

## 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\*040LCLBH

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
15.7 (130%)	-20.0	-20.7	9.0	2.18	8.9	2.25	8.8	2.32	8.7	2.35	8.7	2.39	8.5	2.46	8.4	2.53
	-15.0	-16.0	9.9	2.41	9.8	2.49	9.7	2.56	9.7	2.60	9.6	2.64	9.5	2.71	9.4	2.79
	-12.0	-13.0	10.6	2.56	10.5	2.64	10.4	2.72	10.4	2.76	10.3	2.80	10.2	2.87	10.1	2.95
	-9.0	-10.0	11.4	2.71	11.3	2.79	11.2	2.87	11.1	2.91	11.1	2.95	11.0	3.04	10.8	3.12
	-7.0	-8.0	11.9	2.81	11.8	2.89	11.7	2.98	11.7	3.02	11.6	3.06	11.5	3.15	11.4	3.23
	-5.0	-6.0	12.5	2.91	12.4	3.00	12.3	3.08	12.2	3.13	12.2	3.17	12.1	3.26	11.9	3.35
	-3.0	-4.0	13.1	3.01	13.0	3.10	12.9	3.19	12.8	3.24	12.8	3.28	12.6	3.37	12.1	3.30
	-1.0	-2.0	13.7	3.12	13.6	3.21	13.5	3.30	13.4	3.35	13.4	3.39	13.2	3.45	12.1	3.16
	0.0	-1.0	14.1	3.17	13.9	3.27	13.8	3.36	13.7	3.40	13.7	3.45	13.2	3.38	12.1	3.10
	2.0	1.0	14.7	3.28	14.6	3.38	14.4	3.47	14.4	3.52	14.2	3.51	13.2	3.23	12.1	2.97
	5.0	4.0	15.7	3.45	15.6	3.55	15.2	3.55	14.7	3.42	14.2	3.29	13.2	3.03	12.1	2.78
	7.0	6.0	16.4	3.57	16.2	3.65	15.2	3.40	14.7	3.27	14.2	3.15	13.2	2.90	12.1	2.66
	9.0	7.8	17.0	3.67	16.2	3.51	15.2	3.26	14.7	3.14	14.2	3.02	13.2	2.79	12.1	2.56
	12.0	10.6	17.2	3.53	16.2	3.30	15.2	3.07	14.7	2.95	14.2	2.84	13.2	2.62	12.1	2.40
	15.0	13.5	17.2	3.31	16.2	3.09	15.2	2.88	14.7	2.77	14.2	2.66	13.2	2.46	12.1	2.25
14.5 (120%)	-20.0	-20.7	8.9	2.23	8.8	2.30	8.7	2.37	8.6	2.40	8.6	2.44	8.5	2.51	8.3	2.58
	-15.0	-16.0	9.8	2.47	9.7	2.55	9.6	2.62	9.6	2.66	9.5	2.70	9.4	2.77	9.3	2.85
	-12.0	-13.0	10.5	2.63	10.4	2.71	10.3	2.78	10.3	2.82	10.2	2.86	10.1	2.94	10.0	3.02
	-9.0	-10.0	11.3	2.79	11.2	2.87	11.1	2.95	11.0	2.99	11.0	3.03	10.9	3.11	10.7	3.19
	-7.0	-8.0	11.8	2.89	11.7	2.97	11.6	3.06	11.6	3.10	11.5	3.14	11.4	3.23	11.2	3.28
	-5.0	-6.0	12.4	3.00	12.3	3.09	12.2	3.17	12.1	3.21	12.1	3.26	11.9	3.34	11.2	3.15
	-3.0	-4.0	13.0	3.11	12.9	3.20	12.8	3.29	12.7	3.33	12.6	3.37	12.1	3.30	11.2	3.03
	-1.0	-2.0	13.6	3.22	13.5	3.31	13.4	3.40	13.3	3.45	13.1	3.43	12.1	3.16	11.2	2.90
	0.0	-1.0	13.9	3.28	13.8	3.37	13.7	3.46	13.5	3.48	13.1	3.35	12.1	3.10	11.2	2.84
	2.0	1.0	14.6	3.40	14.4	3.49	14.0	3.46	13.5	3.34	13.1	3.21	12.1	2.97	11.2	2.72
	5.0	4.0	15.5	3.58	14.9	3.49	14.0	3.25	13.5	3.13	13.1	3.01	12.1	2.78	11.2	2.55
	7.0	6.0	15.9	3.57	14.9	3.34	14.0	3.11	13.5	2.99	13.1	2.88	12.1	2.66	11.2	2.44
	9.0	7.8	15.9	3.43	14.9	3.21	14.0	2.99	13.5	2.88	13.1	2.77	12.1	2.56	11.2	2.35
	12.0	10.6	15.9	3.23	14.9	3.01	14.0	2.81	13.5	2.70	13.1	2.60	12.1	2.40	11.2	2.20
	15.0	13.5	15.9	3.02	14.9	2.83	14.0	2.63	13.5	2.54	13.1	2.44	12.1	2.25	11.2	2.07
13.3 (110%)	-20.0	-20.7	8.8	2.29	8.7	2.36	8.6	2.43	8.5	2.46	8.5	2.50	8.4	2.57	8.3	2.64
	-15.0	-16.0	9.7	2.54	9.6	2.62	9.5	2.69	9.5	2.73	9.4	2.77	9.3	2.84	9.2	2.92
	-12.0	-13.0	10.4	2.71	10.3	2.78	10.2	2.86	10.1	2.90	10.1	2.94	10.0	3.02	9.9	3.10
	-9.0	-10.0	11.2	2.87	11.1	2.95	11.0	3.03	10.9	3.07	10.8	3.12	10.7	3.20	10.3	3.11
	-7.0	-8.0	11.7	2.99	11.6	3.07	11.5	3.15	11.4	3.19	11.4	3.24	11.1	3.26	10.3	3.00
	-5.0	-6.0	12.3	3.10	12.2	3.19	12.0	3.27	12.0	3.31	11.9	3.36	11.1	3.13	10.3	2.88
	-3.0	-4.0	12.8	3.22	12.7	3.31	12.6	3.39	12.4	3.38	12.0	3.25	11.1	3.01	10.3	2.76
	-1.0	-2.0	13.4	3.34	13.3	3.43	12.8	3.36	12.4	3.24	12.0	3.12	11.1	2.88	10.3	2.65
	0.0	-1.0	13.7	3.40	13.6	3.49	12.8	3.29	12.4	3.17	12.0	3.05	11.1	2.82	10.3	2.59
	2.0	1.0	14.4	3.53	13.7	3.38	12.8	3.15	12.4	3.04	12.0	2.93	11.1	2.70	10.3	2.48
	5.0	4.0	14.6	3.39	13.7	3.17	12.8	2.95	12.4	2.85	12.0	2.74	11.1	2.53	10.3	2.33
	7.0	6.0	14.6	3.24	13.7	3.03	12.8	2.83	12.4	2.72	12.0	2.62	11.1	2.42	10.3	2.23
	9.0	7.8	14.6	3.12	13.7	2.91	12.8	2.72	12.4	2.62	12.0	2.52	11.1	2.33	10.3	2.14
	12.0	10.6	14.6	2.93	13.7	2.74	12.8	2.55	12.4	2.46	12.0	2.37	11.1	2.19	10.3	2.01
	15.0	13.5	14.6	2.74	13.7	2.57	12.8	2.39	12.4	2.31	12.0	2.22	11.1	2.05	10.3	1.89
12.1 (100%)	-20.0	-20.7	9.0	2.36	8.9	2.43	8.8	2.50	8.7	2.53	8.7	2.57	8.6	2.64	8.4	2.71
	-15.0	-16.0	10.0	2.63	9.9	2.70	9.7	2.77	9.7	2.81	9.6	2.85	9.5	2.92	9.4	3.00
	-12.0	-13.0	10.7	2.80	10.6	2.88	10.4	2.95	10.4	2.99	10.3	3.03	10.2	3.11	9.7	2.98
	-9.0	-10.0	11.4	2.98	11.3	3.06	11.2	3.14	11.2	3.18	11.1	3.22	10.5	3.06	9.7	2.82
	-7.0	-8.0	12.0	3.10	11.9	3.18	11.7	3.26	11.7	3.30	11.3	3.19	10.5	2.95	9.7	2.71
	-5.0	-6.0	12.5	3.22	12.4	3.31	12.1	3.29	11.7	3.18	11.3	3.06	10.5	2.83	9.7	2.61
	-3.0	-4.0	13.1	3.35	12.9	3.39	12.1	3.16	11.7	3.05	11.3	2.94	10.5	2.72	9.7	2.50
	-1.0	-2.0	13.7	3.47	12.9	3.25	12.1	3.03	11.7	2.93	11.3	2.82	10.5	2.61	9.7	2.40
	0.0	-1.0	13.7	3.40	12.9	3.18	12.1	2.97	11.7	2.86	11.3	2.76	10.5	2.55	9.7	2.35
	2.0	1.0	13.7	3.26	12.9	3.05	12.1	2.84	11.7	2.74	11.3	2.64	10.5	2.44	9.7	2.25
	5.0	4.0	13.7	3.05	12.9	2.86	12.1	2.66	11.7	2.57	11.3	2.48	10.5	2.29	9.7	2.11
	7.0	6.0	13.7	2.92	12.9	2.73	12.1	2.55	11.7	2.46	11.3	2.37	10.5	2.19	9.7	2.02
	9.0	7.8	13.7	2.81	12.9	2.63	12.1	2.45	11.7	2.36	11.3	2.28	10.5	2.11	9.7	1.94
	12.0	10.6	13.7	2.64	12.9	2.47	12.1	2.30	11.7	2.22	11.3	2.14	10.5	1.98	9.7	1.82
	15.0	13.5	13.7	2.47	12.9	2.31	12.1	2.16	11.7	2.08	11.3	2.01	10.5	1.86	9.7	1.71

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
10.8 (90%)	-20.0	-20.7	8.9	2.44	8.8	2.51	8.6	2.58	8.6	2.62	8.5	2.65	8.4	2.72	8.3	2.79
	-15.0	-16.0	9.8	2.73	9.7	2.80	9.6	2.87	9.5	2.91	9.5	2.94	9.4	3.02	8.7	2.81
	-12.0	-13.0	10.5	2.91	10.4	2.99	10.3	3.06	10.2	3.10	10.2	3.13	9.4	2.90	8.7	2.68
	-9.0	-10.0	11.3	3.10	11.1	3.18	10.8	3.19	10.5	3.08	10.2	2.97	9.4	2.75	8.7	2.53
	-7.0	-8.0	11.8	3.23	11.6	3.28	10.8	3.07	10.5	2.96	10.2	2.85	9.4	2.64	8.7	2.43
	-5.0	-6.0	12.3	3.36	11.6	3.15	10.8	2.95	10.5	2.84	10.2	2.74	9.4	2.54	8.7	2.34
	-3.0	-4.0	12.3	3.23	11.6	3.03	10.8	2.83	10.5	2.73	10.2	2.63	9.4	2.44	8.7	2.24
	-1.0	-2.0	12.3	3.10	11.6	2.90	10.8	2.71	10.5	2.62	10.2	2.52	9.4	2.34	8.7	2.15
	0.0	-1.0	12.3	3.03	11.6	2.84	10.8	2.66	10.5	2.56	10.2	2.47	9.4	2.29	8.7	2.10
	2.0	1.0	12.3	2.91	11.6	2.72	10.8	2.54	10.5	2.45	10.2	2.37	9.4	2.19	8.7	2.02
	5.0	4.0	12.3	2.72	11.6	2.55	10.8	2.38	10.5	2.30	10.2	2.22	9.4	2.05	8.7	1.89
	7.0	6.0	12.3	2.60	11.6	2.44	10.8	2.28	10.5	2.20	10.2	2.12	9.4	1.96	8.7	1.81
	9.0	7.8	12.3	2.50	11.6	2.35	10.8	2.19	10.5	2.11	10.2	2.04	9.4	1.89	8.7	1.74
	12.0	10.6	12.3	2.35	11.6	2.20	10.8	2.06	10.5	1.99	10.2	1.92	9.4	1.77	8.7	1.63
	15.0	13.5	12.3	2.21	11.6	2.07	10.8	1.93	10.5	1.86	10.2	1.80	9.4	1.66	8.7	1.53
9.6 (80%)	-20.0	-20.7	8.7	2.55	8.6	2.61	8.5	2.68	8.4	2.71	8.4	2.75	8.3	2.82	7.7	2.67
	-15.0	-16.0	9.6	2.85	9.5	2.92	9.4	2.99	9.4	3.03	9.0	2.92	8.4	2.71	7.7	2.50
	-12.0	-13.0	10.3	3.05	10.2	3.12	9.6	2.98	9.4	2.88	9.0	2.78	8.4	2.57	7.7	2.37
	-9.0	-10.0	11.0	3.21	10.3	3.02	9.6	2.82	9.4	2.72	9.0	2.63	8.4	2.44	7.7	2.25
	-7.0	-8.0	11.0	3.09	10.3	2.90	9.6	2.71	9.4	2.62	9.0	2.53	8.4	2.34	7.7	2.16
	-5.0	-6.0	11.0	2.97	10.3	2.79	9.6	2.61	9.4	2.52	9.0	2.43	8.4	2.25	7.7	2.07
	-3.0	-4.0	11.0	2.85	10.3	2.67	9.6	2.50	9.4	2.41	9.0	2.33	8.4	2.16	7.7	1.99
	-1.0	-2.0	11.0	2.73	10.3	2.56	9.6	2.40	9.4	2.31	9.0	2.23	8.4	2.07	7.7	1.91
	0.0	-1.0	11.0	2.68	10.3	2.51	9.6	2.35	9.4	2.27	9.0	2.19	8.4	2.03	7.7	1.87
	2.0	1.0	11.0	2.56	10.3	2.41	9.6	2.25	9.4	2.17	9.0	2.09	8.4	1.94	7.7	1.79
	5.0	4.0	11.0	2.40	10.3	2.25	9.6	2.11	9.4	2.03	9.0	1.96	8.4	1.82	7.7	1.68
	7.0	6.0	11.0	2.30	10.3	2.16	9.6	2.02	9.4	1.95	9.0	1.88	8.4	1.74	7.7	1.60
	9.0	7.8	11.0	2.21	10.3	2.07	9.6	1.94	9.4	1.87	9.0	1.80	8.4	1.67	7.7	1.54
	12.0	10.6	11.0	2.08	10.3	1.95	9.6	1.82	9.4	1.76	9.0	1.70	8.4	1.57	7.7	1.45
	15.0	13.5	11.0	1.95	10.3	1.83	9.6	1.71	9.4	1.65	9.0	1.59	8.4	1.47	7.7	1.36
8.4 (70%)	-20.0	-20.7	8.5	2.67	8.4	2.74	8.3	2.80	8.2	2.82	7.9	2.72	7.3	2.53	6.8	2.34
	-15.0	-16.0	9.4	3.00	9.0	2.92	8.4	2.73	8.2	2.64	7.9	2.55	7.3	2.37	6.8	2.19
	-12.0	-13.0	9.6	2.95	9.0	2.78	8.4	2.60	8.2	2.51	7.9	2.42	7.3	2.25	6.8	2.08
	-9.0	-10.0	9.6	2.80	9.0	2.63	8.4	2.46	8.2	2.38	7.9	2.29	7.3	2.13	6.8	1.96
	-7.0	-8.0	9.6	2.69	9.0	2.53	8.4	2.36	8.2	2.28	7.9	2.20	7.3	2.05	6.8	1.89
	-5.0	-6.0	9.6	2.58	9.0	2.43	8.4	2.27	8.2	2.19	7.9	2.12	7.3	1.96	6.8	1.81
	-3.0	-4.0	9.6	2.48	9.0	2.33	8.4	2.18	8.2	2.10	7.9	2.03	7.3	1.88	6.8	1.74
	-1.0	-2.0	9.6	2.38	9.0	2.23	8.4	2.09	8.2	2.02	7.9	1.95	7.3	1.81	6.8	1.67
	0.0	-1.0	9.6	2.33	9.0	2.19	8.4	2.04	8.2	1.98	7.9	1.91	7.3	1.77	6.8	1.63
	2.0	1.0	9.6	2.23	9.0	2.09	8.4	1.96	8.2	1.89	7.9	1.83	7.3	1.69	6.8	1.56
	5.0	4.0	9.6	2.09	9.0	1.96	8.4	1.84	8.2	1.77	7.9	1.71	7.3	1.59	6.8	1.47
	7.0	6.0	9.6	2.00	9.0	1.88	8.4	1.76	8.2	1.70	7.9	1.64	7.3	1.52	6.8	1.40
	9.0	7.8	9.6	1.92	9.0	1.80	8.4	1.69	8.2	1.63	7.9	1.57	7.3	1.46	6.8	1.35
	12.0	10.6	9.6	1.80	9.0	1.70	8.4	1.59	8.2	1.53	7.9	1.48	7.3	1.37	6.8	1.27
	15.0	13.5	9.6	1.69	9.0	1.59	8.4	1.49	8.2	1.44	7.9	1.39	7.3	1.29	6.8	1.19
7.2 (60%)	-20.0	-20.7	8.2	2.83	7.7	2.67	7.2	2.50	7.0	2.42	6.8	2.34	6.3	2.17	5.8	2.01
	-15.0	-16.0	8.2	2.66	7.7	2.50	7.2	2.34	7.0	2.26	6.8	2.19	6.3	2.03	5.8	1.88
	-12.0	-13.0	8.2	2.52	7.7	2.37	7.2	2.23	7.0	2.15	6.8	2.08	6.3	1.93	5.8	1.78
	-9.0	-10.0	8.2	2.39	7.7	2.25	7.2	2.10	7.0	2.03	6.8	1.96	6.3	1.82	5.8	1.69
	-7.0	-8.0	8.2	2.30	7.7	2.16	7.2	2.02	7.0	1.96	6.8	1.89	6.3	1.75	5.8	1.62
	-5.0	-6.0	8.2	2.21	7.7	2.07	7.2	1.94	7.0	1.88	6.8	1.81	6.3	1.68	5.8	1.56
	-3.0	-4.0	8.2	2.12	7.7	1.99	7.2	1.86	7.0	1.80	6.8	1.74	6.3	1.62	5.8	1.49
	-1.0	-2.0	8.2	2.03	7.7	1.91	7.2	1.79	7.0	1.73	6.8	1.67	6.3	1.55	5.8	1.43
	0.0	-1.0	8.2	1.99	7.7	1.87	7.2	1.75	7.0	1.69	6.8	1.63	6.3	1.52	5.8	1.40
	2.0	1.0	8.2	1.90	7.7	1.79	7.2	1.68	7.0	1.62	6.8	1.56	6.3	1.45	5.8	1.34
	5.0	4.0	8.2	1.78	7.7	1.68	7.2	1.57	7.0	1.52	6.8	1.47	6.3	1.36	5.8	1.26
	7.0	6.0	8.2	1.71	7.7	1.60	7.2	1.50	7.0	1.45	6.8	1.40	6.3	1.30	5.8	1.21
	9.0	7.8	8.2	1.64	7.7	1.54	7.2	1.45	7.0	1.40	6.8	1.35	6.3	1.25	5.8	1.16
	12.0	10.6	8.2	1.54	7.7	1.45	7.2	1.36	7.0	1.31	6.8	1.27	6.3	1.18	5.8	1.09
	15.0	13.5	8.2	1.45	7.7	1.36	7.2	1.28	7.0	1.23	6.8	1.19	6.3	1.11	5.8	1.03
6.1 (50%)	-20.0	-20.7	6.9	2.37	6.5	2.23	6.1	2.09	5.8	2.02	5.6	1.96	5.2	1.82	4.8	1.68
	-15.0	-16.0	6.9	2.21	6.5	2.08	6.1	1.95	5.8	1.89	5.6	1.83	5.2	1.70	4.8	1.57
	-12.0	-13.0	6.9	2.10	6.5	1.98	6.1	1.86	5.8	1.80	5.6	1.73	5.2	1.61	4.8	1.49
	-9.0	-10.0	6.9	1.99	6.5	1.87	6.1	1.75	5.8	1.70	5.6	1.64	5.2	1.53	4.8	1.41
	-7.0	-8.0	6.9	1.91	6.5	1.80	6.1	1.69	5.8	1.63	5.6	1.58	5.2	1.47	4.8	1.36
	-5.0	-6.0	6.9	1.83	6.5	1.73	6.1	1.62	5.8	1.57	5.6	1.51	5.2	1.41	4.8	1.30
	-3.0	-4.0	6.9	1.76	6.5	1.66	6.1	1.55	5.8	1.50	5.6	1.45	5.2	1.35	4.8	1.25
	-1.0	-2.0	6.9	1.69	6.5	1.59	6.1	1.49	5.8	1.44	5.6	1.39	5.2	1.30	4.8	1.20
	0.0	-1.0	6.9	1.65	6.5	1.56	6.1	1.46	5.8	1.41	5.6	1.36	5.2	1.27	4.8	1.18
	2.0	1.0	6.9	1.58	6.5	1.49	6.1	1.40	5.8	1.35	5.6	1.31	5.2	1.22	4.8	1.13
	5.0	4.0	6.9	1.48	6.5	1.40	6.1	1.31	5.8	1.27	5.6	1.23	5.2	1.14	4.8	1.06
	7.0	6.0	6.9	1.42	6.5	1.34	6.1	1.26	5.8	1.21	5.6	1.17	5.2	1.09	4.8	1.01
	9.0	7.8	6.9	1.37	6.5	1.29	6.1	1.21	5.8	1.17	5.6	1.13	5.2	1.05	4.8	0.98
	12.0	10.6	6.9	1.28	6.5	1.21	6.1	1.14	5.8	1.10	5.6	1.06	5.2	0.99	4.8	0.92
	15.0	13.5	6.9	1.21	6.5	1.14	6.1	1.07	5.8	1.03	5.6	1.00	5.2	0.93	4.8	0.86

MODEL SELECTION

MODEL SELECTION