

HEATING CAPACITY

■ **MODEL : AJ*108LALBH**

● **Capacity : 37.5 kW (12HP)**

MODEL SELECTION

MODEL SELECTION

Total rated capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
56.2 (150%)	-19.3	-20.0	22.4	6.87	22.1	6.97	21.8	7.08	21.7	7.13	21.5	7.18	21.2	7.29	21.0	7.39
	-15.0	-16.0	25.1	7.17	24.8	7.29	24.6	7.41	24.5	7.47	24.4	7.53	24.2	7.66	23.9	7.78
	-12.0	-13.0	27.3	7.39	27.1	7.53	26.9	7.66	26.8	7.73	26.7	7.79	26.5	7.93	26.3	8.07
	-9.0	-10.0	29.7	7.61	29.5	7.76	29.3	7.90	29.3	7.98	29.2	8.05	29.0	8.20	28.8	8.34
	-7.0	-8.0	31.4	7.76	31.2	7.91	31.0	8.06	31.0	8.14	30.9	8.22	30.7	8.37	30.5	8.53
	-5.0	-6.0	33.1	7.90	33.0	8.06	32.8	8.22	32.7	8.30	32.6	8.38	32.5	8.54	32.3	8.71
	-3.0	-4.0	34.9	8.05	34.8	8.21	34.6	8.38	34.5	8.46	34.4	8.54	34.3	8.71	34.1	8.88
	-1.0	-2.0	36.8	8.19	36.6	8.36	36.4	8.53	36.3	8.62	36.2	8.70	36.1	8.88	35.9	9.05
	0.0	-1.0	37.7	8.26	37.5	8.43	37.4	8.61	37.3	8.69	37.2	8.78	37.0	8.96	36.8	9.14
	2.0	1.0	39.6	8.39	39.4	8.57	39.2	8.76	39.1	8.85	39.0	8.94	38.8	9.12	38.6	9.30
	5.0	4.0	42.5	8.59	42.3	8.78	42.1	8.97	42.0	9.07	41.9	9.16	41.6	9.35	41.4	9.54
	7.0	6.0	44.5	8.72	44.2	8.92	44.0	9.11	43.9	9.21	43.8	9.31	43.5	9.50	43.3	9.70
	9.0	7.8	46.2	8.84	46.0	9.04	45.7	9.23	45.6	9.33	45.5	9.43	45.2	9.63	44.2	9.83
	12.0	10.6	49.0	9.01	48.7	9.21	48.4	9.42	48.3	9.52	48.1	9.62	47.8	9.83	44.2	9.41
	15.0	13.5	51.9	9.18	51.6	9.39	51.2	9.60	51.1	9.70	50.9	9.81	48.2	9.77	44.2	8.87
52.5 (140%)	-19.3	-20.0	22.3	6.90	22.0	7.01	21.7	7.11	21.6	7.17	21.4	7.22	21.1	7.33	20.9	7.43
	-15.0	-16.0	25.0	7.22	24.7	7.34	24.5	7.46	24.4	7.52	24.3	7.59	24.1	7.71	23.8	7.83
	-12.0	-13.0	27.2	7.45	27.0	7.59	26.8	7.72	26.7	7.79	26.6	7.86	26.4	7.99	26.2	8.13
	-9.0	-10.0	29.6	7.69	29.4	7.83	29.3	7.98	29.2	8.05	29.1	8.12	28.9	8.27	28.7	8.42
	-7.0	-8.0	31.3	7.84	31.1	7.99	31.0	8.15	30.9	8.22	30.8	8.30	30.6	8.45	30.4	8.61
	-5.0	-6.0	33.0	8.00	32.9	8.15	32.7	8.31	32.6	8.39	32.5	8.47	32.4	8.64	32.2	8.80
	-3.0	-4.0	34.8	8.15	34.7	8.31	34.5	8.48	34.4	8.56	34.3	8.65	34.1	8.81	34.0	8.98
	-1.0	-2.0	36.7	8.30	36.5	8.47	36.3	8.64	36.2	8.73	36.1	8.81	36.0	8.99	35.8	9.16
	0.0	-1.0	37.6	8.37	37.4	8.55	37.2	8.72	37.1	8.81	37.1	8.90	36.9	9.07	36.7	9.25
	2.0	1.0	39.5	8.52	39.3	8.70	39.1	8.88	39.0	8.97	38.9	9.06	38.7	9.24	38.5	9.43
	5.0	4.0	42.3	8.73	42.1	8.92	41.9	9.11	41.8	9.21	41.7	9.30	41.5	9.49	41.2	9.68
	7.0	6.0	44.3	8.87	44.1	9.07	43.8	9.26	43.7	9.36	43.6	9.46	43.3	9.65	41.2	9.58
	9.0	7.8	46.0	9.00	45.8	9.19	45.5	9.39	45.4	9.49	45.3	9.59	45.0	9.79	41.2	9.24
	12.0	10.6	48.8	9.18	48.5	9.39	48.2	9.59	48.0	9.69	47.9	9.79	45.0	9.60	41.2	8.73
	15.0	13.5	51.6	9.37	51.2	9.57	50.9	9.78	50.6	9.89	48.8	9.89	45.0	9.05	41.2	8.23
48.7 (130%)	-19.3	-20.0	22.1	6.95	21.8	7.05	21.6	7.16	21.4	7.21	21.3	7.26	21.0	7.37	20.8	7.48
	-15.0	-16.0	24.8	7.28	24.6	7.40	24.4	7.52	24.3	7.58	24.2	7.65	23.9	7.77	23.7	7.89
	-12.0	-13.0	27.1	7.53	26.9	7.66	26.7	7.79	26.6	7.86	26.5	7.93	26.3	8.06	26.1	8.20
	-9.0	-10.0	29.5	7.77	29.3	7.92	29.1	8.06	29.1	8.14	29.0	8.21	28.8	8.36	28.6	8.50
	-7.0	-8.0	31.2	7.94	31.0	8.09	30.8	8.24	30.8	8.32	30.7	8.40	30.5	8.55	30.3	8.70
	-5.0	-6.0	32.9	8.10	32.8	8.26	32.6	8.42	32.5	8.50	32.4	8.58	32.2	8.74	32.1	8.90
	-3.0	-4.0	34.7	8.26	34.5	8.43	34.4	8.59	34.3	8.68	34.2	8.76	34.0	8.93	33.9	9.10
	-1.0	-2.0	36.5	8.42	36.4	8.60	36.2	8.77	36.1	8.85	36.0	8.94	35.8	9.11	35.6	9.29
	0.0	-1.0	37.5	8.50	37.3	8.68	37.1	8.85	37.0	8.94	36.9	9.03	36.7	9.21	36.5	9.38
	2.0	1.0	39.3	8.66	39.1	8.84	38.9	9.02	38.8	9.11	38.7	9.20	38.6	9.39	38.3	9.57
	5.0	4.0	42.2	8.89	42.0	9.08	41.7	9.27	41.6	9.36	41.5	9.46	41.3	9.65	38.3	9.22
	7.0	6.0	44.1	9.04	43.8	9.24	43.6	9.43	43.5	9.53	43.4	9.63	41.8	9.72	38.3	8.85
	9.0	7.8	45.8	9.18	45.5	9.38	45.3	9.57	45.2	9.67	45.0	9.77	41.8	9.37	38.3	8.53
	12.0	10.6	48.5	9.38	48.2	9.58	47.9	9.79	47.0	9.89	45.3	9.66	41.8	8.85	38.3	8.06
	15.0	13.5	51.2	9.58	50.9	9.79	48.7	9.99	47.0	9.50	45.3	9.11	41.8	8.35	38.3	7.60
45.0 (120%)	-19.3	-20.0	22.0	7.00	21.7	7.10	21.4	7.21	21.3	7.26	21.2	7.31	20.9	7.42	20.6	7.53
	-15.0	-16.0	24.7	7.35	24.5	7.47	24.3	7.59	24.2	7.65	24.0	7.71	23.8	7.84	23.6	7.96
	-12.0	-13.0	27.0	7.61	26.8	7.75	26.6	7.88	26.5	7.95	26.4	8.01	26.2	8.15	26.0	8.28
	-9.0	-10.0	29.4	7.87	29.2	8.02	29.0	8.16	28.9	8.24	28.8	8.31	28.7	8.46	28.5	8.60
	-7.0	-8.0	31.1	8.05	30.9	8.20	30.7	8.35	30.6	8.43	30.5	8.51	30.4	8.66	30.2	8.82
	-5.0	-6.0	32.8	8.22	32.6	8.38	32.5	8.54	32.4	8.62	32.3	8.70	32.1	8.86	31.9	9.02
	-3.0	-4.0	34.6	8.40	34.4	8.56	34.2	8.73	34.1	8.81	34.1	8.90	33.9	9.06	33.7	9.23
	-1.0	-2.0	36.4	8.57	36.2	8.74	36.0	8.91	35.9	9.00	35.9	9.09	35.7	9.26	35.4	9.43
	0.0	-1.0	37.3	8.66	37.1	8.83	36.9	9.01	36.8	9.09	36.8	9.18	36.6	9.36	35.4	9.40
	2.0	1.0	39.1	8.83	39.0	9.01	38.8	9.19	38.7	9.28	38.6	9.37	38.4	9.55	35.4	9.01
	5.0	4.0	42.0	9.08	41.7	9.27	41.5	9.45	41.4	9.55	41.3	9.64	38.6	9.29	35.4	8.47
	7.0	6.0	43.8	9.24	43.6	9.44	43.4	9.63	43.2	9.72	41.8	9.72	38.6	8.91	35.4	8.13
	9.0	7.8	45.5	9.39	45.3	9.58	45.0	9.78	43.4	9.76	41.8	9.37	38.6	8.59	35.4	7.83
	12.0	10.6	48.1	9.61	47.9	9.81	45.0	9.60	43.4	9.22	41.8	8.85	38.6	8.12	35.4	7.41
	15.0	13.5	50.8	9.82	48.2	9.77	45.0	9.05	43.4	8.70	41.8	8.35	38.6	7.66	35.4	6.99
41.2 (110%)	-19.3	-20.0	21.8	7.06	21.5	7.17	21.3	7.27	21.1	7.32	21.0	7.38	20.7	7.48	20.5	7.59
	-15.0	-16.0	24.6	7.43	24.3	7.55	24.1	7.67	24.0	7.74	23.9	7.80	23.7	7.92	23.5	8.04
	-12.0	-13.0	26.8	7.71	26.6	7.84	26.4	7.98	26.3	8.05	26.2	8.11	26.0	8.25	25.9	8.38
	-9.0	-10.0	29.2	7.99	29.1	8.14	28.9	8.28	28.8	8.36	28.7	8.43	28.5	8.57	28.4	8.72
	-7.0	-8.0	30.9	8.18	30.7	8.33	30.6	8.49	30.5	8.56	30.4	8.64	30.2	8.79	30.1	8.95
	-5.0	-6.0	32.6	8.37	32.5	8.53	32.3	8.69	32.2	8.77	32.1	8.85	32.0	9.01	31.8	9.17
	-3.0	-4.0	34.4	8.56	34.2	8.72	34.1	8.89	34.0	8.97	33.9	9.05	33.7	9.22	32.4	9.15
	-1.0	-2.0	36.2	8.74	36.0	8.92	35.8	9.09	35.8	9.17	35.7	9.26	35.4	9.43	32.4	8.76
	0.0	-1.0	37.1	8.84	36.9	9.01	36.7	9.19	36.7	9.27	36.6	9.36	35.4	9.40	32.4	8.58
	2.0	1.0	38.9	9.02	38.7	9.20	38.6	9.38	38.5	9.47	38.3	9.56	35.4	9.01	32.4	8.22
	5.0	4.0	41.7	9.30	41.5	9.48	41.2	9.67	39.8	9.60	38.3	9.22	35.4	8.47	32.4	7.73
	7.0	6.0	43.5	9.47	43.3	9.67	41.2	9.59	39.8	9.21	38.3	8.85	35.4	8.13	32.4	7.42
	9.0	7.8	45.2	9.63	44.2	9.83	41.2	9.24	39.8	8.88	38.3	8.53	35.4	7.83	32.4	7.15
	12.0	10.6	47.1	9.87	44.2	9.41	41.2	8.73	39.8	8.39	38.3	8.06	35.4	7.40	32.4	6.76
	15.0	13.5	47.1	9.53	44.2	8.87	41.2	8.23	39.8	7.91	38.3	7.60	35.4	6.99	32.4	6.38

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.

HEATING CAPACITY

■ **MODEL : AJ*108LALBH**

● **Capacity : 37.5 kW (12HP)**

MODEL SELECTION

MODEL SELECTION

Total rated capacity of indoor unit	Outdoor temperature		Indoor temperature													
			16°CDB		18°CDB		20°CDB		21°CDB		22°CDB		24°CDB		26°CDB	
	(°CDB)	(°CWB)	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP	TC	IP
37.5 (100%)	-19.3	-20.0	21.6	7.13	21.3	7.24	21.1	7.34	20.9	7.39	20.8	7.45	20.5	7.55	20.3	7.66
	-15.0	-16.0	24.4	7.53	24.2	7.65	23.9	7.77	23.8	7.83	23.7	7.89	23.5	8.02	23.3	8.14
	-12.0	-13.0	26.6	7.83	26.4	7.96	26.3	8.10	26.2	8.16	26.1	8.23	25.9	8.37	25.7	8.50
	-9.0	-10.0	29.1	8.13	28.9	8.28	28.7	8.42	28.6	8.50	28.5	8.57	28.4	8.71	28.2	8.86
	-7.0	-8.0	30.7	8.34	30.6	8.49	30.4	8.64	30.3	8.72	30.2	8.79	30.1	8.95	29.5	9.06
	-5.0	-6.0	32.5	8.54	32.3	8.70	32.1	8.86	32.0	8.94	32.0	9.02	31.8	9.18	29.5	8.66
	-3.0	-4.0	34.2	8.75	34.0	8.91	33.9	9.08	33.8	9.16	33.7	9.24	32.1	9.07	29.5	8.28
	-1.0	-2.0	36.0	8.95	35.8	9.12	35.6	9.29	35.5	9.38	34.8	9.45	32.1	8.69	29.5	7.93
	0.0	-1.0	36.9	9.05	36.7	9.23	36.5	9.40	36.2	9.49	34.8	9.25	32.1	8.50	29.5	7.77
	2.0	1.0	38.7	9.25	38.5	9.43	37.5	9.60	36.2	9.23	34.8	8.87	32.1	8.15	29.5	7.45
	5.0	4.0	41.4	9.55	40.2	9.71	37.5	9.01	36.2	8.67	34.8	8.33	32.1	7.66	29.5	7.00
	7.0	6.0	42.9	9.75	40.2	9.32	37.5	8.65	36.2	8.32	34.8	8.00	32.1	7.36	29.5	6.73
	9.0	7.8	42.9	9.63	40.2	8.98	37.5	8.34	36.2	8.02	34.8	7.71	32.1	7.09	29.5	6.49
	12.0	10.6	42.9	9.10	40.2	8.48	37.5	7.88	36.2	7.58	34.8	7.29	32.1	6.71	29.5	6.13
	15.0	13.5	42.9	8.58	40.2	8.00	37.5	7.43	36.2	7.15	34.8	6.88	32.1	6.33	29.5	5.79
33.7 (90%)	-19.3	-20.0	21.4	7.22	21.1	7.33	20.8	7.43	20.7	7.48	20.6	7.54	20.3	7.64	20.1	7.75
	-15.0	-16.0	24.1	7.65	23.9	7.77	23.7	7.89	23.6	7.95	23.5	8.01	23.3	8.13	23.1	8.26
	-12.0	-13.0	26.4	7.97	26.2	8.11	26.1	8.24	26.0	8.31	25.9	8.37	25.7	8.51	25.5	8.64
	-9.0	-10.0	28.8	8.30	28.7	8.45	28.5	8.59	28.4	8.67	28.3	8.74	28.2	8.88	26.5	8.51
	-7.0	-8.0	30.5	8.53	30.4	8.68	30.2	8.83	30.1	8.91	30.0	8.98	28.9	8.89	26.5	8.12
	-5.0	-6.0	32.2	8.75	32.1	8.91	31.9	9.07	31.8	9.15	31.3	9.23	28.9	8.49	26.5	7.77
	-3.0	-4.0	34.0	8.98	33.8	9.14	33.6	9.30	32.5	9.19	31.3	8.83	28.9	8.13	26.5	7.43
	-1.0	-2.0	35.7	9.20	35.6	9.37	33.7	9.14	32.5	8.80	31.3	8.46	28.9	7.79	26.5	7.12
	0.0	-1.0	36.6	9.31	36.2	9.48	33.7	8.95	32.5	8.61	31.3	8.28	28.9	7.62	26.5	6.97
	2.0	1.0	38.4	9.53	36.2	9.23	33.7	8.58	32.5	8.26	31.3	7.94	28.9	7.31	26.5	6.69
	5.0	4.0	38.6	9.29	36.2	8.67	33.7	8.06	32.5	7.76	31.3	7.46	28.9	6.87	26.5	6.29
	7.0	6.0	38.6	8.91	36.2	8.32	33.7	7.74	32.5	7.45	31.3	7.17	28.9	6.60	26.5	6.05
	9.0	7.8	38.6	8.59	36.2	8.02	33.7	7.46	32.5	7.18	31.3	6.91	28.9	6.37	26.5	5.83
	12.0	10.6	38.6	8.12	36.2	7.58	33.7	7.05	32.5	6.79	31.3	6.53	28.9	6.02	26.5	5.52
	15.0	13.5	38.6	7.66	36.2	7.15	33.7	6.66	32.5	6.41	31.3	6.17	28.9	5.69	26.5	5.21
30.0 (80%)	-19.3	-20.0	21.1	7.33	20.8	7.43	20.6	7.54	20.4	7.59	20.3	7.64	20.1	7.75	19.8	7.86
	-15.0	-16.0	23.9	7.79	23.7	7.92	23.5	8.04	23.4	8.10	23.3	8.16	23.1	8.28	22.8	8.40
	-12.0	-13.0	26.2	8.15	26.0	8.28	25.8	8.42	25.7	8.48	25.6	8.55	25.4	8.69	23.6	8.12
	-9.0	-10.0	28.6	8.52	28.4	8.66	28.2	8.80	28.2	8.88	27.9	8.95	25.7	8.25	23.6	7.55
	-7.0	-8.0	30.3	8.76	30.1	8.91	29.9	9.06	28.9	8.89	27.9	8.55	25.7	7.87	23.6	7.21
	-5.0	-6.0	32.0	9.01	31.8	9.17	30.0	8.82	28.9	8.49	27.9	8.17	25.7	7.53	23.6	6.89
	-3.0	-4.0	33.7	9.26	32.1	9.07	30.0	8.44	28.9	8.13	27.9	7.82	25.7	7.20	23.6	6.60
	-1.0	-2.0	34.3	9.30	32.1	8.69	30.0	8.08	28.9	7.79	27.9	7.49	25.7	6.90	23.6	6.33
	0.0	-1.0	34.3	9.10	32.1	8.50	30.0	7.91	28.9	7.62	27.9	7.33	25.7	6.76	23.6	6.20
	2.0	1.0	34.3	8.72	32.1	8.15	30.0	7.59	28.9	7.31	27.9	7.03	25.7	6.49	23.6	5.95
	5.0	4.0	34.3	8.20	32.1	7.66	30.0	7.13	28.9	6.87	27.9	6.61	25.7	6.10	23.6	5.60
	7.0	6.0	34.3	7.87	32.1	7.36	30.0	6.85	28.9	6.60	27.9	6.35	25.7	5.86	23.6	5.38
	9.0	7.8	34.3	7.59	32.1	7.09	30.0	6.61	28.9	6.37	27.9	6.13	25.7	5.66	23.6	5.19
	12.0	10.6	34.3	7.17	32.1	6.71	30.0	6.25	28.9	6.02	27.9	5.80	25.7	5.35	23.6	4.92
	15.0	13.5	34.3	6.77	32.1	6.33	30.0	5.90	28.9	5.69	27.9	5.47	25.7	5.06	23.6	4.65
26.2 (70%)	-19.3	-20.0	20.7	7.47	20.5	7.57	20.2	7.68	20.1	7.73	20.0	7.78	19.7	7.89	19.5	7.99
	-15.0	-16.0	23.6	7.98	23.3	8.10	23.1	8.22	23.0	8.28	22.9	8.35	22.5	8.36	20.6	7.66
	-12.0	-13.0	25.9	8.38	25.7	8.51	25.5	8.64	25.3	8.71	24.4	8.40	22.5	7.74	20.6	7.09
	-9.0	-10.0	28.3	8.79	28.1	8.93	26.2	8.42	25.3	8.12	24.4	7.81	22.5	7.20	20.6	6.60
	-7.0	-8.0	29.9	9.06	28.1	8.63	26.2	8.04	25.3	7.75	24.4	7.46	22.5	6.88	20.6	6.31
	-5.0	-6.0	30.0	8.82	28.1	8.25	26.2	7.69	25.3	7.41	24.4	7.13	22.5	6.58	20.6	6.04
	-3.0	-4.0	30.0	8.44	28.1	7.90	26.2	7.36	25.3	7.09	24.4	6.83	22.5	6.30	20.6	5.79
	-1.0	-2.0	30.0	8.08	28.1	7.56	26.2	7.05	25.3	6.80	24.4	6.54	22.5	6.04	20.6	5.55
	0.0	-1.0	30.0	7.91	28.1	7.40	26.2	6.90	25.3	6.65	24.4	6.41	22.5	5.92	20.6	5.44
	2.0	1.0	30.0	7.59	28.1	7.10	26.2	6.62	25.3	6.38	24.4	6.15	22.5	5.68	20.6	5.22
	5.0	4.0	30.0	7.13	28.1	6.68	26.2	6.23	25.3	6.01	24.4	5.79	22.5	5.35	20.6	4.92
	7.0	6.0	30.0	6.85	28.1	6.41	26.2	5.99	25.3	5.77	24.4	5.56	22.5	5.14	20.6	4.73
	9.0	7.8	30.0	6.61	28.1	6.19	26.2	5.77	25.3	5.57	24.4	5.37	22.5	4.96	20.6	4.57
	12.0	10.6	30.0	6.25	28.1	5.85	26.2	5.46	25.3	5.27	24.4	5.08	22.5	4.70	20.6	4.33
	15.0	13.5	30.0	5.90	28.1	5.53	26.2	5.16	25.3	4.98	24.4	4.80	22.5	4.44	20.6	4.09
22.5 (60%)	-19.3	-20.0	20.3	7.65	20.0	7.76	19.8	7.86	19.7	7.91	19.6	7.97	19.3	8.01	17.7	7.34
	-15.0	-16.0	23.1	8.23	22.9	8.35	22.5	8.36	21.7	8.06	20.9	7.76	19.3	7.16	17.7	6.57
	-12.0	-13.0	25.4	8.68	24.1	8.30	22.5	7.74	21.7	7.46	20.9	7.18	19.3	6.64	17.7	6.09
	-9.0	-10.0	25.7	8.25	24.1	7.72	22.5	7.20	21.7	6.94	20.9	6.69	19.3	6.18	17.7	5.68
	-7.0	-8.0	25.7	7.87	24.1	7.37	22.5	6.88	21.7	6.63	20.9	6.39	19.3	5.91	17.7	5.43
	-5.0	-6.0	25.7	7.53	24.1	7.05	22.5	6.58	21.7	6.35	20.9	6.12	19.3	5.66	17.7	5.20
	-3.0	-4.0	25.7	7.20	24.1	6.75	22.5	6.30	21.7	6.08	20.9	5.86	19.3	5.42	17.7	4.99
	-1.0	-2.0	25.7	6.90	24.1	6.47	22.5	6.04	21.7	5.83	20.9	5.62	19.3	5.20	17.7	4.79
	0.0	-1.0	25.7	6.76	24.1	6.34	22.5	5.92	21.7	5.71	20.9	5.51	19.3	5.10	17.7	4.69
	2.0	1.0	25.7	6.49	24.1	6.08	22.5	5.68	21.7	5.48	20.9	5.29	19.3	4.90	17.7	4.51
	5.0	4.0	25.7	6.10	24.1	5.72	22.5	5.35	21.7	5.16	20.9	4.98	19.3	4.61	17.7	4.25
	7.0	6.0	25.7	5.86	24.1	5.50	22.5	5.14	21.7	4.97	20.9	4.79	19.3	4.44	17.7	4.09
	9.0	7.8	25.7	5.66	24.1	5.31	22.5	4.96	21.7	4.79	20.9	4.62	19.3	4.29	17.7	3.95
	12.0	10.6	25.7	5.35	24.1	5.03	22.5	4.70	21.7	4.54	20.9	4.38	19.3	4.06	17.7	3.75
	15.0	13.5	25.7	5.06	24.1	4.75	22.5	4.44	21.7	4.29	20.9	4.14	19.3	3.85	17.7	3.55
18.8 (50%)	-19.3	-20.0	19.7	7.91	19.5	8.01	18.8	7.79	18.1	7.51	17.4	7.23	16.1	6.68	14.7	6.14
	-15.0	-16.0	21.4	7.96	20.1	7.46	18.8	6.96	18.1</							