

8,10,12HP : AJH072GALBH / AJH090GALBH / AJH108GALBH
 14,16HP : AJH126GALBH / AJH144GALBH



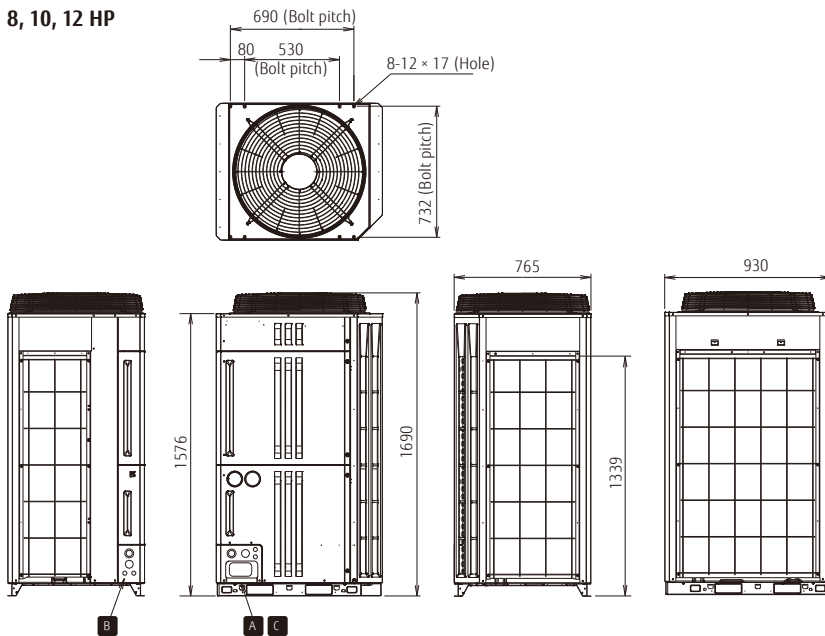
8, 10, 12 HP

14, 16 HP

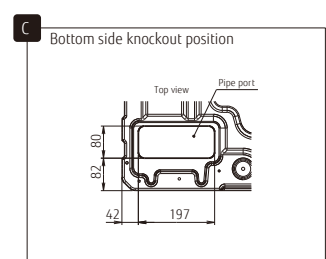
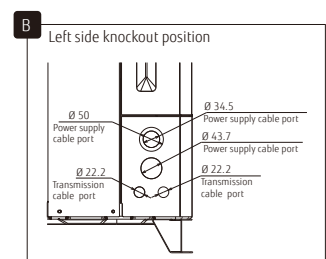
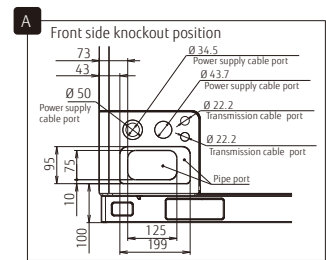
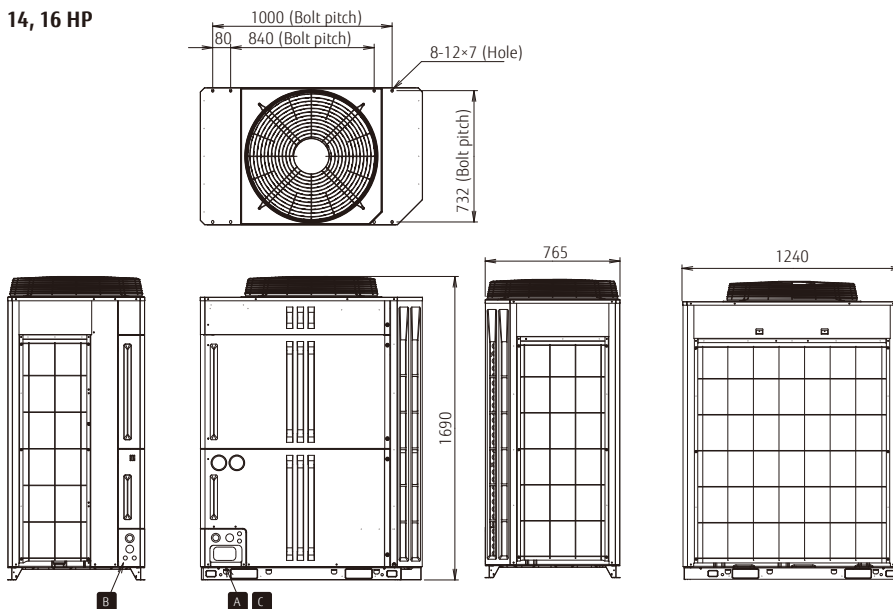
Dimensions

(Unit : mm)

8, 10, 12 HP






14, 16 HP






Outdoor units specifications

Space Saving Combination

Rating Capacity range		HP	8	10	12	14	16	18	20	22	24
											
Set Model name			AJH072GALBH	AJH090GALBH	AJH108GALBH	AJH126GALBH	AJH144GALBH	AJH162GALBH	AJH180GALBH	AJH198GALBH	AJH216GALBH
Unit 1 Unit 2 Unit 3			AJH072GALBH	AJH090GALBH	AJH108GALBH	AJH126GALBH	AJH144GALBH	AJH090GALBH AJH072GALBH	AJH090GALBH AJH090GALBH	AJH108GALBH AJH090GALBH	AJH108GALBH AJH108GALBH
Maximum Connectable Indoor Unit*1			17	21	26	30	34	39	43	47	52
Indoor unit connectable capacity		kW	5.6-33.6	7.0-42.0	8.4-50.2	10.0-60.0	11.3-67.5	12.6-75.6*3	14.0-84.0*3	15.4-92.2*3	16.8-100.5*3
Power source		3 phase 4 wire , 400 V, 50Hz									
Capacity	Cooling	kW	22.4	28.0	33.5	40.0	45.0	50.4	56.0	61.5	67.0
	Nominal Heating		22.4	28.0	33.5	40.0	45.0	-	-	-	-
	Max Heating		25.0	31.5	37.5	45.0	50.0	56.5	63.0	69.0	75.0
Input power	Cooling	kW	5.45	7.11	9.75	11.34	14.42	12.56	14.22	16.86	19.50
	Nominal Heating		4.73	6.00	7.89	8.85	10.54	-	-	-	-
	Max Heating		5.70	7.33	9.62	10.90	12.77	13.03	14.66	16.95	19.24
EER	Cooling	W/W	4.11	3.94	3.44	3.53	3.12	4.01	3.94	3.65	3.44
COP	Nominal Heating		4.74	4.67	4.25	4.52	4.27	-	-	-	-
	Max Heating		4.39	4.30	3.90	4.13	3.92	4.34	4.30	4.07	3.90
Airflow rate		m³/h	11,100	11,100	11,100	13,000	13,000	11,100×2	11,100×2	11,100×2	11,100×2
Sound pressure level*2/ Power level	Cooling	dB(A)	56 / 75	58 / 76	59 / 79	60 / 81	61 / 81	60 / 79	61 / 79	62 / 81	62 / 82
	Heating		58 / 76	59 / 77	62 / 82	62 / 82	62 / 82	62 / 80	62 / 80	63 / 83	64 / 85
Maximum external static pressure		Pa	80	80	80	80	80	80	80	80	80
Compressor motor output		kW	7.5	7.5	7.5	11.0	11.0	7.5×2	7.5×2	7.5×2	7.5×2
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	930	1,240	1,240	930×2	930×2	930×2	930×2
	Depth		765	765	765	765	765	765	765	765	765
Weight		kg	262	262	262	286	286	262×2	262×2	262×2	262×2
Refrigerant	Type (Global Warming Potential)	kg(CO2eq-T)	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		11.8 (24.6)	11.8 (24.6)	11.8 (24.6)	11.8 (24.6)	11.8 (24.6)	11.8×2 (24.6×2)	11.8×2 (24.6×2)	11.8×2 (24.6×2)	11.8×2 (24.6×2)
Connection pipe diameter	Liquid	mm	12.70	12.70	12.70	12.70	12.70	15.88	15.88	15.88	15.88
	Discharge Gas		15.88	19.05	19.05	22.22	22.22	22.22	22.22	28.58	28.58
	Suction Gas		22.22	22.22	28.58	28.58	28.58	28.58	28.58	34.92	34.92
Operation range	Cooling	°CDB	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 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
	Cooling/Heating		-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21

Energy Efficiency Combination

Rating Capacity range		HP	16	22	24	26	28	30	
									
Set Model name			AJH144GALBHH	AJH198GALBHH	AJH216GALBHH	AJH234GALBHH	AJH252GALBHH	AJH270GALBHH	
Unit 1 Unit 2 Unit 3			AJH072GALBH AJH072GALBH	AJH126GALBH AJH072GALBH	AJH072GALBH AJH072GALBH AJH072GALBH	AJH090GALBH AJH072GALBH AJH072GALBH	AJH090GALBH AJH090GALBH AJH072GALBH	AJH090GALBH AJH090GALBH AJH090GALBH	
Maximum Connectable Indoor Unit*1			34	47	52	56	60	64	
Indoor unit connectable capacity		kW	11.2-67.2*3	15.6-93.6*3	16.8-100.8*3	18.2-109.2*3	19.6-117.6*3	21.0-126.0*3	
Power source		3 phase 4 wire , 400 V, 50Hz							
Capacity	Cooling	kW	44.8	62.4	67.2	72.8	78.4	84.0	
	Nominal Heating		-	-	-	-	-	-	
	Max Heating		50.0	70.0	75.0	81.5	88.0	94.5	
Input power	Cooling	kW	10.90	16.79	16.35	18.01	19.67	21.33	
	Nominal Heating		-	-	-	-	-	-	
	Max Heating		11.40	16.60	17.10	18.73	20.36	21.99	
EER	Cooling	W/W	4.11	3.72	4.11	4.04	3.99	3.94	
COP	Nominal Heating		-	-	-	-	-	-	
	Max Heating		4.39	4.22	4.39	4.35	4.32	4.30	
Airflow rate		m³/h	11,100×2	13,000+11,100	11,100×3	11,100×3	11,100×3	11,100×3	
Sound pressure level*2/ Power level	Cooling	dB(A)	59 / 78	61 / 82	61 / 80	62 / 80	62 / 80	63 / 81	
	Heating		61 / 79	63 / 83	63 / 81	63 / 81	63 / 81	64 / 82	
Maximum external static pressure		Pa	80	80	80	80	80	80	
Compressor motor output		kW	7.5×2	11.0+7.5	7.5×3	7.5×3	7.5×3	7.5×3	
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	930×3	930×3	
	Depth		765	765	765	765	765	765	
Weight		kg	262×2	286+262	262×3	262×3	262×3	262×3	
Refrigerant	Type (Global Warming Potential)	kg(CO2eq-T)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	
	Charge		11.8×2 (24.6×2)	11.8×2 (24.6×2)	11.8×3 (24.6×3)	11.8×3 (24.6×3)	11.8×3 (24.6×3)	11.8×3 (24.6×3)	
Connection pipe diameter	Liquid	mm	12.70	15.88	15.88	15.88	15.88	19.05	
	Discharge Gas		22.22	28.58	28.58	28.58	28.58	28.58	
	Suction Gas		28.58	34.92	34.92	34.92	34.92	34.92	
Operation range	Cooling	°CDB	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	
	Heating		-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	
	Cooling/Heating		-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 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.