

4. CAPACITY TABLE COOLING (OUTDOOR UNIT)

4-1. SPACE SAVING COMBINATION

■ MODEL : AJ*072LALBH

COOLING CAPACITY

● Capacity : 22.4 kW (8HP)

MODEL SELECTION

MODEL SELECTION

Total rated cooling capacity of indoor unit	Outdoor temperature (°CDB)	Indoor temperature															
		20°CDB / 15°CWB		23°CDB / 16°CWB		24°CDB / 17°CWB		26°CDB / 18°CWB		27°CDB / 19°CWB		28°CDB / 20°CWB		30°CDB / 22°CWB		32°CDB / 23°CWB	
		TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
33.6 (150%)	10	22.2	3.56	25.1	3.98	27.9	4.40	29.0	4.47	29.7	4.46	30.4	4.45	31.8	4.43	32.5	4.41
	15	22.2	3.67	25.1	4.10	27.9	4.54	28.8	4.56	29.5	4.55	30.2	4.54	31.6	4.52	32.3	4.51
	21	22.2	3.88	25.1	4.33	27.7	4.74	28.3	4.73	29.0	4.73	29.7	4.72	31.0	4.74	31.6	4.77
	23	22.2	3.96	25.1	4.43	27.5	4.81	28.1	4.82	28.7	4.85	29.3	4.88	30.5	4.93	31.1	4.95
	25	22.2	4.06	25.1	4.55	27.1	4.97	27.7	5.00	28.3	5.03	28.9	5.06	30.1	5.11	30.7	5.13
	27	22.2	4.17	25.1	4.76	26.7	5.15	27.3	5.18	27.8	5.21	28.4	5.24	29.6	5.29	30.2	5.32
	30	22.2	4.41	25.1	5.23	26.0	5.42	26.6	5.45	27.2	5.48	27.7	5.51	28.9	5.57	29.4	5.60
	33	22.2	4.83	24.8	5.65	25.4	5.69	25.9	5.73	26.5	5.76	27.0	5.80	28.1	5.87	28.7	5.91
	35	22.2	5.14	24.4	5.85	24.9	5.89	25.4	5.93	26.0	5.97	26.5	6.01	27.6	6.09	28.1	6.13
	37	22.2	5.50	23.9	6.05	24.4	6.09	24.9	6.14	25.5	6.18	26.0	6.23	27.1	6.31	27.6	6.35
40	22.2	6.09	23.2	6.35	23.7	6.40	24.2	6.45	24.7	6.50	25.2	6.55	26.3	6.64	26.8	6.68	
43	21.9	6.61	22.4	6.66	22.9	6.72	23.5	6.77	24.0	6.82	24.5	6.87	25.5	6.97	26.0	7.02	
46	21.2	6.91	21.7	6.97	22.2	7.03	22.7	7.09	23.2	7.14	23.7	7.20	24.7	7.31	25.2	7.36	
31.3 (140%)	10	20.7	3.35	23.4	3.74	26.0	4.13	28.5	4.47	29.2	4.47	29.9	4.46	31.3	4.44	32.0	4.42
	15	20.7	3.45	23.4	3.85	26.0	4.25	28.3	4.56	28.9	4.56	29.6	4.55	31.0	4.53	31.7	4.52
	21	20.7	3.64	23.4	4.06	26.0	4.49	27.9	4.74	28.5	4.73	29.2	4.73	30.5	4.72	31.1	4.75
	23	20.7	3.72	23.4	4.16	26.0	4.60	27.7	4.81	28.3	4.83	28.9	4.86	30.1	4.91	30.7	4.93
	25	20.7	3.81	23.4	4.26	26.0	4.72	27.3	4.98	27.9	5.01	28.5	5.04	29.6	5.09	30.2	5.12
	27	20.7	3.92	23.4	4.38	26.0	5.04	26.9	5.16	27.4	5.19	28.0	5.22	29.2	5.28	29.7	5.30
	30	20.7	4.09	23.4	4.74	25.7	5.39	26.2	5.43	26.8	5.46	27.3	5.49	28.5	5.55	29.0	5.58
	33	20.7	4.40	23.4	5.20	25.0	5.66	25.6	5.70	26.1	5.74	26.7	5.78	27.7	5.85	28.3	5.89
	35	20.7	4.67	23.4	5.54	24.6	5.86	25.1	5.91	25.6	5.95	26.2	5.99	27.2	6.07	27.8	6.10
	37	20.7	4.98	23.4	5.93	24.1	6.07	24.6	6.11	25.1	6.16	25.7	6.20	26.7	6.28	27.2	6.32
40	20.7	5.51	22.9	6.33	23.4	6.38	23.9	6.42	24.4	6.47	24.9	6.52	25.9	6.61	26.5	6.65	
43	20.7	6.10	22.2	6.63	22.7	6.69	23.2	6.74	23.7	6.79	24.2	6.84	25.2	6.94	25.7	6.99	
46	20.7	6.75	21.4	6.94	21.9	7.00	22.4	7.06	22.9	7.11	23.4	7.17	24.4	7.27	24.9	7.33	
29.1 (130%)	10	19.2	3.13	21.7	3.49	24.2	3.85	26.7	4.22	28.6	4.47	29.3	4.46	30.6	4.45	31.3	4.43
	15	19.2	3.22	21.7	3.60	24.2	3.97	26.7	4.34	28.4	4.56	29.1	4.56	30.4	4.54	31.1	4.53
	21	19.2	3.40	21.7	3.80	24.2	4.19	26.7	4.59	28.0	4.74	28.7	4.73	30.0	4.72	30.6	4.73
	23	19.2	3.47	21.7	3.88	24.2	4.29	26.7	4.70	27.8	4.81	28.4	4.83	29.6	4.89	30.2	4.91
	25	19.2	3.56	21.7	3.98	24.2	4.40	26.7	4.89	27.4	4.98	28.0	5.01	29.1	5.07	29.7	5.09
	27	19.2	3.66	21.7	4.09	24.2	4.52	26.4	5.13	27.0	5.17	27.6	5.20	28.7	5.25	29.3	5.28
	30	19.2	3.82	21.7	4.27	24.2	4.97	25.8	5.40	26.4	5.44	26.9	5.47	28.0	5.53	28.6	5.56
	33	19.2	4.01	21.7	4.69	24.2	5.45	25.2	5.67	25.7	5.71	26.2	5.75	27.3	5.82	27.8	5.86
	35	19.2	4.23	21.7	4.98	24.2	5.83	24.7	5.88	25.2	5.92	25.8	5.96	26.8	6.04	27.3	6.07
	37	19.2	4.50	21.7	5.32	23.7	6.04	24.3	6.08	24.8	6.12	25.3	6.17	26.3	6.25	26.8	6.29
40	19.2	4.97	21.7	5.89	23.0	6.34	23.5	6.39	24.0	6.44	24.6	6.48	25.6	6.58	26.1	6.62	
43	19.2	5.49	21.7	6.53	22.3	6.65	22.8	6.70	23.3	6.75	23.8	6.81	24.8	6.90	25.3	6.95	
46	19.2	6.07	21.2	6.91	21.6	6.96	22.1	7.02	22.6	7.07	23.1	7.13	24.0	7.24	24.5	7.29	
26.8 (120%)	10	17.8	2.91	20.0	3.25	22.3	3.58	24.6	3.91	26.8	4.25	28.6	4.47	29.9	4.46	30.6	4.45
	15	17.8	3.00	20.0	3.34	22.3	3.69	24.6	4.03	26.8	4.38	28.4	4.56	29.7	4.55	30.4	4.54
	21	17.8	3.16	20.0	3.53	22.3	3.89	24.6	4.26	26.8	4.63	28.0	4.74	29.3	4.73	30.0	4.72
	23	17.8	3.23	20.0	3.61	22.3	3.98	24.6	4.36	26.8	4.73	27.9	4.81	29.0	4.86	29.6	4.89
	25	17.8	3.31	20.0	3.70	22.3	4.08	24.6	4.47	26.8	4.95	27.5	4.99	28.6	5.04	29.1	5.07
	27	17.8	3.40	20.0	3.80	22.3	4.19	24.6	4.63	26.4	5.14	27.0	5.17	28.2	5.23	28.7	5.25
	30	17.8	3.55	20.0	3.97	22.3	4.44	24.6	5.09	25.9	5.41	26.4	5.44	27.5	5.50	28.0	5.53
	33	17.8	3.72	20.0	4.21	22.3	4.87	24.6	5.59	25.3	5.68	25.8	5.72	26.8	5.79	27.3	5.82
	35	17.8	3.86	20.0	4.47	22.3	5.18	24.3	5.84	24.8	5.88	25.3	5.92	26.3	6.00	26.9	6.04
	37	17.8	4.05	20.0	4.75	22.3	5.54	23.8	6.04	24.3	6.09	24.9	6.13	25.9	6.21	26.4	6.26
40	17.8	4.46	20.0	5.26	22.3	6.14	23.2	6.35	23.6	6.40	24.1	6.45	25.1	6.54	25.6	6.58	
43	17.8	4.92	20.0	5.81	22.0	6.61	22.5	6.66	22.9	6.72	23.4	6.77	24.4	6.86	24.9	6.91	
46	17.8	5.43	20.0	6.43	21.3	6.92	21.8	6.98	22.2	7.03	22.7	7.09	23.6	7.19	24.1	7.25	
24.6 (110%)	10	16.3	2.69	18.4	3.00	20.5	3.31	22.6	3.61	24.6	3.92	26.7	4.23	29.2	4.47	29.8	4.46
	15	16.3	2.77	18.4	3.09	20.5	3.41	22.6	3.72	24.6	4.04	26.7	4.36	29.0	4.56	29.6	4.55
	21	16.3	2.92	18.4	3.26	20.5	3.59	22.6	3.93	24.6	4.27	26.7	4.60	28.6	4.73	29.2	4.73
	23	16.3	2.99	18.4	3.33	20.5	3.68	22.6	4.02	24.6	4.36	26.7	4.71	28.4	4.83	28.9	4.86
	25	16.3	3.06	18.4	3.41	20.5	3.77	22.6	4.12	24.6	4.47	26.7	4.91	28.0	5.01	28.5	5.04
	27	16.3	3.14	18.4	3.50	20.5	3.87	22.6	4.23	24.6	4.65	26.5	5.14	27.5	5.19	28.1	5.22
	30	16.3	3.28	18.4	3.66	20.5	4.04	22.6	4.50	24.6	5.10	25.9	5.41	26.9	5.47	27.4	5.50
	33	16.3	3.44	18.4	3.84	20.5	4.32	22.6	4.94	24.6	5.60	25.3	5.68	26.3	5.75	26.8	5.79
	35	16.3	3.56	18.4	3.99	20.5	4.59	22.6	5.25	24.3	5.84	24.8	5.88	25.8	5.96	26.3	6.00
	37	16.3	3.69	18.4	4.23	20.5	4.89	22.6	5.62	23.9	6.05	24.4	6.09	25.4	6.17	25.8	6.21
40	16.3	3.98	18.4	4.66	20.5	5.41	22.6	6.23	23.2	6.36	23.7	6.40	24.6	6.49	25.1	6.54	
43	16.3	4.39	18.4	5.15	20.5	5.99	22.0	6.62	22.5	6.67	23.0	6.72	23.9	6.82	24.4	6.87	
46	16.3	4.84	18.4	5.69	20.5	6.63	21.4	6.93	21.8	6.99	22.3	7.04	23.2	7.14	23.7	7.20	

TC : Total Capacity kW.

IP : Input Power kW (Compressor + Outdoor fan motor).

The data is based on the following conditions. Pipe length : 7.5m , Height difference : 0m.

MODEL : AJ*072LALBH

Capacity : 22.4 kW (8HP)

COOLING CAPACITY

MODEL SELECTION

MODEL SELECTION

Total rated cooling capacity of indoor unit	Outdoor temperature (°CDB)	Indoor temperature															
		20°CDB / 15 °CWB		23°CDB / 16 °CWB		24°CDB / 17 °CWB		26°CDB / 18 °CWB		27°CDB / 19 °CWB		28°CDB / 20 °CWB		30°CDB / 22 °CWB		32°CDB / 23 °CWB	
		TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
22.4 (100%)	10	14.8	2.48	16.7	2.75	18.6	3.03	20.5	3.31	22.4	3.59	24.3	3.87	28.1	4.43	28.9	4.47
	15	14.8	2.55	16.7	2.84	18.6	3.12	20.5	3.41	22.4	3.70	24.3	3.99	28.1	4.56	28.7	4.56
	21	14.8	2.68	16.7	2.99	18.6	3.29	20.5	3.60	22.4	3.91	24.3	4.21	27.7	4.74	28.4	4.73
	23	14.8	2.74	16.7	3.06	18.6	3.37	20.5	3.68	22.4	4.00	24.3	4.31	27.6	4.81	28.2	4.82
	25	14.8	2.81	16.7	3.13	18.6	3.45	20.5	3.77	22.4	4.10	24.3	4.42	27.2	4.98	27.8	5.00
	27	14.8	2.88	16.7	3.21	18.6	3.54	20.5	3.88	22.4	4.21	24.3	4.55	26.8	5.16	27.4	5.19
	30	14.8	3.01	16.7	3.36	18.6	3.70	20.5	4.05	22.4	4.46	24.3	5.00	26.3	5.43	26.8	5.46
	33	14.8	3.15	16.7	3.52	18.6	3.89	20.5	4.34	22.4	4.89	24.3	5.49	25.7	5.71	26.1	5.74
	35	14.8	3.26	16.7	3.64	18.6	4.05	20.5	4.60	22.4	5.20	24.2	5.84	25.2	5.91	25.7	5.95
	37	14.8	3.38	16.7	3.78	18.6	4.30	20.5	4.90	22.4	5.57	23.8	6.04	24.8	6.12	25.2	6.16
	40	14.8	3.59	16.7	4.11	18.6	4.74	20.5	5.42	22.4	6.17	23.1	6.35	24.1	6.44	24.6	6.49
43	14.8	3.89	16.7	4.53	18.6	5.24	20.5	6.00	22.0	6.62	22.5	6.67	23.4	6.76	23.9	6.81	
46	14.8	4.28	16.7	5.00	18.6	5.79	20.5	6.64	21.3	6.93	21.8	6.98	22.7	7.09	23.2	7.14	
20.1 (90%)	10	13.3	2.26	15.0	2.51	16.7	2.76	18.5	3.01	20.1	3.26	21.9	3.51	25.3	4.02	27.0	4.27
	15	13.3	2.32	15.0	2.58	16.7	2.84	18.5	3.10	20.1	3.36	21.9	3.62	25.3	4.14	27.0	4.40
	21	13.3	2.45	15.0	2.72	16.7	3.00	18.5	3.27	20.1	3.55	21.9	3.82	25.3	4.37	27.0	4.65
	23	13.3	2.50	15.0	2.78	16.7	3.06	18.5	3.34	20.1	3.63	21.9	3.91	25.3	4.47	27.0	4.75
	25	13.3	2.56	15.0	2.85	16.7	3.14	18.5	3.43	20.1	3.72	21.9	4.01	25.3	4.58	26.9	4.96
	27	13.3	2.62	15.0	2.92	16.7	3.22	18.5	3.52	20.1	3.82	21.9	4.11	25.3	4.82	26.6	5.14
	30	13.3	2.74	15.0	3.05	16.7	3.36	18.5	3.67	20.1	3.99	21.9	4.31	25.3	5.30	26.0	5.41
	33	13.3	2.87	15.0	3.20	16.7	3.53	18.5	3.86	20.1	4.24	21.9	4.73	24.9	5.66	25.4	5.69
	35	13.3	2.97	15.0	3.31	16.7	3.65	18.5	4.01	20.1	4.50	21.9	5.03	24.5	5.86	25.0	5.90
	37	13.3	3.07	15.0	3.43	16.7	3.79	18.5	4.25	20.1	4.79	21.9	5.38	24.1	6.07	24.6	6.11
	40	13.3	3.26	15.0	3.64	16.7	4.12	18.5	4.69	20.1	5.30	21.9	5.95	23.4	6.38	23.9	6.42
43	13.3	3.49	15.0	3.96	16.7	4.55	18.5	5.18	20.1	5.86	21.9	6.59	22.8	6.70	23.2	6.75	
46	13.3	3.76	15.0	4.36	16.7	5.01	18.5	5.72	20.1	6.48	21.2	6.92	22.1	7.02	22.6	7.07	
17.9 (80%)	10	11.8	2.04	13.4	2.26	14.9	2.49	16.4	2.71	17.9	2.93	19.4	3.16	22.5	3.60	24.0	3.83
	15	11.8	2.10	13.4	2.33	14.9	2.56	16.4	2.79	17.9	3.02	19.4	3.25	22.5	3.71	24.0	3.94
	21	11.8	2.21	13.4	2.45	14.9	2.70	16.4	2.94	17.9	3.18	19.4	3.43	22.5	3.92	24.0	4.16
	23	11.8	2.25	13.4	2.50	14.9	2.76	16.4	3.01	17.9	3.26	19.4	3.51	22.5	4.01	24.0	4.26
	25	11.8	2.31	13.4	2.56	14.9	2.82	16.4	3.08	17.9	3.34	19.4	3.59	22.5	4.11	24.0	4.37
	27	11.8	2.37	13.4	2.63	14.9	2.90	16.4	3.16	17.9	3.43	19.4	3.69	22.5	4.22	24.0	4.49
	30	11.8	2.47	13.4	2.74	14.9	3.02	16.4	3.30	17.9	3.58	19.4	3.86	22.5	4.48	24.0	4.91
	33	11.8	2.58	13.4	2.88	14.9	3.17	16.4	3.46	17.9	3.75	19.4	4.05	22.5	4.92	24.0	5.39
	35	11.8	2.67	13.4	2.97	14.9	3.28	16.4	3.58	17.9	3.89	19.4	4.29	22.5	5.23	24.0	5.76
	37	11.8	2.77	13.4	3.08	14.9	3.40	16.4	3.71	17.9	4.10	19.4	4.55	22.5	5.60	23.7	6.04
	40	11.8	2.93	13.4	3.27	14.9	3.60	16.4	4.01	17.9	4.51	19.4	5.04	22.5	6.20	23.1	6.35
43	11.8	3.13	13.4	3.50	14.9	3.91	16.4	4.43	17.9	4.98	19.4	5.57	22.1	6.62	22.5	6.67	
46	11.8	3.37	13.4	3.77	14.9	4.31	16.4	4.88	17.9	5.50	19.4	6.15	21.4	6.94	21.9	6.99	
15.6 (70%)	10	10.4	1.82	11.7	2.02	13.0	2.21	14.4	2.41	15.6	2.60	17.0	2.80	19.7	3.19	21.0	3.39
	15	10.4	1.87	11.7	2.07	13.0	2.28	14.4	2.48	15.6	2.68	17.0	2.88	19.7	3.28	21.0	3.49
	21	10.4	1.97	11.7	2.18	13.0	2.40	14.4	2.61	15.6	2.82	17.0	3.04	19.7	3.47	21.0	3.68
	23	10.4	2.01	11.7	2.23	13.0	2.45	14.4	2.67	15.6	2.89	17.0	3.11	19.7	3.54	21.0	3.76
	25	10.4	2.06	11.7	2.28	13.0	2.51	14.4	2.73	15.6	2.96	17.0	3.18	19.7	3.63	21.0	3.86
	27	10.4	2.11	11.7	2.34	13.0	2.57	14.4	2.80	15.6	3.03	17.0	3.27	19.7	3.73	21.0	3.96
	30	10.4	2.20	11.7	2.44	13.0	2.68	14.4	2.93	15.6	3.17	17.0	3.41	19.7	3.90	21.0	4.14
	33	10.4	2.30	11.7	2.55	13.0	2.81	14.4	3.07	15.6	3.32	17.0	3.58	19.7	4.10	21.0	4.48
	35	10.4	2.37	11.7	2.64	13.0	2.91	14.4	3.17	15.6	3.44	17.0	3.70	19.7	4.36	21.0	4.76
	37	10.4	2.46	11.7	2.73	13.0	3.01	14.4	3.29	15.6	3.56	17.0	3.84	19.7	4.63	21.0	5.07
	40	10.4	2.60	11.7	2.90	13.0	3.19	14.4	3.49	15.6	3.79	17.0	4.21	19.7	5.12	21.0	5.61
43	10.4	2.78	11.7	3.10	13.0	3.42	14.4	3.74	15.6	4.18	17.0	4.64	19.7	5.66	21.0	6.21	
46	10.4	2.99	11.7	3.33	13.0	3.68	14.4	4.11	15.6	4.60	17.0	5.12	19.7	6.26	21.0	6.88	
13.4 (60%)	10	8.9	1.61	10.0	1.77	11.2	1.94	12.3	2.11	13.4	2.27	14.6	2.44	16.9	2.78	18.0	2.94
	15	8.9	1.65	10.0	1.82	11.2	1.99	12.3	2.17	13.4	2.34	14.6	2.51	16.9	2.86	18.0	3.03
	21	8.9	1.73	10.0	1.91	11.2	2.10	12.3	2.28	13.4	2.46	14.6	2.65	16.9	3.01	18.0	3.20
	23	8.9	1.77	10.0	1.95	11.2	2.14	12.3	2.33	13.4	2.52	14.6	2.70	16.9	3.08	18.0	3.27
	25	8.9	1.81	10.0	2.00	11.2	2.19	12.3	2.38	13.4	2.58	14.6	2.77	16.9	3.16	18.0	3.35
	27	8.9	1.85	10.0	2.05	11.2	2.25	12.3	2.45	13.4	2.64	14.6	2.84	16.9	3.24	18.0	3.44
	30	8.9	1.93	10.0	2.13	11.2	2.34	12.3	2.55	13.4	2.76	14.6	2.97	16.9	3.38	18.0	3.59
	33	8.9	2.01	10.0	2.23	11.2	2.45	12.3	2.67	13.4	2.89	14.6	3.11	16.9	3.55	18.0	3.77
	35	8.9	2.08	10.0	2.31	11.2	2.53	12.3	2.76	13.4	2.99	14.6	3.22	16.9	3.67	18.0	3.90
	37	8.9	2.15	10.0	2.39	11.2	2.62	12.3	2.86	13.4	3.10	14.6	3.33	16.9	3.81	18.0	4.12
	40	8.9	2.27	10.0	2.53	11.2	2.78	12.3	3.03	13.4	3.28	14.6	3.54	16.9	4.16	18.0	4.53
43	8.9	2.43	10.0	2.70	11.2	2.97	12.3	3.24	13.4	3.52	14.6	3.81	16.9	4.59	18.0	5.01	
46	8.9	2.60	10.0	2.90	11.2	3.19	12.3	3.49	13.4	3.80	14.6	4.20	16.9	5.06	18.0	5.53	
11.2 (50%)	10	7.4	1.39	8.4	1.53	9.3	1.67	10.3	1.81	11.2	1.95	12.1	2.09	14.0	2.36	15.0	2.50
	15	7.4	1.42	8.4	1.57	9.3	1.71	10.3	1.86	11.2	2.00	12.1	2.14	14.0	2.43	15.0	2.58
	21	7.4	1.49	8.4	1.64	9.3	1.80	10.3	1.95	11.2	2.10	12.1	2.26	14.0	2.56	15.0	2.71
	23	7.4	1.52	8.4	1.68	9.3	1.83	10.3	1.99	11.2	2.15	12.1	2.30	14.0	2.62	15.0	2.77
	25	7.4	1.55	8.4	1.72	9.3	1.88	10.3	2.04	11.2	2.20	12.1	2.36	14.0	2.68	15.0	2.84
	27	7.4	1.59	8.4	1.76	9.3	1.92	10.3	2.09	11.2	2.25	12.1	2.42	14.0	2.75	15.0	2.92
	30	7.4	1.65	8.4	1.83	9.3	2.00	10.3	2.17	11.2	2.35	12.1	2.52	14.0	2.87	15.0	3.04
	33	7.4	1.73	8.4	1.91	9.3	2.09	10.3	2.28	11.2	2.46	12.1	2.64	14.0	3.01	15.0	3.19
	35	7.4	1.78	8.4	1.97	9.3	2.16	10.3	2.35	11.2	2.54	12.1	2.73	14.0	3.11	15.0	3.30
	37	7.4	1.84	8.4	2.04	9.3	2.24	10.3	2.43	11.2	2.63	12.1	2.83	14.0	3.22	15.0	3.42
	40	7.4	1.94	8.4	2.1												