

MODEL : AJ*090LALBH

HEATING CAPACITY

Capacity : 31.5 kW (10HP)

MODEL SELECTION

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Total rated capacity of indoor unit	Outdoor temperature (°CDB) (°CWB)		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
			TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
47.2 (150%)	-19.3	-20.0	20.0	6.90	19.9	6.97	19.8	7.03	19.7	7.06	19.7	7.10	19.5	7.16	19.4	7.23
	-15.0	-16.0	22.7	7.10	22.6	7.18	22.5	7.25	22.4	7.29	22.3	7.33	22.2	7.41	22.1	7.48
	-12.0	-13.0	24.8	7.25	24.7	7.33	24.5	7.42	24.5	7.46	24.4	7.50	24.2	7.59	24.1	7.67
	-9.0	-10.0	26.9	7.40	26.8	7.49	26.6	7.58	26.5	7.62	26.5	7.67	26.3	7.76	26.1	7.85
	-7.0	-8.0	28.4	7.49	28.2	7.59	28.0	7.68	28.0	7.73	27.9	7.78	27.7	7.88	27.5	7.97
	-5.0	-6.0	29.8	7.59	29.6	7.69	29.5	7.79	29.4	7.84	29.3	7.89	29.1	7.99	28.9	8.09
	-3.0	-4.0	31.3	7.68	31.1	7.78	30.9	7.89	30.8	7.94	30.7	7.99	30.5	8.10	30.3	8.20
	-1.0	-2.0	32.8	7.77	32.6	7.88	32.3	7.99	32.2	8.04	32.1	8.10	31.9	8.21	31.7	8.32
	0.0	-1.0	33.5	7.82	33.3	7.93	33.1	8.04	33.0	8.09	32.9	8.15	32.6	8.26	32.4	8.37
	2.0	1.0	35.0	7.91	34.7	8.02	34.5	8.13	34.4	8.19	34.3	8.25	34.1	8.36	33.8	8.48
	5.0	4.0	37.2	8.04	37.0	8.16	36.7	8.28	36.6	8.34	36.5	8.39	36.2	8.51	35.9	8.63
	7.0	6.0	38.7	8.12	38.4	8.24	38.2	8.37	38.0	8.43	37.9	8.49	37.6	8.61	37.1	8.66
	9.0	7.8	40.0	8.20	39.8	8.32	39.5	8.45	39.3	8.51	39.2	8.57	38.9	8.70	37.1	8.36
	12.0	10.6	42.1	8.31	41.8	8.44	41.5	8.57	41.4	8.63	41.2	8.69	40.5	8.70	37.1	7.91
	15.0	13.5	44.3	8.42	44.0	8.55	43.6	8.68	43.4	8.75	43.3	8.81	40.5	8.22	37.1	7.47
44.1 (140%)	-19.3	-20.0	20.0	6.93	19.8	6.99	19.7	7.06	19.7	7.09	19.6	7.12	19.5	7.19	19.4	7.26
	-15.0	-16.0	22.7	7.14	22.5	7.21	22.4	7.29	22.3	7.33	22.3	7.37	22.1	7.44	22.0	7.52
	-12.0	-13.0	24.7	7.29	24.6	7.38	24.4	7.46	24.4	7.50	24.3	7.54	24.2	7.63	24.0	7.71
	-9.0	-10.0	26.8	7.45	26.7	7.54	26.5	7.63	26.5	7.67	26.4	7.72	26.2	7.81	26.1	7.90
	-7.0	-8.0	28.3	7.55	28.1	7.64	27.9	7.74	27.9	7.79	27.8	7.84	27.6	7.93	27.4	8.03
	-5.0	-6.0	29.7	7.65	29.5	7.75	29.4	7.85	29.3	7.90	29.2	7.95	29.0	8.05	28.8	8.15
	-3.0	-4.0	31.2	7.75	31.0	7.85	30.8	7.96	30.7	8.01	30.6	8.06	30.4	8.17	30.2	8.27
	-1.0	-2.0	32.6	7.85	32.4	7.95	32.2	8.06	32.1	8.12	32.0	8.17	31.8	8.28	31.6	8.39
	0.0	-1.0	33.3	7.89	33.1	8.00	32.9	8.11	32.8	8.17	32.7	8.22	32.5	8.34	32.3	8.45
	2.0	1.0	34.8	7.99	34.6	8.10	34.4	8.22	34.2	8.27	34.1	8.33	33.9	8.45	33.6	8.56
	5.0	4.0	37.0	8.13	36.8	8.25	36.5	8.37	36.4	8.43	36.3	8.49	36.0	8.61	34.6	8.36
	7.0	6.0	38.5	8.22	38.2	8.34	38.0	8.46	37.8	8.53	37.7	8.59	37.4	8.71	34.6	8.03
	9.0	7.8	39.8	8.30	39.5	8.43	39.2	8.55	39.1	8.61	39.0	8.67	37.8	8.52	34.6	7.75
	12.0	10.6	41.9	8.42	41.6	8.55	41.2	8.68	41.1	8.74	40.9	8.81	37.8	8.06	34.6	7.33
	15.0	13.5	44.0	8.54	43.6	8.67	43.3	8.80	42.5	8.88	40.9	8.32	37.8	7.62	34.6	6.93
40.9 (130%)	-19.3	-20.0	19.9	6.96	19.8	7.03	19.7	7.09	19.6	7.12	19.5	7.16	19.4	7.22	19.3	7.29
	-15.0	-16.0	22.6	7.18	22.5	7.26	22.3	7.33	22.3	7.37	22.2	7.41	22.1	7.48	21.9	7.56
	-12.0	-13.0	24.6	7.34	24.5	7.43	24.4	7.51	24.3	7.55	24.2	7.59	24.1	7.68	23.9	7.76
	-9.0	-10.0	26.7	7.51	26.6	7.60	26.4	7.69	26.4	7.73	26.3	7.78	26.1	7.87	26.0	7.96
	-7.0	-8.0	28.2	7.61	28.0	7.71	27.8	7.80	27.7	7.85	27.7	7.90	27.5	8.00	27.3	8.09
	-5.0	-6.0	29.6	7.72	29.4	7.82	29.2	7.92	29.1	7.97	29.0	8.02	28.9	8.12	28.7	8.22
	-3.0	-4.0	31.0	7.83	30.8	7.93	30.6	8.03	30.5	8.09	30.4	8.14	30.2	8.24	30.1	8.35
	-1.0	-2.0	32.5	7.93	32.2	8.04	32.0	8.15	31.9	8.20	31.8	8.25	31.6	8.36	31.4	8.47
	0.0	-1.0	33.2	7.98	33.0	8.09	32.8	8.20	32.6	8.26	32.5	8.31	32.3	8.42	32.1	8.53
	2.0	1.0	34.6	8.09	34.4	8.20	34.2	8.31	34.1	8.37	33.9	8.43	33.7	8.54	32.2	8.21
	5.0	4.0	36.8	8.24	36.5	8.35	36.3	8.47	36.2	8.53	36.0	8.59	35.1	8.48	32.2	7.72
	7.0	6.0	38.2	8.34	38.0	8.46	37.7	8.58	37.6	8.64	37.4	8.70	35.1	8.15	32.2	7.42
	9.0	7.8	39.5	8.42	39.3	8.54	39.0	8.67	38.8	8.73	38.0	8.58	35.1	7.86	32.2	7.16
	12.0	10.6	41.5	8.55	41.2	8.68	40.9	8.81	39.5	8.46	38.0	8.12	35.1	7.44	32.2	6.77
	15.0	13.5	43.6	8.68	43.3	8.81	40.9	8.32	39.5	7.99	38.0	7.67	35.1	7.03	32.2	6.40
37.8 (120%)	-19.3	-20.0	19.8	7.00	19.7	7.06	19.6	7.13	19.5	7.16	19.5	7.19	19.3	7.26	19.2	7.32
	-15.0	-16.0	22.5	7.23	22.4	7.30	22.2	7.38	22.2	7.42	22.1	7.46	22.0	7.53	21.8	7.61
	-12.0	-13.0	24.5	7.40	24.4	7.49	24.3	7.57	24.2	7.61	24.1	7.65	24.0	7.74	23.8	7.82
	-9.0	-10.0	26.6	7.58	26.5	7.67	26.3	7.76	26.2	7.80	26.2	7.85	26.0	7.94	25.8	8.03
	-7.0	-8.0	28.0	7.69	27.9	7.78	27.7	7.88	27.6	7.93	27.5	7.98	27.4	8.07	27.2	8.17
	-5.0	-6.0	29.4	7.80	29.3	7.90	29.1	8.00	29.0	8.05	28.9	8.10	28.7	8.20	28.5	8.30
	-3.0	-4.0	30.8	7.92	30.7	8.02	30.5	8.12	30.4	8.18	30.3	8.23	30.1	8.33	29.7	8.37
	-1.0	-2.0	32.3	8.03	32.1	8.14	31.9	8.24	31.8	8.30	31.7	8.35	31.4	8.46	29.7	8.02
	0.0	-1.0	33.0	8.09	32.8	8.20	32.6	8.30	32.4	8.36	32.3	8.41	32.1	8.52	29.7	7.85
	2.0	1.0	34.4	8.20	34.2	8.31	33.9	8.42	33.8	8.48	33.7	8.54	32.4	8.27	29.7	7.53
	5.0	4.0	36.5	8.36	36.3	8.48	36.0	8.59	35.9	8.65	35.1	8.48	32.4	7.78	29.7	7.09
	7.0	6.0	37.9	8.47	37.7	8.59	37.4	8.71	36.4	8.49	35.1	8.15	32.4	7.47	29.7	6.81
	9.0	7.8	39.2	8.56	38.9	8.68	37.8	8.52	36.4	8.19	35.1	7.86	32.4	7.21	29.7	6.57
	12.0	10.6	41.2	8.70	40.5	8.70	37.8	8.06	36.4	7.75	35.1	7.44	32.4	6.82	29.7	6.22
	15.0	13.5	43.2	8.84	40.5	8.22	37.8	7.62	36.4	7.32	35.1	7.03	32.4	6.45	29.7	5.88
34.6 (110%)	-19.3	-20.0	19.8	7.04	19.6	7.10	19.5	7.17	19.5	7.20	19.4	7.24	19.3	7.30	19.1	7.37
	-15.0	-16.0	22.4	7.29	22.3	7.36	22.1	7.44	22.1	7.47	22.0	7.51	21.9	7.59	21.7	7.67
	-12.0	-13.0	24.4	7.47	24.3	7.55	24.1	7.64	24.1	7.68	24.0	7.72	23.9	7.80	23.7	7.89
	-9.0	-10.0	26.5	7.66	26.3	7.75	26.2	7.84	26.1	7.88	26.0	7.93	25.9	8.02	25.7	8.11
	-7.0	-8.0	27.9	7.78	27.7	7.87	27.5	7.97	27.5	8.02	27.4	8.06	27.2	8.16	27.0	8.26
	-5.0	-6.0	29.3	7.90	29.1	8.00	28.9	8.10	28.8	8.15	28.7	8.20	28.5	8.30	27.2	7.97
	-3.0	-4.0	30.7	8.02	30.5	8.13	30.3	8.23	30.2	8.28	30.1	8.33	29.7	8.37	27.2	7.63
	-1.0	-2.0	32.0	8.15	31.8	8.25	31.6	8.36	31.5	8.41	31.4	8.47	29.7	8.02	27.2	7.31
	0.0	-1.0	32.7	8.21	32.5	8.31	32.3	8.42	32.2	8.48	32.1	8.53	29.7	7.85	27.2	7.16
	2.0	1.0	34.1	8.33	33.9	8.44	33.7	8.55	33.4	8.55	32.2	8.21	29.7	7.53	27.2	6.87
	5.0	4.0	36.2	8.50	36.0	8.62	34.6	8.36	33.4	8.04	32.2	7.72	29.7	7.09	27.2	6.47
	7.0	6.0	37.6	8.62	37.1	8.66	34.6	8.03	33.4	7.72	32.2	7.42	29.7	6.81	27.2	6.22
	9.0	7.8	38.9	8.72	37.1	8.36	34.6	7.75	33.4	7.45	32.2	7.16	29.7	6.57	27.2	6.00
	12.0	10.6	39.6	8.49	37.1	7.91	34.6	7.33	33.4	7.05	32.2	6.77	29.7	6.22	27.2	5.68
	15.0	13.5	39.6	8.02	37.1	7.47	34.6	6.93	33.4	6.67	32.2	6.40	29.7	5.88	27.2	5.38

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.

