Series VI Performance Data — The Whalen Company

VI-403

Cooling Capacity

	Entering Air	80°F db / 67°F wb			78°F db / 65°F wb			75°F db / 63°F wb		
	GPM	3.3	2.5	2	3.3	2.5	2	3.3	2.5	2
ELT	Pd FT	6.5	3.7	2.4	6.5	3.7	2.4	6.5	3.7	2.4
75	Total kBTUH	13.04	12.72	11.96	12.48	12.17	11.45	11.93	11.63	10.94
	Sensible KBTUH	9.22	9.10	8.76	9.23	9.12	8.77	8.72	8.61	8.29
	Watts kW	0.79	0.81	0.87	0.79	0.81	0.87	0.79	0.81	0.87
	Heat of Rejection kBTUH	15.73	15.50	14.93	15.17	14.95	14.41	14.61	14.41	13.90
	Liquid Rise °F	9.5	12.4	14.9	9.2	12.0	14.4	8.9	11.5	13.9
80	Total kBTUH	12.59	12.28	11.55	12.05	11.75	11.05	11.51	11.23	10.56
	Sensible KBTUH	9.00	8.89	8.56	9.02	8.90	8.57	8.52	8.41	8.10
	Watts kW	0.83	0.86	0.92	0.83	0.86	0.92	0.83	0.86	0.92
	Heat of Rejection kBTUH	15.43	15.21	14.68	14.89	14.68	14.18	14.35	14.16	13.69
	Liquid Rise °F	9.3	12.2	14.7	9.0	11.7	14.2	8.7	11.3	13.7
85	Total kBTUH	12.10	11.80	11.10	11.58	11.29	10.62	11.07	10.79	10.15
	Sensible KBTUH	8.77	8.66	8.34	8.78	8.67	8.35	8.30	8.20	7.89
	Watts kW	0.88	0.91	0.97	0.88	0.91	0.97	0.88	0.91	0.97
	Heat of Rejection kBTUH	15.09	14.89	14.40	14.57	14.39	13.92	14.05	13.88	13.45
	Liquid Rise °F	9.1	11.9	14.4	8.8	11.5	13.9	8.5	11.1	13.4
90	Total kBTUH	11.57	11.28	10.61	11.07	10.80	10.16	10.58	10.32	9.71
	Sensible KBTUH	8.52	8.42	8.10	8.53	8.43	8.11	8.06	7.96	7.66
	Watts kW	0.93	0.96	1.02	0.92	0.96	1.02	0.92	0.95	1.02
	Heat of Rejection kBTUH	14.72	14.55	14.10	14.23	14.06	13.64	13.73	13.58	13.18
	Liquid Rise °F	8.9	11.6	14.1	8.6	11.2	13.6	8.3	10.9	13.2
95	Total kBTUH	11.00	10.73	10.09	10.53	10.27	9.66	10.06	9.81	9.23
	Sensible KBTUH	8.25	8.15	7.84	8.26	8.16	7.85	7.81	7.71	7.42
	Watts kW	0.97	1.01	1.08	0.97	1.01	1.07	0.97	1.01	1.07
	Heat of Rejection kBTUH	14.33	14.17	13.76	13.85	13.71	13.33	13.38	13.24	12.89
	Liquid Rise °F	8.7	11.3	13.8	8.4	11.0	13.3	8.1	10.6	12.9

Heating Capacity

	Entering Air	65°F db			70°F db			75°F db		
	GPM	3.3	2.5	2	3.3	2.5	2	3.3	2.5	2
ELT	Pd FT	6.5	3.7	2.4	6.5	3.7	2.4	6.5	3.7	2.4
60	Heat kBTUH	14.58	14.14	13.42	14.27	13.83	13.13	13.95	13.53	12.84
	Watts kW	0.87	0.86	0.85	0.92	0.91	0.89	0.96	0.95	0.93
	Heat of Absorption kBTUH	11.61	11.19	10.53	11.14	10.74	10.10	10.67	10.28	9.66
	Liquid Drop °F	7.0	9.0	10.5	6.8	8.6	10.1	6.5	8.2	9.7
65	Heat kBTUH	15.43	14.95	14.20	15.10	14.63	13.89	14.76	14.31	13.58
	Watts kW	0.89	0.88	0.86	0.93	0.92	0.90	0.98	0.97	0.95
	Heat of Absorption kBTUH	12.40	11.96	11.26	11.92	11.49	10.81	11.43	11.01	10.35
	Liquid Drop °F	7.5	9.6	11.3	7.2	9.2	10.8	6.9	8.8	10.3
70	Heat kBTUH	16.24	15.74	14.94	15.89	15.40	14.62	15.54	15.06	14.30
	Watts kW	0.90	0.89	0.87	0.95	0.94	0.92	0.99	0.98	0.96
	Heat of Absorption kBTUH	13.17	12.70	11.97	12.67	12.21	11.50	12.15	11.71	11.01
	Liquid Drop °F	8.0	10.2	12.0	7.7	9.8	11.5	7.4	9.4	11.0
75	Heat kBTUH	17.02	16.50	15.67	16.66	16.15	15.33	16.29	15.79	14.99
	Watts kW	0.91	0.90	0.88	0.96	0.95	0.93	1.01	1.00	0.98
	Heat of Absorption kBTUH	13.91	13.42	12.65	13.39	12.91	12.16	12.86	12.39	11.66
	Liquid Drop °F	8.4	10.7	12.6	8.1	10.3	12.2	7.8	9.9	11.7
80	Heat kBTUH	17.78	17.23	16.36	17.40	16.87	16.01	17.01	16.49	15.66
	Watts kW	0.92	0.91	0.90	0.97	0.96	0.94	1.02	1.01	0.99
	Heat of Absorption kBTUH	14.63	14.11	13.30	14.09	13.58	12.80	13.53	13.05	12.28
	Liquid Drop °F	8.9	11.3	13.3	8.5	10.9	12.8	8.2	10.4	12.3