



180618

SpaceKeeper Horizontal Heat Pumps Performance Data

(SKH)

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

		ECM										Belt Driven Fan				
Unit Model		SKH008	SKH010	SKH012	SKH015	SKH018	SKH020	SKH024	SKH030	SKH036	SKH042	SKH048	SKH060	SKH070	SKH080	SKH100
Air Flow (CFM)		280	320	400	500	600	700	800	1,000	1,200	1,400	1,600	2,000	2,400	2,800	3,400
Fluid Flow (gpm)		1.4	1.7	2	2.5	3	3.5	4	5	6	7	8	10	12	14	16
MCA/MOP @ 115V/1		8.8/20.0	9.9/20.0	11.6/20.0	na/na	na/na	na/na	na/na	na/na	na/na	na/na	na/na	na/na	na/na	na/na	na/na
MCA/MOP @ 208V/1		5.6/15.0	6.3/15.0	7.4/15.0	11.9/15.0	13.9/15.0	15.3/20.0	17.5/20.0	20.2/25.0	25.0/25.0	31.3/40.0	36.4/40.0	43.5/50.0	na/na	na/na	na/na
MCA/MOP @ 277V/1		4.4/15.0	4.9/15.0	5.8/15.0	9.4/15.0	10.9/15.0	12.0/20.0	13.7/20.0	15.9/20.0	19.6/25.0	na/na	na/na	na/na	na/na	na/na	na/na
MCA/MOP @ 208-230/3		na/na	na/na	na/na	na/na	na/na	10.1/20.0	11.4/20.0	13.0/20.0	16.0/20.0	19.7/20.0	23.6/25.0	27.8/30.0	29.7/40.0	33.7/40.0	42.1/50.0
MCA/MOP @ 460/3		na/na	na/na	na/na	na/na	na/na	4.6/15.0	5.2/15.0	5.9/15.0	7.2/15.0	8.9/15.0	10.7/15.0	12.6/15.0	13.5/20.0	15.3/20.0	19.1/25.0
MCA/MOP @ 575/3		na/na	na/na	na/na	na/na	na/na	na/na	na/na	na/na	5.8/15.0	7.1/15.0	8.5/15.0	10.0/15.0	10.8/20.0	12.2/20.0	15.2/20.0

80°F EWT	COOLING	Total Capacity (BTU/h)	9,190	10,256	12,822	15,887	18,151	19,513	24,502	30,128	36,436	44,896	51,696	61,789	74,693	85,455	102,088
		Sensible (BTU/h)	6,979	7,928	9,910	12,360	14,371	16,111	19,219	23,927	28,767	34,689	39,719	48,151	57,887	67,208	81,284
Total Power (W)	566	644	823	1,033	1,284	1,214	1,495	1,934	2,421	2,672	3,203	3,876	4,569	5,542	7,222		
LAT (DB/WB) (°F)	57.0/56.3	57.2/56.5	57.2/56.5	57.2/56.5	57.9/57.2	58.8/58.1	57.9/57.2	57.9/57.2	57.9/57.2	57.2/56.5	57.1/56.4	57.8/57.1	57.8/57.1	57.9/57.2	58.0/57.3		
Operating EER	16.0	15.6	15.2	14.9	13.6	15.7	16.0	15.1	14.5	16.3	15.6	15.4	15.6	14.6	13.3		
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	18,263	20,470	23,329	
	Total Power (W)	50	55	85	145	220	120	160	290	375	365	525	650	978	1,270	1,823	
	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	77.0	76.7	76.3	
	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	77.0	77.1	77.1	

85°F EWT	COOLING	Total Capacity (BTU/h)	8,695	9,730	12,169	14,945	16,855	18,552	23,232	28,292	34,082	42,347	48,373	57,855	69,303	78,775	93,251
		Sensible (BTU/h)	6,746	7,523	9,361	11,543	13,516	15,596	18,534	22,776	27,283	32,530	36,877	45,607	54,161	62,431	74,576
Total Power (W)	599	678	864	1,090	1,344	1,303	1,589	2,047	2,561	2,823	3,381	4,090	4,809	5,794	7,510		
LAT (DB/WB) (°F)	57.2/56.5	57.8/57.1	57.8/57.1	57.8/57.1	58.1/57.4	58.9/58.2	58.0/57.3	58.1/57.4	58.1/57.4	57.8/57.1	57.7/57.0	58.0/57.3	57.9/57.2	58.0/57.3	58.1/57.4		
Operating EER	14.5	14.4	14.1	13.7	12.5	14.2	14.6	13.8	13.3	15.0	14.3	14.1	14.4	13.6	12.4		
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	27,395	30,705	34,994	
	Total Power (W)	50	55	85	145	220	120	160	290	375	365	525	650	978	1,270	1,823	
	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	80.5	80.1	79.5	
	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	80.4	80.6	80.6	

90°F EWT	COOLING	Total Capacity (BTU/h)	8,371	9,383	11,789	14,499	16,297	17,984	22,491	27,422	32,970	41,012	46,800	56,096	67,209	76,379	90,522
		Sensible (BTU/h)	6,550	7,456	9,287	11,457	13,408	15,486	18,391	22,608	27,067	32,271	36,572	45,266	53,755	61,967	74,047
Total Power (W)	632	713	906	1,151	1,405	1,398	1,688	2,168	2,709	2,984	3,572	4,319	5,064	6,060	7,819		
LAT (DB/WB) (°F)	57.9/57.2	58.0/57.3	57.9/57.2	58.0/57.3	58.3/57.6	59.1/58.4	58.2/57.5	58.3/57.6	58.2/57.5	57.9/57.2	57.9/57.2	58.1/57.4	58.1/57.4	58.2/57.5	58.2/57.5		
Operating EER	13.2	13.2	13.0	12.6	11.6	12.9	13.3	12.6	12.2	13.7	13.1	13.0	13.3	12.6	11.6		
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	36,526	40,940	46,659	
	Total Power (W)	50	55	85	145	220	120	160	290	375	365	525	650	978	1,270	1,823	
	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	84.0	83.5	82.6	
	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	83.9	84.2	84.2	

100°F EWT	COOLING	Total Capacity (BTU/h)	7,723	8,676	10,968	13,579	15,153	16,802	20,959	25,597	30,634	38,270	43,535	52,450	62,900	71,444	84,809
		Sensible (BTU/h)	6,291	7,167	8,938	11,041	12,902	14,864	17,714	21,779	26,045	31,075	35,180	43,611	51,781	59,682	71,326
Total Power (W)	699	783	993	1,283	1,528	1,612	1,904	2,439	3,043	3,339	4,006	4,831	5,619	6,642	8,504		
LAT (DB/WB) (°F)	58.7/58.0	58.8/58.1	58.7/58.0	58.7/58.0	59.0/58.3	59.9/59.2	59.0/58.3	59.0/58.3	59.0/58.3	58.7/58.0	58.7/58.0	58.9/58.2	58.8/58.1	58.9/58.2	59.0/58.3		
Operating EER	11.0	11.1	11.0	10.6	9.9	10.4	11.0	10.5	10.1	11.5	10.9	10.9	11.2	10.8	10.0		
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	54,789	61,410	69,988	
	Total Power (W)	50	55	85	145	220	120	160	290	375	365	525	650	978	1,270	1,823	
	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	91.0	90.2	89.0	
	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	90.9	91.2	91.3	



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 Fluid Flow 2.0 Usqpm/ton Fluid Water

Unit Model	Air Flow (CFM) Fluid Flow (gpm)	ECM										Belt Driven Fan			
		SKH008	SKH010	SKH012	SKH015	SKH018	SKH020	SKH024	SKH030	SKH036	SKH042	SKH048	SKH060	SKH070	SKH080
MCA/MOP @ 115V/1	280 1.4	320 1.7	400 2	500 2.5	600 3	700 3.5	800 4	1,000 5	1,200 6	1,400 7	1,600 8	2,000 10	2,400 12	2,800 14	3,400 16
MCA/MOP @ 208V/1	8.8/20.0	9.9/20.0	11.6/20.0	na/na	na/na	na/na	na/na	na/na	na/na	na/na	na/na	na/na	na/na	na/na	na/na
MCA/MOP @ 277V/1	5.6/15.0	6.3/15.0	7.4/15.0	11.9/15.0	13.9/15.0	15.3/20.0	17.5/20.0	20.2/25.0	25.0/25.0	31.3/40.0	36.4/40.0	43.5/50.0	na/na	na/na	na/na
MCA/MOP @ 208-230/3	4.4/15.0	4.9/15.0	5.8/15.0	9.4/15.0	10.9/15.0	12.0/20.0	13.7/20.0	15.9/20.0	19.6/25.0	na/na	na/na	na/na	na/na	na/na	na/na
MCA/MOP @ 460/3	na/na	na/na	na/na	na/na	na/na	10.1/20.0	11.4/20.0	13.0/20.0	16.0/20.0	19.7/20.0	23.6/25.0	27.8/30.0	29.7/40.0	33.7/40.0	42.1/50.0
MCA/MOP @ 575/3	na/na	na/na	na/na	na/na	na/na	4.6/15.0	5.2/15.0	5.9/15.0	7.2/15.0	8.9/15.0	10.7/15.0	12.6/15.0	13.5/20.0	15.3/20.0	19.1/25.0

105°F EWT	COOLING	Total Capacity (BTU/h)	7,399	8,318	10,519	13,086	14,570	16,187	20,165	24,632	29,403	36,864	41,840	50,554	60,668	68,887	81,833
		Sensible (BTU/h)	6,229	7,098	8,851	10,945	12,452	14,744	17,560	21,031	25,133	30,803	34,851	43,243	51,349	59,186	70,749
Total Power (W)	733	819	1,039	1,356	1,590	1,733	2,024	2,591	3,230	3,537	4,253	5,117	5,923	6,960	8,886		
LAT (DB/WB) (°F)	58.9/58.2	59.0/58.3	58.9/58.2	58.9/58.2	59.7/59.0	60.0/59.3	59.1/58.4	59.7/59.0	59.7/59.0	58.9/58.2	58.9/58.2	59.1/58.4	59.0/58.3	59.1/58.4	59.1/58.4		
Operating EER	10.1	10.2	10.1	9.6	9.2	9.3	10.0	9.5	9.1	10.4	9.8	9.9	10.2	9.9	9.2		
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	63,921	71,645	81,653	
	Total Power (W)	50	55	85	145	220	120	160	290	375	365	525	650	978	1,270	1,823	
	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	94.5	93.6	92.1	
	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	94.3	94.8	94.8	

110°F EWT	COOLING	Total Capacity (BTU/h)	7,076	7,961	10,042	12,559	13,980	15,554	19,351	23,624	28,125	35,437	40,100	48,602	58,375	66,258	78,781
		Sensible (BTU/h)	6,166	6,849	8,759	10,843	12,338	14,622	16,953	20,835	24,885	30,526	34,514	41,741	50,904	57,104	68,248
Total Power (W)	766	856	1,087	1,436	1,652	1,864	2,152	2,757	3,434	3,750	4,522	5,428	6,245	7,297	9,297		
LAT (DB/WB) (°F)	59.1/58.4	59.7/59.0	59.2/58.5	59.1/58.4	59.9/59.2	60.2/59.5	59.8/59.1	59.9/59.2	59.9/59.2	59.1/58.4	59.1/58.4	59.7/59.0	59.2/58.5	59.8/59.1	59.8/59.1		
Operating EER	9.2	9.3	9.2	8.7	8.5	8.3	9.0	8.6	8.2	9.5	8.9	9.0	9.3	9.1	8.5		
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	73,052	81,880	93,317	
	Total Power (W)	50	55	85	145	220	120	160	290	375	365	525	650	978	1,270	1,823	
	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	98.1	97.0	95.3	
	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	97.8	98.3	98.3	

120°F EWT	COOLING	Total Capacity (BTU/h)	6,430	7,255	8,986	11,368	12,784	14,234	17,657	21,459	25,413	32,524	36,476	44,511	53,572	60,751	72,464
		Sensible (BTU/h)	5,884	6,712	8,329	10,332	12,106	14,034	16,625	19,941	23,790	29,175	32,913	40,948	48,625	56,037	67,024
Total Power (W)	834	931	1,193	1,616	1,778	2,164	2,440	3,130	3,898	4,226	5,137	6,130	6,950	8,036	10,217		
LAT (DB/WB) (°F)	60.1/59.4	60.1/59.4	60.1/59.4	60.0/59.3	60.3/59.6	61.0/60.3	60.2/59.5	60.7/60.0	60.7/60.0	60.0/59.3	60.0/59.3	60.1/59.4	60.0/59.3	60.1/59.4	60.2/59.4		
Operating EER	7.7	7.8	7.5	7.0	7.2	6.6	7.2	6.9	6.5	7.7	7.1	7.3	7.7	7.6	7.1		
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	91,315	102,350	116,647	
	Total Power (W)	50	55	85	145	220	120	160	290	375	365	525	650	978	1,270	1,823	
	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	105.1	103.7	101.6	
	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	104.8	105.4	105.4	

*Net Capacities - Not adjusted for ISO corrections