

Series VI Performance Data

The Whalen Company

VI-303

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		
		2.5	1.875	1.5	2.5	1.875	1.5	2.5	1.875	1.5
		9.6	5.4	3.5	9.6	5.4	3.5	9.6	5.4	3.5
75	Total kBTUH	10.45	10.23	9.89	10.00	9.79	9.47	9.56	9.35	9.05
	Sensible KBTUH	7.54	7.43	7.32	7.55	7.44	7.33	7.13	7.03	6.92
	Watts kW	0.62	0.64	0.66	0.62	0.64	0.66	0.62	0.64	0.66
	Heat of Rejection kBTUH	12.56	12.40	12.15	12.12	11.96	11.73	11.67	11.52	11.31
	Liquid Rise °F	10.1	13.2	16.2	9.7	12.8	15.6	9.3	12.3	15.1
80	Total kBTUH	10.15	9.93	9.60	9.72	9.51	9.20	9.29	9.09	8.79
	Sensible KBTUH	7.44	7.34	7.23	7.45	7.35	7.24	7.04	6.94	6.84
	Watts kW	0.65	0.67	0.70	0.65	0.67	0.70	0.65	0.67	0.70
	Heat of Rejection kBTUH	12.38	12.23	12.00	11.95	11.80	11.59	11.51	11.38	11.18
	Liquid Rise °F	9.9	13.0	16.0	9.6	12.6	15.4	9.2	12.1	14.9
85	Total kBTUH	9.82	9.61	9.29	9.40	9.20	8.90	8.98	8.79	8.50
	Sensible KBTUH	7.34	7.23	7.12	7.35	7.24	7.13	6.94	6.84	6.74
	Watts kW	0.69	0.71	0.74	0.69	0.71	0.74	0.69	0.71	0.74
	Heat of Rejection kBTUH	12.18	12.04	11.82	11.76	11.63	11.42	11.34	11.21	11.03
	Liquid Rise °F	9.7	12.8	15.8	9.4	12.4	15.2	9.1	12.0	14.7
90	Total kBTUH	9.46	9.26	8.95	9.06	8.86	8.57	8.65	8.47	8.19
	Sensible KBTUH	7.21	7.11	7.00	7.22	7.12	7.01	6.83	6.73	6.63
	Watts kW	0.73	0.75	0.78	0.73	0.75	0.78	0.73	0.75	0.78
	Heat of Rejection kBTUH	11.95	11.82	11.63	11.55	11.43	11.24	11.14	11.03	10.86
	Liquid Rise °F	9.6	12.6	15.5	9.2	12.2	15.0	8.9	11.8	14.5
95	Total kBTUH	9.07	8.87	8.58	8.68	8.50	8.22	8.30	8.12	7.85
	Sensible KBTUH	7.08	6.97	6.87	7.09	6.98	6.88	6.70	6.60	6.50
	Watts kW	0.77	0.80	0.83	0.77	0.79	0.83	0.77	0.79	0.83
	Heat of Rejection kBTUH	11.71	11.59	11.41	11.32	11.21	11.04	10.93	10.82	10.67
	Liquid Rise °F	9.4	12.4	15.2	9.1	12.0	14.7	8.7	11.5	14.2

Heating Capacity

ELT	Entering Air GPM Pd FT	65°F db			70°F db			75°F db		
		2.5	1.875	1.5	2.5	1.875	1.5	2.5	1.875	1.5
		9.6	5.4	3.5	9.6	5.4	3.5	9.6	5.4	3.5
60	Heat kBTUH	11.42	11.06	10.53	11.17	10.83	10.30	10.93	10.59	10.07
	Watts kW	0.68	0.68	0.67	0.72	0.72	0.71	0.75	0.75	0.74
	Heat of Absorption kBTUH	9.09	8.73	8.23	8.73	8.38	7.89	8.36	8.02	7.54
	Liquid Drop °F	7.3	9.3	11.0	7.0	8.9	10.5	6.7	8.6	10.1
65	Heat kBTUH	12.12	11.74	11.17	11.86	11.49	10.93	11.60	11.23	10.69
	Watts kW	0.69	0.69	0.68	0.73	0.73	0.72	0.76	0.76	0.75
	Heat of Absorption kBTUH	9.76	9.39	8.85	9.39	9.01	8.49	9.00	8.64	8.13
	Liquid Drop °F	7.8	10.0	11.8	7.5	9.6	11.3	7.2	9.2	10.8
70	Heat kBTUH	12.79	12.39	11.79	12.52	12.13	11.54	12.24	11.86	11.29
	Watts kW	0.70	0.70	0.69	0.73	0.73	0.72	0.77	0.77	0.76
	Heat of Absorption kBTUH	10.42	10.02	9.45	10.02	9.63	9.07	9.62	9.24	8.70
	Liquid Drop °F	8.3	10.7	12.6	8.0	10.3	12.1	7.7	9.9	11.6
75	Heat kBTUH	13.45	13.03	12.39	13.16	12.75	12.13	12.87	12.46	11.86
	Watts kW	0.70	0.70	0.70	0.74	0.74	0.73	0.78	0.78	0.77
	Heat of Absorption kBTUH	11.04	10.62	10.02	10.63	10.22	9.64	10.21	9.81	9.24
	Liquid Drop °F	8.8	11.3	13.4	8.5	10.9	12.8	8.2	10.5	12.3
80	Heat kBTUH	14.07	13.63	12.97	13.77	13.34	12.69	13.46	13.04	12.41
	Watts kW	0.71	0.71	0.70	0.75	0.75	0.74	0.78	0.78	0.77
	Heat of Absorption kBTUH	11.65	11.21	10.58	11.22	10.79	10.18	10.79	10.37	9.77
	Liquid Drop °F	9.3	12.0	14.1	9.0	11.5	13.6	8.6	11.1	13.0