

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 54 CFM @ 60 Hz

SCT

120°F		SST (°F)	-40	-35	-30	-25	-20	-15	-10	-5	0
Capacity (Btu/hr)*			55,384	64,475	74,131	84,433	95,461	107,294	120,012	133,693	147,945
Evap (Lb/hr)			547	645	750	866	991	1129	1280	1446	1629
Cond (Lb/hr)			825	959	1100	1251	1412	1585	1771	1972	2181
Power (kW)			23.6	24.1	24.7	25.2	25.7	26.2	26.7	27.1	27.5
Current (Amps)			34.6	35.4	36.1	36.7	37.4	38	38.7	39.3	39.8
Efficiency (EER)			2.4	2.7	3	3.3	3.7	4.1	4.5	4.9	5.4
SIT (°F)			6	10	14	18	22	26	30	34	39

130°F		SST (°F)	-40	-35	-30	-25	-20	-15	-10	-5	0
Capacity (Btu/hr)*			49,001	57,844	67,196	77,137	87,748	99,109	111,300	124,402	138,047
Evap (Lb/hr)			490	585	688	800	922	1055	1202	1363	1539
Cond (Lb/hr)			770	907	1051	1204	1367	1542	1730	1932	2142
Power (kW)			26.3	27	27.6	28.3	28.9	29.5	30.1	30.6	31.1
Current (Amps)			38.2	39	39.8	40.7	41.5	42.3	43	43.8	44.4
Efficiency (EER)			1.9	2.1	2.4	2.7	3	3.4	3.7	4.1	4.4
SIT (°F)			10	14	18	22	26	30	34	38	43

70°F to 120°F SCT, -40°F to 0°F SST see page 17
 70°F to 120°F SCT, 0°F to 50°F SST see page 19
 120°F to 130°F SCT, 0°F to 50°F SST see page 20

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 25
Displacement 54 CFM @ 60 Hz

SCT
80°F

SST (°F)	-10	-5	0	5	10	15	20	25	30	35
Capacity (Btu/hr)*	92,096	103,158	114,661	127,709	141,593	156,764	173,277	191,161	210,411	231,870
Evap (Lb/hr)	944	1066	1202	1355	1525	1716	1928	2164	2425	2711
Cond (Lb/hr)	1211	1355	1504	1674	1855	2053	2270	2505	2761	3049
Power (kW)	11.8	11.9	11.9	12	12	12.1	12.2	12.2	12.2	12.3
Current (Amps)	19.4	19.4	19.4	19.5	19.5	19.6	19.7	19.7	19.8	19.8
Efficiency (EER)	7.8	8.7	9.6	10.7	11.8	13	14.3	15.7	17.2	18.8
SIT (°F)	11	13	17	20	24	28	32	36	40	43

90°F

Capacity (Btu/hr)*	88,485	99,091	110,778	123,253	136,478	151,459	167,245	184,369	202,849	222,669
Evap (Lb/hr)	931	1051	1185	1334	1501	1687	1895	2126	2383	2666
Cond (Lb/hr)	1217	1362	1522	1693	1873	2079	2295	2532	2789	3067
Power (kW)	13.3	13.3	13.4	13.5	13.5	13.7	13.7	13.8	13.8	13.9
Current (Amps)	20.9	20.9	21	21	21.1	21.2	21.2	21.3	21.4	21.4
Efficiency (EER)	6.7	7.4	8.3	9.1	10.1	11.1	12.2	13.4	14.7	16.1
SIT (°F)	19	21	23	26	30	33	37	41	45	49

100°F

Capacity (Btu/hr)*	84,946	95,404	106,541	118,360	131,308	145,499	161,036	177,320	194,933	213,886
Evap (Lb/hr)	918	1037	1167	1313	1476	1657	1859	2084	2335	2613
Cond (Lb/hr)	1225	1376	1537	1707	1893	2098	2322	2558	2816	3095
Power (kW)	15	15	15.1	15.2	15.3	15.4	15.5	15.5	15.6	15.7
Current (Amps)	22.6	22.7	22.7	22.8	22.8	23	23.1	23.2	23.2	23.3
Efficiency (EER)	5.7	6.3	7	7.8	8.6	9.5	10.4	11.4	12.5	13.7
SIT (°F)	27	28	30	33	36	39	42	46	50	54

110°F

Capacity (Btu/hr)*	81,188	91,110	101,962	113,893	126,105	139,463	154,080	170,059	186,719	204,700
Evap (Lb/hr)	906	1022	1150	1292	1449	1625	1820	2039	2282	2553
Cond (Lb/hr)	1230	1382	1548	1730	1915	2118	2341	2586	2842	3121
Power (kW)	16.9	16.9	17	17.1	17.2	17.3	17.4	17.5	17.6	17.7
Current (Amps)	24.6	24.6	24.7	24.9	24.9	25	25.2	25.4	25.4	25.5
Efficiency (EER)	4.8	5.4	6	6.7	7.3	8.1	8.9	9.7	10.6	11.6
SIT (°F)	36	37	38	39	42	45	48	51	55	59

120°F

Capacity (Btu/hr)*	77,214	87,212	97,802	109,022	120,887	133,908	147,628	162,632	178,266	196,034
Evap (Lb/hr)	895	1008	1132	1269	1421	1591	1779	1990	2225	2487
Cond (Lb/hr)	1233	1395	1567	1749	1940	2151	2372	2615	2870	3161
Power (kW)	19	19.1	19.2	19.3	19.4	19.5	19.6	19.8	19.8	20
Current (Amps)	27	27.1	27.2	27.4	27.5	27.7	27.8	28	28.1	28.3
Efficiency (EER)	4.1	4.6	5.1	5.7	6.2	6.9	7.5	8.2	9	9.8
SIT (°F)	46	45	45	46	48	50	53	56	60	63

130°F

Capacity (Btu/hr)*	73,023	82,717	92,948	103,766	115,203	127,264	140,509	154,417	169,626	186,238
Evap (Lb/hr)	884	994	1115	1247	1393	1555	1736	1938	2163	2416
Cond (Lb/hr)	1232	1400	1577	1764	1961	2169	2397	2636	2900	3189
Power (kW)	21.3	21.4	21.5	21.7	21.8	21.9	22.1	22.2	22.3	22.5
Current (Amps)	29.7	29.9	30.1	30.3	30.4	30.6	30.8	31	31.2	31.4
Efficiency (EER)	3.4	3.9	4.3	4.8	5.3	5.8	6.4	7	7.6	8.3
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 18
80°F to 130°F SCT, 40°F to 55°F SST see page 19
130°F to 150°F SCT, 40°F to 55°F SST see page 20

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 54 CFM @ 60 Hz

SCT

130°F		SST (°F)	-10	-5	0	5	10	15	20	25	30	35
Capacity (Btu/hr)*			73,023	82,717	92,948	103,766	115,203	127,264	140,509	154,417	169,626	186,238
Evap (Lb/hr)			884	994	1115	1247	1393	1555	1736	1938	2163	2416
Cond (Lb/hr)			1232	1400	1577	1764	1961	2169	2397	2636	2900	3189
Power (kW)			21.3	21.4	21.5	21.7	21.8	21.9	22.1	22.2	22.3	22.5
Current (Amps)			29.7	29.9	30.1	30.3	30.4	30.6	30.8	31	31.2	31.4
Efficiency (EER)			3.4	3.9	4.3	4.8	5.3	5.8	6.4	7	7.6	8.3
SIT (°F)			57	55	54	54	55	57	59	62	65	68
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140°F			68,920	78,301	88,161	98,560	109,547	121,146	133,355	146,782	160,846	176,238
Evap (Lb/hr)			874	981	1098	1224	1364	1518	1690	1882	2097	2338
Cond (Lb/hr)			1234	1408	1591	1783	1986	2200	2425	2673	2933	3220
Power (kW)			24	24.1	24.2	24.4	24.6	24.7	24.8	25	25.2	25.3
Current (Amps)			33.1	33.3	33.5	33.7	34	34.2	34.4	34.7	34.9	35.1
Efficiency (EER)			2.9	3.2	3.6	4	4.5	4.9	5.4	5.9	6.4	7
SIT (°F)			68	65	63	62	62	63	65	67	70	73
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150°F			64,610	73,637	83,076	93,001	103,470	114,526	126,189	138,449	151,963	166,088
Evap (Lb/hr)			865	969	1081	1201	1334	1480	1642	1824	2027	2256
Cond (Lb/hr)			1234	1413	1601	1799	2008	2228	2460	2704	2973	3255
Power (kW)			27	27.1	27.2	27.4	27.6	27.8	28	28.1	28.3	28.5
Current (Amps)			37	37.2	37.5	37.8	38.1	38.4	38.7	38.9	39.3	39.5
Efficiency (EER)			2.4	2.7	3.1	3.4	3.7	4.1	4.5	4.9	5.4	5.8
SIT (°F)			80	76	73	71	70	70	71	73	75	78
		SST (°F)	-10	-5	0	5	10	15	20	25	30	35

80°F to 130°F SCT, -10°F to 35°F SST see page 17
 80°F to 130°F SCT, 40°F to 55°F SST see page 19
 130°F to 150°F SCT, 40°F to 55°F SST see page 20

*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
 575-3-60 multiply by .8

Rating Information: 65°F Return Gas
 Liquid Subcooled to 10°F above SIT
 Horsepower 25
 Displacement 54 CFM @ 60 Hz

SCT		SST (°F)			
70°F		40	45	50	55
Capacity (Btu/hr)*		264,075	289,909	316,914	346,150
Evap (Lb/hr)		3064	3403	3766	4150
Cond (Lb/hr)		3332	3670	4028	4421
Power (kW)		10.9	10.9	10.9	10.9
Current (Amps)		18.5	18.5	18.5	18.5
Efficiency (EER)		24.2	26.5	29.1	31.9
SIT (°F)		40	42	44	45
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80°F					
Capacity (Btu/hr)*		254,762	278,946	305,460	333,036
Evap (Lb/hr)		3025	3366	3733	4124
Cond (Lb/hr)		3358	3689	4057	4444
Power (kW)		12.3	12.4	12.4	12.3
Current (Amps)		19.9	19.9	19.9	19.9
Efficiency (EER)		20.6	22.6	24.7	27
SIT (°F)		46	49	51	53
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90°F					
Capacity (Btu/hr)*		244,757	268,231	292,929	319,992
Evap (Lb/hr)		2977	3317	3686	4082
Cond (Lb/hr)		3380	3716	4075	4473
Power (kW)		13.9	14	14	14
Current (Amps)		21.5	21.6	21.6	21.6
Efficiency (EER)		17.6	19.2	20.9	22.8
SIT (°F)		52	55	58	60
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100°F					
Capacity (Btu/hr)*		235,134	256,740	280,672	307,134
Evap (Lb/hr)		2920	3257	3624	4023
Cond (Lb/hr)		3411	3736	4102	4511
Power (kW)		15.8	15.8	15.8	15.9
Current (Amps)		23.4	23.4	23.5	23.6
Efficiency (EER)		14.9	16.3	17.7	19.3
SIT (°F)		57	61	64	66
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110°F					
Capacity (Btu/hr)*		224,976	245,675	268,784	293,193
Evap (Lb/hr)		2854	3185	3550	3948
Cond (Lb/hr)		3439	3768	4139	4538
Power (kW)		17.8	17.9	18	18
Current (Amps)		25.7	25.8	25.9	26
Efficiency (EER)		12.6	13.7	15	16.2
SIT (°F)		62	66	69	72
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120°F					
Capacity (Btu/hr)*		214,370	234,020	256,130	279,662
Evap (Lb/hr)		2779	3104	3462	3856
Cond (Lb/hr)		3465	3795	4170	4577
Power (kW)		20.1	20.2	20.3	20.5
Current (Amps)		28.4	28.5	28.7	28.9
Efficiency (EER)		10.7	11.6	12.6	13.7
SIT (°F)		67	71	74	77
SST (°F)		40	45	50	55

80°F to 130°F SCT, -10°F to 35°F SST see page 17
 130°F to 150°F SCT, -10°F to 35°F SST see page 18
 130°F to 150°F SCT, 40°F to 55°F SST see page 20

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 54 CFM @ 60 Hz

SCT		SST (°F)			
120°F		40	45	50	55
Capacity (Btu/hr)*		214,370	234,020	256,130	279,662
Evap (Lb/hr)		2779	3104	3462	3856
Cond (Lb/hr)		3465	3795	4170	4577
Power (kW)		20.1	20.2	20.3	20.5
Current (Amps)		28.4	28.5	28.7	28.9
Efficiency (EER)		10.7	11.6	12.6	13.7
SIT (°F)		67	71	74	77
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130°F					
Capacity (Btu/hr)*		203,401	222,930	242,831	265,292
Evap (Lb/hr)		2698	3012	3362	3749
Cond (Lb/hr)		3491	3838	4198	4609
Power (kW)		22.6	22.8	22.9	23.1
Current (Amps)		31.6	31.8	32	32.2
Efficiency (EER)		9	9.8	10.6	11.5
SIT (°F)		72	75	79	82
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140°F					
Capacity (Btu/hr)*		193,061	210,376	230,159	250,225
Evap (Lb/hr)		2609	2911	3250	3627
Cond (Lb/hr)		3535	3864	4244	4638
Power (kW)		25.6	25.7	26	26.1
Current (Amps)		35.5	35.6	36	36.1
Efficiency (EER)		7.6	8.2	8.9	9.6
SIT (°F)		76	80	83	87
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150°F					
Capacity (Btu/hr)*		181,572	198,518	215,896	235,856
Evap (Lb/hr)		2513	2802	3127	3491
Cond (Lb/hr)		3567	3912	4271	4688
Power (kW)		28.7	29	29.2	29.5
Current (Amps)		39.8	40.2	40.4	40.9
Efficiency (EER)		6.3	6.8	7.4	8
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 17
 130°F to 150°F SCT, -10°F to 35°F SST see page 18
 80°F to 130°F SCT, 40°F to 55°F SST see page 19

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 54 CFM @ 60 Hz

SCT
70°F

SST (°F)	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
Capacity (Btu/hr)*	76,348	85,442	95,757	107,326	120,180	134,345	150,418	167,361	185,688	205,412	227,517
Evap (Lb/hr)	814	924	1050	1195	1359	1543	1750	1981	2237	2521	2835
Cond (Lb/hr)	1181.5	1315.9	1468	1639	1829	2038	2276	2526	2797	3090	3421
Power (kW)	16.3	16.6	16.9	17.2	17.6	18	18.4	18.7	19	19.3	19.7
Current (Amps)	24.5	25.4	26.2	26.8	27.3	27.8	28.2	28.5	28.7	28.8	29
Efficiency (EER)	4.7	5.2	5.7	6.2	6.8	7.5	8.2	8.9	9.8	10.6	11.6
SIT (°F)	-11.8	-7.8	-4	0	4	8	11	15	19	23	26

80°F

Capacity (Btu/hr)*	72,142	81,502	91,953	103,528	116,260	130,178	145,879	162,336	180,064	199,081	220,372
Evap (Lb/hr)	777	890	1019	1165	1329	1512	1717	1944	2196	2475	2782
Cond (Lb/hr)	1197.8	1345.9	1511	1693	1893	2112	2359	2618	2897	3196	3535
Power (kW)	17.9	18.2	18.6	19	19.4	19.8	20.3	20.7	21.1	21.4	21.8
Current (Amps)	26.3	27.3	28.2	29	29.7	30.2	30.8	31.2	31.5	31.7	32
Efficiency (EER)	4	4.5	4.9	5.4	6	6.6	7.2	7.8	8.5	9.3	10.1
SIT (°F)	-9.1	-5.1	-1	3	7	11	14	18	22	26	29

90°F

Capacity (Btu/hr)*	68,036	77,590	88,103	99,611	112,147	125,743	140,432	156,239	173,932	192,157	211,579
Evap (Lb/hr)	740	856	987	1133	1296	1478	1679	1902	2148	2420	2719
Cond (Lb/hr)	1220.8	1383.5	1562	1756	1968	2196	2443	2708	3007	3314	3643
Power (kW)	19.7	20.1	20.5	21	21.4	21.9	22.4	22.8	23.4	23.8	24.2
Current (Amps)	28.7	29.8	30.9	31.8	32.6	33.3	33.9	34.4	34.9	35.3	35.6
Efficiency (EER)	3.5	3.9	4.3	4.8	5.2	5.7	6.3	6.8	7.4	8.1	8.7
SIT (°F)	-5.9	-1.9	2	6	10	14	18	22	25	29	33

100°F

Capacity (Btu/hr)*	63,512	73,157	83,626	94,954	107,175	120,325	134,434	150,171	166,382	183,648	201,993
Evap (Lb/hr)	700	819	950	1096	1258	1436	1634	1851	2091	2354	2644
Cond (Lb/hr)	1240.7	1419.1	1611	1819	2041	2279	2535	2821	3114	3427	3760
Power (kW)	21.7	22.2	22.6	23.1	23.7	24.2	24.7	25.4	25.9	26.4	26.9
Current (Amps)	31.7	33	34.2	35.2	36.1	37	37.7	38.5	39	39.5	39.9
Efficiency (EER)	2.9	3.3	3.7	4.1	4.5	5	5.4	5.9	6.4	6.9	7.5
SIT (°F)	-1.9	2	6	10	14	18	22	25	29	33	37

110°F

Capacity (Btu/hr)*	58,290	67,933	78,260	89,308	101,517	114,174	127,663	142,014	157,258	173,424	191,470
Evap (Lb/hr)	654	774	906	1051	1210	1385	1578	1789	2021	2275	2555
Cond (Lb/hr)	1250.3	1445.7	1653	1873	2117	2366	2632	2913	3212	3530	3887
Power (kW)	24	24.5	25	25.6	26.3	26.9	27.5	28.2	28.8	29.4	30.1
Current (Amps)	35.5	37	38.3	39.5	40.7	41.7	42.5	43.3	44	44.6	45.3
Efficiency (EER)	2.4	2.8	3.1	3.5	3.9	4.2	4.6	5	5.5	5.9	6.4
SIT (°F)	3	6.9	11	15	18	22	26	30	34	38	41

120°F

Capacity (Btu/hr)*	52,077	61,637	71,739	82,755	94,107	106,114	118,810	132,227	147,097	162,149	178,022
Evap (Lb/hr)	597	718	850	993	1150	1321	1507	1711	1935	2179	2447
Cond (Lb/hr)	1238.6	1453.1	1677	1921	2168	2429	2702	2991	3312	3636	3978
Power (kW)	26.6	27.1	27.8	28.5	29.2	29.9	30.6	31.3	32.2	32.9	33.6
Current (Amps)	40.4	42	43.4	44.9	46.1	47.3	48.3	49.2	50.2	50.9	51.6
Efficiency (EER)	2	2.3	2.6	2.9	3.2	3.5	3.9	4.2	4.6	4.9	5.3
SIT (°F)	9.2	12.9	17	20	24	28	32	36	39	43	47

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 18

70°F to 120°F SCT, 0°F to 40°F SST see page 19

120°F to 130°F SCT, 0°F to 40°F SST see page 20

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