

Series VI Performance Data

The Whalen Company

VI-1203

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		
		8	7.5	6	8	7.5	6	8	7.5	6
		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

ELT	Entering Air GPM Pd FT	65°F db			70°F db			75°F db		
		8	7.5	6	8	7.5	6	8	7.5	6
		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