

EXTENDED RATINGS

DHH36ESK3IL, DXH36ESK3IL 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		18654	1.57	3485	18188	1.50	3555	17642	1.43	3626	16937	1.34
	-20°F		19740	1.65	3502	19247	1.58	3572	18669	1.50	3644	17922	1.41
	-15°F		21000	1.75	3520	19740	1.55	3731	18556	1.38	3955	17813	1.25
	-10°F		21089	1.71	3622	19824	1.51	3839	18634	1.34	4070	17889	1.22
	-5°F		22435	1.74	3773	21089	1.55	3999	19824	1.37	4239	19031	1.24
	0°F		23616	1.78	3890	22199	1.58	4123	20867	1.40	4370	20032	1.27
	5°F		24600	1.80	4010	23124	1.59	4251	21737	1.41	4506	20867	1.28
	10°F		25597	1.94	3860	24062	1.72	4091	22618	1.53	4337	21713	1.38
	15°F		26664	1.97	3959	25064	1.75	4196	23560	1.55	4448	22618	1.41
	17°F		27500	1.99	4060	25850	1.76	4304	24299	1.56	4562	23327	1.41
	20°F		27775	2.07	3938	26109	1.83	4174	24542	1.63	4425	23560	1.47
	25°F		28331	2.10	3946	26631	1.87	4182	25033	1.65	4433	24032	1.50
	30°F		28611	2.15	3907	26894	1.90	4141	25281	1.69	4389	24269	1.53
	35°F		28900	2.21	3830	27166	1.96	4060	25536	1.74	4303	24515	1.58
	40°F		32415	2.49	3821	30471	2.20	4051	28642	1.96	4294	27497	1.77
	45°F		33418	2.57	3818	31413	2.28	4047	29528	2.02	4289	28347	1.83
	47°F		34100	2.62	3810	32054	2.33	4039	30131	2.06	4281	28926	1.87
	50°F		32395	2.62	3620	30451	2.33	3837	28624	2.06	4067	27479	1.87
	55°F		30127	2.46	3583	28320	2.19	3798	26621	1.94	4026	25556	1.76
	60°F		23047	2.07	3261	21665	1.84	3456	20365	1.63	3664	19550	1.48
	65°F		21895	2.01	3196	20581	1.78	3387	19346	1.58	3591	18573	1.43
	70°F		16421	1.96	2461	15436	1.73	2608	14510	1.54	2765	13929	1.39
	75°F		14451	1.76	2411	13584	1.56	2556	12769	1.38	2709	12258	1.25
	80°F		13728	1.69	2375	12905	1.50	2518	12130	1.33	2669	11645	1.21
	86°F		13042	1.64	2328	12716	1.51	2467	12334	1.44	2517	11841	1.35

*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										DHH36ESK3IL, DXH36ESK3IL Indoor / Outdoor											
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																				
	-10°F																				
	-5°F																				
	0°F	21731	12387	57%	12.59	1726	22403	13218	59%	12.72	1761	22978	13787	60%	12.79	1797	21139	12895	61%	11.20	1887
	5°F	22403	13218	59%	12.72	1761	23096	14089	61%	12.85	1797	23688	14687	62%	12.92	1834	22030	13879	63%	11.44	1925
	10°F	23096	13627	59%	12.85	1797	23810	14524	61%	12.99	1834	24421	15141	62%	13.05	1871	22711	14308	63%	11.56	1965
	15°F	23810	14048	59%	12.99	1834	24547	14974	61%	13.12	1871	25176	15609	62%	13.19	1909	23414	14751	63%	11.68	2005
	20°F	24547	14483	59%	13.12	1871	25306	15437	61%	13.26	1909	25955	16092	62%	13.32	1948	24138	15207	63%	11.80	2046
	25°F	25306	14931	59%	13.26	1909	26089	15914	61%	13.39	1948	26758	16590	62%	13.46	1988	24885	15677	63%	11.92	2087
	30°F	26089	15392	59%	13.39	1948	26895	16406	61%	13.53	1988	27585	17103	62%	13.60	2028	25654	16162	63%	12.05	2130
	35°F	26895	15868	59%	13.53	1988	27727	16914	61%	13.67	2028	28438	17632	62%	13.74	2070	26448	16662	63%	12.17	2173
	40°F	27727	16359	59%	13.67	2028	28585	17437	61%	13.81	2070	29318	18177	62%	13.88	2112	27266	17177	63%	12.29	2218
	45°F	28585	17723	62%	13.81	2070	29469	18860	64%	13.95	2112	30225	19646	65%	14.02	2155	28109	18552	66%	12.42	2263
	50°F	29469	18271	62%	13.95	2112	30380	19443	64%	14.10	2155	31159	20254	65%	14.17	2199	28978	19126	66%	12.55	2309
	55°F	30380	18836	62%	14.10	2155	31320	20045	64%	14.24	2199	32123	20880	65%	14.31	2244	29874	19717	66%	12.68	2356
	60°F	31320	19418	62%	14.24	2199	32289	20665	64%	14.39	2244	33116	21526	65%	14.46	2290	30798	20327	66%	12.81	2404
	65°F	36847	23214	63%	15.08	2444	37987	24691	65%	15.24	2493	38961	25714	66%	15.31	2544	36233	24276	67%	13.56	2671
	70°F	37599	23687	63%	15.23	2468	38762	25195	65%	15.39	2519	39756	26239	66%	15.47	2570	36973	24772	67%	13.70	2698
	75°F	38762	24420	63%	15.39	2519	39961	25974	65%	15.55	2570	40985	27050	66%	15.63	2622	38116	25538	67%	13.84	2754
	80°F	38378	24178	63%	13.71	2798	39565	25717	65%	13.86	2856	40579	26782	66%	13.93	2914	37739	25285	67%	12.34	3059
	85°F	37260	23474	63%	11.32	3292	38413	24968	65%	11.43	3359	39398	26002	66%	11.49	3428	36640	24549	67%	10.18	3599
	90°F	36175	22790	63%	10.22	3540	37294	24241	65%	10.32	3612	38250	25245	66%	10.38	3686	35573	23834	67%	9.19	3870
	95°F	35466	22343	63%	9.72	3650	36563	23766	65%	9.82	3724	37500	24750	66%	9.87	3800	34875	23366	67%	8.74	3990
100°F	34402	21673	63%	9.15	3759	35466	23053	65%	9.25	3836	36375	24008	66%	9.29	3914	38921	26077	67%	9.47	4110	
105°F	33026	21136	64%	8.45	3909	34047	22471	66%	8.53	3989	34920	23396	67%	8.58	4071	37364	25408	68%	8.74	4274	
110°F	29697	19006	64%	7.96	3730	30615	20206	66%	8.04	3806	31400	21038	67%	8.08	3884	33598	22847	68%	8.24	4078	
115°F	24351	15585	64%	7.68	3171	25104	16569	66%	7.76	3235	25748	17251	67%	7.80	3301	27550	18734	68%	7.95	3466	
120°F	22403	14338	64%	7.36	3044	23096	15243	66%	7.44	3106	23688	15871	67%	7.47	3169	25346	17236	68%	7.62	3328	
122°F	20835	13543	65%	7.13	2922	21479	14391	67%	7.20	2982	22030	14980	68%	7.24	3043	23572	16265	69%	7.38	3195	
125°F																					
129°F																					

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