

Marvair Model Number HVPA24HP (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)								Pressures (psig)	
				Indoor Dry Bulb (°F)								Suct.	Disch.
				72	74	76	78	80	82	84	86		
61	24,393	14.95	1,631	17,471	18,942	20,412	21,883	23,354	24,393	24,393	24,393	124	252
63	25,357	15.30	1,657	15,981	17,452	18,923	20,394	21,865	23,336	24,807	25,357	129	263
65	26,297	15.63	1,682	14,457	15,928	17,399	18,870	20,341	21,812	23,282	24,753	133	274
67	27,260	15.96	1,708	12,917	14,388	15,859	17,330	18,801	20,272	21,743	23,214	137	286
69	28,224	16.20	1,742	11,353	12,824	14,295	15,766	17,237	18,708	20,179	21,650	142	297
71	29,164	16.42	1,776	9,757	11,228	12,699	14,170	15,641	17,112	18,583	20,054	146	308
73	30,127	16.64	1,810	n/a	9,618	11,089	12,560	14,031	15,502	16,973	18,444	150	320

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	23,547	13.58	1,734	17,117	18,588	20,059	21,530	23,001	23,547	23,547	23,547	126	274
63	24,487	13.90	1,761	15,630	17,101	18,572	20,043	21,513	22,984	24,455	24,487	130	286
65	25,404	14.22	1,787	14,108	15,579	17,050	18,521	19,992	21,463	22,934	24,405	134	297
67	26,320	14.50	1,815	12,563	14,034	15,505	16,976	18,447	19,918	21,389	22,860	139	308
69	27,237	14.71	1,851	10,995	12,466	13,937	15,408	16,879	18,350	19,821	21,292	143	320
71	28,153	14.92	1,887	9,404	10,875	12,346	13,817	15,288	16,759	18,230	19,701	147	331
73	29,093	15.12	1,924	n/a	9,271	10,741	12,212	13,683	15,154	16,625	18,096	152	342

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	22,725	12.38	1,836	16,776	18,247	19,718	21,189	22,659	22,725	22,725	22,725	127	297
63	23,594	12.66	1,864	15,271	16,742	18,213	19,684	21,155	22,626	23,594	23,594	132	308
65	24,487	12.93	1,894	13,753	15,224	16,695	18,166	19,637	21,108	22,579	24,050	136	320
67	25,380	13.21	1,922	12,212	13,683	15,154	16,624	18,095	19,566	21,037	22,508	140	331
69	26,273	13.41	1,960	10,648	12,119	13,590	15,061	16,531	18,002	19,473	20,944	144	342
71	27,166	13.59	1,998	9,062	10,533	12,004	13,475	14,946	16,417	17,887	19,358	149	353
73	28,036	13.76	2,037	n/a	8,918	10,389	11,860	13,331	14,802	16,272	17,743	153	365

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	21,879	11.30	1,936	16,427	17,898	19,369	20,840	21,879	21,879	21,879	21,879	129	320
63	22,725	11.54	1,968	14,925	16,396	17,867	19,338	20,809	22,279	22,725	22,725	133	331
65	23,594	11.81	1,998	13,409	14,880	16,351	17,822	19,293	20,764	22,235	23,594	137	342
67	24,440	12.05	2,028	11,863	13,334	14,804	16,275	17,746	19,217	20,688	22,159	142	353
69	25,286	12.22	2,069	10,295	11,765	13,236	14,707	16,178	17,649	19,120	20,591	146	365
71	26,156	12.40	2,109	8,714	10,185	11,656	13,127	14,598	16,068	17,539	19,010	150	376
73	27,002	12.56	2,150	n/a	8,575	10,046	11,517	12,988	14,459	15,930	17,401	154	387

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	21,033	10.32	2,039	16,080	17,551	19,022	20,493	21,033	21,033	21,033	21,033	130	342
63	21,855	10.55	2,071	14,581	16,051	17,522	18,993	20,464	21,855	21,855	21,855	134	353
65	22,678	10.78	2,103	13,059	14,530	16,001	17,472	18,943	20,414	21,885	22,678	139	365
67	23,500	11.01	2,135	11,516	12,987	14,458	15,929	17,400	18,871	20,342	21,813	143	376
69	24,323	11.17	2,178	9,952	11,423	12,894	14,365	15,836	17,307	18,778	20,249	147	387
71	25,145	11.32	2,220	8,368	9,839	11,310	12,781	14,252	15,723	17,194	18,665	152	399
73	25,968	11.47	2,263	n/a	8,236	9,706	11,177	12,648	14,119	15,590	17,061	156	410

Marvair Model Number HVPA24HP (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)								Pressures (psig)	
				Indoor Dry Bulb (°F)								Suct.	Disch.
				72	74	76	78	80	82	84	86		
61	20,187	9.43	2,141	15,736	17,207	18,678	20,149	20,187	20,187	20,187	20,187	132	365
63	20,986	9.65	2,176	14,239	15,710	17,180	18,651	20,122	20,986	20,986	20,986	136	376
65	21,761	9.86	2,208	12,711	14,182	15,653	17,124	18,595	20,066	21,537	21,781	140	387
67	22,560	10.06	2,242	11,172	12,643	14,114	15,585	17,055	18,526	19,997	21,468	144	399
69	23,359	10.22	2,287	9,612	11,083	12,554	14,025	15,496	16,967	18,438	19,909	149	410
71	24,135	10.35	2,331	8,025	9,496	10,967	12,438	13,909	15,380	16,851	18,322	153	421
73	24,934	10.49	2,376	n/a	7,898	9,369	10,840	12,311	13,782	15,253	16,724	157	432

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	19,341	8.62	2,244	15,394	16,865	18,336	19,341	19,341	19,341	19,341	19,341	133	387
63	20,116	8.83	2,278	13,899	15,370	16,841	18,312	19,783	20,116	20,116	20,116	137	399
65	20,868	9.02	2,314	12,374	13,845	15,316	16,787	18,258	19,729	20,868	20,868	142	410
67	21,620	9.21	2,349	10,830	12,301	13,772	15,243	16,714	18,185	19,656	21,126	146	421
69	22,372	9.34	2,395	9,267	10,737	12,208	13,679	15,150	16,621	18,092	19,563	150	432
71	23,124	9.47	2,442	7,685	9,156	10,626	12,097	13,568	15,039	16,510	17,981	154	444
73	23,900	9.60	2,489	n/a	7,563	9,034	10,505	11,976	13,447	14,918	16,389	159	455

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	18,518	7.90	2,344	15,064	16,535	18,006	18,518	18,518	18,518	18,518	18,518	134	410
63	19,223	8.07	2,383	13,552	15,023	16,494	17,965	19,223	19,223	19,223	19,223	139	421
65	19,952	8.25	2,419	12,031	13,502	14,973	16,444	17,915	19,386	19,952	19,952	143	432
67	20,680	8.42	2,455	10,490	11,961	13,432	14,903	16,374	17,845	19,316	20,680	147	444
69	21,409	8.55	2,504	8,931	10,402	11,873	13,344	14,815	16,286	17,757	19,228	152	455
71	22,137	8.67	2,553	7,354	8,825	10,296	11,767	13,238	14,709	16,180	17,651	156	466
73	22,842	8.78	2,603	n/a	7,223	8,694	10,165	11,636	13,107	14,578	16,049	160	478

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	18,095	7.40	2,447	14,895	16,366	17,837	18,095	18,095	18,095	18,095	18,095	136	432
63	18,800	7.56	2,485	13,389	14,860	16,331	17,802	18,800	18,800	18,800	18,800	140	444
65	19,505	7.73	2,524	11,865	13,336	14,806	16,277	17,748	19,219	19,505	19,505	144	455
67	20,210	7.89	2,562	10,322	11,793	13,263	14,734	16,205	17,676	19,147	20,210	149	466
69	20,915	8.00	2,613	8,761	10,232	11,703	13,173	14,644	16,115	17,586	19,057	153	478
71	21,620	8.11	2,664	7,182	8,653	10,124	11,595	13,066	14,537	16,008	17,479	157	489
73	22,325	8.22	2,716	n/a	7,058	8,529	10,000	11,470	12,941	14,412	15,883	162	500

Marvair Model Number **HVPA24HP** (Indoor Air = 800 CFM)

ARI Capacity = 23,500

ARI Watts = 2,135

Indoor Air = 800

WBDR = 0.149

Suction psig = 143.0

Discharge psig = 376

Marvair Model Number HVPA30HP (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)								Pressures (psig)	
				Indoor Dry Bulb (°F)								Suct.	Disch.
				72	74	76	78	80	82	84	86		
61	31,140	16.05	1,941	21,445	23,163	24,881	26,598	28,316	30,034	31,140	31,140	127	243
63	32,370	16.42	1,971	19,706	21,424	23,141	24,859	26,577	28,294	30,012	31,730	131	253
65	33,570	16.77	2,002	17,922	19,640	21,357	23,075	24,793	26,511	28,228	29,946	136	264
67	34,800	17.13	2,032	16,119	17,836	19,554	21,272	22,989	24,707	26,425	28,142	140	275
69	36,030	17.38	2,073	14,284	16,002	17,720	19,437	21,155	22,873	24,590	26,308	145	286
71	37,230	17.62	2,113	12,409	14,127	15,844	17,562	19,280	20,997	22,715	24,433	149	297
73	38,460	17.86	2,154	n/a	12,233	13,951	15,668	17,386	19,104	20,821	22,539	153	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	30,060	14.57	2,062	20,992	22,710	24,428	26,145	27,863	29,581	30,060	30,060	128	264
63	31,260	14.92	2,096	19,256	20,973	22,691	24,409	26,126	27,844	29,562	31,260	133	275
65	32,430	15.25	2,126	17,475	19,193	20,911	22,628	24,346	26,064	27,781	29,499	137	286
67	33,600	15.56	2,159	15,665	17,382	19,100	20,818	22,536	24,253	25,971	27,689	142	297
69	34,770	15.79	2,202	13,825	15,542	17,260	18,978	20,696	22,413	24,131	25,849	146	308
71	35,940	16.01	2,245	11,956	13,674	15,391	17,109	18,827	20,545	22,262	23,980	150	319
73	37,140	16.23	2,289	n/a	11,787	13,505	15,223	16,940	18,658	20,376	22,093	155	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	29,010	13.28	2,184	20,555	22,272	23,990	25,708	27,425	29,010	29,010	29,010	130	286
63	30,120	13.58	2,217	18,796	20,514	22,232	23,949	25,667	27,385	29,102	30,120	134	297
65	31,260	13.87	2,253	17,020	18,738	20,455	22,173	23,891	25,608	27,326	29,044	139	308
67	32,400	14.17	2,286	15,214	16,932	18,650	20,367	22,085	23,803	25,520	27,238	143	319
69	33,540	14.38	2,332	13,380	15,097	16,815	18,533	20,250	21,968	23,686	25,403	147	329
71	34,680	14.59	2,377	11,517	13,235	14,952	16,670	18,388	20,106	21,823	23,541	152	340
73	35,790	14.77	2,423	n/a	11,335	13,053	14,770	16,488	18,206	19,923	21,641	156	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	27,930	12.12	2,304	20,108	21,825	23,543	25,261	26,978	27,930	27,930	27,930	131	308
63	29,010	12.39	2,342	18,352	20,070	21,787	23,505	25,223	26,940	28,658	29,010	136	319
65	30,120	12.67	2,377	16,579	18,297	20,015	21,732	23,450	25,168	26,885	28,603	140	329
67	31,200	12.93	2,413	14,767	16,484	18,202	19,920	21,637	23,355	25,073	26,791	145	340
69	32,280	13.12	2,461	12,927	14,645	16,362	18,080	19,798	21,515	23,233	24,951	149	351
71	33,390	13.31	2,510	11,071	12,789	14,506	16,224	17,942	19,659	21,377	23,095	153	362
73	34,470	13.48	2,558	n/a	10,896	12,614	14,332	16,049	17,767	19,485	21,202	158	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	26,850	11.07	2,426	19,664	21,381	23,099	24,817	26,534	26,850	26,850	26,850	133	329
63	27,900	11.32	2,464	17,911	19,629	21,346	23,064	24,782	26,499	27,900	27,900	137	340
65	28,950	11.57	2,502	16,130	17,848	19,566	21,283	23,001	24,719	26,436	28,154	142	351
67	30,000	11.81	2,540	14,323	16,040	17,758	19,476	21,193	22,911	24,629	26,346	146	362
69	31,050	11.98	2,591	12,488	14,206	15,924	17,641	19,359	21,077	22,794	24,512	150	373
71	32,100	12.15	2,642	10,628	12,346	14,063	15,781	17,499	19,216	20,934	22,652	155	384
73	33,150	12.31	2,692	n/a	10,461	12,178	13,896	15,614	17,331	19,049	20,767	159	395

Marvair Model Number HVPA30HP (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)								Pressures (psig)	
				Indoor Dry Bulb (°F)								Suct.	Disch.
				72	74	76	78	80	82	84	86		
61	25,770	10.12	2,548	19,223	20,940	22,658	24,376	25,770	25,770	25,770	25,770	134	351
63	26,790	10.35	2,588	17,473	19,191	20,908	22,626	24,344	26,061	26,790	26,790	139	362
65	27,780	10.58	2,626	15,685	17,402	19,120	20,838	22,555	24,273	25,991	27,708	143	373
67	28,800	10.80	2,667	13,882	15,599	17,317	19,035	20,752	22,470	24,188	25,905	147	384
69	29,820	10.96	2,720	12,053	13,770	15,488	17,206	18,923	20,641	22,359	24,076	152	395
71	30,810	11.11	2,774	10,189	11,906	13,624	15,342	17,059	18,777	20,495	22,212	156	405
73	31,830	11.26	2,827	n/a	10,028	11,746	13,464	15,181	16,899	18,617	20,334	161	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	24,690	9.25	2,670	18,785	20,502	22,220	23,938	24,690	24,690	24,690	24,690	136	373
63	25,680	9.48	2,710	17,038	18,755	20,473	22,191	23,909	25,626	25,680	25,680	140	384
65	26,640	9.68	2,753	15,253	16,971	18,689	20,406	22,124	23,842	25,559	26,640	145	395
67	27,600	9.88	2,794	13,444	15,161	16,879	18,597	20,314	22,032	23,750	25,467	149	405
69	28,560	10.02	2,850	11,610	13,327	15,045	16,763	18,480	20,198	21,916	23,633	153	416
71	29,520	10.16	2,906	9,752	11,470	13,188	14,905	16,623	18,341	20,058	21,776	158	427
73	30,510	10.30	2,962	n/a	9,599	11,317	13,034	14,752	16,470	18,187	19,905	162	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	23,640	8.48	2,789	18,362	20,079	21,797	23,515	23,640	23,640	23,640	23,640	137	395
63	24,540	8.66	2,835	16,594	18,312	20,029	21,747	23,465	24,540	24,540	24,540	142	405
65	25,470	8.85	2,878	14,814	16,531	18,249	19,967	21,684	23,402	25,120	25,470	146	416
67	26,400	9.04	2,921	13,009	14,727	16,444	18,162	19,880	21,597	23,315	25,033	150	427
69	27,330	9.17	2,979	11,180	12,898	14,616	16,334	18,051	19,769	21,487	23,204	155	438
71	28,260	9.30	3,038	9,329	11,047	12,764	14,482	16,200	17,917	19,635	21,353	159	449
73	29,160	9.42	3,096	n/a	9,163	10,881	12,599	14,316	16,034	17,752	19,469	164	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	23,100	7.94	2,911	18,145	19,863	21,581	23,100	23,100	23,100	23,100	23,100	139	416
63	24,000	8.12	2,957	16,385	18,103	19,820	21,538	23,256	24,000	24,000	24,000	143	427
65	24,900	8.29	3,002	14,601	16,318	18,036	19,754	21,471	23,189	24,900	24,900	147	438
67	25,800	8.46	3,048	12,793	14,510	16,228	17,946	19,663	21,381	23,099	24,816	152	449
69	26,700	8.59	3,109	10,962	12,679	14,397	16,115	17,832	19,550	21,268	22,986	156	460
71	27,600	8.71	3,170	9,109	10,826	12,544	14,262	15,979	17,697	19,415	21,132	161	471
73	28,500	8.82	3,231	n/a	8,951	10,669	12,387	14,105	15,822	17,540	19,258	165	481

Marvair Model Number **HVPA30HP** (Indoor Air = 1000 CFM)

ARI Capacity = 30,000

ARI Watts = 2,540

Indoor Air = 1000

WBDR = 0.205

Suction psig = 146.0

Discharge psig = 362

Marvair Model Number HVPA36HP (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)								Pressures (psig)	
				Indoor Dry Bulb (°F)								Suct.	Disch.
				72	74	76	78	80	82	84	86		
61	37,368	15.21	2,456	26,219	28,369	30,518	32,667	34,817	37,368	37,368	37,368	124	243
63	38,844	15.57	2,495	24,044	26,193	28,343	30,492	32,641	34,791	36,940	38,844	128	254
65	40,284	15.90	2,533	21,815	23,964	26,114	28,263	30,413	32,562	34,711	36,861	132	265
67	41,760	16.24	2,572	19,563	21,712	23,862	26,011	28,160	30,310	32,459	34,608	136	276
69	43,236	16.48	2,623	17,273	19,423	21,572	23,721	25,871	28,020	30,169	32,319	141	287
71	44,676	16.70	2,675	14,935	17,084	19,234	21,383	23,532	25,682	27,831	29,980	145	298
73	46,152	16.93	2,726	n/a	14,724	16,873	19,022	21,172	23,321	25,470	27,620	149	309

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	36,072	13.82	2,611	25,676	27,825	29,974	32,124	34,273	36,072	36,072	36,072	125	265
63	37,512	14.14	2,652	23,503	25,653	27,802	29,951	32,101	34,250	36,399	37,512	129	276
65	38,916	14.46	2,691	21,279	23,428	25,578	27,727	29,876	32,026	34,175	36,324	133	287
67	40,320	14.75	2,733	19,018	21,167	23,317	25,466	27,616	29,765	31,914	34,064	138	298
69	41,724	14.97	2,787	16,722	18,871	21,021	23,170	25,319	27,469	29,618	31,768	142	309
71	43,128	15.17	2,842	14,391	16,541	18,690	20,840	22,989	25,138	27,288	29,437	146	319
73	44,568	15.39	2,897	n/a	14,189	16,338	18,488	20,637	22,786	24,936	27,085	151	330

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	34,812	12.59	2,765	25,150	27,300	29,449	31,599	33,748	34,812	34,812	34,812	126	287
63	36,144	12.88	2,807	22,952	25,101	27,251	29,400	31,550	33,699	35,848	36,144	131	298
65	37,512	13.15	2,852	20,732	22,882	25,031	27,181	29,330	31,479	33,629	35,778	135	309
67	38,880	13.44	2,894	18,477	20,627	22,776	24,925	27,075	29,224	31,374	33,523	139	319
69	40,248	13.64	2,951	16,188	18,337	20,487	22,636	24,785	26,935	29,084	31,233	143	330
71	41,616	13.83	3,009	13,865	16,014	18,163	20,313	22,462	24,611	26,761	28,910	148	341
73	42,948	14.00	3,067	n/a	13,646	15,796	17,945	20,094	22,244	24,393	26,542	152	352

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	33,516	11.49	2,916	24,614	26,763	28,913	31,062	33,212	33,516	33,516	33,516	128	309
63	34,812	11.74	2,964	22,419	24,569	26,718	28,867	31,017	33,166	34,812	34,812	132	319
65	36,144	12.01	3,009	20,204	22,353	24,502	26,652	28,801	30,951	33,100	35,249	136	330
67	37,440	12.26	3,054	17,940	20,090	22,239	24,389	26,538	28,687	30,837	32,986	141	341
69	38,736	12.43	3,115	15,645	17,794	19,943	22,093	24,242	26,391	28,541	30,690	145	352
71	40,068	12.61	3,176	13,329	15,479	17,628	19,777	21,927	24,076	26,225	28,375	149	363
73	41,364	12.78	3,238	n/a	13,120	15,269	17,418	19,568	21,717	23,866	26,016	153	374

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	32,220	10.49	3,070	24,081	26,231	28,380	30,529	32,220	32,220	32,220	32,220	129	330
63	33,480	10.74	3,119	21,890	24,039	26,189	28,338	30,487	32,637	33,480	33,480	133	341
65	34,740	10.97	3,167	19,665	21,814	23,964	26,113	28,262	30,412	32,561	34,711	138	352
67	36,000	11.20	3,215	17,407	19,557	21,706	23,856	26,005	28,154	30,304	32,453	142	363
69	37,260	11.36	3,279	15,118	17,267	19,417	21,566	23,716	25,865	28,014	30,164	146	374
71	38,520	11.52	3,344	12,798	14,947	17,097	19,246	21,395	23,545	25,694	27,843	151	385
73	39,780	11.67	3,408	n/a	12,597	14,746	16,895	19,045	21,194	23,344	25,493	155	396

Marvair Model Number HVPA36HP (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)								Pressures (psig)	
				Indoor Dry Bulb (°F)								Suct.	Disch.
				72	74	76	78	80	82	84	86		
61	30,924	9.59	3,225	23,552	25,701	27,851	30,000	30,924	30,924	30,924	30,924	131	352
63	32,148	9.81	3,276	21,364	23,514	25,663	27,812	29,962	32,111	32,148	32,148	135	363
65	33,336	10.03	3,324	19,130	21,279	23,429	25,578	27,727	29,877	32,026	33,336	139	374
67	34,560	10.24	3,376	16,878	19,028	21,177	23,326	25,476	27,625	29,774	31,924	143	385
69	35,784	10.39	3,443	14,595	16,745	18,894	21,044	23,193	25,342	27,492	29,641	148	396
71	36,972	10.53	3,511	12,270	14,420	16,569	18,718	20,868	23,017	25,166	27,316	152	407
73	38,196	10.67	3,578	n/a	12,078	14,227	16,377	18,526	20,675	22,825	24,974	156	417

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	29,628	8.77	3,379	23,027	25,176	27,325	29,475	29,628	29,628	29,628	29,628	132	374
63	30,816	8.98	3,430	20,842	22,991	25,141	27,290	29,440	30,816	30,816	30,816	136	385
65	31,968	9.17	3,485	18,612	20,762	22,911	25,060	27,210	29,359	31,509	31,968	141	396
67	33,120	9.37	3,537	16,353	18,502	20,651	22,801	24,950	27,100	29,249	31,398	145	407
69	34,272	9.50	3,607	14,064	16,213	18,363	20,512	22,661	24,811	26,960	29,109	149	417
71	35,424	9.63	3,678	11,747	13,896	16,045	18,195	20,344	22,494	24,643	26,792	153	428
73	36,612	9.77	3,749	n/a	11,563	13,712	15,862	18,011	20,160	22,310	24,459	158	439

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	28,368	8.04	3,530	22,519	24,668	26,818	28,368	28,368	28,368	28,368	28,368	133	396
63	29,448	8.21	3,588	20,310	22,459	24,608	26,758	28,907	29,448	29,448	29,448	138	407
65	30,564	8.39	3,643	18,085	20,234	22,384	24,533	26,682	28,832	30,564	30,564	142	417
67	31,680	8.57	3,697	15,831	17,980	20,130	22,279	24,428	26,578	28,727	30,877	146	428
69	32,796	8.70	3,771	13,549	15,698	17,848	19,997	22,146	24,296	26,445	28,594	151	439
71	33,912	8.82	3,845	11,239	13,388	15,538	17,687	19,836	21,986	24,135	26,285	155	450
73	34,992	8.93	3,919	n/a	11,040	13,189	15,339	17,488	19,637	21,787	23,936	159	461

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	27,720	7.52	3,684	22,259	24,409	26,558	27,720	27,720	27,720	27,720	27,720	135	417
63	28,800	7.70	3,742	20,059	22,208	24,357	26,507	28,656	28,800	28,800	28,800	139	428
65	29,880	7.86	3,800	17,829	19,979	22,128	24,277	26,427	28,576	29,880	29,880	143	439
67	30,960	8.02	3,858	15,572	17,721	19,870	22,020	24,169	26,318	28,468	30,617	148	450
69	32,040	8.14	3,935	13,286	15,436	17,585	19,734	21,884	24,033	26,183	28,332	152	461
71	33,120	8.25	4,012	10,974	13,124	15,273	17,423	19,572	21,721	23,871	26,020	156	472
73	34,200	8.36	4,089	n/a	10,786	12,935	15,085	17,234	19,383	21,533	23,682	160	483

Marvair Model Number **HVPA36HP** (Indoor Air = 1200 CFM)

ARI Capacity = 36,000

ARI Watts = 3,215

Indoor Air = 1200

WBDR = 0.171

Suction psig = 142.0

Discharge psig = 363

Marvair Model Number HVPA42HP (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)								Pressures (psig)	
				Indoor Dry Bulb (°F)								Suct.	Disch.
				72	74	76	78	80	82	84	86		
61	41,520	14.75	2,815	28,159	30,352	32,545	34,738	36,931	39,124	41,317	41,520	124	258
63	43,160	15.09	2,860	25,945	28,138	30,331	32,524	34,717	36,910	39,103	41,296	128	270
65	44,760	15.41	2,904	23,671	25,864	28,057	30,250	32,443	34,636	36,829	39,022	132	281
67	46,400	15.74	2,948	21,372	23,565	25,758	27,951	30,144	32,337	34,530	36,723	136	293
69	48,040	15.98	3,007	19,031	21,224	23,417	25,610	27,803	29,996	32,189	34,382	141	304
71	49,640	16.19	3,066	16,635	18,828	21,021	23,214	25,407	27,600	29,793	31,986	145	316
73	51,280	16.41	3,125	n/a	16,408	18,601	20,794	22,987	25,180	27,373	29,566	149	327

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	40,080	13.39	2,992	27,547	29,740	31,933	34,126	36,319	38,512	40,080	40,080	125	281
63	41,680	13.71	3,040	25,336	27,529	29,722	31,915	34,108	36,301	38,494	40,687	129	293
65	43,240	14.02	3,084	23,067	25,260	27,453	29,646	31,839	34,032	36,225	38,418	133	304
67	44,800	14.30	3,132	20,758	22,951	25,144	27,337	29,530	31,723	33,916	36,109	138	316
69	46,360	14.51	3,195	18,410	20,603	22,796	24,989	27,182	29,375	31,568	33,761	142	327
71	47,920	14.71	3,258	16,023	18,216	20,409	22,602	24,795	26,988	29,181	31,374	146	339
73	49,520	14.91	3,320	n/a	15,805	17,998	20,191	22,384	24,577	26,770	28,963	151	350

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	38,680	12.21	3,169	26,956	29,149	31,342	33,535	35,728	37,921	38,680	38,680	126	304
63	40,160	12.48	3,217	24,716	26,909	29,102	31,295	33,488	35,681	37,874	40,067	131	316
65	41,680	12.75	3,269	22,452	24,645	26,838	29,031	31,224	33,417	35,610	37,803	135	327
67	43,200	13.03	3,317	20,149	22,342	24,535	26,728	28,921	31,114	33,307	35,500	139	339
69	44,720	13.22	3,383	17,808	20,001	22,194	24,387	26,580	28,773	30,966	33,159	143	350
71	46,240	13.41	3,449	15,429	17,622	19,815	22,008	24,201	26,394	28,587	30,780	148	362
73	47,720	13.57	3,515	n/a	15,194	17,387	19,580	21,773	23,966	26,159	28,352	152	373

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	37,240	11.14	3,342	26,353	28,546	30,739	32,932	35,125	37,240	37,240	37,240	128	327
63	38,680	11.38	3,398	24,116	26,309	28,502	30,695	32,888	35,081	37,274	38,680	132	339
65	40,160	11.64	3,449	21,857	24,050	26,243	28,437	30,630	32,823	35,016	37,209	136	350
67	41,600	11.88	3,501	19,545	21,738	23,931	26,124	28,317	30,510	32,703	34,896	141	362
69	43,040	12.05	3,571	17,197	19,390	21,583	23,776	25,969	28,162	30,355	32,548	145	373
71	44,520	12.23	3,641	14,827	17,020	19,213	21,406	23,599	25,792	27,985	30,178	149	385
73	45,960	12.39	3,711	n/a	14,601	16,794	18,987	21,180	23,373	25,566	27,759	153	397

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	35,800	10.17	3,519	25,754	27,947	30,140	32,333	34,526	35,800	35,800	35,800	129	350
63	37,200	10.41	3,574	23,521	25,714	27,907	30,100	32,293	34,486	36,679	37,200	133	362
65	38,600	10.63	3,630	21,252	23,445	25,638	27,831	30,024	32,217	34,410	36,603	138	373
67	40,000	10.85	3,685	18,946	21,139	23,332	25,525	27,718	29,911	32,104	34,297	142	385
69	41,400	11.01	3,759	16,604	18,797	20,990	23,183	25,376	27,569	29,762	31,955	146	397
71	42,800	11.17	3,832	14,229	16,422	18,615	20,808	23,001	25,194	27,387	29,580	151	408
73	44,200	11.32	3,906	n/a	14,013	16,206	18,399	20,592	22,785	24,978	27,171	155	420

Marvair Model Number HVPA42HP (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)								Pressures (psig)	
				Indoor Dry Bulb (°F)								Suct.	Disch.
				72	74	76	78	80	82	84	86		
61	34,360	9.30	3,696	25,160	27,353	29,546	31,739	33,932	34,360	34,360	34,360	131	373
63	35,720	9.51	3,755	22,931	25,124	27,317	29,510	31,703	33,896	35,720	35,720	135	385
65	37,040	9.72	3,810	20,650	22,843	25,036	27,229	29,422	31,615	33,808	36,001	139	397
67	38,400	9.92	3,869	18,351	20,544	22,737	24,930	27,123	29,316	31,509	33,702	143	408
69	39,760	10.07	3,947	16,017	18,210	20,403	22,596	24,789	26,982	29,175	31,368	148	420
71	41,080	10.21	4,024	13,635	15,828	18,021	20,214	22,407	24,600	26,794	28,987	152	431
73	42,440	10.35	4,101	n/a	13,429	15,622	17,815	20,008	22,201	24,394	26,587	156	443

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	32,920	8.50	3,873	24,569	26,762	28,955	31,148	32,920	32,920	32,920	32,920	132	397
63	34,240	8.71	3,932	22,344	24,537	26,730	28,923	31,116	33,309	34,240	34,240	136	408
65	35,520	8.89	3,995	20,069	22,262	24,455	26,648	28,841	31,034	33,227	35,420	141	420
67	36,800	9.08	4,054	17,760	19,953	22,146	24,339	26,532	28,725	30,918	33,111	145	431
69	38,080	9.21	4,135	15,419	17,612	19,805	21,998	24,191	26,384	28,577	30,770	149	443
71	39,360	9.34	4,216	13,047	15,240	17,433	19,626	21,819	24,012	26,205	28,398	153	454
73	40,680	9.47	4,297	n/a	12,850	15,043	17,236	19,429	21,622	23,815	26,008	158	466

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	31,520	7.79	4,046	24,000	26,193	28,386	30,579	31,520	31,520	31,520	31,520	133	420
63	32,720	7.96	4,112	21,746	23,939	26,132	28,325	30,518	32,711	32,720	32,720	138	431
65	33,960	8.13	4,175	19,476	21,669	23,862	26,056	28,249	30,442	32,635	33,960	142	443
67	35,200	8.31	4,238	17,174	19,367	21,560	23,753	25,946	28,139	30,332	32,525	146	454
69	36,440	8.43	4,323	14,841	17,034	19,227	21,420	23,613	25,806	27,999	30,192	151	466
71	37,680	8.55	4,407	12,477	14,670	16,863	19,056	21,249	23,442	25,635	27,828	155	477
73	38,880	8.66	4,492	n/a	12,263	14,456	16,649	18,842	21,035	23,228	25,421	159	489

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	30,800	7.29	4,223	23,708	25,901	28,094	30,287	30,800	30,800	30,800	30,800	135	443
63	32,000	7.46	4,289	21,465	23,658	25,851	28,044	30,237	32,000	32,000	32,000	139	454
65	33,200	7.62	4,356	19,190	21,383	23,576	25,769	27,962	30,155	32,348	34,400	143	466
67	34,400	7.78	4,422	16,883	19,076	21,269	23,462	25,655	27,848	30,041	32,234	148	477
69	35,600	7.89	4,510	14,546	16,739	18,932	21,125	23,318	25,511	27,704	29,897	152	489
71	36,800	8.00	4,599	12,179	14,372	16,566	18,759	20,952	23,145	25,338	27,531	156	501
73	38,000	8.11	4,687	n/a	11,977	14,170	16,363	18,556	20,749	22,942	25,135	160	512

Marvair Model Number **HVPA42HP** (Indoor Air = 1200 CFM)

ARI Capacity = 40,000

ARI Watts = 3,685

Indoor Air = 1250

WBDR = 0.188

Suction psig = 142.0

Discharge psig = 385

Marvair Model Number HVPA49HP (Indoor Air = 1750 CFM)

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	51,900	16.71	3,106	36,546	39,571	42,596	45,621	48,645	51,670	51,900	51,900	131	250
63	53,950	17.10	3,154	33,477	36,502	39,527	42,552	45,577	48,602	51,626	53,950	135	261
65	55,950	17.47	3,203	30,335	33,360	36,385	39,409	42,434	45,459	48,484	51,509	140	272
67	58,000	17.84	3,252	27,160	30,184	33,209	36,234	39,259	42,284	45,309	48,333	144	283
69	60,050	18.10	3,317	23,932	26,957	29,982	33,007	36,032	39,057	42,082	45,106	149	295
71	62,050	18.35	3,382	20,638	23,662	26,687	29,712	32,737	35,762	38,787	41,811	153	306
73	64,100	18.60	3,447	n/a	20,337	23,362	26,386	29,411	32,436	35,461	38,486	158	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	50,100	15.18	3,301	35,798	38,823	41,848	44,872	47,897	50,100	50,100	50,100	132	272
63	52,100	15.54	3,354	32,734	35,759	38,783	41,808	44,833	47,858	50,883	52,100	137	283
65	54,050	15.89	3,402	29,597	32,622	35,647	38,672	41,697	44,721	47,746	50,771	141	295
67	56,000	16.21	3,455	26,410	29,435	32,460	35,485	38,510	41,535	44,559	47,584	146	306
69	57,950	16.44	3,524	23,174	26,199	29,224	32,249	35,274	38,299	41,323	44,348	150	317
71	59,900	16.67	3,593	19,891	22,915	25,940	28,965	31,990	35,015	38,040	41,064	155	328
73	61,900	16.90	3,663	n/a	19,602	22,626	25,651	28,676	31,701	34,726	37,751	159	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	48,350	13.83	3,496	35,075	38,100	41,125	44,150	47,174	48,350	48,350	48,350	134	295
63	50,200	14.15	3,549	31,975	35,000	38,025	41,050	44,074	47,099	50,124	50,200	138	306
65	52,100	14.45	3,606	28,845	31,870	34,895	37,920	40,945	43,970	46,994	50,019	143	317
67	54,000	14.76	3,659	25,666	28,691	31,716	34,741	37,766	40,791	43,815	46,840	147	328
69	55,900	14.98	3,732	22,440	25,464	28,489	31,514	34,539	37,564	40,589	43,613	152	339
71	57,800	15.19	3,805	19,166	22,191	25,216	28,240	31,265	34,290	37,315	40,340	156	351
73	59,650	15.38	3,878	n/a	18,855	21,880	24,905	27,930	30,955	33,979	37,004	161	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	46,550	12.63	3,687	34,336	37,361	40,386	43,411	46,436	46,550	46,550	46,550	135	317
63	48,350	12.90	3,748	31,241	34,266	37,291	40,316	43,341	46,366	48,350	48,350	140	328
65	50,200	13.19	3,805	28,118	31,142	34,167	37,192	40,217	43,242	46,267	49,291	144	339
67	52,000	13.47	3,862	24,927	27,952	30,977	34,002	37,027	40,052	43,077	46,101	149	351
69	53,800	13.66	3,939	21,692	24,717	27,742	30,766	33,791	36,816	39,841	42,866	153	362
71	55,650	13.86	4,016	18,429	21,454	24,479	27,504	30,529	33,553	36,578	39,603	158	373
73	57,450	14.03	4,093	n/a	18,131	21,156	24,180	27,205	30,230	33,255	36,280	162	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	44,750	11.53	3,882	33,602	36,627	39,652	42,677	44,750	44,750	44,750	44,750	137	339
63	46,500	11.79	3,943	30,512	33,537	36,562	39,587	42,612	45,637	46,500	46,500	141	351
65	48,250	12.05	4,004	27,376	30,400	33,425	36,450	39,475	42,500	45,525	48,250	146	362
67	50,000	12.30	4,065	24,194	27,218	30,243	33,268	36,293	39,318	42,343	45,367	150	373
69	51,750	12.48	4,146	20,967	23,992	27,017	30,042	33,067	36,091	39,116	42,141	155	384
71	53,500	12.65	4,228	17,698	20,723	23,747	26,772	29,797	32,822	35,847	38,872	159	395
73	55,250	12.82	4,309	n/a	17,411	20,436	23,461	26,486	29,511	32,535	35,560	164	407

Marvair Model Number HVPA49HP (Indoor Air = 1750 CFM)

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	42,950	10.53	4,077	32,873	35,898	38,923	41,948	42,950	42,950	42,950	42,950	138	362
63	44,650	10.78	4,142	29,788	32,813	35,838	38,863	41,887	44,650	44,650	44,650	143	373
65	46,300	11.02	4,203	26,639	29,664	32,688	35,713	38,738	41,763	44,788	46,300	147	384
67	48,000	11.25	4,268	23,465	26,489	29,514	32,539	35,564	38,589	41,614	44,638	152	395
69	49,700	11.42	4,354	20,247	23,272	26,297	29,322	32,347	35,372	38,396	41,421	156	407
71	51,350	11.57	4,439	16,971	19,996	23,021	26,046	29,071	32,096	35,120	38,145	161	418
73	53,050	11.73	4,524	n/a	16,697	19,722	22,746	25,771	28,796	31,821	34,846	165	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	41,150	9.63	4,272	32,149	35,174	38,198	41,150	41,150	41,150	41,150	41,150	140	384
63	42,800	9.87	4,337	29,068	32,093	35,118	38,143	41,168	42,800	42,800	42,800	144	395
65	44,400	10.08	4,406	25,925	28,950	31,975	35,000	38,025	41,050	44,074	44,400	149	407
67	46,000	10.29	4,472	22,741	25,765	28,790	31,815	34,840	37,865	40,890	43,914	153	418
69	47,600	10.44	4,561	19,515	22,540	25,565	28,590	31,614	34,639	37,664	40,689	158	429
71	49,200	10.58	4,650	16,250	19,275	22,300	25,325	28,349	31,374	34,399	37,424	162	440
73	50,850	10.73	4,740	n/a	15,987	19,012	22,037	25,062	28,087	31,112	34,136	167	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	39,400	8.83	4,463	31,449	34,474	37,498	39,400	39,400	39,400	39,400	39,400	141	407
63	40,900	9.02	4,537	28,334	31,359	34,384	37,409	40,434	40,900	40,900	40,900	146	418
65	42,450	9.22	4,606	25,198	28,223	31,248	34,273	37,297	40,322	42,450	42,450	150	429
67	44,000	9.41	4,675	22,021	25,046	28,071	31,096	34,121	37,146	40,170	43,195	155	440
69	45,550	9.55	4,768	18,805	21,830	24,855	27,880	30,904	33,929	36,954	39,979	159	451
71	47,100	9.69	4,862	15,550	18,575	21,600	24,625	27,650	30,675	33,699	36,724	164	463
73	48,600	9.81	4,955	n/a	15,267	18,292	21,317	24,341	27,366	30,391	33,416	168	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	38,500	8.26	4,658	31,090	34,115	37,140	38,500	38,500	38,500	38,500	38,500	143	429
63	40,000	8.45	4,732	27,988	31,013	34,038	37,063	40,000	40,000	40,000	40,000	147	440
65	41,500	8.64	4,805	24,846	27,870	30,895	33,920	36,945	39,970	41,500	41,500	152	451
67	43,000	8.82	4,878	21,664	24,688	27,713	30,738	33,763	36,788	39,813	42,837	156	463
69	44,500	8.94	4,976	18,443	21,468	24,493	27,518	30,543	33,568	36,592	39,617	161	474
71	46,000	9.07	5,073	15,186	18,211	21,235	24,260	27,285	30,310	33,335	36,360	165	485
73	47,500	9.19	5,171	n/a	14,917	17,941	20,966	23,991	27,016	30,041	33,066	170	496

Marvair Model Number **HVPA49HP** (Indoor Air = 1750 CFM)

ARI Capacity = 50,000

ARI Watts = 4,065

Indoor Air = 1750

WBDR = 0.2

Suction psig = 150.0

Discharge psig = 373

Marvair Model Number **HVPA60HP (Indoor Air = 1750 CFM)**

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	61,242	15.15	4,042	41,861	45,131	48,402	51,672	54,943	58,214	61,242	61,242	122	261
63	63,661	15.51	4,105	38,568	41,839	45,110	48,380	51,651	54,921	58,192	61,463	126	273
65	66,021	15.84	4,169	35,188	38,459	41,729	45,000	48,271	51,541	54,812	58,082	130	285
67	68,440	16.17	4,232	31,770	35,040	38,311	41,581	44,852	48,123	51,393	54,664	134	296
69	70,859	16.42	4,317	28,290	31,560	34,831	38,102	41,372	44,643	47,913	51,184	139	308
71	73,219	16.64	4,401	24,729	27,999	31,270	34,541	37,811	41,082	44,352	47,623	143	320
73	75,638	16.86	4,486	n/a	24,402	27,673	30,944	34,214	37,485	40,756	44,026	147	332

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	59,118	13.76	4,295	40,948	44,218	47,489	50,759	54,030	57,301	59,118	59,118	123	285
63	61,478	14.09	4,364	37,660	40,931	44,202	47,472	50,743	54,013	57,284	60,555	127	296
65	63,779	14.40	4,428	34,287	37,557	40,828	44,099	47,369	50,640	53,910	57,181	132	308
67	66,080	14.70	4,497	30,854	34,124	37,395	40,665	43,936	47,207	50,477	53,748	136	320
69	68,381	14.91	4,586	27,362	30,633	33,904	37,174	40,445	43,715	46,986	50,257	140	332
71	70,682	15.11	4,676	23,814	27,085	30,356	33,626	36,897	40,167	43,438	46,709	144	343
73	73,042	15.32	4,766	n/a	23,502	26,773	30,043	33,314	36,585	39,855	43,126	148	355

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	57,053	12.54	4,549	40,067	43,337	46,608	49,879	53,149	56,420	57,053	57,053	125	308
63	59,236	12.83	4,618	36,735	40,006	43,276	46,547	49,818	53,088	56,359	59,236	129	320
65	61,478	13.10	4,692	33,369	36,640	39,910	43,181	46,452	49,722	52,993	56,264	133	332
67	63,720	13.38	4,761	29,945	33,216	36,486	39,757	43,028	46,298	49,569	52,839	137	343
69	65,962	13.58	4,856	26,464	29,735	33,006	36,276	39,547	42,818	46,088	49,359	141	355
71	68,204	13.77	4,951	22,929	26,199	29,470	32,740	36,011	39,282	42,552	45,823	146	367
73	70,387	13.95	5,047	n/a	22,590	25,860	29,131	32,401	35,672	38,943	42,213	150	378

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	54,929	11.45	4,798	39,168	42,438	45,709	48,980	52,250	54,929	54,929	54,929	126	332
63	57,053	11.70	4,877	35,842	39,112	42,383	45,653	48,924	52,195	55,465	57,053	130	343
65	59,236	11.96	4,951	32,482	35,753	39,024	42,294	45,565	48,835	52,106	55,377	134	355
67	61,360	12.21	5,026	29,044	32,315	35,585	38,856	42,127	45,397	48,668	51,938	139	367
69	63,484	12.38	5,126	25,552	28,823	32,094	35,364	38,635	41,905	45,176	48,447	143	378
71	65,667	12.56	5,227	22,029	25,300	28,571	31,841	35,112	38,382	41,653	44,924	147	390
73	67,791	12.73	5,327	n/a	21,705	24,975	28,246	31,517	34,787	38,058	41,328	151	402

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	52,805	10.45	5,052	38,276	41,546	44,817	48,088	51,358	52,805	52,805	52,805	127	355
63	54,870	10.69	5,131	34,955	38,226	41,496	44,767	48,037	51,308	54,579	54,870	132	367
65	56,935	10.93	5,211	31,579	34,850	38,121	41,391	44,662	47,932	51,203	54,474	136	378
67	59,000	11.15	5,290	28,150	31,421	34,692	37,962	41,233	44,504	47,774	51,045	140	390
69	61,065	11.32	5,396	24,669	27,940	31,211	34,481	37,752	41,023	44,293	47,564	144	402
71	63,130	11.47	5,502	21,138	24,408	27,679	30,950	34,220	37,491	40,761	44,032	148	413
73	65,195	11.63	5,607	n/a	20,827	24,098	27,369	30,639	33,910	37,180	40,451	153	425

Marvair Model Number HVPA60HP (Indoor Air = 1750 CFM)

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	50,681	9.55	5,306	37,391	40,661	43,932	47,202	50,473	50,681	50,681	50,681	129	378
63	52,687	9.77	5,391	34,075	37,346	40,616	43,887	47,158	50,428	52,687	52,687	133	390
65	54,634	9.99	5,470	30,684	33,954	37,225	40,496	43,766	47,037	50,307	53,578	137	402
67	56,640	10.20	5,555	27,264	30,535	33,805	37,076	40,346	43,617	46,888	50,158	141	413
69	58,646	10.35	5,666	23,794	27,064	30,335	33,606	36,876	40,147	43,417	46,688	146	425
71	60,593	10.49	5,777	20,254	23,524	26,795	30,065	33,336	36,607	39,877	43,148	150	437
73	62,599	10.63	5,888	n/a	19,958	23,228	26,499	29,769	33,040	36,311	39,581	154	449

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	48,557	8.73	5,560	36,512	39,783	43,053	46,324	48,557	48,557	48,557	48,557	130	402
63	50,504	8.95	5,644	33,202	36,473	39,743	43,014	46,285	49,555	50,504	50,504	134	413
65	52,392	9.14	5,734	29,818	33,088	36,359	39,630	42,900	46,171	49,441	52,392	139	425
67	54,280	9.33	5,819	26,385	29,655	32,926	36,197	39,467	42,738	46,008	49,279	143	437
69	56,168	9.46	5,935	22,904	26,175	29,445	32,716	35,986	39,257	42,528	45,798	147	449
71	58,056	9.59	6,052	19,377	22,647	25,918	29,189	32,459	35,730	39,001	42,271	151	460
73	60,003	9.73	6,168	n/a	19,095	22,365	25,636	28,907	32,177	35,448	38,719	155	472

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	46,492	8.00	5,808	35,664	38,935	42,206	45,476	46,492	46,492	46,492	46,492	132	425
63	48,262	8.17	5,904	32,312	35,583	38,854	42,124	45,395	48,262	48,262	48,262	136	437
65	50,091	8.36	5,994	28,936	32,207	35,477	38,748	42,019	45,289	48,560	50,091	140	449
67	51,920	8.53	6,084	25,512	28,783	32,054	35,324	38,595	41,866	45,136	48,407	144	460
69	53,749	8.66	6,205	22,043	25,313	28,584	31,854	35,125	38,396	41,666	44,937	148	472
71	55,578	8.78	6,327	18,528	21,798	25,069	28,339	31,610	34,881	38,151	41,422	153	484
73	57,348	8.89	6,449	n/a	18,220	21,491	24,761	28,032	31,303	34,573	37,844	157	495

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	45,430	7.49	6,062	35,231	38,502	41,772	45,043	45,430	45,430	45,430	45,430	133	449
63	47,200	7.67	6,158	31,894	35,164	38,435	41,705	44,976	47,200	47,200	47,200	137	460
65	48,970	7.83	6,253	28,509	31,780	35,050	38,321	41,592	44,862	48,133	48,970	141	472
67	50,740	7.99	6,348	25,079	28,350	31,620	34,891	38,161	41,432	44,703	47,973	146	484
69	52,510	8.11	6,475	21,604	24,875	28,145	31,416	34,686	37,957	41,228	44,498	150	495
71	54,280	8.22	6,602	18,085	21,356	24,627	27,897	31,168	34,438	37,709	40,980	154	507
73	56,050	8.33	6,729	n/a	17,795	21,066	24,336	27,607	30,878	34,148	37,419	158	519

Marvair Model Number **HVPA60HP** (Indoor Air = 1750 CFM)

ARI Capacity = 59,000

ARI Watts = 5,290

Indoor Air = 1750

WBDR = 0.135

Suction psig = 140.0

Discharge psig = 390