

SpaceKeeper Vertical Heat Pumps Performance Data

(SKV)

Cooling Entering Air Temp. DB/WB 80.0/67.0 °F
 Heating Entering Air Temp. 70 °F
 Fluid Flow 2.0 Usqpm/ton Fluid Water

Unit Model	SKV008	SKV010	SKV012	SKV015	SKV018	SKV020	SKV024	SKV030	SKV036	SKV042	SKV048	SKV060
Air Flow (CFM)	280	320	400	500	600	700	800	1,000	1,200	1,400	1,600	2,000
Fluid Flow (gpm)	1.4	1.7	2	2.5	3	3.5	4	5	6	7	8	10
MCA/MOP @ 115V/1	8.7/20.0	9.2/20.0	11.8/20.0	na/na	na/na	na/na	na/na	na/na	na/na	na/na	na/na	na/na
MCA/MOP @ 208V/1	5.5/15.0	5.9/15.0	7.5/15.0	10.7/15.0	11.8/15.0	14.9/20.0	16.1/20.0	20.2/25.0	24.7/25.0	31.1/40.0	36.4/40.0	42.7/50.0
MCA/MOP @ 277V/1	4.3/15.0	4.6/15.0	5.9/15.0	8.4/15.0	9.3/15.0	11.7/20.0	12.7/20.0	15.9/20.0	19.4/25.0	na/na	na/na	na/na
MCA/MOP @ 208-230/3	na/na	na/na	na/na	na/na	na/na	9.9/20.0	10.6/20.0	13.0/20.0	15.8/20.0	19.6/25.0	23.6/30.0	27.3/40.0
MCA/MOP @ 460/3	na/na	na/na	na/na	na/na	na/na	4.5/15.0	4.8/15.0	5.9/15.0	7.2/15.0	8.9/15.0	10.7/15.0	12.4/15.0
MCA/MOP @ 575/3	na/na	na/na	na/na	na/na	na/na	na/na	na/na	na/na	5.7/15.0	7.1/15.0	8.5/15.0	9.9/15.0

80°F EWT	COOLING	Total Capacity (BTU/h)	9,156	10,203	13,058	16,369	18,494	19,991	24,812	29,586	35,332	43,350	52,740	59,703
		Sensible (BTU/h)	6,972	7,917	9,956	12,454	14,437	16,536	19,279	23,822	28,553	33,725	39,921	47,747
Total Power (W)	553	631	823	1,010	1,264	1,195	1,387	1,931	2,387	2,669	3,207	3,861		
LAT (DB/WB) (° F)	57.1/56.3	57.2/56.5	57.1/56.4	57.0/56.3	57.8/57.1	58.2/57.5	57.8/57.1	58.0/57.3	58.1/57.4	57.8/57.1	57.0/56.3	58.0/57.3		
Operating EER	16.3	15.9	15.5	15.7	14.0	16.4	17.5	14.8	14.3	15.8	15.9	14.9		
HEATING	Total Capacity (BTU/h)	2,161	2,526	2,934	3,458	3,932	5,272	5,833	6,864	7,796	9,852	10,837	12,630	
	Total Power (W)	50	55	85	145	220	120	160	290	375	365	525	650	
	Leaving Air Temp. (° F)	77.1	77.3	76.8	76.4	76.0	76.9	76.7	76.3	76.0	76.5	76.2	75.8	
	Leaving Water Temp. (° F)	76.9	77.0	77.1	77.2	77.4	77.0	77.1	77.3	77.4	77.2	77.3	77.5	

85°F EWT	COOLING	Total Capacity (BTU/h)	8,666	9,686	12,398	15,418	17,199	19,025	23,562	27,763	33,011	40,840	49,390	55,825
		Sensible (BTU/h)	6,740	7,515	9,595	11,872	13,583	15,688	18,598	22,674	27,075	32,238	37,833	45,214
Total Power (W)	586	664	865	1,067	1,325	1,283	1,477	2,044	2,525	2,820	3,384	4,075		
LAT (DB/WB) (° F)	57.3/56.6	57.8/57.1	57.2/56.5	57.2/56.5	58.0/57.3	58.8/58.1	57.9/57.2	58.2/57.5	58.2/57.5	58.0/57.3	57.2/56.5	58.1/57.4		
Operating EER	14.8	14.6	14.3	14.4	13.0	14.8	16.0	13.6	13.1	14.5	14.6	13.7		
HEATING	Total Capacity (BTU/h)	3,241	3,789	4,400	5,187	5,898	7,908	8,749	10,296	11,693	14,777	16,255	18,945	
	Total Power (W)	50	55	85	145	220	120	160	290	375	365	525	650	
	Leaving Air Temp. (° F)	80.7	80.9	80.1	79.6	79.1	80.4	80.1	79.5	79.0	79.7	79.4	78.7	
	Leaving Water Temp. (° F)	80.4	80.5	80.6	80.9	81.1	80.5	80.6	80.9	81.1	80.8	80.9	81.2	

90°F EWT	COOLING	Total Capacity (BTU/h)	8,346	9,348	12,012	14,966	16,641	18,452	22,845	26,905	31,932	39,545	47,790	54,122
		Sensible (BTU/h)	6,545	7,449	9,330	11,547	13,475	15,577	18,459	22,033	26,297	31,987	36,764	43,935
Total Power (W)	619	698	907	1,126	1,385	1,377	1,572	2,166	2,672	2,981	3,575	4,304		
LAT (DB/WB) (° F)	57.9/57.2	58.0/57.3	57.8/57.1	57.8/57.1	58.2/57.4	59.0/58.3	58.1/57.4	58.8/58.1	58.8/58.1	58.1/57.4	57.8/57.1	58.7/58.0		
Operating EER	13.5	13.4	13.2	13.3	12.0	13.4	14.5	12.4	12.0	13.3	13.4	12.6		
HEATING	Total Capacity (BTU/h)	4,321	5,052	5,867	6,916	7,864	10,544	11,665	13,728	15,591	19,703	21,674	25,260	
	Total Power (W)	50	55	85	145	220	120	160	290	375	365	525	650	
	Leaving Air Temp. (° F)	84.2	84.6	83.5	82.7	82.1	83.9	83.4	82.7	82.0	83.0	82.5	81.6	
	Leaving Water Temp. (° F)	83.8	84.1	84.1	84.5	84.8	84.0	84.2	84.5	84.8	84.4	84.6	84.9	

100°F EWT	COOLING	Total Capacity (BTU/h)	7,707	8,656	11,176	14,041	15,498	17,259	21,371	25,106	29,666	36,884	44,473	50,587
		Sensible (BTU/h)	6,288	7,163	9,168	11,368	12,969	14,952	17,794	21,684	25,858	30,807	36,121	43,249
Total Power (W)	685	768	995	1,255	1,508	1,587	1,785	2,437	3,000	3,337	4,008	4,816		
LAT (DB/WB) (° F)	58.7/58.0	58.8/58.1	58.2/57.5	58.1/57.4	58.9/58.2	59.8/59.1	58.9/58.2	59.1/58.4	59.2/58.5	58.9/58.2	58.2/57.5	59.1/58.3		
Operating EER	11.3	11.3	11.2	11.2	10.3	10.9	12.0	10.3	9.9	11.1	11.1	10.5		
HEATING	Total Capacity (BTU/h)	6,482	7,579	8,801	10,373	11,796	15,816	17,498	20,591	23,387	29,555	32,510	37,891	
	Total Power (W)	50	55	85	145	220	120	160	290	375	365	525	650	
	Leaving Air Temp. (° F)	91.3	91.8	90.3	89.1	88.1	90.8	90.2	89.0	88.0	89.5	88.7	87.5	
	Leaving Water Temp. (° F)	90.7	91.1	91.2	91.7	92.1	91.0	91.3	91.8	92.2	91.6	91.9	92.4	

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SpaceKeeper Vertical Heat Pumps Performance Data

(SKV)

Cooling Entering Air Temp. DB/WB

80.0/67.0

 °F
 Heating Entering Air Temp.

70

 °F
 Fluid Flow

2.0

 Usgpm/ton Fluid

Water

Unit Model	SKV008	SKV010	SKV012	SKV015	SKV018	SKV020	SKV024	SKV030	SKV036	SKV042	SKV048	SKV060
Air Flow (CFM)	280	320	400	500	600	700	800	1,000	1,200	1,400	1,600	2,000
Fluid Flow (gpm)	1.4	1.7	2	2.5	3	3.5	4	5	6	7	8	10
MCA/MOP @ 115V/1	8.7/20.0	9.2/20.0	11.8/20.0	na/na	na/na	na/na	na/na	na/na	na/na	na/na	na/na	na/na
MCA/MOP @ 208V/1	5.5/15.0	5.9/15.0	7.5/15.0	10.7/15.0	11.8/15.0	14.9/20.0	16.1/20.0	20.2/25.0	24.7/25.0	31.1/40.0	36.4/40.0	42.7/50.0
MCA/MOP @ 277V/1	4.3/15.0	4.6/15.0	5.9/15.0	8.4/15.0	9.3/15.0	11.7/20.0	12.7/20.0	15.9/20.0	19.4/25.0	na/na	na/na	na/na
MCA/MOP @ 208-230/3	na/na	na/na	na/na	na/na	na/na	9.9/20.0	10.6/20.0	13.0/20.0	15.8/20.0	19.6/25.0	23.6/30.0	27.3/40.0
MCA/MOP @ 460/3	na/na	na/na	na/na	na/na	na/na	4.5/15.0	4.8/15.0	5.9/15.0	7.2/15.0	8.9/15.0	10.7/15.0	12.4/15.0
MCA/MOP @ 575/3	na/na	na/na	na/na	na/na	na/na	na/na	na/na	na/na	5.7/15.0	7.1/15.0	8.5/15.0	9.9/15.0

105°F EWT	COOLING	Total Capacity (BTU/h)	7,388	8,305	10,720	13,551	14,914	16,638	20,613	24,152	28,471	35,519	42,752	48,746
		Sensible (BTU/h)	6,227	7,095	8,890	11,036	12,856	14,832	17,647	20,938	24,952	30,542	35,028	41,769
Total Power (W)	718	803	1,041	1,327	1,571	1,705	1,903	2,590	3,186	3,534	4,255	5,103		
LAT (DB/WB) (°F)	58.9/58.2	59.0/58.3	58.9/58.1	58.7/58.0	59.1/58.4	59.9/59.2	59.0/58.3	59.8/59.1	59.9/59.2	59.1/58.4	58.8/58.1	59.7/59.0		
Operating EER	10.3	10.3	10.3	10.2	9.5	9.8	10.8	9.3	8.9	10.1	10.0	9.6		
HEATING	Total Capacity (BTU/h)	7,562	8,842	10,268	12,102	13,762	18,452	20,414	24,023	27,285	34,481	37,929	44,206	
	Total Power (W)	50	55	85	145	220	120	160	290	375	365	525	650	
	Leaving Air Temp. (°F)	94.9	95.5	93.7	92.3	91.1	94.3	93.5	92.1	91.0	92.7	91.8	90.4	
	Leaving Water Temp. (°F)	94.2	94.6	94.7	95.3	95.8	94.5	94.8	95.4	95.9	95.1	95.5	96.2	

110°F EWT	COOLING	Total Capacity (BTU/h)	7,070	7,954	10,233	13,030	14,324	15,999	19,838	23,156	27,230	34,135	40,987	46,848
		Sensible (BTU/h)	6,165	6,847	8,796	10,935	12,404	14,708	17,048	20,745	24,711	29,488	34,686	41,401
Total Power (W)	751	839	1,090	1,404	1,633	1,834	2,030	2,756	3,387	3,747	4,523	5,415		
LAT (DB/WB) (°F)	59.1/58.4	59.7/59.0	59.1/58.4	58.9/58.2	59.8/59.1	60.1/59.4	59.7/59.0	60.0/59.3	60.0/59.3	59.8/59.1	59.0/58.3	59.9/59.2		
Operating EER	9.4	9.5	9.4	9.3	8.8	8.7	9.8	8.4	8.0	9.1	9.1	8.7		
HEATING	Total Capacity (BTU/h)	8,642	10,105	11,734	13,831	15,728	21,088	23,330	27,455	31,182	39,406	43,347	50,521	
	Total Power (W)	50	55	85	145	220	120	160	290	375	365	525	650	
	Leaving Air Temp. (°F)	98.4	99.1	97.0	95.5	94.2	97.8	96.9	95.3	93.9	95.9	95.0	93.3	
	Leaving Water Temp. (°F)	97.7	98.1	98.3	98.9	99.5	97.9	98.3	99.0	99.6	98.7	99.2	99.9	

120°F EWT	COOLING	Total Capacity (BTU/h)	6,434	7,257	9,159	11,860	13,125	14,666	18,232	21,011	24,595	31,307	37,312	42,864
		Sensible (BTU/h)	5,884	6,712	8,363	10,427	12,172	14,118	16,736	19,855	23,631	28,939	33,075	40,629
Total Power (W)	818	913	1,197	1,578	1,759	2,129	2,309	3,130	3,846	4,223	5,137	6,119		
LAT (DB/WB) (°F)	60.1/59.4	60.1/59.4	60.1/59.4	59.9/59.2	60.2/59.5	60.9/60.2	60.1/59.4	60.8/60.1	60.9/60.2	60.1/59.4	59.9/59.2	60.3/59.6		
Operating EER	7.9	7.9	7.6	7.5	7.5	6.9	7.9	6.7	6.4	7.4	7.3	7.0		
HEATING	Total Capacity (BTU/h)	10,803	12,631	14,668	17,289	19,660	26,360	29,163	34,319	38,978	49,258	54,184	63,151	
	Total Power (W)	50	55	85	145	220	120	160	290	375	365	525	650	
	Leaving Air Temp. (°F)	105.6	106.4	103.8	101.9	100.2	104.7	103.6	101.6	99.9	102.4	101.2	99.1	
	Leaving Water Temp. (°F)	104.6	105.1	105.3	106.2	106.9	104.9	105.4	106.3	107.0	105.9	106.5	107.4	

*Net Capacities - Not adjusted for ISO corrections