

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 25  
 Displacement 39 CFM @ 60 Hz

**SCT**

120°F		SST (°F)	0	5	10	15	20	25	30	35	40	45	50
Capacity (Btu/hr)*	101,317	112,307	124,487	137,600	151,185	166,259	182,410	199,677	218,094	237,682	259,489		
Evap (Lb/hr)	1102	1243	1400	1572	1762	1971	2202	2456	2736	3044	3382		
Cond (Lb/hr)	1496	1658	1839	2035	2238	2466	2713	2979	3267	3577	3926		
Power (kW)	19.6	19.9	20.2	20.5	20.8	21.1	21.4	21.7	22	22.3	22.6		
Current (Amps)	29.3	29.7	30.1	30.5	30.9	31.3	31.7	32.1	32.4	32.8	33.3		
Efficiency (EER)	5.2	5.7	6.2	6.7	7.3	7.9	8.5	9.2	9.9	10.7	11.5		
SIT (°F)	35	40	44	48	53	57	61	65	68.9	72.6	76.3		
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130°F		SST (°F)	0	5	10	15	20	25	30	35	40	45	50
Capacity (Btu/hr)*	92,644	103,473	114,760	127,275	140,251	154,655	170,103	186,639	204,299	223,111	243,093		
Evap (Lb/hr)	1020	1157	1307	1474	1657	1860	2084	2330	2602	2903	3233		
Cond (Lb/hr)	1441	1609	1785	1981	2185	2414	2662	2930	3220	3533	3870		
Power (kW)	21.9	22.3	22.6	23	23.3	23.7	24.1	24.4	24.8	25.1	25.5		
Current (Amps)	32.3	32.9	33.3	33.8	34.2	34.7	35.2	35.7	36.2	36.7	37.1		
Efficiency (EER)	4.2	4.6	5.1	5.5	6	6.5	7.1	7.6	8.2	8.9	9.5		
SIT (°F)	39	43	48	52	57	61	65	69	73	76.9	80.6		

70°F to 120°F SCT, -40°F to 0°F SST see page 5  
 120°F to 130°F SCT, -40°F to 0°F SST see page 6  
 70°F to 120°F SCT, 0°F to 50°F SST see page 7

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 differences.

Amps @ 460-3-60  
230-3-60 multiply by 2  
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Rating information: 65°F Return Gas  
Liquid Subcooled to 10°F above SIT  
Horsepower 25  
Displacement 39 CFM @ 60 Hz

SCT  
70°F

SST (°F)	0	5	10	15	20	25	30	35	40
<b>70°F</b>									
Capacity (Btu/hr)*	163,039	179,184	197,250	216,603	237,311	259,457	281,695	306,853	333,790
Evap (Lb/hr)	2023	2268	2538	2834	3161	3520	3917	4355	4841
Cond (Lb/hr)	2453	2695	2968	3263	3581	3924	4271	4670	5103
Power (kW)	14	13.1	13.1	13.1	13.1	13	12.9	12.8	12.7
Current (Amps)	21.9	21.9	21.9	21.8	21.8	21.7	21.5	21.5	21.4
Efficiency (EER)	11.6	13.7	15.1	16.5	18.1	19.9	21.8	24	26.3
SIT (°F)	25	29	32	35	38	41	45	48	51
<b>80°F</b>									
Capacity (Btu/hr)*	156,104	172,198	189,469	206,996	226,729	246,618	269,158	291,755	317,609
Evap (Lb/hr)	1971	2209	2471	2760	3079	3432	3822	4255	4737
Cond (Lb/hr)	2505	2762	3040	3322	3644	3971	4346	4727	5169
Power (kW)	15.5	15	15.1	15.1	15.1	15	15	14.9	14.8
Current (Amps)	24	24.2	24.2	24.2	24.2	24.1	24.1	24	24
Efficiency (EER)	10	11.4	12.5	13.7	15	16.4	18	19.6	21.4
SIT (°F)	29	32	35	39	42	46	49	53	56
<b>90°F</b>									
Capacity (Btu/hr)*	149,259	164,525	180,046	196,545	215,186	233,971	255,372	276,864	299,830
Evap (Lb/hr)	1910	2140	2393	2673	2982	3325	3705	4130	4605
Cond (Lb/hr)	2573	2833	3099	3383	3707	4037	4417	4805	5226
Power (kW)	17.3	17.2	17.2	17.2	17.3	17.2	17.3	17.2	17.2
Current (Amps)	26.6	26.9	26.9	26.9	27	27	27.1	27.1	27
Efficiency (EER)	8.6	9.6	10.5	11.4	12.5	13.6	14.8	16.1	17.5
SIT (°F)	32	35	39	43	46	50	53	57	61
<b>100°F</b>									
Capacity (Btu/hr)*	141,557	155,161	170,456	185,929	202,391	219,924	240,002	260,185	280,088
Evap (Lb/hr)	1836	2056	2299	2567	2864	3194	3561	3973	4436
Cond (Lb/hr)	2641	2890	3172	3459	3766	4097	4480	4872	5266
Power (kW)	19.2	19.5	19.7	19.7	19.7	19.7	19.8	19.8	19.7
Current (Amps)	29.6	29.8	30.1	30.2	30.3	30.3	30.6	30.6	30.5
Efficiency (EER)	7.4	7.9	8.7	9.4	10.3	11.2	12.1	13.1	14.2
SIT (°F)	35	39	42	46	50	54	57	61	66
<b>110°F</b>									
Capacity (Btu/hr)*	132,758	145,369	159,556	173,876	189,118	205,374	222,756	241,403	261,489
Evap (Lb/hr)	1746	1955	2184	2438	2720	3033	3383	3777	4221
Cond (Lb/hr)	2707	2957	3241	3528	3836	4169	4528	4920	5350
Power (kW)	21.3	22.2	22.4	22.5	22.5	22.6	22.6	22.7	22.8
Current (Amps)	33.1	33.4	33.8	34	34.1	34.3	34.4	34.6	34.8
Efficiency (EER)	6.2	6.5	7.1	7.7	8.4	9.1	9.8	10.6	11.5
SIT (°F)	38	42	45	49	53	57	61	65	69
<b>120°F</b>									
Capacity (Btu/hr)*	122,643	134,159	147,114	160,149	174,017	188,817	204,665	221,706	240,124
Evap (Lb/hr)	1637	1831	2045	2282	2544	2837	3165	3534	3954
Cond (Lb/hr)	2767	3017	3301	3587	3893	4224	4582	4974	5404
Power (kW)	23.6	25.2	25.5	25.6	25.7	25.8	25.9	26	26.2
Current (Amps)	37	37.4	37.9	38.2	38.5	38.7	39	39.3	39.6
Efficiency (EER)	5.2	5.3	5.8	6.3	6.8	7.3	7.9	8.5	9.2
SIT (°F)	41	45	48	52	56	60	64	68	72
SST (°F)	0	5	10	15	20	25	30	35	40

70°F to 120°F SCT, -50°F to 0°F SST see page 5  
120°F to 130°F SCT, -50°F to 0°F SST see page 6  
120°F to 130°F SCT, 0°F to 40°F SST see page 8

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230-3-60 multiply by 2  
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Horsepower 25  
Displacement 39 CFM @ 60 Hz

SCT  
120°F

SST (°F)	0	5	10	15	20	25	30	35	40
Capacity (Btu/hr)*	122,643	134,159	147,114	160,149	174,017	188,817	204,665	221,706	240,124
Evap (Lb/hr)	1637	1831	2045	2282	2544	2837	3165	3534	3954
Cond (Lb/hr)	2767	3017	3301	3587	3893	4224	4582	4974	5404
Power (kW)	23.6	25.2	25.5	25.6	25.7	25.8	25.9	26	26.2
Current (Amps)	37	37.4	37.9	38.2	38.5	38.7	39	39.3	39.6
Efficiency (EER)	5.2	5.3	5.8	6.3	6.8	7.3	7.9	8.5	9.2
SIT (°F)	41	45	48	52	56	60	64	68	72

130°F

SST (°F)	0	5	10	15	20	25	30	35	40
Capacity (Btu/hr)*	111,572	121,971	133,653	145,367	157,820	171,108	185,350	200,693	217,321
Evap (Lb/hr)	1503	1682	1878	2094	2334	2601	2902	3241	3627
Cond (Lb/hr)	2830	3080	3364	3649	3953	4281	4637	5026	5455
Power (kW)	26.2	28.7	29	29.1	29.3	29.4	29.6	29.8	30.1
Current (Amps)	41.7	42.1	42.8	43.2	43.6	43.9	44.3	44.7	45.1
Efficiency (EER)	4.3	4.2	4.6	5	5.4	5.8	6.3	6.7	7.2
SIT (°F)	43	47	50	54	58	62	66	70	74

70°F to 120°F SCT, -40°F to 0°F SST see page 5  
120°F to 130°F SCT, -50°F to 0°F SST see page 6  
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