

Marvair Model VAIA48AC (Indoor Air = 1550 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	51,900	17.11	3,033	36,163	39,076	41,990	44,903	47,817	50,730	51,900	51,900
63	53,950	17.51	3,081	33,224	36,138	39,051	41,965	44,878	47,792	50,705	53,619
65	55,950	17.88	3,128	30,211	33,125	36,038	38,952	41,865	44,779	47,692	50,606
67	58,000	18.26	3,176	27,166	30,079	32,993	35,906	38,820	41,733	44,647	47,560
69	60,050	18.54	3,240	24,068	26,982	29,895	32,809	35,722	38,636	41,550	44,463
71	62,050	18.79	3,303	20,902	23,816	26,730	29,643	32,557	35,470	38,384	41,297
73	64,100	19.04	3,367	n/a	20,620	23,533	26,447	29,360	32,274	35,188	38,101

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	50,100	15.54	3,224	35,396	38,310	41,223	44,137	47,051	49,964	50,100	50,100
63	52,100	15.91	3,275	32,462	35,375	38,289	41,203	44,116	47,030	49,943	52,100
65	54,050	16.27	3,323	29,455	32,368	35,282	38,195	41,109	44,023	46,936	49,850
67	56,000	16.60	3,375	26,397	29,311	32,224	35,138	38,051	40,965	43,879	46,792
69	57,950	16.84	3,442	23,290	26,204	29,117	32,031	34,945	37,858	40,772	43,685
71	59,900	17.07	3,509	20,135	23,049	25,963	28,876	31,790	34,703	37,617	40,530
73	61,900	17.31	3,577	n/a	19,865	22,778	25,692	28,606	31,519	34,433	37,346

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	48,350	14.16	3,414	34,657	37,570	40,484	43,397	46,311	48,350	48,350	48,350
63	50,200	14.48	3,466	31,685	34,599	37,512	40,426	43,339	46,253	49,167	50,200
65	52,100	14.80	3,521	28,685	31,598	34,512	37,425	40,339	43,252	46,166	49,080
67	54,000	15.11	3,573	25,635	28,548	31,462	34,375	37,289	40,203	43,116	46,030
69	55,900	15.34	3,644	22,537	25,450	28,364	31,278	34,191	37,105	40,018	42,932
71	57,800	15.55	3,716	19,392	22,306	25,220	28,133	31,047	33,960	36,874	39,787
73	59,650	15.75	3,787	n/a	19,099	22,013	24,926	27,840	30,753	33,667	36,581

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	46,550	12.93	3,601	33,901	36,815	39,729	42,642	45,556	46,550	46,550	46,550
63	48,350	13.21	3,660	30,935	33,848	36,762	39,675	42,589	45,503	48,350	48,350
65	50,200	13.51	3,716	27,940	30,853	33,767	36,681	39,594	42,508	45,421	48,335
67	52,000	13.79	3,772	24,878	27,792	30,705	33,619	36,532	39,446	42,360	45,273
69	53,800	13.99	3,847	21,771	24,685	27,598	30,512	33,426	36,339	39,253	42,166
71	55,650	14.19	3,922	18,638	21,551	24,465	27,378	30,292	33,206	36,119	39,033
73	57,450	14.37	3,998	n/a	18,357	21,270	24,184	27,097	30,011	32,924	35,838

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	44,750	11.80	3,791	33,152	36,065	38,979	41,892	44,750	44,750	44,750	44,750
63	46,500	12.08	3,851	30,190	33,103	36,017	38,930	41,844	44,758	46,500	46,500
65	48,250	12.34	3,910	27,181	30,095	33,008	35,922	38,836	41,749	44,663	47,576
67	50,000	12.59	3,970	24,128	27,041	29,955	32,868	35,782	38,695	41,609	44,523
69	51,750	12.78	4,049	21,030	23,943	26,857	29,770	32,684	35,598	38,511	41,425
71	53,500	12.96	4,129	17,889	20,803	23,716	26,630	29,543	32,457	35,370	38,284
73	55,250	13.13	4,208	n/a	17,620	20,534	23,447	26,361	29,274	32,188	35,101

Marvair Model VAIA48AC (Indoor Air = 1550 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	42,950	10.79	3,982	32,408	35,321	38,235	41,148	42,950	42,950	42,950	42,950
63	44,650	11.04	4,045	29,450	32,364	35,277	38,191	41,104	44,018	44,650	44,650
65	46,300	11.28	4,105	26,429	29,342	32,256	35,169	38,083	40,996	43,910	46,300
67	48,000	11.51	4,169	23,383	26,296	29,210	32,123	35,037	37,951	40,864	43,778
69	49,700	11.69	4,252	20,294	23,208	26,121	29,035	31,948	34,862	37,775	40,689
71	51,350	11.84	4,335	17,146	20,060	22,973	25,887	28,801	31,714	34,628	37,541
73	53,050	12.01	4,419	n/a	16,889	19,803	22,717	25,630	28,544	31,457	34,371

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	41,150	9.86	4,172	31,669	34,582	37,496	40,410	41,150	41,150	41,150	41,150
63	42,800	10.10	4,236	28,716	31,630	34,543	37,457	40,370	42,800	42,800	42,800
65	44,400	10.32	4,303	25,701	28,614	31,528	34,441	37,355	40,268	43,182	44,400
67	46,000	10.53	4,367	22,644	25,557	28,471	31,384	34,298	37,212	40,125	43,039
69	47,600	10.69	4,454	19,546	22,460	25,373	28,287	31,201	34,114	37,028	39,941
71	49,200	10.83	4,542	16,410	19,323	22,237	25,150	28,064	30,977	33,891	36,805
73	50,850	10.99	4,629	n/a	16,165	19,078	21,992	24,905	27,819	30,732	33,646

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	39,400	9.04	4,359	30,956	33,869	36,783	39,400	39,400	39,400	39,400	39,400
63	40,900	9.23	4,431	27,968	30,882	33,795	36,709	39,622	40,900	40,900	40,900
65	42,450	9.44	4,498	24,959	27,873	30,786	33,700	36,613	39,527	42,441	42,450
67	44,000	9.64	4,566	21,910	24,824	27,737	30,651	33,564	36,478	39,392	42,305
69	45,550	9.78	4,657	18,822	21,736	24,649	27,563	30,476	33,390	36,303	39,217
71	47,100	9.92	4,748	15,696	18,609	21,523	24,436	27,350	30,263	33,177	36,091
73	48,600	10.04	4,839	n/a	15,429	18,343	21,256	24,170	27,084	29,997	32,911

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	38,500	8.46	4,550	30,591	33,505	36,418	38,500	38,500	38,500	38,500	38,500
63	40,000	8.66	4,621	27,615	30,529	33,443	36,356	39,270	40,000	40,000	40,000
65	41,500	8.84	4,693	24,600	27,514	30,427	33,341	36,254	39,168	41,500	41,500
67	43,000	9.03	4,764	21,546	24,459	27,373	30,286	33,200	36,113	39,027	41,941
69	44,500	9.16	4,859	18,453	21,367	24,280	27,194	30,107	33,021	35,935	38,848
71	46,000	9.28	4,955	15,324	18,237	21,151	24,064	26,978	29,892	32,805	35,719
73	47,500	9.41	5,050	n/a	15,072	17,985	20,899	23,813	26,726	29,640	32,553

Marvair Model Number VAI60AC (Indoor Air = 1650 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	62,280	15.48	4,022	41,934	45,107	48,280	51,453	54,626	57,798	60,971	62,280
63	64,740	15.85	4,086	38,753	41,926	45,099	48,272	51,445	54,618	57,790	60,963
65	67,140	16.18	4,149	35,482	38,655	41,828	45,001	48,173	51,346	54,519	57,692
67	69,600	16.52	4,212	32,172	35,345	38,518	41,691	44,863	48,036	51,209	54,382
69	72,060	16.77	4,296	28,799	31,972	35,145	38,318	41,491	44,664	47,836	51,009
71	74,460	17.00	4,380	25,343	28,516	31,689	34,862	38,035	41,207	44,380	47,553
73	76,920	17.23	4,465	n/a	25,024	28,197	31,369	34,542	37,715	40,888	44,061

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	60,120	14.06	4,275	40,989	44,162	47,335	50,508	53,681	56,854	60,027	60,120
63	62,520	14.39	4,344	37,813	40,986	44,159	47,332	50,505	53,677	56,850	60,023
65	64,860	14.72	4,407	34,549	37,721	40,894	44,067	47,240	50,413	53,586	56,759
67	67,200	15.02	4,475	31,223	34,396	37,569	40,742	43,914	47,087	50,260	53,433
69	69,540	15.23	4,565	27,838	31,011	34,184	37,357	40,530	43,702	46,875	50,048
71	71,880	15.44	4,654	24,395	27,568	30,741	33,914	37,087	40,260	43,432	46,605
73	74,280	15.66	4,744	n/a	24,090	27,263	30,436	33,609	36,782	39,954	43,127

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	58,020	12.81	4,528	40,079	43,251	46,424	49,597	52,770	55,943	58,020	58,020
63	60,240	13.11	4,596	36,856	40,029	43,202	46,375	49,548	52,720	55,893	59,066
65	62,520	13.39	4,670	33,599	36,772	39,945	43,118	46,290	49,463	52,636	55,809
67	64,800	13.68	4,739	30,283	33,455	36,628	39,801	42,974	46,147	49,320	52,493
69	67,080	13.88	4,833	26,908	30,081	33,254	36,427	39,600	42,773	45,945	49,118
71	69,360	14.07	4,928	23,478	26,651	29,824	32,996	36,169	39,342	42,515	45,688
73	71,580	14.25	5,023	n/a	23,145	26,317	29,490	32,663	35,836	39,009	42,182

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	55,860	11.70	4,775	39,149	42,322	45,495	48,668	51,841	55,014	55,860	55,860
63	58,020	11.95	4,854	35,932	39,105	42,278	45,451	48,624	51,796	54,969	58,020
65	60,240	12.22	4,928	32,682	35,855	39,027	42,200	45,373	48,546	51,719	54,892
67	62,400	12.48	5,002	29,351	32,523	35,696	38,869	42,042	45,215	48,388	51,560
69	64,560	12.65	5,102	25,965	29,137	32,310	35,483	38,656	41,829	45,002	48,175
71	66,780	12.84	5,202	22,547	25,720	28,893	32,066	35,239	38,411	41,584	44,757
73	68,940	13.00	5,302	n/a	22,229	25,401	28,574	31,747	34,920	38,093	41,266

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	53,700	10.68	5,028	38,228	41,401	44,574	47,747	50,919	53,700	53,700	53,700
63	55,800	10.93	5,107	35,016	38,189	41,362	44,535	47,708	50,880	54,053	55,800
65	57,900	11.16	5,186	31,749	34,921	38,094	41,267	44,440	47,613	50,786	53,958
67	60,000	11.40	5,265	28,427	31,599	34,772	37,945	41,118	44,291	47,464	50,637
69	62,100	11.56	5,370	25,052	28,224	31,397	34,570	37,743	40,916	44,089	47,262
71	64,200	11.72	5,476	21,625	24,798	27,971	31,144	34,316	37,489	40,662	43,835
73	66,300	11.88	5,581	n/a	21,321	24,494	27,667	30,840	34,012	37,185	40,358

Marvair Model Number VAI60AC (Indoor Air = 1650 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	51,540	9.76	5,281	37,314	40,487	43,660	46,833	50,006	51,540	51,540	51,540
63	53,580	9.99	5,365	34,108	37,281	40,454	43,626	46,799	49,972	53,580	53,580
65	55,560	10.21	5,444	30,824	33,996	37,169	40,342	43,515	46,688	49,861	53,033
67	57,600	10.42	5,528	27,511	30,684	33,857	37,029	40,202	43,375	46,548	49,721
69	59,640	10.58	5,639	24,147	27,320	30,492	33,665	36,838	40,011	43,184	46,357
71	61,620	10.72	5,749	20,711	23,884	27,057	30,230	33,403	36,575	39,748	42,921
73	63,660	10.86	5,860	n/a	20,422	23,595	26,767	29,940	33,113	36,286	39,459

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	49,380	8.92	5,534	36,408	39,581	42,754	45,927	49,100	49,380	49,380	49,380
63	51,360	9.14	5,618	33,207	36,380	39,553	42,726	45,898	49,071	51,360	51,360
65	53,280	9.34	5,707	29,930	33,103	36,276	39,448	42,621	45,794	48,967	52,140
67	55,200	9.53	5,792	26,603	29,776	32,949	36,122	39,295	42,467	45,640	48,813
69	57,120	9.67	5,907	23,228	26,401	29,574	32,747	35,919	39,092	42,265	45,438
71	59,040	9.80	6,023	19,806	22,979	26,151	29,324	32,497	35,670	38,843	42,016
73	61,020	9.94	6,139	n/a	19,531	22,704	25,876	29,049	32,222	35,395	38,568

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	47,280	8.18	5,781	35,535	38,707	41,880	45,053	47,280	47,280	47,280	47,280
63	49,080	8.35	5,876	32,290	35,463	38,636	41,808	44,981	48,154	49,080	49,080
65	50,940	8.54	5,965	29,021	32,194	35,366	38,539	41,712	44,885	48,058	50,940
67	52,800	8.72	6,055	25,703	28,876	32,049	35,222	38,395	41,568	44,740	47,913
69	54,660	8.85	6,176	22,339	25,512	28,685	31,858	35,031	38,203	41,376	44,549
71	56,520	8.98	6,297	18,929	22,102	25,275	28,448	31,621	34,793	37,966	41,139
73	58,320	9.09	6,418	n/a	18,628	21,801	24,973	28,146	31,319	34,492	37,665

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	46,200	7.66	6,034	35,088	38,261	41,434	44,607	46,200	46,200	46,200	46,200
63	48,000	7.83	6,128	31,858	35,031	38,204	41,377	44,550	47,722	48,000	48,000
65	49,800	8.00	6,223	28,581	31,753	34,926	38,099	41,272	44,445	47,618	49,800
67	51,600	8.17	6,318	25,256	28,429	31,602	34,775	37,948	41,121	44,293	47,466
69	53,400	8.29	6,444	21,887	25,060	28,233	31,405	34,578	37,751	40,924	44,097
71	55,200	8.40	6,571	18,473	21,646	24,819	27,992	31,164	34,337	37,510	40,683
73	57,000	8.51	6,697	n/a	18,189	21,362	24,535	27,708	30,881	34,054	37,226