

Marvair Model VAISA36AC (Indoor Air = 1200 CFM) Full Capacity

75 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)								Pressures (psig)	
				Indoor Dry Bulb (°F)								Suct.	Disch.
				72	74	76	78	80	82	84	86		
61	36,330	15.69	2,315	25,940	28,118	30,296	32,474	34,652	36,330	36,330	36,330	129	257
63	37,765	16.06	2,351	23,734	25,912	28,090	30,268	32,446	34,623	36,801	37,765	133	269
65	39,165	16.40	2,388	21,476	23,654	25,832	28,010	30,188	32,365	34,543	36,721	138	280
67	40,600	16.75	2,424	19,195	21,373	23,551	25,729	27,907	30,084	32,262	34,440	142	292
69	42,035	17.00	2,472	16,878	19,056	21,234	23,412	25,589	27,767	29,945	32,123	147	303
71	43,435	17.23	2,521	14,513	16,691	18,869	21,047	23,225	25,403	27,580	29,758	151	315
73	44,870	17.46	2,569	n/a	14,305	16,483	18,661	20,838	23,016	25,194	27,372	155	326

80 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)								Pressures (psig)	
				Indoor Dry Bulb (°F)								Suct.	Disch.
				72	74	76	78	80	82	84	86		
61	35,070	14.25	2,460	25,415	27,592	29,770	31,948	34,126	35,070	35,070	35,070	130	280
63	36,470	14.59	2,500	23,211	25,389	27,567	29,745	31,923	34,101	36,279	36,470	135	292
65	37,835	14.92	2,536	20,958	23,135	25,313	27,491	29,669	31,847	34,025	36,203	139	303
67	39,200	15.22	2,576	18,669	20,846	23,024	25,202	27,380	29,558	31,736	33,914	144	315
69	40,565	15.44	2,627	16,345	18,523	20,701	22,879	25,057	27,234	29,412	31,590	148	326
71	41,930	15.65	2,679	13,988	16,166	18,344	20,522	22,700	24,877	27,055	29,233	152	338
73	43,330	15.87	2,730	n/a	13,788	15,966	18,144	20,322	22,500	24,677	26,855	157	349

85 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)								Pressures (psig)	
				Indoor Dry Bulb (°F)								Suct.	Disch.
				72	74	76	78	80	82	84	86		
61	33,845	12.99	2,606	24,907	27,085	29,263	31,440	33,618	33,845	33,845	33,845	132	303
63	35,140	13.28	2,645	22,678	24,856	27,034	29,212	31,390	33,568	35,140	35,140	136	315
65	36,470	13.57	2,688	20,429	22,607	24,785	26,963	29,141	31,319	33,497	35,674	141	326
67	37,800	13.86	2,727	18,146	20,324	22,501	24,679	26,857	29,035	31,213	33,391	145	338
69	39,130	14.07	2,782	15,829	18,006	20,184	22,362	24,540	26,718	28,896	31,074	149	349
71	40,460	14.27	2,836	13,479	15,657	17,834	20,012	22,190	24,368	26,546	28,724	154	361
73	41,755	14.44	2,891	n/a	13,263	15,441	17,619	19,797	21,975	24,153	26,331	158	372

90 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)								Pressures (psig)	
				Indoor Dry Bulb (°F)								Suct.	Disch.
				72	74	76	78	80	82	84	86		
61	32,585	11.86	2,748	24,388	26,566	28,744	30,921	32,585	32,585	32,585	32,585	133	326
63	33,845	12.11	2,794	22,163	24,341	26,519	28,697	30,874	33,052	33,845	33,845	138	338
65	35,140	12.39	2,836	19,918	22,096	24,274	26,452	28,629	30,807	32,985	35,140	142	349
67	36,400	12.65	2,879	17,626	19,804	21,982	24,160	26,338	28,516	30,694	32,872	147	361
69	37,660	12.83	2,936	15,303	17,481	19,659	21,837	24,015	26,193	28,371	30,548	151	372
71	38,955	13.01	2,994	12,961	15,139	17,317	19,495	21,673	23,850	26,028	28,206	155	384
73	40,215	13.18	3,051	n/a	12,754	14,932	17,110	19,288	21,466	23,644	25,821	160	396

95 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)								Pressures (psig)	
				Indoor Dry Bulb (°F)								Suct.	Disch.
				72	74	76	78	80	82	84	86		
61	31,325	10.83	2,894	23,872	26,050	28,228	30,406	31,325	31,325	31,325	31,325	135	349
63	32,550	11.07	2,939	21,651	23,829	26,007	28,184	30,362	32,540	32,550	32,550	139	361
65	33,775	11.32	2,985	19,397	21,575	23,752	25,930	28,108	30,286	32,464	33,775	144	372
67	35,000	11.55	3,030	17,111	19,289	21,467	23,644	25,822	28,000	30,178	32,356	148	384
69	36,225	11.72	3,091	14,794	16,972	19,150	21,328	23,506	25,683	27,861	30,039	152	396
71	37,450	11.88	3,151	12,447	14,625	16,803	18,981	21,159	23,336	25,514	27,692	157	407
73	38,675	12.04	3,212	n/a	12,249	14,427	16,604	18,782	20,960	23,138	25,316	161	419

Marvair Model VAISA36AC (Indoor Air = 1200 CFM) Full Capacity

100 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)								Pressures (psig)	
				Indoor Dry Bulb (°F)								Suct.	Disch.
				72	74	76	78	80	82	84	86		
61	30,065	9.89	3,039	23,360	25,538	27,716	29,894	30,065	30,065	30,065	30,065	136	372
63	31,255	10.12	3,088	21,142	23,320	25,498	27,676	29,854	31,255	31,255	31,255	141	384
65	32,410	10.34	3,133	18,879	21,057	23,235	25,413	27,591	29,768	31,946	32,410	145	396
67	33,600	10.56	3,182	16,599	18,777	20,955	23,132	25,310	27,488	29,666	31,844	149	407
69	34,790	10.72	3,245	14,288	16,466	18,644	20,822	23,000	25,178	27,356	29,534	154	419
71	35,945	10.86	3,309	11,937	14,115	16,293	18,470	20,648	22,826	25,004	27,182	158	430
73	37,135	11.01	3,372	n/a	11,747	13,925	16,103	18,280	20,458	22,636	24,814	163	442

105 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)								Pressures (psig)	
				Indoor Dry Bulb (°F)								Suct.	Disch.
				72	74	76	78	80	82	84	86		
61	28,805	9.05	3,185	22,851	25,029	27,207	28,805	28,805	28,805	28,805	28,805	138	396
63	29,960	9.27	3,233	20,637	22,815	24,993	27,170	29,348	29,960	29,960	29,960	142	407
65	31,080	9.46	3,285	18,378	20,556	22,734	24,912	27,090	29,268	31,080	31,080	147	419
67	32,200	9.66	3,333	16,090	18,268	20,446	22,624	24,802	26,980	29,158	31,335	151	430
69	33,320	9.80	3,400	13,774	15,952	18,130	20,308	22,486	24,663	26,841	29,019	155	442
71	34,440	9.94	3,466	11,430	13,608	15,786	17,964	20,142	22,320	24,497	26,675	160	453
73	35,595	10.08	3,533	n/a	11,248	13,426	15,604	17,782	19,960	22,138	24,316	164	465

110 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)								Pressures (psig)	
				Indoor Dry Bulb (°F)								Suct.	Disch.
				72	74	76	78	80	82	84	86		
61	27,580	8.29	3,327	22,360	24,538	26,716	27,580	27,580	27,580	27,580	27,580	139	419
63	28,630	8.47	3,381	20,121	22,299	24,477	26,655	28,630	28,630	28,630	28,630	144	430
65	29,715	8.66	3,433	17,867	20,045	22,223	24,401	26,579	28,757	29,715	29,715	148	442
67	30,800	8.84	3,485	15,585	17,763	19,941	22,119	24,297	26,475	28,653	30,800	152	453
69	31,885	8.97	3,554	13,275	15,453	17,631	19,809	21,987	24,165	26,343	28,521	157	465
71	32,970	9.10	3,624	10,939	13,117	15,294	17,472	19,650	21,828	24,006	26,184	161	476
73	34,020	9.21	3,694	n/a	10,742	12,920	15,098	17,276	19,454	21,632	23,810	166	488

115 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)								Pressures (psig)	
				Indoor Dry Bulb (°F)								Suct.	Disch.
				72	74	76	78	80	82	84	86		
61	26,950	7.76	3,472	22,108	24,286	26,464	26,950	26,950	26,950	26,950	26,950	141	442
63	28,000	7.94	3,527	19,878	22,056	24,234	26,412	28,000	28,000	28,000	28,000	145	453
65	29,050	8.11	3,581	17,620	19,798	21,976	24,154	26,331	28,509	29,050	29,050	149	465
67	30,100	8.28	3,636	15,334	17,512	19,690	21,868	24,046	26,223	28,401	30,100	154	476
69	31,150	8.40	3,709	13,021	15,199	17,377	19,555	21,733	23,911	26,089	28,267	158	488
71	32,200	8.52	3,781	10,683	12,861	15,038	17,216	19,394	21,572	23,750	25,928	163	499
73	33,250	8.63	3,854	n/a	10,496	12,674	14,852	17,030	19,208	21,386	23,564	167	511

Marvair Model VAISA36AC (Indoor Air = 1200 CFM) Modulated Capacity

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	27,507	17.10	1,608	22,331	24,509	26,687	27,507	27,507	27,507	27,507	27,507
63	28,594	17.50	1,633	20,107	22,285	24,463	26,641	28,594	28,594	28,594	28,594
65	29,654	17.88	1,659	17,845	20,022	22,200	24,378	26,556	28,734	29,654	29,654
67	30,740	18.25	1,684	15,564	17,742	19,919	22,097	24,275	26,453	28,631	30,740
69	31,827	18.53	1,718	13,255	15,433	17,611	19,789	21,967	24,145	26,323	28,500
71	32,887	18.78	1,751	10,911	13,089	15,267	17,445	19,622	21,800	23,978	26,156
73	33,973	19.03	1,785	n/a	10,727	12,905	15,083	17,261	19,439	21,617	23,795

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	26,553	15.53	1,709	21,950	24,128	26,306	26,553	26,553	26,553	26,553	26,553
63	27,613	15.90	1,737	19,729	21,907	24,085	26,263	27,613	27,613	27,613	27,613
65	28,647	16.26	1,762	17,470	19,648	21,826	24,004	26,182	28,360	28,647	28,647
67	29,680	16.59	1,789	15,184	17,362	19,540	21,717	23,895	26,073	28,251	29,680
69	30,714	16.83	1,825	12,871	15,049	17,227	19,405	21,583	23,760	25,938	28,116
71	31,747	17.06	1,861	10,532	12,710	14,888	17,066	19,244	21,422	23,600	25,778
73	32,807	17.30	1,897	n/a	10,355	12,533	14,711	16,889	19,067	21,245	23,423

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	25,626	14.16	1,810	21,582	23,760	25,626	25,626	25,626	25,626	25,626	25,626
63	26,606	14.48	1,838	19,343	21,521	23,699	25,877	26,606	26,606	26,606	26,606
65	27,613	14.79	1,867	17,088	19,266	21,444	23,621	25,799	27,613	27,613	27,613
67	28,620	15.11	1,895	14,806	16,984	19,162	21,339	23,517	25,695	27,873	28,620
69	29,627	15.33	1,932	12,498	14,676	16,854	19,032	21,209	23,387	25,565	27,743
71	30,634	15.55	1,970	10,165	12,343	14,521	16,698	18,876	21,054	23,232	25,410
73	31,615	15.74	2,008	n/a	9,977	12,155	14,333	16,510	18,688	20,866	23,044

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	24,672	12.92	1,909	21,206	23,383	24,672	24,672	24,672	24,672	24,672	24,672
63	25,626	13.20	1,941	18,969	21,147	23,325	25,503	25,626	25,626	25,626	25,626
65	26,606	13.50	1,970	16,717	18,895	21,073	23,251	25,429	26,606	26,606	26,606
67	27,560	13.78	2,000	14,430	16,608	18,785	20,963	23,141	25,319	27,497	27,560
69	28,514	13.98	2,040	12,118	14,296	16,473	18,651	20,829	23,007	25,185	27,363
71	29,495	14.18	2,080	9,790	11,968	14,146	16,324	18,502	20,680	22,858	25,036
73	30,449	14.36	2,120	n/a	9,609	11,787	13,964	16,142	18,320	20,498	22,676

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	23,718	11.80	2,010	20,831	23,009	23,718	23,718	23,718	23,718	23,718	23,718
63	24,645	12.07	2,042	18,597	20,775	22,953	24,645	24,645	24,645	24,645	24,645
65	25,573	12.33	2,073	16,339	18,517	20,695	22,872	25,050	25,573	25,573	25,573
67	26,500	12.59	2,105	14,056	16,234	18,411	20,589	22,767	24,945	26,500	26,500
69	27,428	12.77	2,147	11,748	13,926	16,104	18,282	20,460	22,638	24,816	26,994
71	28,355	12.95	2,189	9,418	11,596	13,774	15,952	18,129	20,307	22,485	24,663
73	29,283	13.12	2,231	n/a	9,243	11,420	13,598	15,776	17,954	20,132	22,310

Marvair Model VAISA36AC (Indoor Air = 1200 CFM) Modulated Capacity

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	22,764	10.78	2,111	20,458	22,635	22,764	22,764	22,764	22,764	22,764	22,764
63	23,665	11.03	2,145	18,227	20,405	22,583	23,665	23,665	23,665	23,665	23,665
65	24,539	11.27	2,177	15,962	18,140	20,318	22,496	24,539	24,539	24,539	24,539
67	25,440	11.51	2,210	13,683	15,861	18,039	20,217	22,395	24,573	25,440	25,440
69	26,341	11.68	2,254	11,381	13,559	15,737	17,915	20,093	22,271	24,448	26,341
71	27,216	11.84	2,299	9,047	11,225	13,403	15,581	17,759	19,937	22,115	24,293
73	28,117	12.00	2,343	n/a	8,878	11,056	13,234	15,412	17,590	19,768	21,946

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	21,810	9.86	2,212	20,086	21,810	21,810	21,810	21,810	21,810	21,810	21,810
63	22,684	10.10	2,246	17,859	20,036	22,214	22,684	22,684	22,684	22,684	22,684
65	23,532	10.31	2,282	15,597	17,775	19,953	22,131	23,532	23,532	23,532	23,532
67	24,380	10.53	2,316	13,313	15,491	17,669	19,847	22,025	24,203	24,380	24,380
69	25,228	10.68	2,362	11,007	13,185	15,363	17,541	19,718	21,896	24,074	25,228
71	26,076	10.83	2,408	8,679	10,857	13,035	15,213	17,391	19,568	21,746	23,924
73	26,951	10.98	2,454	n/a	8,516	10,694	12,872	15,050	17,228	19,406	21,583

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	20,882	9.03	2,311	19,727	20,882	20,882	20,882	20,882	20,882	20,882	20,882
63	21,677	9.23	2,349	17,482	19,660	21,677	21,677	21,677	21,677	21,677	21,677
65	22,499	9.43	2,385	15,224	17,402	19,580	21,758	22,499	22,499	22,499	22,499
67	23,320	9.63	2,421	12,945	15,123	17,301	19,478	21,656	23,320	23,320	23,320
69	24,142	9.78	2,469	10,643	12,821	14,999	17,177	19,355	21,533	23,711	24,142
71	24,963	9.92	2,518	8,321	10,499	12,677	14,855	17,032	19,210	21,388	23,566
73	25,758	10.04	2,566	n/a	8,148	10,326	12,503	14,681	16,859	19,037	21,215

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	20,405	8.46	2,412	19,543	20,405	20,405	20,405	20,405	20,405	20,405	20,405
63	21,200	8.65	2,450	17,304	19,482	21,200	21,200	21,200	21,200	21,200	21,200
65	21,995	8.84	2,488	15,044	17,221	19,399	21,577	21,995	21,995	21,995	21,995
67	22,790	9.02	2,526	12,761	14,939	17,117	19,295	21,473	22,790	22,790	22,790
69	23,585	9.15	2,577	10,458	12,636	14,814	16,992	19,169	21,347	23,525	23,585
71	24,380	9.28	2,627	8,134	10,312	12,490	14,668	16,846	19,024	21,201	23,379
73	25,175	9.40	2,678	n/a	7,968	10,146	12,324	14,502	16,680	18,858	21,036

Marvair Model VAISA40AC (Indoor Air = 1300 CFM) Full Capacity

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	15.69	2,712	30,627	33,199	35,772	38,345	40,918	42,558	42,558	42,558
63	44,239	16.06	2,755	28,030	30,603	33,176	35,749	38,322	40,895	43,467	44,239
65	45,879	16.40	2,797	25,373	27,946	30,519	33,092	35,665	38,237	40,810	43,383
67	47,560	16.75	2,840	22,689	25,262	27,835	30,408	32,981	35,554	38,127	40,699
69	49,241	17.00	2,897	19,963	22,536	25,109	27,682	30,255	32,827	35,400	37,973
71	50,881	17.23	2,954	17,181	19,754	22,327	24,899	27,472	30,045	32,618	35,191
73	52,562	17.46	3,010	n/a	16,946	19,519	22,092	24,665	27,238	29,811	32,383

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	14.25	2,883	30,001	32,574	35,147	37,720	40,292	41,082	41,082	41,082
63	42,722	14.59	2,929	27,408	29,981	32,554	35,127	37,700	40,273	42,722	42,722
65	44,321	14.92	2,971	24,756	27,329	29,902	32,475	35,048	37,620	40,193	42,766
67	45,920	15.22	3,018	22,063	24,635	27,208	29,781	32,354	34,927	37,500	40,072
69	47,519	15.44	3,078	19,329	21,901	24,474	27,047	29,620	32,193	34,766	37,338
71	49,118	15.65	3,138	16,555	19,128	21,701	24,274	26,847	29,419	31,992	34,565
73	50,758	15.87	3,199	n/a	16,331	18,904	21,476	24,049	26,622	29,195	31,768

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	12.99	3,053	29,397	31,970	34,543	37,116	39,647	39,647	39,647	39,647
63	41,164	13.28	3,099	26,775	29,347	31,920	34,493	37,066	39,639	41,164	41,164
65	42,722	13.57	3,149	24,128	26,700	29,273	31,846	34,419	36,992	39,565	42,137
67	44,280	13.86	3,195	21,440	24,013	26,586	29,159	31,732	34,305	36,877	39,450
69	45,838	14.07	3,259	18,714	21,287	23,859	26,432	29,005	31,578	34,151	36,724
71	47,396	14.26	3,323	15,949	18,522	21,095	23,667	26,240	28,813	31,386	33,959
73	48,913	14.44	3,387	n/a	15,706	18,279	20,852	23,424	25,997	28,570	31,143

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	11.85	3,220	28,781	31,354	33,926	36,499	38,171	38,171	38,171	38,171
63	39,647	12.11	3,273	26,162	28,735	31,307	33,880	36,453	39,026	39,647	39,647
65	41,164	12.39	3,323	23,520	26,092	28,665	31,238	33,811	36,384	38,957	41,164
67	42,640	12.64	3,373	20,823	23,396	25,969	28,541	31,114	33,687	36,260	38,833
69	44,116	12.82	3,440	18,089	20,662	23,235	25,807	28,380	30,953	33,526	36,099
71	45,633	13.01	3,507	15,333	17,906	20,479	23,052	25,624	28,197	30,770	33,343
73	47,109	13.18	3,575	n/a	15,100	17,673	20,246	22,819	25,391	27,964	30,537

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	10.82	3,390	28,169	30,741	33,314	35,887	36,695	36,695	36,695	36,695
63	38,130	11.07	3,444	25,553	28,126	30,699	33,272	35,845	38,130	38,130	38,130
65	39,565	11.31	3,497	22,900	25,473	28,046	30,619	33,192	35,765	38,337	39,565
67	41,000	11.55	3,550	20,210	22,783	25,356	27,929	30,501	33,074	35,647	38,220
69	42,435	11.72	3,621	17,484	20,056	22,629	25,202	27,775	30,348	32,921	35,493
71	43,870	11.88	3,692	14,722	17,295	19,868	22,440	25,013	27,586	30,159	32,732
73	45,305	12.04	3,763	n/a	14,499	17,072	19,644	22,217	24,790	27,363	29,936

Marvair Model VAISA40AC (Indoor Air = 1300 CFM) Full Capacity

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	9.89	3,561	27,561	30,134	32,707	35,219	35,219	35,219	35,219	35,219
63	36,613	10.12	3,617	24,950	27,522	30,095	32,668	35,241	36,613	36,613	36,613
65	37,966	10.34	3,671	22,286	24,859	27,431	30,004	32,577	35,150	37,723	37,966
67	39,360	10.56	3,728	19,602	22,175	24,748	27,320	29,893	32,466	35,039	37,612
69	40,754	10.72	3,802	16,883	19,456	22,029	24,601	27,174	29,747	32,320	34,893
71	42,107	10.86	3,877	14,116	16,688	19,261	21,834	24,407	26,980	29,553	32,125
73	43,501	11.01	3,951	n/a	13,902	16,475	19,048	21,621	24,194	26,766	29,339

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	9.04	3,731	26,957	29,530	32,103	33,743	33,743	33,743	33,743	33,743
63	35,096	9.27	3,788	24,350	26,923	29,496	32,069	34,641	35,096	35,096	35,096
65	36,408	9.46	3,848	21,691	24,264	26,837	29,410	31,983	34,555	36,408	36,408
67	37,720	9.66	3,905	18,998	21,571	24,144	26,717	29,290	31,862	34,435	37,008
69	39,032	9.80	3,983	16,272	18,845	21,418	23,991	26,564	29,136	31,709	34,282
71	40,344	9.93	4,061	13,514	16,087	18,660	21,232	23,805	26,378	28,951	31,524
73	41,697	10.07	4,139	n/a	13,310	15,883	18,456	21,029	23,602	26,175	28,747

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	8.29	3,898	26,375	28,948	31,520	32,308	32,308	32,308	32,308	32,308
63	33,538	8.47	3,962	23,739	26,312	28,884	31,457	33,538	33,538	33,538	33,538
65	34,809	8.65	4,022	21,085	23,658	26,231	28,804	31,377	33,950	34,809	34,809
67	36,080	8.84	4,083	18,399	20,972	23,545	26,118	28,691	31,263	33,836	36,080
69	37,351	8.97	4,164	15,681	18,253	20,826	23,399	25,972	28,545	31,118	33,691
71	38,622	9.10	4,246	12,931	15,504	18,076	20,649	23,222	25,795	28,368	30,941
73	39,852	9.21	4,327	n/a	12,710	15,283	17,856	20,428	23,001	25,574	28,147

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	7.76	4,068	26,077	28,650	31,222	31,570	31,570	31,570	31,570	31,570
63	32,800	7.94	4,132	23,451	26,024	28,596	31,169	32,800	32,800	32,800	32,800
65	34,030	8.11	4,196	20,792	23,365	25,938	28,511	31,083	33,656	34,030	34,030
67	35,260	8.28	4,260	18,101	20,674	23,247	25,820	28,393	30,965	33,538	35,260
69	36,490	8.40	4,345	15,379	17,952	20,525	23,098	25,671	28,244	30,816	33,389
71	37,720	8.51	4,430	12,627	15,200	17,773	20,346	22,918	25,491	28,064	30,637
73	38,950	8.63	4,516	n/a	12,418	14,991	17,564	20,137	22,709	25,282	27,855

Marvair Model VAISA40AC (Indoor Air = 1300 CFM) Modulated Capacity

75 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)								Pressures (psig)	
				Indoor Dry Bulb (°F)								Suct.	Disch.
				72	74	76	78	80	82	84	86		
61	31,140	16.44	1,895	24,729	27,089	29,448	31,140	31,140	31,140	31,140	31,140	132	250
63	32,370	16.82	1,924	22,323	24,682	27,042	29,401	31,760	32,370	32,370	32,370	137	261
65	33,570	17.18	1,954	19,872	22,231	24,591	26,950	29,310	31,669	33,570	33,570	141	272
67	34,800	17.54	1,984	17,401	19,760	22,120	24,479	26,838	29,198	31,557	33,917	146	283
69	36,030	17.80	2,024	14,899	17,258	19,617	21,977	24,336	26,696	29,055	31,414	150	295
71	37,230	18.04	2,063	12,356	14,715	17,075	19,434	21,793	24,153	26,512	28,871	155	306
73	38,460	18.29	2,103	n/a	12,153	14,513	16,872	19,231	21,591	23,950	26,309	160	317

80 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)								Pressures (psig)	
				Indoor Dry Bulb (°F)								Suct.	Disch.
				72	74	76	78	80	82	84	86		
61	30,060	14.93	2,014	24,296	26,655	29,015	30,060	30,060	30,060	30,060	30,060	134	272
63	31,260	15.28	2,046	21,892	24,252	26,611	28,971	31,260	31,260	31,260	31,260	138	283
65	32,430	15.62	2,076	19,445	21,805	24,164	26,524	28,883	31,242	32,430	32,430	143	295
67	33,600	15.94	2,108	16,968	19,327	21,687	24,046	26,405	28,765	31,124	33,484	147	306
69	34,770	16.17	2,150	14,461	16,820	19,179	21,539	23,898	26,258	28,617	30,976	152	317
71	35,940	16.39	2,192	11,924	14,284	16,643	19,003	21,362	23,721	26,081	28,440	157	328
73	37,140	16.62	2,234	n/a	11,729	14,088	16,448	18,807	21,166	23,526	25,885	161	339

85 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)								Pressures (psig)	
				Indoor Dry Bulb (°F)								Suct.	Disch.
				72	74	76	78	80	82	84	86		
61	29,010	13.60	2,133	23,877	26,236	28,596	29,010	29,010	29,010	29,010	29,010	135	295
63	30,120	13.91	2,165	21,453	23,812	26,171	28,531	30,120	30,120	30,120	30,120	140	306
65	31,260	14.21	2,200	19,010	21,369	23,729	26,088	28,447	30,807	31,260	31,260	144	317
67	32,400	14.52	2,232	16,537	18,897	21,256	23,615	25,975	28,334	30,694	32,400	149	328
69	33,540	14.73	2,277	14,036	16,395	18,754	21,114	23,473	25,832	28,192	30,551	154	339
71	34,680	14.94	2,321	11,505	13,865	16,224	18,584	20,943	23,302	25,662	28,021	158	351
73	35,790	15.13	2,366	n/a	11,298	13,657	16,016	18,376	20,735	23,094	25,454	163	362

90 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)								Pressures (psig)	
				Indoor Dry Bulb (°F)								Suct.	Disch.
				72	74	76	78	80	82	84	86		
61	27,930	12.42	2,249	23,448	25,807	27,930	27,930	27,930	27,930	27,930	27,930	137	317
63	29,010	12.69	2,287	21,027	23,386	25,746	28,105	29,010	29,010	29,010	29,010	141	328
65	30,120	12.98	2,321	18,588	20,947	23,307	25,666	28,025	30,120	30,120	30,120	146	339
67	31,200	13.24	2,356	16,109	18,468	20,828	23,187	25,546	27,906	30,265	31,200	150	351
69	32,280	13.43	2,403	13,602	15,962	18,321	20,681	23,040	25,399	27,759	30,118	155	362
71	33,390	13.63	2,450	11,079	13,438	15,798	18,157	20,516	22,876	25,235	27,594	160	373
73	34,470	13.80	2,497	n/a	10,878	13,238	15,597	17,956	20,316	22,675	25,034	164	384

95 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)								Pressures (psig)	
				Indoor Dry Bulb (°F)								Suct.	Disch.
				72	74	76	78	80	82	84	86		
61	26,850	11.34	2,368	23,021	25,380	26,850	26,850	26,850	26,850	26,850	26,850	138	339
63	27,900	11.60	2,406	20,603	22,962	25,322	27,681	27,900	27,900	27,900	27,900	143	351
65	28,950	11.85	2,443	18,157	20,516	22,876	25,235	27,594	28,950	28,950	28,950	147	362
67	30,000	12.10	2,480	15,683	18,042	20,402	22,761	25,120	27,480	29,839	30,000	152	373
69	31,050	12.27	2,530	13,182	15,541	17,901	20,260	22,619	24,979	27,338	29,698	157	384
71	32,100	12.45	2,579	10,655	13,014	15,373	17,733	20,092	22,452	24,811	27,170	161	395
73	33,150	12.61	2,629	n/a	10,461	12,820	15,180	17,539	19,899	22,258	24,617	166	407

Marvair Model VAISA40AC (Indoor Air = 1300 CFM) Modulated Capacity

100 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)								Pressures (psig)	
				Indoor Dry Bulb (°F)								Suct.	Disch.
				72	74	76	78	80	82	84	86		
61	25,770	10.36	2,487	22,596	24,956	25,770	25,770	25,770	25,770	25,770	25,770	140	362
63	26,790	10.60	2,527	20,182	22,541	24,900	26,790	26,790	26,790	26,790	26,790	144	373
65	27,780	10.83	2,564	17,728	20,088	22,447	24,806	27,166	27,780	27,780	27,780	149	384
67	28,800	11.06	2,604	15,259	17,619	19,978	22,337	24,697	27,056	28,800	28,800	154	395
69	29,820	11.23	2,656	12,764	15,123	17,482	19,842	22,201	24,561	26,920	29,279	158	407
71	30,810	11.38	2,708	10,233	12,592	14,952	17,311	19,670	22,030	24,389	26,748	163	418
73	31,830	11.53	2,760	n/a	10,046	12,406	14,765	17,125	19,484	21,843	24,203	167	429

105 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)								Pressures (psig)	
				Indoor Dry Bulb (°F)								Suct.	Disch.
				72	74	76	78	80	82	84	86		
61	24,690	9.47	2,606	22,174	24,533	24,690	24,690	24,690	24,690	24,690	24,690	141	384
63	25,680	9.70	2,646	19,762	22,122	24,481	25,680	25,680	25,680	25,680	25,680	146	395
65	26,640	9.91	2,688	17,313	19,672	22,032	24,391	26,640	26,640	26,640	26,640	150	407
67	27,600	10.12	2,728	14,838	17,197	19,556	21,916	24,275	26,635	27,600	27,600	155	418
69	28,560	10.26	2,783	12,338	14,697	17,056	19,416	21,775	24,135	26,494	28,560	160	429
71	29,520	10.40	2,837	9,813	12,173	14,532	16,891	19,251	21,610	23,970	26,329	164	440
73	30,510	10.55	2,892	n/a	9,634	11,993	14,353	16,712	19,071	21,431	23,790	169	451

110 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)								Pressures (psig)	
				Indoor Dry Bulb (°F)								Suct.	Disch.
				72	74	76	78	80	82	84	86		
61	23,640	8.68	2,723	21,765	23,640	23,640	23,640	23,640	23,640	23,640	23,640	143	407
63	24,540	8.87	2,768	19,334	21,693	24,053	24,540	24,540	24,540	24,540	24,540	147	418
65	25,470	9.06	2,810	16,889	19,248	21,607	23,967	25,470	25,470	25,470	25,470	152	429
67	26,400	9.26	2,852	14,419	16,778	19,137	21,497	23,856	26,215	26,400	26,400	157	440
69	27,330	9.39	2,909	11,924	14,283	16,643	19,002	21,362	23,721	26,080	27,330	161	451
71	28,260	9.53	2,966	9,406	11,765	14,125	16,484	18,843	21,203	23,562	25,921	166	463
73	29,160	9.65	3,023	n/a	9,215	11,574	13,933	16,293	18,652	21,011	23,371	170	474

115 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)								Pressures (psig)	
				Indoor Dry Bulb (°F)								Suct.	Disch.
				72	74	76	78	80	82	84	86		
61	23,100	8.13	2,842	21,556	23,100	23,100	23,100	23,100	23,100	23,100	23,100	144	429
63	24,000	8.31	2,887	19,132	21,491	23,850	24,000	24,000	24,000	24,000	24,000	149	440
65	24,900	8.49	2,931	16,683	19,042	21,402	23,761	24,900	24,900	24,900	24,900	154	451
67	25,800	8.67	2,976	14,210	16,569	18,929	21,288	23,647	25,800	25,800	25,800	158	463
69	26,700	8.80	3,036	11,713	14,072	16,432	18,791	21,151	23,510	25,869	26,700	163	474
71	27,600	8.92	3,095	9,193	11,553	13,912	16,271	18,631	20,990	23,349	25,709	167	485
73	28,500	9.03	3,155	n/a	9,010	11,370	13,729	16,088	18,448	20,807	23,167	172	496

Marvair Model VAISA48AC (Indoor Air = 1550 CFM) Full Capacity

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	50,862	15.70	3,239	35,536	38,416	41,296	44,176	47,056	49,936	50,862	50,862
63	52,871	16.07	3,290	32,628	35,508	38,388	41,268	44,148	47,029	49,909	52,789
65	54,831	16.41	3,341	29,648	32,528	35,408	38,288	41,168	44,048	46,928	49,808
67	56,840	16.76	3,392	26,635	29,515	32,396	35,276	38,156	41,036	43,916	46,796
69	58,849	17.01	3,460	23,572	26,452	29,332	32,213	35,093	37,973	40,853	43,733
71	60,809	17.24	3,528	20,442	23,322	26,202	29,082	31,963	34,843	37,723	40,603
73	62,818	17.47	3,596	n/a	20,162	23,042	25,922	28,803	31,683	34,563	37,443

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	49,098	14.26	3,443	34,788	37,668	40,548	43,428	46,308	49,098	49,098	49,098
63	51,058	14.60	3,498	31,885	34,765	37,645	40,525	43,405	46,285	49,165	51,058
65	52,969	14.93	3,549	28,910	31,790	34,670	37,550	40,430	43,310	46,190	49,070
67	54,880	15.23	3,604	25,886	28,766	31,646	34,526	37,406	40,286	43,166	46,046
69	56,791	15.45	3,676	22,813	25,693	28,574	31,454	34,334	37,214	40,094	42,974
71	58,702	15.66	3,748	19,694	22,574	25,454	28,334	31,214	34,094	36,975	39,855
73	60,662	15.88	3,820	n/a	19,426	22,306	25,186	28,066	30,946	33,826	36,706

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	47,383	12.99	3,646	34,066	36,946	39,826	42,706	45,586	47,383	47,383	47,383
63	49,196	13.29	3,702	31,126	34,007	36,887	39,767	42,647	45,527	48,407	49,196
65	51,058	13.58	3,761	28,158	31,038	33,918	36,798	39,679	42,559	45,439	48,319
67	52,920	13.87	3,816	25,142	28,022	30,902	33,782	36,662	39,542	42,422	45,302
69	54,782	14.07	3,892	22,078	24,958	27,838	30,719	33,599	36,479	39,359	42,239
71	56,644	14.27	3,969	18,969	21,849	24,729	27,609	30,489	33,369	36,250	39,130
73	58,457	14.45	4,045	n/a	18,679	21,559	24,439	27,319	30,199	33,079	35,959

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	45,619	11.86	3,846	33,329	36,209	39,089	41,969	44,849	45,619	45,619	45,619
63	47,383	12.12	3,909	30,394	33,274	36,154	39,034	41,914	44,794	47,383	47,383
65	49,196	12.40	3,969	27,431	30,311	33,191	36,072	38,952	41,832	44,712	47,592
67	50,960	12.65	4,028	24,403	27,284	30,164	33,044	35,924	38,804	41,684	44,564
69	52,724	12.83	4,109	21,331	24,211	27,091	29,971	32,851	35,732	38,612	41,492
71	54,537	13.02	4,189	18,233	21,113	23,993	26,873	29,753	32,633	35,513	38,393
73	56,301	13.19	4,270	n/a	17,954	20,835	23,715	26,595	29,475	32,355	35,235

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	43,855	10.83	4,049	32,597	35,477	38,357	41,237	43,855	43,855	43,855	43,855
63	45,570	11.08	4,113	29,667	32,547	35,427	38,307	41,187	44,067	45,570	45,570
65	47,285	11.32	4,176	26,691	29,571	32,451	35,331	38,211	41,091	43,971	46,851
67	49,000	11.56	4,240	23,671	26,551	29,431	32,311	35,191	38,071	40,951	43,831
69	50,715	11.73	4,325	20,607	23,487	26,368	29,248	32,128	35,008	37,888	40,768
71	52,430	11.89	4,410	17,502	20,382	23,262	26,142	29,022	31,902	34,782	37,662
73	54,145	12.05	4,494	n/a	17,236	20,116	22,996	25,876	28,756	31,636	34,516

Marvair Model VAISA48AC (Indoor Air = 1550 CFM) Full Capacity

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	42,091	9.90	4,253	31,870	34,750	37,630	40,510	42,091	42,091	42,091	42,091
63	43,757	10.13	4,321	28,945	31,825	34,705	37,585	40,465	43,345	43,757	43,757
65	45,374	10.35	4,384	25,956	28,836	31,716	34,596	37,476	40,356	43,236	45,374
67	47,040	10.57	4,452	22,944	25,824	28,704	31,584	34,464	37,344	40,224	43,104
69	48,706	10.73	4,541	19,889	22,769	25,649	28,529	31,409	34,290	37,170	40,050
71	50,323	10.87	4,630	16,777	19,657	22,537	25,417	28,297	31,177	34,057	36,937
73	51,989	11.02	4,719	n/a	16,522	19,402	22,283	25,163	28,043	30,923	33,803

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	40,327	9.05	4,456	31,149	34,029	36,909	39,789	40,327	40,327	40,327	40,327
63	41,944	9.27	4,524	28,228	31,108	33,988	36,868	39,748	41,944	41,944	41,944
65	43,512	9.47	4,596	25,245	28,125	31,005	33,885	36,765	39,645	42,526	43,512
67	45,080	9.67	4,664	22,222	25,102	27,982	30,862	33,742	36,622	39,502	42,382
69	46,648	9.81	4,757	19,159	22,039	24,919	27,799	30,679	33,559	36,439	39,320
71	48,216	9.94	4,851	16,058	18,938	21,818	24,698	27,578	30,458	33,338	36,218
73	49,833	10.08	4,944	n/a	15,815	18,695	21,575	24,455	27,335	30,215	33,095

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	38,612	8.29	4,656	30,452	33,332	36,212	38,612	38,612	38,612	38,612	38,612
63	40,082	8.47	4,732	27,497	30,377	33,257	36,137	39,017	40,082	40,082	40,082
65	41,601	8.66	4,804	24,521	27,401	30,281	33,161	36,041	38,921	41,601	41,601
67	43,120	8.84	4,876	21,506	24,386	27,266	30,146	33,026	35,906	38,786	41,666
69	44,639	8.98	4,974	18,452	21,332	24,212	27,092	29,972	32,852	35,732	38,612
71	46,158	9.10	5,071	15,360	18,240	21,120	24,001	26,881	29,761	32,641	35,521
73	47,628	9.21	5,169	n/a	15,097	17,977	20,857	23,737	26,617	29,497	32,377

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	37,730	7.76	4,859	30,096	32,976	35,856	37,730	37,730	37,730	37,730	37,730
63	39,200	7.94	4,935	27,153	30,033	32,913	35,793	38,673	39,200	39,200	39,200
65	40,670	8.12	5,012	24,170	27,050	29,930	32,810	35,690	38,571	40,670	40,670
67	42,140	8.28	5,088	21,149	24,030	26,910	29,790	32,670	35,550	38,430	41,310
69	43,610	8.40	5,190	18,091	20,972	23,852	26,732	29,612	32,492	35,372	38,252
71	45,080	8.52	5,292	14,997	17,877	20,757	23,637	26,517	29,398	32,278	35,158
73	46,550	8.63	5,393	n/a	14,748	17,628	20,508	23,388	26,268	29,148	32,028

Marvair Model VAISA48AC (Indoor Air = 1550 CFM) Modulated Capacity

75 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)								Pressures (psig)	
				Indoor Dry Bulb (°F)								Suct.	Disch.
				72	74	76	78	80	82	84	86		
61	39,444	17.21	2,292	30,421	33,234	36,047	38,860	39,444	39,444	39,444	39,444	137	243
63	41,002	17.61	2,328	27,556	30,369	33,182	35,995	38,808	41,002	41,002	41,002	141	253
65	42,522	17.99	2,364	24,635	27,448	30,261	33,074	35,887	38,700	41,513	42,522	146	264
67	44,080	18.37	2,400	21,688	24,501	27,314	30,128	32,941	35,754	38,567	41,380	151	275
69	45,638	18.64	2,448	18,702	21,515	24,328	27,142	29,955	32,768	35,581	38,394	155	286
71	47,158	18.89	2,496	15,665	18,478	21,291	24,104	26,917	29,730	32,544	35,357	160	297
73	48,716	19.15	2,544	n/a	15,417	18,230	21,043	23,856	26,669	29,482	32,295	165	308

80 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)								Pressures (psig)	
				Indoor Dry Bulb (°F)								Suct.	Disch.
				72	74	76	78	80	82	84	86		
61	38,076	15.63	2,436	29,867	32,680	35,493	38,076	38,076	38,076	38,076	38,076	138	264
63	39,596	16.00	2,475	27,006	29,819	32,632	35,445	38,258	39,596	39,596	39,596	143	275
65	41,078	16.36	2,511	24,089	26,902	29,715	32,529	35,342	38,155	40,968	41,078	148	286
67	42,560	16.69	2,550	21,134	23,948	26,761	29,574	32,387	35,200	38,013	40,826	152	297
69	44,042	16.93	2,601	18,142	20,955	23,768	26,581	29,394	32,208	35,021	37,834	157	308
71	45,524	17.17	2,652	15,113	17,926	20,739	23,552	26,365	29,179	31,992	34,805	162	319
73	47,044	17.40	2,703	n/a	14,874	17,687	20,500	23,313	26,126	28,939	31,753	166	329

85 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)								Pressures (psig)	
				Indoor Dry Bulb (°F)								Suct.	Disch.
				72	74	76	78	80	82	84	86		
61	36,746	14.24	2,580	29,331	32,144	34,958	36,746	36,746	36,746	36,746	36,746	140	286
63	38,152	14.57	2,619	26,444	29,257	32,070	34,883	37,696	38,152	38,152	38,152	144	297
65	39,596	14.88	2,661	23,533	26,346	29,159	31,972	34,785	37,598	39,596	39,596	149	308
67	41,040	15.20	2,700	20,584	23,397	26,210	29,023	31,836	34,649	37,462	40,276	154	319
69	42,484	15.43	2,754	17,598	20,411	23,225	26,038	28,851	31,664	34,477	37,290	159	329
71	43,928	15.64	2,808	14,577	17,390	20,203	23,017	25,830	28,643	31,456	34,269	163	340
73	45,334	15.84	2,862	n/a	14,322	17,135	19,948	22,761	25,575	28,388	31,201	168	351

90 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)								Pressures (psig)	
				Indoor Dry Bulb (°F)								Suct.	Disch.
				72	74	76	78	80	82	84	86		
61	35,378	13.00	2,721	28,783	31,596	34,409	35,378	35,378	35,378	35,378	35,378	141	308
63	36,746	13.28	2,766	25,899	28,713	31,526	34,339	36,746	36,746	36,746	36,746	146	319
65	38,152	13.59	2,808	22,993	25,806	28,619	31,432	34,246	37,059	38,152	38,152	151	329
67	39,520	13.87	2,850	20,036	22,849	25,663	28,476	31,289	34,102	36,915	39,520	155	340
69	40,888	14.07	2,907	17,045	19,858	22,671	25,484	28,297	31,110	33,923	36,736	160	351
71	42,294	14.27	2,964	14,032	16,845	19,658	22,471	25,284	28,097	30,910	33,724	165	362
73	43,662	14.45	3,021	n/a	13,786	16,599	19,412	22,225	25,038	27,851	30,665	170	373

95 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)								Pressures (psig)	
				Indoor Dry Bulb (°F)								Suct.	Disch.
				72	74	76	78	80	82	84	86		
61	34,010	11.87	2,865	28,238	31,051	33,864	34,010	34,010	34,010	34,010	34,010	143	329
63	35,340	12.14	2,910	25,358	28,171	30,984	33,798	35,340	35,340	35,340	35,340	148	340
65	36,670	12.41	2,955	22,443	25,256	28,069	30,882	33,695	36,508	36,670	36,670	152	351
67	38,000	12.67	3,000	19,492	22,305	25,118	27,931	30,744	33,558	36,371	38,000	157	362
69	39,330	12.85	3,060	16,507	19,321	22,134	24,947	27,760	30,573	33,386	36,199	162	373
71	40,660	13.03	3,120	13,490	16,303	19,116	21,929	24,742	27,555	30,368	33,181	166	384
73	41,990	13.20	3,180	n/a	13,253	16,066	18,879	21,692	24,505	27,318	30,132	171	395

Marvair Model VAISA48AC (Indoor Air = 1550 CFM) Modulated Capacity

100 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)								Pressures (psig)	
				Indoor Dry Bulb (°F)								Suct.	Disch.
				72	74	76	78	80	82	84	86		
61	32,642	10.85	3,009	27,696	30,509	32,642	32,642	32,642	32,642	32,642	32,642	144	351
63	33,934	11.10	3,057	24,820	27,633	30,446	33,259	33,934	33,934	33,934	33,934	149	362
65	35,188	11.34	3,102	21,895	24,708	27,521	30,335	33,148	35,188	35,188	35,188	154	373
67	36,480	11.58	3,150	18,951	21,764	24,577	27,390	30,203	33,016	35,829	36,480	159	384
69	37,772	11.76	3,213	15,973	18,786	21,599	24,413	27,226	30,039	32,852	35,665	163	395
71	39,026	11.91	3,276	12,951	15,764	18,577	21,390	24,203	27,016	29,829	32,643	168	405
73	40,318	12.07	3,339	n/a	12,723	15,536	18,349	21,162	23,975	26,789	29,602	173	416

105 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)								Pressures (psig)	
				Indoor Dry Bulb (°F)								Suct.	Disch.
				72	74	76	78	80	82	84	86		
61	31,274	9.92	3,153	27,157	29,970	31,274	31,274	31,274	31,274	31,274	31,274	146	373
63	32,528	10.16	3,201	24,285	27,098	29,911	32,528	32,528	32,528	32,528	32,528	151	384
65	33,744	10.38	3,252	21,365	24,178	26,991	29,804	32,617	33,744	33,744	33,744	155	395
67	34,960	10.59	3,300	18,413	21,226	24,039	26,852	29,665	32,478	34,960	34,960	160	405
69	36,176	10.75	3,366	15,429	18,242	21,055	23,869	26,682	29,495	32,308	35,121	165	416
71	37,392	10.90	3,432	12,415	15,228	18,041	20,854	23,668	26,481	29,294	32,107	170	427
73	38,646	11.05	3,498	n/a	12,196	15,009	17,823	20,636	23,449	26,262	29,075	174	438

110 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)								Pressures (psig)	
				Indoor Dry Bulb (°F)								Suct.	Disch.
				72	74	76	78	80	82	84	86		
61	29,944	9.09	3,294	26,636	29,449	29,944	29,944	29,944	29,944	29,944	29,944	148	395
63	31,084	9.28	3,348	23,738	26,551	29,365	31,084	31,084	31,084	31,084	31,084	152	405
65	32,262	9.49	3,399	20,824	23,637	26,450	29,263	32,076	32,262	32,262	32,262	157	416
67	33,440	9.69	3,450	17,878	20,691	23,504	26,317	29,130	31,943	33,440	33,440	162	427
69	34,618	9.84	3,519	14,901	17,714	20,527	23,341	26,154	28,967	31,780	34,593	166	438
71	35,796	9.98	3,588	11,895	14,708	17,521	20,334	23,147	25,960	28,774	31,587	171	449
73	36,936	10.10	3,657	n/a	11,661	14,474	17,287	20,100	22,913	25,726	28,540	176	460

115 °F Outdoor Air Temperature

Indoor Wet Bulb	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)								Pressures (psig)	
				Indoor Dry Bulb (°F)								Suct.	Disch.
				72	74	76	78	80	82	84	86		
61	29,260	8.51	3,438	26,369	29,182	29,260	29,260	29,260	29,260	29,260	29,260	149	416
63	30,400	8.71	3,492	23,480	26,294	29,107	30,400	30,400	30,400	30,400	30,400	154	427
65	31,540	8.89	3,546	20,561	23,374	26,187	29,000	31,540	31,540	31,540	31,540	159	438
67	32,680	9.08	3,600	17,611	20,425	23,238	26,051	28,864	31,677	32,680	32,680	163	449
69	33,820	9.21	3,672	14,632	17,445	20,258	23,071	25,884	28,698	31,511	33,820	168	460
71	34,960	9.34	3,744	11,624	14,437	17,250	20,063	22,876	25,689	28,502	31,315	173	471
73	36,100	9.46	3,816	n/a	11,400	14,213	17,027	19,840	22,653	25,466	28,279	177	481

Marvair Model VAISA60AC (Indoor Air = 1650 CFM) Full Capacity

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	60,204	14.67	4,103	40,438	43,504	46,570	49,636	52,701	55,767	58,833	60,204
63	62,582	15.02	4,167	37,358	40,424	43,490	46,556	49,622	52,688	55,753	58,819
65	64,902	15.34	4,232	34,191	37,257	40,323	43,389	46,455	49,521	52,587	55,653
67	67,280	15.66	4,296	30,987	34,053	37,119	40,185	43,251	46,317	49,383	52,448
69	69,658	15.90	4,382	27,723	30,788	33,854	36,920	39,986	43,052	46,118	49,184
71	71,978	16.11	4,468	24,378	27,444	30,510	33,575	36,641	39,707	42,773	45,839
73	74,356	16.33	4,554	n/a	24,064	27,129	30,195	33,261	36,327	39,393	42,459

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	58,116	13.33	4,360	39,532	42,598	45,664	48,730	51,795	54,861	57,927	58,116
63	60,436	13.64	4,430	36,457	39,523	42,589	45,654	48,720	51,786	54,852	57,918
65	62,698	13.95	4,495	33,297	36,363	39,428	42,494	45,560	48,626	51,692	54,758
67	64,960	14.23	4,565	30,078	33,144	36,209	39,275	42,341	45,407	48,473	51,539
69	67,222	14.44	4,656	26,801	29,867	32,933	35,999	39,065	42,131	45,197	48,263
71	69,484	14.64	4,747	23,469	26,535	29,601	32,667	35,733	38,799	41,865	44,931
73	71,804	14.84	4,838	n/a	23,169	26,235	29,301	32,367	35,433	38,499	41,565

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	56,086	12.14	4,618	38,658	41,724	44,790	47,856	50,922	53,988	56,086	56,086
63	58,232	12.42	4,688	35,539	38,605	41,671	44,737	47,802	50,868	53,934	57,000
65	60,436	12.69	4,763	32,386	35,452	38,518	41,584	44,650	47,715	50,781	53,847
67	62,640	12.96	4,833	29,176	32,242	35,308	38,374	41,440	44,505	47,571	50,637
69	64,844	13.15	4,930	25,910	28,976	32,042	35,108	38,174	41,240	44,306	47,371
71	67,048	13.34	5,026	22,590	25,656	28,722	31,788	34,854	37,919	40,985	44,051
73	69,194	13.51	5,123	n/a	22,263	25,329	28,395	31,461	34,526	37,592	40,658

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	53,998	11.09	4,871	37,767	40,832	43,898	46,964	50,030	53,096	53,998	53,998
63	56,086	11.33	4,951	34,652	37,718	40,784	43,850	46,916	49,982	53,048	56,086
65	58,232	11.59	5,026	31,506	34,572	37,638	40,704	43,770	46,836	49,902	52,967
67	60,320	11.82	5,102	28,282	31,348	34,414	37,480	40,546	43,611	46,677	49,743
69	62,408	11.99	5,204	25,005	28,071	31,137	34,203	37,269	40,335	43,400	46,466
71	64,554	12.17	5,306	21,698	24,763	27,829	30,895	33,961	37,027	40,093	43,159
73	66,642	12.32	5,408	n/a	21,385	24,451	27,516	30,582	33,648	36,714	39,780

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	51,910	10.12	5,128	36,882	39,948	43,014	46,080	49,146	51,910	51,910	51,910
63	53,940	10.36	5,209	33,773	36,839	39,905	42,971	46,037	49,103	52,169	53,940
65	55,970	10.58	5,289	30,611	33,677	36,743	39,808	42,874	45,940	49,006	52,072
67	58,000	10.80	5,370	27,396	30,461	33,527	36,593	39,659	42,725	45,791	48,857
69	60,030	10.96	5,477	24,129	27,195	30,261	33,327	36,393	39,459	42,525	45,590
71	62,060	11.11	5,585	20,813	23,879	26,945	30,011	33,077	36,142	39,208	42,274
73	64,090	11.26	5,692	n/a	20,514	23,580	26,646	29,712	32,778	35,844	38,910

Marvair Model VAISA60AC (Indoor Air = 1650 CFM) Full Capacity

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	49,822	9.25	5,386	36,005	39,071	42,137	45,203	48,269	49,822	49,822	49,822
63	51,794	9.47	5,472	32,901	35,967	39,033	42,099	45,165	48,231	51,297	51,794
65	53,708	9.67	5,553	29,723	32,789	35,855	38,920	41,986	45,052	48,118	51,184
67	55,680	9.87	5,639	26,517	29,583	32,648	35,714	38,780	41,846	44,912	47,978
69	57,652	10.02	5,751	23,261	26,327	29,393	32,459	35,524	38,590	41,656	44,722
71	59,566	10.16	5,864	19,936	23,002	26,068	29,134	32,200	35,266	38,332	41,397
73	61,538	10.30	5,977	n/a	19,651	22,717	25,783	28,849	31,915	34,981	38,047

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	47,734	8.46	5,644	35,135	38,201	41,267	44,332	47,398	47,734	47,734	47,734
63	49,648	8.66	5,730	32,036	35,102	38,168	41,234	44,300	47,366	49,648	49,648
65	51,504	8.85	5,821	28,865	31,931	34,997	38,062	41,128	44,194	47,260	50,326
67	53,360	9.03	5,907	25,645	28,711	31,777	34,843	37,909	40,975	44,041	47,107
69	55,216	9.16	6,025	22,379	25,445	28,511	31,577	34,642	37,708	40,774	43,840
71	57,072	9.29	6,143	19,067	22,133	25,199	28,265	31,331	34,397	37,462	40,528
73	58,986	9.42	6,261	n/a	18,796	21,862	24,928	27,994	31,060	34,126	37,192

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	45,704	7.75	5,896	34,295	37,361	40,427	43,493	45,704	45,704	45,704	45,704
63	47,444	7.92	5,993	31,155	34,221	37,287	40,353	43,419	46,485	47,444	47,444
65	49,242	8.09	6,084	27,992	31,057	34,123	37,189	40,255	43,321	46,387	49,242
67	51,040	8.26	6,176	24,781	27,847	30,913	33,979	37,045	40,111	43,176	46,242
69	52,838	8.39	6,299	21,525	24,591	27,657	30,723	33,789	36,855	39,921	42,987
71	54,636	8.51	6,423	18,225	21,291	24,357	27,423	30,489	33,555	36,621	39,687
73	56,376	8.61	6,546	n/a	17,929	20,995	24,061	27,127	30,193	33,259	36,325

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	44,660	7.26	6,154	33,866	36,932	39,998	43,064	44,660	44,660	44,660	44,660
63	46,400	7.42	6,251	30,740	33,806	36,872	39,938	43,004	46,070	46,400	46,400
65	48,140	7.58	6,347	27,569	30,635	33,700	36,766	39,832	42,898	45,964	48,140
67	49,880	7.74	6,444	24,352	27,418	30,484	33,549	36,615	39,681	42,747	45,813
69	51,620	7.85	6,573	21,091	24,157	27,223	30,289	33,355	36,420	39,486	42,552
71	53,360	7.96	6,702	17,787	20,853	23,919	26,985	30,051	33,117	36,183	39,249
73	55,100	8.07	6,831	n/a	17,508	20,574	23,640	26,706	29,772	32,838	35,904

Marvair Model VAISA60AC (Indoor Air = 1650 CFM) Modulated Capacity

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	46,710	15.40	3,033	34,710	37,776	40,842	43,908	46,710	46,710	46,710	46,710
63	48,555	15.76	3,081	31,599	34,664	37,730	40,796	43,862	46,928	48,555	48,555
65	50,355	16.10	3,128	28,420	31,486	34,552	37,618	40,684	43,750	46,816	50,355
67	52,200	16.44	3,176	25,212	28,278	31,344	34,410	37,476	40,542	43,608	46,674
69	54,045	16.68	3,240	21,958	25,024	28,089	31,155	34,221	37,287	40,353	43,419
71	55,845	16.91	3,303	18,642	21,708	24,774	27,840	30,906	33,972	37,038	40,103
73	57,690	17.14	3,367	n/a	18,365	21,431	24,497	27,562	30,628	33,694	36,760

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	45,090	13.99	3,224	34,043	37,109	40,175	43,240	45,090	45,090	45,090	45,090
63	46,890	14.32	3,275	30,935	34,001	37,067	40,133	43,199	46,890	46,890	46,890
65	48,645	14.64	3,323	27,762	30,828	33,894	36,960	40,026	43,092	46,158	48,645
67	50,400	14.94	3,375	24,544	27,610	30,676	33,742	36,808	39,873	42,939	46,005
69	52,155	15.15	3,442	21,282	24,347	27,413	30,479	33,545	36,611	39,677	42,743
71	53,910	15.36	3,509	17,976	21,042	24,108	27,174	30,240	33,305	36,371	39,437
73	55,710	15.57	3,577	n/a	17,709	20,775	23,841	26,907	29,973	33,039	36,105

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	43,515	12.75	3,414	33,397	36,463	39,529	43,515	43,515	43,515	43,515	43,515
63	45,180	13.04	3,466	30,258	33,324	36,390	39,455	42,521	45,180	45,180	45,180
65	46,890	13.32	3,521	27,091	30,157	33,223	36,289	39,355	42,421	46,890	46,890
67	48,600	13.60	3,573	23,880	26,946	30,012	33,078	36,144	39,210	42,275	45,341
69	50,310	13.80	3,644	20,626	23,692	26,758	29,824	32,889	35,955	39,021	42,087
71	52,020	14.00	3,716	17,330	20,395	23,461	26,527	29,593	32,659	35,725	38,791
73	53,685	14.17	3,787	n/a	17,043	20,109	23,175	26,241	29,307	32,373	35,439

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	41,895	11.63	3,601	32,738	35,804	38,870	41,895	41,895	41,895	41,895	41,895
63	43,515	11.89	3,660	29,603	32,668	35,734	38,800	41,866	43,515	43,515	43,515
65	45,180	12.16	3,716	26,441	29,507	32,573	35,639	38,705	41,771	45,180	45,180
67	46,800	12.41	3,772	23,221	26,286	29,352	32,418	35,484	38,550	41,616	44,682
69	48,420	12.59	3,847	19,959	23,025	26,090	29,156	32,222	35,288	38,354	41,420
71	50,085	12.77	3,922	16,672	19,738	22,804	25,870	28,936	32,002	35,067	38,133
73	51,705	12.93	3,998	n/a	16,397	19,463	22,529	25,595	28,660	31,726	34,792

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	40,275	10.62	3,791	32,082	35,148	38,214	40,275	40,275	40,275	40,275	40,275
63	41,850	10.87	3,851	28,951	32,017	35,083	38,149	41,850	41,850	41,850	41,850
65	43,425	11.10	3,910	25,779	28,845	31,911	34,976	38,042	41,108	43,425	43,425
67	45,000	11.34	3,970	22,565	25,631	28,697	31,763	34,829	37,895	40,961	45,000
69	46,575	11.50	4,049	19,312	22,377	25,443	28,509	31,575	34,641	37,707	40,773
71	48,150	11.66	4,129	16,019	19,085	22,151	25,217	28,283	31,349	34,414	37,480
73	49,725	11.82	4,208	n/a	15,755	18,821	21,886	24,952	28,018	31,084	34,150

Marvair Model VAISA60AC (Indoor Air = 1650 CFM) Modulated Capacity

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	38,655	9.71	3,982	31,431	34,496	37,562	38,655	38,655	38,655	38,655	38,655
63	40,185	9.93	4,045	28,304	31,370	34,436	37,502	40,185	40,185	40,185	40,185
65	41,670	10.15	4,105	25,120	28,186	31,252	34,318	37,384	40,450	41,670	41,670
67	43,200	10.36	4,169	21,914	24,980	28,046	31,112	34,178	37,243	40,309	43,200
69	44,730	10.52	4,252	18,669	21,735	24,800	27,866	30,932	33,998	37,064	40,130
71	46,215	10.66	4,335	15,370	18,436	21,502	24,568	27,634	30,700	33,766	36,832
73	47,745	10.81	4,419	n/a	15,117	18,183	21,249	24,314	27,380	30,446	33,512

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	37,035	8.88	4,172	30,783	33,849	37,035	37,035	37,035	37,035	37,035	37,035
63	38,520	9.09	4,236	27,661	30,727	33,793	36,859	38,520	38,520	38,520	38,520
65	39,960	9.29	4,303	24,483	27,549	30,615	33,681	36,747	39,960	39,960	39,960
67	41,400	9.48	4,367	21,267	24,333	27,399	30,465	33,531	36,597	39,662	41,400
69	42,840	9.62	4,454	18,014	21,080	24,146	27,212	30,278	33,344	36,410	39,476
71	44,280	9.75	4,542	14,726	17,792	20,858	23,924	26,990	30,055	33,121	36,187
73	45,765	9.89	4,629	n/a	14,483	17,549	20,615	23,681	26,747	29,812	32,878

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	35,460	8.13	4,359	30,157	33,223	35,460	35,460	35,460	35,460	35,460	35,460
63	36,810	8.31	4,431	27,005	30,071	33,137	36,202	36,810	36,810	36,810	36,810
65	38,205	8.49	4,498	23,833	26,899	29,965	33,030	36,096	38,205	38,205	38,205
67	39,600	8.67	4,566	20,624	23,690	26,756	29,822	32,888	35,954	39,020	39,600
69	40,995	8.80	4,657	17,380	20,446	23,512	26,578	29,643	32,709	35,775	38,841
71	42,390	8.93	4,748	14,101	17,167	20,232	23,298	26,364	29,430	32,496	35,562
73	43,740	9.04	4,839	n/a	13,839	16,905	19,971	23,037	26,103	29,169	32,235

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	34,650	7.62	4,550	29,836	32,902	34,650	34,650	34,650	34,650	34,650	34,650
63	36,000	7.79	4,621	26,695	29,761	32,827	35,893	36,000	36,000	36,000	36,000
65	37,350	7.96	4,693	23,518	26,583	29,649	32,715	35,781	37,350	37,350	37,350
67	38,700	8.12	4,764	20,304	23,370	26,436	29,502	32,568	35,634	38,700	38,700
69	40,050	8.24	4,859	17,056	20,122	23,188	26,254	29,320	32,386	35,452	38,518
71	41,400	8.36	4,955	13,775	16,841	19,907	22,972	26,038	29,104	32,170	35,236
73	42,750	8.47	5,050	n/a	13,526	16,592	19,658	22,724	25,790	28,856	31,921