

HAFEZ ENGINEERING INDUSTRIES

MEMBER OF AL-HAFEZ GROUP



Manufacturers



Air Handling unit – Water chillers – Cooling towers – Fan coils – Central A/C units

Specification HKM

8mm FIN SPACING															NOMINAL 3FPI	
MODEL	CAPACITY (Dew point evap. Temp . -8°C) *						AIR VOLUME			COIL DATA						
	R22		R134a		R404A				total surface		Int. vol. dm ³	approx. ref. charge kg	CONNECTIONS		approx. dry weight kg	
	kw	kcal/h	kw	kcal/h	kw	kcal/h			ft ²	m ²			INLET	OUTLET		
	8k	8k	8k	8k	8k	8k	cfm	m ³ /s								
dt1	dt1	dt1	dt1	dt1	dt1											
HKS 50-8	6.14	5280	5.47	4704	6.18	5314	1971	0.93	208	21.28	6.70	2.3	1/2"	1 1/8"	84	
HKS 60-8	7.64	6570	6.91	5934	7.90	6794	2204	1.04	308	31.92	9.50	3.2	1/2"	1 1/8"	110	
HKS 80-8	9.3	7998	8.39	7215	9.37	8058	4090	1.93	277	27.67	8.35	2.9	1/2"	1 1/8"	127	
HKS 95-8	12.00	10320	10.95	9417	12.36	10629	3941	1.86	415	41.50	12.53	4.3	5/8"	1 1/8"	136	
HKS 115-8	14.33	12323	13.03	11205	14.54	12504	6124	2.89	416	42.57	12.24	4.2	5/8"	1 3/8"	167	
HKS140-8	18.52	15927	17.00	14620	19.09	16417	5912	2.79	623	63.85	18.36	6.3	7/8"	1 3/8"	191	
HKS 175-8	21.11	19874	20.39	17535	23.77	20442	7629	3.60	739	76.62	21.60	7.4	7/8"	1 3/8"	214	

6mm FIN SPACING															NOMINAL 3FPI	
MODEL	CAPACITY (Dew point evap. Temp . -8°C) *						AIR VOLUME			COIL DATA						
	R22		R134a		R404A				total surface		Int. vol. dm ³	approx. ref. charge kg	CONNECTIONS		approx. dry weight kg	
	kw	kcal/h	kw	kcal/h	kw	kcal/h			ft ²	m ²			INLET	OUTLET		
	8k	8k	8k	8k	8k	8k	cfm	m ³ /s								
dt1	dt1	dt1	dt1	dt1	dt1											
HKS 50-6	6.71	5770	5.67	5048	6.78	5830	1928	0.91	270	27.54	6.70	2.3	1/2"	1 1/8"	83	
HKS 60-6	8.52	7327	7.56	6502	8.64	7430	2140	1.01	399	41.31	9.50	3.2	1/2"	1 1/8"	109	
HKS 80-6	10.39	8935	9.10	7828	10.49	9021	4026	1.90	539	35.80	8.35	2.9	1/2"	1 1/8"	126	
HKS 95-6	13.20	11352	11.85	10191	13.58	11678	3857	1.82	539	53.70	12.53	4.3	5/8"	1 1/8"	135	
HKS 115-6	16.10	13848	14.15	12169	16.19	13923	6039	2.85	539	55.08	12.24	4.2	5/8"	1 3/8"	166	
HKS 140-6	20.39	17535	18.43	15850	20.75	17853	5785	2.73	809	82.63	18.36	6.3	7/8"	1 3/8"	190	
HKS 175-6	25.77	22162	23.85	20511	26.55	22833	7374	3.48	959	99.15	21.60	7.4	7/8"	1 3/8"	212	

5mm FIN SPACING																NOMINAL 3FPI	
MODEL	CAPACITY (Dew point evap. Temp . -8°C) *						AIR VOLUME			COIL DATA							
	R22		R134a		R404A				total surface		Int. vol. dm ³	approx ref. charge kg	CONNECTIONS		approx. dry weight kg		
	kw	kcal/h	kw	kcal/h	kw	kcal/h			ft ²	m ²			INLET	OUTLET			
	8k	8k	8k	8k	8k	8k	cfm	m ³ /s									
dt1	dt1	dt1	dt1	dt1	dt1												
HKS 50-5	7.30	6278	6.74	5798	7.82	8553	1865	0.88	319	32.64	6.7	2.3	1/2"	1 ¹ / ₈ "	85		
HKS 60-5	8.94	7688	8.53	7335	9.38	8049	2077	0.98	473	48.82	9.5	3.2	5/8"	1 ¹ / ₈ "	111		
HKS 80-5	11.51	9898	10.92	9391	11.89	10225	3836	1.81	425	42.31	8.35	2.9	5/8"	1 ¹ / ₈ "	128		
HKS 95-5	14.13	12152	12.51	10758	14.43	12410	3730	1.76	638	83.47	12.53	4.3	5/8"	1 ¹ / ₈ "	138		
HKS 115-5	17.78	15291	16.59	14267	18.38	15808	5743	2.71	639	85.09	12.24	4.2	5/8"	1 ³ / ₈ "	169		
HKS 140-5	21.78	18730	19.49	16781	22.28	19160	5594	2.64	958	97.64	18.36	6.3	7/8"	1 ³ / ₈ "	194		
HKS 175-5	27.74	23856	25.37	21818	28.73	24707	7120	3.36	1135	117.17	21.60	7.4	7/8"	1 ³ / ₈ "	216		

4mm FIN SPACING																NOMINAL 3FPI	
MODEL	CAPACITY (Dew point evap. Temp . -8°C) *						AIR VOLUME			COIL DATA							
	R22		R134a		R404A				total surface		Int. vol. dm ³	approx ref. charge kg	CONNECTIONS		approx. dry weight kg		
	kw	kcal/h	kw	kcal/h	kw	kcal/h			ft ²	m ²			INLET	OUTLET			
	8k	8k	8k	8k	8k	8k	cfm	m ³ /s									
dt1	dt1	dt1	dt1	dt1	dt1												
HKS 50-4	7.73	6647	7.08	8071	7.89	6785	1801	0.85	394	40.05	6.70	2.3	1/2"	1 ¹ / ₈ "	85		
HKS 60-4	9.54	8204	8.36	7705	9.77	8402	2034	0.96	582	60.08	9.50	3.2	5/8"	1 ¹ / ₈ "	112		
HKS 80-4	12.82	2425	12.02	10337	13.24	11386	3857	1.82	524	52.07	8.35	2.9	5/8"	1 ¹ / ₈ "	129		
HKS95-4	14.88	12779	12.98	11162	14.97	12874	3602	1.70	786	78.11	12.53	4.3	5/8"	1 ¹ / ₈ "	139		
HKS 115-4	19.72	16959	18.12	15583	20.17	17346	5785	2.73	787	80.11	12.24	4.2	5/8"	1 ³ / ₈ "	170		
HKS140-4	22.95	19737	20.17	17346	23.15	19909	5403	2.55	1181	120.17	18.36	6.3	7/8"	1 ³ / ₈ "	195		
HKS 175-4	29.41	25292	28.63	22902	30.01	25808	6908	3.26	1399	144.21	21.60	7.4	7/8"	1 ³ / ₈ "	217		

ALL FIN SPACINGS																	
MODEL	FAN AND MOTOR SPECIFIONS											ELECTRIC DEFROST					
	NO. Of Fans	DIMETER		rpm	AIR THROW		** Noise Level dB(A)	Motor Size dB(A)	230V - 1 ph - 50hz			400V - 3ph			400V - 3ph		
		Ins. nominal	mm		*** 4mm m	*** 8mm m			Total Power Input W	F.L.C. Amps Per Fan	SC Amps Per Fan	Total Power Input W	F.L.C. Amps Per Fan	SC Amps Per Fan	Coil Elc Defrost NO. X W.	Drain Elc Defrost NO. X W.	Total W.
HKM 50	1	15	400	1420	20	22	62	200	355	1.60	4.50	355	0.75	2.75	3X1000	1X1000	4000
HKM 60	1	15	400	1420	22	25	62	200	355	1.60	4.50	355	0.75	2.75	3X1750	1X1750	6250
HKM 80	2	15	400	1420	22	25	64	200	710	1.60	4.50	710	0.75	2.75	3X1750	1X1750	7000
HKM 95	2	15	400	1420	20	22	64	200	710	1.60	4.50	710	0.75	2.75	3X1750	1X1750	7000
HKM 115	3	15	400	1420	22	25	66	200	1065	1.60	4.50	1065	0.75	2.75	3X2500	1X2500	10000
HKM 140	3	15	400	1420	20	22	66	200	1065	1.60	4.50	1065	0.75	2.75	3X2500	1X2500	10000
HKM 175	4	15	400	1420	20	22	68	200	1420	1.60	4.50	1420	0.75	2.75	3X3000	1X3000	12000