

Marvair Model VACA24HP (Indoor Air = 800 CFM)

75 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)							
				Indoor Dry Bulb (°F)							
				72	74	76	78	80	82	84	86
61	24,912	14.41	1,729	17,299	18,699	20,099	21,499	22,899	24,299	24,912	24,912
63	25,896	14.52	1,783	15,881	17,281	18,682	20,082	21,482	22,882	24,282	25,682
65	26,856	14.61	1,838	14,428	15,829	17,229	18,629	20,029	21,429	22,829	24,229
67	27,840	14.71	1,892	12,960	14,360	15,760	17,160	18,560	19,960	21,360	22,760
69	28,824	14.81	1,947	11,466	12,866	14,266	15,666	17,067	18,467	19,867	21,267
71	29,784	14.88	2,001	9,940	11,340	12,740	14,140	15,540	16,940	18,341	19,741
73	30,768	14.97	2,056	n/a	9,799	11,199	12,599	14,000	15,400	16,800	18,200

80 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)							
				Indoor Dry Bulb (°F)							
				72	74	76	78	80	82	84	86
61	24,048	13.35	1,801	16,936	18,336	19,737	21,137	22,537	23,937	24,048	24,048
63	25,008	13.48	1,855	15,521	16,921	18,321	19,721	21,121	22,521	23,921	25,008
65	25,944	13.59	1,910	14,071	15,471	16,871	18,271	19,671	21,071	22,471	23,871
67	26,880	13.69	1,964	12,597	13,997	15,397	16,797	18,197	19,597	20,997	22,397
69	27,816	13.78	2,019	11,099	12,499	13,899	15,299	16,699	18,099	19,499	20,899
71	28,752	13.87	2,073	9,578	10,978	12,378	13,778	15,178	16,578	17,978	19,378
73	29,712	13.96	2,128	n/a	9,443	10,843	12,243	13,643	15,043	16,443	17,843

85 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)							
				Indoor Dry Bulb (°F)							
				72	74	76	78	80	82	84	86
61	23,208	12.39	1,873	16,586	17,986	19,386	20,787	22,187	23,208	23,208	23,208
63	24,096	12.50	1,927	15,154	16,554	17,954	19,354	20,754	22,154	23,554	24,096
65	25,008	12.62	1,982	13,707	15,107	16,507	17,907	19,307	20,707	22,107	23,507
67	25,920	12.73	2,036	12,236	13,636	15,036	16,436	17,836	19,236	20,637	22,037
69	26,832	12.83	2,091	10,743	12,143	13,543	14,943	16,343	17,743	19,143	20,543
71	27,744	12.93	2,145	9,227	10,627	12,027	13,427	14,827	16,227	17,627	19,027
73	28,632	13.02	2,200	n/a	9,081	10,481	11,881	13,281	14,681	16,081	17,481

90 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)							
				Indoor Dry Bulb (°F)							
				72	74	76	78	80	82	84	86
61	22,344	11.49	1,945	16,229	17,629	19,029	20,429	21,829	22,344	22,344	22,344
63	23,208	11.61	1,999	14,798	16,198	17,598	18,999	20,399	21,799	23,199	23,208
65	24,096	11.73	2,054	13,354	14,754	16,154	17,554	18,955	20,355	21,755	23,155
67	24,960	11.84	2,108	11,878	13,278	14,678	16,078	17,479	18,879	20,279	21,679
69	25,824	11.94	2,163	10,380	11,781	13,181	14,581	15,981	17,381	18,781	20,181
71	26,712	12.05	2,217	8,870	10,270	11,670	13,070	14,470	15,870	17,270	18,670
73	27,576	12.14	2,272	n/a	8,730	10,130	11,530	12,930	14,330	15,730	17,130

95 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)							
				Indoor Dry Bulb (°F)							
				72	74	76	78	80	82	84	86
61	21,480	10.65	2,017	15,874	17,274	18,674	20,074	21,474	21,480	21,480	21,480
63	22,320	10.78	2,071	14,445	15,846	17,246	18,646	20,046	21,446	22,320	22,320
65	23,160	10.90	2,126	12,995	14,395	15,795	17,195	18,595	19,995	21,395	22,796
67	24,000	11.01	2,180	11,523	12,923	14,323	15,723	17,123	18,523	19,923	21,323
69	24,840	11.12	2,235	10,029	11,430	12,830	14,230	15,630	17,030	18,430	19,830
71	25,680	11.22	2,289	8,515	9,916	11,316	12,716	14,116	15,516	16,916	18,316
73	26,520	11.32	2,344	n/a	8,381	9,781	11,182	12,582	13,982	15,382	16,782

Marvair Model VACA24HP (Indoor Air = 800 CFM)

100 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)							
				Indoor Dry Bulb (°F)							
				72	74	76	78	80	82	84	86
61	20,616	9.87	2,088	15,521	16,921	18,321	19,721	20,616	20,616	20,616	20,616
63	21,432	10.00	2,143	14,095	15,495	16,895	18,295	19,695	21,095	21,432	21,432
65	22,224	10.11	2,197	12,638	14,038	15,439	16,839	18,239	19,639	21,039	22,224
67	23,040	10.23	2,252	11,170	12,570	13,970	15,370	16,770	18,170	19,570	20,971
69	23,856	10.34	2,306	9,681	11,081	12,481	13,881	15,281	16,681	18,081	19,482
71	24,648	10.44	2,361	8,164	9,564	10,964	12,364	13,764	15,164	16,564	17,964
73	25,464	10.54	2,415	n/a	8,036	9,436	10,836	12,236	13,636	15,036	16,436

105 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)							
				Indoor Dry Bulb (°F)							
				72	74	76	78	80	82	84	86
61	19,752	9.14	2,160	15,170	16,570	17,971	19,371	19,752	19,752	19,752	19,752
63	20,544	9.28	2,215	13,747	15,147	16,547	17,947	19,347	20,544	20,544	20,544
65	21,312	9.39	2,269	12,293	13,693	15,093	16,494	17,894	19,294	20,694	21,312
67	22,080	9.50	2,324	10,820	12,220	13,620	15,020	16,420	17,820	19,220	20,620
69	22,848	9.61	2,378	9,327	10,727	12,127	13,527	14,927	16,327	17,727	19,127
71	23,616	9.71	2,433	7,815	9,215	10,615	12,015	13,415	14,815	16,215	17,615
73	24,408	9.81	2,487	n/a	7,692	9,092	10,492	11,892	13,292	14,692	16,093

110 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)							
				Indoor Dry Bulb (°F)							
				72	74	76	78	80	82	84	86
61	18,912	8.47	2,232	14,832	16,232	17,632	18,912	18,912	18,912	18,912	18,912
63	19,632	8.58	2,287	13,392	14,792	16,192	17,592	18,992	19,632	19,632	19,632
65	20,376	8.70	2,341	11,942	13,342	14,742	16,142	17,542	18,942	20,342	20,376
67	21,120	8.82	2,396	10,472	11,872	13,272	14,672	16,072	17,472	18,872	20,272
69	21,864	8.92	2,450	8,983	10,383	11,783	13,183	14,584	15,984	17,384	18,784
71	22,608	9.03	2,505	7,476	8,876	10,276	11,676	13,076	14,477	15,877	17,277
73	23,328	9.11	2,559	n/a	7,344	8,744	10,144	11,544	12,944	14,344	15,744

115 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)							
				Indoor Dry Bulb (°F)							
				72	74	76	78	80	82	84	86
61	18,480	8.02	2,304	14,659	16,059	17,459	18,480	18,480	18,480	18,480	18,480
63	19,200	8.14	2,359	13,225	14,625	16,025	17,425	18,825	19,200	19,200	19,200
65	19,920	8.25	2,413	11,771	13,171	14,571	15,971	17,371	18,772	19,920	19,920
67	20,640	8.36	2,468	10,299	11,699	13,099	14,499	15,899	17,299	18,699	20,099
69	21,360	8.47	2,522	8,808	10,208	11,608	13,009	14,409	15,809	17,209	18,609
71	22,080	8.57	2,577	7,300	8,700	10,100	11,500	12,900	14,300	15,700	17,100
73	22,800	8.67	2,631	n/a	7,174	8,574	9,974	11,374	12,774	14,174	15,575

Marvair Model VACA30HP (Indoor Air = 1000 CFM)

75 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)							
				Indoor Dry Bulb (°F)							
				72	74	76	78	80	82	84	86
61	30,725	14.46	2,125	20,736	22,356	23,977	25,597	27,218	28,838	30,725	30,725
63	31,938	14.57	2,192	19,093	20,713	22,334	23,954	25,575	27,195	28,816	30,436
65	33,122	14.66	2,259	17,406	19,026	20,647	22,267	23,888	25,508	27,129	28,749
67	34,336	14.76	2,326	15,700	17,320	18,941	20,561	22,182	23,802	25,422	27,043
69	35,550	14.85	2,393	13,963	15,583	17,204	18,824	20,445	22,065	23,686	25,306
71	36,734	14.93	2,460	12,186	13,806	15,427	17,047	18,667	20,288	21,908	23,529
73	37,947	15.02	2,527	n/a	12,011	13,631	15,252	16,872	18,493	20,113	21,734

80 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)							
				Indoor Dry Bulb (°F)							
				72	74	76	78	80	82	84	86
61	29,659	13.40	2,214	20,290	21,911	23,531	25,151	26,772	28,392	29,659	29,659
63	30,843	13.52	2,281	18,650	20,270	21,891	23,511	25,131	26,752	28,372	29,993
65	31,998	13.63	2,348	16,966	18,587	20,207	21,828	23,448	25,069	26,689	28,309
67	33,152	13.73	2,415	15,253	16,874	18,494	20,114	21,735	23,355	24,976	26,596
69	34,306	13.82	2,482	13,511	15,131	16,752	18,372	19,993	21,613	23,234	24,854
71	35,461	13.91	2,549	11,740	13,361	14,981	16,602	18,222	19,842	21,463	23,083
73	36,645	14.01	2,616	n/a	11,572	13,193	14,813	16,434	18,054	19,675	21,295

85 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)							
				Indoor Dry Bulb (°F)							
				72	74	76	78	80	82	84	86
61	28,623	12.43	2,302	19,860	21,480	23,100	24,721	26,341	27,962	28,623	28,623
63	29,718	12.54	2,369	18,198	19,818	21,439	23,059	24,679	26,300	27,920	29,541
65	30,843	12.66	2,436	16,518	18,139	19,759	21,380	23,000	24,620	26,241	27,861
67	31,968	12.77	2,503	14,810	16,430	18,051	19,671	21,291	22,912	24,532	26,153
69	33,093	12.88	2,570	13,073	14,693	16,314	17,934	19,555	21,175	22,795	24,416
71	34,218	12.98	2,637	11,308	12,929	14,549	16,170	17,790	19,410	21,031	22,651
73	35,313	13.06	2,704	n/a	11,127	12,748	14,368	15,989	17,609	19,230	20,850

90 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)							
				Indoor Dry Bulb (°F)							
				72	74	76	78	80	82	84	86
61	27,558	11.53	2,391	19,420	21,040	22,660	24,281	25,901	27,522	27,558	27,558
63	28,623	11.65	2,458	17,760	19,381	21,001	22,622	24,242	25,863	27,483	28,623
65	29,718	11.77	2,525	16,085	17,705	19,325	20,946	22,566	24,187	25,807	27,428
67	30,784	11.88	2,592	14,369	15,990	17,610	19,231	20,851	22,472	24,092	25,712
69	31,850	11.98	2,659	12,627	14,248	15,868	17,489	19,109	20,729	22,350	23,970
71	32,945	12.09	2,726	10,869	12,490	14,110	15,730	17,351	18,971	20,592	22,212
73	34,010	12.18	2,793	n/a	10,696	12,316	13,936	15,557	17,177	18,798	20,418

95 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)							
				Indoor Dry Bulb (°F)							
				72	74	76	78	80	82	84	86
61	26,492	10.69	2,479	18,982	20,603	22,223	23,844	25,464	26,492	26,492	26,492
63	27,528	10.81	2,546	17,326	18,947	20,567	22,188	23,808	25,429	27,049	27,528
65	28,564	10.93	2,613	15,643	17,263	18,884	20,504	22,124	23,745	25,365	26,986
67	29,600	11.04	2,680	13,932	15,553	17,173	18,793	20,414	22,034	23,655	25,275
69	30,636	11.15	2,747	12,195	13,816	15,436	17,057	18,677	20,298	21,918	23,539
71	31,672	11.26	2,814	10,433	12,054	13,674	15,295	16,915	18,536	20,156	21,776
73	32,708	11.35	2,881	n/a	10,267	11,887	13,508	15,128	16,749	18,369	19,990

Marvair Model VACA30HP (Indoor Air = 1000 CFM)

100 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)							
				Indoor Dry Bulb (°F)							
				72	74	76	78	80	82	84	86
61	25,426	9.90	2,567	18,548	20,169	21,789	23,410	25,030	25,426	25,426	25,426
63	26,433	10.03	2,634	16,895	18,515	20,136	21,756	23,377	24,997	26,433	26,433
65	27,410	10.15	2,701	15,204	16,824	18,445	20,065	21,686	23,306	24,926	26,547
67	28,416	10.26	2,768	13,498	15,118	16,739	18,359	19,980	21,600	23,221	24,841
69	29,422	10.38	2,835	11,767	13,387	15,008	16,628	18,249	19,869	21,489	23,110
71	30,399	10.47	2,902	10,001	11,621	13,242	14,862	16,482	18,103	19,723	21,344
73	31,406	10.58	2,969	n/a	9,841	11,462	13,082	14,703	16,323	17,943	19,564

105 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)							
				Indoor Dry Bulb (°F)							
				72	74	76	78	80	82	84	86
61	24,361	9.17	2,656	18,117	19,738	21,358	22,978	24,361	24,361	24,361	24,361
63	25,338	9.31	2,723	16,467	18,087	19,708	21,328	22,948	24,569	25,338	25,338
65	26,285	9.42	2,790	14,779	16,400	18,020	19,640	21,261	22,881	24,502	26,122
67	27,232	9.53	2,857	13,067	14,687	16,308	17,928	19,549	21,169	22,790	24,410
69	28,179	9.64	2,924	11,331	12,951	14,572	16,192	17,812	19,433	21,053	22,674
71	29,126	9.74	2,991	9,571	11,192	12,812	14,432	16,053	17,673	19,294	20,914
73	30,103	9.84	3,058	n/a	9,419	11,039	12,660	14,280	15,901	17,521	19,141

110 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)							
				Indoor Dry Bulb (°F)							
				72	74	76	78	80	82	84	86
61	23,325	8.50	2,744	17,701	19,321	20,941	22,562	23,325	23,325	23,325	23,325
63	24,213	8.61	2,811	16,030	17,650	19,271	20,891	22,512	24,132	24,213	24,213
65	25,130	8.73	2,878	14,346	15,967	17,587	19,208	20,828	22,449	24,069	25,130
67	26,048	8.84	2,945	12,639	14,259	15,880	17,500	19,121	20,741	22,362	23,982
69	26,966	8.95	3,012	10,908	12,528	14,149	15,769	17,390	19,010	20,631	22,251
71	27,883	9.05	3,079	9,155	10,775	12,395	14,016	15,636	17,257	18,877	20,498
73	28,771	9.14	3,146	n/a	8,990	10,610	12,231	13,851	15,472	17,092	18,713

115 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)							
				Indoor Dry Bulb (°F)							
				72	74	76	78	80	82	84	86
61	22,792	8.05	2,833	17,487	19,108	20,728	22,349	22,792	22,792	22,792	22,792
63	23,680	8.17	2,900	15,824	17,444	19,065	20,685	22,306	23,680	23,680	23,680
65	24,568	8.28	2,967	14,136	15,757	17,377	18,998	20,618	22,239	23,859	24,568
67	25,456	8.39	3,034	12,426	14,046	15,667	17,287	18,908	20,528	22,149	23,769
69	26,344	8.50	3,101	10,693	12,313	13,934	15,554	17,175	18,795	20,415	22,036
71	27,232	8.60	3,168	8,937	10,558	12,178	13,799	15,419	17,040	18,660	20,281
73	28,120	8.69	3,235	n/a	8,781	10,402	12,022	13,643	15,263	16,884	18,504

Marvair Model VACA36HP (Indoor Air = 1200 CFM)

75 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)							
				Indoor Dry Bulb (°F)							
				72	74	76	78	80	82	84	86
61	37,368	12.89	2,898	24,665	26,532	28,398	30,265	32,132	33,999	35,865	37,368
63	38,844	12.99	2,990	22,772	24,639	26,506	28,372	30,239	32,106	33,973	35,839
65	40,284	13.07	3,081	20,826	22,693	24,559	26,426	28,293	30,160	32,027	33,893
67	41,760	13.16	3,173	18,856	20,723	22,590	24,457	26,323	28,190	30,057	31,924
69	43,236	13.25	3,264	16,849	18,716	20,583	22,450	24,316	26,183	28,050	29,917
71	44,676	13.32	3,355	14,793	16,660	18,527	20,394	22,261	24,127	25,994	27,861
73	46,152	13.39	3,447	n/a	14,582	16,449	18,316	20,183	22,049	23,916	25,783

80 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)							
				Indoor Dry Bulb (°F)							
				72	74	76	78	80	82	84	86
61	36,072	11.95	3,019	24,121	25,988	27,855	29,721	31,588	33,455	35,322	36,072
63	37,512	12.06	3,110	22,232	24,098	25,965	27,832	29,699	31,565	33,432	35,299
65	38,916	12.15	3,202	20,290	22,156	24,023	25,890	27,757	29,624	31,490	33,357
67	40,320	12.24	3,293	18,312	20,178	22,045	23,912	25,779	27,645	29,512	31,379
69	41,724	12.33	3,385	16,298	18,165	20,032	21,898	23,765	25,632	27,499	29,365
71	43,128	12.41	3,476	14,250	16,117	17,984	19,850	21,717	23,584	25,451	27,317
73	44,568	12.49	3,567	n/a	14,048	15,914	17,781	19,648	21,515	23,381	25,248

85 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)							
				Indoor Dry Bulb (°F)							
				72	74	76	78	80	82	84	86
61	34,812	11.09	3,140	23,596	25,463	27,330	29,196	31,063	32,930	34,797	34,812
63	36,144	11.19	3,231	21,680	23,547	25,414	27,281	29,147	31,014	32,881	34,748
65	37,512	11.29	3,322	19,743	21,610	23,477	25,344	27,210	29,077	30,944	32,811
67	38,880	11.39	3,414	17,771	19,638	21,504	23,371	25,238	27,105	28,971	30,838
69	40,248	11.48	3,505	15,764	17,631	19,497	21,364	23,231	25,098	26,964	28,831
71	41,616	11.57	3,597	13,723	15,590	17,457	19,324	21,190	23,057	24,924	26,791
73	42,948	11.65	3,688	n/a	13,505	15,372	17,238	19,105	20,972	22,839	24,705

90 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)							
				Indoor Dry Bulb (°F)							
				72	74	76	78	80	82	84	86
61	33,516	10.28	3,260	23,060	24,926	26,793	28,660	30,527	32,394	33,516	33,516
63	34,812	10.39	3,352	21,147	23,014	24,881	26,748	28,614	30,481	32,348	34,215
65	36,144	10.50	3,443	19,215	21,081	22,948	24,815	26,682	28,548	30,415	32,282
67	37,440	10.59	3,534	17,234	19,101	20,967	22,834	24,701	26,568	28,435	30,301
69	38,736	10.68	3,626	15,221	17,087	18,954	20,821	22,688	24,554	26,421	28,288
71	40,068	10.78	3,717	13,188	15,055	16,921	18,788	20,655	22,522	24,388	26,255
73	41,364	10.86	3,809	n/a	12,978	14,845	16,712	18,578	20,445	22,312	24,179

95°F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)							
				Indoor Dry Bulb (°F)							
				72	74	76	78	80	82	84	86
61	32,220	9.53	3,381	22,527	24,394	26,260	28,127	29,994	31,861	32,220	32,220
63	33,480	9.64	3,472	20,618	22,485	24,352	26,218	28,085	29,952	31,819	33,400
65	34,740	9.75	3,564	18,676	20,543	22,409	24,276	26,143	28,010	29,876	31,743
67	36,000	9.85	3,655	16,701	18,568	20,434	22,301	24,168	26,035	27,901	29,768
69	37,260	9.95	3,746	14,694	16,561	18,428	20,294	22,161	24,028	25,895	27,762
71	38,520	10.04	3,838	12,657	14,523	16,390	18,257	20,124	21,990	23,857	25,724
73	39,780	10.12	3,929	n/a	12,455	14,322	16,189	18,056	19,922	21,789	23,656

Marvair Model VACA36HP (Indoor Air = 1200 CFM)

100 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)							
				Indoor Dry Bulb (°F)							
				72	74	76	78	80	82	84	86
61	30,924	8.83	3,501	21,998	23,865	25,731	27,598	29,465	30,924	30,924	30,924
63	32,148	8.95	3,593	20,092	21,959	23,826	25,693	27,559	29,426	31,293	32,148
65	33,336	9.05	3,684	18,141	20,008	21,874	23,741	25,608	27,475	29,341	31,208
67	34,560	9.15	3,776	16,172	18,038	19,905	21,772	23,639	25,506	27,372	29,239
69	35,784	9.25	3,867	14,172	16,038	17,905	19,772	21,639	23,505	25,372	27,239
71	36,972	9.34	3,958	12,129	13,996	15,863	17,729	19,596	21,463	23,330	25,196
73	38,196	9.43	4,050	n/a	11,937	13,803	15,670	17,537	19,404	21,270	23,137

105 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)							
				Indoor Dry Bulb (°F)							
				72	74	76	78	80	82	84	86
61	29,628	8.18	3,622	21,472	23,339	25,206	27,072	28,939	29,628	29,628	29,628
63	30,816	8.30	3,713	19,570	21,437	23,304	25,171	27,037	28,904	30,771	30,816
65	31,968	8.40	3,805	17,623	19,490	21,357	23,224	25,090	26,957	28,824	30,691
67	33,120	8.50	3,896	15,646	17,513	19,380	21,247	23,113	24,980	26,847	28,714
69	34,272	8.59	3,988	13,640	15,507	17,374	19,240	21,107	22,974	24,841	26,707
71	35,424	8.68	4,079	11,605	13,472	15,339	17,206	19,072	20,939	22,806	24,673
73	36,612	8.78	4,170	n/a	11,422	13,288	15,155	17,022	18,889	20,755	22,622

110 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)							
				Indoor Dry Bulb (°F)							
				72	74	76	78	80	82	84	86
61	28,368	7.58	3,743	20,965	22,831	24,698	26,565	28,368	28,368	28,368	28,368
63	29,448	7.68	3,834	19,038	20,905	22,771	24,638	26,505	28,372	29,448	29,448
65	30,564	7.79	3,925	17,096	18,962	20,829	22,696	24,563	26,430	28,296	30,163
67	31,680	7.89	4,017	15,124	16,991	18,858	20,725	22,592	24,458	26,325	28,192
69	32,796	7.98	4,108	13,125	14,992	16,858	18,725	20,592	22,459	24,325	26,192
71	33,912	8.08	4,200	11,098	12,964	14,831	16,698	18,565	20,431	22,298	24,165
73	34,992	8.15	4,291	n/a	10,899	12,765	14,632	16,499	18,366	20,233	22,099

115 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)							
				Indoor Dry Bulb (°F)							
				72	74	76	78	80	82	84	86
61	27,720	7.18	3,863	20,705	22,572	24,438	26,305	27,720	27,720	27,720	27,720
63	28,800	7.28	3,955	18,787	20,654	22,520	24,387	26,254	28,121	28,800	28,800
65	29,880	7.38	4,046	16,840	18,707	20,574	22,440	24,307	26,174	28,041	29,907
67	30,960	7.48	4,137	14,865	16,732	18,599	20,465	22,332	24,199	26,066	27,932
69	32,040	7.58	4,229	12,862	14,729	16,596	18,463	20,329	22,196	24,063	25,930
71	33,120	7.67	4,320	10,833	12,700	14,567	16,433	18,300	20,167	22,034	23,900
73	34,200	7.75	4,412	n/a	10,645	12,511	14,378	16,245	18,112	19,978	21,845

Marvair Model VACA40HP (Indoor Air = 1300 CFM)

75 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)							
				Indoor Dry Bulb (°F)							
				72	74	76	78	80	82	84	86
61	42,558	12.63	3,370	28,062	30,169	32,275	34,382	36,488	38,595	40,702	42,808
63	44,239	12.73	3,477	25,932	28,039	30,145	32,252	34,359	36,465	38,572	40,678
65	45,879	12.81	3,583	23,741	25,848	27,955	30,061	32,168	34,274	36,381	38,487
67	47,560	12.89	3,689	21,524	23,630	25,737	27,844	29,950	32,057	34,163	36,270
69	49,241	12.97	3,795	19,264	21,370	23,477	25,584	27,690	29,797	31,903	34,010
71	50,881	13.04	3,902	16,948	19,054	21,161	23,268	25,374	27,481	29,587	31,694
73	52,562	13.12	4,008	n/a	16,713	18,820	20,926	23,033	25,140	27,246	29,353

80 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)							
				Indoor Dry Bulb (°F)							
				72	74	76	78	80	82	84	86
61	41,082	11.70	3,511	27,437	29,543	31,650	33,756	35,863	37,970	40,076	42,183
63	42,722	11.81	3,617	25,310	27,417	29,523	31,630	33,737	35,843	37,950	40,056
65	44,321	11.90	3,723	23,124	25,231	27,337	29,444	31,551	33,657	35,764	37,870
67	45,920	11.99	3,829	20,897	23,003	25,110	27,217	29,323	31,430	33,536	35,643
69	47,519	12.07	3,936	18,629	20,736	22,842	24,949	27,055	29,162	31,269	33,375
71	49,118	12.15	4,042	16,322	18,429	20,535	22,642	24,748	26,855	28,962	31,068
73	50,758	12.24	4,148	n/a	16,098	18,204	20,311	22,417	24,524	26,630	28,737

85 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)							
				Indoor Dry Bulb (°F)							
				72	74	76	78	80	82	84	86
61	39,647	10.86	3,651	26,833	28,940	31,046	33,153	35,259	37,366	39,472	41,579
63	41,164	10.96	3,757	24,676	26,783	28,890	30,996	33,103	35,209	37,316	39,422
65	42,722	11.06	3,863	22,496	24,602	26,709	28,815	30,922	33,029	35,135	37,242
67	44,280	11.16	3,970	20,275	22,381	24,488	26,594	28,701	30,808	32,914	35,021
69	45,838	11.25	4,076	18,014	20,121	22,228	24,334	26,441	28,547	30,654	32,760
71	47,396	11.33	4,182	15,716	17,822	19,929	22,036	24,142	26,249	28,355	30,462
73	48,913	11.41	4,288	n/a	15,473	17,579	19,686	21,793	23,899	26,006	28,112

90 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)							
				Indoor Dry Bulb (°F)							
				72	74	76	78	80	82	84	86
61	38,171	10.07	3,791	26,216	28,323	30,430	32,536	34,643	36,749	38,856	40,962
63	39,647	10.17	3,897	24,064	26,170	28,277	30,383	32,490	34,597	36,703	38,810
65	41,164	10.28	4,004	21,888	23,994	26,101	28,207	30,314	32,421	34,527	36,634
67	42,640	10.38	4,110	19,657	21,764	23,870	25,977	28,084	30,190	32,297	34,403
69	44,116	10.46	4,216	17,390	19,496	21,603	23,709	25,816	27,922	30,029	32,136
71	45,633	10.56	4,322	15,100	17,206	19,313	21,420	23,526	25,633	27,739	29,846
73	47,109	10.64	4,429	n/a	14,867	16,973	19,080	21,187	23,293	25,400	27,506

95 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)							
				Indoor Dry Bulb (°F)							
				72	74	76	78	80	82	84	86
61	36,695	9.33	3,931	25,604	27,711	29,817	31,924	34,031	36,137	38,244	40,350
63	38,130	9.44	4,038	23,455	25,562	27,668	29,775	31,882	33,988	36,095	38,201
65	39,565	9.55	4,144	21,268	23,375	25,482	27,588	29,695	31,801	33,908	36,015
67	41,000	9.65	4,250	19,044	21,151	23,258	25,364	27,471	29,577	31,684	33,791
69	42,435	9.74	4,356	16,784	18,891	20,997	23,104	25,211	27,317	29,424	31,530
71	43,870	9.83	4,463	14,489	16,595	18,702	20,809	22,915	25,022	27,128	29,235
73	45,305	9.92	4,569	n/a	14,266	16,372	18,479	20,585	22,692	24,799	26,905

Marvair Model VACA40HP (Indoor Air = 1300 CFM)

100 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)							
				Indoor Dry Bulb (°F)							
				72	74	76	78	80	82	84	86
61	35,219	8.65	4,072	24,996	27,103	29,210	31,316	33,423	35,529	37,636	39,742
63	36,613	8.76	4,178	22,851	24,958	27,065	29,171	31,278	33,384	35,491	37,598
65	37,966	8.86	4,284	20,654	22,760	24,867	26,974	29,080	31,187	33,293	35,400
67	39,360	8.97	4,390	18,436	20,543	22,649	24,756	26,863	28,969	31,076	33,182
69	40,754	9.06	4,497	16,183	18,290	20,397	22,503	24,610	26,716	28,823	30,930
71	42,107	9.15	4,603	13,882	15,989	18,096	20,202	22,309	24,415	26,522	28,628
73	43,501	9.24	4,709	n/a	13,669	15,776	17,882	19,989	22,095	24,202	26,309

105 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)							
				Indoor Dry Bulb (°F)							
				72	74	76	78	80	82	84	86
61	33,743	8.01	4,212	24,393	26,500	28,606	30,713	32,819	34,926	37,032	39,139
63	35,096	8.13	4,318	22,252	24,358	26,465	28,572	30,678	32,785	34,891	36,998
65	36,408	8.23	4,424	20,059	22,166	24,272	26,379	28,486	30,592	32,699	34,805
67	37,720	8.33	4,531	17,833	19,939	22,046	24,152	26,259	28,366	30,472	32,579
69	39,032	8.42	4,637	15,573	17,679	19,786	21,893	23,999	26,106	28,212	30,319
71	40,344	8.51	4,743	13,281	15,387	17,494	19,601	21,707	23,814	25,920	28,027
73	41,697	8.60	4,849	n/a	13,077	15,184	17,290	19,397	21,504	23,610	25,717

110 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)							
				Indoor Dry Bulb (°F)							
				72	74	76	78	80	82	84	86
61	32,308	7.42	4,352	23,810	25,917	28,023	30,130	32,237	34,343	36,450	38,556
63	33,538	7.52	4,458	21,641	23,747	25,854	27,960	30,067	32,173	34,280	36,387
65	34,809	7.63	4,565	19,454	21,560	23,667	25,773	27,880	29,986	32,093	34,200
67	36,080	7.72	4,671	17,234	19,340	21,447	23,553	25,660	27,766	29,873	31,980
69	37,351	7.82	4,777	14,981	17,088	19,194	21,301	23,408	25,514	27,621	29,727
71	38,622	7.91	4,883	12,698	14,804	16,911	19,017	21,124	23,231	25,337	27,444
73	39,852	7.99	4,990	n/a	12,477	14,583	16,690	18,796	20,903	23,010	25,116

115 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)							
				Indoor Dry Bulb (°F)							
				72	74	76	78	80	82	84	86
61	31,570	7.03	4,492	23,512	25,619	27,725	29,832	31,939	34,045	36,152	31,570
63	32,800	7.13	4,599	21,353	23,459	25,566	27,672	29,779	31,886	33,992	36,099
65	34,030	7.23	4,705	19,160	21,267	23,373	25,480	27,586	29,693	31,800	33,906
67	35,260	7.33	4,811	16,936	19,042	21,149	23,255	25,362	27,469	29,575	31,682
69	36,490	7.42	4,917	14,680	16,787	18,893	21,000	23,106	25,213	27,319	29,426
71	37,720	7.51	5,024	12,394	14,500	16,607	18,714	20,820	22,927	25,033	27,140
73	38,950	7.59	5,130	n/a	12,185	14,291	16,398	18,505	20,611	22,718	24,824

Marvair Model VACA49HP (Indoor Air = 1740 CFM)

75 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)							
				Indoor Dry Bulb (°F)							
				72	74	76	78	80	82	84	86
61	48,267	14.14	3,414	33,507	36,251	38,996	41,740	44,484	47,229	48,267	48,267
63	50,174	14.25	3,521	30,712	33,456	36,201	38,945	41,689	44,434	47,178	49,923
65	52,034	14.34	3,629	27,848	30,593	33,337	36,082	38,826	41,570	44,315	47,059
67	53,940	14.44	3,737	24,954	27,698	30,443	33,187	35,932	38,676	41,420	44,165
69	55,847	14.53	3,844	22,012	24,756	27,500	30,245	32,989	35,734	38,478	41,222
71	57,707	14.60	3,952	19,006	21,751	24,495	27,239	29,984	32,728	35,473	38,217
73	59,613	14.68	4,060	n/a	18,716	21,461	24,205	26,950	29,694	32,438	35,183

80 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)							
				Indoor Dry Bulb (°F)							
				72	74	76	78	80	82	84	86
61	46,593	13.10	3,556	32,819	35,564	38,308	41,052	43,797	46,541	46,593	46,593
63	48,453	13.23	3,664	30,029	32,773	35,517	38,262	41,006	43,751	46,495	48,453
65	50,267	13.33	3,771	27,171	29,915	32,660	35,404	38,148	40,893	43,637	46,382
67	52,080	13.43	3,879	24,266	27,010	29,755	32,499	35,244	37,988	40,732	43,477
69	53,894	13.52	3,986	21,316	24,060	26,804	29,549	32,293	35,038	37,782	40,526
71	55,707	13.61	4,094	18,320	21,065	23,809	26,554	29,298	32,042	34,787	37,531
73	57,567	13.70	4,202	n/a	18,042	20,786	23,531	26,275	29,019	31,764	34,508

85 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)							
				Indoor Dry Bulb (°F)							
				72	74	76	78	80	82	84	86
61	44,966	12.16	3,698	32,155	34,899	37,644	40,388	43,132	44,966	44,966	44,966
63	46,686	12.27	3,806	29,331	32,076	34,820	37,564	40,309	43,053	45,798	46,686
65	48,453	12.38	3,913	26,480	29,224	31,969	34,713	37,457	40,202	42,946	45,691
67	50,220	12.49	4,021	23,583	26,327	29,071	31,816	34,560	37,304	40,049	42,793
69	51,987	12.59	4,128	20,641	23,385	26,129	28,874	31,618	34,362	37,107	39,851
71	53,754	12.69	4,236	17,655	20,399	23,144	25,888	28,633	31,377	34,121	36,866
73	55,475	12.77	4,344	n/a	17,356	20,101	22,845	25,590	28,334	31,078	33,823

90 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)							
				Indoor Dry Bulb (°F)							
				72	74	76	78	80	82	84	86
61	43,292	11.27	3,840	31,475	34,220	36,964	39,708	42,453	43,292	43,292	43,292
63	44,966	11.39	3,948	28,657	31,401	34,145	36,890	39,634	42,378	44,966	44,966
65	46,686	11.51	4,055	25,811	28,555	31,300	34,044	36,788	39,533	42,277	45,021
67	48,360	11.62	4,163	22,903	25,648	28,392	31,136	33,881	36,625	39,370	42,114
69	50,034	11.72	4,271	19,953	22,698	25,442	28,187	30,931	33,675	36,420	39,164
71	51,755	11.82	4,378	16,978	19,722	22,467	25,211	27,956	30,700	33,444	36,189
73	53,429	11.91	4,486	n/a	16,691	19,435	22,179	24,924	27,668	30,413	33,157

95 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)							
				Indoor Dry Bulb (°F)							
				72	74	76	78	80	82	84	86
61	41,618	10.45	3,982	30,800	33,544	36,289	39,033	41,618	41,618	41,618	41,618
63	43,245	10.57	4,090	27,986	30,730	33,475	36,219	38,963	41,708	43,245	43,245
65	44,873	10.69	4,197	25,128	27,873	30,617	33,361	36,106	38,850	41,595	44,339
67	46,500	10.80	4,305	22,228	24,973	27,717	30,462	33,206	35,950	38,695	41,439
69	48,128	10.91	4,413	19,287	22,031	24,776	27,520	30,265	33,009	35,753	38,498
71	49,755	11.01	4,520	16,306	19,050	21,794	24,539	27,283	30,027	32,772	35,516
73	51,383	11.10	4,628	n/a	16,029	18,774	21,518	24,262	27,007	29,751	32,496

Marvair Model VACA49HP (Indoor Air = 1740 CFM)

100 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)							
				Indoor Dry Bulb (°F)							
				72	74	76	78	80	82	84	86
61	39,944	9.69	4,124	30,129	32,873	35,617	38,362	39,944	39,944	39,944	39,944
63	41,525	9.81	4,232	27,319	30,064	32,808	35,552	38,297	41,041	41,525	41,525
65	43,059	9.92	4,339	24,450	27,194	29,939	32,683	35,428	38,172	40,916	43,059
67	44,640	10.04	4,447	21,558	24,302	27,046	29,791	32,535	35,280	38,024	40,768
69	46,221	10.15	4,555	18,625	21,369	24,114	26,858	29,602	32,347	35,091	37,836
71	47,756	10.24	4,662	15,637	18,382	21,126	23,871	26,615	29,359	32,104	34,848
73	49,337	10.34	4,770	n/a	15,372	18,117	20,861	23,605	26,350	29,094	31,839

105 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)							
				Indoor Dry Bulb (°F)							
				72	74	76	78	80	82	84	86
61	38,270	8.97	4,266	29,461	32,206	34,950	37,694	38,270	38,270	38,270	38,270
63	39,804	9.10	4,374	26,656	29,401	32,145	34,890	37,634	39,804	39,804	39,804
65	41,292	9.21	4,482	23,793	26,538	29,282	32,026	34,771	37,515	40,260	41,292
67	42,780	9.32	4,589	20,891	23,635	26,380	29,124	31,869	34,613	37,357	40,102
69	44,268	9.43	4,697	17,951	20,695	23,440	26,184	28,928	31,673	34,417	37,162
71	45,756	9.52	4,804	14,974	17,718	20,462	23,207	25,951	28,696	31,440	34,184
73	47,291	9.63	4,912	n/a	14,719	17,464	20,208	22,953	25,697	28,441	31,186

110 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)							
				Indoor Dry Bulb (°F)							
				72	74	76	78	80	82	84	86
61	36,642	8.31	4,408	28,816	31,561	34,305	36,642	36,642	36,642	36,642	36,642
63	38,037	8.42	4,516	25,980	28,724	31,469	34,213	36,958	38,037	38,037	38,037
65	39,479	8.54	4,624	23,123	25,868	28,612	31,357	34,101	36,845	39,479	39,479
67	40,920	8.65	4,731	20,229	22,973	25,718	28,462	31,206	33,951	36,695	39,440
69	42,362	8.75	4,839	17,297	20,041	22,786	25,530	28,275	31,019	33,763	36,508
71	43,803	8.86	4,946	14,329	17,074	19,818	22,563	25,307	28,051	30,796	33,540
73	45,198	8.94	5,054	n/a	14,056	16,801	19,545	22,289	25,034	27,778	30,523

115 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)							
				Indoor Dry Bulb (°F)							
				72	74	76	78	80	82	84	86
61	35,805	7.87	4,550	28,486	31,230	33,975	35,805	35,805	35,805	35,805	35,805
63	37,200	7.99	4,658	25,661	28,405	31,150	33,894	36,639	37,200	37,200	37,200
65	38,595	8.10	4,766	22,799	25,543	28,287	31,032	33,776	36,521	38,595	38,595
67	39,990	8.21	4,873	19,899	22,644	25,388	28,132	30,877	33,621	36,366	39,110
69	41,385	8.31	4,981	16,964	19,708	22,453	25,197	27,941	30,686	33,430	36,175
71	42,780	8.41	5,089	13,994	16,738	19,482	22,227	24,971	27,716	30,460	33,204
73	44,175	8.50	5,196	n/a	13,734	16,478	19,222	21,967	24,711	27,456	30,200

Marvair Model VACA60HP (Indoor Air = 1850 CFM)

75 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)							
				Indoor Dry Bulb (°F)							
				72	74	76	78	80	82	84	86
61	58,128	13.09	4,441	38,024	40,862	43,700	46,538	49,376	52,214	55,052	57,890
63	60,424	13.19	4,581	35,147	37,985	40,823	43,661	46,499	49,337	52,175	55,013
65	62,664	13.27	4,721	32,187	35,025	37,863	40,701	43,539	46,377	49,215	52,053
67	64,960	13.36	4,861	29,191	32,029	34,866	37,704	40,542	43,380	46,218	49,056
69	67,256	13.45	5,001	26,136	28,974	31,812	34,650	37,488	40,326	43,164	46,002
71	69,496	13.52	5,141	23,005	25,843	28,681	31,519	34,357	37,195	40,033	42,871
73	71,792	13.59	5,281	n/a	22,678	25,516	28,354	31,192	34,030	36,868	39,706

80 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)							
				Indoor Dry Bulb (°F)							
				72	74	76	78	80	82	84	86
61	56,112	12.13	4,626	37,177	40,015	42,853	45,690	48,528	51,366	54,204	56,112
63	58,352	12.24	4,766	34,305	37,143	39,981	42,818	45,656	48,494	51,332	54,170
65	60,536	12.34	4,906	31,351	34,189	37,027	39,865	42,703	45,541	48,379	51,217
67	62,720	12.43	5,046	28,342	31,180	34,018	36,856	39,694	42,531	45,369	48,207
69	64,904	12.52	5,186	25,277	28,115	30,953	33,791	36,629	39,467	42,305	45,143
71	67,088	12.60	5,326	22,159	24,997	27,835	30,672	33,510	36,348	39,186	42,024
73	69,328	12.68	5,466	n/a	21,845	24,683	27,521	30,359	33,197	36,035	38,873

85 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)							
				Indoor Dry Bulb (°F)							
				72	74	76	78	80	82	84	86
61	54,152	11.26	4,810	36,359	39,196	42,034	44,872	47,710	50,548	53,386	54,152
63	56,224	11.36	4,950	33,446	36,284	39,122	41,960	44,798	47,635	50,473	53,311
65	58,352	11.46	5,090	30,500	33,338	36,176	39,014	41,852	44,690	47,528	50,366
67	60,480	11.56	5,230	27,499	30,337	33,175	36,013	38,851	41,689	44,527	47,365
69	62,608	11.66	5,370	24,444	27,282	30,120	32,958	35,796	38,634	41,472	44,310
71	64,736	11.75	5,510	21,338	24,176	27,014	29,851	32,689	35,527	38,365	41,203
73	66,808	11.82	5,650	n/a	20,999	23,837	26,675	29,513	32,351	35,189	38,027

90 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)							
				Indoor Dry Bulb (°F)							
				72	74	76	78	80	82	84	86
61	52,136	10.44	4,995	35,523	38,361	41,199	44,037	46,875	49,712	52,136	52,136
63	54,152	10.55	5,135	32,615	35,453	38,291	41,129	43,967	46,805	49,643	52,481
65	56,224	10.66	5,275	29,676	32,514	35,352	38,190	41,028	43,866	46,704	49,542
67	58,240	10.75	5,415	26,662	29,500	32,338	35,176	38,014	40,852	43,690	46,528
69	60,256	10.85	5,555	23,598	26,436	29,274	32,112	34,950	37,788	40,626	43,464
71	62,328	10.94	5,695	20,503	23,341	26,179	29,017	31,855	34,693	37,531	40,369
73	64,344	11.03	5,835	n/a	20,179	23,016	25,854	28,692	31,530	34,368	37,206

95 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)							
				Indoor Dry Bulb (°F)							
				72	74	76	78	80	82	84	86
61	50,120	9.68	5,180	34,693	37,531	40,369	43,207	46,044	48,882	50,120	50,120
63	52,080	9.79	5,320	31,791	34,629	37,467	40,305	43,142	45,980	48,818	51,656
65	54,040	9.90	5,460	28,837	31,675	34,513	37,351	40,188	43,026	45,864	48,702
67	56,000	10.00	5,600	25,832	28,670	31,508	34,346	37,184	40,022	42,860	45,698
69	57,960	10.10	5,740	22,778	25,616	28,454	31,292	34,129	36,967	39,805	42,643
71	59,920	10.19	5,880	19,675	22,513	25,351	28,189	31,027	33,865	36,703	39,541
73	61,880	10.28	6,020	n/a	19,364	22,202	25,040	27,878	30,716	33,554	36,392

Marvair Model VACA60HP (Indoor Air = 1850 CFM)

100 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)							
				Indoor Dry Bulb (°F)							
				72	74	76	78	80	82	84	86
61	48,104	8.97	5,365	33,868	36,706	39,544	42,382	45,220	48,104	48,104	48,104
63	50,008	9.08	5,505	30,972	33,810	36,648	39,486	42,324	45,161	47,999	50,008
65	51,856	9.19	5,645	28,003	30,841	33,679	36,517	39,355	42,193	45,031	47,869
67	53,760	9.29	5,785	25,007	27,845	30,683	33,521	36,359	39,197	42,035	44,873
69	55,664	9.40	5,925	21,963	24,801	27,639	30,477	33,315	36,153	38,991	41,829
71	57,512	9.48	6,065	18,853	21,691	24,529	27,367	30,205	33,043	35,881	38,719
73	59,416	9.58	6,205	n/a	18,556	21,393	24,231	27,069	29,907	32,745	35,583

105 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)							
				Indoor Dry Bulb (°F)							
				72	74	76	78	80	82	84	86
61	46,088	8.30	5,550	33,050	35,888	38,725	41,563	44,401	46,088	46,088	46,088
63	47,936	8.43	5,690	30,158	32,996	35,834	38,672	41,510	44,348	47,186	47,936
65	49,728	8.53	5,830	27,197	30,035	32,873	35,711	38,549	41,387	44,225	47,062
67	51,520	8.63	5,970	24,189	27,027	29,865	32,703	35,541	38,378	41,216	44,054
69	53,312	8.73	6,110	21,135	23,973	26,811	29,649	32,487	35,325	38,163	41,001
71	55,104	8.82	6,250	18,038	20,876	23,713	26,551	29,389	32,227	35,065	37,903
73	56,952	8.91	6,390	n/a	17,753	20,591	23,429	26,267	29,105	31,943	34,781

110 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)							
				Indoor Dry Bulb (°F)							
				72	74	76	78	80	82	84	86
61	44,128	7.70	5,734	32,259	35,097	37,935	40,773	43,611	44,128	44,128	44,128
63	45,808	7.80	5,874	29,329	32,167	35,005	37,843	40,681	43,519	45,808	45,808
65	47,544	7.91	6,014	26,375	29,213	32,051	34,889	37,727	40,565	43,403	46,241
67	49,280	8.01	6,154	23,376	26,214	29,052	31,890	34,728	37,566	40,404	43,242
69	51,016	8.10	6,294	20,333	23,171	26,009	28,847	31,685	34,523	37,360	40,198
71	52,752	8.20	6,434	17,247	20,085	22,922	25,760	28,598	31,436	34,274	37,112
73	54,432	8.28	6,574	n/a	16,939	19,777	22,614	25,452	28,290	31,128	33,966

115 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)							
				Indoor Dry Bulb (°F)							
				72	74	76	78	80	82	84	86
61	43,120	7.28	5,919	31,854	34,692	37,530	40,368	43,120	43,120	43,120	43,120
63	44,800	7.39	6,059	28,938	31,776	34,614	37,452	40,290	43,128	44,800	44,800
65	46,480	7.50	6,199	25,977	28,815	31,653	34,491	37,329	40,167	43,004	45,842
67	48,160	7.60	6,339	22,972	25,810	28,648	31,486	34,324	37,161	39,999	42,837
69	49,840	7.69	6,479	19,924	22,762	25,600	28,438	31,276	34,114	36,952	39,790
71	51,520	7.78	6,619	16,835	19,672	22,510	25,348	28,186	31,024	33,862	36,700
73	53,200	7.87	6,759	n/a	16,543	19,381	22,219	25,056	27,894	30,732	33,570