

Outdoor units specifications

Standard combination

Rating Capacity range		HP	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	
		Btu/hr	72,000	90,000	108,000	126,000	144,000	162,000	180,000	198,000	216,000	234,000	252,000	270,000	288,000	306,000	324,000	342,000	360,000	378,000	396,000	
		Ton	6	7.5	9	10.5	12	13.5	15	16.5	18	19.5	21	22.5	24	25.5	27	28.5	30	31.5	33	
																						
Model name		AJG072JNTAH-U	AJG090JNTAH-U	AJG108JNTAH-U	AJG126JNTAH-U	AJG144JNTAH-U	AJG162JNTAH-U	AJG180JNTAH-U	AJG198JNTAH-U	AJG216JNTAH-U			AJG234JNTAH-U	AJG252JNTAH-U	AJG270JNTAH-U	AJG288JNTAH-U	AJG306JNTAH-U	AJG324JNTAH-U	AJG342JNTAH-U	AJG360JNTAH-U	AJG378JNTAH-U	AJG396JNTAH-U
Unit 1 Unit 2 Unit 3		AJG072JNTAH-U	AJG090JNTAH-U	AJG108JNTAH-U	AJG126JNTAH-U	AJG144JNTAH-U	AJG162JNTAH-U	AJG180JNTAH-U	AJG198JNTAH-U	AJG108JNTAH-U	AJG126JNTAH-U	AJG144JNTAH-U	AJG162JNTAH-U	AJG180JNTAH-U	AJG144JNTAH-U	AJG162JNTAH-U	AJG162JNTAH-U	AJG162JNTAH-U	AJG180JNTAH-U	AJG180JNTAH-U	AJG162JNTAH-U	AJG180JNTAH-U
Maximum Connectable Indoor Unit		15	19	22	27	30	34	38	41	45			50	53	56	61	64	64	64	64	64	
Indoor unit connectable capacity		kW	11.2~33.6	14.0~42.0	16.8~50.3	20.0~60.0	22.5~67.5	25.0~75.0	28.0~84.0	30.8~92.2	33.5~100.5			36.8~110.2	39.3~117.7	41.8~125.2	45.0~135.0	47.5~142.5	50.0~150.0	53.0~159.0	56.0~168.0	58.5~175.5
Power source		3N~380~415 V, 50 Hz / 3N~400 V, 60 Hz																				
Capacity	Cooling(T1)	kW	22.4	28.0	33.5	40.0	45.50	50.0	56.0	61.5	67.0	73.5	78.5	83.5	90.0	95.0	100.0	106.0	112.0	117.0	123.0	
	Btu/h	76,400	95,500	114,300	136,500	153,500	170,600	191,100	209,800	228,600	250,800	267,800	284,900	307,000	324,100	341,200	361,700	382,200	399,200	419,700		
Input power (Outdoor unit)	Cooling(T3)	kW	22.4	28.0	32.4	36.5	39.5	42.8	46.1	60.4	64.8	68.9	71.9	75.2	79.0	82.3	85.6	88.9	92.2	107.6	110.9	
	Btu/h	76,400	95,500	110,500	124,500	134,500	146,000	157,300	206,000	221,000	235,000	245,200	256,500	269,400	280,700	292,000	303,300	314,600	367,000	378,300		
Current (Outdoor unit)	Cooling(T3)	kA	6.64	8.42	10.77	11.18	12.25	13.56	16.03	19.19	21.54	21.95	23.02	24.33	24.50	25.81	27.12	29.59	32.06	35.10	37.57	
Power factor (Outdoor unit)	Cooling(T3)		10.6	13.3	16.9	17.8	19.4	21.3	25.0	30.2	33.8	34.7	36.3	38.2	38.8	40.7	42.6	46.3	50.0	55.1	58.8	
EER (Outdoor Unit)	Cooling(T1)	W/W	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	4.46	4.28	4.24	4.18	3.92	4.11	3.89	3.72	3.44	3.22	3.72	
EER (System)	Cooling(T3)	W/W	3.30	3.25	3.18	3.14	3.08	3.08	3.08	2.94	3.07	3.05	3.02	3.02	3.14	3.11	3.08	2.94	2.82	3.00	2.89	
	Btu/hW	11.26	11.09	10.03	10.85	10.71	10.51	9.62	10.51	10.03	10.48	10.41	10.30	10.71	10.61	10.51	10.03	9.62	10.24	9.86		
CSPF		Btu/hW	19.5	19.6	18.6	18.9	19.1	17.8	16.7	-	-	-	-	-	-	-	-	-	-	-	-	
Air flow rate		m³/h	10,200	10,200	10,200	13,700	13,700	15,500	16,800	10,200 × 2	10,200 × 13,700	10,200 × 13,700	10,200 × 15,500	13,700 × 2	13,700 × 15,500	15,500 × 2	15,500 × 16,800	16,800 × 2	10,200 × 2 + 15,500	10,200 × 2 + 16,800		
Sound pressure level	Cooling	dB(A)	55	55	56	62	63	64	67	59	63	64	64	65	66	67	67	69	70	65	68	
External static pressure (Max)		Pa	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	
Compressor motor output		kW	4.7	4.7	4.7	6.2	6.2	6.2	6.2	4.7 × 2	4.7 × 2	4.7 × 2	4.7 × 2	4.7 × 2	4.7 × 2	4.7 × 2	4.7 × 2	6.2 × 2	6.2 × 2	4.7 × 2 + 6.2	4.7 × 2 + 6.2	
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	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	
Dimensions	Height	mm	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740	
	Width	mm	930	930	930	1,240	1,240	1,240	1,240	1,240	930 × 2	930 × 2	930 × 1,240	930 × 1,240	930 × 1,240	1,240 × 2	1,240 × 2	1,240 × 2	1,240 × 2	1,240 × 2	930 × 2 + 1,240	930 × 2 + 1,240
	Depth	mm	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	
Weight	Type	kg	210	210	210	234	234	234	257	257	210 × 2	210 × 234	210 × 234	210 × 234	210 × 257	234 × 2	234 × 257	257 × 2	257 × 2	210 × 2 + 257	210 × 2 + 257	
	Refrigerant		R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	
Factory charged amount		kg	9.7	9.7	9.7	11.8	11.8	11.8	11.8	9.7 × 2	9.7 × 11.8	9.7 × 11.8	9.7 × 11.8	9.7 × 11.8	11.8 × 2	11.8 × 2	11.8 × 2	11.8 × 2	11.8 × 2	9.7 × 2 + 11.8	9.7 × 2 + 11.8	
Connection pipe diameter	Liquid	mm	9.52	9.52	12.70	12.70	12.70	15.88	15.88	15.88	15.88	15.88	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	
	Gas	mm	19.05	22.22	28.58	28.58	28.58	28.58	28.58	28.58	34.92	34.92	34.92	34.92	34.92	34.92	41.27	41.27	41.27	41.27	41.27	
Operating range		Cooling	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	

Rating capacity range		HP	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80																			
		BTU/hr	414,000	432,000	450,000	468,000	486,000	504,000	522,000	540,000	558,000	576,000	594,000	612,000	630,000	648,000	666,000	684,000	702,000	720,000																			
		Ton	34.5	36	37.5	39	40.5	42.0	44	45	49	48.0	50	51	52.5	54	55.5	57	58.5	60																			
																																							
Model name		AJG414JNTAH-U		AJG432JNTAH-U		AJG450JNTAH-U		AJG468JNTAH-U		AJG486JNTAH-U		AJG504JNTAH-U		AJG522JNTAH-U		AJG540JNTAH-U		AJG558JNTAH-U		AJG576JNTAH-U		AJG594JNTAH-U		AJG612JNTAH-U		AJG630JNTAH-U		AJG648JNTAH-U		AJG666JNTAH-U		AJG684JNTAH-U		AJG702JNTAH-U		AJG720JNTAH-U			
Unit 1		AJG162JNTAH-U		AJG162JNTAH-U		AJG162JNTAH-U		AJG162JNTAH-U		AJG162JNTAH-U		AJG180JNTAH-U		AJG180JNTAH-U		AJG180JNTAH-U		AJG180JNTAH-U		AJG180JNTAH-U		AJG162JNTAH-U		AJG180JNTAH-U		AJG180JNTAH-U		AJG180JNTAH-U		AJG180JNTAH-U		AJG180JNTAH-U		AJG180JNTAH-U					
Unit 2		AJG126JNTAH-U		AJG126JNTAH-U		AJG126JNTAH-U		AJG126JNTAH-U		AJG126JNTAH-U		AJG180JNTAH-U		AJG180JNTAH-U		AJG180JNTAH-U		AJG180JNTAH-U		AJG180JNTAH-U		AJG126JNTAH-U		AJG180JNTAH-U		AJG180JNTAH-U		AJG180JNTAH-U		AJG180JNTAH-U		AJG180JNTAH-U		AJG180JNTAH-U					
Unit 3		AJG126JNTAH-U		AJG126JNTAH-U		AJG126JNTAH-U		AJG126JNTAH-U		AJG126JNTAH-U		AJG180JNTAH-U		AJG180JNTAH-U		AJG180JNTAH-U		AJG180JNTAH-U		AJG180JNTAH-U		AJG126JNTAH-U		AJG180JNTAH-U		AJG180JNTAH-U		AJG180JNTAH-U		AJG180JNTAH-U		AJG180JNTAH-U		AJG180JNTAH-U					
Maximum connectable indoor unit		64		64		64		64		64		64		64		64		64		64		64		64		64		64		64		64		64					
Indoor unit connectable capacity		kW		65.0 ~ 195.0		67.5 ~ 202.5		70.0 ~ 210.0		72.5 ~ 217.5		75.0 ~ 225.0		78.0 ~ 234.0		81.0 ~ 243.0		84.0 ~ 252.0		86.5 ~ 259.5		89.5 ~ 268.5		91.8 ~ 275.2		94.8 ~ 284.2		97.8 ~ 293.2		100.8 ~ 302.2		103.0 ~ 309.0		106.0 ~ 318.0		109.0 ~ 327.0		112.0 ~ 336.0	
Power source		3N ~ 380~415 V, 50 Hz / 3N ~ 400 V, 60 Hz																				3N ~ 380~415 V, 50 Hz / 3N ~ 400 V, 60 Hz																	
Capacity	Cooling(T1)	kW		130.0		135.0		140.0		145.0		150.0		156.0		162.0		168.0		173.0		179.0		183.5		189.5		195.5		201.5		206.0		212.0		218.0		224.0	
	BTU/h			443,600		460,600		477,700		494,700		511,800		528,800		545,800		562,800		579,300		595,800		612,300		628,800		645,300		661,800		678,300		694,800		711,300			
Input power (Outdoor unit)	Cooling(T3)	kW		115.8		118.8		122.1		125.1		128.4		131.7		135.0		138.3		153.7		157.0		160.8		164.1		167.4		170.7		174.5		177.8		181.1		184.4	
	BTU/h			395,000		405,200		416,500		426,700		438,000		449,300		460,600		471,900		524,300		535,600		546,900		558,200		569,500		580,800		592,100		603,400		614,700		626,000	
Current (Outdoor Unit)		kA		35.92		36.99		38.30		39.37		40.68		41.95		43.26		44.59		51.13		53.60		54.45		55.92		56.39		58.86		56.71		59.18		61.65		64.12	
Power factor (Outdoor unit)		A		56.9		58.5		60.4		62.0		63.9		67.6		75.0		80.1		83.8		88.0		84.5		88.2		91.9		88.9		92.6		96.3		100			
EER (Outdoor Unit)		W/W		4.01		3.98		3.85		3.83		3.72		3.52		3.36		3.22		3.32		3.55		3.81		3.64		3.49		3.36		3.57		3.44		3.32			
EER (System)		BTU/hW		3.15		3.13		3.09		3.10		2.99		2.94		2.82		2.67		2.94		2.82		3.05		2.98		2.91		2.84		2.78		2.82		2.86			
CSPF		BTU/hW		10.75		10.68		10.61		10.58		10.51		10.20		9.90		9.62		10.03		9.79		10.41		10.17		9.93		9.69		10.27		10.03		9.83		9.62	
Air flow rate		m³/h		13,700 × 2 + 15,500		13,700 × 2 + 15,500		13,700 + 15,500 × 2		13,700 + 15,500 × 2		15,500 × 3		15,500 × 2 + 16,800		15,500 + 16,800 × 2		16,800 × 3		10,200 × 2 + 15,500 + 16,800		10,200 × 2 + 16,800 × 2		10,200 + 15,500 × 3		10,200 + 15,500 × 2 + 16,800 × 2		10,200 + 15,500 + 16,800 × 2		10,200 + 16,800 × 3		15,500 × 3 + 16,800		15,500 × 2 + 16,800 × 2		15,500 + 16,800 × 3		16,800 × 4	
Sound pressure level		Cooling		dB(A)		68		68		68		68		69		70		71		72		70		69		70		71		72		71		72		72		73	
External static pressure (Max)				Pa		82		82		82		82		82		82		82		82		82		82		82		82		82		82		82		82		82	
Compressor motor output		kW		4.7 × 2 + 6.2		4.7 × 2 + 6.2		4.7 × 2 + 6.2		4.7 × 2 + 6.2		4.7 × 2 + 6.2		4.7 × 2 + 6.2		4.7 × 2 + 6.2		4.7 × 2 + 6.2		4.7 × 2 + 6.2		4.7 × 2 + 6.2		4.7 × 2 + 6.2		4.7 × 2 + 6.2		4.7 × 2 + 6.2		4.7 × 2 + 6.2		4.7 × 2 + 6.2		4.7 × 2 + 6.2		4.7 × 2 + 6.2			
Heat exchanger fin		Height		mm		1740		1740		1740		1740		1740		1740		1740		1740		1740		1740		1740		1740		1740		1740		1740		1740		1740	
Dimensions		Width		mm		1240 × 3		1240 × 3		1240 × 3		1240 × 3		1240 × 3		1240 × 3		1240 × 3		1240 × 3		1240 × 3		1240 × 3		1240 × 3		1240 × 3		1240 × 3		1240 × 3		1240 × 3		1240 × 3		1240 × 3	
		Depth		mm		765		765		765		765		765		765		765		765		765		765		765		765		765		765		765		765		765	
Weight		kg		234 × 2 + 257		234 × 2 + 257		234 × 257 × 2		234 × 257 × 2		257 × 3		257 × 3		257 × 3		257 × 3		257 × 3		257 × 3		210 × 2 + 257 × 2		210 × 2 + 257 × 2		210 + 257 × 3		210 + 257 × 3		210 + 257 × 3		210 + 257 × 3		257 × 4		257 × 4	
Refrigerant		Type		R410A		R410A		R410A		R410A		R410A		R410A		R410A		R410A		R410A		R410A		R410A		R410A		R410A		R410A		R410A		R410A		R410A		R410A	
		Factory charged amount		kg		11.8 × 3		11.8 × 3		11.8 × 3		11.8 × 3		11.8 × 3		11.8 × 3		11.8 × 3		11.8 × 3		11.8 × 3		9.7 × 2 + 11.8 × 2		9.7 × 2 + 11.8 × 2		9.7 + 11.8 × 3		9.7 + 11.8 × 3		9.7 + 11.8 × 3		11.8 × 4		11.8 × 4		11.8 × 4	
Connection pipe diameter		Liquid		mm		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		22.22		22.22		22.22		22.22	
		Gas		mm		41.27		41.27		41.27		41.27		41.27		41.27		41.27		41.27		41.27		41.27		41.27		41.27		41.27		41.27		41.27		41.27		41.27	
Operating range		Cooling		°CDB		10 to 55		10 to 55		10 to 55		10 to 55		10 to 55		10 to 55		10 to 55		10 to 55		10 to 55		10 to 55		10 to 55		10 to 55		10 to 55		10 to 55		10 to 55		10 to 55		10 to 55	

Outdoor units specifications



Energy Efficiency Combinations

Rating Capacity range		HP	16	18	20	24	26	28	30	32	34	36	38	40	42	44	
		Btu/hr	144,000	162,000	180,000	216,000	234,000	252,000	270,000	288,000	306,000	324,000	342,000	360,000	378,000	396,000	
		Ton	12	13.5	15	18	19.5	21	22.5	24	25.5	27	28.5	30	31.5	33	
																	
Model name			AJG144JNTAHH-U	AJG162JNTAHH-U	AJG180JNTAHH-U	AJG216JNTAHH-U	AJG234JNTAHH-U	AJG252JNTAHH-U	AJG270JNTAHH-U	AJG288JNTAHH-U	AJG306JNTAHH-U	AJG324JNTAHH-U	AJG342JNTAHH-U	AJG360JNTAHH-U	AJG378JNTAHH-U	AJG396JNTAHH-U	
Unit 1			AJG072JNTAH-U	AJG090JNTAH-U	AJG090JNTAH-U	AJG072JNTAH-U	AJG090JNTAH-U	AJG108JNTAH-U	AJG108JNTAH-U	AJG108JNTAH-U	AJG108JNTAH-U	AJG126JNTAH-U	AJG126JNTAH-U	AJG126JNTAH-U	AJG126JNTAH-U	AJG144JNTAH-U	
Unit 2			AJG072JNTAH-U	AJG072JNTAH-U	AJG090JNTAH-U	AJG072JNTAH-U	AJG072JNTAH-U	AJG072JNTAH-U	AJG090JNTAH-U	AJG090JNTAH-U	AJG090JNTAH-U	AJG108JNTAH-U	AJG108JNTAH-U	AJG126JNTAH-U	AJG126JNTAH-U	AJG126JNTAH-U	
Unit 3																	
Maximum Connectable Indoor Unit			30	34	38	45	49	53	57	60	64	64	64	64	64	64	
Indoor unit connectable capacity		kW	22.4 - 67.2	25.2 - 75.6	28.0 - 84.0	33.6 - 100.8	36.4 - 109.2	39.2 - 117.4	42.0 - 125.8	44.7 - 134.1	47.5 - 142.5	50.8 - 152.2	53.5 - 160.5	56.8 - 170.2	60.0 - 180.0	62.5 - 187.5	
Power source			3N ~ 380~415 V, 50 Hz / 3N ~ 400 V, 60 Hz														
Capacity	Cooling(T1)	kW	44.8	50.4	56.0	67.2	72.8	78.3	83.9	89.4	95.0	101.5	107.0	113.5	120.0	125.0	
		Btu/h	152,800	171,900	191,000	229,200	248,300	267,100	286,200	305,000	324,100	346,300	365,100	387,300	409,500	426,500	
	Cooling(T3)	kW	44.8	50.4	56.0	67.2	72.8	77.2	82.8	87.2	92.8	96.9	101.3	105.4	109.5	112.5	
		Btu/h	152,800	171,900	191,000	229,200	248,300	263,300	282,400	297,400	316,500	330,500	345,500	359,500	373,500	383,700	
Input power (Outdoor unit)		Cooling(T3)	kW	13.28	15.06	16.84	19.92	21.70	24.05	25.83	29.96	30.37	32.72	33.33	33.54	34.61	
Current (Outdoor Unit)		Cooling(T3)	A	21.2	23.9	26.6	31.8	34.5	38.1	40.8	44.4	47.1	48.0	51.6	52.5	53.4	
Power factor (Outdoor unit)			-	-	-	-	-	-	-	-	-	-	-	-	-	-	
EER (Outdoor Unit)		Cooling(T1)	W/W	5.07	4.86	4.71	5.07	4.92	4.70	4.61	4.45	4.40	4.36	4.25	4.23	4.21	
EER (System)		Cooling(T3)	W/W	3.29	3.27	3.25	3.29	3.28	3.14	3.03	3.03	3.03	3.12	3.03	3.11	3.17	
CSPF		Btu/h/W	11.23	11.16	11.09	11.23	11.19	10.71	10.68	10.34	10.34	10.65	10.34	10.61	10.85	10.82	
Air flow rate		m³/h	10,200 × 2	10,200 × 2	10,200 × 2	10,200 × 3	10,200 × 3	10,200 × 3	10,200 × 3	10,200 × 3	10,200 × 3	10,200 × 2 + 13,700	10,200 × 2 + 13,700	10,200 + 13,700 × 2	13,700 × 3	13,700 × 3	
Sound pressure level		Cooling	dB(A)	58	58	58	60	60	60	60	60	64	64	66	67	67	
External static pressure (Max)		Pa	82	82	82	82	82	82	82	82	82	82	82	82	82	82	
Compressor motor output		kW	4.7 × 2	4.7 × 2	4.7 × 2	4.7 × 3	4.7 × 3	4.7 × 3	4.7 × 3	4.7 × 3	4.7 × 3	4.7 × 3	4.7 × 3	4.7 × 3	4.7 × 3	4.7 × 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	Blue fin	Blue fin	
Dimensions	Height	mm	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740	
	Width	mm	930 × 2	930 × 2	930 × 2	930 × 3	930 × 3	930 × 3	930 × 3	930 × 3	930 × 3	930 × 2 + 1,240	930 × 2 + 1,240	930 + 1,240 × 2	1,240 × 3	1,240 × 3	
	Depth	mm	765	765	765	765	765	765	765	765	765	765	765	765	765	765	
Weight		kg	210 × 2	210 × 2	210 × 2	210 × 3	210 × 3	210 × 3	210 × 3	210 × 3	210 × 3	210 × 2 + 234	210 × 2 + 234	210 + 234 × 2	234 × 3	234 × 3	
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	
	Factory charged amount	kg	9.7 × 2	9.7 × 2	9.7 × 2	9.7 × 3	9.7 × 3	9.7 × 3	9.7 × 3	9.7 × 3	9.7 × 3	9.7 × 2 + 11.8	9.7 × 2 + 11.8	9.7 + 11.8 × 2	11.8 × 3	11.8 × 3	
Connection pipe diameter		Liquid	mm	12.70	15.88	15.88	15.88	15.88	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	
		Gas	mm	28.58	28.58	28.58	34.92	34.92	34.92	34.92	34.92	41.27	41.27	41.27	41.27	41.27	
Operating range		Cooling	°CDB	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	10 to 55	

NOTES:

- Specifications are based on the following conditions:

T1 – Condition : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.

T3 – Condition : Indoor temperature of 29°CDB / 19°CWB, and outdoor temperature of 46°CDB / 24°CWB.

- Specifications and design subject to change without notice for further improvement. Please check with your dealer.

- *1: Sound pressure level:

– Measured values in manufacturer's anechoic chamber.

– Because of the surrounding sound environment, the sound levels measured in actual installation conditions might be higher than the specified values here.