

COOLING CAPACITY

■ MODEL : AJ*090LALBH

● Capacity : 28.0 kW (10HP)

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
42.0 (150%)	10	27.8	4.95	31.3	5.55	34.9	6.14	36.2	6.24	37.1	6.22	38.0	6.21	39.8	6.18	40.7	6.16
	15	27.8	5.10	31.3	5.72	34.9	6.33	35.9	6.37	36.8	6.36	37.7	6.35	39.5	6.31	40.4	6.29
	21	27.8	5.39	31.3	6.05	34.6	6.62	35.4	6.62	36.3	6.61	37.2	6.60	38.8	6.61	39.6	6.64
	23	27.8	5.52	31.3	6.19	34.4	6.73	35.2	6.73	36.0	6.77	36.7	6.80	38.2	6.87	39.0	6.91
	25	27.8	5.66	31.3	6.35	33.9	6.94	34.7	6.98	35.4	7.02	36.1	7.06	37.6	7.14	38.4	7.17
	27	27.8	5.82	31.3	6.64	33.4	7.20	34.1	7.24	34.8	7.29	35.6	7.33	37.0	7.40	37.7	7.44
	30	27.8	6.14	31.3	7.32	32.6	7.58	33.3	7.63	34.0	7.68	34.7	7.72	36.1	7.80	36.8	7.84
	33	27.8	6.75	31.0	7.92	31.7	7.97	32.4	8.03	33.1	8.08	33.8	8.13	35.2	8.24	35.8	8.28
	35	27.8	7.19	30.5	8.20	31.1	8.26	31.8	8.32	32.5	8.38	33.1	8.44	34.5	8.55	35.2	8.60
	37	27.8	7.71	29.9	8.49	30.5	8.56	31.2	8.62	31.8	8.68	32.5	8.74	33.8	8.86	34.5	8.92
	40	27.8	8.56	28.9	8.93	29.6	9.00	30.2	9.07	30.9	9.14	31.5	9.21	32.8	9.34	33.5	9.40
43	27.4	9.30	28.0	9.38	28.7	9.45	29.3	9.53	29.9	9.60	30.6	9.67	31.8	9.81	32.5	9.88	
46	26.5	9.74	27.1	9.82	27.7	9.90	28.3	9.99	28.9	10.06	29.6	10.14	30.8	10.30	31.4	10.37	
39.2 (140%)	10	25.9	4.64	29.2	5.19	32.6	5.75	35.6	6.24	36.5	6.23	37.3	6.22	39.1	6.19	39.9	6.17
	15	25.9	4.78	29.2	5.36	32.6	5.93	35.3	6.38	36.2	6.37	37.0	6.36	38.8	6.33	39.6	6.31
	21	25.9	5.05	29.2	5.66	32.6	6.27	34.8	6.62	35.7	6.61	36.5	6.61	38.2	6.58	39.0	6.62
	23	25.9	5.17	29.2	5.80	32.6	6.42	34.6	6.73	35.4	6.74	36.2	6.78	37.6	6.85	38.4	6.88
	25	25.9	5.30	29.2	5.94	32.6	6.59	34.1	6.95	34.9	7.00	35.6	7.04	37.1	7.11	37.8	7.15
	27	25.9	5.45	29.2	6.11	32.6	7.03	33.6	7.21	34.3	7.26	35.0	7.30	36.5	7.38	37.2	7.41
	30	25.9	5.70	29.2	6.61	32.1	7.55	32.8	7.60	33.5	7.65	34.2	7.69	35.6	7.77	36.3	7.81
	33	25.9	6.13	29.2	7.27	31.3	7.94	32.0	7.99	32.6	8.05	33.3	8.10	34.7	8.20	35.4	8.25
	35	25.9	6.53	29.2	7.77	30.7	8.23	31.4	8.29	32.0	8.34	32.7	8.40	34.0	8.51	34.7	8.56
	37	25.9	6.97	29.2	8.34	30.1	8.52	30.8	8.58	31.4	8.64	32.1	8.71	33.4	8.82	34.0	8.88
	40	25.9	7.73	28.6	8.89	29.2	8.96	29.9	9.03	30.5	9.10	31.1	9.16	32.4	9.29	33.1	9.36
43	25.9	8.58	27.7	9.33	28.3	9.41	28.9	9.48	29.5	9.56	30.2	9.63	31.4	9.77	32.1	9.84	
46	25.9	9.53	26.8	9.78	27.4	9.86	28.0	9.94	28.6	10.02	29.2	10.10	30.4	10.25	31.0	10.32	
36.4 (130%)	10	24.1	4.33	27.1	4.85	30.2	5.36	33.3	5.88	35.7	6.24	36.6	6.23	38.3	6.21	39.1	6.19
	15	24.1	4.46	27.1	5.00	30.2	5.53	33.3	6.06	35.5	6.37	36.3	6.36	38.0	6.34	38.9	6.33
	21	24.1	4.71	27.1	5.28	30.2	5.85	33.3	6.41	35.0	6.62	35.8	6.61	37.5	6.59	38.3	6.59
	23	24.1	4.82	27.1	5.40	30.2	5.98	33.3	6.56	34.8	6.72	35.5	6.74	37.0	6.82	37.7	6.85
	25	24.1	4.95	27.1	5.54	30.2	6.14	33.3	6.82	34.3	6.96	35.0	7.00	36.5	7.08	37.2	7.12
	27	24.1	5.08	27.1	5.70	30.2	6.31	33.1	7.18	33.8	7.22	34.5	7.26	35.9	7.34	36.6	7.38
	30	24.1	5.31	27.1	5.96	30.2	6.94	32.3	7.57	33.0	7.61	33.7	7.66	35.0	7.74	35.7	7.78
	33	24.1	5.59	27.1	6.54	30.2	7.64	31.5	7.95	32.1	8.01	32.8	8.06	34.1	8.16	34.8	8.21
	35	24.1	5.90	27.1	6.97	30.2	8.18	30.9	8.24	31.6	8.30	32.2	8.36	33.5	8.47	34.2	8.52
	37	24.1	6.28	27.1	7.46	29.7	8.48	30.3	8.54	31.0	8.60	31.6	8.66	32.9	8.78	33.5	8.84
	40	24.1	6.95	27.1	8.28	28.8	8.92	29.4	8.98	30.0	9.05	30.7	9.12	31.9	9.25	32.6	9.31
43	24.1	7.71	27.1	9.20	27.9	9.36	28.5	9.43	29.1	9.51	29.7	9.58	31.0	9.72	31.6	9.79	
46	24.1	8.55	26.4	9.73	27.0	9.81	27.6	9.89	28.2	9.97	28.8	10.05	30.0	10.20	30.6	10.27	
33.6 (120%)	10	22.2	4.02	25.1	4.50	27.9	4.97	30.8	5.45	33.6	5.93	35.8	6.24	37.4	6.22	38.3	6.21
	15	22.2	4.14	25.1	4.63	27.9	5.13	30.8	5.62	33.6	6.11	35.5	6.37	37.2	6.35	38.0	6.34
	21	22.2	4.37	25.1	4.90	27.9	5.42	30.8	5.94	33.6	6.46	35.0	6.62	36.7	6.60	37.5	6.59
	23	22.2	4.48	25.1	5.01	27.9	5.55	30.8	6.08	33.6	6.62	34.8	6.72	36.3	6.78	37.0	6.82
	25	22.2	4.59	25.1	5.14	27.9	5.69	30.8	6.24	33.6	6.91	34.3	6.97	35.8	7.04	36.5	7.08
	27	22.2	4.72	25.1	5.28	27.9	5.85	30.8	6.46	33.1	7.18	33.8	7.23	35.2	7.31	35.9	7.35
	30	22.2	4.93	25.1	5.52	27.9	6.19	30.8	7.12	32.4	7.57	33.0	7.62	34.4	7.70	35.1	7.74
	33	22.2	5.18	25.1	5.86	27.9	6.80	30.8	7.83	31.6	7.96	32.2	8.01	33.5	8.12	34.2	8.16
	35	22.2	5.37	25.1	6.24	27.9	7.24	30.4	8.20	31.0	8.25	31.6	8.31	32.9	8.42	33.6	8.47
	37	22.2	5.64	25.1	6.64	27.9	7.77	29.8	8.49	30.4	8.55	31.1	8.61	32.3	8.73	33.0	8.78
	40	22.2	6.22	25.1	7.37	27.9	8.63	28.9	8.93	29.5	9.00	30.2	9.06	31.4	9.19	32.0	9.26
43	22.2	6.89	25.1	8.17	27.4	9.31	28.0	9.38	28.7	9.45	29.3	9.52	30.5	9.66	31.1	9.73	
46	22.2	7.63	25.1	9.07	26.6	9.75	27.2	9.83	27.7	9.91	28.3	9.99	29.5	10.14	30.1	10.21	
30.8 (110%)	10	20.4	3.71	23.0	4.15	25.6	4.58	28.2	5.02	30.8	5.46	33.4	5.90	36.5	6.23	37.3	6.22
	15	20.4	3.82	23.0	4.27	25.6	4.72	28.2	5.17	30.8	5.63	33.4	6.08	36.2	6.37	37.0	6.36
	21	20.4	4.04	23.0	4.51	25.6	4.99	28.2	5.47	30.8	5.95	33.4	6.43	35.7	6.61	36.5	6.61
	23	20.4	4.13	23.0	4.62	25.6	5.11	28.2	5.60	30.8	6.09	33.4	6.58	35.5	6.74	36.2	6.78
	25	20.4	4.23	23.0	4.74	25.6	5.24	28.2	5.74	30.8	6.25	33.4	6.85	35.0	7.00	35.7	7.04
	27	20.4	4.35	23.0	4.87	25.6	5.38	28.2	5.90	30.8	6.48	33.1	7.18	34.5	7.26	35.1	7.30
	30	20.4	4.54	23.0	5.09	25.6	5.63	28.2	6.28	30.8	7.14	32.3	7.57	33.7	7.66	34.3	7.70
	33	20.4	4.77	23.0	5.34	25.6	6.03	28.2	6.90	30.8	7.85	31.6	7.96	32.9	8.06	33.5	8.11
	35	20.4	4.94	23.0	5.55	25.6	6.41	28.2	7.35	30.4	8.20	31.0	8.25	32.3	8.36	32.9	8.42
	37	20.4	5.13	23.0	5.90	25.6	6.84	28.2	7.89	29.8	8.49	30.4	8.55	31.7	8.67	32.3	8.73
	40	20.4	5.54	23.0	6.52	25.6	7.59	28.2	8.77	29.0	8.94	29.6	9.00	30.8	9.13	31.4	9.19
43	20.4	6.13	23.0	7.22	25.6	8.42	27.5	9.31	28.1	9.39	28.7	9.46	29.9	9.60	30.5	9.66	
46	20.4	6.78	23.0	8.00	25.6	9.35	26.7	9.76	27.2	9.84	27.8	9.92	29.0	10.07	29.6	10.14	

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.

