

Amps @ 460-3-60
 230-3-60 multiply by 2
 575-3-60 multiply by .8

Rating Information: 65°F Return Gas
 Liquid Subcooled to 10°F above SIT
 Horsepower 35
 Displacement 78 CFM @ 60 Hz

SCT
120°F

SST (°F)	-40	-35	-30	-25	-20	-15	-10	-5	0
Capacity (Btu/hr)*	85,696	98,874	112,931	128,182	144,706	162,582	181,887	202,696	225,081
Evap (Lb/hr)	852	992	1146	1318	1507	1716	1946	2199	2478
Cond (Lb/hr)	1275	1469	1674	1897	2138	2400	2682	2988	3317
Power (kW)	35.4	36.3	37.1	37.7	38.3	38.9	39.4	39.9	40.3
Current (Amps)	48.6	49.8	50.8	51.7	52.4	53.2	53.8	54.5	55
Efficiency (EER)	2.4	2.7	3	3.4	3.8	4.2	4.6	5.1	5.6
SIT (°F)	8	11	15	19	23	27	31	35	39

130°F

SST (°F)	-40	-35	-30	-25	-20	-15	-10	-5	0
Capacity (Btu/hr)*	78,930	91,572	105,258	120,069	136,087	153,389	172,056	192,162	213,782
Evap (Lb/hr)	793	931	1084	1252	1438	1643	1869	2118	2392
Cond (Lb/hr)	1238	1433	1644	1871	2118	2384	2671	2981	3315
Power (kW)	40	40.9	41.8	42.6	43.3	44	44.6	45.2	45.8
Current (Amps)	54.6	55.8	56.9	58	58.9	59.8	60.6	61.4	62.2
Efficiency (EER)	2	2.2	2.5	2.8	3.1	3.5	3.9	4.2	4.7
SIT (°F)	12	16	20	24	28	32	36	40	44

70°F to 120°F SCT, -40°F to 0°F SST see page 25
 70°F to 120°F SCT, 0°F to 50°F SST see page 27
 120°F to 130°F SCT, 0°F to 50°F SST see page 28

Data assumes oil cooler utilized. If not, refer to Bulletin 98T-5 for any possible capacity & condenser performance adjustments.

Amps @ 460-3-60
230-3-60 multiply by 2
575-3-60 multiply by .8

Rating Information: 65°F Return Gas
Liquid Subcooled to 10°F above SIT
Horsepower 35
Displacement 78 CFM @ 60 Hz

**SCT
80°F**

SST (°F)	-10	-5	0	5	10	15	20	25	30	35
Capacity (Btu/hr)*	137,216	153,587	170,612	189,920	210,446	232,845	257,187	283,504	311,776	343,240
Evap (Lb/hr)	1407	1587	1789	2015	2267	2548	2862	3209	3593	4014
Cond (Lb/hr)	1804	2018	2239	2490	2757	3049	3369	3715	4091	4513
Power (kW)	17.5	17.7	17.7	17.9	17.9	18	18.1	18.2	18.2	18.3
Current (Amps)	25	25.1	25.2	25.4	25.5	25.6	25.7	25.8	25.8	26
Efficiency (EER)	7.8	8.7	9.6	10.6	11.7	12.9	14.2	15.6	17.1	18.7
SIT (°F)	11	13	17	20	24	28	32	36	40	43

90°F

Capacity (Btu/hr)*	132,693	148,445	165,820	184,368	204,019	226,261	249,663	275,004	302,301	331,515
Evap (Lb/hr)	1396	1575	1774	1996	2244	2521	2829	3171	3551	3969
Cond (Lb/hr)	1825	2041	2279	2532	2800	3105	3426	3776	4156	4566
Power (kW)	19.6	19.7	19.9	20	20.1	20.2	20.3	20.4	20.5	20.5
Current (Amps)	27.6	27.8	28	28.1	28.2	28.4	28.5	28.6	28.7	28.8
Efficiency (EER)	6.8	7.5	8.3	9.2	10.2	11.2	12.3	13.5	14.8	16.2
SIT (°F)	19	21	23	26	30	33	37	41	45	49

100°F

Capacity (Btu/hr)*	132,693	148,445	160,599	178,270	197,630	218,833	242,021	266,278	292,468	320,591
Evap (Lb/hr)	1396	1575	1760	1978	2221	2492	2794	3130	3503	3916
Cond (Lb/hr)	1825	2041	2317	2571	2849	3155	3490	3842	4224	4639
Power (kW)	19.6	19.7	22.3	22.4	22.5	22.6	22.8	22.9	23	23.1
Current (Amps)	27.6	27.8	31	31.1	31.3	31.5	31.7	31.8	32	32.1
Efficiency (EER)	6.8	7.5	7.2	8	8.8	9.7	10.6	11.6	12.7	13.9
SIT (°F)	19	21	30	33	36	39	42	46	50	54

110°F

Capacity (Btu/hr)*	123,752	138,633	154,952	172,919	191,306	211,413	233,394	257,388	282,352	309,238
Evap (Lb/hr)	1381	1555	1747	1961	2198	2463	2758	3086	3451	3857
Cond (Lb/hr)	1875	2103	2352	2626	2906	3211	3546	3914	4298	4715
Power (kW)	24.7	24.8	24.9	25.2	25.3	25.4	25.6	25.8	25.9	26
Current (Amps)	34.2	34.3	34.5	34.7	34.8	35	35.2	35.5	35.7	35.8
Efficiency (EER)	5	5.6	6.2	6.9	7.6	8.3	9.1	10	10.9	11.9
SIT (°F)	36	37	38	39	42	45	48	51	55	59

120°F

Capacity (Btu/hr)*	118,885	133,987	150,031	167,059	185,076	204,850	225,664	248,395	272,031	298,848
Evap (Lb/hr)	1377	1549	1737	1945	2176	2433	2720	3039	3395	3792
Cond (Lb/hr)	1898	2144	2404	2680	2971	3290	3626	3994	4379	4819
Power (kW)	27.7	27.9	28.1	28.3	28.4	28.6	28.8	29	29.1	29.4
Current (Amps)	38	38.3	38.5	38.7	38.9	39.2	39.4	39.6	39.8	40.1
Efficiency (EER)	4.3	4.8	5.3	5.9	6.5	7.2	7.8	8.6	9.3	10.2
SIT (°F)	46	45	45	46	48	50	53	56	60	63

130°F

Capacity (Btu/hr)*	113,743	128,499	144,133	160,704	178,244	196,743	217,048	238,338	261,579	286,909
Evap (Lb/hr)	1376	1545	1729	1931	2155	2404	2681	2991	3336	3722
Cond (Lb/hr)	1919	2175	2446	2732	3034	3353	3702	4069	4471	4913
Power (kW)	31	31.3	31.5	31.7	31.9	32.1	32.4	32.5	32.8	33.1
Current (Amps)	42.2	42.5	42.8	43.1	43.3	43.5	43.8	44.1	44.4	44.7
Efficiency (EER)	3.7	4.1	4.6	5.1	5.6	6.1	6.7	7.3	8	8.7
SIT (°F)	57	55	54	54	55	57	59	62	65	68
SST (°F)	-10	-5	0	5	10	15	20	25	30	35

130°F to 150°F SCT, -10°F to 35°F SST see page 26
80°F to 130°F SCT, 40°F to 55°F SST see page 27
130°F to 150°F SCT, 40°F to 55°F SST see page 28

Amps @ 460-3-60
 230-3-60 multiply by 2
 575-3-60 multiply by .8

Rating Information: 65°F Return Gas
 Liquid Subcooled to 10°F above SIT
 Horsepower 35
 Displacement 78 CFM @ 60 Hz

SCT

130°F		SST (°F)	-10	-5	0	5	10	15	20	25	30	35
Capacity (Btu/hr)*	113,743	128,499	144,133	160,704	178,244	196,743	217,048	238,338	261,579	286,909		
Evap (Lb/hr)	1376	1545	1729	1931	2155	2404	2681	2991	3336	3722		
Cond (Lb/hr)	1919	2175	2446	2732	3034	3353	3702	4069	4471	4913		
Power (kW)	31	31.3	31.5	31.7	31.9	32.1	32.4	32.5	32.8	33.1		
Current (Amps)	42.2	42.5	42.8	43.1	43.3	43.5	43.8	44.1	44.4	44.7		
Efficiency (EER)	3.7	4.1	4.6	5.1	5.6	6.1	6.7	7.3	8	8.7		
SIT (°F)	57	55	54	54	55	57	59	62	65	68		

140°F		SST (°F)	-10	-5	0	5	10	15	20	25	30	35
Capacity (Btu/hr)*	108,796	123,203	138,419	154,521	171,563	189,566	208,507	229,316	251,065	274,815		
Evap (Lb/hr)	1379	1544	1723	1919	2136	2376	2643	2941	3274	3646		
Cond (Lb/hr)	1948	2215	2497	2796	3111	3443	3792	4176	4578	5020		
Power (kW)	34.9	35.1	35.4	35.7	35.9	36.2	36.4	36.7	36.9	37.2		
Current (Amps)	47.1	47.3	47.6	48	48.3	48.6	48.8	49.2	49.5	49.8		
Efficiency (EER)	3.1	3.5	3.9	4.3	4.8	5.2	5.7	6.2	6.8	7.4		
SIT (°F)	68	65	63	62	62	63	65	67	70	73		

150°F		SST (°F)	-10	-5	0	5	10	15	20	25	30	35
Capacity (Btu/hr)*	103,590	117,591	132,323	147,881	164,336	181,733	200,084	219,351	240,553	262,650		
Evap (Lb/hr)	1387	1548	1721	1910	2118	2348	2604	2890	3209	3568		
Cond (Lb/hr)	1978	2256	2550	2861	3189	3535	3900	4283	4705	5148		
Power (kW)	39.2	39.4	39.7	40	40.4	40.7	41	41.2	41.6	41.9		
Current (Amps)	52.4	52.6	53	53.3	53.7	54.1	54.5	54.8	55.2	55.5		
Efficiency (EER)	2.6	3	3.3	3.7	4.1	4.5	4.9	5.3	5.8	6.3		
SIT (°F)	80	76	73	71	70	70	71	73	75	78		

80°F to 130°F SCT, -10°F to 35°F SST see page 25
 80°F to 130°F SCT, 40°F to 55°F SST see page 27
 130°F to 150°F SCT, 40°F to 55°F SST see page 28

Amps @ 460-3-60
230-3-60 multiply by 2
575-3-60 multiply by .8

Rating Information: 65°F Return Gas
Liquid Subcooled to 10°F above SIT
Horsepower 35
Displacement 78 CFM @ 60 Hz

SCT
80°F

SST (°F)	40	45	50	55
Capacity (Btu/hr)*	376,730	412,033	450,666	490,750
Evap (Lb/hr)	4473	4972	5507	6077
Cond (Lb/hr)	4966	5450	5985	6549
Power (kW)	18.4	18.4	18.4	18.4
Current (Amps)	26	26.1	26.1	26
Efficiency (EER)	20.5	22.4	24.5	26.7
SIT (°F)	46	49	51	53

90°F

Capacity (Btu/hr)*	364,018	398,482	434,654	474,218
Evap (Lb/hr)	4427	4928	5469	6050
Cond (Lb/hr)	5026	5521	6047	6630
Power (kW)	20.6	20.7	20.7	20.7
Current (Amps)	28.9	29	29	29.1
Efficiency (EER)	17.7	19.3	21	22.9
SIT (°F)	52	55	58	60

100°F

Capacity (Btu/hr)*	352,066	383,978	419,258	458,195
Evap (Lb/hr)	4372	4870	5414	6002
Cond (Lb/hr)	5107	5588	6127	6729
Power (kW)	23.2	23.3	23.3	23.5
Current (Amps)	32.3	32.3	32.4	32.6
Efficiency (EER)	15.2	16.5	18	19.5
SIT (°F)	57	61	64	66

110°F

Capacity (Btu/hr)*	339,503	370,305	404,627	440,784
Evap (Lb/hr)	4306	4801	5344	5935
Cond (Lb/hr)	5189	5679	6231	6822
Power (kW)	26.2	26.3	26.4	26.5
Current (Amps)	36.1	36.2	36.4	36.5
Efficiency (EER)	13	14.1	15.3	16.6
SIT (°F)	62	66	69	72

120°F

Capacity (Btu/hr)*	326,442	355,936	389,056	424,207
Evap (Lb/hr)	4232	4720	5258	5849
Cond (Lb/hr)	5277	5772	6335	6942
Power (kW)	29.5	29.6	29.8	30
Current (Amps)	40.3	40.4	40.7	41
Efficiency (EER)	11.1	12	13	14.1
SIT (°F)	67	71	74	77

130°F

Capacity (Btu/hr)*	312,999	342,625	372,705	406,579
Evap (Lb/hr)	4151	4629	5159	5745
Cond (Lb/hr)	5372	5899	6443	7064
Power (kW)	33.2	33.5	33.7	34
Current (Amps)	44.9	45.3	45.5	45.9
Efficiency (EER)	9.4	10.2	11.1	12
SIT (°F)	72	75	79	82
SST (°F)	40	45	50	55

80°F to 130°F SCT, -10°F to 35°F SST see page 25
130°F to 150°F SCT, -10°F to 35°F SST see page 26
130°F to 150°F SCT, 40°F to 55°F SST see page 28

Amps @ 460-3-60
 230-3-60 multiply by 2
 575-3-60 multiply by .8

Rating Information: 65°F Return Gas
 Liquid Subcooled to 10°F above SIT
 Horsepower 35
 Displacement 78 CFM @ 60 Hz

SCT

130°F		SST (°F)	40	45	50	55
Capacity (Btu/hr)*			312,999	342,625	372,705	406,579
Evap (Lb/hr)			4151	4629	5159	5745
Cond (Lb/hr)			5372	5899	6443	7064
Power (kW)			33.2	33.5	33.7	34
Current (Amps)			44.9	45.3	45.5	45.9
Efficiency (EER)			9.4	10.2	11.1	12
SIT (°F)			72	75	79	82
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140°F						
Capacity (Btu/hr)*			300,707	327,256	357,523	388,088
Evap (Lb/hr)			4063	4529	5048	5625
Cond (Lb/hr)			5506	6011	6592	7193
Power (kW)			37.5	37.7	38.1	38.3
Current (Amps)			50.3	50.5	51	51.2
Efficiency (EER)			8	8.7	9.4	10.1
SIT (°F)			76	80	83	87
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150°F						
Capacity (Btu/hr)*			286,805	313,160	340,068	370,894
Evap (Lb/hr)			3969	4420	4925	5489
Cond (Lb/hr)			5635	6170	6728	7373
Power (kW)			42.2	42.6	42.8	43.3
Current (Amps)			55.9	56.4	56.7	57.3
Efficiency (EER)			6.8	7.3	7.9	8.6
SIT (°F)			81	84	88	91
		SST (°F)	40	45	50	55

80°F to 130°F SCT, -10°F to 35°F SST see page 25
 130°F to 150°F SCT, -10°F to 35°F SST see page 26
 80°F to 130°F SCT, 40°F to 55°F SST see page 27

Amps @ 460-3-60
230-3-60 multiply by 2
575-3-60 multiply by .8

Rating Information: 65°F Return Gas
Liquid Subcooled to 10°F above SIT
Horsepower 35
Displacement 78 CFM @ 60 Hz

SCT
70°F

SST (°F)	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
Capacity (Btu/hr)*	112,178	125,695	140,867	157,734	176,330	197,427	219,683	244,734	270,796	299,988	329,970
Evap (Lb/hr)	1204.1	1368.2	1556	1768	2008	2276	2575	2908	3276	3682	4129
Cond (Lb/hr)	1730.6	1930.3	2154	2403	2677	2990	3318	3690	4075	4511	4957
Power (kW)	24.6	24.9	25.3	25.7	26.2	26.8	27.3	27.8	28.3	28.8	29.2
Current (Amps)	30.5	31.7	32.8	33.7	34.5	35.3	35.9	36.6	36.9	37.4	37.6
Efficiency (EER)	4.6	5	5.6	6.1	6.7	7.4	8.1	8.8	9.6	10.4	11.3
SIT (°F)	-9.5	-5.7	-2	2	6	9	13	16	20	23	27

80°F

Capacity (Btu/hr)*	107,048	121,221	136,537	153,390	171,819	192,597	214,391	237,869	264,163	291,233	321,493
Evap (Lb/hr)	1164.2	1332.9	1524	1738	1978	2246	2543	2872	3235	3636	4076
Cond (Lb/hr)	1769.5	1994.7	2236	2501	2790	3118	3460	3829	4244	4671	5152
Power (kW)	26.9	27.4	27.8	28.3	28.9	29.6	30.1	30.7	31.3	31.8	32.4
Current (Amps)	33.3	34.8	36	37.1	38.1	39.1	39.9	40.5	41.2	41.7	42.2
Efficiency (EER)	4	4.4	4.9	5.4	5.9	6.5	7.1	7.8	8.4	9.1	9.9
SIT (°F)	-6.4	-2.6	1	5	9	12	16	20	23	27	30

90°F

Capacity (Btu/hr)*	102,418	116,415	131,742	148,441	167,191	186,848	208,001	231,651	256,027	283,258	311,023
Evap (Lb/hr)	1125.2	1297.9	1491	1707	1947	2213	2507	2832	3189	3583	4015
Cond (Lb/hr)	1827.4	2065.2	2325	2606	2924	3254	3609	4008	4418	4880	5349
Power (kW)	29.5	30	30.6	31.2	31.9	32.6	33.3	34.1	34.7	35.4	36
Current (Amps)	37.2	38.7	40.1	41.4	42.7	43.7	44.6	45.6	46.3	47.1	47.6
Efficiency (EER)	3.5	3.9	4.3	4.8	5.2	5.7	6.3	6.8	7.4	8	8.6
SIT (°F)	-2.7	1.1	5	9	12	16	20	23	27	30	34

100°F

Capacity (Btu/hr)*	96,881	110,945	126,637	143,133	161,514	180,643	201,109	223,912	247,291	273,371	299,846
Evap (Lb/hr)	1082.9	1259.1	1455	1671	1910	2174	2464	2784	3135	3521	3944
Cond (Lb/hr)	1878	2136.9	2426	2727	3063	3409	3780	4194	4617	5093	5574
Power (kW)	32.4	33	33.8	34.5	35.4	36.2	36.9	37.9	38.6	39.5	40.1
Current (Amps)	41.9	43.6	45.3	46.7	48.2	49.4	50.4	51.6	52.4	53.4	54
Efficiency (EER)	3	3.4	3.7	4.1	4.6	5	5.4	5.9	6.4	6.9	7.5
SIT (°F)	1.9	5.5	9	13	16	20	24	27	31	34	38

110°F

Capacity (Btu/hr)*	90,780	104,873	120,417	136,602	153,863	172,973	192,616	214,425	236,648	261,403	286,397
Evap (Lb/hr)	1033.1	1212.5	1410	1626	1864	2125	2411	2725	3069	3446	3859
Cond (Lb/hr)	1928.4	2212.2	2525	2846	3188	3567	3953	4383	4820	5309	5802
Power (kW)	35.9	36.6	37.5	38.3	39.2	40.2	41.1	42.2	43.1	44.1	44.9
Current (Amps)	48	49.8	51.7	53.3	54.7	56.2	57.4	58.8	59.8	60.9	61.7
Efficiency (EER)	2.5	2.9	3.2	3.6	3.9	4.3	4.7	5.1	5.5	5.9	6.4
SIT (°F)	7.4	10.9	14	18	22	25	29	32	36	39	43

120°F

Capacity (Btu/hr)*	83,088	97,065	112,300	128,537	145,217	163,562	182,270	202,962	224,985	247,181	271,942
Evap (Lb/hr)	971	1153.1	1352	1568	1805	2062	2344	2651	2988	3355	3758
Cond (Lb/hr)	1951.1	2262.1	2600	2957	3320	3720	4123	4571	5048	5526	6063
Power (kW)	39.8	40.6	41.7	42.8	43.8	45	46	47.2	48.4	49.4	50.5
Current (Amps)	55.3	57.3	59.3	61.3	62.8	64.5	65.9	67.4	68.8	69.7	71
Efficiency (EER)	2.1	2.4	2.7	3	3.3	3.6	4	4.3	4.6	5	5.4
SIT (°F)	14.2	17.5	21	24	28	31	35	38	41	45	48

SST (°F) -50 -45 -40 -35 -30 -25 -20 -15 -10 -5 0

120°F to 130°F SCT, -50°F to 0°F SST see page 26
70°F to 120°F SCT, 0°F to 40°F SST see page 27
120°F to 130°F SCT, 0°F to 40°F SST see page 28

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Data assumes oil cooler utilized. If not, refer to Bulletin 98T-5 for any possible capacity & condenser performance adjustments.

*Compressor capacity shown. Evaporator capacity may be less. See Carlyle Selection Program Software Guide to note difference.