

Model: AJ*090GALBH

Cooling capacity at rated condition: 28.0 kW (10HP)																	
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
42.0 (150%)	10	31.2	5.46	33.1	5.72	33.9	5.72	34.7	5.72	35.4	5.73	36.3	5.72	38.0	5.68	38.9	5.66
	15	31.2	5.62	32.9	5.84	33.7	5.84	34.5	5.84	35.2	5.85	36.0	5.84	37.7	5.81	38.6	5.79
	21	31.2	5.93	32.4	6.05	33.2	6.05	34.0	6.06	34.6	6.09	35.5	6.07	37.1	6.04	38.0	6.03
	23	31.2	6.07	32.2	6.14	33.0	6.15	33.8	6.15	34.4	6.18	35.2	6.17	36.7	6.22	37.5	6.24
	25	31.2	6.22	32.0	6.24	32.8	6.25	33.5	6.29	34.0	6.37	34.7	6.40	36.2	6.46	36.9	6.49
	27	30.9	6.39	31.6	6.43	32.3	6.48	33.0	6.52	33.5	6.61	34.2	6.64	35.6	6.70	36.3	6.73
	30	30.2	6.73	30.9	6.78	31.6	6.82	32.3	6.87	32.6	6.97	33.3	7.00	34.7	7.07	35.4	7.10
	33	29.5	7.07	30.2	7.12	30.8	7.17	31.5	7.22	31.8	7.33	32.5	7.37	33.8	7.45	34.5	7.49
	35	29.0	7.30	29.7	7.36	30.3	7.42	31.0	7.47	31.2	7.60	31.9	7.65	33.2	7.74	33.8	7.79
	37	28.5	7.55	29.1	7.61	29.8	7.68	30.4	7.73	30.6	7.88	31.3	7.93	32.5	8.03	33.2	8.08
40	27.7	7.94	28.3	8.00	28.9	8.07	29.5	8.13	29.7	8.30	30.3	8.36	31.6	8.47	32.2	8.52	
43	26.8	8.32	27.4	8.39	28.0	8.46	28.7	8.53	28.8	8.73	29.4	8.79	30.6	8.91	31.2	8.97	
46	26.0	8.71	26.6	8.79	27.2	8.86	27.8	8.93	27.8	9.15	28.4	9.22	29.6	9.35	30.2	9.42	
39.2 (140%)	10	29.1	5.11	31.6	5.53	33.2	5.72	34.0	5.72	34.8	5.74	35.7	5.73	37.3	5.70	38.2	5.68
	15	29.1	5.27	31.6	5.70	33.0	5.84	33.8	5.84	34.6	5.86	35.4	5.85	37.1	5.82	37.9	5.80
	21	29.1	5.56	31.6	6.01	32.5	6.05	33.3	6.06	34.1	6.09	34.9	6.08	36.5	6.06	37.4	6.04
	23	29.1	5.68	31.6	6.14	32.3	6.14	33.1	6.15	33.9	6.19	34.7	6.18	36.2	6.20	36.9	6.22
	25	29.1	5.82	31.4	6.24	32.1	6.24	32.9	6.26	33.5	6.34	34.2	6.38	35.6	6.44	36.4	6.47
	27	29.1	5.98	31.0	6.40	31.7	6.44	32.4	6.49	33.0	6.58	33.7	6.62	35.1	6.68	35.8	6.71
	30	29.1	6.44	30.4	6.74	31.0	6.78	31.7	6.83	32.2	6.94	32.9	6.98	34.2	7.05	34.9	7.08
	33	29.0	7.02	29.7	7.08	30.3	7.13	31.0	7.18	31.4	7.31	32.0	7.34	33.4	7.43	34.0	7.47
	35	28.5	7.26	29.2	7.31	29.8	7.37	30.4	7.43	30.8	7.57	31.5	7.62	32.7	7.71	33.4	7.76
	37	28.0	7.51	28.6	7.57	29.3	7.63	29.9	7.69	30.2	7.85	30.9	7.90	32.1	8.00	32.8	8.05
40	27.2	7.89	27.8	7.95	28.4	8.02	29.1	8.08	29.3	8.27	29.9	8.32	31.2	8.43	31.8	8.49	
43	26.4	8.27	27.0	8.34	27.6	8.41	28.2	8.48	28.4	8.69	29.0	8.75	30.2	8.87	30.9	8.93	
46	25.6	8.66	26.2	8.73	26.7	8.81	27.3	8.88	27.5	9.12	28.1	9.18	29.3	9.32	29.9	9.38	
36.4 (130%)	10	27.0	4.77	29.4	5.16	31.7	5.55	33.2	5.72	34.2	5.75	35.0	5.74	36.6	5.71	37.5	5.69
	15	27.0	4.91	29.4	5.31	31.7	5.71	33.0	5.84	33.9	5.87	34.7	5.86	36.4	5.84	37.2	5.82
	21	27.0	5.18	29.4	5.60	31.7	6.03	32.5	6.05	33.4	6.10	34.2	6.09	35.8	6.07	36.7	6.05
	23	27.0	5.30	29.4	5.73	31.6	6.14	32.4	6.14	33.2	6.19	34.0	6.19	35.6	6.17	36.3	6.20
	25	27.0	5.43	29.4	5.87	31.4	6.24	32.2	6.24	33.0	6.32	33.7	6.35	35.1	6.42	35.8	6.45
	27	27.0	5.57	29.4	6.03	31.1	6.40	31.8	6.44	32.5	6.56	33.2	6.59	34.5	6.66	35.2	6.69
	30	27.0	5.82	29.4	6.53	30.4	6.74	31.1	6.79	31.7	6.92	32.4	6.95	33.7	7.02	34.4	7.06
	33	27.0	6.36	29.1	7.03	29.7	7.08	30.4	7.13	30.9	7.28	31.6	7.32	32.9	7.39	33.5	7.44
	35	27.0	6.76	28.6	7.26	29.2	7.32	29.9	7.38	30.4	7.54	31.0	7.59	32.3	7.68	32.9	7.72
	37	27.0	7.22	28.1	7.52	28.7	7.58	29.3	7.64	29.8	7.81	30.4	7.87	31.7	7.96	32.3	8.01
40	26.7	7.83	27.3	7.90	27.9	7.96	28.5	8.03	28.9	8.23	29.5	8.29	30.7	8.40	31.4	8.45	
43	25.9	8.22	26.5	8.29	27.1	8.35	27.7	8.42	28.0	8.65	28.6	8.71	29.8	8.83	30.4	8.89	
46	25.1	8.60	25.7	8.68	26.3	8.75	26.9	8.82	27.1	9.07	27.7	9.14	28.9	9.27	29.5	9.34	
33.6 (120%)	10	24.9	4.43	27.1	4.79	29.3	5.14	31.4	5.50	33.5	5.76	34.2	5.75	35.8	5.72	36.6	5.71
	15	24.9	4.56	27.1	4.93	29.3	5.30	31.4	5.67	33.2	5.88	34.0	5.87	35.6	5.85	36.4	5.83
	21	24.9	4.81	27.1	5.20	29.3	5.59	31.4	5.98	32.7	6.10	33.5	6.10	35.1	6.08	35.9	6.07
	23	24.9	4.91	27.1	5.31	29.3	5.71	31.4	6.12	32.6	6.20	33.3	6.19	34.9	6.18	35.6	6.17
	25	24.9	5.03	27.1	5.44	29.3	5.86	31.3	6.24	32.3	6.30	33.1	6.32	34.4	6.39	35.1	6.42
	27	24.9	5.17	27.1	5.59	29.3	6.01	31.0	6.39	31.9	6.53	32.6	6.56	33.9	6.63	34.6	6.66
	30	24.9	5.40	27.1	5.84	29.3	6.50	30.4	6.74	31.1	6.88	31.8	6.92	33.1	6.99	33.8	7.03
	33	24.9	5.71	27.1	6.39	29.1	7.03	29.7	7.08	30.4	7.24	31.0	7.28	32.3	7.36	32.9	7.40
	35	24.9	6.06	27.1	6.79	28.6	7.26	29.2	7.32	29.8	7.50	30.5	7.55	31.7	7.64	32.3	7.68
	37	24.9	6.44	27.1	7.26	28.1	7.52	28.7	7.58	29.3	7.77	29.9	7.82	31.1	7.92	31.7	7.97
40	24.9	7.12	26.7	7.84	27.3	7.90	27.9	7.96	28.4	8.19	29.0	8.24	30.2	8.35	30.8	8.40	
43	24.9	7.88	26.0	8.22	26.6	8.29	27.1	8.36	27.6	8.60	28.2	8.66	29.3	8.78	29.9	8.84	
46	24.6	8.54	25.2	8.61	25.8	8.68	26.3	8.75	26.7	9.02	27.3	9.09	28.4	9.22	29.0	9.29	
30.8 (110%)	10	22.9	4.08	24.8	4.41	26.8	4.74	28.8	5.07	30.8	5.33	33.4	5.76	34.9	5.74	35.7	5.73
	15	22.9	4.20	24.8	4.54	26.8	4.88	28.8	5.22	30.8	5.50	33.2	5.88	34.7	5.86	35.5	5.85
	21	22.9	4.43	24.8	4.79	26.8	5.15	28.8	5.51	30.8	5.81	32.7	6.10	34.2	6.09	35.0	6.08
	23	22.9	4.53	24.8	4.90	26.8	5.26	28.8	5.63	30.8	5.95	32.5	6.20	34.0	6.19	34.8	6.18
	25	22.9	4.64	24.8	5.02	26.8	5.39	28.8	5.77	30.8	6.10	32.3	6.30	33.7	6.35	34.4	6.38
	27	22.9	4.76	24.8	5.15	26.8	5.54	28.8	5.93	30.8	6.33	31.9	6.52	33.2	6.59	33.8	6.63
	30	22.9	4.97	24.8	5.38	26.8	5.78	28.8	6.36	30.5	6.84	31.1	6.88	32.4	6.96	33.1	6.99
	33	22.9	5.21	24.8	5.68	26.8	6.30	28.8	6.97	29.8	7.20	30.4	7.24	31.6	7.32	32.3	7.36
	35	22.9	5.40	24.8	6.03	26.8	6.70	28.5	7.25	29.3	7.45	29.9	7.50	31.1	7.59	31.7	7.64
	37	22.9	5.73	24.8	6.41	26.8	7.15	28.0	7.51	28.7	7.72	29.3	7.78	30.5	7.88	31.1	7.92
40	22.9	6.31	24.8	7.08	26.7	7.83	27.2	7.89	27.9	8.13	28.5	8.19	29.7	8.30	30.3	8.35	
43	22.9	6.97	24.8	7.84	25.9	8.22	26.5	8.28	27.1	8.55	27.7	8.61	28.8	8.73	29.4	8.79	
46	22.9	7.71	24.6	8.53	25.2	8.61	25.7	8.68	26.2	8.97	26.8	9.03	27.9	9.16	28.5	9.23	
28.0 (100%)	10	20.8	3.74	22.6	4.04	24.4	4.34	26.2	4.64	28.0	4.87	30.4	5.26	33.9	5.75	34.7	5.74
	15	20.8	3.85	22.6	4.15	24.4	4.46	26.2	4.77	28.0	5.02	30.4	5.42	33.7	5.87	34.5	5.86
	21	20.8	4.05	22.6	4.38	24.4	4.71	26.2	5.03	28.0	5.31	30.4	5.74	33.3	6.10	34.0	6.09
	23	20.8	4.14	22.6	4.48	24.4	4.81	26.2	5.15	28.0	5.44	30.4	5.87	33.1	6.20	33.8	6.19
	25	20.8	4.24	22.6	4.59	24.4	4.93	26.2	5.27	28.0	5.57	30.4	6.02	32.8	6.31	33.5	6.34
	27	20.8	4.36	22.6	4.71	24.4	5.06	26.2	5.41	28.0	5.73	30.4	6.20	32.4	6.55	33.0	6.58
	30	20.8	4.55	22.6	4.92	24.4	5.29	26.2	5.65	28.0	6.07	30.4	6.83	31.6	6.91	32.3	6.95
	33	20.8	4.77	22.6	5.16	24.4	5.55	26.2	6.10	28.0	6.68	29.7	7.20	30.9	7.28	31.5	7.31
	35	20.8	4.93	22.6	5.34	24.4	5.88	26.2	6.48	28.0	7.11	29.2	7.45	30.4	7.54	31.0	7.59
	37	20.8	5.11	22.6	5.64	24.4	6.24	26.2	6.91	28.0	7.63	28.7	7.72	29.8	7.82	30.4	7.87
40	20.8	5.55	22.6	6.21	24.4	6.90	26.2	7.64	27.3								

Cooling capacity at rated condition: 28.0 kW (10HP)

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
25.2 (90%)	10	18.7	3.39	20.3	3.66	21.9	3.93	23.6	4.20	25.2	4.42	27.3	4.77	31.6	5.46	33.5	5.76
	15	18.7	3.49	20.3	3.77	21.9	4.05	23.6	4.32	25.2	4.55	27.3	4.91	31.6	5.63	33.3	5.88
	21	18.7	3.68	20.3	3.97	21.9	4.27	23.6	4.56	25.2	4.81	27.3	5.19	31.6	5.96	32.9	6.10
	23	18.7	3.76	20.3	4.06	21.9	4.36	23.6	4.66	25.2	4.92	27.3	5.31	31.6	6.10	32.7	6.20
	25	18.7	3.85	20.3	4.16	21.9	4.47	23.6	4.78	25.2	5.05	27.3	5.45	31.6	6.25	32.5	6.30
	27	18.7	3.95	20.3	4.27	21.9	4.59	23.6	4.90	25.2	5.19	27.3	5.60	31.4	6.50	32.0	6.53
	30	18.7	4.12	20.3	4.45	21.9	4.79	23.6	5.12	25.2	5.42	27.3	5.87	30.7	6.86	31.4	6.90
	33	18.7	4.32	20.3	4.67	21.9	5.02	23.6	5.37	25.2	5.77	27.3	6.46	30.0	7.22	30.6	7.26
	35	18.7	4.47	20.3	4.83	21.9	5.20	23.6	5.62	25.2	6.14	27.3	6.87	29.6	7.48	30.1	7.52
	37	18.7	4.63	20.3	5.01	21.9	5.44	23.6	5.97	25.2	6.54	27.3	7.36	29.0	7.75	29.6	7.80
	40	18.7	4.91	20.3	5.40	21.9	5.97	23.6	6.59	25.2	7.25	27.1	8.06	28.3	8.17	28.8	8.22
	43	18.7	5.34	20.3	5.95	21.9	6.60	23.6	7.28	25.2	8.04	26.4	8.47	27.5	8.59	28.0	8.65
46	18.7	5.89	20.3	6.57	21.9	7.29	23.6	8.05	25.0	8.82	25.6	8.89	26.6	9.02	27.2	9.08	
22.4 (80%)	10	16.6	3.05	18.1	3.29	19.5	3.53	21.0	3.77	22.4	3.96	24.3	4.27	28.1	4.89	30.0	5.20
	15	16.6	3.14	18.1	3.38	19.5	3.63	21.0	3.88	22.4	4.08	24.3	4.40	28.1	5.04	30.0	5.36
	21	16.6	3.30	18.1	3.56	19.5	3.83	21.0	4.09	22.4	4.31	24.3	4.65	28.1	5.33	30.0	5.67
	23	16.6	3.37	18.1	3.64	19.5	3.91	21.0	4.18	22.4	4.41	24.3	4.76	28.1	5.45	30.0	5.80
	25	16.6	3.46	18.1	3.73	19.5	4.00	21.0	4.28	22.4	4.52	24.3	4.88	28.1	5.59	30.0	5.95
	27	16.6	3.54	18.1	3.83	19.5	4.11	21.0	4.39	22.4	4.64	24.3	5.01	28.1	5.75	30.0	6.12
	30	16.6	3.70	18.1	3.99	19.5	4.29	21.0	4.58	22.4	4.86	24.3	5.24	28.1	6.10	30.0	6.70
	33	16.6	3.87	18.1	4.18	19.5	4.50	21.0	4.81	22.4	5.10	24.3	5.51	28.1	6.71	29.6	7.19
	35	16.6	4.01	18.1	4.33	19.5	4.65	21.0	4.97	22.4	5.28	24.3	5.84	28.1	7.15	29.2	7.44
	37	16.6	4.15	18.1	4.49	19.5	4.82	21.0	5.16	22.4	5.58	24.3	6.21	28.1	7.66	28.7	7.72
	40	16.6	4.40	18.1	4.76	19.5	5.12	21.0	5.62	22.4	6.15	24.3	6.89	27.4	8.08	27.9	8.13
	43	16.6	4.71	18.1	5.12	19.5	5.64	21.0	6.20	22.4	6.81	24.3	7.63	26.6	8.50	27.1	8.55
46	16.6	5.07	18.1	5.63	19.5	6.22	21.0	6.84	22.4	7.54	24.3	8.46	25.8	8.92	26.4	8.98	
19.6 (70%)	10	14.5	2.71	15.8	2.92	17.1	3.13	18.3	3.33	19.6	3.50	21.3	3.77	24.6	4.32	26.2	4.59
	15	14.5	2.78	15.8	3.00	17.1	3.21	18.3	3.43	19.6	3.61	21.3	3.89	24.6	4.45	26.2	4.73
	21	14.5	2.93	15.8	3.16	17.1	3.38	18.3	3.61	19.6	3.81	21.3	4.11	24.6	4.70	26.2	5.00
	23	14.5	2.99	15.8	3.22	17.1	3.46	18.3	3.69	19.6	3.89	21.3	4.20	24.6	4.81	26.2	5.11
	25	14.5	3.06	15.8	3.30	17.1	3.54	18.3	3.78	19.6	3.99	21.3	4.31	24.6	4.93	26.2	5.24
	27	14.5	3.14	15.8	3.39	17.1	3.63	18.3	3.88	19.6	4.10	21.3	4.42	24.6	5.07	26.2	5.39
	30	14.5	3.27	15.8	3.53	17.1	3.79	18.3	4.05	19.6	4.29	21.3	4.62	24.6	5.30	26.2	5.64
	33	14.5	3.43	15.8	3.70	17.1	3.97	18.3	4.24	19.6	4.50	21.3	4.86	24.6	5.58	26.2	6.10
	35	14.5	3.54	15.8	3.83	17.1	4.11	18.3	4.39	19.6	4.66	21.3	5.03	24.6	5.93	26.2	6.49
	37	14.5	3.67	15.8	3.96	17.1	4.26	18.3	4.55	19.6	4.84	21.3	5.22	24.6	6.32	26.2	6.93
	40	14.5	3.89	15.8	4.20	17.1	4.51	18.3	4.82	19.6	5.15	21.3	5.73	24.6	7.00	26.2	7.69
	43	14.5	4.16	15.8	4.50	17.1	4.83	18.3	5.21	19.6	5.69	21.3	6.34	24.6	7.76	26.1	8.44
46	14.5	4.48	15.8	4.84	17.1	5.25	18.3	5.74	19.6	6.29	21.3	7.01	24.6	8.60	25.4	8.86	
16.8 (60%)	10	12.5	2.36	13.5	2.54	14.6	2.72	15.7	2.90	16.8	3.05	18.2	3.28	21.1	3.74	22.5	3.98
	15	12.5	2.43	13.5	2.61	14.6	2.80	15.7	2.98	16.8	3.13	18.2	3.37	21.1	3.86	22.5	4.10
	21	12.5	2.55	13.5	2.75	14.6	2.94	15.7	3.14	16.8	3.31	18.2	3.56	21.1	4.07	22.5	4.33
	23	12.5	2.61	13.5	2.81	14.6	3.01	15.7	3.21	16.8	3.38	18.2	3.64	21.1	4.16	22.5	4.43
	25	12.5	2.67	13.5	2.87	14.6	3.08	15.7	3.28	16.8	3.46	18.2	3.73	21.1	4.27	22.5	4.54
	27	12.5	2.73	13.5	2.95	14.6	3.16	15.7	3.37	16.8	3.56	18.2	3.83	21.1	4.39	22.5	4.66
	30	12.5	2.85	13.5	3.07	14.6	3.29	15.7	3.51	16.8	3.72	18.2	4.01	21.1	4.58	22.5	4.87
	33	12.5	2.98	13.5	3.21	14.6	3.45	15.7	3.68	16.8	3.90	18.2	4.20	21.1	4.82	22.5	5.12
	35	12.5	3.08	13.5	3.32	14.6	3.56	15.7	3.81	16.8	4.04	18.2	4.35	21.1	4.99	22.5	5.30
	37	12.5	3.19	13.5	3.44	14.6	3.69	15.7	3.94	16.8	4.19	18.2	4.52	21.1	5.18	22.5	5.61
	40	12.5	3.38	13.5	3.64	14.6	3.91	15.7	4.18	16.8	4.45	18.2	4.80	21.1	5.67	22.5	6.19
	43	12.5	3.61	13.5	3.90	14.6	4.19	15.7	4.47	16.8	4.77	18.2	5.18	21.1	6.27	22.5	6.85
46	12.5	3.88	13.5	4.19	14.6	4.50	15.7	4.81	16.8	5.16	18.2	5.72	21.1	6.93	22.5	7.58	
14.0 (50%)	10	10.4	2.02	11.3	2.17	12.2	2.32	13.1	2.47	14.0	2.59	15.2	2.78	17.6	3.17	18.7	3.36
	15	10.4	2.07	11.3	2.23	12.2	2.38	13.1	2.54	14.0	2.66	15.2	2.86	17.6	3.26	18.7	3.46
	21	10.4	2.18	11.3	2.34	12.2	2.50	13.1	2.67	14.0	2.81	15.2	3.02	17.6	3.44	18.7	3.66
	23	10.4	2.22	11.3	2.39	12.2	2.56	13.1	2.72	14.0	2.87	15.2	3.09	17.6	3.52	18.7	3.74
	25	10.4	2.27	11.3	2.44	12.2	2.62	13.1	2.79	14.0	2.94	15.2	3.16	17.6	3.61	18.7	3.83
	27	10.4	2.33	11.3	2.50	12.2	2.68	13.1	2.86	14.0	3.01	15.2	3.24	17.6	3.71	18.7	3.94
	30	10.4	2.42	11.3	2.61	12.2	2.79	13.1	2.98	14.0	3.15	15.2	3.39	17.6	3.87	18.7	4.11
	33	10.4	2.53	11.3	2.73	12.2	2.92	13.1	3.12	14.0	3.30	15.2	3.55	17.6	4.06	18.7	4.32
	35	10.4	2.62	11.3	2.82	12.2	3.02	13.1	3.22	14.0	3.41	15.2	3.68	17.6	4.21	18.7	4.47
	37	10.4	2.71	11.3	2.92	12.2	3.13	13.1	3.34	14.0	3.54	15.2	3.81	17.6	4.36	18.7	4.64
	40	10.4	2.86	11.3	3.09	12.2	3.31	13.1	3.53	14.0	3.76	15.2	4.05	17.6	4.63	18.7	4.93
	43	10.4	3.06	11.3	3.30	12.2	3.54	13.1	3.78	14.0	4.03	15.2	4.34	17.6	4.97	18.7	5.37
46	10.4	3.28	11.3	3.54	12.2	3.80	13.1	4.06	14.0	4.33	15.2	4.68	17.6	5.46	18.7	5.93	

MODEL SELECTION

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