Series VI Performance Data — The Whalen Company

VI-203

Cooling Capacity

	Entering Air	80°F db / 67°F wb			78°F db / 65°F wb			75°F db / 63°F wb		
	GPM	1.5	1.25	1	1.5	1.25	1	1.5	1.25	1
ELT	Pd FT	4.4	3.1	2.0	4.4	3.1	2.0	4.4	3.1	2.0
75	Total kBTUH	7.48	7.32	7.08	7.16	7.01	6.78	6.84	6.70	6.48
	Sensible KBTUH	5.13	5.06	4.98	5.14	5.07	4.99	4.86	4.79	4.71
	Watts kW	0.49	0.51	0.53	0.49	0.50	0.53	0.49	0.50	0.53
	Heat of Rejection kBTUH	9.16	9.05	8.88	8.84	8.73	8.57	8.52	8.42	8.27
	Liquid Rise °F	12.2	14.5	17.8	11.8	14.0	17.1	11.4	13.5	16.5
80	Total kBTUH	7.27	7.11	6.88	6.96	6.81	6.58	6.65	6.51	6.29
	Sensible KBTUH	5.07	5.00	4.92	5.08	5.00	4.93	4.80	4.73	4.66
	Watts kW	0.52	0.53	0.56	0.52	0.53	0.56	0.52	0.53	0.56
	Heat of Rejection kBTUH	9.04	8.93	8.78	8.73	8.63	8.48	8.42	8.32	8.19
	Liquid Rise °F	12.1	14.3	17.6	11.6	13.8	17.0	11.2	13.3	16.4
85	Total kBTUH	7.03	6.88	6.65	6.73	6.59	6.37	6.43	6.29	6.09
	Sensible KBTUH	5.00	4.92	4.85	5.00	4.93	4.86	4.73	4.66	4.59
	Watts kW	0.55	0.56	0.59	0.55	0.56	0.59	0.55	0.56	0.59
	Heat of Rejection kBTUH	8.90	8.81	8.66	8.60	8.51	8.38	8.30	8.22	8.09
	Liquid Rise °F	11.9	14.1	17.3	11.5	13.6	16.8	11.1	13.1	16.2
90	Total kBTUH	6.77	6.63	6.41	6.48	6.34	6.14	6.20	6.06	5.86
	Sensible KBTUH	4.91	4.84	4.77	4.92	4.85	4.77	4.65	4.58	4.51
	Watts kW	0.58	0.60	0.62	0.58	0.60	0.62	0.58	0.60	0.62
	Heat of Rejection kBTUH	8.75	8.66	8.53	8.46	8.38	8.26	8.17	8.09	7.98
	Liquid Rise °F	11.7	13.9	17.1	11.3	13.4	16.5	10.9	13.0	16.0
95	Total kBTUH	6.49	6.35	6.14	6.22	6.08	5.88	5.94	5.81	5.62
	Sensible KBTUH	4.82	4.75	4.68	4.83	4.76	4.68	4.56	4.49	4.43
	Watts kW	0.61	0.63	0.66	0.61	0.63	0.66	0.61	0.63	0.66
	Heat of Rejection kBTUH	8.59	8.51	8.39	8.31	8.23	8.12	8.03	7.96	7.86
	Liquid Rise °F	11.4	13.6	16.8	11.1	13.2	16.2	10.7	12.7	15.7

Heating Capacity

	Entering Air	65°F db			70°F db			75°F db		
	GPM	1.5	1.25	1	1.5	1.25	1	1.5	1.25	1
ELT	Pd FT	4.4	3.1	2.0	4.4	3.1	2.0	4.4	3.1	2.0
60	Heat kBTUH	7.85	7.61	7.24	7.69	7.45	7.09	7.52	7.28	6.93
	Watts kW	0.51	0.51	0.50	0.53	0.53	0.53	0.56	0.56	0.55
	Heat of Absorption kBTUH	6.12	5.88	5.53	5.87	5.63	5.29	5.60	5.37	5.04
	Liquid Drop °F	8.2	9.4	11.1	7.8	9.0	10.6	7.5	8.6	10.1
65	Heat kBTUH	8.34	8.08	7.68	8.16	7.90	7.52	7.98	7.73	7.35
	Watts kW	0.51	0.51	0.51	0.54	0.54	0.53	0.57	0.57	0.56
	Heat of Absorption kBTUH	6.58	6.32	5.96	6.32	6.06	5.70	6.04	5.79	5.45
	Liquid Drop °F	8.8	10.1	11.9	8.4	9.7	11.4	8.1	9.3	10.9
70	Heat kBTUH	8.80	8.53	8.11	8.61	8.34	7.94	8.42	8.16	7.76
	Watts kW	0.52	0.52	0.51	0.55	0.55	0.54	0.57	0.57	0.57
	Heat of Absorption kBTUH	7.03	6.75	6.37	6.75	6.48	6.10	6.47	6.20	5.84
	Liquid Drop °F	9.4	10.8	12.7	9.0	10.4	12.2	8.6	9.9	11.7
75	Heat kBTUH	9.25	8.96	8.53	9.05	8.77	8.34	8.85	8.57	8.16
	Watts kW	0.52	0.52	0.52	0.55	0.55	0.54	0.58	0.58	0.57
	Heat of Absorption kBTUH	7.46	7.17	6.76	7.17	6.89	6.49	6.88	6.60	6.21
	Liquid Drop °F	9.9	11.5	13.5	9.6	11.0	13.0	9.2	10.6	12.4
80	Heat kBTUH	9.68	9.38	8.92	9.47	9.18	8.73	9.26	8.97	8.54
	Watts kW	0.53	0.53	0.52	0.56	0.56	0.55	0.58	0.58	0.58
	Heat of Absorption kBTUH	7.87	7.57	7.14	7.57	7.28	6.86	7.27	6.98	6.57
	Liquid Drop °F	10.5	12.1	14.3	10.1	11.6	13.7	9.7	11.2	13.1

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Series VI Performance Data — The Whalen Company

VI-303

Cooling Capacity

	Entering Air	80°F db / 67°F wb			78°F db / 65°F wb			75°F db / 63°F wb		
	GPM	2.5	1.875	1.5	2.5	1.875	1.5	2.5	1.875	1.5
ELT	Pd FT	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

	Entering Air	65°F db			70°F db			75°F db		
	GPM	2.5	1.875	1.5	2.5	1.875	1.5	2.5	1.875	1.5
ELT	Pd FT	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

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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

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Series VI Performance Data — The Whalen Company

VI-603

Cooling Capacity

	Entering Air	80°F db / 67°F wb			78°F db / 65°F wb			75°F db / 63°F wb		
	GPM	4.5	3.75	3	4.5	3.75	3	4.5	3.75	3
ELT	Pd FT	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

	Entering Air	65°F db			70°F db			75°F db		
	GPM	4.5	3.75	3	4.5	3.75	3	4.5	3.75	3
ELT	Pd FT	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	19.04
	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	20.05
	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	21.04
	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	22.00
	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

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Series VI Performance Data — The Whalen Company

VI-803

Cooling Capacity

	Entering Air	80°F db / 67°F wb			78°F db / 65°F wb			75°F db / 63°F wb		
	GPM	6	5	4	6	5	4	6	5	4
ELT	Pd FT	16.0	11.1	7.1	16.0	11.1	7.1	16.0	11.1	7.1
75	Total kBTUH	26.17	25.51	24.07	25.06	24.42	23.05	23.94	23.33	22.02
	Sensible KBTUH	18.30	17.99	17.38	18.32	18.01	17.40	17.31	17.02	16.44
	Watts kW	1.61	1.68	1.81	1.61	1.68	1.80	1.61	1.68	1.80
	Heat of Rejection kBTUH	31.68	31.25	30.24	30.56	30.15	29.20	29.44	29.06	28.17
	Liquid Rise °F	10.6	12.5	15.1	10.2	12.1	14.6	9.8	11.6	14.1
80	Total kBTUH	25.26	24.62	23.24	24.19	23.57	22.25	23.11	22.52	21.26
	Sensible KBTUH	17.86	17.56	16.96	17.88	17.58	16.99	16.90	16.61	16.05
	Watts kW	1.71	1.78	1.91	1.70	1.78	1.91	1.70	1.77	1.91
	Heat of Rejection kBTUH	31.09	30.69	29.75	30.00	29.63	28.76	28.92	28.58	27.76
	Liquid Rise °F	10.4	12.3	14.9	10.0	11.9	14.4	9.6	11.4	13.9
85	Total kBTUH	24.23	23.62	22.29	23.20	22.61	21.34	22.16	21.60	20.39
	Sensible KBTUH	17.34	17.05	16.47	17.36	17.07	16.49	16.40	16.13	15.58
	Watts kW	1.81	1.88	2.02	1.80	1.88	2.02	1.80	1.88	2.02
	Heat of Rejection kBTUH	30.39	30.03	29.18	29.35	29.02	28.22	28.31	28.01	27.27
	Liquid Rise °F	10.1	12.0	14.6	9.8	11.6	14.1	9.4	11.2	13.6
90	Total kBTUH	23.07	22.49	21.22	22.09	21.53	20.32	21.10	20.57	19.41
	Sensible KBTUH	16.73	16.45	15.89	16.75	16.47	15.91	15.83	15.56	15.03
	Watts kW	1.91	1.99	2.14	1.91	1.99	2.14	1.91	1.99	2.13
	Heat of Rejection kBTUH	29.59	29.28	28.52	28.60	28.31	27.60	27.61	27.35	26.69
	Liquid Rise °F	9.9	11.7	14.3	9.5	11.3	13.8	9.2	10.9	13.3
95	Total kBTUH	21.79	21.24	20.04	20.86	20.33	19.19	19.93	19.43	18.33
	Sensible KBTUH	16.04	15.77	15.23	16.06	15.79	15.25	15.17	14.92	14.41
	Watts kW	2.02	2.11	2.26	2.02	2.10	2.26	2.02	2.10	2.26
	Heat of Rejection kBTUH	28.69	28.42	27.76	27.75	27.51	26.90	26.81	26.60	26.04
	Liquid Rise °F	9.6	11.4	13.9	9.3	11.0	13.4	8.9	10.6	13.0

Heating Capacity

	Entering Air	65°F db			70°F db			75°F db		
	GPM	6	5	4	6	5	4	6	5	4
ELT	Pd FT	16.0	11.1	7.1	16.0	11.1	7.1	16.0	11.1	7.1
60	Heat kBTUH	27.73	26.91	25.37	27.13	26.33	24.83	26.53	25.75	24.28
	Watts kW	2.19	2.17	2.12	2.30	2.28	2.23	2.42	2.39	2.34
	Heat of Absorption kBTUH	20.25	19.52	18.14	19.28	18.57	17.23	18.29	17.60	16.30
	Liquid Drop °F	6.8	7.8	9.1	6.4	7.4	8.6	6.1	7.0	8.1
65	Heat kBTUH	29.50	28.63	26.99	28.87	28.02	26.42	28.23	27.40	25.83
	Watts kW	2.24	2.21	2.17	2.35	2.33	2.28	2.47	2.44	2.39
	Heat of Absorption kBTUH	21.86	21.08	19.60	20.84	20.08	18.65	19.80	19.06	17.67
	Liquid Drop °F	7.3	8.4	9.8	6.9	8.0	9.3	6.6	7.6	8.8
70	Heat kBTUH	31.28	30.36	28.62	30.61	29.71	28.01	29.93	29.05	27.38
	Watts kW	2.29	2.27	2.22	2.41	2.38	2.33	2.53	2.50	2.45
	Heat of Absorption kBTUH	23.46	22.62	21.05	22.39	21.58	20.05	21.30	20.52	19.04
	Liquid Drop °F	7.8	9.0	10.5	7.5	8.6	10.0	7.1	8.2	9.5
75	Heat kBTUH	33.05	32.08	30.24	32.34	31.39	29.60	31.63	30.70	28.94
	Watts kW	2.35	2.32	2.27	2.47	2.44	2.39	2.59	2.56	2.51
	Heat of Absorption kBTUH	25.05	24.16	22.49	23.93	23.07	21.45	22.79	21.96	20.39
	Liquid Drop °F	8.3	9.7	11.2	8.0	9.2	10.7	7.6	8.8	10.2
80	Heat kBTUH	34.83	33.80	31.87	34.08	33.08	31.19	33.32	32.34	30.49
	Watts kW	2.40	2.38	2.33	2.53	2.50	2.45	2.65	2.62	2.57
	Heat of Absorption kBTUH	26.62	25.68	23.93	25.46	24.55	22.84	24.27	23.39	21.73
	Liquid Drop °F	8.9	10.3	12.0	8.5	9.8	11.4	8.1	9.4	10.9

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Series VI Performance Data — The Whalen Company

VI-1003

Cooling Capacity

	Entering Air	80°F db / 67°F wb			78°F db / 65°F wb			75°F db / 63°F wb		
	GPM	7.5	6.25	5	7.5	6.25	5	7.5	6.25	5
ELT	Pd FT	15.0	10.4	6.7	15.0	10.4	6.7	15.0	10.4	6.7
75	Total kBTUH	32.30	31.76	30.48	30.92	30.41	29.18	29.54	29.06	27.89
	Sensible KBTUH	22.61	22.39	21.95	22.64	22.42	21.98	21.39	21.18	20.76
	Watts kW	1.99	2.05	2.19	1.99	2.05	2.19	1.99	2.05	2.19
	Heat of Rejection kBTUH	39.10	38.77	37.97	37.72	37.41	36.66	36.33	36.05	35.36
	Liquid Rise °F	10.4	12.4	15.2	10.1	12.0	14.7	9.7	11.5	14.1
80	Total kBTUH	31.61	31.09	29.84	30.26	29.76	28.56	28.92	28.44	27.29
	Sensible KBTUH	22.43	22.21	21.78	22.46	22.24	21.81	21.22	21.02	20.60
	Watts kW	2.09	2.15	2.30	2.09	2.15	2.30	2.09	2.15	2.30
	Heat of Rejection kBTUH	38.75	38.44	37.69	37.39	37.10	36.40	36.04	35.77	35.13
	Liquid Rise °F	10.3	12.3	15.1	10.0	11.9	14.6	9.6	11.4	14.1
85	Total kBTUH	30.79	30.28	29.06	29.47	28.99	27.82	28.16	27.70	26.58
	Sensible KBTUH	22.21	21.99	21.56	22.24	22.02	21.59	21.01	20.81	20.40
	Watts kW	2.19	2.26	2.41	2.19	2.26	2.41	2.19	2.25	2.41
	Heat of Rejection kBTUH	38.27	37.99	37.29	36.95	36.69	36.05	35.63	35.39	34.80
	Liquid Rise °F	10.2	12.2	14.9	9.9	11.7	14.4	9.5	11.3	13.9
90	Total kBTUH	29.82	29.33	28.15	28.55	28.08	26.95	27.28	26.83	25.75
	Sensible KBTUH	21.93	21.72	21.29	21.96	21.75	21.32	20.75	20.55	20.14
	Watts kW	2.30	2.37	2.53	2.30	2.37	2.53	2.30	2.37	2.53
	Heat of Rejection kBTUH	37.68	37.43	36.80	36.40	36.17	35.59	35.12	34.91	34.38
	Liquid Rise °F	10.0	12.0	14.7	9.7	11.6	14.2	9.4	11.2	13.8
95	Total kBTUH	28.73	28.25	27.11	27.50	27.05	25.96	26.28	25.84	24.80
	Sensible KBTUH	21.61	21.40	20.97	21.64	21.43	21.00	20.44	20.24	19.84
	Watts kW	2.42	2.49	2.66	2.42	2.49	2.66	2.41	2.48	2.65
	Heat of Rejection kBTUH	36.98	36.75	36.19	35.74	35.54	35.02	34.51	34.32	33.86
	Liquid Rise °F	9.9	11.8	14.5	9.5	11.4	14.0	9.2	11.0	13.5

Heating Capacity

	Entering Air	65°F db			70°F db			75°F db		
	GPM	7.5	6.25	5	7.5	6.25	5	7.5	6.25	5
ELT	Pd FT	15.0	10.4	6.7	15.0	10.4	6.7	15.0	10.4	6.7
60	Heat kBTUH	36.13	35.49	34.20	35.36	34.73	33.47	34.58	33.96	32.72
	Watts kW	2.28	2.27	2.26	2.40	2.38	2.37	2.51	2.50	2.49
	Heat of Absorption kBTUH	28.36	27.75	26.50	27.19	26.60	25.37	26.00	25.42	24.23
	Liquid Drop °F	7.6	8.9	10.6	7.3	8.5	10.1	6.9	8.1	9.7
65	Heat kBTUH	37.67	37.00	35.65	36.87	36.21	34.89	36.05	35.40	34.12
	Watts kW	2.30	2.29	2.28	2.42	2.40	2.39	2.54	2.52	2.51
	Heat of Absorption kBTUH	29.83	29.19	27.88	28.62	28.00	26.73	27.39	26.79	25.55
	Liquid Drop °F	8.0	9.3	11.2	7.6	9.0	10.7	7.3	8.6	10.2
70	Heat kBTUH	39.00	38.30	36.91	38.17	37.48	36.12	37.32	36.65	35.32
	Watts kW	2.32	2.31	2.29	2.44	2.42	2.41	2.56	2.54	2.53
	Heat of Absorption kBTUH	31.09	30.43	29.08	29.85	29.21	27.89	28.59	27.97	26.68
	Liquid Drop °F	8.3	9.7	11.6	8.0	9.3	11.2	7.6	9.0	10.7
75	Heat kBTUH	40.12	39.40	37.97	39.26	38.56	37.16	38.39	37.70	36.33
	Watts kW	2.33	2.32	2.31	2.45	2.44	2.43	2.57	2.56	2.55
	Heat of Absorption kBTUH	32.16	31.48	30.08	30.89	30.23	28.87	29.60	28.96	27.63
	Liquid Drop °F	8.6	10.1	12.0	8.2	9.7	11.5	7.9	9.3	11.1
80	Heat kBTUH	41.03	40.30	38.83	40.15	39.44	38.00	39.26	38.56	37.16
	Watts kW	2.35	2.34	2.33	2.47	2.46	2.44	2.59	2.58	2.57
	Heat of Absorption kBTUH	33.02	32.32	30.90	31.73	31.06	29.66	30.42	29.76	28.40
	Liquid Drop °F	8.8	10.3	12.4	8.5	9.9	11.9	8.1	9.5	11.4

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Series VI Performance Data — The Whalen Company

VI-1203

Cooling Capacity

	Entering Air	80°F db / 67°F wb			78°F db / 65°F wb			75°F db / 63°F wb		
	GPM	8	7.5	6	8	7.5	6	8	7.5	6
ELT	Pd FT	17.0	14.9	9.6	17.0	14.9	9.6	17.0	14.9	9.6
75	Total kBTUH	36.46	36.14	34.61	34.91	34.60	33.14	33.35	33.06	31.66
	Sensible KBTUH	26.10	25.94	25.14	26.14	25.97	25.18	24.70	24.54	23.79
	Watts kW	2.29	2.32	2.48	2.29	2.32	2.48	2.28	2.32	2.48
	Heat of Rejection kBTUH	44.27	44.07	43.08	42.71	42.52	41.59	41.14	40.97	40.11
	Liquid Rise °F	11.1	11.8	14.4	10.7	11.3	13.9	10.3	10.9	13.4
80	Total kBTUH	35.38	35.07	33.59	33.87	33.58	32.15	32.37	32.09	30.72
	Sensible KBTUH	25.54	25.38	24.61	25.58	25.42	24.64	24.17	24.02	23.28
	Watts kW	2.41	2.45	2.61	2.41	2.44	2.61	2.40	2.44	2.61
	Heat of Rejection kBTUH	43.60	43.42	42.50	42.08	41.91	41.06	40.57	40.41	39.62
	Liquid Rise °F	10.9	11.6	14.2	10.5	11.2	13.7	10.1	10.8	13.2
85	Total kBTUH	34.18	33.88	32.45	32.72	32.44	31.06	31.27	31.00	29.68
	Sensible KBTUH	24.88	24.72	23.97	24.91	24.75	24.00	23.54	23.39	22.67
	Watts kW	2.54	2.58	2.75	2.53	2.57	2.75	2.53	2.57	2.75
	Heat of Rejection kBTUH	42.84	42.67	41.84	41.37	41.22	40.44	39.91	39.76	39.05
	Liquid Rise °F	10.7	11.4	13.9	10.3	11.0	13.5	10.0	10.6	13.0
90	Total kBTUH	32.85	32.57	31.19	31.45	31.18	29.86	30.05	29.79	28.53
	Sensible KBTUH	24.10	23.95	23.22	24.14	23.98	23.25	22.80	22.66	21.97
	Watts kW	2.67	2.71	2.90	2.67	2.71	2.90	2.67	2.71	2.89
	Heat of Rejection kBTUH	41.98	41.83	41.08	40.57	40.43	39.74	39.16	39.03	38.40
	Liquid Rise °F	10.5	11.2	13.7	10.1	10.8	13.2	9.8	10.4	12.8
95	Total kBTUH	31.40	31.13	29.81	30.06	29.80	28.54	28.73	28.48	27.27
	Sensible KBTUH	23.22	23.08	22.37	23.25	23.11	22.40	21.97	21.83	21.17
	Watts kW	2.82	2.86	3.06	2.82	2.86	3.05	2.81	2.85	3.05
	Heat of Rejection kBTUH	41.02	40.90	40.24	39.67	39.56	38.96	38.32	38.22	37.68
	Liquid Rise °F	10.3	10.9	13.4	9.9	10.5	13.0	9.6	10.2	12.6

Heating Capacity

	Entering Air	65°F db			70°F db			75°F db		
	GPM	8	7.5	6	8	7.5	6	8	7.5	6
ELT	Pd FT	17.0	14.9	9.6	17.0	14.9	9.6	17.0	14.9	9.6
60	Heat kBTUH	37.74	37.34	35.67	36.93	36.54	34.90	36.11	35.73	34.13
	Watts kW	2.57	2.56	2.53	2.70	2.69	2.66	2.83	2.82	2.79
	Heat of Absorption kBTUH	28.98	28.61	27.04	27.72	27.37	25.84	26.45	26.10	24.61
	Liquid Drop °F	7.2	7.6	9.0	6.9	7.3	8.6	6.6	7.0	8.2
65	Heat kBTUH	39.78	39.37	37.60	38.93	38.53	36.80	38.07	37.67	35.98
	Watts kW	2.60	2.59	2.56	2.74	2.73	2.69	2.87	2.86	2.83
	Heat of Absorption kBTUH	30.90	30.52	28.86	29.60	29.22	27.61	28.27	27.90	26.33
	Liquid Drop °F	7.7	8.1	9.6	7.4	7.8	9.2	7.1	7.4	8.8
70	Heat kBTUH	41.77	41.34	39.48	40.88	40.45	38.64	39.97	39.55	37.78
	Watts kW	2.64	2.63	2.60	2.77	2.77	2.73	2.91	2.90	2.87
	Heat of Absorption kBTUH	32.76	32.36	30.61	31.41	31.02	29.31	30.03	29.65	27.99
	Liquid Drop °F	8.2	8.6	10.2	7.9	8.3	9.8	7.5	7.9	9.3
75	Heat kBTUH	43.70	43.24	41.30	42.76	42.32	40.42	41.81	41.38	39.52
	Watts kW	2.68	2.67	2.64	2.81	2.80	2.77	2.95	2.94	2.91
	Heat of Absorption kBTUH	34.56	34.14	32.31	33.16	32.75	30.97	31.74	31.33	29.60
	Liquid Drop °F	8.6	9.1	10.8	8.3	8.7	10.3	7.9	8.4	9.9
80	Heat kBTUH	45.56	45.09	43.06	44.59	44.12	42.14	43.60	43.14	41.21
	Watts kW	2.71	2.71	2.67	2.85	2.84	2.81	2.99	2.98	2.95
	Heat of Absorption kBTUH	36.30	35.86	33.95	34.86	34.42	32.56	33.38	32.96	31.15
	Liquid Drop °F	9.1	9.6	11.3	8.7	9.2	10.9	8.3	8.8	10.4

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