

Model VI-A-1002-B

Cooling Capacity

Entering Water°F	Entering air Water Rise°F	75.0 db°F / 63.0 wb°F				78.0 db°F 65.0 wb°F				80.0 db°F 67.0 wb°F			
		10.0	12.0	14.0	16.0	10.0	12.0	14.0	16.0	10.0	12.0	14.0	16.0
75.0	Cool kBTU	29.3	29.1	28.9	28.7	30.5	30.3	30.1	29.9	31.6	31.4	31.2	30.9
	Sens. kBTU	21.6	21.6	21.5	21.4	23	22.9	22.9	22.8	23.4	23.3	23.2	23.2
	Watts W	2083	2108	2133	2158	2131	2156	2182	2207	2173	2199	2225	2251
	Heat of Rejection kBTU	36.4	36.3	36.2	36	37.8	37.7	37.5	37.4	39	38.9	38.7	38.6
	GPM	7.3	6.0	5.2	4.5	7.6	6.3	5.4	4.7	7.8	6.5	5.5	4.8
	dp FT	14.1	9.8	7.1	5.4	15.2	10.5	7.7	5.8	16.2	11.2	8.2	6.2
80.0	Cool kBTU	28.6	28.4	28.2	28	29.8	29.6	29.3	29.1	30.8	30.6	30.4	30.2
	Sens. kBTU	21.4	21.3	21.2	21.2	22.8	22.7	22.6	22.5	23.1	23	23	22.9
	Watts W	2168	2193	2218	2243	2218	2243	2269	2294	2262	2288	2313	2339
	Heat of Rejection kBTU	36	35.9	35.7	35.6	37.4	37.2	37.1	37	38.6	38.4	38.3	38.1
	GPM	7.2	6.0	5.1	4.5	7.5	6.2	5.3	4.6	7.7	6.4	5.5	4.8
	dp FT	13.8	9.5	7.0	5.3	14.9	10.3	7.5	5.7	15.9	10.9	8.0	6.1
85.0	Cool kBTU	27.9	27.7	27.5	27.2	29	28.8	28.6	28.4	30.1	29.8	29.6	29.4
	Sens. kBTU	21.1	21.1	21	20.9	22.5	22.4	22.3	22.3	22.9	22.8	22.7	22.6
	Watts W	2253	2278	2303	2328	2305	2330	2356	2381	2350	2376	2402	2428
	Heat of Rejection kBTU	35.6	35.4	35.3	35.2	36.9	36.8	36.6	36.5	38.1	38	37.8	37.7
	GPM	7.1	5.9	5.0	4.4	7.4	6.1	5.2	4.6	7.6	6.3	5.4	4.7
	dp FT	13.5	9.3	6.8	5.2	14.5	10.0	7.3	5.6	15.5	10.7	7.8	5.9
90.0	Cool kBTU	27.2	27	26.7	26.5	28.3	28.1	27.9	27.6	29.3	29.1	28.9	28.6
	Sens. kBTU	20.9	20.8	20.7	20.7	22.2	22.2	22.1	22	22.6	22.5	22.4	22.3
	Watts W	2338	2363	2388	2413	2392	2417	2443	2468	2439	2465	2491	2517
	Heat of Rejection kBTU	35.2	35	34.9	34.8	36.5	36.3	36.2	36.1	37.6	37.5	37.4	37.2
	GPM	7.0	5.8	5.0	4.3	7.3	6.1	5.2	4.5	7.5	6.2	5.3	4.7
	dp FT	13.2	9.1	6.6	5.0	14.2	9.8	7.1	5.4	15.1	10.4	7.6	5.8
95.0	Cool kBTU	26.5	26.3	26	25.8	27.6	27.3	27.1	26.9	28.5	28.3	28.1	27.9
	Sens. kBTU	20.6	20.6	20.5	20.4	22	21.9	21.8	21.7	22.3	22.2	22.2	22.1
	Watts W	2423	2448	2473	2498	2479	2504	2529	2555	2528	2554	2580	2605
	Heat of Rejection kBTU	34.7	34.6	34.5	34.4	36	35.9	35.8	35.6	37.2	37	36.9	36.8
	GPM	6.9	5.8	4.9	4.3	7.2	6.0	5.1	4.5	7.4	6.2	5.3	4.6
	dp FT	12.9	8.9	6.5	4.9	13.8	9.5	7.0	5.3	14.7	10.2	7.4	5.6

ARI -Cooling Rating			
ARI EWT	ARI -Entering Air	80.6 db °F	66.2 wb°F
86		Cool BTU	29500
		EER	12
		GPM	7.5

ARI -Heating Rating			
ARI EWT	ARI -Entering Air	68 db °F	
68		Heat BTU	36400
		COP	4.2
		GPM	7.5

Heating Capacity

GPMs Based on 80/67 85 EWT Cooling

Entering Water°F	Entering air GPM dp FT	60 db °F				68 db °F				75 db °F			
		7.6	6.3	5.4	4.7	7.6	6.3	5.4	4.7	7.6	6.3	5.4	4.7
60.0	Heat kBTU	32.9	32.2	31.7	31.3	31.6	30.9	30.5	30.1	30.6	29.9	29.5	29.1
	Watts W	2275	2296	2311	2322	2476	2474	2473	2473	2655	2634	2619	2607
	Heat of Absorption kBTU	25.1	24.3	23.8	23.4	23.2	22.5	22	21.7	21.5	21	20.5	20.2
65.0	Heat kBTU	35.2	34.5	34	33.7	33.9	33.2	32.8	32.4	32.9	32.2	31.8	31.4
	Watts W	2308	2331	2347	2360	2520	2519	2518	2517	2710	2687	2671	2658
	Heat of Absorption kBTU	27.3	26.6	26	25.6	25.3	24.7	24.2	23.8	23.6	23.1	22.6	22.3
68.0	Heat kBTU	37.7	37.1	36.6	36.2	36.4	35.8	35.3	34.9	35.4	34.7	34.3	33.9
	Watts W	2339	2364	2381	2394	2563	2561	2560	2559	2763	2738	2720	2707
	Heat of Absorption kBTU	29.7	29	28.4	28	27.7	27	26.6	26.2	26	25.4	25	24.7
75.0	Heat kBTU	40.5	39.8	39.3	39	39.2	38.5	38	37.7	38.1	37.4	37	36.6
	Watts W	2367	2394	2413	2427	2602	2601	2600	2599	2813	2786	2767	2753
	Heat of Absorption kBTU	32.4	31.7	31.1	30.7	30.3	29.6	29.2	28.8	28.5	27.9	27.5	27.2