

SC-27Z-HH-M3 Capacity Table - 2023

Legend

Cooling

COP: Coefficient of Performance

Outdoor Ambient Temperature (DB) °F	Indoor Entering Air Temperatures						DB: Dry Bulb	
	68 °F DB		73 °F DB		80 °F DB		°F: Degrees Fahrenheit	
	57 °F WB		61 °F WB		67 °F WB		SHC: Sensible Heat Capacity	
	TC	SHC	TC	SHC	TC	SHC	TC: Total Capacity	
0 °F	17,067	13,385	18,044	14,137	19,870	15,590	WB: Wet Bulb	
5 °F	17,664	13,852	18,674	14,631	20,564	16,135		
14 °F	18,502	14,511	19,546	15,324	22,059	17,302		
23 °F	20,271	15,901	21,682	17,008	24,843	19,485		
32 °F	21,541	16,894	22,756	17,847	25,682	20,137		
41 °F	22,315	17,502	23,566	18,482	26,931	21,116		
50 °F	22,704	17,806	24,284	19,045	27,825	21,817		
59 °F	24,582	19,279	26,293	20,621	28,797	22,579		
68 °F	27,840	21,835	29,580	23,196	31,610	24,792		
77 °F	27,511	21,580	29,261	22,951	31,320	24,567		
86 °F	26,158	20,513	27,898	21,884	30,450	23,882		
95 °F	24,756	19,417	26,487	20,768	29,000	22,746		
104 °F	23,558	18,477	25,278	19,828	28,246	22,158		
113 °F	22,949	17,997	24,679	19,348	27,647	21,678		



Heating

Outdoor Ambient Temperature (DB) °F	Indoor Entering Air Temperatures								
	68 °F DB			73 °F DB			80 °F DB		
	57 °F WB			61 °F WB			67 °F WB		
	TC	Power Input (KW)	COP	TC	Power Input (KW)	COP	TC	Power Input (KW)	COP
-31 °F	21,500	5.45	1.16	21,000	5.50	1.12	20,500	5.70	1.05
-22 °F	24,954	5.50	1.33	24,292	5.57	1.28	23,801	5.74	1.21
-13 °F	27,324	5.58	1.44	26,614	5.64	1.38	26,089	5.82	1.31
-5 °F	31,846	5.42	1.72	31,034	5.48	1.66	30,433	5.66	1.58
0 °F	31,376	5.51	1.67	30,550	5.58	1.61	29,933	5.75	1.52
5 °F	31,523	5.24	1.76	30,703	5.30	1.70	30,097	5.46	1.61
10 °F	31,872	5.29	1.77	31,044	5.35	1.70	30,423	5.52	1.62
17 °F	31,268	5.25	1.75	30,448	5.31	1.68	29,825	5.48	1.60
19 °F	30,852	4.91	1.84	30,427	4.96	1.80	29,802	5.12	1.71
24 °F	29,903	5.08	1.72	29,546	5.14	1.68	29,011	5.30	1.60
32 °F	29,135	4.86	1.76	28,814	4.92	1.72	28,344	5.07	1.64
41 °F	30,281	4.50	1.97	29,984	4.55	1.93	29,535	4.69	1.84
43 °F	31,110	3.52	2.59	30,813	3.56	2.54	30,373	3.67	2.42
47 °F	34,000	3.60	2.77	33,065	3.64	2.66	32,366	3.76	2.52
53 °F	34,340	3.27	3.08	33,394	3.31	2.96	32,695	3.41	2.81
59 °F	31,614	3.30	2.81	30,734	3.34	2.70	30,085	3.45	2.56
64 °F	32,283	3.03	3.12	31,394	3.06	3.00	30,734	3.16	2.85
70 °F	32,895	3.08	3.13	31,987	3.11	3.01	31,308	3.21	2.86
75 °F	33,354	2.81	3.48	32,436	2.84	3.34	31,757	2.93	3.17