

EXTENDED RATINGS

DHH30ESK3IL, DXH30ESK3IL 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	17137	9768	57%	12.98	1321	17667	10423	59%	13.11	1348	18120	10872	60%	13.18	1375	16670	10169	61%	11.54	1444
	5°F	17667	10423	59%	13.11	1348	18213	11110	61%	13.24	1375	18680	11582	62%	13.31	1403	17372	10945	63%	11.79	1473
	10°F	18213	10746	59%	13.24	1375	18776	11454	61%	13.38	1403	19258	11940	62%	13.45	1432	17910	11283	63%	11.91	1503
	15°F	18776	11078	59%	13.38	1403	19357	11808	61%	13.52	1432	19853	12309	62%	13.59	1461	18464	11632	63%	12.03	1534
	20°F	19357	11421	59%	13.52	1432	19956	12173	61%	13.66	1461	20467	12690	62%	13.73	1491	19035	11992	63%	12.16	1565
	25°F	19956	11774	59%	13.66	1461	20573	12549	61%	13.80	1491	21100	13082	62%	13.87	1521	19623	12363	63%	12.28	1597
	30°F	20573	12138	59%	13.80	1491	21209	12938	61%	13.94	1521	21753	13487	62%	14.01	1552	20230	12745	63%	12.41	1630
	35°F	21209	12513	59%	13.94	1521	21865	13338	61%	14.08	1552	22426	13904	62%	14.16	1584	20856	13139	63%	12.54	1663
	40°F	21865	12900	59%	14.08	1552	22541	13750	61%	14.23	1584	23119	14334	62%	14.30	1616	21501	13546	63%	12.67	1697
	45°F	22541	13976	62%	14.23	1584	23238	14873	64%	14.38	1616	23834	15492	65%	14.45	1649	22166	14630	66%	12.80	1732
	50°F	23238	14408	62%	14.38	1616	23957	15333	64%	14.52	1649	24571	15971	65%	14.60	1683	22851	15082	66%	12.93	1767
	55°F	23957	14853	62%	14.52	1649	24698	15807	64%	14.67	1683	25331	16465	65%	14.75	1717	23558	15548	66%	13.06	1803
	60°F	24698	15313	62%	14.67	1683	25462	16296	64%	14.83	1717	26115	16975	65%	14.90	1752	24287	16029	66%	13.20	1840
	65°F	29057	18306	63%	15.54	1870	29955	19471	65%	15.70	1908	30723	20277	66%	15.78	1947	28573	19144	67%	13.98	2045
	70°F	29650	18679	63%	15.70	1889	30567	19868	65%	15.86	1928	31350	20691	66%	15.94	1967	29156	19534	67%	14.12	2065
	75°F	30567	19257	63%	15.86	1928	31512	20483	65%	16.02	1967	32320	21331	66%	16.10	2007	30058	20139	67%	14.26	2107
	80°F	30264	18764	62%	14.13	2142	31200	19968	64%	14.28	2185	32000	20800	65%	14.35	2230	29760	19642	66%	12.71	2342
	85°F	32789	20329	62%	11.64	2816	33803	21634	64%	11.76	2873	34670	22535	65%	11.83	2932	32243	21280	66%	10.47	3078
	90°F	31834	19737	62%	10.51	3028	32819	21004	64%	10.62	3089	33660	21879	65%	10.68	3153	31304	20661	66%	9.46	3310
	95°F	31210	19350	62%	10.00	3121	32175	20592	64%	10.10	3185	33000	21450	65%	10.15	3250	30690	20255	66%	8.99	3413
	100°F	30273	18770	62%	9.42	3215	31210	19974	64%	9.51	3281	32010	20807	65%	9.56	3348	34251	22605	66%	9.74	3515
	105°F	29063	18600	64%	8.69	3344	29961	19774	66%	8.78	3412	30730	20589	67%	8.83	3481	32881	22359	68%	8.99	3655
110°F	28373	18158	64%	7.96	3563	29250	19305	66%	8.04	3636	30000	20100	67%	8.09	3710	32100	21828	68%	8.24	3896	
115°F	23265	14890	64%	7.68	3029	23985	15830	66%	7.76	3090	24600	16482	67%	7.80	3154	26322	17899	68%	7.95	3311	
120°F	21404	13699	64%	7.36	2907	22066	14564	66%	7.44	2967	22632	15163	67%	7.48	3027	24216	16467	68%	7.62	3179	
122°F	19906	12939	65%	7.13	2791	20522	13749	67%	7.21	2848	21048	14312	68%	7.24	2906	22521	15540	69%	7.38	3052	
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

DHH30ESK3IL, DXH30ESK3IL 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		15012	1.17	3762	14637	1.12	3837	14198	1.06	3914	13630	1.00
	-20°F		15886	1.23	3781	15489	1.18	3857	15024	1.12	3934	14423	1.05
	-15°F		16900	1.30	3800	15886	1.16	4028	14933	1.03	4270	14336	0.93
	-10°F		19717	1.71	3378	18534	1.52	3581	17422	1.35	3796	16725	1.22
	-5°F		20976	1.75	3519	19717	1.55	3730	18534	1.37	3954	17793	1.24
	0°F		22080	1.78	3628	20755	1.58	3845	19510	1.40	4076	18729	1.27
	5°F		23000	1.80	3740	21620	1.60	3964	20323	1.42	4202	19510	1.28
	10°F		25132	2.04	3612	23624	1.81	3829	22207	1.60	4059	21318	1.45
	15°F		26179	2.07	3705	24608	1.84	3927	23132	1.63	4163	22207	1.47
	17°F		27000	2.08	3800	25380	1.85	4028	23857	1.64	4270	22903	1.48
	20°F		27270	2.09	3823	25634	1.85	4052	24096	1.64	4295	23132	1.49
	25°F		27815	2.09	3901	26146	1.85	4135	24578	1.64	4383	23595	1.49
	30°F		27225	2.03	3940	25592	1.80	4177	24056	1.59	4427	23094	1.44
	35°F		27500	2.03	3980	25850	1.80	4219	24299	1.59	4472	23327	1.44
	40°F		30419	2.45	3638	28594	2.17	3857	26878	1.93	4088	25803	1.75
	45°F		31360	2.65	3465	29478	2.35	3673	27710	2.09	3893	26601	1.89
	47°F		32000	2.84	3300	30080	2.52	3498	28275	2.23	3708	27144	2.02
	50°F		30400	2.84	3135	28576	2.52	3323	26861	2.23	3522	25787	2.02
	55°F		28272	2.67	3104	26576	2.37	3290	24981	2.10	3487	23982	1.90
	60°F		21628	2.24	2824	20330	1.99	2994	19111	1.76	3173	18346	1.60
	65°F		20547	2.18	2768	19314	1.93	2934	18155	1.71	3110	17429	1.55
	70°F		15410	2.12	2131	14485	1.88	2259	13616	1.67	2395	13072	1.51
	75°F		13561	1.90	2089	12747	1.69	2214	11982	1.50	2347	11503	1.36
	80°F		12883	1.84	2057	12110	1.63	2181	11383	1.44	2312	10928	1.31
	86°F		12239	1.78	2016	11933	1.64	2137	11575	1.56	2180	11112	1.46

*Maximum Output values are not based on AHRI test conditions

LEGEND: W - Watts

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SHR - Sensible Heat Ratio

COP - Coefficient of Performance