	8.7	A+++

Note: •7:7000Btu/h / 9:9000Btu/h / 12:12000Btu/h models
 •The above is the value for connecting with Wall Mounted [KG] type.
 •2 or more indoor units should be connected.
 •Cooling capacity is based on 27°CDB/19°CWB (indoor temperature), 35°CDB (outdoor temperature).
 •Pipe Length: 5 m, Height difference: 0 m (Outdoor unit to Indoor unit)
 •The Total ability of connected indoor unit is up to 21000Btu from 14000Btu.

AOYG18KBTA2	Combination of Indoor Unit		Cooling Operation					Seasonal Data		
			Cooling Capacity			Input Power (min-max)	EER	Pdesign	SEER	Energy efficiency class
			Unit 1	Unit 2	Total Capacity (min-max)					
2-unit connection	7	7	2.00	2.00	4.00(1.7-5.0)	0.92(0.25-1.23)	4.35	4.0	8.8	A+++
	7	9	2.00	2.50	4.50(1.7-5.7)	1.07(0.25-1.45)	4.22	4.5	8.7	A+++
	7	12	1.84	3.16	5.00(1.7-5.8)	1.24(0.25-1.55)	4.03	5.0	8.6	A+++
	7	14	1.67	3.33	5.00(1.7-5.8)	1.24(0.25-1.55)	4.03	5.0	8.6	A+++
	9	9	2.50	2.50	5.00(1.7-5.8)	1.24(0.25-1.55)	4.03	5.0	8.6	A+++
	9	12	2.14	2.86	5.00(1.7-5.8)	1.24(0.25-1.55)	4.03	5.0	8.6	A+++
	9	14	1.96	3.04	5.00(1.7-5.8)	1.24(0.25-1.55)	4.03	5.0	8.6	A+++
	12	12	2.50	2.50	5.00(1.7-5.8)	1.24(0.25-1.55)	4.03	5.0	8.6	A+++
	12	14	2.31	2.69	5.00(1.7-5.8)	1.24(0.25-1.55)	4.03	5.0	8.6	A+++

Note: •7:7000Btu/h / 9:9000Btu/h / 12:12000Btu/h / 14:14000Btu/h models
 •The above is the value for connecting with Wall Mounted [KG] type.
 •2 or more indoor units should be connected.
 •Cooling capacity is based on 27°CDB/19°CWB (indoor temperature), 35°CDB (outdoor temperature).
 •Pipe Length: 5 m, Height difference: 0 m (Outdoor unit to Indoor unit)
 •The Total ability of connected indoor unit is up to 26000Btu from 14000Btu.

2-unit Multi-split heating

AOYG14KBTA2	Combination of Indoor Unit		Heating Operation					Seasonal Data		
			Heating Capacity			Input Power (min-max)	COP	Pdesign	SCOP	Energy efficiency class
			Unit 1	Unit 2	Total Capacity (min-max)					
2-unit connection	7	7	2.20	2.20	4.40(1.1-5.5)	0.95(0.25-1.65)	4.63	3.5	4.7	A++
	7	9	1.92	2.48	4.40(1.1-5.5)	0.95(0.25-1.65)	4.63	3.5	4.7	A++
	7	12	1.62	2.78	4.40(1.1-5.5)	0.95(0.25-1.65)	4.63	3.5	4.7	A++
	9	9	2.20	2.20	4.40(1.1-5.5)	0.95(0.25-1.65)	4.63	3.5	4.7	A++
	9	12	1.89	2.51	4.40(1.1-5.5)	0.95(0.25-1.65)	4.63	3.5	4.7	A++

Note: •7:7000Btu/h / 9:9000Btu/h / 12:12000Btu/h models
 •The above is the value for connecting with Wall Mounted [KG] type.
 •2 or more indoor units should be connected.
 •Heating capacity is based on 20°CDB (indoor temperature), 7°CDB/6°CWB (outdoor temperature).
 •Pipe Length: 5 m, Height difference: 0 m (Outdoor unit to Indoor unit)
 •The Total ability of connected indoor unit is up to 21000Btu from 14000Btu.

AOYG18KBTA2	Combination of Indoor Unit		Heating Operation					Seasonal Data		
			Heating Capacity			Input Power (min-max)	COP	Pdesign	SCOP	Energy efficiency class
			Unit 1	Unit 2	Total Capacity (min-max)					
2-unit connection	7	7	2.40	2.40	4.80(1.7-5.6)	0.99(0.25-1.35)	4.85	3.8	4.7	A++
	7	9	2.40	3.00	5.40(1.7-6.4)	1.15(0.25-1.60)	4.70	4.0	4.7	A++
	7	12	2.06	3.54	5.60(1.7-7.0)	1.22(0.25-1.80)	4.59	4.2	4.7	A++
	7	14	1.87	3.73	5.60(1.7-7.0)	1.22(0.25-1.80)	4.59	4.2	4.7	A++
	9	9	2.80	2.80	5.60(1.7-7.0)	1.22(0.25-1.80)	4.59	4.2	4.7	A++
	9	12	2.40	3.20	5.60(1.7-7.0)	1.22(0.25-1.80)	4.59	4.2	4.7	A++
	9	14	2.19	3.41	5.60(1.7-7.0)	1.22(0.25-1.80)	4.59	4.2	4.7	A++
	12	12	2.80	2.80	5.60(1.7-7.0)	1.22(0.25-1.80)	4.59	4.2	4.7	A++
	12	14	2.58	3.02	5.60(1.7-7.0)	1.22(0.25-1.80)	4.59	4.2	4.7	A++

Note: •7:7000Btu/h / 9:9000Btu/h / 12:12000Btu/h / 14:14000Btu/h models
 •The above is the value for connecting with Wall Mounted [KG] type.
 •2 or more indoor units should be connected.
 •Heating capacity is based on 20°CDB (indoor temperature), 7°CDB/6°CWB (outdoor temperature).
 •Pipe Length: 5 m, Height difference: 0 m (Outdoor unit to Indoor unit)
 •The Total ability of connected indoor unit is up to 26000Btu from 14000Btu.



2-unit Multi-split cooling

AOYG14LAC2	Combination of Indoor Unit		Cooling Operation					Seasonal Data		
			Cooling Capacity			Input Power (min-max)	EER	Pdesign	SEER	Energy efficiency class
			Unit 1	Unit 2	Total Capacity (min-max)					
2-unit connection	7	7	2.00	2.00	4.00 (1.4-4.4)	1.09 (0.35-1.40)	3.67	4.0	6.7	A++
	7	9	1.95	2.05	4.00 (1.4-4.4)	1.09 (0.35-1.40)	3.67	4.0	6.6	A++
	7	12	1.65	2.35	4.00 (1.4-4.6)	1.05 (0.35-1.47)	3.81	4.0	6.5	A++
	9	9	2.00	2.00	4.00 (1.4-4.5)	1.09 (0.35-1.43)	3.67	4.0	6.6	A++
	9	12	1.70	2.30	4.00 (1.4-4.7)	1.05 (0.35-1.47)	3.81	4.0	6.5	A++

Note: •7:7000Btu/h / 9:9000Btu/h / 12:12000Btu/h models
 •The above is the value for connecting with Wall Mounted type.
 •2 or more indoor units should be connected.
 •Cooling capacity is based on 27°CDB/19°CWB (indoor temperature), 35°CDB (outdoor temperature).
 •Pipe Length: 5 m, Height difference: 0 m (Outdoor unit to Indoor unit)
 •The Total ability of connected indoor unit is up to 21000Btu from 14000Btu.

AOYG18LAC2	Combination of Indoor Unit		Cooling Operation					Seasonal Data		
			Cooling Capacity			Input Power (min-max)	EER	Pdesign	SEER	Energy efficiency class
			Unit 1	Unit 2	Total Capacity (min-max)					
2-unit connection	7	7	2.10	2.10	4.20 (1.7-5.2)	1.24 (0.35-1.68)	3.39	4.2	7.0	A++
	7	9	2.10	2.50	4.60 (1.7-5.3)	1.26 (0.35-1.79)	3.65	4.6	6.8	A++
	7	12	1.90	3.10	5.00 (1.7-5.6)	1.55 (0.35-1.95)	3.23	5.0	6.5	A++
	7	14	1.80	3.20	5.00 (1.8-5.7)	1.55 (0.40-1.99)	3.23	5.0	6.5	A++
	9	9	2.50	2.50	5.00 (1.7-5.6)	1.56 (0.35-1.95)	3.21	5.0	6.6	A++
	9	12	2.10	2.90	5.00 (1.7-5.7)	1.55 (0.35-1.95)	3.23	5.0	6.5	A++
	9	14	2.00	3.00	5.00 (1.8-5.8)	1.55 (0.40-1.99)	3.23	5.0	6.4	A++
	12	12	2.50	2.50	5.00 (1.7-5.8)	1.56 (0.35-1.99)	3.21	5.0	6.4	A++

Note: •7:7000Btu/h / 9:9000Btu/h / 12:12000Btu/h / 14:14000Btu/h models
 •The above is the value for connecting with Wall Mounted type.
 •2 or more indoor units should be connected.
 •Cooling capacity is based on 27°CDB/19°CWB (indoor temperature), 35°CDB (outdoor temperature).
 •Pipe Length: 5 m, Height difference: 0 m (Outdoor unit to Indoor unit)
 •The Total ability of connected indoor unit is up to 24000Btu from 14000Btu.
 •Where "14" means "wall mounted type" only models. Other types of indoor units cannot be connected.

2-unit Multi-split heating

AOYG14LAC2	Combination of Indoor Unit		Heating Operation					Seasonal Data		
			Heating Capacity			Input Power (min-max)	COP	Pdesign	SCOP	Energy efficiency class
			Unit 1	Unit 2	Total Capacity (min-max)					
2-unit connection	7	7	2.20	2.20	4.40 (1.1-5.4)	1.03 (0.25-1.78)	4.27	3.8	4.1	A+
	7	9	2.15	2.25	4.40 (1.1-5.4)	1.03 (0.25-1.78)	4.27	3.8	4.1	A+
	7	12	1.95	2.45	4.40 (1.1-5.5)	1.02 (0.25-1.76)	4.31	3.8	4.0	A+
	9	9	2.20	2.20	4.40 (1.1-5.4)	1.03 (0.25-1.78)	4.27	3.8	4.0	A+
	9	12	2.00	2.40	4.40 (1.1-5.5)	1.02 (0.25-1.76)	4.31	3.8	4.0	A+

Note: •7:7000Btu/h / 9:9000Btu/h / 12:12000Btu/h models
 •The above is the value for connecting with Wall Mounted type.
 •2 or more indoor units should be connected.
 •Heating capacity is based on 20°CDB (indoor temperature), 7°CDB/6°CWB (outdoor temperature).
 •Pipe Length: 5 m, Height difference: 0 m (Outdoor unit to Indoor unit)
 •The Total ability of connected indoor unit is up to 21000Btu from 14000Btu.

AOYG18LAC2	Combination of Indoor Unit		Heating Operation					Seasonal Data		
			Heating Capacity			Input Power (min-max)	COP	Pdesign	SCOP	Energy efficiency class
			Unit 1	Unit 2	Total Capacity (min-max)					
2-unit connection	7	7	2.70	2.70	5.40 (1.8-6.0)	1.24 (0.50-1.61)	4.37	3.8	4.1	A+
	7	9	2.50	3.00	5.50 (1.8-6.0)	1.36 (0.50-1.87)	4.04	4.0	4.1	A+
	7	12	2.30	3.30	5.60 (1.8-6.1)	1.38 (0.50-1.88)	4.06	4.2	4.0	A+
	7	14	2.25	3.35	5.60 (1.9-6.2)	1.35 (0.55-1.86)	4.15	4.2	4.0	A+
	9	9	2.80	2.80	5.60 (1.8-6.1)	1.41 (0.50-1.90)	3.97	4.2	4.1	A+
	9	12	2.45	3.15	5.60 (1.8-6.2)	1.38 (0.50-1.88)	4.07	4.2	4.0	A+
	9	14	2.35	3.25	5.60 (1.9-6.3)	1.35 (0.55-1.86)	4.15	4.2	4.0	A+
	12	12	2.80	2.80	5.60 (1.8-6.3)	1.34 (0.50-1.84)	4.18	4.2	4.0	A+

Note: •7:7000Btu/h / 9:9000Btu/h / 12:12000Btu/h / 14:14000Btu/h models
 •The above is the value for connecting with Wall Mounted type.
 •2 or more indoor units should be connected.
 •Heating capacity is based on 20°CDB (indoor temperature), 7°CDB/6°CWB (outdoor temperature).
 •Pipe Length: 5 m, Height difference: 0 m (Outdoor unit to Indoor unit)
 •The Total ability of connected indoor unit is up to 24000Btu from 14000Btu.
 •Where "14" means "wall mounted type" only models. Other types of indoor units cannot be connected.

3-unit Multi-split Combination Table-Cooling/Heating

3-unit Multi-split cooling

AOYG18LAT3	Combination of Indoor Unit			Cooling Operation						Seasonal Data		
				Cooling Capacity				Input Power (min-max)	EER	Pdesign	SEER	Energy efficiency
				Unit 1 kW	Unit 2 kW	Unit 3 kW	Total Capacity (min-max) kW					
2-unit connection	7	7	-	2.30	2.30	-	4.60 (1.8-5.0)	1.22 (0.50-1.43)	3.77	4.6	6.3	A++
	7	9	-	2.30	2.70	-	5.00 (1.8-5.7)	1.35 (0.50-1.81)	3.70	5.0	6.2	A++
	7	12	-	1.98	3.02	-	5.00 (1.8-6.1)	1.34 (0.50-2.06)	3.73	5.0	6.2	A++
	7	14	-	1.88	3.42	-	5.30 (1.8-6.6)	1.34 (0.50-2.06)	3.96	5.3	6.1	A++
	9	9	-	2.50	2.50	-	5.00 (1.8-6.2)	1.35 (0.50-2.06)	3.70	5.0	6.2	A++
	9	12	-	2.18	2.82	-	5.00 (1.8-6.3)	1.35 (0.50-2.06)	3.70	5.0	6.2	A++
	9	14	-	2.07	3.23	-	5.30 (1.8-6.7)	1.35 (0.50-2.06)	3.93	5.3	6.1	A++
	12	12	-	2.55	2.55	-	5.10 (1.8-6.3)	1.35 (0.50-2.06)	3.78	5.1	6.1	A++
3-unit connection	7	7	7	1.80	1.80	1.80	5.40 (1.8-6.8)	1.35 (0.50-2.06)	4.00	5.4	6.9	A++
	7	7	9	1.70	1.70	2.00	5.40 (1.8-6.8)	1.35 (0.50-2.06)	4.00	5.4	6.9	A++
	7	7	12	1.53	1.53	2.33	5.40 (1.8-6.8)	1.35 (0.50-2.06)	4.00	5.4	6.7	A++
	7	7	14	1.41	1.41	2.58	5.40 (2.0-6.8)	1.35 (0.60-2.06)	4.00	5.4	6.7	A++
	7	9	9	1.61	1.89	1.89	5.40 (1.8-6.8)	1.35 (0.50-2.06)	4.00	5.4	6.8	A++
	7	9	12	1.46	1.72	2.22	5.40 (1.8-6.8)	1.35 (0.50-2.06)	4.00	5.4	6.7	A++
	7	9	14	1.35	1.58	2.47	5.40 (2.0-6.8)	1.35 (0.60-2.06)	4.00	5.4	6.7	A++
	9	9	9	1.80	1.80	1.80	5.40 (1.8-6.8)	1.35 (0.50-2.06)	4.00	5.4	6.8	A++
9	9	12	1.64	1.64	2.12	5.40 (1.8-6.8)	1.35 (0.50-2.06)	4.00	5.4	6.7	A++	

ADYG24LAT3	Combination of Indoor Unit			Cooling Operation						Seasonal Data		
				Cooling Capacity				Input Power (min-max)	EER	Pdesign	SEER	Energy efficiency
				Unit 1 kW	Unit 2 kW	Unit 3 kW	Total Capacity (min-max) kW					
2-unit connection	7	7	-	2.30	2.30	-	4.60 (1.8-5.0)	1.20 (0.50-1.40)	3.83	4.6	6.3	A++
	7	9	-	2.30	2.70	-	5.00 (1.8-5.7)	1.36 (0.50-1.78)	3.68	5.0	6.2	A++
	7	12	-	2.38	3.42	-	5.80 (1.8-6.1)	1.70 (0.50-1.97)	3.41	5.8	6.1	A++
	7	14	-	2.37	4.13	-	6.50 (1.8-7.2)	1.91 (0.50-2.46)	3.40	6.5	6.0	A+
	7	18	-	2.08	4.52	-	6.60 (1.8-7.8)	1.91 (0.50-2.87)	3.46	6.6	5.9	A+
	9	9	-	2.75	2.75	-	5.50 (1.8-6.2)	1.55 (0.50-2.02)	3.55	5.5	6.1	A++
	9	12	-	2.79	3.41	-	6.20 (1.8-6.8)	1.90 (0.50-2.45)	3.26	6.2	5.9	A+
	9	14	-	2.66	3.94	-	6.60 (1.8-7.7)	1.91 (0.50-2.77)	3.46	6.6	6.0	A+
	9	18	-	2.35	4.35	-	6.70 (1.8-7.9)	1.91 (0.50-2.87)	3.51	6.7	5.9	A+
	12	12	-	3.15	3.15	-	6.30 (1.8-7.2)	1.90 (0.50-2.74)	3.32	6.3	5.9	A+
	12	14	-	3.03	3.67	-	6.70 (1.8-7.8)	1.91 (0.50-2.87)	3.51	6.7	5.9	A+
	12	18	-	2.66	4.04	-	6.70 (1.8-7.9)	1.92 (0.50-2.87)	3.49	6.7	5.8	A+
3-unit connection	7	7	7	2.23	2.23	2.23	6.70 (1.8-7.4)	1.89 (0.50-2.37)	3.54	6.7	6.4	A++
	7	7	9	2.14	2.14	2.52	6.80 (1.8-7.8)	1.94 (0.60-2.87)	3.51	6.8	6.4	A++
	7	7	12	1.98	1.98	2.84	6.80 (1.8-8.1)	1.93 (0.50-2.87)	3.52	6.8	6.3	A++
	7	7	14	1.82	1.82	3.16	6.80 (2.0-8.4)	1.94 (0.60-2.87)	3.51	6.8	6.2	A++
	7	7	18	1.63	1.63	3.54	6.80 (2.0-8.5)	1.94 (0.60-2.87)	3.51	6.8	6.1	A++
	7	9	9	2.03	2.38	2.38	6.80 (1.8-8.2)	1.93 (0.50-2.87)	3.52	6.8	6.4	A++
	7	9	12	1.88	2.21	2.70	6.80 (1.8-8.2)	1.93 (0.50-2.87)	3.52	6.8	6.2	A++
	7	9	14	1.74	2.04	3.02	6.80 (2.0-8.4)	1.94 (0.60-2.87)	3.51	6.8	6.2	A++
	7	9	18	1.56	1.84	3.40	6.80 (2.0-8.5)	1.94 (0.60-2.87)	3.51	6.8	6.1	A++
	7	12	12	1.76	2.52	2.52	6.80 (1.8-8.2)	1.94 (0.50-2.87)	3.51	6.8	6.2	A++
	7	12	14	1.63	2.34	2.83	6.80 (2.0-8.5)	1.94 (0.60-2.87)	3.51	6.8	6.2	A++
	9	9	9	2.27	2.27	2.27	6.80 (1.8-8.2)	1.94 (0.50-2.87)	3.51	6.8	6.4	A++
	9	9	12	2.11	2.11	2.58	6.80 (1.8-8.3)	1.94 (0.50-2.87)	3.51	6.8	6.2	A++
	9	9	14	1.95	1.95	2.89	6.80 (2.0-8.5)	1.94 (0.60-2.87)	3.51	6.8	6.2	A++
	9	9	18*	1.77	1.77	3.27	6.80 (2.0-8.5)	1.94 (0.60-2.87)	3.51	6.8	6.1	A++
	9	12	12	1.97	2.41	2.41	6.80 (1.8-8.3)	1.94 (0.50-2.87)	3.51	6.8	6.2	A++
	9	12	14	1.84	2.24	2.72	6.80 (2.0-8.5)	1.94 (0.60-2.87)	3.51	6.8	6.2	A++
	12	12	12	2.27	2.27	2.27	6.80 (1.8-8.3)	1.94 (0.50-2.87)	3.51	6.8	6.1	A++

Note: •7:7000Btu/h / 9:9000Btu/h / 12:12000Btu/h / 14:14000Btu/h / 18:18000Btu/h models
 •The above is the value for connecting with Wall Mounted type.
 •2 or more indoor units should be connected.
 •Cooling capacity is based on 27°CDB/19°CWB (indoor temperature), 35°CDB (outdoor temperature).
 •Pipe Length: 5 m, Height difference: 0 m (Outdoor unit to Indoor unit)
 •The total ability of connectable indoor units is up to 36000Btu from 14000Btu.
 *1: When ASYG18L is connected, connect at least 1 wall mounted type of 9000Btu.

3-unit Multi-split heating

AOYG18LAT3	Combination of Indoor Unit			Heating Operation						Seasonal Data			
				Heating Capacity				Input Power (min-max)	COP	Pdesign	SCOP	Energy efficiency	
				Unit 1 kW	Unit 2 kW	Unit 3 kW	Total Capacity (min-max) kW						
2-unit connection	7	7	-	2.70	2.70	-	5.40 (2.0-6.1)	1.59 (0.52-1.93)	3.40	4.0	4.1	A+	
	7	9	-	2.75	3.25	-	6.00 (2.0-6.4)	1.87 (0.52-2.06)	3.21	4.0	4.1	A+	
	7	12	-	2.59	3.71	-	6.30 (2.0-6.5)	1.98 (0.52-2.06)	3.18	4.0	4.1	A+	
	7	14	-	2.51	4.29	-	6.80 (2.0-7.1)	1.92 (0.50-2.06)	3.54	4.0	4.1	A+	
	9	9	-	3.15	3.15	-	6.30 (2.0-6.5)	1.98 (0.52-2.06)	3.18	4.0	4.1	A+	
	9	12	-	2.89	3.51	-	6.40 (2.0-6.6)	1.99 (0.52-2.06)	3.22	4.0	4.1	A+	
	9	14	-	2.77	4.03	-	6.80 (2.0-7.2)	1.91 (0.50-2.06)	3.56	4.0	4.1	A+	
	12	12	-	3.20	3.20	-	6.40 (2.0-6.6)	1.98 (0.52-2.06)	3.23	4.0	4.1	A+	
	12	14	-	3.09	3.71	-	6.80 (2.0-7.3)	1.90 (0.50-2.06)	3.58	4.0	4.1	A+	
	3-unit connection	7	7	7	2.27	2.27	2.27	6.80 (2.0-7.7)	1.62 (0.50-2.06)	4.20	5.0	4.3	A+
		7	7	9	2.14	2.14	2.52	6.80 (2.0-7.8)	1.62 (0.50-2.06)	4.20	5.0	4.3	A+
		7	7	12	1.98	1.98	2.83	6.80 (2.0-7.8)	1.59 (0.50-2.06)	4.28	5.0	4.3	A+
7		7	14	1.83	1.83	3.14	6.80 (2.0-8.0)	1.61 (0.50-2.06)	4.22	5.0	4.3	A+	
7		9	9	2.03	2.39	2.39	6.80 (2.0-7.8)	1.60 (0.50-2.06)	4.25	5.0	4.3	A+	
7		9	12	1.89	2.22	2.69	6.80 (2.0-7.9)	1.59 (0.50-2.06)	4.28	5.0	4.3	A+	
7		9	14	1.75	2.06	2.99	6.80 (2.0-8.0)	1.60 (0.50-2.06)	4.25	5.0	4.3	A+	
9		9	9	2.27	2.27	2.27	6.80 (2.0-7.9)	1.59 (0.50-2.06)	4.28	5.0	4.3	A+	
9		9	12	2.12	2.12	2.57	6.80 (2.0-7.9)	1.59 (0.50-2.06)	4.28	5.0	4.3	A+	

ADYG24LAT3	Combination of Indoor Unit			Heating Operation						Seasonal Data		
				Heating Capacity				Input Power (min-max)	COP	Pdesign	SCOP	Energy efficiency
				Unit 1 kW	Unit 2 kW	Unit 3 kW	Total Capacity (min-max) kW					
2-unit connection	7	7	-	2.75	2.75	-	5.50 (2.0-6.1)	1.55 (0.52-1.93)	3.55	4.0	4.1	A+
	7	9	-	2.80	3.30	-	6.10 (2.0-7.0)	1.82 (0.52-2.52)	3.35	4.0	4.1	A+
	7	12	-	2.88	4.12	-	7.00 (2.0-7.3)	2.31 (0.52-2.66)	3.03	4.0	4.1	A+
	7	14	-	2.80	4.80	-	7.60 (2.0-8.3)	2.28 (0.50-2.87)	3.33	4.0	4.1	A+
	7	18	-	2.51	5.39	-	7.90 (2.0-8.3)	2.34 (0.50-2.87)	3.38	4.0	4.1	A+
	9	9	-	3.30	3.30	-	6.60 (2.0-7.4)	2.04 (0.52-2.68)	3.24	4.0	4.1	A+
	9	12	-	3.30	4.00	-	7.30 (2.0-7.7)	2.43 (0.52-2.87)	3.00	4.0	4.1	A+
	9	14	-	3.22	4.68	-	7.90 (2.0-8.3)	2.38 (0.50-2.87)	3.32	4.0	4.1	A+
	9	18	-	2.84	5.16	-	8.00 (2.0-8.5)	2.32 (0.50-2.87)	3.45	4.0	4.1	A+
	12	12	-	3.80	3.80	-	7.60 (2.0-7.8)	2.54 (0.52-2.87)	2.99	4.0	4.1	A+
	12	14	-	3.59	4.31	-	7.90 (2.0-8.4)	2.37 (0.50-2.87)	3.33	4.0	4.1	A+
	12	18	-	3.20	4.80	-	8.00 (2.0-8.6)	2.31 (0.50-2.87)	3.46	4.0	4.1	A+
3-unit connection	7	7	7	2.60	2.60	2.60	7.80 (2.0-8.6)	1.94 (0.50-2.68)	4.02	5.0	4.3	A+
	7	7	9	2.52	2.52	2.96	8.00 (2.0-8.8)	2.00 (0.50-2.87)	4.00	5.2	4.2	A+
	7	7	12	2.34	2.34	3.32	8.00 (2.0-8.9)	1.99 (0.50-2.80)	4.02	5.2	4.2	A+
	7	7	14	2.16	2.16	3.68	8.00 (2.0-9.2)	1.91 (0.50-2.72)	4.19	5.2	4.2	A+
	7	7	18	1.94	1.94	4.12	8.00 (2.0-9.2)	1.89 (0.50-2.70)	4.23	5.2	4.2	A+
	7	9	9	2.38	2.81	2.81	8.00 (2.0-9.0)	1.99 (0.50-2.87)	4.02	5.2	4.2	A+
	7	9	12	2.23	2.62	3.15	8.00 (2.0-9.1)	1.98 (0.50-2.87)	4.04	5.2	4.2	A+
	7	9	14	2.06	2.42	3.52	8.00 (2.0-9.2)	1.91 (0.50-2.72)	4.19	5.2	4.2	A+
	7	9	18	1.85	2.18	3.97	8.00 (2.0-9.2)	1.89 (0.50-2.69)	4.23	5.2	4.2	A+
	7	12	1									

4-unit Multi-split Combination Table-Cooling/Heating

4-unit Multi-split cooling

AOYG30LAT4	Combination of Indoor Unit	Cooling Operation											
		Cooling Capacity					Input Power (min-max)	EER	Seasonal Data				
		Unit 1 kW	Unit 2 kW	Unit 3 kW	Unit 4 kW	Total Capacity (min-max) kW			Pdesign kW	SEER	Energy efficiency		
7	7	14	-	1.96	1.96	3.27	-	7.20 (1.6-8.9)	2.22 (0.68-3.43)	3.24	7.2	5.9	A+
7	7	18	-	1.81	1.81	4.08	-	7.70 (2.8-10.0)	2.22 (0.98-3.55)	3.47	7.7	5.8	A+
7	7	24	-	1.61	1.61	4.57	-	7.80 (2.8-10.1)	2.19 (0.98-3.53)	3.56	7.8	5.8	A+
7	9	12	-	2.08	2.34	2.78	-	7.20 (1.6-8.9)	2.22 (0.68-3.41)	3.24	7.2	5.9	A+
7	9	14	-	1.90	2.14	3.16	-	7.20 (2.8-9.1)	2.22 (0.98-3.56)	3.24	7.2	5.9	A+
7	9	18	-	1.76	1.98	3.96	-	7.70 (2.8-9.9)	2.22 (0.98-3.56)	3.47	7.7	5.8	A+
7	9	24	-	1.57	1.77	4.46	-	7.80 (2.8-10.1)	2.19 (0.98-3.53)	3.56	7.8	5.8	A+
7	12	12	-	1.96	2.62	2.62	-	7.20 (1.6-9.1)	2.22 (0.68-3.54)	3.24	7.2	5.9	A+
7	12	14	-	1.83	2.43	3.04	-	7.30 (2.8-9.2)	2.22 (0.98-3.56)	3.29	7.3	5.9	A+
7	12	18	-	1.68	2.24	3.78	-	7.70 (2.8-9.9)	2.22 (0.98-3.56)	3.47	7.7	5.8	A+
7	12	24	-	1.51	2.01	4.28	-	7.80 (2.8-10.1)	2.19 (0.98-3.56)	3.56	7.8	5.8	A+
7	14	14	-	1.68	2.81	2.81	-	7.30 (2.8-9.3)	2.22 (0.98-3.58)	3.29	7.3	5.9	A+
7	14	18	-	1.57	2.61	3.52	-	7.70 (3.5-10.0)	2.22 (1.17-3.58)	3.47	7.7	5.8	A+
7	14	24	-	1.44	2.39	4.07	-	7.90 (3.5-10.1)	2.20 (1.17-3.58)	3.59	7.9	5.8	A+
7	18	18	-	1.42	3.19	3.19	-	7.80 (3.5-10.1)	2.22 (1.17-3.58)	3.51	7.8	5.7	A+
7	18	24	-	1.30	2.92	3.68	-	7.90 (4.7-10.1)	2.22 (1.27-3.58)	3.56	7.9	5.7	A+
9	9	9	-	2.40	2.40	2.40	-	7.20 (2.8-8.9)	2.22 (0.98-3.42)	3.24	7.2	5.9	A+
9	9	12	-	2.26	2.26	2.68	-	7.20 (2.8-9.1)	2.22 (0.98-3.54)	3.24	7.2	5.9	A+
9	9	14	-	2.10	2.10	3.11	-	7.30 (2.8-9.2)	2.22 (0.98-3.57)	3.29	7.3	5.9	A+
9	9	18	-	1.93	1.93	3.85	-	7.70 (2.8-9.9)	2.22 (0.98-3.56)	3.47	7.7	5.8	A+
9	9	24	-	1.73	1.73	4.35	-	7.80 (2.8-10.1)	2.20 (1.17-3.54)	3.55	7.8	5.8	A+
9	12	12	-	2.14	2.53	2.53	-	7.20 (2.8-9.1)	2.22 (0.98-3.54)	3.24	7.2	5.9	A+
9	12	14	-	1.99	2.36	2.95	-	7.30 (2.8-9.2)	2.22 (0.98-3.57)	3.29	7.3	5.9	A+
9	12	18	-	1.84	2.18	3.68	-	7.70 (2.8-9.9)	2.22 (0.98-3.56)	3.47	7.7	5.8	A+
9	12	24	-	1.66	1.97	4.18	-	7.80 (2.8-10.1)	2.19 (0.98-3.56)	3.56	7.8	5.8	A+
9	14	14	-	1.84	2.73	2.73	-	7.30 (3.5-9.3)	2.22 (1.17-3.58)	3.29	7.3	5.9	A+
9	14	18	-	1.74	2.58	3.48	-	7.80 (3.5-10.0)	2.22 (1.17-3.58)	3.51	7.8	5.8	A+
9	14	24	-	1.58	2.34	3.98	-	7.90 (3.5-10.1)	2.22 (1.27-3.56)	3.56	7.9	5.8	A+
9	18	18	-	1.56	3.12	3.12	-	7.80 (4.7-10.1)	2.22 (1.27-3.58)	3.51	7.8	5.7	A+
12	12	12	-	2.43	2.43	2.43	-	7.30 (2.8-9.2)	2.22 (0.98-3.55)	3.29	7.3	5.9	A+
12	12	14	-	2.28	2.28	2.85	-	7.40 (2.8-9.3)	2.22 (0.98-3.58)	3.33	7.4	5.9	A+
12	12	18	-	2.12	2.12	3.57	-	7.80 (3.5-10.0)	2.22 (1.17-3.57)	3.51	7.8	5.8	A+
12	12	24	-	1.92	1.92	4.07	-	7.90 (3.5-10.1)	2.20 (1.17-3.54)	3.59	7.9	5.8	A+
12	14	14	-	2.11	2.64	2.64	-	7.40 (3.5-9.4)	2.22 (1.17-3.58)	3.33	7.4	5.9	A+
12	14	18	-	1.98	2.48	3.34	-	7.80 (3.5-10.1)	2.22 (1.17-3.58)	3.51	7.8	5.8	A+
12	18	18	-	1.81	3.05	3.05	-	7.90 (4.7-10.1)	2.22 (1.27-3.58)	3.56	7.9	5.7	A+
7	7	7	7	1.93	1.93	1.93	1.93	7.70 (1.6-9.6)	2.20 (0.68-3.41)	3.50	7.7	6.2	A++
7	7	7	9	1.89	1.89	1.89	2.13	7.80 (1.6-9.8)	2.22 (0.68-3.54)	3.51	7.8	6.2	A++
7	7	7	12	1.83	1.83	1.83	2.41	7.90 (1.6-9.9)	2.22 (0.68-3.54)	3.56	7.9	6.1	A++
7	7	7	14	1.70	1.70	1.70	2.80	7.90 (2.8-9.9)	2.22 (0.98-3.56)	3.56	7.9	6.1	A++
7	7	7	18	1.52	1.52	1.52	3.43	8.00 (2.8-10.1)	2.20 (0.98-3.55)	3.64	8.0	6.0	A++
7	7	9	9	1.86	1.86	2.09	2.09	7.90 (2.8-9.7)	2.22 (0.98-3.42)	3.56	7.9	6.2	A++
7	7	9	12	1.78	1.78	1.99	2.35	7.90 (2.8-9.9)	2.22 (0.98-3.55)	3.56	7.9	6.1	A++
7	7	9	14	1.68	1.68	1.88	2.76	8.00 (2.8-10.0)	2.22 (0.98-3.57)	3.60	8.0	6.1	A++
7	7	9	18	1.49	1.49	1.67	3.35	8.00 (3.5-10.1)	2.20 (1.17-3.55)	3.64	8.0	6.0	A++
7	7	12	12	1.72	1.72	2.28	2.28	8.00 (2.8-10.0)	2.22 (0.98-3.55)	3.60	8.0	6.1	A++
7	7	12	14	1.61	1.61	2.13	2.65	8.00 (2.8-10.0)	2.22 (0.98-3.57)	3.60	8.0	6.0	A++
7	7	12	18	1.43	1.43	1.91	3.22	8.00 (3.5-10.1)	2.20 (1.17-3.56)	3.64	8.0	6.0	A++
7	7	14	14	1.50	1.50	2.50	2.50	8.00 (3.5-10.1)	2.22 (1.17-3.58)	3.60	8.0	6.0	A++
7	7	14	18	1.35	1.35	2.25	3.04	8.00 (3.5-10.1)	2.22 (1.17-3.58)	3.60	8.0	6.0	A++
7	9	9	9	1.81	2.03	2.03	2.03	7.90 (2.8-9.9)	2.22 (0.98-3.56)	3.56	7.9	6.2	A++
7	9	9	12	1.76	1.96	1.96	2.32	8.00 (2.8-10.0)	2.22 (0.98-3.56)	3.60	8.0	6.1	A++
7	9	9	14	1.64	1.83	1.83	2.70	8.00 (3.5-10.1)	2.22 (1.17-3.58)	3.60	8.0	6.1	A++
7	9	9	18	1.45	1.64	1.64	3.27	8.00 (3.5-10.1)	2.22 (1.17-3.56)	3.60	8.0	6.0	A++
7	9	12	12	1.68	1.88	2.22	2.22	8.00 (2.8-10.0)	2.22 (0.98-3.56)	3.60	8.0	6.1	A++
7	9	12	14	1.57	1.76	2.08	2.59	8.00 (3.5-10.1)	2.22 (1.17-3.58)	3.60	8.0	6.0	A++
7	9	12	18	1.40	1.58	1.87	3.15	8.00 (3.5-10.1)	2.22 (1.17-3.56)	3.60	8.0	6.0	A++
7	9	14	14	1.48	1.66	2.43	2.43	8.00 (3.5-10.1)	2.22 (1.17-3.58)	3.60	8.0	6.0	A++
7	9	14	18*	1.32	1.49	2.21	2.98	8.00 (4.7-10.1)	2.22 (1.27-3.57)	3.60	8.0	6.0	A++
7	12	12	12	1.61	2.13	2.13	2.13	8.00 (2.8-10.1)	2.22 (0.98-3.56)	3.60	8.0	6.0	A++
7	12	12	14	1.51	2.00	2.00	2.49	8.00 (3.5-10.1)	2.22 (1.17-3.58)	3.60	8.0	6.0	A++
7	12	12	18	1.35	1.80	1.80	3.04	8.00 (3.5-10.1)	2.22 (1.17-3.56)	3.60	8.0	6.0	A++
7	12	14	14	1.41	1.89	2.35	2.35	8.00 (3.5-10.1)	2.22 (1.17-3.58)	3.60	8.0	6.0	A++
9	9	9	9	2.00	2.00	2.00	2.00	8.00 (3.5-10.0)	2.22 (1.17-3.56)	3.60	8.0	6.2	A++
9	9	9	12	1.91	1.91	1.91	2.27	8.00 (3.5-10.0)	2.22 (1.17-3.56)	3.60	8.0	6.1	A++
9	9	9	14	1.79	1.79	1.79	2.63	8.00 (3.5-10.0)	2.22 (1.17-3.56)	3.60	8.0	6.0	A++
9	9	9	18*	1.60	1.60	1.60	3.20	8.00 (4.7-10.0)	2.22 (1.17-3.56)	3.60	8.0	6.0	A++
9	9	12	12	1.83	1.83	2.17	2.17	8.00 (3.5-10.0)	2.22 (1.17-3.56)	3.60	8.0	6.0	A++
9	9	12	14	1.72	1.72	2.03	2.53	8.00 (3.5-10.0)	2.22 (1.17-3.56)	3.60	8.0	6.0	A++
9	9	12	18**	1.54	1.54	1.83	3.09	8.00 (4.7-10.0)	2.22 (1.17-3.56)	3.60	8.0	6.0	A++
9	9	14	14	1.62	1.62	2.38	2.38	8.00 (4.7-10.0)	2.22 (1.17-3.56)	3.60	8.0	6.0	A++
9	12	12	12	1.76	2.08	2.08	2.08	8.00 (3.5-10.0)	2.22 (1.17-3.56)	3.60	8.0	6.0	A++
9	12	12	14	1.66	1.95	1.95	2.44	8.00 (3.5-10.0)	2.22 (1.17-3.56)	3.60	8.0	6.0	A++
9	12	14	14	1.55	1.85	2.30	2.30	8.00 (4.7-10.0)	2.22 (1.17-3.56)	3.60	8.0	6.0	A++
12	12	12	12	2.00	2.00	2.00	2.00	8.00 (3.5-10.0)	2.22 (1.17-3.56)	3.60	8.0	6.0	A++

Note: *7:7000Btu/h / 9:9000Btu/h / 12:12000Btu/h / 14:14000Btu/h / 18:18000Btu/h / 24:24000Btu/h models

- The above is the value for connecting with Wall Mounted type.
- 3 or more indoor units should be connected.
- Cooling capacity is based on 27°CDB/19°CWB (indoor temperature), 35°CDB (outdoor temperature).
- Pipe Length: 5 m, Height difference: 0 m (Outdoor unit to Indoor unit)
- The total ability of connected indoor unit is up to 49000Btu from 27000Btu.
- *1: Connection of ASYG18L + ARYG09L + ARYG09L + ARYG09L is not available. All types other than this combination can be connected.
- *2: Connection of ASYG18L + ARYG12L + ARYG09L + ARYG09L is not available. All types other than this combination can be connected.
- *3: Connection of ASYG18L + AUYG14L + ARYG09L + ASYG07K is not available. All types other than this combination can be connected.

4-unit Multi-split heating

AOYG30LAT4	Combination of Indoor Unit	Heating Operation											
		Heating Capacity					Input Power (min-max)	COP	Seasonal Data				
		Unit 1 kW	Unit 2 kW	Unit 3 kW	Unit 4 kW	Total Capacity (min-max) kW			Pdesign kW	SCOP	Energy efficiency		
7	7	14	-	2.42	2.42	4.15	-	9.00 (1.8-10.1)	2.66 (0.58-3.53)	3.38	5.8	3.8	A
7	7	18	-	2.27	2.27	4.86	-	9.40 (3.3-11.2)	2.46 (0.87-3.52)	3.82	5.8	3.8	A
7	7	24	-	2.03	2.03	5.44	-	9.50 (3.3-11.5)	2.47 (0.87-3.52)	3.85	5.8	3.8	A
7	9	12	-	2.49	2.94	3.56	-	9.00 (1.8-10.0)	2.69 (0.58-3.51)	3.35	5.8	3.8	A
7	9	14	-	2.33	2.75	4.00	-	9.10 (3.3-10.2)	2.64 (0.87-3.50)	3.45	5.8	3.8	A
7	9	18	-	2.17	2.56	4.66	-	9.40 (3.3-11.3)	2.45 (0.87-3.50)	3.84	5.8	3.8	A
7	9	24	-	1.98	2.33	5.29	-	9.60 (3.3-11.5)	2.46 (0.87-3.51)	3.90	5.8	3.8	A
7	12	12	-	2.33	3.33	3.33	-	9.00 (1.8-10.1)	2.66 (0.58-3.48)	3.38	5.8	3.8	A
7	12	14	-	2.22	3.17	3.80	-	9.20 (3.3-10.3)	2.62 (0.87-3.48)	3.51	5.8	3.8	A
7	12	18	-	2.08	2.97	4.45	-	9.50 (3.3-11.4)	2.44 (0.87-3.47)	3.89	5.8	3.8	A
7	12	24	-	1.88	2.69	5.03	-	9.60 (3.3-11.7)	2.45 (0.87-3				

5-unit Multi-split Combination Table-Cooling

5-unit Multi-split cooling

AOYG36LBLA5	Combination of Indoor Unit					Cooling Operation						Seasonal Data				
						Cooling Capacity					Input Power (min-max)	EER	Pdesign	SEER	Energy efficiency	
						Unit 1	Unit 2	Unit 3	Unit 4	Unit 5						Total Capacity (min-max)
					kW	kW	kW	kW	kW	kW	kW					
2-unit connection	7	24	-	-	-	2.00	7.00	-	-	-	9.0 (3.5-11.1)	2.31 (0.8-3.29)	3.89	9.0	6.5	A++
	9	24	-	-	-	2.50	7.00	-	-	-	9.5 (3.5-11.8)	2.53 (0.8-3.59)	3.75	9.5	6.5	A++
	12	24	-	-	-	3.33	6.67	-	-	-	10.0 (3.5-12.5)	2.81 (0.8-3.88)	3.56	10.0	6.5	A++
	14	24	-	-	-	3.68	6.32	-	-	-	10.0 (3.5-12.5)	2.81 (0.8-3.88)	3.56	10.0	6.5	A++
	18	18	-	-	-	5.00	5.00	-	-	-	10.0 (3.5-12.5)	2.81 (0.8-3.88)	3.56	10.0	6.5	A++
	18	24	-	-	-	4.29	5.71	-	-	-	10.0 (3.5-12.5)	2.79 (0.8-3.88)	3.58	10.0	6.4	A++
	24	24	-	-	-	5.00	5.00	-	-	-	10.0 (3.5-12.5)	2.78 (0.8-3.88)	3.60	10.0	6.4	A++
	7	7	14	-	-	2.00	2.00	4.00	-	-	8.0 (3.5-10.0)	1.90 (0.8-2.85)	4.21	8.0	6.7	A++
	7	7	18	-	-	2.00	2.00	5.00	-	-	9.0 (3.5-11.4)	2.32 (0.8-3.44)	3.88	9.0	6.7	A++
	7	7	24	-	-	1.84	1.84	6.32	-	-	10.0 (3.5-12.5)	2.81 (0.8-3.88)	3.56	10.0	6.6	A++
	7	9	12	-	-	2.00	2.50	3.50	-	-	8.0 (3.5-10.0)	1.90 (0.8-2.85)	4.21	8.0	6.7	A++
	3-unit connection	7	9	14	-	-	2.00	2.50	4.00	-	-	8.5 (3.5-10.7)	2.10 (0.8-3.15)	4.05	8.5	6.7
7		9	18	-	-	2.00	2.50	5.00	-	-	9.5 (3.5-12.1)	2.55 (0.8-3.74)	3.72	9.5	6.6	A++
7		9	24	-	-	1.75	2.25	6.00	-	-	10.0 (3.5-12.5)	2.80 (0.8-3.88)	3.57	10.0	6.6	A++
7		12	12	-	-	2.00	3.50	3.50	-	-	9.0 (3.5-11.1)	2.27 (0.8-3.29)	3.97	9.0	6.7	A++
7		12	14	-	-	2.00	3.50	4.00	-	-	9.5 (3.5-11.8)	2.50 (0.8-3.59)	3.80	9.5	6.7	A++
7		12	18	-	-	1.89	3.24	4.87	-	-	10.0 (3.5-12.5)	2.81 (0.8-3.88)	3.56	10.0	6.6	A++
7		12	24	-	-	1.63	2.79	5.58	-	-	10.0 (3.5-12.5)	2.79 (0.8-3.88)	3.59	10.0	6.6	A++
7		14	14	-	-	2.00	4.00	4.00	-	-	10.0 (3.5-12.5)	2.81 (0.8-3.88)	3.56	10.0	6.6	A++
7		14	18	-	-	1.79	3.59	4.62	-	-	10.0 (3.5-12.5)	2.80 (0.8-3.88)	3.57	10.0	6.6	A++
7		14	24	-	-	1.56	3.16	5.33	-	-	10.0 (3.5-12.5)	2.78 (0.8-3.88)	3.60	10.0	6.6	A++
7		18	18	-	-	1.62	4.19	4.19	-	-	10.0 (3.5-12.5)	2.79 (0.8-3.88)	3.59	10.0	6.6	A++
4-unit connection		7	18	24	-	-	1.43	3.67	4.90	-	-	10.0 (3.5-12.5)	2.77 (0.8-3.88)	3.61	10.0	6.5
	9	9	9	-	-	2.50	2.50	2.50	-	-	7.5 (3.5-9.6)	1.74 (0.8-2.70)	4.30	7.5	6.7	A++
	9	9	12	-	-	2.50	2.50	3.50	-	-	8.5 (3.5-10.7)	2.10 (0.8-3.15)	4.05	8.5	6.7	A++
	9	9	14	-	-	2.50	2.50	4.00	-	-	9.0 (3.5-11.4)	2.32 (0.8-3.44)	3.88	9.0	6.7	A++
	9	9	18	-	-	2.50	2.50	5.00	-	-	10.0 (3.5-12.5)	2.81 (0.8-3.88)	3.56	10.0	6.6	A++
	9	9	24	-	-	2.14	2.14	5.72	-	-	10.0 (3.5-12.5)	2.79 (0.8-3.88)	3.58	10.0	6.6	A++
	9	12	12	-	-	2.50	3.50	3.50	-	-	9.5 (3.5-11.8)	2.50 (0.8-3.59)	3.80	9.5	6.7	A++
	9	12	14	-	-	2.50	3.50	4.00	-	-	10.0 (3.5-12.5)	2.81 (0.8-3.88)	3.56	10.0	6.6	A++
	9	12	18	-	-	2.31	3.08	4.61	-	-	10.0 (3.5-12.5)	2.80 (0.8-3.88)	3.57	10.0	6.6	A++
	9	12	24	-	-	2.00	2.67	5.33	-	-	10.0 (3.5-12.5)	2.78 (0.8-3.88)	3.60	10.0	6.5	A++
	9	14	14	-	-	2.44	3.78	3.78	-	-	10.0 (3.5-12.5)	2.81 (0.8-3.88)	3.56	10.0	6.6	A++
	5-unit connection	9	14	18	-	-	2.20	3.41	4.39	-	-	10.0 (3.5-12.5)	2.79 (0.8-3.88)	3.58	10.0	6.6
9		14	24	-	-	1.91	2.98	5.11	-	-	10.0 (3.5-12.5)	2.78 (0.8-3.88)	3.60	10.0	6.5	A++
9		18	18	-	-	2.00	4.00	4.00	-	-	10.0 (3.5-12.5)	2.78 (0.8-3.88)	3.60	10.0	6.5	A++
9		18	24	-	-	1.76	3.53	4.71	-	-	10.0 (3.5-12.5)	2.76 (0.8-3.88)	3.62	10.0	6.5	A++
12		12	12	-	-	3.33	3.33	3.33	-	-	10.0 (3.5-12.5)	2.81 (0.8-3.88)	3.56	10.0	6.6	A++
12		12	14	-	-	3.16	3.16	3.68	-	-	10.0 (3.5-12.5)	2.81 (0.8-3.88)	3.56	10.0	6.6	A++
12		12	18	-	-	2.86	2.86	4.28	-	-	10.0 (3.5-12.5)	2.79 (0.8-3.88)	3.58	10.0	6.6	A++
12		12	24	-	-	2.50	2.50	5.00	-	-	10.0 (3.5-12.5)	2.77 (0.8-3.88)	3.61	10.0	6.5	A++
12		14	14	-	-	3.00	3.50	3.50	-	-	10.0 (3.5-12.5)	2.80 (0.8-3.88)	3.57	10.0	6.6	A++
12		14	18	-	-	2.73	3.18	4.09	-	-	10.0 (3.5-12.5)	2.79 (0.8-3.88)	3.59	10.0	6.6	A++
12		14	24	-	-	2.40	2.80	4.80	-	-	10.0 (3.5-12.5)	2.76 (0.8-3.88)	3.62	10.0	6.5	A++
12		18	18	-	-	2.50	3.75	3.75	-	-	10.0 (3.5-12.5)	2.77 (0.8-3.88)	3.61	10.0	6.5	A++
12	18	24	-	-	2.22	3.33	4.45	-	-	10.0 (3.5-12.5)	2.75 (0.8-3.88)	3.64	10.0	6.5	A++	
14	14	14	-	-	3.33	3.33	3.33	-	-	10.0 (3.5-12.5)	2.79 (0.8-3.88)	3.58	10.0	6.6	A++	
14	14	18	-	-	3.04	3.04	3.92	-	-	10.0 (3.5-12.5)	2.78 (0.8-3.88)	3.60	10.0	6.5	A++	
14	14	24	-	-	2.69	2.69	4.62	-	-	10.0 (3.5-12.5)	2.75 (0.8-3.88)	3.63	10.0	6.5	A++	
14	18	18	-	-	2.80	3.60	3.60	-	-	10.0 (3.5-12.5)	2.76 (0.8-3.88)	3.62	10.0	6.5	A++	
18	18	18	-	-	3.33	3.33	3.33	-	-	10.0 (3.5-12.5)	2.75 (0.8-3.88)	3.64	10.0	6.5	A++	
2-unit connection	7	7	7	7	7	2.00	2.00	2.00	2.00	-	8.0 (3.5-10.0)	1.84 (0.8-2.85)	4.34	8.0	6.8	A++
	7	7	7	9	9	2.00	2.00	2.00	2.50	-	8.5 (3.5-10.7)	2.00 (0.8-3.15)	4.25	8.5	6.8	A++
	7	7	7	12	12	2.00	2.00	2.00	3.50	-	9.5 (3.5-11.8)	2.32 (0.8-3.59)	4.10	9.5	6.8	A++
	7	7	7	14	14	2.00	2.00	2.00	4.00	-	10.0 (3.5-12.5)	2.50 (0.8-3.88)	4.00	10.0	6.8	A++
	7	7	7	18	18	1.79	1.79	1.79	4.63	-	10.0 (3.5-12.5)	2.49 (0.8-3.88)	4.01	10.0	6.8	A++
	7	7	7	24	24	1.56	1.56	1.56	5.32	-	10.0 (3.5-12.5)	2.47 (0.8-3.88)	4.05	10.0	6.7	A++
	7	7	9	9	9	2.00	2.00	2.50	2.50	-	9.0 (3.5-11.4)	2.17 (0.8-3.44)	4.15	9.0	6.8	A++
	7	7	9	12	12	2.00	2.00	2.50	3.50	-	10.0 (3.5-12.5)	2.50 (0.8-3.88)	4.00	10.0	6.8	A++
	7	7	9	14	14	1.89	1.89	2.43	3.79	-	10.0 (3.5-12.5)	2.50 (0.8-3.88)	4.00	10.0	6.8	A++
	7	7	9	18	18	1.71	1.71	2.20	4.38	-	10.0 (3.5-12.5)	2.49 (0.8-3.88)	4.02	10.0	6.8	A++
	7	7	9	24	24	1.49	1.49	1.91	5.11	-	10.0 (3.5-12.5)	2.46 (0.8-3.88)	4.06	10.0	6.7	A++
	7	7	12	12	12	1.84	1.84	3.16	3.16	-	10.0 (3.5-12.5)	2.49 (0.8-3.88)	4.01	10.0	6.8	A++
3-unit connection	7	7	12	12	14	1.75	1.75	3.00	3.50	-	10.0 (3.5-12.5)	2.49 (0.8-3.88)	4.02	10.0	6.8	A++
	7	7	12	14	18	1.59	1.59	2.73	4.09	-	10.0 (3.5-12.5)	2.48 (0.8-3.88)	4.04	10.0	6.8	A++
	7	7	12	14	24	1.40	1.40	2.40	4.80	-	10.0 (3.5-12.5)	2.46 (0.8-3.88)	4.07	10.0	6.7	A++
	7	7	14	14	18	1.67	1.67	3.33	3.33	-	10.0 (3.5-12.5)	2.48 (0.8-3.88)	4.03	10.0	6.8	A++
	7	7	14	18	18	1.52	1.52	3.04	3.92	-	10.0 (3.5-12.5)	2.47 (0.8-3.88)	4.05	10.0	6.7	A++
	7	7	14	24	24	1.35	1.35	2.69	4.61	-	10.0 (3.5-12.5)	2.45 (0.8-3.88)	4.08	10.0	6.7	A++
	7	7	18	18	18	1.40	1.40	3.60	3.60	-	10.0 (3.5-12.5)	2.46 (0.8-3.88)	4.07	10.0	6.7	A++
	7	9	9	9	9	2.00	2.50	2.50	2.50	-	9.5 (3.5-12.1)	2.35 (0.8-3.74)	4.05	9.5	6.8	A++
	7	9	9	12	12	1.89	2.43	2.43	3.25	-	10.0 (3.5-12.5)	2.50 (0.8-3.88)	4.00	10.0	6.8	A++
	7	9	9	14	14	1.79	2.31	2.31	3.59	-	10.0 (3.5-12.5)	2.49 (0.8-3.88)	4.01	10.0	6.8	A++
	7	9	9	18	18	1.63	2.09	2.09	4.19	-	10.0 (3.5-12.5)	2.48 (0.8-3.88)	4.03	10.0	6.8	A++
	7	9	9	24	24	1.43	1.84	1.84	4.89	-	10.0 (3.5-12.5)	2.46 (0.8-3.88)	4.07	10.0	6.7	A++
4-unit connection	7	9	12	12	12	2.00	2.00	2.00	3.00	-	10.0 (3.5-12.5)	2.49 (0.8-3.88)	4.02	10.0	6.8	A++
	7	9	12	14	14	1.67	2.14	2.86	3.33	-	10.0 (3.5-12.5)	2.48 (0.8-3.88)	4.03	10.0	6.8	A++
	7	9	12	18	18	1.52	1.96	2.61	3.91	-	10.0 (3.					

5-unit Multi-split Combination Table-Heating

5-unit Multi-split heating

AOYG36LBLA5	Combination of Indoor Unit					Heating Operation					Seasonal Data					
						Heating Capacity					Input Power (min-max) kW	COP	Pdesign kW	SCOP	Energy efficiency	
						Unit 1 kW	Unit 2 kW	Unit 3 kW	Unit 4 kW	Unit 5 kW						Total Capacity (min-max) kW
2-unit connection	7	24	-	-	-	2.40	8.40	-	-	-	10.8 (3.5-12.4)	2.97 (0.7-3.34)	3.64	8.9	3.9	A
	9	24	-	-	-	3.00	8.40	-	-	-	11.4 (3.5-13.2)	3.15 (0.7-3.58)	3.62	9.0	3.9	A
	12	24	-	-	-	4.00	8.00	-	-	-	12.0 (3.5-14.0)	3.34 (0.7-3.82)	3.59	9.0	4.0	A
	14	24	-	-	-	4.42	7.58	-	-	-	12.0 (3.5-14.0)	3.33 (0.7-3.82)	3.60	9.0	4.0	A+
	18	18	-	-	-	6.00	6.00	-	-	-	12.0 (3.5-14.0)	3.34 (0.7-3.82)	3.59	9.0	4.0	A+
	18	24	-	-	-	5.14	6.86	-	-	-	12.0 (3.5-14.0)	3.32 (0.7-3.82)	3.61	9.0	4.0	A+
	24	24	-	-	-	6.00	6.00	-	-	-	12.0 (3.5-14.0)	3.31 (0.7-3.82)	3.62	9.0	4.0	A+
	7	7	14	-	-	2.40	2.40	4.80	-	-	9.6 (3.5-11.2)	2.45 (0.7-2.98)	3.92	8.8	4.0	A+
	7	7	18	-	-	2.40	2.40	6.00	-	-	10.8 (3.5-12.8)	2.80 (0.7-3.46)	3.86	9.0	4.0	A+
	7	7	24	-	-	2.21	2.21	7.58	-	-	12.0 (3.5-14.0)	3.14 (0.7-3.82)	3.82	9.0	4.0	A+
	7	9	12	-	-	2.40	3.00	4.20	-	-	9.6 (3.5-11.2)	2.45 (0.7-2.98)	3.92	8.8	4.0	A+
	7	9	14	-	-	2.40	3.00	4.80	-	-	10.2 (3.5-12.0)	2.63 (0.7-3.22)	3.88	8.9	4.0	A+
7	9	18	-	-	2.40	3.00	6.00	-	-	11.4 (3.5-13.6)	2.97 (0.7-3.70)	3.84	9.0	4.0	A+	
7	9	24	-	-	2.10	2.70	7.20	-	-	12.0 (3.5-14.0)	3.13 (0.7-3.82)	3.83	9.0	4.0	A+	
7	12	12	-	-	2.40	4.20	4.20	-	-	10.8 (3.5-12.4)	2.79 (0.7-3.34)	3.87	8.9	4.0	A+	
7	12	14	-	-	2.40	4.20	4.80	-	-	11.4 (3.5-13.2)	2.96 (0.7-3.58)	3.85	9.0	4.0	A+	
7	12	18	-	-	2.27	3.89	5.84	-	-	12.0 (3.5-14.0)	3.14 (0.7-3.82)	3.82	9.0	4.0	A+	
7	12	24	-	-	1.95	3.35	6.70	-	-	12.0 (3.5-14.0)	3.13 (0.7-3.82)	3.83	9.0	4.0	A+	
7	14	14	-	-	2.40	4.80	4.80	-	-	12.0 (3.5-14.0)	3.14 (0.7-3.82)	3.82	9.0	4.0	A+	
7	14	18	-	-	2.15	4.31	5.54	-	-	12.0 (3.5-14.0)	3.13 (0.7-3.82)	3.83	9.0	4.0	A+	
7	14	24	-	-	1.87	3.73	6.40	-	-	12.0 (3.5-14.0)	3.13 (0.7-3.82)	3.84	9.0	4.0	A+	
7	18	18	-	-	1.96	5.02	5.02	-	-	12.0 (3.5-14.0)	3.13 (0.7-3.82)	3.83	9.0	4.0	A+	
7	18	24	-	-	1.71	4.41	5.88	-	-	12.0 (3.5-14.0)	3.13 (0.7-3.82)	3.84	9.0	4.0	A+	
9	9	9	-	-	3.00	3.00	3.00	-	-	9.0 (3.5-10.8)	2.29 (0.7-2.86)	3.93	8.8	4.0	A+	
9	9	12	-	-	3.00	3.00	4.20	-	-	10.2 (3.5-12.0)	2.63 (0.7-3.22)	3.88	8.9	4.0	A+	
9	9	14	-	-	3.00	3.00	4.80	-	-	10.8 (3.5-12.8)	2.80 (0.7-3.46)	3.86	9.0	4.0	A+	
9	9	18	-	-	3.00	3.00	6.00	-	-	12.0 (3.5-14.0)	3.14 (0.7-3.82)	3.82	9.0	4.0	A+	
9	9	24	-	-	2.57	2.57	6.86	-	-	12.0 (3.5-14.0)	3.13 (0.7-3.82)	3.83	9.0	4.0	A+	
9	12	12	-	-	3.00	4.20	4.20	-	-	11.4 (3.5-13.2)	2.96 (0.7-3.58)	3.85	9.0	4.0	A+	
9	12	14	-	-	3.00	4.20	4.80	-	-	12.0 (3.5-14.0)	3.14 (0.7-3.82)	3.82	9.0	4.0	A+	
9	12	18	-	-	2.77	3.69	5.54	-	-	12.0 (3.5-14.0)	3.13 (0.7-3.82)	3.83	9.0	4.0	A+	
9	12	24	-	-	2.40	3.20	6.40	-	-	12.0 (3.5-14.0)	3.13 (0.7-3.82)	3.84	9.0	4.0	A+	
9	14	14	-	-	2.92	4.54	4.54	-	-	12.0 (3.5-14.0)	3.14 (0.7-3.82)	3.82	9.0	4.0	A+	
9	14	18	-	-	2.63	4.10	5.27	-	-	12.0 (3.5-14.0)	3.13 (0.7-3.82)	3.83	9.0	4.0	A+	
9	14	24	-	-	2.30	3.57	6.13	-	-	12.0 (3.5-14.0)	3.13 (0.7-3.82)	3.84	9.0	4.0	A+	
9	18	18	-	-	2.40	4.80	4.80	-	-	12.0 (3.5-14.0)	3.13 (0.7-3.82)	3.84	9.0	4.0	A+	
9	18	24	-	-	2.12	4.24	5.64	-	-	12.0 (3.5-14.0)	3.12 (0.7-3.82)	3.85	9.0	4.0	A+	
12	12	12	-	-	4.00	4.00	4.00	-	-	12.0 (3.5-14.0)	3.14 (0.7-3.82)	3.82	9.0	4.0	A+	
12	12	14	-	-	3.79	3.79	4.42	-	-	12.0 (3.5-14.0)	3.14 (0.7-3.82)	3.82	9.0	4.0	A+	
12	12	18	-	-	3.43	3.43	5.14	-	-	12.0 (3.5-14.0)	3.13 (0.7-3.82)	3.83	9.0	4.0	A+	
12	12	24	-	-	3.00	3.00	6.00	-	-	12.0 (3.5-14.0)	3.13 (0.7-3.82)	3.84	9.0	4.0	A+	
12	14	14	-	-	3.60	4.20	4.20	-	-	12.0 (3.5-14.0)	3.13 (0.7-3.82)	3.83	9.0	4.0	A+	
12	14	18	-	-	3.27	3.82	4.91	-	-	12.0 (3.5-14.0)	3.13 (0.7-3.82)	3.83	9.0	4.0	A+	
12	14	24	-	-	2.88	3.36	5.76	-	-	12.0 (3.5-14.0)	3.13 (0.7-3.82)	3.84	9.0	4.0	A+	
12	18	18	-	-	3.00	4.50	4.50	-	-	12.0 (3.5-14.0)	3.13 (0.7-3.82)	3.84	9.0	4.0	A+	
12	18	24	-	-	2.67	4.00	5.33	-	-	12.0 (3.5-14.0)	3.12 (0.7-3.82)	3.85	9.0	4.0	A+	
14	14	14	-	-	4.00	4.00	4.00	-	-	12.0 (3.5-14.0)	3.13 (0.7-3.82)	3.83	9.0	4.0	A+	
14	14	18	-	-	3.65	3.65	4.70	-	-	12.0 (3.5-14.0)	3.13 (0.7-3.82)	3.84	9.0	4.0	A+	
14	14	24	-	-	3.23	3.23	5.54	-	-	12.0 (3.5-14.0)	3.12 (0.7-3.82)	3.85	9.0	4.0	A+	
14	18	18	-	-	3.36	4.32	4.32	-	-	12.0 (3.5-14.0)	3.13 (0.7-3.82)	3.84	9.0	4.0	A+	
18	18	18	-	-	4.00	4.00	4.00	-	-	12.0 (3.5-14.0)	3.12 (0.7-3.82)	3.85	9.0	4.0	A+	
7	7	7	7	-	2.40	2.40	2.40	2.40	-	9.6 (3.5-11.2)	2.31 (0.7-2.98)	4.16	8.8	4.2	A+	
7	7	7	9	-	2.40	2.40	2.40	3.00	-	10.2 (3.5-12.0)	2.47 (0.7-3.22)	4.13	8.9	4.2	A+	
7	7	7	12	-	2.40	2.40	2.40	4.20	-	11.4 (3.5-13.2)	2.79 (0.7-3.58)	4.09	9.0	4.2	A+	
7	7	7	14	-	2.40	2.40	2.40	4.80	-	12.0 (3.5-14.0)	2.95 (0.7-3.82)	4.07	9.0	4.2	A+	
7	7	7	18	-	2.15	2.15	2.15	5.55	-	12.0 (3.5-14.0)	2.94 (0.7-3.82)	4.08	9.0	4.2	A+	
7	7	7	24	-	1.87	1.87	1.87	6.39	-	12.0 (3.5-14.0)	2.93 (0.7-3.82)	4.10	9.0	4.2	A+	
7	7	9	9	-	2.40	2.40	3.00	3.00	-	10.8 (3.5-12.8)	2.64 (0.7-3.46)	4.09	9.0	4.2	A+	
7	7	9	12	-	2.40	2.40	3.00	4.20	-	12.0 (3.5-14.0)	2.95 (0.7-3.82)	4.07	9.0	4.2	A+	
7	7	9	14	-	2.27	2.27	2.92	4.54	-	12.0 (3.5-14.0)	2.95 (0.7-3.82)	4.07	9.0	4.2	A+	
7	7	9	18	-	2.05	2.05	2.63	5.27	-	12.0 (3.5-14.0)	2.94 (0.7-3.82)	4.08	9.0	4.2	A+	
7	7	9	24	-	1.79	1.79	2.30	6.12	-	12.0 (3.5-14.0)	2.93 (0.7-3.82)	4.10	9.0	4.2	A+	
7	7	12	12	-	2.21	2.21	3.79	3.79	-	12.0 (3.5-14.0)	2.94 (0.7-3.82)	4.08	9.0	4.2	A+	
7	7	12	14	-	2.10	2.10	3.60	4.20	-	12.0 (3.5-14.0)	2.94 (0.7-3.82)	4.08	9.0	4.2	A+	
7	7	12	18	-	1.91	1.91	3.27	4.91	-	12.0 (3.5-14.0)	2.93 (0.7-3.82)	4.09	9.0	4.2	A+	
7	7	12	24	-	1.68	1.68	2.88	5.76	-	12.0 (3.5-14.0)	2.92 (0.7-3.82)	4.11	9.0	4.2	A+	
7	7	14	14	-	2.00	2.00	4.00	4.00	-	12.0 (3.5-14.0)	2.93 (0.7-3.82)	4.09	9.0	4.2	A+	
7	7	14	18	-	1.83	1.83	3.65	4.69	-	12.0 (3.5-14.0)	2.93 (0.7-3.82)	4.10	9.0	4.2	A+	
7	7	14	24	-	1.62	1.62	3.23	5.53	-	12.0 (3.5-14.0)	2.92 (0.7-3.82)	4.11	9.0	4.2	A+	
7	7	18	18	-	1.68	1.68	4.32	4.32	-	12.0 (3.5-14.0)	2.92 (0.7-3.82)	4.11	9.0	4.2	A+	
7	9	9	9	-	2.40	3.00	3.00	3.00	-	11.4 (3.5-13.6)	2.80 (0.7-3.70)	4.07	9.0	4.2	A+	
7	9	9	12	-	2.27	2.92	2.92	3.89	-	12.0 (3.5-14.0)	2.95 (0.7-3.82)	4.07	9.0	4.2	A+	
7	9	9	14	-	2.15	2.77	2.77	4.31	-	12.0 (3.5-14.0)	2.94 (0.7-3.82)	4.08	9.0	4.2	A+	
7	9	9	18	-	1.95	2.51	2.51	5.03	-	12.0 (3.5-14.0)	2.93 (0.7-3.82)	4.09	9.0	4.2	A+	
7	9	9	24	-	1.71	2.20	2.20	5.89	-	12.0 (3.5-14.0)	2.92 (0.7-3.82)	4.11	9.0	4.2	A+	
7	9	12	12	-	2.10	2.70	3.60	3.60	-	12.0 (3.5-14.0)	2.94 (0.7-3.82)	4.08	9.0	4.2	A+	
7	9	12	14	-	2.00	2.57	3.43	4.00	-	12.0 (3.5-14.0)	2.93 (0.7-3.82)	4.09	9.0	4.2	A+	
7	9	12	18	-	1.83	2.35	3.13	4.69	-	12.0 (3.5-14.0)	2.93 (0.7-3.82)	4.10	9.0	4.2	A+	
7	9	12	24	-	1.62	2.08	2.77	5.53	-	12.0 (3.5-14.0)	2.92 (0.7-3.82)	4.11	9.0	4.2	A+	
7	9	14	14	-	1.91	2.45	3.82	3.82	-	12.0 (3.5-14.0)	2.93 (0.7-3.82)	4.09				