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