

Model: AJ*108GALDH

Cooling capacity at rated condition: 33.5 kW (12HP)																	
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
50.3 (150%)	10	37.3	7.48	39.2	7.74	40.1	7.74	41.1	7.73	41.9	7.75	43.0	7.73	45.0	7.68	46.0	7.65
	15	37.3	7.71	38.9	7.89	39.9	7.89	40.8	7.89	41.6	7.91	42.6	7.90	44.6	7.85	45.6	7.82
	21	37.3	8.13	38.4	8.18	39.3	8.19	40.3	8.19	41.0	8.23	42.0	8.21	44.0	8.17	45.0	8.15
	23	37.2	8.30	38.2	8.30	39.1	8.31	40.0	8.31	40.8	8.36	41.7	8.34	43.6	8.35	44.5	8.38
	25	37.0	8.43	37.9	8.44	38.8	8.45	39.8	8.46	40.4	8.56	41.2	8.60	42.9	8.68	43.8	8.71
	27	36.7	8.60	37.5	8.66	38.3	8.72	39.2	8.78	39.7	8.89	40.5	8.93	42.2	9.01	43.1	9.05
	30	35.8	9.06	36.6	9.13	37.5	9.19	38.3	9.25	38.7	9.38	39.5	9.43	41.2	9.51	42.0	9.55
	33	35.0	9.52	35.8	9.59	36.6	9.66	37.4	9.73	37.7	9.87	38.5	9.92	40.1	10.03	40.9	10.08
	35	34.4	9.84	35.2	9.92	35.9	9.99	36.7	10.07	37.0	10.24	37.8	10.30	39.4	10.42	40.1	10.48
	37	33.8	10.19	34.5	10.27	35.3	10.35	36.0	10.43	36.3	10.62	37.1	10.69	38.6	10.82	39.4	10.88
	40	32.8	10.71	33.5	10.80	34.3	10.88	35.0	10.97	35.2	11.20	35.9	11.27	37.4	11.42	38.2	11.49
	43	31.8	11.24	32.5	11.33	33.2	11.42	34.0	11.51	34.1	11.78	34.8	11.86	36.3	12.02	37.0	12.10
	46	30.8	11.77	31.5	11.87	32.2	11.97	32.9	12.07	33.0	12.36	33.7	12.45	35.1	12.63	35.8	12.71
	46.9 (140%)	10	34.8	7.01	37.8	7.59	39.3	7.74	40.3	7.74	41.3	7.76	42.2	7.74	44.2	7.70	45.2
15		34.8	7.22	37.8	7.81	39.0	7.89	40.0	7.89	40.9	7.93	41.9	7.91	43.9	7.87	44.9	7.84
21		34.8	7.62	37.6	8.18	38.5	8.18	39.4	8.19	40.3	8.24	41.3	8.22	43.3	8.19	44.2	8.16
23		34.8	7.79	37.4	8.30	38.3	8.31	39.2	8.31	40.1	8.37	41.1	8.35	43.0	8.32	43.8	8.36
25		34.8	7.98	37.1	8.43	38.1	8.44	39.0	8.45	39.8	8.53	40.6	8.57	42.3	8.65	43.2	8.69
27		34.8	8.20	36.8	8.61	37.6	8.67	38.5	8.73	39.2	8.86	40.0	8.90	41.6	8.98	42.5	9.02
30		34.8	8.82	36.0	9.07	36.8	9.14	37.6	9.20	38.2	9.35	39.0	9.40	40.6	9.48	41.4	9.53
33		34.4	9.47	35.2	9.54	35.9	9.61	36.7	9.67	37.2	9.84	38.0	9.89	39.6	9.99	40.4	10.05
35		33.8	9.78	34.6	9.86	35.3	9.94	36.1	10.01	36.5	10.20	37.3	10.26	38.8	10.38	39.6	10.44
37		33.2	10.13	33.9	10.21	34.7	10.29	35.4	10.36	35.8	10.58	36.6	10.65	38.1	10.78	38.9	10.84
40		32.2	10.65	33.0	10.73	33.7	10.82	34.4	10.90	34.8	11.15	35.5	11.23	37.0	11.37	37.7	11.44
43		31.3	11.17	32.0	11.26	32.7	11.36	33.4	11.45	33.7	11.73	34.4	11.81	35.8	11.97	36.6	12.05
46		30.3	11.70	31.0	11.80	31.7	11.90	32.4	12.00	32.6	12.31	33.3	12.40	34.7	12.58	35.4	12.66
43.6 (130%)		10	32.3	6.54	35.1	7.07	37.9	7.61	39.3	7.74	40.5	7.77	41.5	7.76	43.4	7.72	44.4
	15	32.3	6.73	35.1	7.28	37.9	7.83	39.0	7.89	40.2	7.94	41.1	7.92	43.1	7.89	44.0	7.87
	21	32.3	7.10	35.1	7.69	37.6	8.18	38.5	8.18	39.6	8.24	40.6	8.23	42.5	8.20	43.4	8.18
	23	32.3	7.26	35.1	7.86	37.4	8.30	38.3	8.31	39.4	8.37	40.3	8.36	42.2	8.34	43.1	8.33
	25	32.3	7.44	35.1	8.05	37.2	8.43	38.1	8.44	39.1	8.52	40.0	8.54	41.6	8.62	42.5	8.66
	27	32.3	7.64	35.1	8.27	36.9	8.61	37.7	8.67	38.5	8.82	39.4	8.87	41.0	8.95	41.8	8.99
	30	32.3	7.98	35.1	8.94	36.1	9.08	36.9	9.14	37.6	9.31	38.4	9.36	40.0	9.45	40.8	9.49
	33	32.3	8.72	34.5	9.48	35.2	9.55	36.0	9.61	36.7	9.80	37.4	9.86	39.0	9.95	39.8	10.01
	35	32.3	9.27	33.9	9.79	34.7	9.87	35.4	9.94	36.0	10.16	36.8	10.22	38.3	10.34	39.0	10.40
	37	32.3	9.91	33.3	10.14	34.0	10.22	34.8	10.30	35.3	10.53	36.1	10.60	37.6	10.73	38.3	10.79
	40	31.7	10.58	32.4	10.66	33.1	10.75	33.8	10.83	34.3	11.10	35.0	11.18	36.5	11.32	37.2	11.39
	43	30.7	11.10	31.4	11.19	32.1	11.28	32.8	11.37	33.2	11.68	33.9	11.76	35.4	11.92	36.1	12.00
	46	29.8	11.63	30.5	11.72	31.1	11.82	31.8	11.92	32.1	12.26	32.8	12.35	34.2	12.52	34.9	12.61
	40.2 (120%)	10	29.8	6.07	32.4	6.56	35.0	7.05	37.6	7.55	39.6	7.78	40.6	7.77	42.5	7.74	43.4
15		29.8	6.25	32.4	6.75	35.0	7.26	37.6	7.77	39.3	7.95	40.3	7.94	42.1	7.91	43.1	7.89
21		29.8	6.59	32.4	7.13	35.0	7.66	37.5	8.18	38.8	8.25	39.7	8.24	41.6	8.22	42.5	8.20
23		29.8	6.74	32.4	7.29	35.0	7.84	37.3	8.30	38.6	8.38	39.5	8.37	41.3	8.35	42.2	8.33
25		29.8	6.90	32.4	7.47	35.0	8.03	37.1	8.43	38.3	8.52	39.2	8.52	40.9	8.59	41.7	8.62
27		29.8	7.09	32.4	7.67	35.0	8.25	36.8	8.61	37.8	8.78	38.6	8.83	40.2	8.92	41.0	8.96
30		29.8	7.40	32.4	8.01	35.0	8.90	36.0	9.08	36.9	9.27	37.7	9.32	39.3	9.41	40.1	9.46
33		29.8	7.81	32.4	8.76	34.5	9.48	35.2	9.54	36.0	9.76	36.8	9.81	38.3	9.91	39.1	9.96
35		29.8	8.30	32.4	9.31	33.9	9.79	34.7	9.87	35.4	10.11	36.1	10.17	37.6	10.29	38.4	10.35
37		29.8	8.83	32.4	9.95	33.3	10.14	34.0	10.22	34.7	10.48	35.5	10.55	36.9	10.68	37.7	10.74
40		29.8	9.78	31.7	10.58	32.4	10.67	33.1	10.75	33.7	11.05	34.4	11.12	35.9	11.26	36.6	11.33
43		29.8	10.83	30.8	11.11	31.5	11.20	32.2	11.29	32.7	11.62	33.4	11.70	34.8	11.86	35.5	11.93
46		29.2	11.54	29.8	11.64	30.5	11.73	31.2	11.83	31.7	12.19	32.3	12.28	33.7	12.45	34.4	12.54
36.9 (110%)		10	27.3	5.60	29.7	6.05	32.1	6.50	34.5	6.95	36.8	7.30	39.6	7.78	41.4	7.76	42.3
	15	27.3	5.76	29.7	6.23	32.1	6.69	34.5	7.16	36.8	7.53	39.3	7.95	41.1	7.92	42.0	7.91
	21	27.3	6.07	29.7	6.57	32.1	7.06	34.5	7.55	36.8	7.96	38.8	8.25	40.6	8.23	41.5	8.22
	23	27.3	6.21	29.7	6.71	32.1	7.22	34.5	7.72	36.8	8.15	38.5	8.38	40.3	8.36	41.2	8.35
	25	27.3	6.36	29.7	6.88	32.1	7.39	34.5	7.91	36.8	8.36	38.3	8.52	40.0	8.54	40.8	8.58
	27	27.3	6.53	29.7	7.06	32.1	7.59	34.5	8.13	36.8	8.65	37.8	8.78	39.4	8.87	40.2	8.91
	30	27.3	6.82	29.7	7.37	32.1	7.93	34.5	8.70	36.2	9.22	37.0	9.27	38.5	9.37	39.3	9.41
	33	27.3	7.15	29.7	7.78	32.1	8.64	34.3	9.46	35.3	9.71	36.1	9.76	37.6	9.86	38.3	9.91
	35	27.3	7.40	29.7	8.26	32.1	9.18	33.8	9.78	34.7	10.05	35.4	10.11	36.9	10.23	37.6	10.29
	37	27.3	7.85	29.7	8.79	32.1	9.81	33.2	10.13	34.1	10.42	34.8	10.49	36.2	10.62	36.9	10.68
	40	27.3	8.66	29.7	9.73	31.6	10.57	32.3	10.65	33.1	10.98	33.8	11.05	35.2	11.20	35.9	11.27
	43	27.3	9.58	29.7	10.78	30.7	11.10	31.4	11.19	32.1	11.55	32.8	11.63	34.2	11.78	34.8	11.86
	46	27.3	10.60	29.2	11.54	29.8	11.63	30.5	11.73	31.1	12.12	31.8	12.21	33.1	12.38	33.8	12.46
	33.5 (100%)	10	24.9	5.13	27.0	5.54	29.2	5.95	31.3	6.36	33.5	6.68	36.3	7.21	40.2	7.78	41.1
15		24.9	5.27	27.0	5.70	29.2	6.12	31.3	6.54	33.5	6.88	36.3	7.43	40.0	7.94	40.8	7.93
21		24.9	5.56	27.0	6.01	29.2	6.45	31.3	6.90	33.5	7.28	36.3	7.86	39.4	8.25	40.3	8.24
23		24.9	5.68	27.0	6.14	29.2	6.60	31.3	7.06	33.5	7.45	36.3	8.04	39.2	8.38	40.1	8.37
25		24.9	5.82	27.0	6.29	29.2	6.76	31.3	7.23	33.5	7.64	36.3	8.25	39.0	8.52	39.8	8.53
27		24.9	5.97	27.0	6.46	29.2	6.94	31.3	7.42	33.5	7.85	36.3	8.48	38.4	8.82	39.2	8.86
30		24.9	6.23	27.0	6.74	29.2	7.25	31.3	7.75	33.5	8.31	36.1	9.21	37.6	9.31	38.3	9.36
33		24.9	6.54	27.0	7.07	29.2	7.60	31.3	8.36	33.5	9.14	35.2	9.70	36.7	9.81	37.4	9.85
35		24.9	6.77	27.0	7.32	29.2	8.06	31.3	8.88	33.5	9.75	34.6	10.04	36.1	10.16	36.8	10.22
37		24.9	7.01	27.0	7.73	29.2	8.56	31.3	9.48								

Cooling capacity at rated condition: 33.5 kW (12HP)

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
30.1 (90%)	10	22.4	4.65	24.3	5.02	26.3	5.39	28.2	5.76	30.1	6.05	32.7	6.53	37.8	7.49	39.7	7.78
	15	22.4	4.79	24.3	5.17	26.3	5.55	28.2	5.93	30.1	6.24	32.7	6.73	37.8	7.72	39.5	7.95
	21	22.4	5.04	24.3	5.45	26.3	5.85	28.2	6.25	30.1	6.59	32.7	7.11	37.8	8.16	39.0	8.25
	23	22.4	5.15	24.3	5.57	26.3	5.98	28.2	6.39	30.1	6.74	32.7	7.28	37.8	8.35	38.8	8.38
	25	22.4	5.28	24.3	5.70	26.3	6.13	28.2	6.55	30.1	6.91	32.7	7.46	37.7	8.53	38.5	8.52
	27	22.4	5.42	24.3	5.85	26.3	6.29	28.2	6.72	30.1	7.11	32.7	7.67	37.3	8.75	38.1	8.79
	30	22.4	5.65	24.3	6.11	26.3	6.56	28.2	7.02	30.1	7.43	32.7	8.03	36.5	9.24	37.2	9.29
	33	22.4	5.93	24.3	6.40	26.3	6.88	28.2	7.36	30.1	7.89	32.7	8.84	35.7	9.73	36.4	9.78
	35	22.4	6.13	24.3	6.63	26.3	7.12	28.2	7.71	30.1	8.40	32.7	9.41	35.1	10.08	35.8	10.14
	37	22.4	6.35	24.3	6.87	26.3	7.45	28.2	8.18	30.1	8.96	32.7	10.09	34.5	10.46	35.1	10.52
	40	22.4	6.74	24.3	7.40	26.3	8.20	28.2	9.04	30.1	9.95	32.7	10.88	33.5	11.02	34.2	11.09
	43	22.4	7.33	24.3	8.17	26.3	9.06	28.2	10.00	30.1	11.04	31.3	11.44	32.6	11.60	33.2	11.68
46	22.4	8.09	24.3	9.02	26.3	10.02	28.2	11.08	29.7	11.93	30.3	12.01	31.6	12.18	32.2	12.27	
26.8 (80%)	10	19.9	4.18	21.6	4.51	23.3	4.84	25.1	5.17	26.8	5.42	29.1	5.85	33.6	6.70	35.9	7.12
	15	19.9	4.30	21.6	4.64	23.3	4.98	25.1	5.32	26.8	5.59	29.1	6.03	33.6	6.90	35.9	7.34
	21	19.9	4.53	21.6	4.89	23.3	5.25	25.1	5.60	26.8	5.90	29.1	6.37	33.6	7.30	35.9	7.76
	23	19.9	4.63	21.6	4.99	23.3	5.36	25.1	5.73	26.8	6.04	29.1	6.52	33.6	7.47	35.9	7.95
	25	19.9	4.74	21.6	5.11	23.3	5.49	25.1	5.87	26.8	6.19	29.1	6.68	33.6	7.66	35.9	8.15
	27	19.9	4.86	21.6	5.25	23.3	5.63	25.1	6.02	26.8	6.36	29.1	6.87	33.6	7.87	35.9	8.38
	30	19.9	5.07	21.6	5.47	23.3	5.88	25.1	6.29	26.8	6.65	29.1	7.18	33.6	8.35	35.9	9.17
	33	19.9	5.31	21.6	5.74	23.3	6.16	25.1	6.59	26.8	6.99	29.1	7.54	33.6	9.19	35.2	9.70
	35	19.9	5.49	21.6	5.94	23.3	6.38	25.1	6.82	26.8	7.24	29.1	8.00	33.6	9.79	34.6	10.04
	37	19.9	5.69	21.6	6.15	23.3	6.61	25.1	7.07	26.8	7.64	29.1	8.51	33.4	10.35	34.0	10.41
	40	19.9	6.04	21.6	6.52	23.3	7.02	25.1	7.71	26.8	8.43	29.1	9.44	32.5	10.91	33.1	10.98
	43	19.9	6.46	21.6	7.02	23.3	7.75	25.1	8.51	26.8	9.34	29.1	10.48	31.6	11.48	32.2	11.56
46	19.9	6.97	21.6	7.74	23.3	8.55	25.1	9.40	26.8	10.35	29.1	11.63	30.6	12.06	31.3	12.14	
23.4 (70%)	10	17.4	3.71	18.9	4.00	20.4	4.29	21.9	4.57	23.4	4.80	25.4	5.17	29.4	5.91	31.4	6.28
	15	17.4	3.81	18.9	4.11	20.4	4.41	21.9	4.70	23.4	4.94	25.4	5.32	29.4	6.09	31.4	6.48
	21	17.4	4.01	18.9	4.33	20.4	4.64	21.9	4.95	23.4	5.22	25.4	5.62	29.4	6.44	31.4	6.85
	23	17.4	4.10	18.9	4.42	20.4	4.74	21.9	5.06	23.4	5.33	25.4	5.75	29.4	6.59	31.4	7.00
	25	17.4	4.20	18.9	4.53	20.4	4.86	21.9	5.18	23.4	5.47	25.4	5.90	29.4	6.75	31.4	7.18
	27	17.4	4.30	18.9	4.64	20.4	4.98	21.9	5.32	23.4	5.62	25.4	6.06	29.4	6.94	31.4	7.38
	30	17.4	4.49	18.9	4.84	20.4	5.20	21.9	5.55	23.4	5.87	25.4	6.33	29.4	7.26	31.4	7.72
	33	17.4	4.70	18.9	5.07	20.4	5.45	21.9	5.82	23.4	6.16	25.4	6.65	29.4	7.63	31.4	8.35
	35	17.4	4.86	18.9	5.25	20.4	5.63	21.9	6.02	23.4	6.38	25.4	6.89	29.4	8.12	31.4	8.89
	37	17.4	5.03	18.9	5.43	20.4	5.84	21.9	6.24	23.4	6.62	25.4	7.15	29.4	8.65	31.4	9.50
	40	17.4	5.33	18.9	5.76	20.4	6.19	21.9	6.62	23.4	7.06	25.4	7.86	29.4	9.60	31.4	10.56
	43	17.4	5.71	18.9	6.17	20.4	6.63	21.9	7.15	23.4	7.81	25.4	8.70	29.4	10.65	31.0	11.41
46	17.4	6.14	18.9	6.64	20.4	7.20	21.9	7.88	23.4	8.63	25.4	9.63	29.4	11.83	30.1	11.98	
20.1 (60%)	10	14.9	3.24	16.2	3.49	17.5	3.73	18.8	3.98	20.1	4.17	21.8	4.49	25.2	5.13	26.9	5.45
	15	14.9	3.33	16.2	3.58	17.5	3.84	18.8	4.09	20.1	4.29	21.8	4.62	25.2	5.28	26.9	5.61
	21	14.9	3.50	16.2	3.77	17.5	4.04	18.8	4.30	20.1	4.53	21.8	4.88	25.2	5.58	26.9	5.93
	23	14.9	3.57	16.2	3.85	17.5	4.12	18.8	4.40	20.1	4.63	21.8	4.99	25.2	5.70	26.9	6.06
	25	14.9	3.66	16.2	3.94	17.5	4.22	18.8	4.50	20.1	4.75	21.8	5.11	25.2	5.85	26.9	6.22
	27	14.9	3.75	16.2	4.04	17.5	4.33	18.8	4.62	20.1	4.87	21.8	5.25	25.2	6.01	26.9	6.39
	30	14.9	3.91	16.2	4.21	17.5	4.51	18.8	4.82	20.1	5.09	21.8	5.49	25.2	6.28	26.9	6.68
	33	14.9	4.09	16.2	4.41	17.5	4.73	18.8	5.05	20.1	5.34	21.8	5.76	25.2	6.60	26.9	7.01
	35	14.9	4.22	16.2	4.55	17.5	4.89	18.8	5.22	20.1	5.53	21.8	5.96	25.2	6.83	26.9	7.27
	37	14.9	4.37	16.2	4.72	17.5	5.06	18.8	5.41	20.1	5.74	21.8	6.19	25.2	7.09	26.9	7.68
	40	14.9	4.63	16.2	5.00	17.5	5.36	18.8	5.73	20.1	6.09	21.8	6.57	25.2	7.76	26.9	8.48
	43	14.9	4.95	16.2	5.34	17.5	5.74	18.8	6.13	20.1	6.53	21.8	7.11	25.2	8.59	26.9	9.40
46	14.9	5.32	16.2	5.75	17.5	6.17	18.8	6.60	20.1	7.08	21.8	7.85	25.2	9.51	26.9	10.42	
16.8 (50%)	10	12.4	2.77	13.5	2.97	14.6	3.18	15.7	3.38	16.8	3.54	18.2	3.81	21.0	4.34	22.4	4.61
	15	12.4	2.84	13.5	3.05	14.6	3.27	15.7	3.48	16.8	3.65	18.2	3.92	21.0	4.47	22.4	4.74
	21	12.4	2.98	13.5	3.21	14.6	3.43	15.7	3.66	16.8	3.84	18.2	4.13	21.0	4.72	22.4	5.01
	23	12.4	3.05	13.5	3.27	14.6	3.50	15.7	3.73	16.8	3.93	18.2	4.23	21.0	4.82	22.4	5.12
	25	12.4	3.11	13.5	3.35	14.6	3.58	15.7	3.82	16.8	4.02	18.2	4.33	21.0	4.94	22.4	5.25
	27	12.4	3.19	13.5	3.43	14.6	3.68	15.7	3.92	16.8	4.13	18.2	4.45	21.0	5.07	22.4	5.39
	30	12.4	3.32	13.5	3.58	14.6	3.83	15.7	4.08	16.8	4.31	18.2	4.64	21.0	5.30	22.4	5.63
	33	12.4	3.47	13.5	3.74	14.6	4.01	15.7	4.27	16.8	4.52	18.2	4.87	21.0	5.57	22.4	5.91
	35	12.4	3.59	13.5	3.86	14.6	4.14	15.7	4.42	16.8	4.68	18.2	5.04	21.0	5.76	22.4	6.12
	37	12.4	3.71	13.5	4.00	14.6	4.29	15.7	4.57	16.8	4.85	18.2	5.23	21.0	5.98	22.4	6.35
	40	12.4	3.93	13.5	4.23	14.6	4.54	15.7	4.84	16.8	5.15	18.2	5.55	21.0	6.35	22.4	6.75
	43	12.4	4.19	13.5	4.52	14.6	4.85	15.7	5.18	16.8	5.51	18.2	5.95	21.0	6.81	22.4	7.37
46	12.4	4.50	13.5	4.86	14.6	5.21	15.7	5.57	16.8	5.94	18.2	6.41	21.0	7.48	22.4	8.14	

MODEL SELECTION

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