

COOLING PERFORMANCE																					
Outdoor Ambient Temperature (DB)		Return Air Temperature																			
		70°F (DB) / 59°F (WB)					75°F (DB) / 63°F (WB)					80°F (DB) / 67°F (WB)					90°F (DB) / 73°F (WB)				
		TC (Btu/h)	SC (Btu/h)	SHR	EER	Power Input (W)	TC (Btu/h)	SC (Btu/h)	SHR	EER(Btu/(h·W))	Power Input (W)	TC (Btu/h)	SC (Btu/h)	SHR	EER(Btu/(h·W))	Power Input (W)	TC (Btu/h)	SC (Btu/h)	SHR	EER(Btu/(h·W))	Power Input (W)
MAX OUTPUT*	-20°F																				
	-15°F	6077	4405.83	73%	9.43	644	6489	4705	73%	9.57	678	6695	4853.88	73%	9.38	714	7313	5301.925	73%	9.29	787
	-10°F	6334.5	4608.35	73%	9.62	659	6746.5	4908	73%	9.73	693	6952.5	5057.94	73%	9.53	730	7570.5	5507.53875	73%	9.41	805
	-5°F	6592	4812.16	73%	9.80	673	7004	5113	73%	9.89	708	7210	5263.3	73%	9.67	746	7828	5714.44	73%	9.52	822
	0°F	6695	4904.09	73%	9.74	687	7107	5206	73%	9.83	723	7313	5356.77	73%	9.61	761	7931	5809.4575	73%	9.45	839
	5°F	6798	4996.53	74%	9.69	701	7210	5299	74%	9.77	738	7416	5450.76	74%	9.54	777	8034	5904.99	74%	9.38	857
	10°F	6952.5	5127.47	74%	9.72	715	7364.5	5431	74%	9.78	753	7570.5	5583.24	74%	9.55	793	8188.5	6039.01875	74%	9.37	874
	15°F	7107	5259.18	74%	9.74	730	7519	5564	74%	9.79	768	7725	5716.5	74%	9.55	809	8343	6173.82	74%	9.36	891
	20°F	7210	5353.43	74%	9.69	744	7622	5659	74%	9.73	783	7828	5812.29	74%	9.50	824	8446	6271.155	74%	9.29	909
	25°F	7313	5448.19	75%	9.65	758	7725	5755	75%	9.68	798	7931	5908.6	75%	9.44	840	8549	6369.005	75%	9.23	926
	30°F	7570.5	5658.95	75%	9.80	772	7982.5	5967	75%	9.82	813	8188.5	6120.9	75%	9.57	856	8806.5	6582.85875	75%	9.33	943
	35°F	7828	5871	75%	9.95	787	8240	6180	75%	9.95	828	8446	6334.5	75%	9.69	872	9064	6798	75%	9.43	961
	40°F	7982.5	6006.83	75%	9.97	801	8394.5	6317	75%	9.96	843	8600.5	6471.88	75%	9.69	887	9218.5	6936.92125	75%	9.42	978
	45°F	8137	6143.44	76%	9.98	815	8549	6455	76%	9.97	858	8755	6610.03	76%	9.70	903	9373	7076.615	76%	9.41	996
	50°F	8394.5	6358.83	76%	10.12	829	8806.5	6671	76%	10.09	873	9012.5	6826.97	76%	9.81	919	9630.5	7295.10375	76%	9.51	1013
	55°F	8652	6575.52	76%	10.26	843	9064	6889	76%	10.21	888	9270	7045.2	76%	9.92	935	9888	7514.88	76%	9.60	1030
	60°F	8909.5	6793.49	76%	10.39	858	9321.5	7108	76%	10.33	903	9527.5	7264.72	76%	10.03	950	10145.5	7735.94375	76%	9.68	1048
	65°F	9167	7012.76	77%	10.51	872	9579	7328	77%	10.44	918	9785	7485.53	77%	10.13	966	10403	7958.295	77%	9.77	1065
	70°F	9579	7351.88	77%	10.81	886	9991	7668	77%	10.71	933	10197	7826.2	77%	10.39	982	10815	8300.5125	77%	9.99	1082
	75°F	9991	7693	77%	11.10	900	10403	8010	77%	10.98	948	10609	8168.93	77%	10.64	998	11227	8644.79	77%	10.21	1100
	80°F	10145.5	7837.4	77%	11.09	914	10557.5	8156	77%	10.97	963	10763.5	8314.8	77%	10.62	1013	11381.5	8792.20875	77%	10.19	1117
	85°F	10300	7982.5	78%	11.09	929	10712	8302	78%	10.96	978	10918	8461.45	78%	10.61	1029	11536	8940.4	78%	10.17	1134
	90°F	9991	7768	78%	10.65	938	10403	8088	78%	10.53	988	10609	8248.5	78%	10.21	1040	11227	8728.9925	78%	9.80	1146
	95°F	9682	7551.96	78%	10.22	948	10094	7873	78%	10.12	998	10300	8034	78%	9.81	1050	10918	8516.04	78%	9.43	1158
	100°F	9424.5	7374.67	78%	9.70	971	9836.5	7697	78%	9.62	1022	10042.5	7858.26	78%	9.33	1076	10660.5	8341.84125	78%	8.98	1187
	105°F	9167	7196.1	79%	9.21	995	9579	7520	79%	9.15	1047	9785	7681.23	79%	8.88	1103	10403	8166.355	79%	8.56	1216
	110°F	9012.5	7097.34	79%	8.85	1019	9424.5	7422	79%	8.79	1072	9630.5	7584.02	79%	8.53	1129	10248.5	8070.69375	79%	8.24	1244
115°F	8858	6997.82	79%	8.50	1042	9270	7323	79%	8.45	1097	9476	7486.04	79%	8.20	1155	10094	7974.26	79%	7.93	1273	
118°F	8497.5	6734.27	79%	8.12	1046	8909.5	7061	79%	7.94	1122	9115.5	7224.03	79%	7.72	1181	9733.5	7713.79875	79%	7.47	1302	
122°F																					
125°F																					
129°F																					

*Maximum Output values are not based on AHRI test conditions

LEGEND: W - Watts
DB - Dry Bulb
TC - Total Capacity
SC - Total Capacity
SHR - Sensible Heat Ratio
COP - Coefficient of Performance

EXTENDED RATINGS										DHH09ESK3IL, DXH09ESK3IL Indoor / Outdoor									
HEATING PERFORMANCE																			
Outdoor Ambient Temperature			Return Air Temperature																
			70°F (DB)			75°F (DB)			80°F (DB)			90°F (DB)							
			TC (Btu/h)	COP(W/W)	Power Input (W)	TC (Btu/h)	COP(W/W)	Power Input (W)	TC (Btu/h)	COP(W/W)	Power Input (W)	TC (Btu/h)	COP(W/W)						
MAX OUTPUT*	DB	WB																	
	-22°F	-22.5°F																	
	-20°F	-20.5°F																	
	-15°F	-16°F	7619	2.15	1041	7375	2.04	1062	7356	1.99	1083	6831	1.81						
	-10°F	-11°F	8079	2.25	1052	7853	2.15	1073	7816	2.09	1094	7290	1.91						
	-5°F	-6°F	8538	2.36	1062	8331	2.25	1083	8276	2.19	1105	7750	2.02						
	0°F	-1°F	8933	2.42	1084	8741	2.32	1106	8670	2.25	1128	8144	2.08						
	5°F	3°F	9327	2.47	1106	9151	2.38	1128	9064	2.31	1151	8538	2.13						
	10°F	8°F	9852	2.56	1129	9697	2.47	1151	9589	2.39	1174	9064	2.22						
	15°F	13°F	10049	2.58	1140	10175	2.56	1163	10049	2.48	1186	9524	2.31						
	17°F	15°F	10246	2.61	1152	10653	2.66	1175	10509	2.57	1198	9983	2.39						
	20°F	17°F	10772	2.69	1175	10653	2.60	1199	10509	2.52	1223	9983	2.35						
	25°F	22°F	11166	2.73	1199	11063	2.65	1223	10903	2.56	1248	10377	2.39						
	30°F	27°F	11363	2.75	1211	11268	2.67	1236	11100	2.58	1260	10574	2.41						
	35°F	33°F	11560	2.77	1224	11473	2.69	1248	11297	2.60	1273	10772	2.43						
	40°F	36°F	12479	2.93	1249	12429	2.86	1273	12217	2.76	1299	11691	2.59						
	45°F	41°F	12873	2.96	1274	12839	2.90	1299	12611	2.79	1325	12085	2.62						
	47°F	43°F	13136	2.96	1300	13112	2.90	1326	12873	2.79	1353	12348	2.62						
	50°F	46°F	13005	2.92	1307	12975	2.85	1333	12742	2.75	1359	12216	2.58						
	55°F	50°F	12873	2.87	1313	12839	2.81	1339	12611	2.71	1366	12085	2.54						
60°F	55°F	12742	2.82	1326	12702	2.75	1353	12479	2.65	1380	11954	2.49							
65°F	60°F	12479	2.87	1274	12429	2.80	1299	12217	2.70	1325	11691	2.53							
70°F	64°F	12348	2.86	1268	12292	2.79	1293	12085	2.69	1319	11560	2.52							
75°F	69°F	12217	2.84	1261	12156	2.77	1286.22	11953.8	2.67	1312	11428.3	2.50							
80°F	74°F																		
86°F	80°F																		

*Maximum Output values are not based on AHRI test conditions

LEGEND: W - Watts

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