

## 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\*040LCLDH

Cooling capacity at rated condition: 12.1 kW (4 HP)																	
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
15.7 (130%)	10	11.2	1.52	12.3	1.67	13.5	1.82	14.6	1.96	15.7	2.12	16.9	2.40	19.0	3.00	19.3	3.03
	15	11.2	1.52	12.3	1.71	13.5	1.97	14.6	2.26	15.7	2.57	16.9	2.92	18.3	3.33	18.7	3.36
	21	11.1	1.85	12.3	2.14	13.5	2.47	14.6	2.83	15.7	3.22	16.9	3.65	17.5	3.72	17.8	3.76
	23	11.2	1.99	12.3	2.30	13.5	2.65	14.6	3.04	15.7	3.47	16.6	3.78	17.2	3.86	17.5	3.90
	25	11.2	2.13	12.3	2.48	13.5	2.85	14.6	3.27	15.7	3.73	16.3	3.91	16.9	4.00	17.2	4.04
	27	11.2	2.29	12.3	2.66	13.5	3.06	14.6	3.51	15.7	4.00	16.0	4.05	16.6	4.14	16.9	4.19
	30	11.2	2.54	12.3	2.95	13.5	3.41	14.6	3.93	15.3	4.22	15.6	4.27	16.2	4.37	16.5	4.42
	33	11.1	2.82	12.3	3.29	13.5	3.82	14.6	4.39	14.8	4.44	15.1	4.49	15.7	4.60	16.0	4.65
	35	11.2	3.03	12.3	3.54	13.5	4.12	14.3	4.53	14.5	4.59	14.8	4.64	15.4	4.75	15.7	4.81
	37	11.2	3.26	12.3	3.82	13.5	4.45	14.0	4.68	14.2	4.74	14.5	4.79	15.1	4.91	15.4	4.97
40	11.2	3.65	12.3	4.29	13.2	4.85	13.5	4.91	13.8	4.97	14.0	4.98	14.4	4.98	14.6	4.98	
43	11.2	4.09	12.3	4.83	12.7	4.98	12.9	4.98	13.1	4.98	13.2	4.98	13.6	4.98	13.8	4.98	
46	11.2	4.60	11.8	4.98	12.0	4.98	12.2	4.98	12.3	4.98	12.5	4.98	12.9	4.98	13.0	4.98	
14.5 (120%)	10	10.3	1.42	11.4	1.55	12.4	1.68	13.5	1.82	14.5	1.95	15.6	2.09	17.7	2.62	18.7	2.93
	15	10.3	1.42	11.4	1.55	12.4	1.74	13.5	1.98	14.5	2.24	15.6	2.53	17.7	3.18	18.2	3.32
	21	10.3	1.64	11.4	1.90	12.4	2.17	13.5	2.47	14.5	2.80	15.6	3.16	17.1	3.69	17.4	3.72
	23	10.3	1.77	11.4	2.04	12.4	2.33	13.5	2.66	14.5	3.01	15.6	3.40	16.8	3.82	17.2	3.86
	25	10.3	1.90	11.4	2.19	12.4	2.51	13.5	2.86	14.5	3.24	15.6	3.66	16.6	3.96	16.9	4.00
	27	10.3	2.03	11.4	2.35	12.4	2.69	13.5	3.07	14.5	3.48	15.6	3.94	16.3	4.10	16.6	4.14
	30	10.3	2.26	11.4	2.61	12.4	2.99	13.5	3.41	14.5	3.89	15.3	4.23	15.9	4.32	16.1	4.37
	33	10.3	2.50	11.4	2.89	12.4	3.33	13.5	3.82	14.5	4.37	14.8	4.45	15.4	4.55	15.7	4.60
	35	10.3	2.68	11.4	3.11	12.4	3.59	13.5	4.13	14.3	4.55	14.5	4.60	15.1	4.70	15.4	4.76
	37	10.3	2.88	11.4	3.35	12.4	3.87	13.5	4.46	14.0	4.70	14.3	4.75	14.8	4.86	15.1	4.92
40	10.3	3.21	11.4	3.75	12.4	4.35	13.3	4.86	13.5	4.92	13.7	4.94	14.1	4.94	14.3	4.94	
43	10.3	3.59	11.4	4.20	12.4	4.90	12.7	4.94	12.8	4.94	13.0	4.94	13.4	4.94	13.6	4.94	
46	10.3	4.02	11.4	4.73	11.8	4.94	12.0	4.94	12.1	4.94	12.3	4.94	12.7	4.94	12.8	4.94	
13.3 (110%)	10	9.5	1.31	10.4	1.43	11.4	1.55	12.3	1.67	13.3	1.80	14.3	1.92	16.2	2.23	17.2	2.48
	15	9.5	1.31	10.4	1.43	11.4	1.52	12.3	1.72	13.3	1.94	14.3	2.18	16.2	2.71	17.1	2.97
	21	9.5	1.45	10.4	1.67	11.4	1.90	12.3	2.15	13.3	2.43	14.3	2.72	16.0	3.30	16.3	3.34
	23	9.5	1.56	10.4	1.79	11.4	2.04	12.3	2.31	13.3	2.61	14.3	2.93	15.8	3.43	16.1	3.46
	25	9.5	1.68	10.4	1.92	11.4	2.19	12.3	2.48	13.3	2.80	14.3	3.15	15.5	3.55	15.8	3.59
	27	9.5	1.80	10.4	2.06	11.4	2.35	12.3	2.67	13.3	3.01	14.3	3.38	15.3	3.68	15.6	3.72
	30	9.5	1.99	10.4	2.29	11.4	2.61	12.3	2.96	13.3	3.35	14.3	3.77	14.9	3.88	15.1	3.92
	33	9.5	2.21	10.4	2.54	11.4	2.90	12.3	3.30	13.3	3.74	13.9	4.00	14.5	4.09	14.7	4.14
	35	9.5	2.36	10.4	2.72	11.4	3.12	12.4	3.56	13.3	4.04	13.7	4.14	14.2	4.23	14.5	4.28
	37	9.5	2.53	10.4	2.92	11.4	3.36	12.3	3.84	13.1	4.24	13.4	4.28	13.9	4.38	14.2	4.43
40	9.5	2.82	10.4	3.26	11.4	3.76	12.3	4.30	12.7	4.45	13.0	4.50	13.4	4.54	13.6	4.54	
43	9.5	3.14	10.4	3.65	11.4	4.21	12.0	4.54	12.2	4.54	12.3	4.54	12.7	4.54	12.9	4.54	
46	9.5	3.51	10.4	4.09	11.1	4.54	11.3	4.54	11.5	4.54	11.6	4.54	12.0	4.54	12.2	4.54	
12.1 (100%)	10	8.6	1.20	9.5	1.31	10.3	1.42	11.2	1.53	12.1	1.64	13.0	1.75	14.7	1.98	15.6	2.09
	15	8.6	1.20	9.5	1.31	10.3	1.42	11.2	1.53	12.1	1.67	13.0	1.86	14.7	2.30	15.6	2.54
	21	8.6	1.28	9.5	1.46	10.3	1.65	11.2	1.86	12.1	2.09	13.0	2.33	14.7	2.87	15.6	3.17
	23	8.6	1.37	9.5	1.57	10.3	1.78	11.2	2.00	12.1	2.24	13.0	2.50	14.7	3.09	15.6	3.41
	25	8.6	1.47	9.5	1.68	10.3	1.91	11.2	2.15	12.1	2.41	13.0	2.69	14.7	3.32	15.3	3.53
	27	8.6	1.58	9.5	1.80	10.3	2.04	11.2	2.30	12.1	2.58	13.0	2.89	14.7	3.57	15.1	3.66
	30	8.6	1.75	9.5	2.00	10.3	2.27	11.2	2.56	12.1	2.87	13.0	3.21	14.5	3.82	14.7	3.86
	33	8.6	1.93	9.5	2.21	10.3	2.51	11.2	2.84	12.1	3.19	13.0	3.59	14.1	4.03	14.3	4.07
	35	8.6	2.07	9.5	2.37	10.3	2.69	11.2	3.05	12.1	3.44	13.0	3.87	13.8	4.13	13.9	4.13
	37	8.6	2.21	9.5	2.54	10.3	2.89	11.2	3.28	12.1	3.71	12.9	4.13	13.3	4.13	13.5	4.13
40	8.6	2.46	9.5	2.82	10.3	3.23	11.2	3.67	12.1	4.13	12.2	4.13	12.6	4.13	12.8	4.13	
43	8.6	2.73	9.5	3.15	10.3	3.61	11.2	4.12	11.4	4.13	11.6	4.13	11.9	4.13	12.1	4.13	
46	8.6	3.04	9.5	3.52	10.3	4.04	10.6	4.13	10.8	4.13	10.9	4.13	11.3	4.13	11.4	4.13	
10.8 (90%)	10	7.7	1.09	8.5	1.19	9.3	1.29	10.1	1.39	10.8	1.49	11.7	1.59	13.3	1.79	14.0	1.89
	15	7.7	1.09	8.5	1.19	9.3	1.29	10.1	1.39	10.8	1.49	11.7	1.59	13.3	1.93	14.0	2.12
	21	7.7	1.11	8.5	1.26	9.3	1.42	10.1	1.60	10.8	1.78	11.7	1.98	13.3	2.41	14.0	2.65
	23	7.7	1.20	8.5	1.36	9.3	1.53	10.1	1.71	10.8	1.91	11.7	2.12	13.3	2.59	14.0	2.85
	25	7.7	1.28	8.5	1.46	9.3	1.64	10.1	1.84	10.8	2.05	11.7	2.28	13.3	2.78	14.0	3.06
	27	7.7	1.37	8.5	1.56	9.3	1.76	10.1	1.97	10.8	2.20	11.7	2.45	13.3	2.99	14.0	3.29
	30	7.7	1.52	8.5	1.73	9.3	1.95	10.1	2.19	10.8	2.44	11.7	2.72	13.3	3.32	14.0	3.67
	33	7.7	1.68	8.5	1.91	9.3	2.16	10.1	2.42	10.8	2.71	11.7	3.01	13.3	3.72	13.5	4.00
	35	7.7	1.80	8.5	2.04	9.3	2.31	10.1	2.60	10.8	2.91	11.7	3.25	12.8	4.01	13.0	4.07
	37	7.7	1.92	8.5	2.19	9.3	2.47	10.1	2.79	10.8	3.13	11.7	3.50	12.4	4.10	12.6	4.10
40	7.7	2.12	8.5	2.43	9.3	2.75	10.1	3.11	10.8	3.50	11.4	3.73	11.7	3.73	11.9	3.73	
43	7.7	2.36	8.5	2.70	9.3	3.07	10.1	3.47	10.6	3.73	10.8	3.73	11.1	3.73	11.3	3.73	
46	7.7	2.62	8.5	3.01	9.3	3.43	9.9	3.73	10.0	3.73	10.2	3.73	10.5	3.73	10.7	3.73	

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

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
9.6 (80%)	10	6.9	0.98	7.6	1.07	8.3	1.16	9.0	1.24	9.6	1.33	10.4	1.42	11.8	1.60	12.5	1.69
	15	6.9	0.98	7.6	1.07	8.3	1.16	9.0	1.24	9.6	1.33	10.4	1.42	11.8	1.60	12.5	1.75
	21	6.9	1.00	7.6	1.09	8.3	1.21	9.0	1.35	9.6	1.50	10.4	1.66	11.8	2.00	12.5	2.19
	23	6.9	1.05	7.6	1.16	8.3	1.31	9.0	1.45	9.6	1.61	10.4	1.78	11.8	2.15	12.5	2.35
	25	6.9	1.11	7.6	1.25	8.3	1.40	9.0	1.56	9.6	1.73	10.4	1.91	11.8	2.31	12.5	2.53
	27	6.9	1.18	7.6	1.34	8.3	1.50	9.0	1.67	9.6	1.86	10.4	2.05	11.8	2.48	12.5	2.71
	30	6.9	1.31	7.6	1.48	8.3	1.66	9.0	1.85	9.6	2.06	10.4	2.28	11.8	2.75	12.5	3.02
	33	6.9	1.45	7.6	1.64	8.3	1.84	9.0	2.05	9.6	2.28	10.4	2.52	11.8	3.06	12.5	3.36
	35	6.9	1.55	7.6	1.75	8.3	1.96	9.0	2.19	9.6	2.44	10.4	2.70	11.8	3.29	12.5	3.62
	37	6.9	1.65	7.6	1.87	8.3	2.10	9.0	2.35	9.6	2.62	10.4	2.91	11.8	3.55	12.2	3.91
	40	6.9	1.82	7.6	2.06	8.3	2.33	9.0	2.61	9.6	2.92	10.4	3.24	11.0	3.42	11.1	3.42
	43	6.9	2.01	7.6	2.29	8.3	2.59	9.0	2.91	9.6	3.25	10.1	3.46	10.4	3.45	10.6	3.45
	46	6.9	2.24	7.6	2.55	8.3	2.88	9.0	3.25	9.5	3.50	9.6	3.49	9.9	3.48	10.0	3.47
8.4 (70%)	10	6.0	0.87	6.6	0.95	7.2	1.02	7.9	1.10	8.4	1.18	9.1	1.26	10.3	1.41	10.9	1.49
	15	6.0	0.87	6.6	0.95	7.2	1.02	7.9	1.10	8.4	1.18	9.1	1.26	10.3	1.41	10.9	1.49
	21	6.0	0.89	6.6	0.97	7.2	1.05	7.9	1.13	8.4	1.25	9.1	1.38	10.3	1.64	10.9	1.79
	23	6.0	0.93	6.6	1.01	7.2	1.10	7.9	1.22	8.4	1.35	9.1	1.48	10.3	1.76	10.9	1.92
	25	6.0	0.97	6.6	1.06	7.2	1.18	7.9	1.31	8.4	1.44	9.1	1.59	10.3	1.89	10.9	2.06
	27	6.0	1.01	6.6	1.13	7.2	1.26	7.9	1.40	8.4	1.55	9.1	1.70	10.3	2.03	10.9	2.21
	30	6.0	1.12	6.6	1.25	7.2	1.40	7.9	1.55	8.4	1.71	9.1	1.88	10.3	2.25	10.9	2.45
	33	6.0	1.23	6.6	1.38	7.2	1.54	7.9	1.72	8.4	1.90	9.1	2.09	10.3	2.50	10.9	2.72
	35	6.0	1.31	6.6	1.48	7.2	1.65	7.9	1.83	8.4	2.03	9.1	2.23	10.3	2.67	10.9	2.92
	37	6.0	1.40	6.6	1.58	7.2	1.76	7.9	1.96	8.4	2.17	9.1	2.39	10.3	2.88	10.9	3.14
	40	6.0	1.54	6.6	1.74	7.2	1.94	7.9	2.17	8.4	2.40	9.1	2.66	10.3	3.21	10.8	3.42
	43	6.0	1.70	6.6	1.92	7.2	2.16	7.9	2.41	8.4	2.67	9.1	2.96	10.1	3.45	10.3	3.45
	46	6.0	1.88	6.6	2.13	7.2	2.40	7.9	2.68	8.4	2.98	9.1	3.30	9.6	3.48	9.7	3.47
7.2 (60%)	10	5.2	0.76	5.7	0.82	6.2	0.89	6.7	0.96	7.2	1.03	7.8	1.09	8.8	1.23	9.4	1.29
	15	5.2	0.68	5.7	0.74	6.2	0.89	6.7	0.96	7.2	1.03	7.8	1.09	8.8	1.23	9.4	1.29
	21	5.2	0.77	5.7	0.84	6.2	0.91	6.7	0.98	7.2	1.05	7.8	1.12	8.8	1.32	9.4	1.43
	23	5.2	0.81	5.7	0.88	6.2	0.95	6.7	1.03	7.2	1.10	7.8	1.20	8.8	1.42	9.4	1.54
	25	5.2	0.84	5.7	0.92	6.2	1.00	6.7	1.08	7.2	1.18	7.8	1.29	8.8	1.53	9.4	1.65
	27	5.2	0.88	5.7	0.96	6.2	1.05	6.7	1.15	7.2	1.27	7.8	1.39	8.8	1.64	9.4	1.77
	30	5.2	0.94	5.7	1.04	6.2	1.16	6.7	1.28	7.2	1.40	7.8	1.53	8.8	1.81	9.4	1.96
	33	5.2	1.03	5.7	1.15	6.2	1.28	6.7	1.41	7.2	1.55	7.8	1.70	8.8	2.01	9.4	2.17
	35	5.2	1.10	5.7	1.23	6.2	1.36	6.7	1.51	7.2	1.65	7.8	1.81	8.8	2.15	9.4	2.33
	37	5.2	1.17	5.7	1.31	6.2	1.45	6.7	1.61	7.2	1.77	7.8	1.93	8.8	2.29	9.4	2.49
	40	5.2	1.28	5.7	1.44	6.2	1.60	6.7	1.77	7.2	1.95	7.8	2.14	8.8	2.55	9.4	2.78
	43	5.2	1.41	5.7	1.59	6.2	1.77	6.7	1.96	7.2	2.16	7.8	2.38	8.8	2.84	9.4	3.09
	46	5.2	1.56	5.7	1.75	6.2	1.96	6.7	2.17	7.2	2.40	7.8	2.64	8.8	3.17	9.4	3.46
6.1 (50%)	10	4.3	0.65	4.7	0.70	5.2	0.76	5.6	0.82	6.1	0.87	6.5	0.93	7.4	1.04	7.8	1.09
	15	4.3	0.65	4.7	0.70	5.2	0.76	5.6	0.82	6.1	0.87	6.5	0.93	7.4	1.04	7.8	1.09
	21	4.3	0.66	4.7	0.72	5.2	0.78	5.6	0.83	6.1	0.89	6.5	0.95	7.4	1.06	7.8	1.12
	23	4.3	0.69	4.7	0.75	5.2	0.81	5.6	0.87	6.1	0.93	6.5	0.99	7.4	1.12	7.8	1.21
	25	4.3	0.72	4.7	0.78	5.2	0.85	5.6	0.91	6.1	0.97	6.5	1.04	7.4	1.20	7.8	1.30
	27	4.3	0.75	4.7	0.82	5.2	0.88	5.6	0.95	6.1	1.02	6.5	1.10	7.4	1.29	7.8	1.39
	30	4.3	0.80	4.7	0.87	5.2	0.94	5.6	1.03	6.1	1.12	6.5	1.22	7.4	1.43	7.8	1.54
	33	4.3	0.85	4.7	0.94	5.2	1.03	5.6	1.13	6.1	1.24	6.5	1.35	7.4	1.58	7.8	1.70
	35	4.3	0.90	4.7	1.00	5.2	1.10	5.6	1.21	6.1	1.32	6.5	1.44	7.4	1.68	7.8	1.82
	37	4.3	0.95	4.7	1.06	5.2	1.17	5.6	1.29	6.1	1.41	6.5	1.53	7.4	1.80	7.8	1.94
	40	4.3	1.05	4.7	1.16	5.2	1.29	5.6	1.42	6.1	1.55	6.5	1.69	7.4	1.99	7.8	2.15
	43	4.3	1.15	4.7	1.28	5.2	1.42	5.6	1.56	6.1	1.71	6.5	1.87	7.4	2.21	7.8	2.38
	46	4.3	1.26	4.7	1.41	5.2	1.56	5.6	1.73	6.1	1.89	6.5	2.07	7.4	2.45	7.8	2.65

MODEL SELECTION

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