

4. Cooling capacity table (Outdoor unit)

- TC: Total capacity (kW)
- IP: Input power of compressor and outdoor fan motor (kW)
- The data is based on the following conditions:
 - Pipe length: 7.5 m
 - Height difference: 0 m

4-1. Stand-alone

■ Model: AJ*072GALBH

Cooling capacity at rated condition: 22.4 kW (8HP)																	
Total rated capacity of indoor unit	Outdoor temperature	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	
	°CDB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
33.6 (150%)	10	24.9	4.20	26.5	4.40	27.1	4.40	27.8	4.40	28.3	4.41	29.0	4.40	30.4	4.37	31.1	4.35
	15	24.9	4.32	26.3	4.49	26.9	4.49	27.6	4.49	28.1	4.50	28.8	4.49	30.2	4.47	30.8	4.45
	21	24.9	4.56	25.9	4.65	26.6	4.65	27.2	4.65	27.7	4.68	28.4	4.67	29.7	4.64	30.4	4.63
	23	24.9	4.66	25.8	4.72	26.4	4.72	27.1	4.72	27.5	4.75	28.2	4.74	29.4	4.78	30.0	4.80
	25	24.9	4.77	25.6	4.79	26.2	4.80	26.8	4.84	27.2	4.89	27.8	4.92	28.9	4.96	29.5	4.98
	27	24.7	4.91	25.3	4.94	25.8	4.98	26.4	5.01	26.8	5.07	27.3	5.10	28.5	5.15	29.0	5.17
	30	24.2	5.16	24.7	5.20	25.3	5.24	25.8	5.27	26.1	5.35	26.7	5.37	27.8	5.42	28.3	5.45
	33	23.6	5.42	24.1	5.46	24.7	5.50	25.2	5.53	25.4	5.62	26.0	5.65	27.0	5.71	27.6	5.74
	35	23.2	5.59	23.7	5.64	24.2	5.68	24.8	5.72	25.0	5.82	25.5	5.86	26.5	5.93	27.1	5.96
	37	22.8	5.78	23.3	5.83	23.8	5.88	24.3	5.92	24.5	6.03	25.0	6.07	26.0	6.15	26.5	6.18
	40	22.1	6.07	22.6	6.12	23.1	6.17	23.6	6.22	23.8	6.35	24.3	6.39	25.3	6.48	25.8	6.52
	43	21.5	6.36	22.0	6.42	22.4	6.47	22.9	6.52	23.0	6.67	23.5	6.72	24.5	6.81	25.0	6.85
	46	20.8	6.66	21.3	6.71	21.7	6.77	22.2	6.83	22.3	6.99	22.8	7.04	23.7	7.14	24.2	7.19
	31.3 (140%)	10	23.3	3.94	25.3	4.26	26.6	4.40	27.2	4.40	27.9	4.41	28.5	4.40	29.9	4.38	30.6
15		23.3	4.05	25.3	4.38	26.4	4.49	27.0	4.49	27.7	4.51	28.3	4.50	29.6	4.48	30.3	4.46
21		23.3	4.27	25.3	4.62	26.0	4.65	26.6	4.65	27.3	4.68	27.9	4.67	29.2	4.65	29.9	4.64
23		23.3	4.37	25.3	4.71	25.9	4.72	26.5	4.72	27.1	4.75	27.7	4.75	29.0	4.76	29.5	4.79
25		23.3	4.48	25.1	4.79	25.7	4.79	26.3	4.81	26.8	4.88	27.4	4.90	28.5	4.95	29.1	4.97
27		23.3	4.59	24.8	4.91	25.4	4.95	25.9	4.98	26.4	5.06	26.9	5.08	28.1	5.13	28.6	5.15
30		23.3	4.95	24.3	5.17	24.8	5.21	25.4	5.24	25.8	5.33	26.3	5.35	27.4	5.41	27.9	5.43
33		23.2	5.39	23.7	5.43	24.2	5.47	24.8	5.50	25.1	5.60	25.6	5.63	26.7	5.69	27.2	5.72
35		22.8	5.56	23.3	5.60	23.8	5.65	24.4	5.69	24.6	5.80	25.2	5.84	26.2	5.91	26.7	5.94
37		22.4	5.75	22.9	5.80	23.4	5.84	23.9	5.89	24.2	6.01	24.7	6.05	25.7	6.12	26.2	6.16
40		21.8	6.04	22.3	6.09	22.8	6.14	23.2	6.18	23.5	6.32	24.0	6.37	25.0	6.45	25.5	6.49
43		21.1	6.33	21.6	6.38	22.1	6.43	22.6	6.48	22.7	6.64	23.2	6.69	24.2	6.78	24.7	6.83
46		20.5	6.62	20.9	6.67	21.4	6.73	21.9	6.79	22.0	6.96	22.5	7.01	23.4	7.11	23.9	7.16
29.1 (130%)		10	21.6	3.68	23.5	3.97	25.4	4.27	26.5	4.40	27.3	4.42	28.0	4.41	29.3	4.39	30.0
	15	21.6	3.79	23.5	4.09	25.4	4.39	26.4	4.49	27.1	4.51	27.8	4.51	29.1	4.49	29.7	4.47
	21	21.6	3.99	23.5	4.31	25.4	4.63	26.0	4.65	26.8	4.68	27.4	4.68	28.7	4.66	29.3	4.65
	23	21.6	4.08	23.5	4.41	25.3	4.71	25.9	4.72	26.6	4.76	27.2	4.75	28.5	4.75	29.0	4.77
	25	21.6	4.18	23.5	4.51	25.1	4.79	25.7	4.79	26.4	4.85	26.9	4.88	28.0	4.93	28.6	4.95
	27	21.6	4.29	23.5	4.63	24.9	4.91	25.4	4.95	26.0	5.03	26.5	5.06	27.6	5.11	28.2	5.14
	30	21.6	4.48	23.5	5.01	24.3	5.17	24.8	5.21	25.4	5.31	25.9	5.33	27.0	5.39	27.5	5.41
	33	21.6	4.89	23.3	5.39	23.8	5.43	24.3	5.47	24.7	5.58	25.2	5.61	26.3	5.67	26.8	5.70
	35	21.6	5.18	22.9	5.57	23.4	5.61	23.9	5.65	24.3	5.77	24.8	5.81	25.8	5.88	26.3	5.91
	37	21.6	5.53	22.5	5.76	23.0	5.80	23.5	5.85	23.8	5.98	24.3	6.02	25.3	6.10	25.8	6.13
	40	21.4	6.00	21.9	6.04	22.3	6.09	22.8	6.14	23.1	6.29	23.6	6.34	24.6	6.42	25.1	6.46
	43	20.8	6.28	21.2	6.34	21.7	6.39	22.2	6.44	22.4	6.61	22.9	6.66	23.9	6.75	24.3	6.79
	46	20.1	6.57	20.6	6.63	21.0	6.69	21.5	6.74	21.7	6.93	22.2	6.98	23.1	7.08	23.6	7.13
	26.8 (120%)	10	19.9	3.42	21.7	3.69	23.4	3.96	25.1	4.23	26.8	4.43	27.4	4.42	28.7	4.40	29.3
15		19.9	3.52	21.7	3.80	23.4	4.08	25.1	4.36	26.6	4.52	27.2	4.51	28.5	4.50	29.1	4.49
21		19.9	3.71	21.7	4.00	23.4	4.30	25.1	4.60	26.2	4.69	26.8	4.68	28.1	4.67	28.7	4.66
23		19.9	3.79	21.7	4.09	23.4	4.39	25.1	4.70	26.0	4.76	26.7	4.76	27.9	4.74	28.5	4.75
25		19.9	3.88	21.7	4.19	23.4	4.50	25.1	4.79	25.9	4.84	26.4	4.86	27.5	4.91	28.1	4.93
27		19.9	3.98	21.7	4.30	23.4	4.62	24.8	4.91	25.5	5.01	26.0	5.04	27.1	5.09	27.6	5.11
30		19.9	4.15	21.7	4.49	23.4	4.99	24.3	5.17	24.9	5.28	25.4	5.31	26.5	5.36	27.0	5.39
33		19.9	4.39	21.7	4.91	23.2	5.39	23.7	5.43	24.3	5.55	24.8	5.58	25.8	5.64	26.3	5.67
35		19.9	4.65	21.7	5.21	22.9	5.57	23.4	5.61	23.9	5.74	24.4	5.78	25.4	5.85	25.9	5.89
37		19.9	4.94	21.7	5.56	22.5	5.76	23.0	5.80	23.4	5.95	23.9	5.99	24.9	6.06	25.4	6.10
40		19.9	5.46	21.4	6.00	21.9	6.05	22.3	6.09	22.8	6.26	23.2	6.30	24.2	6.39	24.7	6.43
43		19.9	6.03	20.8	6.29	21.2	6.34	21.7	6.39	22.1	6.58	22.5	6.62	23.5	6.71	24.0	6.76
46		19.7	6.52	20.2	6.58	20.6	6.64	21.1	6.69	21.4	6.89	21.8	6.94	22.8	7.04	23.2	7.09
24.6 (110%)		10	18.3	3.16	19.9	3.41	21.5	3.66	23.0	3.91	24.6	4.11	26.7	4.43	28.0	4.41	28.6
	15	18.3	3.25	19.9	3.51	21.5	3.76	23.0	4.02	24.6	4.23	26.5	4.52	27.8	4.51	28.4	4.50
	21	18.3	3.42	19.9	3.69	21.5	3.97	23.0	4.24	24.6	4.47	26.2	4.69	27.4	4.68	28.0	4.67
	23	18.3	3.50	19.9	3.78	21.5	4.05	23.0	4.33	24.6	4.57	26.0	4.76	27.2	4.75	27.8	4.75
	25	18.3	3.58	19.9	3.87	21.5	4.15	23.0	4.44	24.6	4.69	25.9	4.84	26.9	4.88	27.5	4.90
	27	18.3	3.67	19.9	3.97	21.5	4.26	23.0	4.55	24.6	4.86	25.5	5.01	26.5	5.06	27.1	5.09
	30	18.3	3.83	19.9	4.14	21.5	4.45	23.0	4.88	24.4	5.25	24.9	5.28	25.9	5.34	26.4	5.36
	33	18.3	4.02	19.9	4.37	21.5	4.84	23.0	5.34	23.8	5.52	24.3	5.55	25.3	5.61	25.8	5.64
	35	18.3	4.16	19.9	4.63	21.5	5.14	22.8	5.56	23.4	5.71	23.9	5.75	24.9	5.82	25.4	5.85
	37	18.3	4.41	19.9	4.92	21.5	5.48	22.4	5.75	23.0	5.91	23.5	5.95	24.4	6.03	24.9	6.07
	40	18.3	4.84	19.9	5.43	21.3	5.99	21.8	6.04	22.3	6.22	22.8	6.27	23.7	6.35	24.2	6.39
	43	18.3	5.34	19.9	5.99	20.7	6.28	21.2	6.33	21.7	6.53	22.1	6.58	23.0	6.67	23.5	6.72
	46	18.3	5.89	19.7	6.52	20.1	6.58	20.6	6.63	21.0	6.85	21.4	6.90	22.3	7.00	22.8	7.05

Cooling capacity at rated condition: 22.4 kW (8HP)

Total rated capacity of indoor unit	Outdoor temperature	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	
	°CDB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
22.4 (100%)	10	16.6	2.90	18.1	3.13	19.5	3.35	21.0	3.58	22.4	3.76	24.3	4.05	27.2	4.42	27.8	4.42
	15	16.6	2.98	18.1	3.22	19.5	3.45	21.0	3.68	22.4	3.87	24.3	4.18	27.0	4.51	27.6	4.51
	21	16.6	3.14	18.1	3.39	19.5	3.63	21.0	3.88	22.4	4.09	24.3	4.41	26.6	4.69	27.2	4.68
	23	16.6	3.21	18.1	3.46	19.5	3.71	21.0	3.96	22.4	4.18	24.3	4.51	26.5	4.76	27.0	4.75
	25	16.6	3.28	18.1	3.54	19.5	3.80	21.0	4.06	22.4	4.29	24.3	4.63	26.3	4.85	26.8	4.87
	27	16.6	3.37	18.1	3.63	19.5	3.90	21.0	4.17	22.4	4.41	24.3	4.77	25.9	5.03	26.4	5.06
	30	16.6	3.51	18.1	3.79	19.5	4.07	21.0	4.35	22.4	4.67	24.3	5.24	25.3	5.30	25.8	5.33
	33	16.6	3.68	18.1	3.97	19.5	4.27	21.0	4.69	22.4	5.12	23.7	5.52	24.7	5.58	25.2	5.61
	35	16.6	3.80	18.1	4.11	19.5	4.52	21.0	4.97	22.4	5.45	23.4	5.70	24.3	5.78	24.8	5.81
	37	16.6	3.94	18.1	4.34	19.5	4.80	21.0	5.30	22.4	5.84	22.9	5.91	23.9	5.99	24.3	6.02
	40	16.6	4.27	18.1	4.77	19.5	5.29	21.0	5.85	21.8	6.18	22.3	6.22	23.2	6.30	23.7	6.34
	43	16.6	4.70	18.1	5.26	19.5	5.84	20.6	6.27	21.2	6.49	21.7	6.53	22.6	6.62	23.0	6.67
	46	16.6	5.18	18.1	5.80	19.5	6.45	20.0	6.56	20.6	6.80	21.0	6.85	21.9	6.95	22.3	7.00
20.2 (90%)	10	15.0	2.64	16.3	2.84	17.6	3.05	18.9	3.25	20.2	3.41	21.9	3.68	25.3	4.21	26.8	4.43
	15	15.0	2.71	16.3	2.92	17.6	3.13	18.9	3.34	20.2	3.52	21.9	3.79	25.3	4.33	26.6	4.52
	21	15.0	2.86	16.3	3.08	17.6	3.30	18.9	3.52	20.2	3.71	21.9	4.00	25.3	4.58	26.3	4.69
	23	15.0	2.92	16.3	3.14	17.6	3.37	18.9	3.60	20.2	3.80	21.9	4.09	25.3	4.68	26.1	4.76
	25	15.0	2.98	16.3	3.22	17.6	3.45	18.9	3.68	20.2	3.89	21.9	4.19	25.3	4.80	26.0	4.84
	27	15.0	3.06	16.3	3.30	17.6	3.54	18.9	3.78	20.2	4.00	21.9	4.31	25.1	4.99	25.6	5.02
	30	15.0	3.19	16.3	3.44	17.6	3.69	18.9	3.94	20.2	4.18	21.9	4.52	24.6	5.26	25.1	5.29
	33	15.0	3.34	16.3	3.61	17.6	3.87	18.9	4.13	20.2	4.44	21.9	4.96	24.0	5.53	24.5	5.56
	35	15.0	3.45	16.3	3.73	17.6	4.00	18.9	4.33	20.2	4.72	21.9	5.27	23.6	5.73	24.1	5.76
	37	15.0	3.58	16.3	3.86	17.6	4.18	18.9	4.59	20.2	5.02	21.9	5.64	23.2	5.93	23.7	5.97
	40	15.0	3.79	16.3	4.15	17.6	4.59	18.9	5.05	20.2	5.56	21.7	6.16	22.6	6.25	23.1	6.29
	43	15.0	4.11	16.3	4.57	17.6	5.06	18.9	5.57	20.2	6.15	21.1	6.48	22.0	6.57	22.4	6.61
	46	15.0	4.52	16.3	5.03	17.6	5.58	18.9	6.15	20.0	6.74	20.5	6.79	21.3	6.89	21.8	6.93
17.9 (80%)	10	13.3	2.38	14.5	2.56	15.6	2.74	16.8	2.92	17.9	3.07	19.4	3.30	22.5	3.77	24.0	4.01
	15	13.3	2.45	14.5	2.63	15.6	2.82	16.8	3.01	17.9	3.16	19.4	3.40	22.5	3.88	24.0	4.13
	21	13.3	2.57	14.5	2.77	15.6	2.97	16.8	3.16	17.9	3.33	19.4	3.59	22.5	4.10	24.0	4.36
	23	13.3	2.63	14.5	2.83	15.6	3.03	16.8	3.23	17.9	3.41	19.4	3.67	22.5	4.20	24.0	4.46
	25	13.3	2.69	14.5	2.89	15.6	3.10	16.8	3.31	17.9	3.49	19.4	3.76	22.5	4.30	24.0	4.57
	27	13.3	2.75	14.5	2.97	15.6	3.18	16.8	3.39	17.9	3.58	19.4	3.86	22.5	4.42	24.0	4.70
	30	13.3	2.87	14.5	3.09	15.6	3.32	16.8	3.54	17.9	3.75	19.4	4.04	22.5	4.69	24.0	5.15
	33	13.3	3.00	14.5	3.24	15.6	3.47	16.8	3.71	17.9	3.93	19.4	4.24	22.5	5.15	23.7	5.51
	35	13.3	3.10	14.5	3.35	15.6	3.59	16.8	3.83	17.9	4.07	19.4	4.49	22.5	5.48	23.3	5.70
	37	13.3	3.21	14.5	3.47	15.6	3.72	16.8	3.97	17.9	4.29	19.4	4.77	22.5	5.87	22.9	5.91
	40	13.3	3.40	14.5	3.67	15.6	3.94	16.8	4.32	17.9	4.72	19.4	5.28	21.9	6.18	22.3	6.22
	43	13.3	3.64	14.5	3.94	15.6	4.34	16.8	4.76	17.9	5.22	19.4	5.84	21.3	6.50	21.7	6.54
	46	13.3	3.91	14.5	4.33	15.6	4.77	16.8	5.24	17.9	5.77	19.4	6.46	20.7	6.81	21.1	6.86
15.7 (70%)	10	11.6	2.12	12.6	2.28	13.7	2.44	14.7	2.60	15.7	2.72	17.0	2.93	19.7	3.34	21.0	3.54
	15	11.6	2.18	12.6	2.34	13.7	2.50	14.7	2.67	15.7	2.80	17.0	3.01	19.7	3.44	21.0	3.65
	21	11.6	2.29	12.6	2.46	13.7	2.63	14.7	2.81	15.7	2.95	17.0	3.18	19.7	3.63	21.0	3.85
	23	11.6	2.33	12.6	2.51	13.7	2.69	14.7	2.87	15.7	3.02	17.0	3.25	19.7	3.71	21.0	3.94
	25	11.6	2.39	12.6	2.57	13.7	2.75	14.7	2.93	15.7	3.09	17.0	3.33	19.7	3.80	21.0	4.04
	27	11.6	2.45	12.6	2.63	13.7	2.82	14.7	3.01	15.7	3.17	17.0	3.42	19.7	3.91	21.0	4.15
	30	11.6	2.55	12.6	2.74	13.7	2.94	14.7	3.13	15.7	3.31	17.0	3.57	19.7	4.08	21.0	4.34
	33	11.6	2.67	12.6	2.87	13.7	3.08	14.7	3.28	15.7	3.48	17.0	3.75	19.7	4.29	21.0	4.69
	35	11.6	2.75	12.6	2.97	13.7	3.18	14.7	3.39	15.7	3.60	17.0	3.88	19.7	4.56	21.0	4.98
	37	11.6	2.85	12.6	3.07	13.7	3.29	14.7	3.51	15.7	3.73	17.0	4.02	19.7	4.85	21.0	5.32
	40	11.6	3.01	12.6	3.25	13.7	3.49	14.7	3.72	15.7	3.97	17.0	4.41	19.7	5.36	21.0	5.89
	43	11.6	3.22	12.6	3.47	13.7	3.73	14.7	4.01	15.7	4.38	17.0	4.87	19.7	5.93	20.9	6.45
	46	11.6	3.46	12.6	3.73	13.7	4.04	14.7	4.41	15.7	4.83	17.0	5.37	19.7	6.57	20.3	6.77
13.4 (60%)	10	10.0	1.86	10.8	2.00	11.7	2.13	12.6	2.27	13.4	2.38	14.6	2.55	16.9	2.90	18.0	3.08
	15	10.0	1.91	10.8	2.05	11.7	2.19	12.6	2.33	13.4	2.44	14.6	2.63	16.9	2.99	18.0	3.17
	21	10.0	2.00	10.8	2.15	11.7	2.30	12.6	2.45	13.4	2.57	14.6	2.77	16.9	3.15	18.0	3.34
	23	10.0	2.04	10.8	2.20	11.7	2.35	12.6	2.50	13.4	2.63	14.6	2.83	16.9	3.22	18.0	3.42
	25	10.0	2.09	10.8	2.25	11.7	2.40	12.6	2.56	13.4	2.69	14.6	2.90	16.9	3.30	18.0	3.50
	27	10.0	2.14	10.8	2.30	11.7	2.46	12.6	2.62	13.4	2.76	14.6	2.97	16.9	3.39	18.0	3.60
	30	10.0	2.23	10.8	2.39	11.7	2.56	12.6	2.73	13.4	2.88	14.6	3.10	16.9	3.54	18.0	3.76
	33	10.0	2.33	10.8	2.50	11.7	2.68	12.6	2.86	13.4	3.02	14.6	3.25	16.9	3.71	18.0	3.95
	35	10.0	2.40	10.8	2.59	11.7	2.77	12.6	2.95	13.4	3.13	14.6	3.37	16.9	3.85	18.0	4.08
	37	10.0	2.48	10.8	2.67	11.7	2.86	12.6	3.05	13.4	3.24	14.6	3.49	16.9	3.99	18.0	4.31
	40	10.0	2.63	10.8	2.83	11.7	3.03	12.6	3.23	13.4	3.44	14.6	3.70	16.9	4.36	18.0	4.75
	43	10.0	2.80	10.8	3.02	11.7	3.24	12.6	3.46	13.4	3.68	14.6	3.99	16.9	4.81	18.0	5.25
	46	10.0	3.01	10.8	3.24	11.7	3.48	12.6	3.71	13.4	3.97	14.6	4.40	16.9	5.31	18.0	5.80
11.2 (50%)	10	8.3	1.60	9.0	1.71	9.8	1.83	10.5	1.94	11.2	2.03	12.1	2.18	14.0	2.47	15.0	2.62
	15	8.3	1.64	9.0	1.76	9.8	1.87	10.5	1.99	11.2	2.09	12.1	2.24	14.0	2.54	15.0	2.69
	21	8.3	1.72	9.0	1.84	9.8	1.97	10.5	2.09	11.2	2.19	12.1	2.36	14.0	2.68	15.0	2.84
	23	8.3	1.75	9.0	1.88	9.8	2.01	10.5	2.13	11.2	2.24	12.1	2.41	14.0	2.74	15.0	2.90
	25	8.3	1.79	9.0	1.92	9.8	2.05	10.5	2.18	11.2	2.29	12.1	2.46	14.0	2.80	15.0	2.97
	27	8.3	1.83	9.0	1.97	9.8	2.10	10.5	2.23	11.2	2.35	12.1	2.53	14.0	2.88	15.0	3.05
	30	8.3	1.91	9.0	2.05	9.8	2.19	10.5	2.32	11.2	2.45	12.1	2.64	14.0	3.00	15.0	3.18
	33	8.3	1.99	9.0	2.14	9.8	2.28	10.5	2.43	11.2	2.57	12.1	2.76	14.0	3.15	15.0	3.34
	35	8.3	2.05	9.0	2.20	9.8	2.36	10.5	2.51	11.2	2.66	12.1	2.86	14.0	3.25	15.0	3.45
	37	8.3	2.12	9.0	2.28	9.8	2.44	10.5	2.60	11.2	2.75	12.1	2.96	14.0	3.37	15.0	3.58
	40	8.3	2.24	9.0	2.41	9.8	2.58	10.5	2.74	11.2	2.91	12.1	3.14	14.0	3.58	15.0	3.8