

5. Heating 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

5-1. Stand-alone

■ Model: AJ*040LBLBH (1 phase)

Heating capacity at rated condition: 12.1 kW (4 HP)																
Total rated capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	°CDB	°CWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
18.1 (150%)	-20.0	-20.7	11.1	2.91	11.1	3.01	11.1	3.11	11.1	3.16	11.0	3.21	11.0	3.31	11.0	3.41
	-15.0	-16.0	12.7	3.12	12.7	3.23	12.6	3.34	12.6	3.40	12.6	3.46	12.5	3.57	12.5	3.68
	-12.0	-13.0	13.8	3.28	13.7	3.40	13.7	3.52	13.6	3.58	13.6	3.64	13.5	3.76	13.5	3.88
	-9.0	-10.0	14.9	3.46	14.8	3.59	14.8	3.71	14.7	3.78	14.7	3.84	14.6	3.97	14.5	4.09
	-7.0	-8.0	15.7	3.59	15.6	3.72	15.5	3.85	15.5	3.92	15.4	3.98	15.3	4.11	14.5	3.93
	-5.0	-6.0	16.5	3.73	16.4	3.86	16.3	4.00	16.2	4.06	16.2	4.13	15.7	4.11	14.5	3.77
	-3.0	-4.0	17.3	3.88	17.2	4.01	17.1	4.14	17.0	4.21	16.9	4.28	15.7	3.94	14.5	3.61
	-1.0	-2.0	18.1	4.02	18.0	4.16	17.9	4.30	17.5	4.26	16.9	4.10	15.7	3.78	14.5	3.46
	0.0	-1.0	18.5	4.10	18.4	4.24	18.1	4.33	17.5	4.17	16.9	4.01	15.7	3.69	14.5	3.38
	2.0	1.0	19.3	4.26	19.2	4.40	18.1	4.15	17.5	3.99	16.9	3.84	15.7	3.54	14.5	3.24
	5.0	4.0	20.6	4.48	19.4	4.18	18.1	3.88	17.5	3.74	16.9	3.59	15.7	3.31	14.5	3.03
	7.0	6.0	20.6	4.29	19.4	4.00	18.1	3.72	17.5	3.58	16.9	3.44	15.7	3.17	14.5	2.90
	9.0	7.8	20.6	4.12	19.4	3.85	18.1	3.57	17.5	3.44	16.9	3.31	15.7	3.05	14.5	2.79
	12.0	10.6	20.6	3.88	19.4	3.62	18.1	3.36	17.5	3.24	16.9	3.11	15.7	2.87	14.5	2.63
15.0	13.5	20.6	3.64	19.4	3.40	18.1	3.16	17.5	3.04	16.9	2.93	15.7	2.70	14.5	2.47	
16.9 (140%)	-20.0	-20.7	11.1	2.97	11.1	3.07	11.1	3.17	11.0	3.22	11.0	3.27	11.0	3.37	11.0	3.47
	-15.0	-16.0	12.7	3.20	12.6	3.32	12.6	3.43	12.6	3.48	12.5	3.54	12.5	3.65	12.4	3.77
	-12.0	-13.0	13.7	3.38	13.7	3.50	13.6	3.62	13.6	3.68	13.5	3.74	13.5	3.86	13.4	3.98
	-9.0	-10.0	14.8	3.57	14.8	3.70	14.7	3.82	14.6	3.89	14.6	3.95	14.5	4.08	13.6	3.81
	-7.0	-8.0	15.6	3.71	15.5	3.84	15.4	3.97	15.4	4.03	15.3	4.10	14.7	3.98	13.6	3.65
	-5.0	-6.0	16.4	3.86	16.3	3.99	16.2	4.12	16.1	4.19	15.8	4.14	14.7	3.82	13.6	3.50
	-3.0	-4.0	17.2	4.01	17.1	4.15	16.9	4.28	16.4	4.12	15.8	3.96	14.7	3.66	13.6	3.35
	-1.0	-2.0	18.0	4.17	17.8	4.31	16.9	4.10	16.4	3.95	15.8	3.80	14.7	3.50	13.6	3.21
	0.0	-1.0	18.4	4.25	18.1	4.31	16.9	4.01	16.4	3.86	15.8	3.72	14.7	3.43	13.6	3.14
	2.0	1.0	19.2	4.42	18.1	4.13	16.9	3.84	16.4	3.70	15.8	3.56	14.7	3.28	13.6	3.01
	5.0	4.0	19.2	4.14	18.1	3.86	16.9	3.59	16.4	3.46	15.8	3.33	14.7	3.07	13.6	2.82
	7.0	6.0	19.2	3.96	18.1	3.70	16.9	3.44	16.4	3.31	15.8	3.19	14.7	2.94	13.6	2.70
	9.0	7.8	19.2	3.81	18.1	3.56	16.9	3.31	16.4	3.19	15.8	3.07	14.7	2.83	13.6	2.59
	12.0	10.6	19.2	3.58	18.1	3.35	16.9	3.11	16.4	3.00	15.8	2.88	14.7	2.66	13.6	2.44
15.0	13.5	19.2	3.37	18.1	3.14	16.9	2.93	16.4	2.82	15.8	2.71	14.7	2.50	13.6	2.29	
15.7 (130%)	-20.0	-20.7	11.1	3.05	11.1	3.15	11.0	3.25	11.0	3.30	11.0	3.35	11.0	3.45	11.0	3.55
	-15.0	-16.0	12.6	3.30	12.6	3.41	12.5	3.52	12.5	3.58	12.5	3.64	12.4	3.75	12.4	3.86
	-12.0	-13.0	13.7	3.49	13.6	3.61	13.5	3.73	13.5	3.79	13.5	3.85	13.4	3.97	12.6	3.74
	-9.0	-10.0	14.8	3.70	14.7	3.82	14.6	3.95	14.6	4.01	14.5	4.07	13.6	3.83	12.6	3.52
	-7.0	-8.0	15.5	3.85	15.4	3.98	15.3	4.10	15.2	4.14	14.7	3.98	13.6	3.68	12.6	3.38
	-5.0	-6.0	16.3	4.00	16.2	4.14	15.7	4.11	15.2	3.97	14.7	3.82	13.6	3.52	12.6	3.23
	-3.0	-4.0	17.0	4.17	16.8	4.23	15.7	3.94	15.2	3.80	14.7	3.66	13.6	3.37	12.6	3.10
	-1.0	-2.0	17.8	4.33	16.8	4.05	15.7	3.78	15.2	3.64	14.7	3.50	13.6	3.23	12.6	2.97
	0.0	-1.0	17.8	4.24	16.8	3.97	15.7	3.69	15.2	3.56	14.7	3.43	13.6	3.16	12.6	2.90
	2.0	1.0	17.8	4.06	16.8	3.80	15.7	3.54	15.2	3.41	14.7	3.28	13.6	3.03	12.6	2.78
	5.0	4.0	17.8	3.81	16.8	3.56	15.7	3.31	15.2	3.19	14.7	3.07	13.6	2.83	12.6	2.60
	7.0	6.0	17.8	3.64	16.8	3.40	15.7	3.17	15.2	3.05	14.7	2.94	13.6	2.71	12.6	2.49
	9.0	7.8	17.8	3.50	16.8	3.27	15.7	3.05	15.2	2.94	14.7	2.83	13.6	2.61	12.6	2.40
	12.0	10.6	17.8	3.30	16.8	3.08	15.7	2.87	15.2	2.76	14.7	2.66	13.6	2.46	12.6	2.26
15.0	13.5	17.8	3.10	16.8	2.89	15.7	2.70	15.2	2.60	14.7	2.50	13.6	2.31	12.6	2.12	
14.5 (120%)	-20.0	-20.7	11.1	3.14	11.0	3.23	11.0	3.33	11.0	3.38	11.0	3.43	11.0	3.53	10.9	3.63
	-15.0	-16.0	12.6	3.41	12.5	3.52	12.5	3.64	12.5	3.69	12.4	3.75	12.4	3.86	11.6	3.65
	-12.0	-13.0	13.6	3.62	13.5	3.74	13.5	3.86	13.4	3.92	13.4	3.97	12.6	3.74	11.6	3.44
	-9.0	-10.0	14.7	3.84	14.6	3.97	14.5	4.09	14.0	3.95	13.6	3.81	12.6	3.52	11.6	3.23
	-7.0	-8.0	15.4	4.00	15.3	4.13	14.5	3.93	14.0	3.79	13.6	3.65	12.6	3.38	11.6	3.10
	-5.0	-6.0	16.1	4.17	15.5	4.05	14.5	3.77	14.0	3.64	13.6	3.50	12.6	3.23	11.6	2.97
	-3.0	-4.0	16.5	4.14	15.5	3.88	14.5	3.61	14.0	3.48	13.6	3.35	12.6	3.10	11.6	2.85
	-1.0	-2.0	16.5	3.97	15.5	3.71	14.5	3.46	14.0	3.33	13.6	3.21	12.6	2.97	11.6	2.73
	0.0	-1.0	16.5	3.88	15.5	3.63	14.5	3.38	14.0	3.26	13.6	3.14	12.6	2.90	11.6	2.67
	2.0	1.0	16.5	3.72	15.5	3.48	14.5	3.24	14.0	3.12	13.6	3.01	12.6	2.78	11.6	2.55
	5.0	4.0	16.5	3.48	15.5	3.26	14.5	3.03	14.0	2.92	13.6	2.82	12.6	2.60	11.6	2.39
	7.0	6.0	16.5	3.33	15.5	3.12	14.5	2.90	14.0	2.80	13.6	2.70	12.6	2.49	11.6	2.29
	9.0	7.8	16.5	3.20	15.5	3.00	14.5	2.79	14.0	2.69	13.6	2.59	12.6	2.40	11.6	2.20
	12.0	10.6	16.5	3.01	15.5	2.82	14.5	2.63	14.0	2.53	13.6	2.44	12.6	2.26	11.6	2.07
15.0	13.5	16.5	2.83	15.5	2.65	14.5	2.47	14.0	2.38	13.6	2.29	12.6	2.12	11.6	1.95	

Heating capacity at rated condition: 12.1 kW (4 HP)

Total rated capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	°CDB	°CWB	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
7.2 (60%)	-20.0	-20.7	8.2	2.79	7.7	2.62	7.2	2.46	7.0	2.38	6.8	2.30	6.3	2.14	5.8	1.98
	-15.0	-16.0	8.2	2.56	7.7	2.41	7.2	2.26	7.0	2.19	6.8	2.11	6.3	1.96	5.8	1.82
	-12.0	-13.0	8.2	2.41	7.7	2.27	7.2	2.13	7.0	2.06	6.8	1.99	6.3	1.85	5.8	1.71
	-9.0	-10.0	8.2	2.27	7.7	2.13	7.2	2.00	7.0	1.94	6.8	1.87	6.3	1.74	5.8	1.61
	-7.0	-8.0	8.2	2.18	7.7	2.05	7.2	1.92	7.0	1.86	6.8	1.79	6.3	1.67	5.8	1.54
	-5.0	-6.0	8.2	2.08	7.7	1.96	7.2	1.84	7.0	1.78	6.8	1.72	6.3	1.60	5.8	1.48
	-3.0	-4.0	8.2	2.00	7.7	1.88	7.2	1.76	7.0	1.70	6.8	1.65	6.3	1.53	5.8	1.42
	-1.0	-2.0	8.2	1.91	7.7	1.80	7.2	1.69	7.0	1.63	6.8	1.58	6.3	1.47	5.8	1.36
	0.0	-1.0	8.2	1.87	7.7	1.76	7.2	1.65	7.0	1.60	6.8	1.54	6.3	1.44	5.8	1.33
	2.0	1.0	8.2	1.79	7.7	1.69	7.2	1.58	7.0	1.53	6.8	1.48	6.3	1.38	5.8	1.28
	5.0	4.0	8.2	1.68	7.7	1.58	7.2	1.49	7.0	1.44	6.8	1.39	6.3	1.29	5.8	1.20
	7.0	6.0	8.2	1.61	7.7	1.52	7.2	1.42	7.0	1.38	6.8	1.33	6.3	1.24	5.8	1.15
	9.0	7.8	8.2	1.55	7.7	1.46	7.2	1.37	7.0	1.33	6.8	1.28	6.3	1.20	5.8	1.11
	12.0	10.6	8.2	1.46	7.7	1.38	7.2	1.30	7.0	1.25	6.8	1.21	6.3	1.13	5.8	1.05
15.0	13.5	8.2	1.38	7.7	1.30	7.2	1.22	7.0	1.18	6.8	1.14	6.3	1.07	5.8	0.99	
6.1 (50%)	-20.0	-20.7	6.9	2.33	6.5	2.19	6.1	2.06	5.8	1.99	5.6	1.92	5.2	1.79	4.8	1.66
	-15.0	-16.0	6.9	2.14	6.5	2.01	6.1	1.89	5.8	1.83	5.6	1.77	5.2	1.65	4.8	1.52
	-12.0	-13.0	6.9	2.01	6.5	1.90	6.1	1.78	5.8	1.72	5.6	1.67	5.2	1.55	4.8	1.44
	-9.0	-10.0	6.9	1.89	6.5	1.78	6.1	1.67	5.8	1.62	5.6	1.57	5.2	1.46	4.8	1.35
	-7.0	-8.0	6.9	1.81	6.5	1.71	6.1	1.61	5.8	1.55	5.6	1.50	5.2	1.40	4.8	1.30
	-5.0	-6.0	6.9	1.74	6.5	1.64	6.1	1.54	5.8	1.49	5.6	1.44	5.2	1.34	4.8	1.25
	-3.0	-4.0	6.9	1.67	6.5	1.57	6.1	1.48	5.8	1.43	5.6	1.38	5.2	1.29	4.8	1.19
	-1.0	-2.0	6.9	1.60	6.5	1.51	6.1	1.41	5.8	1.37	5.6	1.32	5.2	1.23	4.8	1.15
	0.0	-1.0	6.9	1.56	6.5	1.47	6.1	1.38	5.8	1.34	5.6	1.30	5.2	1.21	4.8	1.12
	2.0	1.0	6.9	1.50	6.5	1.41	6.1	1.33	5.8	1.29	5.6	1.24	5.2	1.16	4.8	1.08
	5.0	4.0	6.9	1.41	6.5	1.33	6.1	1.25	5.8	1.21	5.6	1.17	5.2	1.09	4.8	1.01
	7.0	6.0	6.9	1.35	6.5	1.27	6.1	1.20	5.8	1.16	5.6	1.12	5.2	1.05	4.8	0.97
	9.0	7.8	6.9	1.30	6.5	1.23	6.1	1.15	5.8	1.12	5.6	1.08	5.2	1.01	4.8	0.94
	12.0	10.6	6.9	1.23	6.5	1.16	6.1	1.09	5.8	1.06	5.6	1.02	5.2	0.96	4.8	0.89
15.0	13.5	6.9	1.16	6.5	1.09	6.1	1.03	5.8	1.00	5.6	0.97	5.2	0.90	4.8	0.84	

MODEL SELECTION

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