

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)
<b>MAX OUTPUT*</b>	-20°F																				
	-15°F																				
	-10°F																				
	-5°F																				
	0°F	19001	13919	73%	10.52	1806	20170	14775	73%	10.61	1901	20755	15204	73%	10.37	2001	22509	16488	73%	10.20	2207
	5°F	20070	14751	74%	10.63	1887	21286	15645	74%	10.72	1987	21894	16092	74%	10.47	2091	23719	17433	74%	10.29	2305
	10°F	21543	15889	74%	11.38	1893	22819	16831	74%	11.45	1993	23458	17301	74%	11.18	2098	25373	18714	74%	10.97	2313
	15°F	22008	16286	74%	11.50	1914	23284	17230	74%	11.56	2015	23922	17702	74%	11.28	2121	25835	19118	74%	11.05	2338
	20°F	22465	16681	74%	11.32	1984	23749	17634	74%	11.37	2088	24391	18111	74%	11.10	2198	26316	19541	74%	10.86	2423
	25°F	22805	16990	75%	11.28	2022	24090	17947	74%	11.32	2128	24733	18426	75%	11.04	2240	26660	19862	74%	10.79	2470
	30°F	23205	17348	75%	11.17	2078	24468	18292	75%	11.19	2187	25099	18764	75%	10.90	2302	26993	20180	75%	10.64	2538
	35°F	23674	17756	75%	11.26	2103	24920	18690	75%	11.26	2214	25543	19158	75%	10.96	2330	27412	20559	75%	10.67	2569
	40°F	25966	19541	75%	12.04	2157	27306	20549	75%	12.03	2270	27976	21053	75%	11.71	2390	29986	22566	75%	11.38	2635
	45°F	27078	20444	75%	12.14	2231	28449	21479	75%	12.12	2348	29135	21997	75%	11.79	2472	31191	23549	76%	11.45	2725
	50°F	28324	21457	76%	12.36	2292	29714	22510	76%	12.32	2412	30409	23037	76%	11.98	2539	32494	24616	76%	11.61	2799
	55°F	28983	22027	76%	12.40	2337	30364	23076	76%	12.34	2460	31054	23601	76%	11.99	2589	33124	25174	76%	11.60	2855
	60°F	29953	22841	76%	12.63	2373	31338	23897	76%	12.55	2497	32031	24426	76%	12.18	2629	34108	26010	76%	11.77	2898
	65°F	30343	23212	76%	12.50	2428	31706	24255	76%	12.41	2556	32388	24777	76%	12.04	2690	34434	26342	77%	11.61	2966
	70°F	31232	23974	77%	12.73	2453	32575	25005	77%	12.61	2583	33247	25520	77%	12.23	2718	35262	27067	77%	11.77	2997
	75°F	32213	24804	77%	12.99	2480	33542	25827	77%	12.85	2611	34206	26339	77%	12.45	2748	36198	27873	77%	11.95	3030
80°F	32534	25134	77%	12.47	2608	33856	26155	77%	12.33	2745	34516	26665	77%	11.94	2890	36498	28196	77%	11.46	3186	
85°F	33452	25925	77%	12.52	2673	34790	26962	78%	12.37	2813	35459	27481	78%	11.97	2961	37466	29036	78%	11.48	3265	
90°F	34048	26470	78%	12.42	2741	35452	27561	78%	12.29	2885	36154	28107	78%	11.91	3037	38260	29745	78%	11.43	3348	
95°F	34922	27239	78%	12.46	2803	36408	28398	78%	12.34	2951	37151	28978	78%	11.96	3106	39380	30716	78%	11.50	3424	
100°F	34767	27203	78%	12.13	2865	36287	28392	78%	12.03	3016	37047	28987	78%	11.67	3175	39327	30771	78%	11.24	3500	
105°F	33806	26538	79%	11.50	2939	35326	27731	79%	11.42	3093	36085	28327	78%	11.08	3256	38364	30116	79%	10.69	3590	
110°F	33609	26466	79%	11.21	2997	35145	27676	79%	11.14	3155	35914	28280	79%	10.82	3321	38218	30095	79%	10.44	3661	
115°F	31458	24852	79%	10.42	3019	32921	26008	79%	10.36	3178	33652	26585	79%	10.06	3345	35847	28319	79%	9.72	3688	
118°F	29403	23299	79%	9.84	2987	30829	24429	79%	9.62	3204	31541	24993	79%	9.35	3372	33680	26688	79%	9.06	3718	
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**

**TWH36AT19D6DI / TWH36AT19D6DO**

<b>HEATING PERFORMANCE</b>														
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)	Power Input (W)
<b>MAX OUTPUT*</b>	DB	WB												
	-22°F	-22.5°F												
	-20°F	-20.5°F												
	-15°F	-16°F	17986	9.27	1940	17446	8.64	2019	17176	8.34	2060	16540	7.87	2101
	-10°F	-11°F	18640	9.46	1971	18081	8.81	2052	17802	8.51	2093	17182	8.05	2135
	-5°F	-6°F	19821	10.01	1980	19226	9.33	2060	18929	9.01	2102	18308	8.54	2144
	0°F	-1°F	19878	9.84	2020	19281	9.17	2102	18983	8.85	2145	18390	8.41	2187
	5°F	3°F	21278	10.32	2061	20640	9.62	2145	20320	9.29	2188	19714	8.83	2232
	10°F	8°F	22986	10.93	2103	22296	10.18	2189	21951	9.83	2233	21333	9.37	2278
	15°F	13°F	24337	11.34	2146	23607	10.57	2234	23242	10.20	2279	22618	9.73	2324
	17°F	15°F	24463	11.25	2174	23729	10.48	2263	23362	10.12	2308	22763	9.67	2355
	20°F	17°F	24576	11.22	2190	23838	10.46	2279	23470	10.09	2325	22868	9.64	2372
	25°F	22°F	26033	11.65	2235	25252	10.86	2326	24861	10.48	2372	24247	10.02	2420
	30°F	27°F	26756	11.73	2280	25953	10.93	2373	25552	10.55	2421	24932	10.10	2469
	35°F	33°F	28601	12.38	2311	27743	11.54	2405	27314	11.14	2453	26664	10.66	2502
	40°F	36°F	30432	13.08	2327	29519	12.19	2422	29062	11.76	2470	28423	11.28	2520
	45°F	41°F	33746	14.21	2374	33808	13.68	2471	33285	13.20	2521	32577	12.67	2571
47°F	43°F	33987	14.03	2423	33413	13.25	2522	32990	12.83	2572	32946	12.56	2624	
50°F	46°F	35482	14.42	2460	34827	13.60	2560	34102	13.06	2611	33875	12.72	2664	
55°F	50°F	35954	14.41	2496	35949	13.84	2597	35393	13.36	2649	34640	12.82	2702	
60°F	55°F	37428	14.05	2663	37346	13.96	2675	36751	13.47	2729	35937	12.91	2783	
65°F	60°F	38419	13.98	2748	38340	13.91	2756	37747	13.43	2811	36917	12.88	2867	
70°F	64°F	37528	14.09	2663	36402	12.83	2838	35839	12.38	2895	35042	11.87	2953	
75°F	69°F	36304	13.87	2617	35215	12.05	2923	34671	11.63	2982	33892	11.14	3041	
80°F	74°F													
86°F	80°F													

\*Maximum Output values are not based on AHRI test conditions

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**SHR - Sensible Heat Ratio**

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