

8,10HP : AJY072LALBH / AJY090LALBH
 12,14,16HP : AJY108LALBH / AJY126LALBH / AJY144LALBH / AJY162LALBH



8, 10 HP

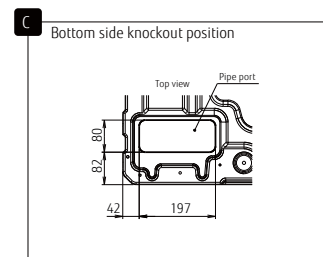
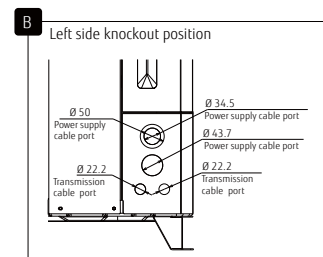
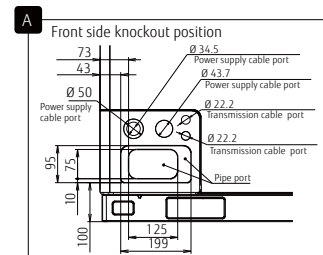
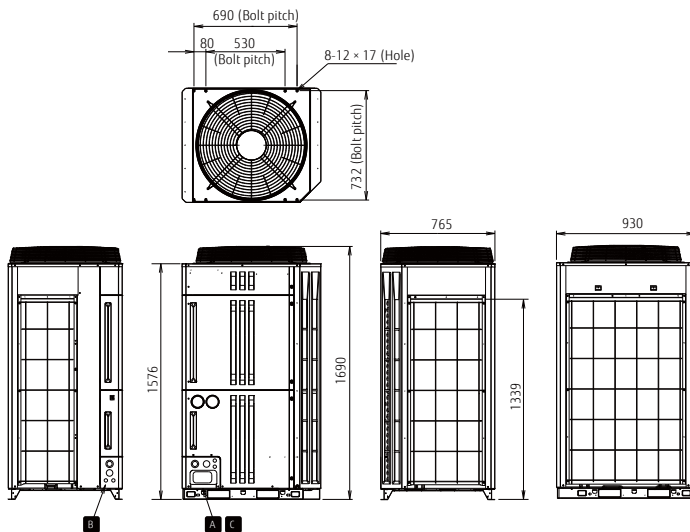


12, 14, 16 HP

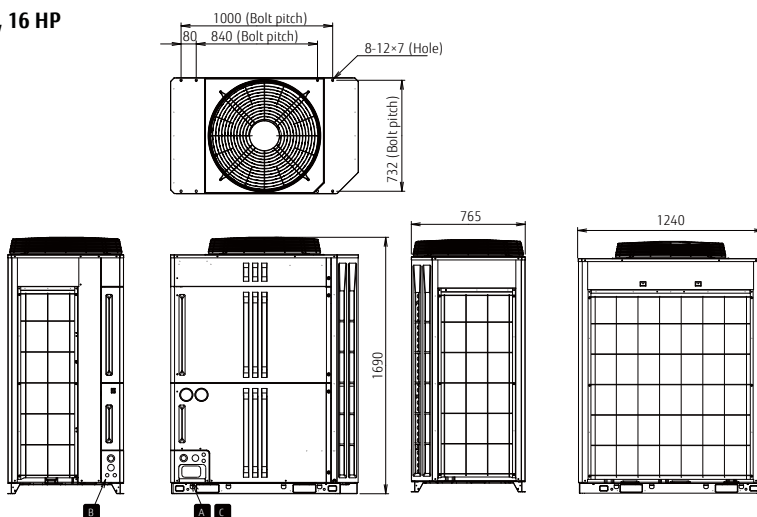
Airstage V-III Range

Dimensions

8, 10 HP







12, 14, 16 HP







Specifications

Space Saving Combination

Rating Capacity range		HP	8	10	12	14	16	18	20	22	24	26	28		
															
Model name			AJY072LALBH	AJY090LALBH	AJY108LALBH	AJY126LALBH	AJY144LALBH	AJY162LALBH	AJY180LALBH	AJY198LALBH	AJY216LALBH	AJY234LALBH	AJY252LALBH		
Unit 1 Unit 2 Unit 3			AJY072LALBH	AJY090LALBH	AJY108LALBH	AJY126LALBH	AJY144LALBH	AJY162LALBH	AJY180LALBH	AJY198LALBH	AJY216LALBH	AJY234LALBH	AJY252LALBH		
Maximum Connectable Indoor Unit**1			17	21	26	30	34	39	43	47	52	56	60		
Indoor unit connectable capacity		Cooling	kW		11.2-33.6	14.0-42.0	16.8-50.2	20.0-60.0	22.5-67.5	25.0-67.5	28.0-84.0	31.2-93.6	34.0-102.0	36.5-109.5	39.0-109.5
Power source		3-phase 4 wire, 400 V, 50Hz													
Capacity	Cooling	kW	22.4	28.0	33.5	40.0	45.0	50.0	56.0	62.4	68.0	73.0	78.0		
	Heating	kW	25.0	31.5	37.5	45.0	50.0	50.0	63.0	70.0	76.5	81.5	81.5		
Input power	Cooling	kW	5.20	7.28	8.96	10.96	13.01	16.56	14.56	16.16	18.24	20.29	23.84		
	Heating	kW	5.17	7.25	8.65	11.17	13.63	13.63	14.50	16.34	18.42	20.88	20.88		
EER	Cooling	W/W	4.31	3.85	3.74	3.65	3.46	3.02	3.85	3.86	3.73	3.60	3.27		
COP	Heating	W/W	4.84	4.35	4.34	4.03	3.67	3.67	4.34	4.28	4.15	3.90	3.90		
Air flow rate	High	m³/h	11,100	11,100	13,000	13,000	13,700	13,700	11,100×2	13,000+11,100	13,000+11,100	13,000+11,100	13,700+11,100		
Sound pressure level*2 / Power Level	Cooling	dB (A)	56 / 77	58 / 79	57 / 78	60 / 81	62 / 83	63 / 84	61 / 82	61 / 82	62 / 83	63 / 84	64 / 85		
	Heating	dB (A)	58 / 80	59 / 81	60 / 83	62 / 84	64 / 86	64 / 86	62 / 84	63 / 85	64 / 86	65 / 87	65 / 87		
Maximum external static pressure	Pa		82	82	82	82	82	82	82	82	82	82	82		
Compressor motor output	kW		7.5	7.5	11.0	11.0	11.0	11.0	7.5×2	11.0+7.5	11.0+7.5	11.0+7.5	11.0+7.5		
Min Recc MCB	AMP		20	25	25	40	40	40	25+25	40+20	40+25	40+25	40+25		
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	930	1,240	1,240	1,240	1,240	930×2	1,240+930	1,240+930	1,240+930	1,240+930		
	Depth	mm	765	765	765	765	765	765	765	765	765	765	765		
Weight	kg		252	252	275	275	275	275	252×2	275+252	275+252	275+252	275+252		
Refrigerant charge	kg		11.7	11.7	11.8	11.8	11.8	11.8	11.7×2	11.8+11.7	11.8+11.7	11.8+11.7	11.8+11.7		
Connection pipe diameter	Liquid	mm	12.70	12.70	12.70	12.70	12.70	15.88	15.88	15.88	15.88	15.88	15.88		
	Gas	mm	22.22	22.22	28.58	28.58	28.58	28.58	28.58	34.92	34.92	34.92	34.92		
Operation range	Cooling	°C	-15 to 46	-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	-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	18	20	24	26	28	30		
											
Model name			AJY144LALBHH	AJY162LALBHH	AJY180LALBHH	AJY216LALBHH	AJY234LALBHH	AJY252LALBHH	AJY270LALBHH		
Unit 1 Unit 2 Unit 3			AJY072LALBH AJY072LALBH	AJY090LALBH AJY072LALBH	AJY108LALBH AJY072LALBH	AJY072LALBH AJY072LALBH AJY072LALBH	AJY090LALBH AJY072LALBH AJY072LALBH	AJY108LALBH AJY072LALBH AJY072LALBH	AJY126LALBH AJY072LALBH AJY072LALBH		
Maximum Connectable Indoor Unit**1			34	39	43	52	56	60	64		
Indoor unit connectable capacity		Cooling	kW		22.4-67.2	25.2-75.6	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, 50Hz									
Capacity	Cooling	kW	44.8	50.4	55.9	67.2	72.8	78.3	84.8		
	Heating	kW	50.0	56.5	62.5	75.0	81.5	87.5	95.0		
Input power	Cooling	kW	10.40	12.48	14.16	15.60	17.68	19.36	21.36		
	Heating	kW	10.34	12.42	13.82	15.51	17.59	18.99	21.51		
EER	Cooling	W/W	4.31	4.04	3.95	4.31	4.12	4.04	3.97		
COP	Heating	W/W	4.84	4.55	4.52	4.84	4.63	4.61	4.42		
Air flow rate	High	m³/h	11,100×2	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)	59 / 80	60 / 81	60 / 81	61 / 82	62 / 83	61 / 82	63 / 84		
	Heating	dB (A)	61 / 83	62 / 84	62 / 85	63 / 85	63 / 85	64 / 86	65 / 87		
Maximum external static pressure	Pa		82	82	82	82	82	82	82		
Compressor motor output	kW		7.5×2	7.5×2	11.0+7.5	7.5×3	7.5×3	11.0+7.5×2	11.0+7.5×2		
Min Recc MCB	AMP		20+20	25+20	25+20	20+20+20	25+20+20	25+20+20	40+20+20		
Dimensions	Height	mm	1,690	1,690	1,690	1,690	1,690	1,690	1,690		
	Width	mm	930×2	930×2	1,240+930	930×3	930×3	1,240+930×2	1,240+930×2		
	Depth	mm	765	765	765	765	765	765	765		
Weight	kg		252×2	252×2	275+252	252×3	252×3	275+252×2	275+252×2		
Refrigerant charge	kg		11.7×2	11.7×2	11.8+11.7	11.7×3	11.7×3	11.8+11.7×2	11.8+11.7×2		
Connection pipe diameter	Liquid	mm	12.70	15.88	15.88	15.88	15.88	15.88	19.05		
	Gas	mm	28.58	28.58	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	-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		

Note : Specifications are based on 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 will be conducted at outdoor air temperature below -5°C, the outdoor unit must be installed in a position that is higher than or equal to those of indoor units.

Specifications

30	32	34	36	38	40	42	44	46	48	50	52	54
												
AJY270LALBH	AJY288LALBH	AJY306LALBH	AJY324LALBH	AJY342LALBH	AJY360LALBH	AJY378LALBH	AJY396LALBH	AJY414LALBH	AJY432LALBH	AJY450LALBH	AJY468LALBH	AJY486LALBH
AJY144LALBH AJY126LALBH	AJY144LALBH AJY144LALBH	AJY162LALBH AJY144LALBH	AJY162LALBH AJY162LALBH	AJY162LALBH AJY090LALBH AJY090LALBH	AJY144LALBH AJY126LALBH AJY090LALBH	AJY144LALBH AJY144LALBH AJY090LALBH	AJY162LALBH AJY144LALBH AJY090LALBH	AJY162LALBH AJY162LALBH AJY090LALBH	AJY144LALBH AJY144LALBH AJY144LALBH	AJY162LALBH AJY144LALBH AJY144LALBH	AJY162LALBH AJY162LALBH AJY144LALBH	AJY162LALBH AJY162LALBH AJY162LALBH
64	64	64	64	64	64	64	64	64	64	64	64	64
42.5-127.5	45.0-135.0	47.5-135.0	50.0-135.0	53.0-151.5	56.5-169.5	59.0-177.0	61.5-177.0	64.0-177.0	67.5-202.5	70.0-202.5	72.5-202.5	75.0-202.5
3-phase 4 wire, 400 V, 50Hz												
85.0	90.0	95.0	100.0	106.0	113.0	118.0	123.0	128.0	135.0	140.0	145.0	150.0
95.0	100.0	100.0	100.0	113.0	126.5	131.5	131.5	131.5	150.0	150.0	150.0	150.0
23.97	26.02	29.57	33.12	31.12	31.25	33.30	36.85	40.40	39.03	42.58	46.13	49.68
24.80	27.26	27.26	27.26	28.13	32.05	34.51	34.51	34.51	40.89	40.89	40.89	40.89
3.55	3.46	3.21	3.02	3.41	3.62	3.54	3.34	3.17	3.46	3.29	3.14	3.02
3.83	3.67	3.67	3.67	4.02	3.95	3.81	3.81	3.81	3.67	3.67	3.67	3.67
13,700+13,000	13,700×2	13,700×2	13,700×2	13,700+11,100×2	13,700+13,000+11,100	13,700×2+11,100	13,700×2+11,100	13,700×2+11,100	13,700×3	13,700×3	13,700×3	13,700×3
64 / 85	65 / 86	66 / 87	66 / 87	65 / 86	65 / 86	66 / 87	66 / 87	67 / 87	67 / 88	67 / 88	67 / 88	68 / 89
66 / 88	67 / 89	67 / 89	67 / 89	66 / 88	67 / 89	68 / 90	68 / 90	68 / 90	69 / 91	69 / 91	69 / 91	69 / 91
82	82	82	82	82	82	82	82	82	82	82	82	82
11.0×2	11.0×2	11.0×2	11.0×2	11.0+7.5×2	11.0×2+7.5	11.0×2+7.5	11.0×2+7.5	11.0×2+7.5	11.0×3	11.0×3	11.0×3	11.0×3
40×40	40×40	40×40	40×40	40+25×25	40+40×25	40+40×25	40+40×25	40+40×25	40+40×40	40+40×40	40+40×40	40+40×40
1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690
1,240×2	1,240×2	1,240×2	1,240×2	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	1,240×3	1,240×3
765	765	765	765	765	765	765	765	765	765	765	765	765
275×2	275×2	275×2	275×2	275+252×2	275×2+252	275×2+252	275×2+252	275×2+252	275×3	275×3	275×3	275×3
11.8×2	11.8×2	11.8×2	11.8×2	11.8+11.7×2	11.8×2+11.7	11.8×2+11.7	11.8×2+11.7	11.8×2+11.7	11.8×3	11.8×3	11.8×3	11.8×3
19.05	19.05	19.05	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	41.27	41.27	41.27	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	-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	-20 to 21

32	34	36	38	40	42	44	46
							
AJY288LALBHH	AJY306LALBHH	AJY324LALBHH	AJY342LALBHH	AJY360LALBHH	AJY378LALBHH	AJY396LALBHH	AJY414LALBHH
AJY108LALBH AJY108LALBH AJY072LALBH	AJY126LALBH AJY108LALBH AJY072LALBH	AJY108LALBH AJY108LALBH AJY108LALBH	AJY126LALBH AJY108LALBH AJY108LALBH	AJY126LALBH AJY126LALBH AJY108LALBH	AJY126LALBH AJY126LALBH AJY126LALBH	AJY144LALBH AJY126LALBH AJY126LALBH	AJY144LALBH AJY144LALBH AJY126LALBH
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	65.0-195.0
3-phase 4 wire, 400 V, 50Hz							
89.4	95.9	100.5	107.0	113.5	120.0	125.0	130.0
100.0	107.5	112.5	120.0	127.5	135.0	140.0	145.0
23.12	25.12	26.88	28.88	30.88	32.88	34.93	36.98
22.47	24.99	25.95	28.47	30.99	33.51	35.97	38.43
3.87	3.82	3.74	3.70	3.68	3.65	3.58	3.52
4.45	4.30	4.34	4.21	4.11	4.03	3.89	3.77
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	13,700×2+13,000
61 / 82	63 / 84	63 / 83	64 / 84	64 / 85	65 / 86	66 / 87	66 / 87
64 / 87	65 / 88	65 / 88	65 / 88	66 / 88	67 / 89	68 / 90	68 / 90
82	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	11.0×3
25+25+20	40+25+20	25+25+25	40+25+25	40+40+25	40+40+40	40+40+40	40+40+40
1,690	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	1,240×3
765	765	765	765	765	765	765	765
275×2+252	275×2+252	275×3	275×3	275×3	275×3	275×3	275×3
11.8×2+11.7	11.8×2+11.7	11.8×3	11.8×3	11.8×3	11.8×3	11.8×3	11.8×3
19.05	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	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
-20 to 21	-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.

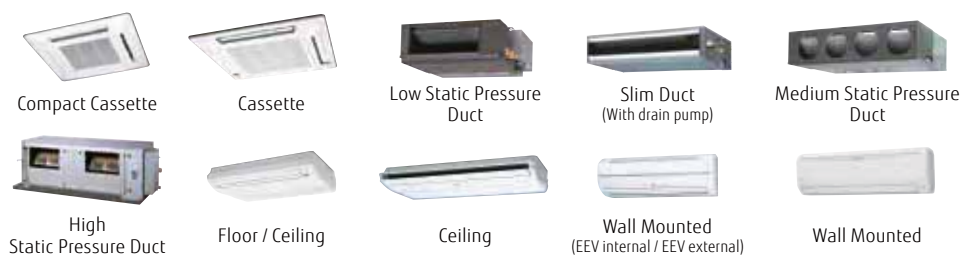
However ARXC72 and ARXC90 can be used signal connection.

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

When measured in the actual installed state, surrounding noise and reflections are received and the measured value is usually larger than the indicated value.

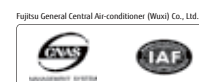
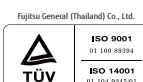
Comprehensive range of indoor units

The VR-II 3 Pipe VRF system can serve up to 64 indoor units with 50-150% connectable indoor unit capacity, providing simultaneous heating and cooling in different rooms within the building. There are 12 different types of indoor unit available with over 55 models ranging from 1.1 to 25kW.



Smart and user-friendly controller

There is a full range of easy-to-use controllers available for all systems, from wireless remote controls to a PC-based control software. The installation can also be linked to a building management system. The touch panel LCD wired controller has a large clear screen for ease of use and allows service engineers to interrogate indoor and outdoor units to diagnose the system.



•Specifications and design are subject to change without notice for further improvement.
 •Actual products' colours may be different from the colours shown in this printed material.

Distributed by :

FUJITSU GENERAL AIR CONDITIONING (UK) LTD
 Unit 150 Centennial Park, Centennial Avenue, Elstree, Herts. WD6 3SG
www.fujitsu-general.com/uk
 Tel: +44 (0)208 731 3450 Fax: +44 (0)208 731 3451
 Copyright© 2016 Fujitsu General Limited. All rights reserved. 3EFNP10-1510E