



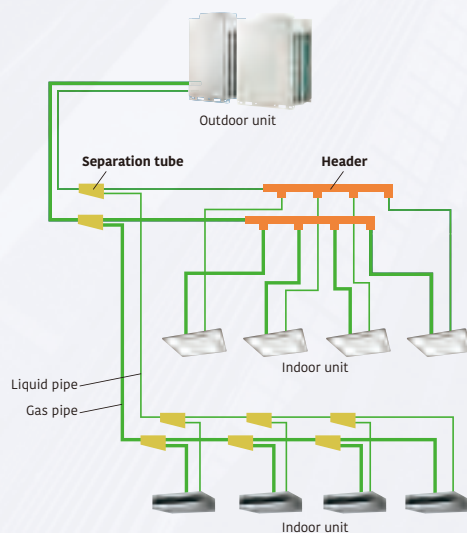
Heat Pump

Modular type

VRF V-IV

System configuration example

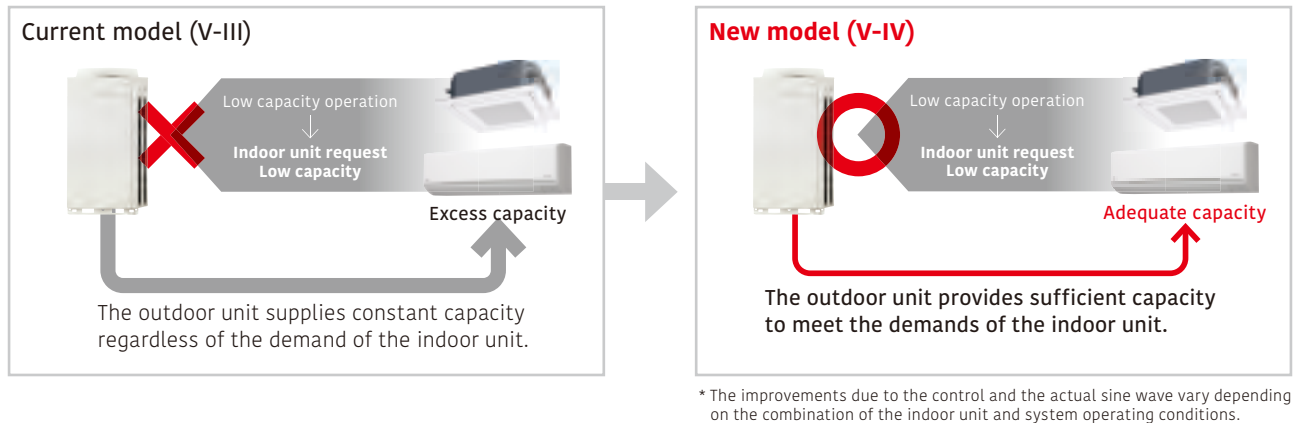
- Suitable for air conditioning midsize and large buildings. Connecting each outdoor unit makes it possible to create a high-capacity system.
- Multiple indoor units are connected with separation tubes and headers.



New intelligent refrigerant control

Fujitsu General is proposing outdoor units equipped with refrigerant control function.

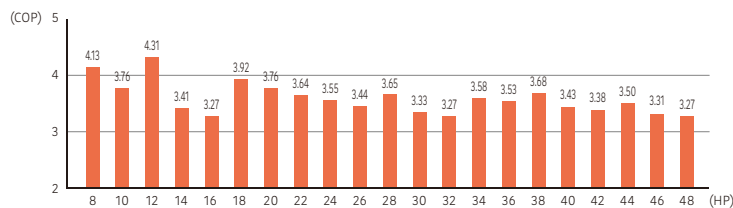
The refrigerant control operates with subtle control corresponding to the heat load of the room and offers a more comfortable environment. The refrigerant control can also provide increased energy savings.



Efficiency in actual operating conditions

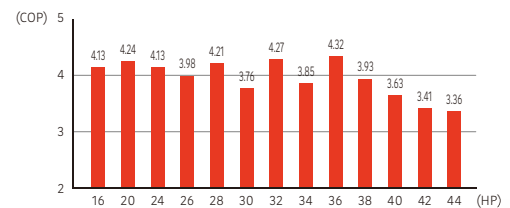
The use of our proprietary heat exchanger structure and high-efficiency DC twin-rotary compressors achieves the class-leading coefficient of performance (COP) in every combination.

Space saving combination



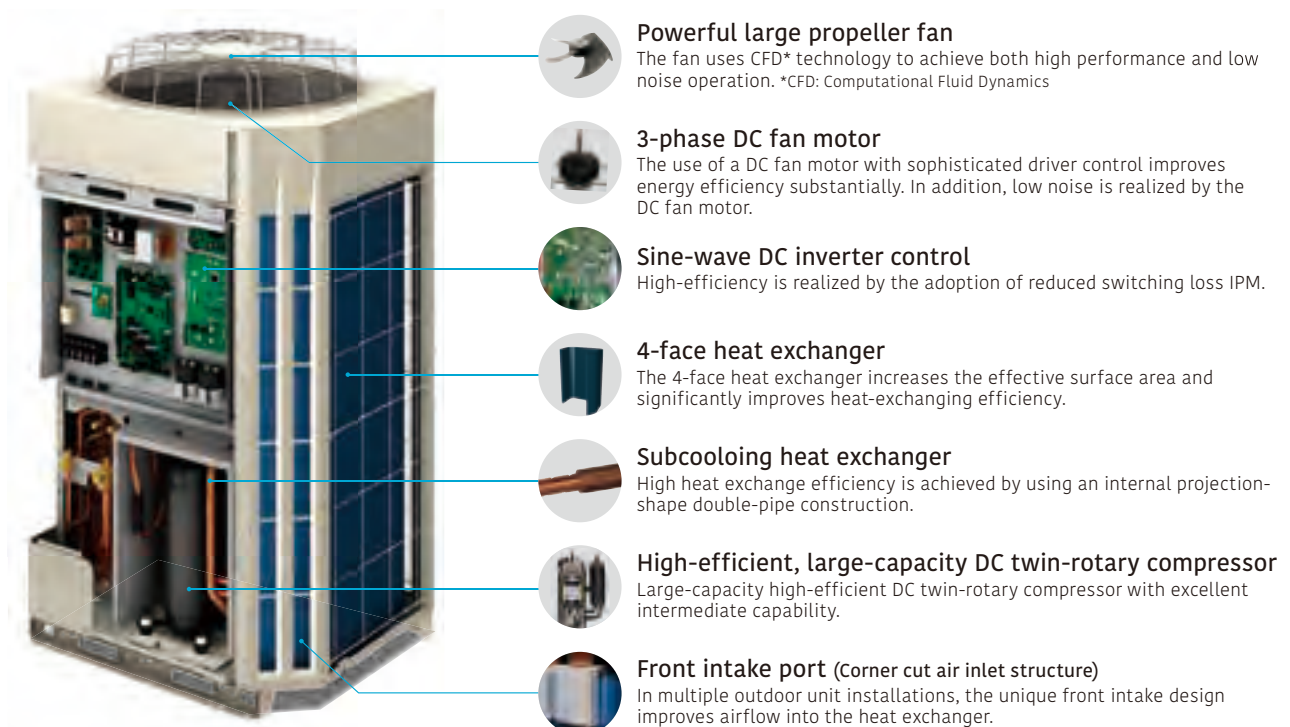
* These specifications are determined by Cassette combination.

Energy efficiency combination



*Multiple outdoor units are not certified by Eurovent.

The energy-saving technology that boosted operation efficiency



Outdoor units lineup • Combinations other than those listed below are not recommended.

Space saving combination

22.4 kW (8 HP)  AJY072LALDH UNIT: AJY072LALDH	28.0 kW (10 HP)  AJY090LALDH UNIT: AJY090LALDH	33.5 kW (12 HP)  AJY108LALDH UNIT: AJY108LALDH	40.0 kW (14 HP)  AJY126LALDH UNIT: AJY126LALDH	45.0 kW (16 HP)  AJY144LALDH UNIT: AJY144LALDH
50.4 kW (18 HP)  AJY162LALDH UNIT: AJY090/072LALDH	56.0 kW (20 HP)  AJY180LALDH UNIT: AJY090/090LALDH	62.4 kW (22 HP)  AJY198LALDH UNIT: AJY126/072LALDH	68.0 kW (24 HP)  AJY216LALDH UNIT: AJY126/090LALDH	73.0 kW (26 HP)  AJY234LALDH UNIT: AJY144/090LALDH
78.5 kW (28 HP)  AJY252LALDH UNIT: AJY144/108LALDH	85.0 kW (30 HP)  AJY270LALDH UNIT: AJY144/126LALDH	90.0 kW (32 HP)  AJY288LALDH UNIT: AJY144/144LALDH	95.4 kW(34 HP)  AJY306LALDH UNIT: AJY144/090/072LALDH	101.0 kW (36 HP)  AJY324LALDH UNIT: AJY144/090/090LALDH
106.5 kW (38 HP)  AJY342LALDH UNIT: AJY144/108/090LALDH	113.0 kW (40 HP)  AJY360LALDH UNIT: AJY144/126/090LALDH	118.0 kW (42 HP)  AJY378LALDH UNIT: AJY144/144/090LALDH	123.5 kW (44 HP)  AJY396LALDH UNIT: AJY144/144/108LALDH	130.0 kW (46 HP)  AJY414LALDH UNIT: AJY144/144/126LALDH
135.0 kW (48 HP)  AJY432LALDH UNIT: AJY144/144/144LALDH				

Energy efficiency combination

44.8 kW (16 HP)  AJY144LALDHH UNIT: AJY072/072LALDH	55.9 kW (20 HP)  AJY180LALDHH UNIT: AJY108/072LALDH	67.2 kW (24 HP)  AJY216LALDHH UNIT: AJY072/072/072LALDH	72.8 kW (26 HP)  AJY234LALDHH UNIT: AJY090/072/072LALDH	78.3 kW (28 HP)  AJY252LALDHH UNIT: AJY108/072/072LALDH
84.8 kW (30 HP)  AJY270LALDHH UNIT: AJY126/072/072LALDH	89.4 kW (32 HP)  AJY288LALDHH UNIT: AJY108/108/072LALDH	95.9 kW (34 HP)  AJY306LALDHH UNIT: AJY126/108/072LALDH	100.5 kW (36 HP)  AJY324LALDHH UNIT: AJY108/108/108LALDH	107.0 kW (38 HP)  AJY342LALDHH UNIT: AJY126/108/108LALDH
113.5 kW (40 HP)  AJY360LALDHH UNIT: AJY126/126/108LALDH	120.0 kW (42 HP)  AJY378LALDHH UNIT: AJY126/126/126LALDH	125.0 kW (44 HP)  AJY396LALDHH UNIT: AJY144/126/126LALDH		

8, 10 HP: AJY072LALDH / AJY090LALDH
12, 14, 16 HP: AJY108LALDH / AJY126LALDH / AJY144LALDH



8, 10 HP

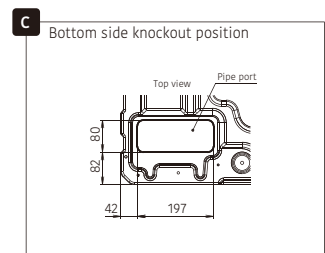
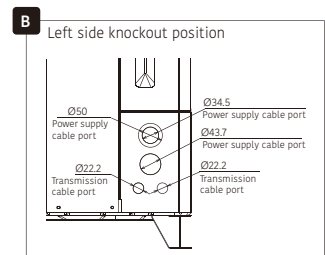
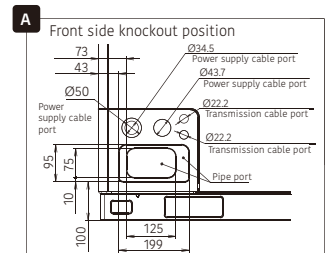
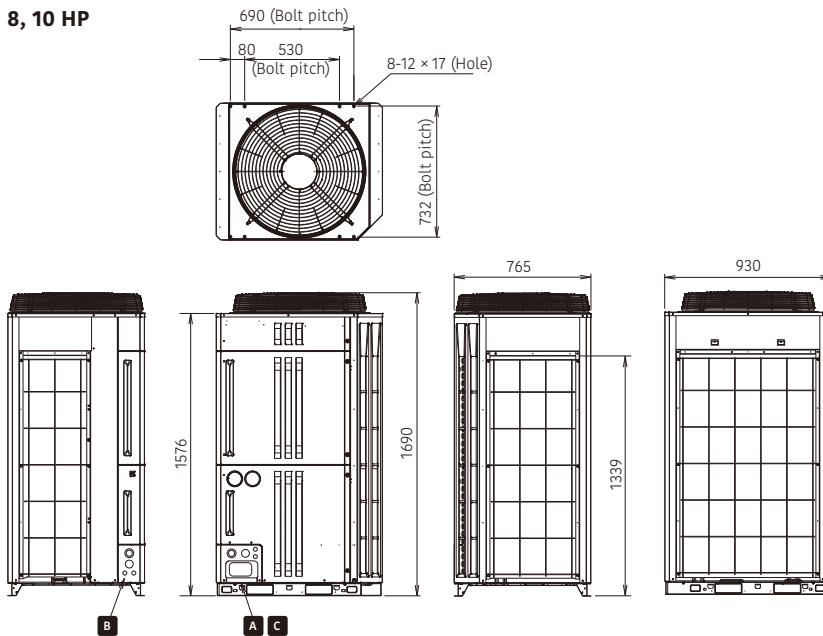


12, 14, 16 HP

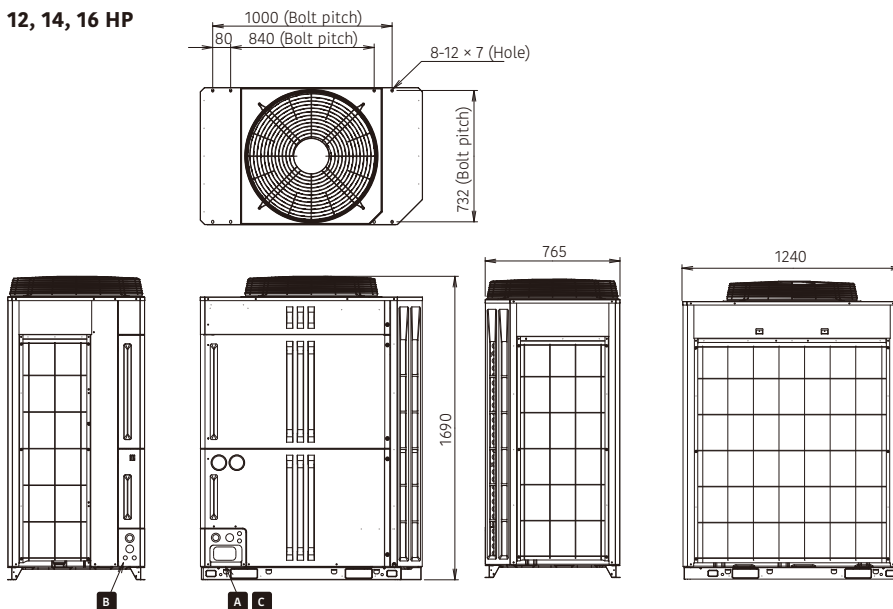
Dimensions

(Unit: mm)

8, 10 HP



12, 14, 16 HP



Outdoor unit specifications

Space saving combination

Rated capacity range		HP	8	10	12	14	16	18	20	22	24
Model name			AJY072LALDH	AJY090LALDH	AJY108LALDH	AJY126LALDH	AJY144LALDH	AJY162LALDH	AJY180LALDH	AJY198LALDH	AJY216LALDH
Unit 1			AJY072LALDH	AJY090LALDH	AJY108LALDH	AJY126LALDH	AJY144LALDH	AJY090LALDH	AJY090LALDH	AJY126LALDH	AJY126LALDH
Unit 2								AJY072LALDH	AJY090LALDH	AJY072LALDH	AJY090LALDH
Unit 3											
Maximum connectable indoor units*1			17	21	26	30	34	39	43	47	52
Connectable capacity range of indoor units		kW	11.2-33.6	14.0-42.0	16.8-50.2	20.0-60.0	22.5-67.5	25.2-75.6	28.0-84.0	31.2-93.6	34.0-102.0
Power source			3-phase, 4-wire, ~400 V, 50 Hz								
Capacity	Cooling	kW	22.4	28.0	33.5	40.0	45.0	50.4	56.0	62.4	68.0
	Nominal Heating		22.4	28.0	33.5	40.0	45.0	50.4	56.0	62.4	68.0
	Max. Heating		25.0	31.5	37.5	45.0	48.0	56.5	63.0	70.0	76.5
Input power	Cooling	kW	5.95	9.06	9.54	13.18	16.74	15.01	18.12	19.13	22.24
	Nominal Heating		5.42	7.44	7.76	11.74	13.76	12.86	14.88	17.16	19.18
	Max. Heating		6.26	8.98	9.48	14.00	15.02	15.24	17.96	20.26	22.98
EER	Cooling	W/W	3.76	3.09	3.51	3.03	2.68	3.36	3.09	3.26	3.06
COP	Nominal Heating		4.13	3.76	4.31	3.41	3.27	3.92	3.76	3.64	3.55
	Max. Heating		3.99	3.50	3.95	3.21	3.19	3.71	3.51	3.46	3.33
SEER	Cooling		7.09	6.56	7.33	6.67	6.18	6.83	6.56	6.64	6.62
SCOP	Heating		3.83	3.80	4.19	4.19	4.27	3.82	3.80	4.05	4.00
ηc	Cooling	%	281.0	259.0	290.0	264.0	244.0	270.0	259.0	262.5	261.5
ηh	Heating		150.0	149.0	165.0	165.0	168.0	149.5	149.0	159.0	157.0
Air flow rate	High	m³/h	11,100	11,100	13,000	13,000	13,700	11,100×2	11,100 × 2	13,000 + 11,100	13,000 + 11,100
Sound pressure level*2/ Power level	Cooling	dB(A)	58 / 79	58 / 79	58 / 81	62 / 84	63 / 86	61 / 82	61 / 82	63 / 85	63 / 85
	Heating		59 / 80	60 / 81	60 / 83	64 / 85	65 / 87	63 / 84	63 / 84	65 / 86	65 / 86
Max. External static pressure		Pa	82	82	82	82	82	82	82	82	82
Compressor motor output		kW	7.5	7.5	11.0	11.0	11.0	7.5×2	7.5 × 2	11.0 + 7.5	11.0 + 7.5
Heat exchanger fin			Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin
Net Dimensions	Height	mm	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690
	Width		930	930	1,240	1,240	1,240	930 × 2	930 × 2	1,240 + 930	1,240 + 930
	Depth		765	765	765	765	765	765	765	765	765
Weight		kg	252	252	275	275	275	252 × 2	252 × 2	275 + 252	275 + 252
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	kg (CO2eq-T)	11.7 (24.4)	11.7 (24.4)	11.8 (24.6)	11.8 (24.6)	11.8 (24.6)	11.7 × 2 (24.4 × 2)	11.7 × 2 (24.4 × 2)	11.8 + 11.7 (24.6 + 24.4)	11.8 + 11.7 (24.6 + 24.4)
Connection pipe diameter	Liquid	mm	12.70	12.70	12.70	12.70	12.70	15.88	15.88	15.88	15.88
	Gas		22.22	22.22	28.58	28.58	28.58	28.58	28.58	34.92	34.92
Operating Range	Cooling	°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46
	Heating		-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21

Energy Efficiency Combination

Rated capacity range		HP	16	20	24	26	28	30
Model name			AJY144LALDHH	AJY180LALDHH	AJY216LALDHH	AJY234LALDHH	AJY252LALDHH	AJY270LALDHH
Unit 1			AJY072LALDH	AJY108LALDH	AJY072LALDH	AJY090LALDH	AJY108LALDH	AJY126LALDH
Unit 2			AJY072LALDH	AJY072LALDH	AJY072LALDH	AJY072LALDH	AJY072LALDH	AJY072LALDH
Unit 3								
Maximum connectable indoor units*1			34	43	52	56	60	64
Connectable capacity range of indoor units		kW	22.4-67.2	28.0-83.8	33.6-100.8	36.4-109.2	39.2-117.4	42.4-127.2
Power source			3-phase, 4-wire, ~400 V, 50 Hz					
Capacity	Cooling	kW	44.8	55.9	67.2	72.8	78.3	84.8
	Nominal Heating		44.8	55.9	67.2	72.8	78.3	84.8
	Max. Heating		50.0	62.5	75.0	81.5	87.5	95.0
Input power	Cooling	kW	11.90	15.49	17.85	20.96	21.44	25.08
	Nominal Heating		10.84	13.18	16.26	18.28	18.60	22.58
	Max. Heating		12.52	15.74	18.78	21.50	22.00	26.52
EER	Cooling	W/W	3.76	3.61	3.76	3.47	3.65	3.38
COP	Nominal Heating		4.13	4.24	4.13	3.98	4.21	3.76
	Max. Heating		3.99	3.97	3.99	3.79	3.98	3.58
SEER	Cooling		7.09	7.21	7.09	6.91	7.17	6.79
SCOP	Heating		3.83	4.01	3.83	3.82	3.95	3.98
ηc	Cooling	%	281.0	285.5	281.0	273.7	284.0	275.3
ηh	Heating		150.0	157.5	150.0	149.7	155.0	155.0
Air flow rate	High	m³/h	11,100 × 2	13,000 + 11,100	11,100 × 3	11,000 × 3	13,000 + 11,100 × 2	13,000 + 11,100 × 2
Sound pressure level*2/ Power level	Cooling	dB(A)	61 / 82	61 / 83	63 / 84	63 / 84	63 / 85	65 / 86
	Heating		62 / 83	63 / 85	64 / 85	64 / 85	64 / 86	66 / 87
Max. External static pressure		Pa	82	82	82	82	82	82
Compressor motor output		kW	7.5 × 2	11.0 + 7.5	7.5 × 3	7.5 × 3	11.0 + 7.5 × 2	11.0 + 7.5 × 2
Heat exchanger fin			Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin
Net Dimensions	Height	mm	1,690	1,690	1,690	1,690	1,690	1,690
	Width		930 × 2	1,240 + 930	930 × 3	930 × 3	1,240 + 930 × 2	1,240 + 930 × 2
	Depth		765	765	765	765	765	765
Weight		kg	252 × 2	275 + 252	252 × 3	252 × 3	275 + 252 × 2	275 + 252 × 2
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 (CO2eq-T)	11.7 × 2 (24.4 × 2)	11.8 + 11.7 (24.6 + 24.4)	11.7 × 3 (24.4 × 3)	11.7 × 3 (24.4 × 3)	11.8 + 11.7 × 2 (24.6 + 24.4 × 2)	11.8 + 11.7 × 2 (24.6 + 24.4 × 2)
Connection pipe diameter	Liquid	mm	12.70	15.88	15.88	15.88	15.88	19.05
	Gas		28.58	28.58	34.92	34.92	34.92	34.92
Operating Range	Cooling	°CDB	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46
	Heating		-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21

Note: Specifications are subject to the following conditions:

Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.

Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.

Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m.

When cooling operation is conducted at an outdoor air temperature below -5°C,

the outdoor unit must be installed in a position that is higher than or equal to that of the indoor units.

*These specifications are determined by ducted combination.

*Multiple outdoor units are not certified by Eurovent.

26	28	30	32	34	36	38	40	42	44	46	48
AJY234LALDH	AJY252LALDH	AJY270LALDH	AJY288LALDH	AJY306LALDH	AJY324LALDH	AJY342LALDH	AJY360LALDH	AJY378LALDH	AJY396LALDH	AJY414LALDH	AJY432LALDH
AJY144LALDH AJY090LALDH	AJY144LALDH AJY108LALDH	AJY144LALDH AJY126LALDH	AJY144LALDH AJY144LALDH	AJY144LALDH AJY090LALDH AJY072LALDH	AJY144LALDH AJY090LALDH	AJY144LALDH AJY108LALDH AJY090LALDH	AJY144LALDH AJY126LALDH AJY090LALDH	AJY144LALDH AJY144LALDH AJY108LALDH	AJY144LALDH AJY144LALDH AJY108LALDH	AJY144LALDH AJY144LALDH AJY126LALDH	AJY144LALDH AJY144LALDH AJY144LALDH
56	60	64	64	64	64	64	64	64	64	64	64
36.5-109.5	39.3-117.7	42.5-127.5	45.0-135.0	47.7-143.1	50.5-151.5	53.3-159.7	56.5-169.5	59.0-177.0	61.8-185.2	65.0-195.0	67.5-202.5
3-phase, 4-wire, ~400 V, 50 Hz											
73.0	78.5	85.0	90.0	95.4	101.0	106.5	113.0	118.0	123.5	130.0	135.0
73.0	78.5	85.0	90.0	95.4	101.0	106.5	113.0	118.0	123.5	130.0	135.0
79.5	85.5	93.0	96.0	104.5	111.0	117.0	124.5	127.5	133.5	141.0	144.0
25.80	26.28	29.92	33.48	31.75	34.86	35.34	38.98	42.54	43.02	46.66	50.22
21.20	21.52	25.50	27.52	26.62	28.64	28.96	32.94	34.96	35.28	39.26	41.28
24.00	24.50	29.02	30.04	30.26	32.98	33.48	38.00	39.02	39.52	44.04	45.06
2.83	2.99	2.84	2.69	3.00	2.90	3.01	2.90	2.77	2.87	2.79	2.69
3.44	3.65	3.33	3.27	3.58	3.53	3.68	3.43	3.38	3.50	3.31	3.27
3.31	3.49	3.20	3.20	3.45	3.37	3.49	3.28	3.27	3.38	3.20	3.20
6.37	6.76	6.43	6.18	6.61	6.43	6.69	6.47	6.31	6.56	6.34	6.18
4.04	4.23	4.23	4.27	3.97	3.96	4.09	4.09	4.11	4.24	4.24	4.27
251.5	267.0	254.0	244.0	261.3	254.0	264.3	255.7	249.0	259.3	250.7	244.0
158.5	166.5	166.5	168.0	155.7	155.3	160.7	160.7	161.7	167.0	167.0	168.0
13,700 + 11,100	13,700 + 13,000	13,700 + 13,000	13,700 × 2	13,700+11,100×2	13,700+11,100×2	13,700+13,000+11,100	13,700 + 13,000 + 11,100	13,700 × 2 + 11,100	13,700×2+13,000	13,700×2+13,000	13,700 × 3
64 / 87	64 / 87	66 / 88	66 / 89	65 / 87	65 / 87	65 / 88	66 / 89	67 / 89	67 / 90	67 / 90	68 / 91
66 / 88	66 / 88	68 / 89	68 / 90	67 / 89	67 / 89	67 / 89	68 / 90	69 / 91	69 / 91	69 / 91	70 / 92
82	82	82	82	82	82	82	82	82	82	82	82
11.0 × 7.5	11.0×2	11.0 × 2	11.0 × 2	11.0+7.5×2	11.0+7.5×2	11.0 × 2 + 7.5	11.0 × 2 + 7.5	11.0 × 2 + 7.5	11.0×3	11.0×3	11.0×3
Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin
1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690
1,240 × 930	1,240 × 2	1,240 × 2	1,240 × 2	1,240 × 930 × 2	1,240 × 930 × 2	1,240 × 2 + 930	1,240 × 2 + 930	1,240 × 2 + 930	1,240 × 2 + 930	1,240 × 3	1,240 × 3
765	765	765	765	765	765	765	765	765	765	765	765
275 × 252	275 × 2	275 × 2	275 × 2	275 + 252 × 2	275 + 252 × 2	275 × 2 + 252	275 × 2 + 252	275 × 2 + 252	275 × 3	275 × 3	275 × 3
R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
11.8 × 11.7 (24.6 × 24.4)	11.8 × 2 (24.6 × 2)	11.8 × 2 (24.6 × 2)	11.8 × 2 (24.6 × 2)	11.8 + 11.7 × 2 (24.6 + 24.4 × 2)	11.8 + 11.7 × 2 (24.6 + 24.4 × 2)	11.8 × 2 + 11.7 (24.6 × 2 + 24.4)	11.8 × 2 + 11.7 (24.6 × 2 + 24.4)	11.8 × 2 + 11.7 (24.6 × 2 + 24.4)	11.8 × 3 (24.6 × 3)	11.8 × 3 (24.6 × 3)	11.8 × 3 (24.6 × 3)
15.88	15.88	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05
34.92	34.92	34.92	34.92	34.92	41.27	41.27	41.27	41.27	41.27	41.27	41.27
-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46
-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21

32	34	36	38	40	42	44
AJY288LALDHH	AJY306LALDHH	AJY324LALDHH	AJY342LALDHH	AJY360LALDHH	AJY378LALDHH	AJY396LALDHH
AJY108LALDH AJY108LALDH AJY072LALDH	AJY126LALDH AJY108LALDH AJY072LALDH	AJY108LALDH AJY108LALDH AJY108LALDH	AJY126LALDH AJY108LALDH AJY108LALDH	AJY126LALDH AJY126LALDH AJY108LALDH	AJY126LALDH AJY126LALDH AJY126LALDH	AJY144LALDH AJY126LALDH AJY126LALDH
64	64	64	64	64	64	64
44.7-134.1	48.0-143.8	50.3-150.7	53.5-160.5	56.8-170.2	60.0-180.0	62.5-187.5
3-phase, 4-wire, ~400 V, 50 Hz						
89.4	95.9	100.5	107.0	113.5	120.0	125.0
89.4	95.9	100.5	107.0	113.5	120.0	125.0
100.0	107.5	112.5	120.0	127.5	135.0	138.0
25.03	28.67	28.62	32.26	35.90	39.54	43.10
20.94	24.92	23.28	27.26	31.24	35.22	37.24
25.22	29.74	28.44	32.96	37.48	42.00	43.02
3.57	3.34	3.51	3.32	3.16	3.03	2.90
4.27	3.85	4.32	3.93	3.63	3.41	3.36
3.97	3.61	3.96	3.64	3.40	3.21	3.21
7.25	7.03	7.33	7.11	6.89	6.67	6.51
4.07	4.07	4.19	4.19	4.19	4.19	4.22
287.0	278.3	290.0	281.3	272.7	264.0	257.3
160.0	160.0	165.0	165.0	165.0	165.0	166.0
13,000 × 2 + 11,100	13,000 × 2 + 11,100	13,000 × 3	13,000 × 3	13,000 × 3	13,000 × 3	13,700 + 13,000 × 2
63 / 85	65 / 87	63 / 86	65 / 87	66 / 88	67 / 89	67 / 90
64 / 87	66 / 88	65 / 88	67 / 89	68 / 89	69 / 90	69 / 91
82	82	82	82	82	82	82
11.0 × 2 + 7.5	11.0 × 2 + 7.5	11.0 × 3	11.0 × 3	11.0 × 3	11.0 × 3	11.0 × 3
Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin
1,690	1,690	1,690	1,690	1,690	1,690	1,690
1,240 × 2 + 930	1,240 × 2 + 930	1,240 × 3	1,240 × 3	1,240 × 3	1,240 × 3	1,240 × 3
765	765	765	765	765	765	765
275 × 2 + 252	275 × 2 + 252	275 × 3	275 × 3	275 × 3	275 × 3	275 × 3
R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
11.8 × 2 + 11.7 (24.6 × 2 + 24.4)	11.8 × 2 + 11.7 (24.6 × 2 + 24.4)	11.8 × 3 (24.6 × 3)	11.8 × 3 (24.6 × 3)	11.8 × 3 (24.6 × 3)	11.8 × 3 (24.6 × 3)	11.8 × 3 (24.6 × 3)
19.05	19.05	19.05	19.05	19.05	19.05	19.05
34.92	34.92	41.27	41.27	41.27	41.27	41.27
-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46
-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21

*1 Minimum connectable indoor unit number is 2.

However, the ARXC72 and ARXC90 can be used with a signal connection.

*2 The noise level is the value measured in an anechoic room.

When measured in an actual installation, the measured value is typically larger than the indicated value due to ambient noise and reflections.

* These specifications are determined by ducted combination.