

MODEL : AJ*108LALBH

COOLING CAPACITY

Capacity : 33.5 kW (12HP)

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
50.2 (150%)	10	33.2	6.09	37.5	6.82	41.7	7.55	43.6	7.74	44.7	7.73	45.8	7.73	48.1	7.72	49.2	7.71
	15	33.2	6.27	37.5	7.02	41.7	7.77	43.3	7.89	44.4	7.89	45.5	7.89	47.7	7.88	48.8	7.87
	21	33.2	6.62	37.5	7.41	41.6	8.18	42.7	8.18	43.7	8.20	44.6	8.28	46.4	8.42	47.3	8.49
	23	33.2	6.77	37.5	7.58	41.2	8.35	42.1	8.42	43.0	8.50	43.9	8.58	45.6	8.72	46.5	8.79
	25	33.2	6.93	37.5	7.77	40.6	8.64	41.5	8.72	42.3	8.80	43.2	8.88	44.9	9.03	45.7	9.10
	27	33.2	7.12	37.5	8.16	39.9	8.94	40.8	9.02	41.6	9.10	42.4	9.18	44.1	9.35	44.9	9.43
	30	33.2	7.44	37.5	9.02	38.9	9.41	39.7	9.51	40.5	9.60	41.3	9.69	42.9	9.86	43.7	9.94
	33	33.2	8.23	37.0	9.81	37.8	9.91	38.6	10.01	39.4	10.10	40.1	10.19	41.7	10.37	42.5	10.46
	35	33.2	8.84	36.3	10.14	37.0	10.24	37.8	10.34	38.6	10.44	39.4	10.53	40.9	10.72	41.7	10.80
	37	33.2	9.49	35.5	10.48	36.3	10.58	37.1	10.68	37.8	10.78	38.6	10.87	40.1	11.06	40.8	11.15
40	33.2	10.57	34.4	10.98	35.2	11.08	35.9	11.19	36.6	11.29	37.4	11.39	38.8	11.58	39.6	11.67	
43	32.6	11.36	33.3	11.48	34.0	11.59	34.7	11.69	35.4	11.80	36.2	11.90	37.6	12.10	38.3	12.19	
46	31.5	11.87	32.2	11.98	32.9	12.09	33.6	12.21	34.2	12.31	34.9	12.42	36.3	12.62	37.0	12.71	
46.9 (140%)	10	31.0	5.71	35.0	6.39	39.0	7.07	42.9	7.73	43.9	7.74	45.0	7.73	47.2	7.72	48.3	7.72
	15	31.0	5.88	35.0	6.58	39.0	7.28	42.5	7.89	43.6	7.89	44.7	7.89	46.8	7.88	47.9	7.88
	21	31.0	6.20	35.0	6.95	39.0	7.69	41.9	8.18	43.0	8.18	43.9	8.22	45.7	8.37	46.6	8.43
	23	31.0	6.34	35.0	7.10	39.0	7.86	41.5	8.37	42.4	8.45	43.2	8.52	45.0	8.67	45.8	8.74
	25	31.0	6.50	35.0	7.28	39.0	8.14	40.9	8.67	41.7	8.75	42.6	8.82	44.2	8.97	45.1	9.04
	27	31.0	6.68	35.0	7.48	39.0	8.69	40.2	8.97	41.0	9.05	41.9	9.13	43.5	9.29	44.3	9.37
	30	31.0	6.98	35.0	8.06	38.4	9.35	39.2	9.45	40.0	9.54	40.7	9.63	42.3	9.80	43.1	9.88
	33	31.0	7.38	35.0	8.95	37.3	9.85	38.1	9.95	38.8	10.04	39.6	10.13	41.2	10.31	41.9	10.40
	35	31.0	7.92	35.0	9.62	36.6	10.18	37.3	10.28	38.1	10.38	38.9	10.47	40.4	10.66	41.1	10.74
	37	31.0	8.49	35.0	10.34	35.8	10.52	36.6	10.62	37.3	10.72	38.1	10.81	39.6	11.00	40.3	11.09
40	31.0	9.44	34.0	10.91	34.7	11.02	35.5	11.12	36.2	11.23	36.9	11.33	38.4	11.52	39.1	11.61	
43	31.0	10.51	32.9	11.42	33.6	11.53	34.3	11.63	35.0	11.74	35.7	11.84	37.1	12.04	37.8	12.13	
46	31.0	11.72	31.8	11.92	32.5	12.03	33.2	12.14	33.9	12.25	34.5	12.36	35.9	12.56	36.6	12.66	
43.5 (130%)	10	28.8	5.33	32.5	5.96	36.2	6.59	39.9	7.23	43.0	7.73	44.1	7.74	46.2	7.73	47.3	7.72
	15	28.8	5.49	32.5	6.14	36.2	6.79	39.9	7.44	42.7	7.89	43.8	7.89	45.8	7.89	46.9	7.88
	21	28.8	5.79	32.5	6.48	36.2	7.17	39.9	7.86	42.1	8.18	43.1	8.18	44.9	8.30	45.8	8.37
	23	28.8	5.92	32.5	6.63	36.2	7.33	39.9	8.04	41.7	8.39	42.5	8.46	44.2	8.61	45.1	8.68
	25	28.8	6.07	32.5	6.79	36.2	7.51	39.9	8.46	41.0	8.68	41.9	8.76	43.5	8.91	44.4	8.98
	27	28.8	6.23	32.5	6.97	36.2	7.72	39.6	8.90	40.4	8.98	41.2	9.06	42.8	9.22	43.6	9.30
	30	28.8	6.51	32.5	7.29	36.2	8.50	38.6	9.38	39.4	9.47	40.1	9.56	41.7	9.73	42.5	9.82
	33	28.8	6.83	32.5	7.94	36.2	9.47	37.5	9.88	38.3	9.97	39.0	10.06	40.6	10.24	41.3	10.33
	35	28.8	7.10	32.5	8.52	36.0	10.11	36.8	10.21	37.5	10.31	38.3	10.40	39.8	10.59	40.5	10.67
	37	28.8	7.58	32.5	9.15	35.3	10.45	36.1	10.55	36.8	10.65	37.5	10.74	39.0	10.93	39.7	11.02
40	28.8	8.41	32.5	10.18	34.3	10.95	35.0	11.05	35.7	11.16	36.4	11.26	37.8	11.45	38.5	11.54	
43	28.8	9.34	32.5	11.34	33.2	11.46	33.9	11.56	34.6	11.67	35.3	11.77	36.6	11.97	37.3	12.06	
46	28.8	10.39	31.4	11.85	32.1	11.96	32.7	12.07	33.4	12.18	34.1	12.29	35.4	12.49	36.1	12.59	
40.2 (120%)	10	26.6	4.95	30.0	5.54	33.4	6.12	36.8	6.70	40.2	7.28	43.1	7.73	45.1	7.73	46.2	7.73
	15	26.6	5.10	30.0	5.70	33.4	6.30	36.8	6.90	40.2	7.50	42.8	7.89	44.8	7.89	45.8	7.89
	21	26.6	5.38	30.0	6.01	33.4	6.65	36.8	7.29	40.2	7.92	42.2	8.18	44.1	8.23	44.9	8.30
	23	26.6	5.50	30.0	6.15	33.4	6.80	36.8	7.45	40.2	8.10	41.7	8.39	43.4	8.54	44.2	8.61
	25	26.6	5.63	30.0	6.30	33.4	6.97	36.8	7.64	40.2	8.58	41.1	8.69	42.7	8.84	43.5	8.91
	27	26.6	5.78	30.0	6.47	33.4	7.16	36.8	7.93	39.7	8.91	40.5	8.99	42.1	9.14	42.8	9.22
	30	26.6	6.04	30.0	6.76	33.4	7.50	36.8	8.75	38.7	9.39	39.4	9.48	41.0	9.65	41.7	9.74
	33	26.6	6.33	30.0	7.09	33.4	8.30	36.8	9.75	37.6	9.89	38.4	9.98	39.9	10.16	40.6	10.25
	35	26.6	6.58	30.0	7.52	33.4	8.91	36.2	10.13	36.9	10.23	37.7	10.32	39.1	10.51	39.9	10.60
	37	26.6	6.85	30.0	8.06	33.4	9.57	35.5	10.47	36.2	10.57	36.9	10.66	38.4	10.85	39.1	10.94
40	26.6	7.46	30.0	8.95	33.4	10.66	34.4	10.97	35.1	11.08	35.8	11.18	37.2	11.37	37.9	11.46	
43	26.6	8.27	30.0	9.96	32.7	11.37	33.3	11.48	34.0	11.59	34.7	11.69	36.1	11.89	36.8	11.98	
46	26.6	9.18	30.0	11.09	31.6	11.88	32.2	11.99	32.9	12.10	33.6	12.21	34.9	12.41	35.6	12.51	
36.8 (110%)	10	24.4	4.57	27.5	5.11	30.6	5.64	33.7	6.18	36.8	6.71	40.0	7.25	43.9	7.74	44.9	7.73
	15	24.4	4.71	27.5	5.26	30.6	5.81	33.7	6.36	36.8	6.91	40.0	7.46	43.6	7.89	44.6	7.89
	21	24.4	4.96	27.5	5.55	30.6	6.13	33.7	6.71	36.8	7.30	40.0	7.88	43.0	8.18	43.9	8.22
	23	24.4	5.07	27.5	5.67	30.6	6.27	33.7	6.86	36.8	7.46	40.0	8.06	42.5	8.45	43.3	8.52
	25	24.4	5.20	27.5	5.81	30.6	6.42	33.7	7.04	36.8	7.65	40.0	8.50	41.8	8.76	42.6	8.83
	27	24.4	5.33	27.5	5.96	30.6	6.59	33.7	7.23	36.8	7.94	39.6	8.91	41.2	9.06	42.0	9.13
	30	24.4	5.57	27.5	6.23	30.6	6.89	33.7	7.62	36.8	8.77	38.6	9.39	40.1	9.56	40.9	9.64
	33	24.4	5.84	27.5	6.54	30.6	7.23	33.7	8.43	36.8	9.78	37.6	9.89	39.1	10.07	39.8	10.16
	35	24.4	6.07	27.5	6.79	30.6	7.76	33.7	9.06	36.2	10.13	36.9	10.23	38.4	10.41	39.1	10.50
	37	24.4	6.32	27.5	7.07	30.6	8.33	33.7	9.73	35.5	10.47	36.2	10.57	37.6	10.76	38.4	10.85
40	24.4	6.74	27.5	7.84	30.6	9.25	33.7	10.84	34.5	10.98	35.2	11.08	36.5	11.28	37.2	11.37	
43	24.4	7.29	27.5	8.70	30.6	10.29	32.7	11.39	33.4	11.49	34.1	11.60	35.4	11.80	36.1	11.89	
46	24.4	8.07	27.5	9.66	30.6	11.47	31.7	11.90	32.3	12.01	33.0	12.12	34.3	12.32	34.9	12.42	

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.

