

COOLING CAPACITY

MODEL : AJ*126LALBH

● Capacity : 40.0 kW (14HP)

MODEL SELECTION

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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
60.0 (150%)	10	39.7	7.46	44.7	8.35	49.8	9.24	52.1	9.47	53.4	9.47	54.7	9.46	57.4	9.45	58.7	9.43
	15	39.7	7.68	44.7	8.60	49.8	9.51	51.7	9.66	53.0	9.66	54.3	9.66	56.9	9.64	58.3	9.63
	21	39.7	8.10	44.7	9.08	49.7	10.01	50.9	10.01	52.2	10.03	53.2	10.12	55.4	10.30	56.4	10.38
	23	39.7	8.29	44.7	9.28	49.2	10.21	50.3	10.30	51.4	10.40	52.4	10.49	54.5	10.67	55.5	10.75
	25	39.7	8.49	44.7	9.51	48.5	10.57	49.5	10.67	50.5	10.76	51.6	10.86	53.6	11.04	54.6	11.12
	27	39.7	8.72	44.7	9.98	47.7	10.93	48.7	11.03	49.7	11.13	50.7	11.23	52.7	11.43	53.6	11.53
	30	39.7	9.11	44.7	11.03	46.4	11.51	47.4	11.63	48.4	11.74	49.3	11.85	51.2	12.06	52.2	12.16
	33	39.7	10.07	44.2	12.00	45.1	12.12	46.1	12.24	47.0	12.35	47.9	12.46	49.8	12.68	50.7	12.79
	35	39.7	10.81	43.3	12.40	44.2	12.53	45.2	12.65	46.1	12.76	47.0	12.88	48.8	13.10	49.7	13.21
	37	39.7	11.61	42.4	12.81	43.3	12.93	44.2	13.06	45.1	13.18	46.0	13.29	47.8	13.52	48.7	13.63
56.0 (140%)	10	37.0	7.00	41.8	7.83	46.5	8.66	51.2	9.47	52.5	9.47	53.7	9.47	56.3	9.45	57.6	9.44
	15	37.0	7.20	41.8	8.06	46.5	8.92	50.8	9.65	52.0	9.66	53.3	9.66	55.9	9.65	57.2	9.64
	21	37.0	7.60	41.8	8.51	46.5	9.41	50.0	10.01	51.3	10.01	52.4	10.06	54.6	10.23	55.6	10.31
	23	37.0	7.77	41.8	8.70	46.5	9.62	49.6	10.24	50.6	10.33	51.6	10.42	53.7	10.60	54.7	10.69
	25	37.0	7.96	41.8	8.91	46.5	9.96	48.8	10.60	49.8	10.70	50.8	10.79	52.8	10.97	53.8	11.06
	27	37.0	8.18	41.8	9.15	46.5	10.63	48.0	10.96	49.0	11.06	50.0	11.16	51.9	11.36	52.9	11.46
	30	37.0	8.54	41.8	9.86	45.8	11.44	46.8	11.55	47.7	11.66	48.7	11.77	50.6	11.98	51.5	12.08
	33	37.0	9.03	41.8	10.95	44.5	12.04	45.5	12.16	46.4	12.28	47.3	12.39	49.1	12.61	50.1	12.71
	35	37.0	9.69	41.8	11.77	43.7	12.45	44.6	12.57	45.5	12.69	46.4	12.80	48.2	13.03	49.1	13.13
	37	37.0	10.39	41.8	12.65	42.8	12.86	43.7	12.98	44.6	13.10	45.5	13.22	47.2	13.45	48.1	13.56
52.0 (130%)	10	34.4	6.54	38.8	7.31	43.2	8.08	47.6	8.85	51.4	9.47	52.6	9.47	55.2	9.46	56.4	9.45
	15	34.4	6.73	38.8	7.52	43.2	8.32	47.6	9.11	51.0	9.66	52.2	9.66	54.7	9.65	56.0	9.65
	21	34.4	7.10	38.8	7.94	43.2	8.78	47.6	9.62	50.3	10.01	51.5	10.02	53.6	10.16	54.7	10.24
	23	34.4	7.25	38.8	8.12	43.2	8.98	47.6	9.84	49.8	10.26	50.8	10.35	52.8	10.53	53.8	10.61
	25	34.4	7.43	38.8	8.32	43.2	9.20	47.6	10.34	49.0	10.62	50.0	10.71	52.0	10.90	53.0	10.98
	27	34.4	7.63	38.8	8.54	43.2	9.45	47.3	10.89	48.2	10.99	49.2	11.08	51.1	11.28	52.1	11.37
	30	34.4	7.97	38.8	8.92	43.2	10.39	46.1	11.47	47.0	11.58	47.9	11.69	49.8	11.90	50.7	12.00
	33	34.4	8.36	38.8	9.71	43.2	11.58	44.8	12.08	45.7	12.19	46.6	12.30	48.4	12.52	49.3	12.63
	35	34.4	8.69	38.8	10.42	43.0	12.37	43.9	12.49	44.8	12.60	45.7	12.72	47.5	12.94	48.4	13.05
	37	34.4	9.27	38.8	11.19	42.2	12.77	43.1	12.90	43.9	13.02	44.8	13.13	46.6	13.36	47.5	13.47
48.0 (120%)	10	31.7	6.08	35.8	6.79	39.9	7.50	43.9	8.21	48.0	8.92	51.4	9.47	53.9	9.47	55.1	9.46
	15	31.7	6.25	35.8	6.99	39.9	7.72	43.9	8.45	48.0	9.18	51.0	9.66	53.5	9.66	54.7	9.66
	21	31.7	6.59	35.8	7.37	39.9	8.14	43.9	8.92	48.0	9.70	50.3	10.01	52.6	10.07	53.6	10.15
	23	31.7	6.74	35.8	7.53	39.9	8.33	43.9	9.12	48.0	9.92	49.8	10.26	51.8	10.44	52.8	10.53
	25	31.7	6.90	35.8	7.72	39.9	8.53	43.9	9.35	48.0	10.49	49.1	10.63	51.0	10.81	52.0	10.90
	27	31.7	7.09	35.8	7.92	39.9	8.76	43.9	9.69	47.4	10.90	48.3	10.99	50.2	11.18	51.2	11.28
	30	31.7	7.40	35.8	8.28	39.9	9.18	43.9	10.69	46.2	11.48	47.1	11.59	48.9	11.80	49.8	11.90
	33	31.7	7.76	35.8	8.69	39.9	10.15	43.9	11.93	44.9	12.09	45.8	12.21	47.6	12.43	48.5	12.53
	35	31.7	8.06	35.8	9.20	39.9	10.90	43.2	12.39	44.1	12.51	45.0	12.62	46.7	12.84	47.6	12.95
	37	31.7	8.39	35.8	9.87	39.9	11.70	42.4	12.80	43.2	12.92	44.1	13.04	45.8	13.26	46.7	13.38
44.0 (110%)	10	29.1	5.62	32.8	6.27	36.5	6.92	40.3	7.57	44.0	8.22	47.7	8.87	52.4	9.47	53.6	9.47
	15	29.1	5.78	32.8	6.45	36.5	7.12	40.3	7.79	44.0	8.46	47.7	9.13	52.1	9.66	53.2	9.66
	21	29.1	6.09	32.8	6.80	36.5	7.51	40.3	8.22	44.0	8.93	47.7	9.64	51.3	10.01	52.4	10.06
	23	29.1	6.22	32.8	6.95	36.5	7.68	40.3	8.41	44.0	9.13	47.7	9.86	50.7	10.34	51.7	10.43
	25	29.1	6.37	32.8	7.12	36.5	7.87	40.3	8.61	44.0	9.36	47.7	10.39	49.9	10.71	50.9	10.80
	27	29.1	6.54	32.8	7.31	36.5	8.08	40.3	8.85	44.0	9.72	47.3	10.89	49.2	11.08	50.1	11.17
	30	29.1	6.83	32.8	7.63	36.5	8.44	40.3	9.32	44.0	10.72	46.1	11.48	47.9	11.69	48.8	11.79
	33	29.1	7.16	32.8	8.01	36.5	8.86	40.3	10.32	44.0	11.96	44.9	12.09	46.7	12.31	47.5	12.42
	35	29.1	7.43	32.8	8.32	36.5	9.50	40.3	11.08	43.2	12.39	44.1	12.51	45.8	12.73	46.7	12.84
	37	29.1	7.74	32.8	8.66	36.5	10.19	40.3	11.90	42.4	12.80	43.3	12.92	44.9	13.15	45.8	13.26

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.

