

**Series VI Performance Data**

**The Whalen Company**

**VI-603**

Cooling Capacity

ELT	Entering Air GPM Pd FT	80°F db / 67°F wb			78°F db / 65°F wb			75°F db / 63°F wb		
		4.5	3.75	3	4.5	3.75	3	4.5	3.75	3
		11.2	7.8	5.0	11.2	7.8	5.0	11.2	7.8	5.0
75	Total kBTUH	19.67	19.21	18.31	18.83	18.39	17.53	17.99	17.58	16.75
	Sensible KBTUH	13.76	13.54	13.11	13.78	13.56	13.13	13.02	12.81	12.41
	Watts kW	1.17	1.22	1.30	1.17	1.21	1.30	1.17	1.21	1.30
	Heat of Rejection kBTUH	23.66	23.36	22.74	22.81	22.54	21.95	21.97	21.71	21.17
	Liquid Rise °F	10.5	12.5	15.2	10.1	12.0	14.6	9.8	11.6	14.1
80	Total kBTUH	19.00	18.57	17.69	18.19	17.78	16.94	17.39	16.99	16.19
	Sensible KBTUH	13.45	13.24	12.82	13.47	13.26	12.84	12.73	12.53	12.13
	Watts kW	1.24	1.29	1.38	1.24	1.29	1.37	1.24	1.28	1.37
	Heat of Rejection kBTUH	23.23	22.96	22.39	22.42	22.16	21.63	21.60	21.37	20.87
	Liquid Rise °F	10.3	12.2	14.9	10.0	11.8	14.4	9.6	11.4	13.9
85	Total kBTUH	18.30	17.88	17.04	17.52	17.12	16.31	16.74	16.36	15.59
	Sensible KBTUH	13.12	12.91	12.50	13.14	12.93	12.52	12.41	12.22	11.83
	Watts kW	1.31	1.36	1.46	1.31	1.36	1.45	1.31	1.36	1.45
	Heat of Rejection kBTUH	22.77	22.53	22.01	21.99	21.76	21.27	21.20	21.00	20.54
	Liquid Rise °F	10.1	12.0	14.7	9.8	11.6	14.2	9.4	11.2	13.7
90	Total kBTUH	17.55	17.15	16.34	16.80	16.42	15.64	16.05	15.69	14.95
	Sensible KBTUH	12.76	12.56	12.16	12.78	12.58	12.18	12.07	11.88	11.51
	Watts kW	1.39	1.44	1.54	1.39	1.44	1.54	1.39	1.44	1.54
	Heat of Rejection kBTUH	22.29	22.07	21.60	21.53	21.33	20.90	20.78	20.60	20.20
	Liquid Rise °F	9.9	11.8	14.4	9.6	11.4	13.9	9.2	11.0	13.5
95	Total kBTUH	16.76	16.37	15.60	16.04	15.67	14.94	15.33	14.98	14.27
	Sensible KBTUH	12.38	12.18	11.80	12.39	12.20	11.81	11.71	11.53	11.16
	Watts kW	1.47	1.53	1.63	1.47	1.53	1.63	1.47	1.52	1.63
	Heat of Rejection kBTUH	21.77	21.58	21.17	21.05	20.88	20.50	20.33	20.18	19.83
	Liquid Rise °F	9.7	11.5	14.1	9.4	11.1	13.7	9.0	10.8	13.2

Heating Capacity

ELT	Entering Air GPM Pd FT	65°F db			70°F db			75°F db		
		4.5	3.75	3	4.5	3.75	3	4.5	3.75	3
		11.2	7.8	5.0	11.2	7.8	5.0	11.2	7.8	5.0
60	Heat kBTUH	20.41	19.88	18.81	19.97	19.45	18.41	19.53	19.02	18.00
	Watts kW	1.29	1.28	1.27	1.36	1.35	1.34	1.42	1.41	1.40
	Heat of Absorption kBTUH	16.00	15.51	14.47	15.34	14.86	13.85	14.67	14.20	13.21
	Liquid Drop °F	7.1	8.3	9.6	6.8	7.9	9.2	6.5	7.6	8.8
	65	Heat kBTUH	21.58	21.02	19.89	21.12	20.57	19.47	20.65	20.11
Watts kW		1.30	1.29	1.29	1.37	1.36	1.35	1.44	1.43	1.42
Heat of Absorption kBTUH		17.13	16.60	15.51	16.44	15.93	14.86	15.74	15.24	14.20
Liquid Drop °F		7.6	8.9	10.3	7.3	8.5	9.9	7.0	8.1	9.5
70		Heat kBTUH	22.73	22.14	20.95	22.24	21.66	20.50	21.75	21.18
	Watts kW	1.32	1.31	1.30	1.38	1.37	1.36	1.45	1.44	1.43
	Heat of Absorption kBTUH	18.23	17.67	16.52	17.52	16.97	15.85	16.79	16.26	15.16
	Liquid Drop °F	8.1	9.4	11.0	7.8	9.1	10.6	7.5	8.7	10.1
	75	Heat kBTUH	23.85	23.23	21.98	23.34	22.73	21.51	22.82	22.23
Watts kW		1.33	1.32	1.31	1.40	1.39	1.38	1.47	1.46	1.44
Heat of Absorption kBTUH		19.32	18.73	17.52	18.57	18.00	16.82	17.82	17.26	16.11
Liquid Drop °F		8.6	10.0	11.7	8.3	9.6	11.2	7.9	9.2	10.7
80		Heat kBTUH	24.95	24.30	23.00	24.42	23.78	22.50	23.87	23.25
	Watts kW	1.34	1.33	1.32	1.41	1.40	1.39	1.48	1.47	1.46
	Heat of Absorption kBTUH	20.38	19.76	18.49	19.61	19.01	17.77	18.83	18.24	17.04
	Liquid Drop °F	9.1	10.5	12.3	8.7	10.1	11.8	8.4	9.7	11.4