

AIRSTAGE V-II

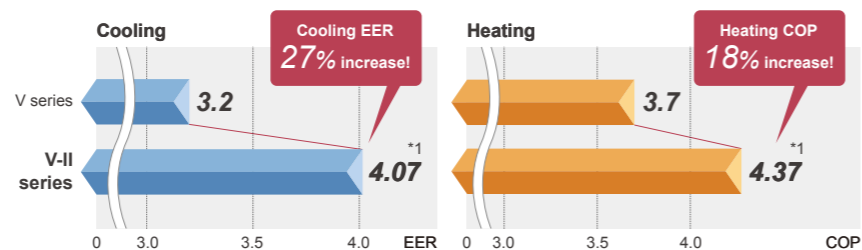
Smart and cutting edge design
 Extensive lineup from 8HP to 48HP
 in 2HP increment
 Connectable indoor unit capacity
 ratio up to 150%



High Efficiency

Significantly improved EER/COP

Significantly greater efficiency is realized by the use of a DC twin rotary compressor, inverter technology, and large heat exchanger.



* "EER/COP" is the coefficient of performance [= capacity (kW) ÷ input power (kW)].
 *EER/COP values are based on our own testing method.
 *1. The data refers to a 8HP outdoor unit.

Energy saving technology that boosted operation efficiency

DC Fan motor:
Power consumption has been reduced by 25% compared to previous models by using a compact and high performance DC fan motor.

4-face heat exchanger: Heat exchange efficiency is significantly improved by the introduction of a new 4-face heat exchanger that increases effective surface area.

Surface area **1.7 times!**

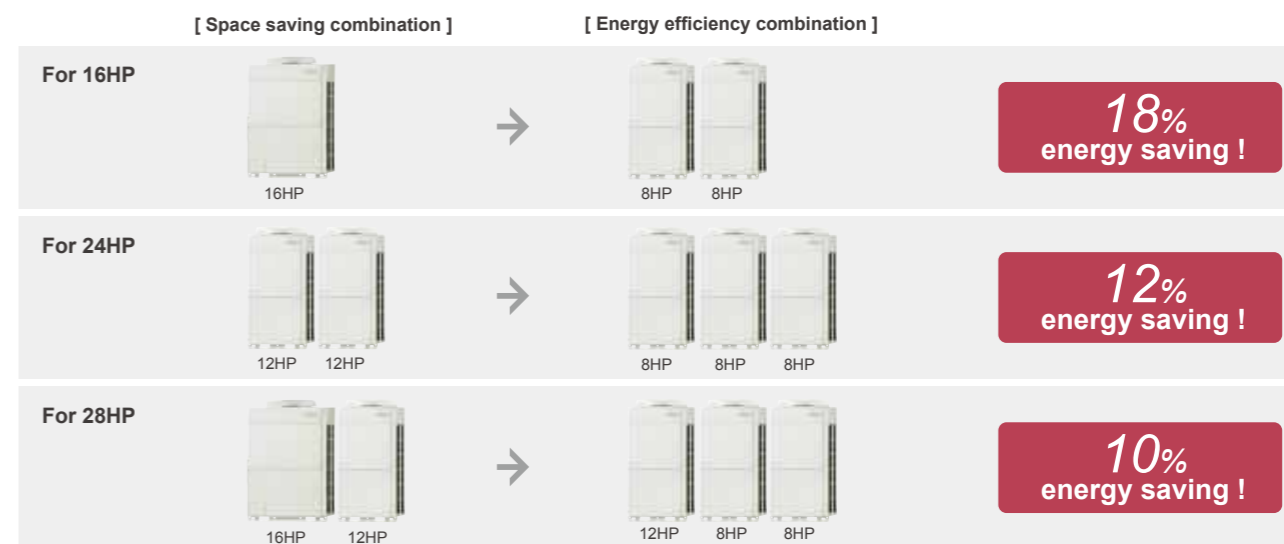
Sine-wave DC inverter control:
High efficiency operation is realized by using a sine wave DC inverter control.

DC twin rotary compressor:
Significantly greater efficiency is realized by use of a large capacity DC twin rotary compressor with substantially increased refrigerant intake and compression efficiency.

In multiple outdoor unit installations, the unique front intake design improves airflow into the Heat Exchanger.

Energy Efficiency Combination

Choice of space saving or energy efficiency combinations

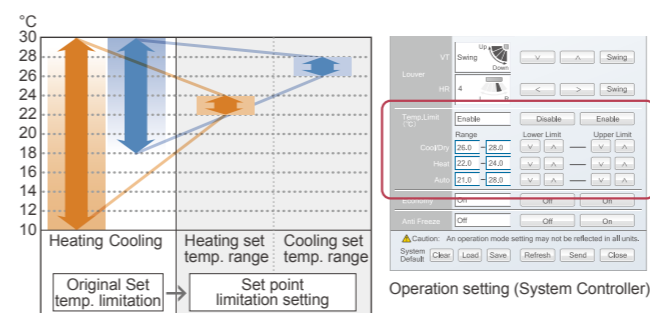


(Comparison of Average COP)

Various Energy Saving Features

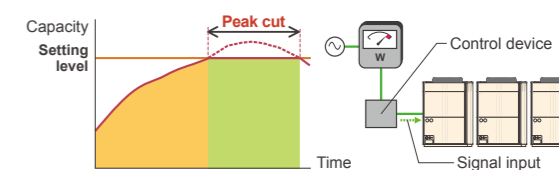
Room temperature set point limitation

The minimum and maximum temperature range can be set giving further energy saving while considering the comfort of the occupants.



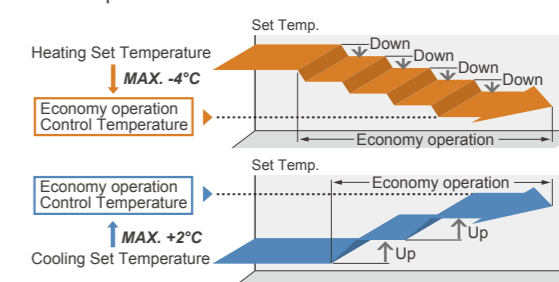
Peak cut operation

Operation capacity can be set in 4 steps for rated capability. The power consumption at peak is cut down and the maximum load is suppressed.



Economy operation

Economy operation can be set by remote controller. The temperature setting is offset automatically over a certain period of time.
























Auto-off timer

Each remote controller is equipped with an OFF timer function that automatically stops operation when a fixed time has elapsed from the start of operation. This prevents wasteful operation. (NB Except simple remote controller)

Outdoor units lineup

*Combinations other than the followings are not recommended.

Space saving combination				
22.4kW (8HP)  AJYA72LALH UNIT : AJYA72LALH	28.0kW (10HP)  AJYA90LALH UNIT : AJYA90LALH	33.5kW (12HP)  AJY108LALH UNIT : AJY108LALH	40.0kW (14HP)  AJY126LALH UNIT : AJY126LALH	45.0kW (16HP)  AJY144LALH UNIT : AJY144LALH
50.4kW (18HP)  AJY162LALH UNIT : AJYA90/A72LALH	55.9kW (20HP)  AJY180LALH UNIT : AJY108/A72LALH	61.5kW (22HP)  AJY198LALH UNIT : AJY108/A90LALH	67.0kW (24HP)  AJY216LALH UNIT : AJY108/108LALH	73.5kW (26HP)  AJY234LALH UNIT : AJY126/108LALH
78.5kW (28HP)  AJY252LALH UNIT : AJY144/108LALH	85.0kW (30HP)  AJY270LALH UNIT : AJY144/126LALH	90.0kW (32HP)  AJY288LALH UNIT : AJY144/144LALH	95.0kW (34HP)  AJY306LALH UNIT : AJY108/108/A90LALH	100.5kW (36HP)  AJY324LALH UNIT : AJY108/108/108LALH
107.0kW (38HP)  AJY342LALH UNIT : AJY126/108/108LALH	112.0kW (40HP)  AJY360LALH UNIT : AJY144/108/108LALH	118.5kW (42HP)  AJY378LALH UNIT : AJY144/126/108LALH	123.5kW (44HP)  AJY396LALH UNIT : AJY144/144/108LALH	130.0kW (46HP)  AJY414LALH UNIT : AJY144/144/126LALH
135.0kW (48HP)  AJY432LALH UNIT : AJY144/144/144LALH				

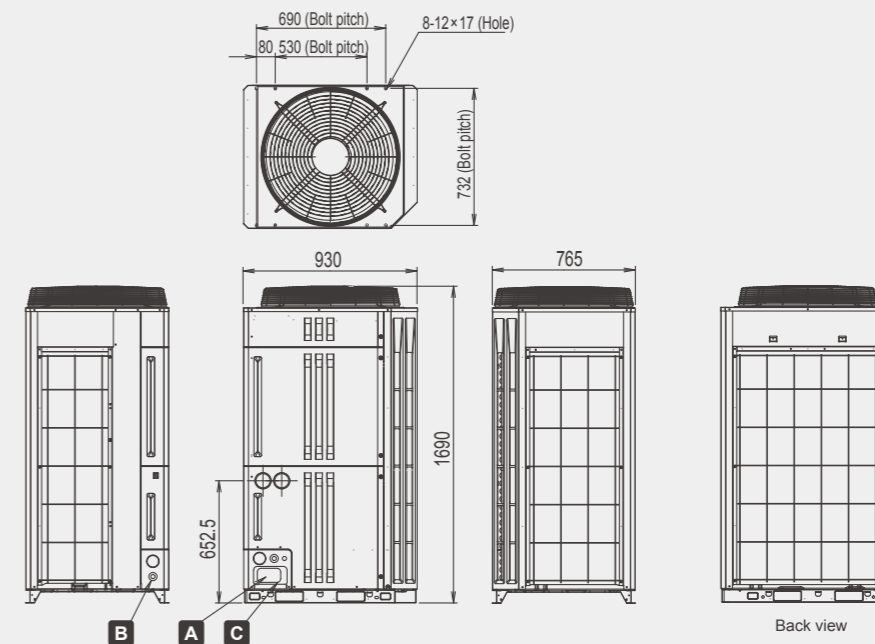
Energy efficiency combination				
44.8kW (16HP)  AJY144LALHH UNIT : AJYA72/A72LALH	62.4kW (22HP)  AJY198LALHH UNIT : AJY126/A72LALH	67.2kW (24HP)  AJY216LALHH UNIT : AJYA72/A72/A72LALH	72.8kW (26HP)  AJY234LALHH UNIT : AJYA90/A72/A72LALH	78.3kW (28HP)  AJY252LALHH UNIT : AJY108/A72/A72LALH
84.8kW (30HP)  AJY270LALHH UNIT : AJY126/A72/A72LALH	89.8kW (32HP)  AJY288LALHH UNIT : AJY108/108/A72LALH	95.9kW (34HP)  AJY306LALHH UNIT : AJY126/108/A72LALH	102.4kW (36HP)  AJY324LALHH UNIT : AJY126/126/A72LALH	113.5kW (40HP)  AJY360LALHH UNIT : AJY126/126/108LALH
120.0kW (42HP)  AJY378LALHH UNIT : AJY126/126/126LALH	125.0kW (44HP)  AJY396LALHH UNIT : AJY144/126/126LALH			

Outdoor units dimensions

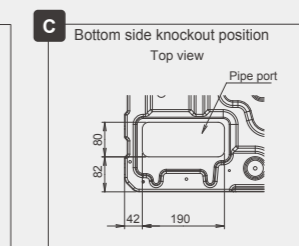
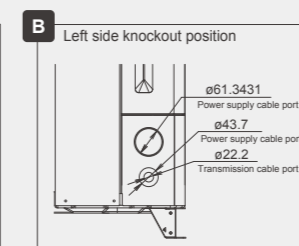
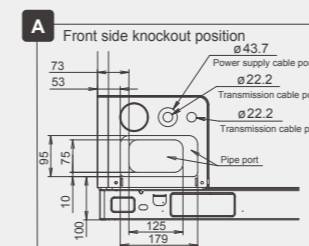
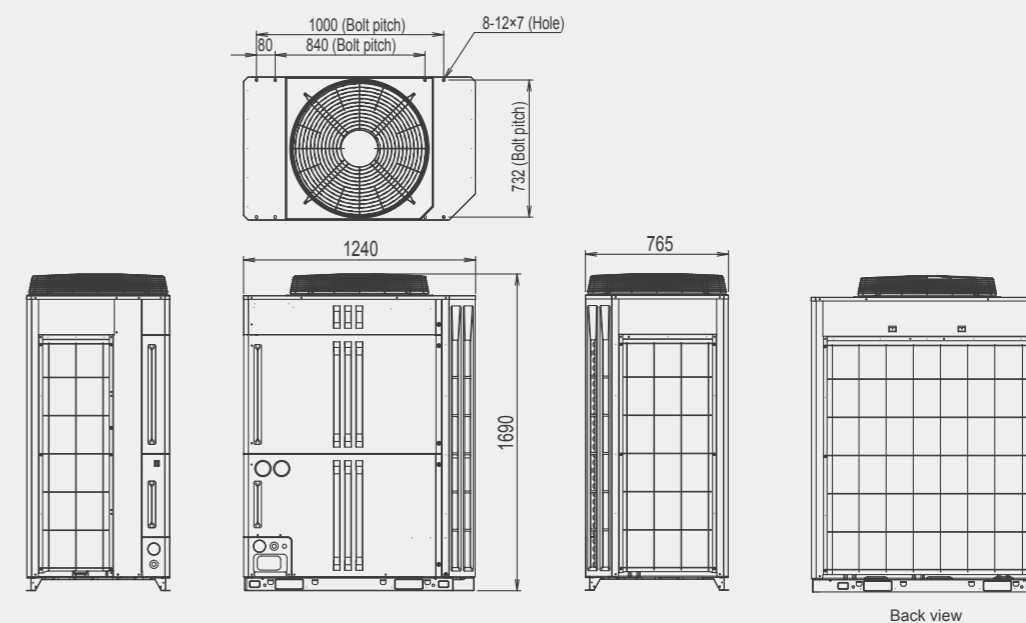
Dimensions

(Unit : mm)

8,10,12HP: AJYA72LALH / AJYA90LALH / AJY108LALH



14,16HP: AJY126LALH / AJY144LALH





Outdoor units specifications

Space Saving Combination

Rating Capacity range	HP	8	10	12	14	16	18	20	22	24	
Model name		AJYA72LALH	AJYA90LALH	AJY108LALH	AJY126LALH	AJY144LALH	AJY162LALH	AJY180LALH	AJY198LALH	AJY216LALH	
Unit 1		AJYA72LALH	AJYA90LALH	AJY108LALH	AJY126LALH	AJY144LALH	AJYA90LALH	AJY108LALH	AJY108LALH	AJY108LALH	
Unit 2							AJYA72LALH	AJYA72LALH	AJYA90LALH	AJY108LALH	
Unit 3											
Maximum Connectable Indoor Unit*1		15	16	17	21	24	32	32	32	35	
Indoor unit connectable capacity	Cooling	11.2-33.6	14.0-42.0	16.8-50.2	20.0-60.0	22.4-67.2	25.2-75.6	28.0-83.9	30.8-92.3	33.5-100.5	
Power source		3-phase 4 wire, 400 V, 50Hz									
Capacity	Cooling	22.4	28.0	33.5	40.0	45.0	50.4	55.9	61.5	67.0	
	Heating	25.0	31.5	37.5	45.0	50.0	56.5	62.5	69.0	75.0	
Input power	Cooling	5.51	7.73	9.62	11.53	14.17	13.24	15.13	17.35	19.24	
	Heating	5.72	7.83	9.28	11.45	12.60	13.55	15.00	17.11	18.56	
EER	Cooling	4.07	3.62	3.48	3.47	3.18	3.81	3.69	3.54	3.48	
COP	Heating	4.37	4.02	4.04	3.93	3.97	4.17	4.17	4.03	4.04	
Air flow rate	High	11,100	11,100	11,100	13,000	13,000	11,100 x 2	11,100 x 2	11,100 x 2	11,100 x 2	
Sound pressure level*2	Cooling	56	58	58	60	61	60	60	61	61	
	Heating	58	59	60	61	61	62	62	63	63	
Maximum external static pressure	Pa	80	80	80	80	80	80	80	80	80	
Compressor motor output	kW	3.9	3.9	3.9 + 4.5	3.9 + 4.5	3.9 + 4.5	3.9 x 2	3.9 x 2 + 4.5	3.9 x 2 + 4.5	3.9 x 2 + 4.5 x 2	
Heat exchanger fin		Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	
Dimensions	Height	mm	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	
	Width	mm	930	930	930	1,240	1,240	930 x 2	930 x 2	930 x 2	930 x 2
	Depth	mm	765	765	765	765	765	765	765	765	765
Weight	kg	220	220	275	296	296	220 + 220	275 + 220	275 + 220	275 + 275	
Refrigerant charge	kg	11.2	11.2	11.8	11.8	11.8	11.2 x 2	11.8 + 11.2	11.8 + 11.2	11.8 x 2	
Connection pipe diameter	Liquid	mm	12.70	12.70	12.70	12.70	12.70	15.88	15.88	15.88	
	Gas	mm	22.20	22.20	28.58	28.58	28.58	28.58	34.92	34.92	
Operation range	Cooling	°C	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-5 to 46	-5 to 46	-5 to 46	
	Heating	°C	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	



















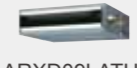



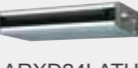





























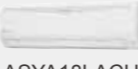
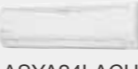
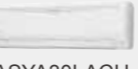
Rating Capacity range	HP	26	28	30	32	34	36	38	40	42	44	46	48	
Model name		AJY234LALH	AJY252LALH	AJY270LALH	AJY288LALH	AJY306LALH	AJY324LALH	AJY342LALH	AJY360LALH	AJY378LALH	AJY396LALH	AJY414LALH	AJY432LALH	
Unit 1		AJY126LALH	AJY144LALH	AJY144LALH	AJY144LALH	AJY108LALH	AJY108LALH	AJY126LALH	AJY144LALH	AJY144LALH	AJY144LALH	AJY144LALH	AJY144LALH	
Unit 2		AJY108LALH	AJY108LALH	AJY126LALH	AJY144LALH	AJY108LALH	AJY108LALH	AJY108LALH	AJY108LALH	AJY108LALH	AJY126LALH	AJY144LALH	AJY144LALH	
Unit 3						AJYA90LALH	AJY108LALH	AJY108LALH	AJY108LALH	AJY108LALH	AJY108LALH	AJY126LALH	AJY144LALH	
Maximum Connectable Indoor Unit*1		39	42	45	48	48	48	48	48	48	48	48	48	
Indoor unit connectable capacity	Cooling	36.8-110.3	39.3-117.8	42.5-127.5	45.0-135.0	47.5-142.5	50.3-150.8	53.5-160.5	56.0-168.0	59.3-177.8	61.8-185.3	65.0-195.0	67.5-202.5	
Power source		3-phase 4 wire, 400 V, 50Hz												
Capacity	Cooling	73.5	78.5	85.0	90.0	95.0	100.5	107.0	112.0	118.5	123.5	130.0	135.0	
	Heating	82.5	87.5	95.0	100.0	106.5	112.5	120.0	125.0	132.5	137.5	145.0	150.0	
Input power	Cooling	21.15	23.79	25.70	28.34	26.97	28.86	30.77	33.41	35.32	37.96	39.87	42.51	
	Heating	20.73	21.88	24.05	25.20	26.39	27.84	30.01	31.16	33.33	34.48	36.65	37.80	
EER	Cooling	3.48	3.30	3.31	3.18	3.52	3.48	3.48	3.35	3.36	3.25	3.26	3.18	
COP	Heating	3.98	4.00	3.95	3.97	4.04	4.04	4.00	4.01	3.98	3.99	3.96	3.97	
Air flow rate	High	13,000 + 11,100	13,000 + 11,100	13,000 x 2	13,000 x 2	11,100 x 3	11,100 x 3	13,000 + 11,100 x 2	13,000 + 11,100 x 2	13,000 x 2 + 11,100	13,000 x 2 + 11,100	13,000 x 3	13,000 x 3	
Sound pressure level*2	Cooling	62	63	64	64	63	63	64	64	65	65	65	66	
	Heating	64	64	64	64	64	65	65	65	65	65	66	66	
Maximum external static pressure	Pa	80	80	80	80	80	80	80	80	80	80	80	80	
Compressor motor output	kW	3.9 x 2 + 4.5 x 2	3.9 x 2 + 4.5 x 2	3.9 x 2 + 4.5 x 2	3.9 x 2 + 4.5 x 2	3.9 x 3 + 4.5 x 2	3.9 x 3 + 4.5 x 2	3.9 x 3 + 4.5 x 3	3.9 x 3 + 4.5 x 3	3.9 x 3 + 4.5 x 3	3.9 x 3 + 4.5 x 3	3.9 x 3 + 4.5 x 3	3.9 x 3 + 4.5 x 3	
Heat exchanger fin		Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	
Dimensions	Height	mm	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	
	Width	mm	930 + 1,240	930 + 1,240	1,240 x 2	1,240 x 2	930 x 3	930 x 3	930 x 2 + 1,240	930 x 2 + 1,240	930 + 1,240 x 2	930 + 1,240 x 2	1,240 x 3	1,240 x 3
	Depth	mm	765	765	765	765	765	765	765	765	765	765	765	
Weight	kg	296 + 275	296 + 275	296 + 296	296 + 296	275 + 275 + 220	275 + 275 + 275	296 + 275 + 275	296 + 275 + 275	296 + 296 + 275	296 + 296 + 275	296 + 296 + 296	296 + 296 + 296	
Refrigerant charge	kg	11.8 x 2	11.8 x 2	11.8 x 2	11.8 x 2	11.8 x 2 + 11.2	11.8 x 3	11.8 x 3	11.8 x 3	11.8 x 3	11.8 x 3	11.8 x 3	11.8 x 3	
Connection pipe diameter	Liquid	mm	15.88	15.88	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	
	Gas	mm	34.92	34.92	34.92	34.92	34.92	41.27	41.27	41.27	41.27	41.27	41.27	
Operation range	Cooling	°C	-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	
	Heating	°C	-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	

Energy Efficiency Combination

Rating Capacity range	HP	16	22	24	26	28	30	
Model name		AJY144LALHH	AJY198LALHH	AJY216LALHH	AJY234LALHH	AJY252LALHH	AJY270LALHH	
Unit 1		AJYA72LALH	AJY126LALH	AJYA72LALH	AJYA90LALH	AJY108LALH	AJY126LALH	
Unit 2		AJYA72LALH	AJYA72LALH	AJYA72LALH	AJYA72LALH	AJYA72LALH	AJYA72LALH	
Unit 3								
Maximum Connectable Indoor Unit*1		30	33	36	39	42	45	
Indoor unit connectable capacity	Cooling	22.4-67.2	31.2-93.6	33.6-100.8	36.4-109.2	39.2-117.4	42.4-127.2	
Power source		3-phase 4 wire, 400 V, 50Hz						
Capacity	Cooling	44.8	62.4	67.2	72.8	78.3	84.8	
	Heating	50.0	70.0	75.0	81.5	87.5	95.0	
Input power	Cooling	11.02	17.04	16.53	18.75	20.64	22.55	
	Heating	11.44	17.17	17.16	19.27	20.72	22.89	
EER	Cooling	4.07	3.66	4.07	3.88	3.79	3.76	
COP	Heating	4.37	4.08	4.37	4.23	4.22	4.15	
Air flow rate	High	11,100 x 2	13,000 + 11,100	11,100 x 3	11,100 x 3	11,100 x 3	13,000 + 11,000 x 2	
Sound pressure level*2	Cooling	59	61	61	62	62	63	
	Heating	59	62	61	62	63	63	
Maximum external static pressure	Pa	80	80	80	80	80	80	
Compressor motor output	kW	3.9 x 2	3.9 x 2 + 4.5	3.9 x 3	3.9 x 3	3.9 x 3 + 4.5	3.9 x 3 + 4.5	
Heat exchanger fin		Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	
Dimensions	Height	mm	1,690	1,690	1,690	1,690	1,690	
	Width	mm	930 x 2	930 + 1,240	930 x 3	930 x 3	930 x 3	930 x 2 + 1,240
	Depth	mm	765	765	765	765	765	765
Weight	kg	220 + 220	296 + 220	220 + 220 + 220	220 + 220 + 220	275 + 220 + 220	296 + 220 + 220	
Refrigerant charge	kg	11.2 x 2	11.8 + 11.2	11.2 x 3	11.2 x 3	11.8 + 11.2 x 2	11.8 + 11.2 x 2	
Connection pipe diameter	Liquid	mm	12.70	15.88	15.88	15.88	19.05	
	Gas	mm	28.58	34.92	34.92	34.92	34.92	
Operation range	Cooling	°C	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	
	Heating	°C	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	

Rating Capacity range	HP	32	34	36	40	42	44
Model name		AJY288LALHH	AJY306LALHH	AJY324LALHH	AJY360LALHH	AJY378LALHH	AJY396LALHH
Unit 1		AJY108LALH	AJY126LALH	AJY126LALH	AJY126LALH	AJY126LALH	AJY144LALH
Unit 2		AJY108LALH	AJY108LALH	AJY126LALH	AJY126LALH	AJY126LALH	AJY126LALH
Unit 3		AJYA72LALH	AJYA72LALH	AJYA72LALH	AJYA72LALH	AJY126LALH	AJY126LALH
Maximum Connectable Indoor Unit*1		48	48	48	48	48	48
Indoor unit connectable capacity	Cooling	44.7-134.1	48.0-143.8	51.2-153.6	56.8-170.2	60.0-180.0	62.5-187.5
Power source		3-phase 4 wire, 400 V, 50Hz					
Capacity	Cooling	89.4	95.9	102.4	113.5	120.0	125.0
	Heating	100.0	107.5	115.0	127.5	135.0	140.0
Input power	Cooling	24.75	26.66	28.57	32.68	34.59	37.23
	Heating	24.28	26.45	28.62	32.18	34.35	35.50
EER	Cooling	3.61	3.60	3.58	3.47	3.47	3.36
COP	Heating	4.12	4.06	4.02	3.96	3.93	3.94
Air flow rate	High	11,100 x 3	13,000 + 11,100 x 2	13,000 x 2 + 11,100	13,000 x 2 + 11,100	13,000 x 3	13,000 x 3
Sound pressure level*2	Cooling	62	63	64	64	65	65
	Heating	64	64	65	65	66	66
Maximum external static pressure	Pa	80	80	80			

Indoor units lineup

Capacity range (kW)	2.20	2.80	3.60	4.50	5.60		7.10	9.00	11.2	12.5	14.0	18.0	22.4	25.0	
Model code	7	9	12	14	18		24	30	36	45	54	60	72	90	
Compact Cassette	 AUXB07LALH	 AUXB09LALH	 AUXB12LALH	 AUXB14LALH	 AUXB18LALH		 AUXB24LALH								
Cassette					 AUXD18LALH		 AUXD24LALH	 AUXA30LALH	 AUXA36LALH	 AUXA45LALH	 AUXA54LALH				
Compact Duct	 ARXB07LALH	 ARXB09LALH	 ARXB12LALH	 ARXB14LALH	 ARXB18LALH										
Slim Duct NEW	NEW  ARXD07LATH	NEW  ARXD09LATH	NEW  ARXD12LATH	NEW  ARXD14LATH	NEW  ARXD18LATH		NEW  ARXD24LATH								
Low Static Pressure Duct							 ARXB24LATH	 ARXB30LATH	 ARXB36LATH	 ARXB45LATH					
Duct							 ARXA24LATH	 ARXA30LATH	 ARXA36LATH	 ARXA45LATH					
High Static Pressure Duct									 ARXC36LATH	 ARXC45LATH		 ARXC60LATH	 ARXC72LATH	 ARXC90LATH	
Floor / Ceiling			NEW  ABYA12LBTH	NEW  ABYA14LBTH	NEW  ABYA18LBTH		NEW  ABYA24LBTH								
Ceiling								NEW  ABYA30LBTH	NEW  ABYA36LBTH	NEW  ABYA45LBTH	NEW  ABYA54LBTH				
Compact Wall Mounted (EEV internal)	 ASYA07LACH	 ASYA09LACH	 ASYA12LACH	 ASYA14LACH											
Compact Wall Mounted (EEV external)	 ASYE07LACH	 ASYE09LACH	 ASYE12LACH	 ASYE14LACH											
Wall Mounted					NEW  ASYA18LACH		NEW  ASYA24LACH	NEW  ASYA30LACH							

With this model, connection of EV kit is necessary.