

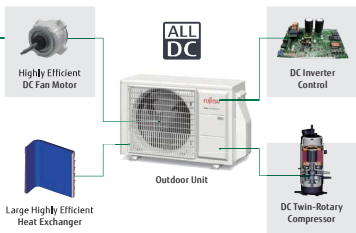


ALL DC

High energy saving

With the adoption of a high-efficiency DC twin-rotary compressor, all models achieved an energy efficiency scale of A+++ for cooling and A++ for heating.

Rank Cooling A+++ Heating A++
SEER 8.7 SCOP 4.7
* 2-unit 14 class



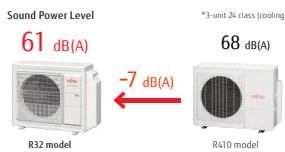
R32 refrigerant model

In addition to its high energy efficiency, the R32 refrigerant has a larger volumetric capacity than the R410A refrigerant, which means the R32 refrigerant models require less refrigerant charge than the R410A models.

	Pre-charge refrigerant amount (kg)	
	R32	R410A
2-unit 14 class	0.9	1.25
2-unit 18 class	1.02	1.30
3-unit 18 class	1.8	2.2
3-unit 24 class	1.8	2.2
4-unit 30 class	2.2	3.3
5-unit 36 class	2.5	4.0

Quiet operation

The sound power level is reduced by up to 7 dB compared to the current R410 models.



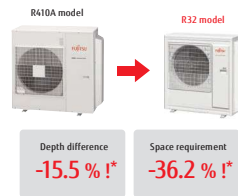
Space-saving installation

Multiple indoor units can be connected to 1 outdoor unit by long piping as well. Unlike a single type, the outdoor unit can be installed in the most space-saving location.



Compact design

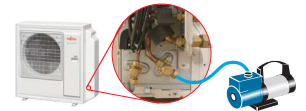
Unlike a single type, the outdoor unit can be installed in the most space-saving location.



*. Compared with current 5-unit multi models

Easy evacuation

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



Wide range of indoor units with various models

We offer 41 models in 5 types in a capacity range from 2.0 kW to 6.0 kW. Wide range of requirements can be realized from private homes through to 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 installation easier in small spaces.



MULTI-SPLIT

- 2-unit: AOVG14KBT2 / AOVG18KBT2
- 3-unit: AOVG18KBT3 / AOVG24KBT3
- 4-unit: AOVG30KBT4
- 5-unit: AOVG36KBT5



Specifications (2-unit)

Model name		AOVG14KBT2		AOVG18KBT2	
Power Source					
Rated Capacity (Min. - Max.)	Cooling	4.0 (1.4-4.6)		Single phase -230V, 50 Hz	
	Heating	4.4 (1.1-5.3)		5.0 (1.7-5.8)	
EER	Cooling	4.12		4.03	
	Heating	4.63		4.59	
CDP	Cooling	47		47	
	Heating	48		50	
Sound Power Level (High)	Cooling	60		60	
	Heating	62		62	
Airflow Rate					
Cooling/Heating		1,670/1,610		1,960/2,000	
Net Dimensions H × W × D					
		542 × 799 × 290		632 × 799 × 290	
Weight					
		33		37	
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 Unit		15		15	
Between Indoor Units		10		10	
Operating Range					
	Cooling	-10 to 46		-10 to 46	
	Heating	-15 to 24		-15 to 24	
Refrigerant					
Type (Global Warming Potential)		R32 (675)		R32 (675)	
Charge		6.9 (G:608)		7.0 (G:609)	

Specifications (3-unit)

Model name		AOVG18KBT3		AOVG24KBT3	
Power Source					
Rated Capacity (Min. - Max.)	Cooling	5.4 (1.8-7.0)		Single phase -230V, 50 Hz	
	Heating	6.8 (2.0-8.0)		6.8 (1.8-8.5)	
EER	Cooling	4.78		3.90	
	Heating	4.89		4.40	
CDP	Cooling	46		48	
	Heating	48		53	
Sound Power Level (High)	Cooling	59		61	
	Heating	61		67	
Airflow Rate					
Cooling/Heating		2,200/2,160		2,700/2,740	
Net Dimensions H × W × D					
		718 × 800 × 315		718 × 800 × 315	
Weight					
		46		46	
Connection Pipe Diameter					
	Liquid	6.35 ± 3		6.35 ± 3	
	Gas	9.52 ± 3		9.52 ± 2, 12.70 ± 1 adapter (12.70 × 9.52) × 1	
Max. Pipe Length					
Total/Each		50/25		50/25	
Max. Height Difference					
Between Outdoor Unit and Each Indoor Unit		15		15	
Between Indoor Units		10		10	
Operating Range					
	Cooling	-10 to 46		-10 to 46	
	Heating	-15 to 24		-15 to 24	
Refrigerant					
Type (Global Warming Potential)		R32 (675)		R32 (675)	
Charge		3.8 (G:215)		4.1 (G:215)	

Specifications (4-unit, 5-unit)

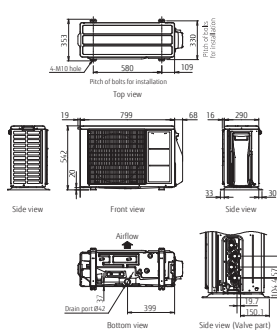
Model name		AOVG30KBT4		AOVG36KBT5	
Power Source					
Rated Capacity (Min. - Max.)	Cooling	8.0 (2.4-10.1)		Single phase -230V, 50 Hz	
	Heating	9.6 (3.0-11.2)		9.5 (3.0-11.0)	
EER	Cooling	3.90		3.90	
	Heating	4.55		4.50	
CDP	Cooling	50		52	
	Heating	54		55	
Sound Power Level (High)	Cooling	63		65	
	Heating	66		68	
Airflow Rate					
Cooling/Heating		2,400/2,350		2,450/2,500	
Net Dimensions H × W × D					
		884 × 820 × 315		884 × 820 × 315	
Weight					
		59		59	
Connection Pipe Diameter					
	Liquid	6.35 ± 4		6.35 ± 5	
	Gas	9.52 ± 2, 12.70 ± 2 adapter (12.70 × 9.52) × 2		9.52 ± 3, 12.70 ± 2 adapter (12.70 × 9.52) × 2 adapter (12.70 × 12.70) × 1	
Max. Pipe Length*					
Total/Each		70/25		75/25	
Max. Height Difference					
Between Outdoor Unit and Each Indoor Unit		15		15	
Between Indoor Units		10		10	
Operating Range					
	Cooling	-10 to 46		-10 to 46	
	Heating	-15 to 24		-15 to 24	
Refrigerant					
Type (Global Warming Potential)		R32 (675)		R32 (675)	
Charge		2.2 (1.485)		2.5 (1.688)	

*Length not applicable when floor units are connected. For details, refer to the installation manual.

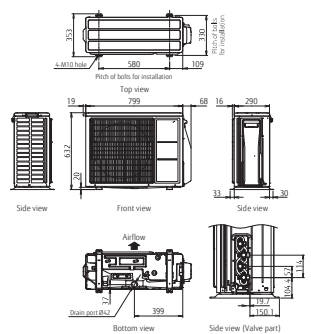
Dimensions

(Unit: mm)

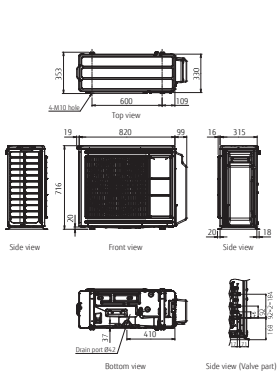
2-unit: AOVG14KBT2



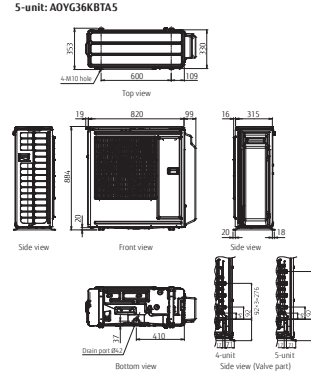
2-unit: AOVG18KBT2



3-unit: AOVG18KBT3 / AOVG24KBT3



4-unit: AOVG30KBT4
5-unit: AOVG36KBT5





A wide variety of models to choose from

We offer 16 models in 4 types in a capacity range from 2.0 kW to 4.0 kW. Wide range of requirements can be realized from private homes through to large shops and hotels.



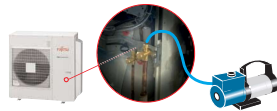
Compact design

Multiple indoor units can be connected to 1 outdoor unit by long piping as well. Unlike a single type, the outdoor unit can be installed in the most space-saving location.



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. Unified setting of room temperature, airflow volume, and local control restrictions across units.
- Language can be selected from English, French, German, Greek, Italian, Portuguese, Russian, Spanish, or Turkish.
- Large backlit LED screen
- Large easy-to-see operation panel

Max. Controllable
1 multi-system
Max. Controllable
6 indoor units



6-unit:AOYG45LBLA6

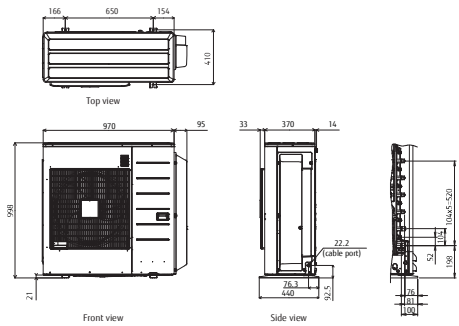


Specifications (5-unit, 6-unit)

Model Name		AOYG45LBLA6	
Power Source		Single phase, ~230 V, 50 Hz	
Rated Capacity (Min. - Max.)	Cooling	12.5 (13.5-14.0)	
	Heating	13.5 (13.5-14.0)	
EER	Cooling	3.50	
COP	Heating	4.20	
Sound Pressure Level (High)	Cooling	53	
	Heating	55	
Sound Power Level (High)	Cooling	-	
	Heating	-	
Airflow Rate	Cooling/Heating	m ³ /h 4,200/4,200	
Net Dimensions H × W × D		mm 970 × 970 × 370	
Weight		kg 94	
Connection Pipe Diameter	Liquid	mm 6.35 × 6	
	Gas	mm 9.52 × 6, 12.70 × 2	
Max. Pipe Length	Total/Each	m 80/25	
	Between Outdoor Unit and Each Indoor Unit	m 15	
Max. Height Difference Between Indoor Units	Cooling	°CDB -10 to 46	
	Heating	°CDB -15 to 24	
Refrigerant	Type (Global Warming Potential)	R410A (2,088)	
	Charge	kg (G02req-1) 4.00 (R-35.2)	

Dimensions

(Unit: mm)



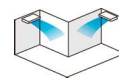
Simultaneous Multi-split Type Twin/Triple



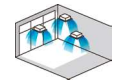
Meets a variety of installation needs from offices to commercial spaces, with up to 3 indoor units in the same room connected to an outdoor unit.

Select indoor units according to floor layout and heat load estimated by the number of people working in the room and the direction and intensity of sunlight entering the room. Perfect airflow distribution can be achieved for optimum comfort.

Installation according to floor layout



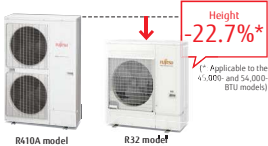
Installation according to lighting conditions



Design flexibility

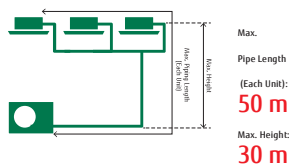
Slim & Compact Design

The outdoor unit in this series is 22.7% shorter* than a twin-fan outdoor unit. The reduced height makes it easy to install in tight spaces.



Flexible installation

Pipe length of up to 50 m and a height difference of up to 30 m can be accommodated. Multi-split systems can be installed in large residences and multi-story buildings.



New lineup of indoor units

The indoor units, available in 6 models of 3 types, can be selected according to room size and conditions.



Note: Please be aware that 2-wired group control is not possible with Simultaneous Multi-split.

Model: AOYG36K8TB / AOYG45K8TB / AOYG54K8TB
AOYG36KRTA [3-phase] / AOYG45KRTA [3-phase] / AOYG54KRTA [3-phase]



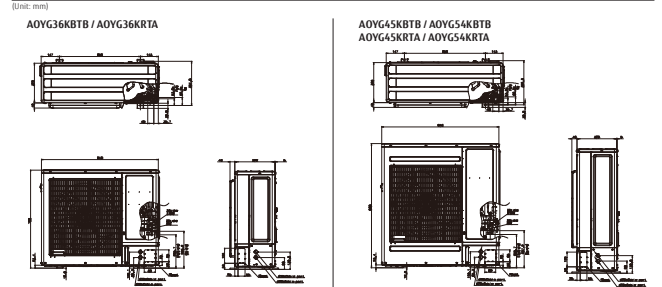
Specifications (Indoor units/Outdoor units)

Indoor Units Model name	Compact Cassette		
	AUXG18KVL4	AUXG22KVL4	AUXG24KVL4
Power Source	Single phase, ~230 V, 50 Hz		
Airflow Rate	Cooling (H/M/L/G) m ³ /h 680/580/480/410	860/760/660/530	930/830/700/530
Net Dimensions H × W × D	245 × 570 × 570	245 × 570 × 570	245 × 570 × 570
Weight	15	18	16
Cassette grille	UTG-UPYF-W		

Indoor Units Model name	Duct		
	ARXG18KLL4P	ARXG22KML4	ARXG24KML4
Power Source	Single phase, ~230 V, 50 Hz		
Airflow Rate	Cooling (H/M/L/G) m ³ /h 940/880/820/750	1,100/910/750/580	1,100/910/750/580
Net Dimensions H × W × D	198 × 950 × 620	210 × 1,135 × 700	270 × 1,135 × 700
Weight	20	35	35

Outdoor Units Model name	Compact Cassette					
	AOYG36K8TB	AOYG45K8TB	AOYG54K8TB	AOYG36KRTA	AOYG45KRTA	AOYG54KRTA
Capacity	Cooling kW 9.5	12.1	13.4	15.8	12.1	13.4
Power Source	Single phase, ~230 V, 50 Hz					
Pdesign	Cooling kW 8.7	-	-	8.5	-	-
SEER	Cooling W/W 6.10	-	-	6.10	-	-
SCOP	Heating 4.00	-	-	4.00	-	-
Annual Energy Consumption	Heating kWh/a 3,044	-	-	3,044	-	-
Energy Efficiency Class	Cooling A++	-	-	A++	-	-
Sound Pressure Level (High)	Cooling 55	57	57	55	57	57
Sound Power Level (High)	Cooling 70	71	73	70	71	73
Airflow Rate	Cooling/Heating m ³ /h 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 Dimensions H × W × D	mm 788 × 940 × 320	998 × 940 × 320	998 × 940 × 320	788 × 940 × 320	998 × 940 × 320	998 × 940 × 320
Height	kg 52	67	67	55	67	67
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 50 (30)	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)
Max. Height Difference	mm -15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
Operating Range	Cooling °DB -15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
Refrigerant	Type (Global Warming Potential) R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)
Charge	kg (CO2eq.) 1.90 (1.283)	2.70 (1.823)	2.70 (1.823)	1.90 (1.283)	2.70 (1.823)	2.70 (1.823)
Separation tube	UTP-SX236A (Twin) UTP-SX236A (Twin) UTP-SX236A (Twin) UTP-SX236A (Twin) UTP-SX236A (Twin) UTP-SX354A (Triple)					

Dimensions



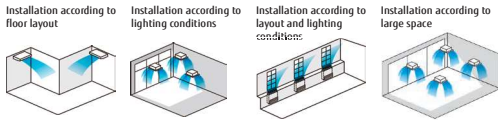
MULTI-SPLIT

Simultaneous Multi-split Type Twin/Triple/Double Twin



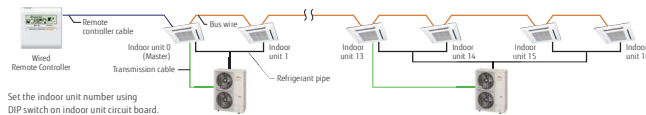
Meets a variety of installation needs from an open-plan office to a retail store, with up to 4 indoor units connected to an outdoor unit.

Select indoor units according to floor layout and heat load estimated by the number of people working in the room and the direction and intensity of sunlight entering the room. Perfect airflow distribution can be achieved for optimum comfort.



Simultaneous control

Up to 16 indoor units can be controlled simultaneously with a wired remote controller.

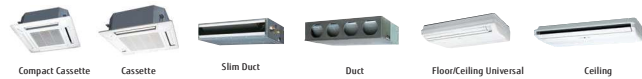


Set the indoor unit number using DIP switch on indoor unit circuit board.

*The following functions are not provided by a wireless remote controller: Timer operation, Sleep Timer operation, 10°C Heat operation

Indoor unit lineup

The indoor units, available in 18 models of 6 types, can be selected according to room size and conditions.



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



Specifications (Indoor units/Outdoor units)

Indoor Units Model name	Compact Cassette, Cassette				
	AOYG18LVLB	AOYG24LVLV	AOYG24LMLA	AOYG30LRL	AOYG45LRLA
Power Source	Single phase, ~230 V, 50 Hz				
Airflow Rate	Cooling (H/M/L/G)	m ³ /h	750/618/520/410	930/850/700/530	1300/1050/850/650
Net Dimensions H × W × D	mm	245 × 570 × 570	245 × 570 × 570	245 × 570 × 570	288 × 840 × 840
Weight	kg	15	16	26	26
Cassette Grille	UTC-UF10-W				

Indoor Units Model name	Duct				
	AOYG18LTVB	AOYG24LTVV	AOYG24LMLA	AOYG30LRL	AOYG45LRLA
Power Source	Single phase, ~230 V, 50 Hz				
Airflow Rate	Cooling (H/M/L/G)	m ³ /h	940/880/820/750	1,100/910/750/580	1,900/1,620/1,270/980
Net Dimensions H × W × D	mm	198 × 900 × 620	270 × 1135 × 700	270 × 1135 × 700	270 × 1135 × 700
Weight	kg	23	38	40	40

Indoor Units Model name	Floor/Ceiling, Ceiling				
	AOYG18LVVB	AOYG24LVVA	AOYG24LMLA	AOYG30LRL	AOYG45LRLA
Power Source	Single phase, ~230 V, 50 Hz				
Airflow Rate	Cooling (H/M/L/G)	m ³ /h	780/700/560/500	980/820/680/540	1,800/1,580/1,280/1,000
Net Dimensions H × W × D	mm	199 × 900 × 655	199 × 900 × 655	199 × 990 × 655	240 × 1,660 × 700
Weight	kg	27	27	27	46

Outdoor Units Model name	AOYG72LRLA		AOYG90LRLA	
	Capacity	Cooling	18.0	Cooling
Power Source	3-phase, ~400 V, 50 Hz		3-phase, ~400 V, 50 Hz	
Rated Pressure Level (High)	Cooling/Heating	8.4/8.0/8.400	Cooling/Heating	8.4/8.0/8.400
Airflow Rate	Cooling/Heating	m ³ /h	1,428 × 1,080 × 480	1,428 × 1,080 × 480
Net Dimensions H × W × D	mm	1,428 × 1,080 × 480	1,428 × 1,080 × 480	1,428 × 1,080 × 480
Weight	kg	8.3	11.2	11.2
Connection Pipe Diameter (Liquid/Gas)	mm	12/12.5/4	12/12.5/4	12/12.5/4
Max. Pipe Length (Pre-Charge)	m	100 (30)	100 (30)	100 (30)
Max. Height Difference	°CDB	-30 to 46	-30 to 46	-30 to 46
Operating Range	Cooling	°CDB	-30 to 46	-30 to 46
Refrigerant	Type (Global Warming Potential)	R410A (2.088)	R410A (2.088)	R410A (2.088)
Charge	kg (CO ₂ eq-1)	3.6 (11.693)	7.1 (14.825)	7.1 (14.825)
Separation tube	UTP-SX272A × 1 (Twin)	UTP-SX372A × 1 (Triple)	UTP-SX272A × 1 (Twin)	UTP-SX372A × 1 (Triple)
		UTP-SX236A × 2 (Double Twin)	UTP-SX254A × 2 (Double Twin)	UTP-SX254A × 2 (Double Twin)

* That specification is not fixed yet.

* Indoor units of different types and capacity cannot be connected.
* The above specifications apply when used with a cassette type indoor unit.

Dimensions

(Unit: mm)

