



06T Performance Data

R-22

R-134a

R-507 / R-404A

Lit. No. 574-040
Rev. A 04/04

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 15
Displacement 33 CFM @ 60 Hz

SCT
70°F

SST (°F)	-40	-35	-30	-25	-20	-15	-10	-5	0
Capacity (Btu/hr)*	45,101	50,818	57,153	64,052	71,379	79,550	88,451	97,858	108,349
Evap (Lb/hr)	423	483	550	623	705	795	895	1006	1130
Cond (Lb/hr)	541	609	684	765	852	949	1055	1167	1292
Power (kW)	7.8	8	8.2	8.3	8.4	8.6	8.7	8.8	8.9
Current (Amps)	14.3	14.4	14.6	14.7	14.8	14.9	15.1	15.1	15.3
Efficiency (EER)	5.8	6.4	7	7.7	8.5	9.3	10.2	11.1	12.1
SIT (°F)	-14	-9	-5	-1	4	8	12	17	21

80°F

Capacity (Btu/hr)*	42,619	48,307	54,427	61,194	68,356	76,317	84,969	94,099	104,268
Evap (Lb/hr)	401	461	526	599	679	767	865	973	1093
Cond (Lb/hr)	532	602	677	760	848	946	1053	1166	1292
Power (kW)	8.7	8.9	9.1	9.3	9.4	9.6	9.8	9.9	10
Current (Amps)	15.1	15.2	15.4	15.6	15.8	15.9	16.1	16.2	16.4
Efficiency (EER)	4.9	5.4	6	6.6	7.2	7.9	8.7	9.5	10.4
SIT (°F)	-13	-8	-3	1	6	10	14	19	23

90°F

Capacity (Btu/hr)*	39,658	45,316	51,368	57,866	65,039	72,609	81,009	89,858	99,699
Evap (Lb/hr)	374	433	498	569	647	734	829	935	1052
Cond (Lb/hr)	517	589	667	749	841	938	1046	1159	1286
Power (kW)	9.7	9.9	10.1	10.3	10.6	10.7	10.9	11.1	11.3
Current (Amps)	16	16.3	16.5	16.7	17	17.2	17.4	17.6	17.8
Efficiency (EER)	4.1	4.6	5.1	5.6	6.2	6.8	7.4	8.1	8.8
SIT (°F)	-12	-7	-2	3	7	12	16	21	25

100°F

Capacity (Btu/hr)*	36,096	41,726	47,710	54,102	60,955	68,320	76,466	85,034	94,545
Evap (Lb/hr)	341	400	464	533	610	694	787	890	1003
Cond (Lb/hr)	493	568	647	733	824	922	1031	1145	1273
Power (kW)	10.7	11	11.3	11.5	11.8	12	12.3	12.5	12.7
Current (Amps)	17.2	17.5	17.8	18.1	18.3	18.6	18.9	19.1	19.4
Efficiency (EER)	3.4	3.8	4.2	4.7	5.2	5.7	6.2	6.8	7.5
SIT (°F)	-11	-6	-1	4	9	14	18	23	27

110°F

Capacity (Btu/hr)*	31,725	37,313	43,215	49,484	56,174	63,338	71,232	79,522	88,436
Evap (Lb/hr)	301	359	422	491	565	647	738	837	947
Cond (Lb/hr)	454	533	615	702	795	895	1005	1121	1246
Power (kW)	11.9	12.2	12.5	12.8	13.1	13.4	13.7	14	14.2
Current (Amps)	18.5	18.9	19.2	19.6	19.9	20.3	20.7	21	21.3
Efficiency (EER)	2.7	3.1	3.4	3.9	4.3	4.7	5.2	5.7	6.2
SIT (°F)	-9	-4	1	6	11	16	20	25	30

120°F

Capacity (Btu/hr)*	26,587	32,069	37,892	44,043	50,576	57,543	64,997	72,988	81,563
Evap (Lb/hr)	253	311	372	439	512	592	679	775	881
Cond (Lb/hr)	401	482	567	657	753	855	964	1081	1206
Power (kW)	13.2	13.6	14	14.3	14.7	15	15.3	15.6	15.9
Current (Amps)	20.1	20.5	21	21.4	21.8	22.2	22.6	23	23.4
Efficiency (EER)	2	2.4	2.7	3.1	3.4	3.8	4.2	4.7	5.1
SIT (°F)	-8	-2	3	8	13	18	23	28	33
SST (°F)	-40	-35	-30	-25	-20	-15	-10	-5	0

120°F to 130°F SCT, -40°F to 0°F SST see page 2
70°F to 120°F SCT, 0°F to 50°F SST see page 3
120°F to 130°F SCT, 0°F to 50°F SST see page 4

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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 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 15
 Displacement 33 CFM @ 60 Hz

SCT
120°F

SST (°F)	-40	-35	-30	-25	-20	-15	-10	-5	0
Capacity (Btu/hr)*	26,587	32,069	37,892	44,043	50,576	57,543	64,997	72,988	81,563
Evap (Lb/hr)	253	311	372	439	512	592	679	775	881
Cond (Lb/hr)	401	482	567	657	753	855	964	1081	1206
Power (kW)	13.2	13.6	14	14.3	14.7	15	15.3	15.6	15.9
Current (Amps)	20.1	20.5	21	21.4	21.8	22.2	22.6	23	23.4
Efficiency (EER)	2	2.4	2.7	3.1	3.4	3.8	4.2	4.7	5.1
SIT (°F)	-8	-2	3	8	13	18	23	28	33

130°F

SST (°F)	-40	-35	-30	-25	-20	-15	-10	-5	0
Capacity (Btu/hr)*	20,392	25,855	31,604	37,539	43,901	50,657	57,861	65,561	73,808
Evap (Lb/hr)	195	252	312	377	448	525	610	703	805
Cond (Lb/hr)	325	411	500	591	690	794	905	1023	1150
Power (kW)	14.7	15.1	15.6	15.9	16.3	16.7	17.1	17.5	17.8
Current (Amps)	21.9	22.4	22.9	23.4	23.9	24.4	24.9	25.4	25.8
Efficiency (EER)	1.4	1.7	2	2.4	2.7	3	3.4	3.8	4.1
SIT (°F)	-6	0	5	11	16	21	26	31	36

70°F to 120°F SCT, -0°F to 0°F SST see page 1
 70°F to 120°F SCT, 0°F to 50°F SST see page 3
 120°F to 130°F SCT, 0°F to 50°F SST see page 4

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

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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 20
Displacement 33 CFM @ 60 Hz

SCT

70°F

SST (°F)	0	5	10	15	20	25	30	35	40	45	50
Capacity (Btu/hr)*	108,349	119,727	132,045	145,350	159,690	175,676	192,282	210,052	229,020	250,096	271,638
Evap (Lb/hr)	1130	1266	1416	1582	1766	1967	2190	2434	2702	2997	3320
Cond (Lb/hr)	1292	1429	1578	1739	1914	2111	2318	2540	2781	3051	3332
Power (kW)	8.9	9	9.1	9.2	9.3	9.4	9.5	9.5	9.6	9.7	9.8
Current (Amps)	15.3	15.4	15.5	15.6	15.7	15.8	15.9	15.9	16	16.1	16.2
Efficiency (EER)	12.1	13.3	14.5	15.8	17.2	18.7	20.3	22	23.8	25.8	27.9
SIT (°F)	21	25	29	33	37	40	44.2	47.9	51.5	55.1	58.6

80°F

Capacity (Btu/hr)*	104,268	115,290	127,217	140,100	153,986	168,921	184,948	202,105	220,428	240,807	261,641
Evap (Lb/hr)	1093	1226	1373	1535	1713	1910	2127	2366	2628	2916	3233
Cond (Lb/hr)	1292	1429	1579	1741	1917	2108	2314	2537	2778	3050	3331
Power (kW)	10	10.2	10.3	10.4	10.5	10.7	10.8	10.9	10.9	11.1	11.2
Current (Amps)	16.4	16.6	16.7	16.9	17	17.1	17.2	17.3	17.4	17.6	17.7
Efficiency (EER)	10.4	11.3	12.3	13.4	14.6	15.8	17.2	18.6	20.1	21.8	23.5
SIT (°F)	23	27	31	35	39	43	47.2	51	54.7	58.4	61.9

90°F

Capacity (Btu/hr)*	99,699	110,022	121,508	133,909	147,276	161,654	177,087	193,616	211,274	230,932	251,033
Evap (Lb/hr)	1052	1181	1323	1481	1655	1846	2057	2290	2546	2827	3136
Cond (Lb/hr)	1286	1420	1569	1731	1908	2098	2305	2529	2770	3042	3325
Power (kW)	11.3	11.4	11.6	11.8	11.9	12.1	12.2	12.3	12.4	12.6	12.7
Current (Amps)	17.8	17.9	18.1	18.3	18.5	18.7	18.9	19	19.2	19.4	19.5
Efficiency (EER)	8.8	9.6	10.5	11.4	12.4	13.4	14.5	15.7	17	18.3	19.7
SIT (°F)	25	30	34	38	42	46	50.1	54	57.8	61.5	65.1

100°F

Capacity (Btu/hr)*	94,545	104,516	115,598	127,154	139,998	153,815	168,649	184,540	201,526	219,636	239,807
Evap (Lb/hr)	1003	1129	1267	1420	1588	1774	1980	2206	2455	2729	3030
Cond (Lb/hr)	1273	1407	1558	1715	1891	2082	2289	2513	2755	3016	3311
Power (kW)	12.7	12.9	13.1	13.2	13.4	13.6	13.8	14	14.1	14.3	14.5
Current (Amps)	19.4	19.6	19.9	20.1	20.3	20.5	20.8	21	21.2	21.3	21.6
Efficiency (EER)	7.5	8.1	8.8	9.6	10.4	11.3	12.2	13.2	14.3	15.4	16.6
SIT (°F)	27	32	36	41	45	49	52.9	56.9	60.8	64.5	68.2

110°F

Capacity (Btu/hr)*	88,436	98,324	108,660	120,142	132,076	145,333	159,570	174,828	191,142	208,544	227,942
Evap (Lb/hr)	947	1068	1202	1350	1513	1694	1893	2112	2354	2620	2914
Cond (Lb/hr)	1246	1385	1531	1695	1866	2057	2264	2489	2731	2994	3290
Power (kW)	14.2	14.5	14.7	14.9	15.1	15.4	15.6	15.8	16	16.2	16.4
Current (Amps)	21.3	21.6	21.9	22.2	22.4	22.7	23	23.2	23.5	23.7	24
Efficiency (EER)	6.2	6.8	7.4	8	8.7	9.5	10.2	11.1	12	12.9	13.9
SIT (°F)	30	34	39	43	48	52	55.9	59.9	63.8	67.7	71.4

120°F

Capacity (Btu/hr)*	81,563	91,055	100,974	111,981	123,423	136,130	149,779	164,411	180,064	196,770	214,555
Evap (Lb/hr)	881	999	1128	1271	1429	1603	1795	2008	2242	2501	2786
Cond (Lb/hr)	1206	1347	1493	1657	1829	2021	2229	2454	2698	2962	3247
Power (kW)	15.9	16.2	16.5	16.8	17	17.3	17.6	17.8	18.1	18.3	18.5
Current (Amps)	23.4	23.8	24.1	24.5	24.8	25.2	25.5	25.9	26.2	26.5	26.7
Efficiency (EER)	5.1	5.6	6.1	6.7	7.3	7.9	8.5	9.2	10	10.8	11.6
SIT (°F)	33	37	42	46	51	55	59.1	63.2	67.1	71	74.8
SST (°F)	0	5	10	15	20	25	30	35	40	45	50

70°F to 120°F SCT, -40°F to 0°F SST see page 1
120°F to 130°F SCT, -40°F to 0°F SST see page 2
120°F to 130°F SCT, 0°F to 50°F SST see page 4

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 20
 Displacement 33 CFM @ 60 Hz

SCT
120°F

SST (°F)	0	5	10	15	20	25	30	35	40	45	50
Capacity (Btu/hr)*	81,563	91,055	100,974	111,981	123,423	136,130	149,779	164,411	180,064	196,770	214,555
Evap (Lb/hr)	881	999	1128	1271	1429	1603	1795	2008	2242	2501	2786
Cond (Lb/hr)	1206	1347	1493	1657	1829	2021	2229	2454	2698	2962	3247
Power (kW)	15.9	16.2	16.5	16.8	17	17.3	17.6	17.8	18.1	18.3	18.5
Current (Amps)	23.4	23.8	24.1	24.5	24.8	25.2	25.5	25.9	26.2	26.5	26.7
Efficiency (EER)	5.1	5.6	6.1	6.7	7.3	7.9	8.5	9.2	10	10.8	11.6
SIT (°F)	33	37	42	46	51	55	59.1	63.2	67.1	71	74.8

130°F

SST (°F)	0	5	10	15	20	25	30	35	40	45	50
Capacity (Btu/hr)*	73,808	82,913	92,429	102,627	113,938	126,109	138,682	152,640	167,578	183,526	201,322
Evap (Lb/hr)	805	918	1043	1180	1332	1501	1686	1892	2118	2369	2645
Cond (Lb/hr)	1150	1292	1440	1599	1777	1971	2172	2398	2642	2907	3206
Power (kW)	17.8	18.2	18.5	18.8	19.1	19.5	19.7	20	20.3	20.6	21
Current (Amps)	25.8	26.3	26.7	27.1	27.6	28	28.3	28.7	29.1	29.5	29.9
Efficiency (EER)	4.1	4.6	5	5.5	6	6.5	7	7.6	8.2	8.9	9.6
SIT (°F)	36	40	45	50	54	58	62.6	66.7	70.8	74.7	78.5

70°F to 120°F SCT, -40°F to 0°F SST see page 1
 120°F to 130°F SCT, -40°F to 0°F SST see page 2
 70°F to 120°F SCT, 0°F to 50°F SST see page 3

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 20
 Displacement 39 CFM @ 60 Hz

SCT
70°F

SST (°F)	-40	-35	-30	-25	-20	-15	-10	-5	0
Capacity (Btu/hr)*	54,770	61,760	69,173	77,407	86,368	95,852	106,413	117,877	130,300
Evap (Lb/hr)	515	587	667	755	853	961	1080	1212	1358
Cond (Lb/hr)	657	740	827	924	1031	1143	1268	1405	1554
Power (kW)	9.7	9.9	10.1	10.3	10.4	10.6	10.7	10.8	11
Current (Amps)	17.4	17.7	17.9	18.1	18.3	18.5	18.6	18.8	18.9
Efficiency (EER)	5.7	6.2	6.9	7.5	8.3	9.1	9.9	10.9	11.9
SIT (°F)	-13	-9	-4	0	4	9	13	17	21

80°F

Capacity (Btu/hr)*	51,937	58,900	66,248	74,368	82,947	92,467	102,792	113,982	125,722
Evap (Lb/hr)	491	563	642	729	826	932	1049	1179	1322
Cond (Lb/hr)	648	734	824	923	1029	1146	1273	1412	1557
Power (kW)	10.7	11	11.2	11.4	11.6	11.8	12	12.2	12.3
Current (Amps)	18.6	18.9	19.1	19.4	19.6	19.8	20	20.2	20.4
Efficiency (EER)	4.8	5.4	5.9	6.5	7.1	7.8	8.6	9.4	10.2
SIT (°F)	-11	-7	-2	2	7	11	15	19	24

90°F

Capacity (Btu/hr)*	48,698	55,470	62,881	70,869	79,282	88,587	98,376	109,234	120,974
Evap (Lb/hr)	463	534	613	699	794	898	1013	1140	1280
Cond (Lb/hr)	634	720	815	917	1024	1143	1269	1408	1560
Power (kW)	12	12.2	12.5	12.8	13	13.2	13.4	13.6	13.8
Current (Amps)	19.9	20.2	20.6	20.9	21.1	21.4	21.7	21.9	22.2
Efficiency (EER)	4.1	4.5	5	5.6	6.1	6.7	7.3	8	8.8
SIT (°F)	-9	-4	0	4	9	13	18	22	26

100°F

Capacity (Btu/hr)*	44,820	51,653	58,798	66,612	75,023	83,858	93,622	103,863	115,215
Evap (Lb/hr)	429	500	578	662	755	857	970	1093	1230
Cond (Lb/hr)	609	701	796	900	1012	1130	1260	1397	1550
Power (kW)	13.3	13.7	13.9	14.3	14.5	14.8	15.1	15.3	15.5
Current (Amps)	21.5	21.9	22.2	22.6	23	23.3	23.6	23.9	24.2
Efficiency (EER)	3.4	3.8	4.2	4.7	5.2	5.7	6.2	6.8	7.4
SIT (°F)	-6	-2	3	7	11	16	20	25	29

110°F

Capacity (Btu/hr)*	40,423	47,049	54,205	61,681	69,856	78,423	87,864	97,754	108,702
Evap (Lb/hr)	389	459	535	618	709	808	918	1038	1171
Cond (Lb/hr)	576	669	769	873	987	1106	1238	1376	1530
Power (kW)	14.9	15.2	15.6	15.9	16.3	16.6	16.9	17.1	17.4
Current (Amps)	23.4	23.8	24.2	24.6	25.1	25.4	25.8	26.2	26.6
Efficiency (EER)	2.7	3.1	3.5	3.9	4.3	4.7	5.2	5.7	6.2
SIT (°F)	-4	1	5	10	14	19	23	28	32

120°F

Capacity (Btu/hr)*	35,072	41,685	48,676	55,956	63,878	72,163	81,265	90,791	101,317
Evap (Lb/hr)	341	410	485	566	654	750	856	973	1102
Cond (Lb/hr)	526	623	726	832	948	1069	1202	1342	1496
Power (kW)	16.6	17	17.4	17.8	18.2	18.5	18.9	19.2	19.6
Current (Amps)	25.4	26	26.5	27	27.5	27.9	28.4	28.8	29.3
Efficiency (EER)	2.1	2.5	2.8	3.1	3.5	3.9	4.3	4.7	5.2
SIT (°F)	0	4	8	13	17	22	26	31	35
SST (°F)	-40	-35	-30	-25	-20	-15	-10	-5	0

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
 120°F to 130°F SCT, 0°F to 50°F SST see page 8

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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 20
 Displacement 39 CFM @ 60 Hz

SCT

120°F		SST (°F)	-40	-35	-30	-25	-20	-15	-10	-5	0
Capacity (Btu/hr)*			35,072	41,685	48,676	55,956	63,878	72,163	81,265	90,791	101,317
Evap (Lb/hr)			341	410	485	566	654	750	856	973	1102
Cond (Lb/hr)			526	623	726	832	948	1069	1202	1342	1496
Power (kW)			16.6	17	17.4	17.8	18.2	18.5	18.9	19.2	19.6
Current (Amps)			25.4	26	26.5	27	27.5	27.9	28.4	28.8	29.3
Efficiency (EER)			2.1	2.5	2.8	3.1	3.5	3.9	4.3	4.7	5.2
SIT (°F)			0	4	8	13	17	22	26	31	35
130°F											
Capacity (Btu/hr)*			28,956	35,433	42,126	49,314	56,800	64,762	73,478	82,592	92,644
Evap (Lb/hr)			284	351	424	503	588	681	784	896	1020
Cond (Lb/hr)			458	559	662	773	888	1011	1145	1286	1441
Power (kW)			18.5	19	19.4	19.9	20.3	20.7	21.1	21.5	21.9
Current (Amps)			27.8	28.5	29	29.6	30.2	30.7	31.3	31.7	32.3
Efficiency (EER)			1.6	1.9	2.2	2.5	2.8	3.1	3.5	3.8	4.2
SIT (°F)			3	7	12	16	21	26	30	35	39
		SST (°F)	-40	-35	-30	-25	-20	-15	-10	-5	0

70°F to 120°F SCT, -40°F to 0°F SST see page 5
 70°F to 120°F SCT, 0°F to 50°F SST see page 7
 120°F to 130°F SCT, 0°F to 50°F SST see page 8

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 39 CFM @ 60 Hz

SCT

70°F

SST (°F)	0	5	10	15	20	25	30	35	40	45	50
Capacity (Btu/hr)*	130,300	143,735	158,232	173,838	190,592	208,531	228,434	248,901	271,552	295,658	321,235
Evap (Lb/hr)	1358	1519	1697	1892	2107	2343	2601	2884	3193	3530	3898
Cond (Lb/hr)	1554	1715	1890	2080	2285	2506	2753	3010	3298	3607	3940
Power (kW)	11	11.1	11.2	11.3	11.3	11.4	11.5	11.6	11.7	11.8	11.9
Current (Amps)	18.9	19	19.2	19.2	19.3	19.4	19.5	19.6	19.6	19.7	19.8
Efficiency (EER)	11.9	13	14.2	15.4	16.8	18.3	19.8	21.5	23.2	25.1	27.1
SIT (°F)	21	25	29	33	37	41	44.4	47.8	51.2	54.4	57.5

80°F

Capacity (Btu/hr)*	125,722	138,764	152,832	167,972	184,230	201,642	220,980	240,876	262,922	285,390	310,231
Evap (Lb/hr)	1322	1480	1654	1846	2056	2288	2542	2820	3124	3456	3819
Cond (Lb/hr)	1557	1720	1896	2087	2293	2516	2765	3024	3314	3614	3950
Power (kW)	12.3	12.4	12.6	12.7	12.8	12.9	13.1	13.2	13.3	13.4	13.5
Current (Amps)	20.4	20.5	20.7	20.8	21	21.1	21.3	21.4	21.5	21.6	21.7
Efficiency (EER)	10.2	11.2	12.2	13.2	14.4	15.6	16.9	18.3	19.8	21.3	22.9
SIT (°F)	24	28	32	36	40	44	47.3	50.9	54.4	57.8	61

90°F

Capacity (Btu/hr)*	120,974	133,653	146,866	161,524	177,267	194,136	212,889	232,193	252,713	275,460	298,541
Evap (Lb/hr)	1280	1434	1604	1792	1998	2225	2473	2746	3045	3372	3730
Cond (Lb/hr)	1560	1724	1896	2088	2295	2520	2771	3032	3313	3629	3954
Power (kW)	13.8	14	14.1	14.3	14.5	14.6	14.8	15	15.1	15.3	15.4
Current (Amps)	22.2	22.4	22.5	22.8	22.9	23.1	23.4	23.5	23.7	23.9	24
Efficiency (EER)	8.8	9.5	10.4	11.3	12.2	13.3	14.4	15.5	16.7	18	19.4
SIT (°F)	26	30	35	39	43	47	50.5	54.2	57.8	61.2	64.6

100°F

Capacity (Btu/hr)*	115,215	127,466	140,229	154,388	169,600	185,908	203,352	221,963	242,644	263,753	287,169
Evap (Lb/hr)	1230	1381	1546	1729	1931	2152	2395	2662	2955	3277	3629
Cond (Lb/hr)	1550	1715	1888	2081	2290	2516	2759	3022	3317	3622	3965
Power (kW)	15.5	15.8	15.9	16.2	16.4	16.6	16.8	17	17.2	17.4	17.6
Current (Amps)	24.2	24.5	24.7	25	25.2	25.5	25.7	25.9	26.3	26.4	26.7
Efficiency (EER)	7.4	8.1	8.8	9.6	10.4	11.2	12.1	13.1	14.1	15.2	16.3
SIT (°F)	29	33	38	42	46	50	53.8	57.6	61.3	64.9	68.3

110°F

Capacity (Btu/hr)*	108,702	120,509	132,808	146,453	161,117	176,848	193,690	211,677	230,839	251,193	273,813
Evap (Lb/hr)	1171	1317	1479	1656	1852	2068	2305	2566	2853	3168	3513
Cond (Lb/hr)	1530	1696	1870	2064	2275	2502	2747	3012	3298	3605	3951
Power (kW)	17.4	17.7	18	18.2	18.5	18.8	19	19.2	19.5	19.7	20
Current (Amps)	26.6	26.9	27.2	27.6	27.9	28.2	28.6	28.9	29.1	29.4	29.8
Efficiency (EER)	6.2	6.8	7.4	8	8.7	9.4	10.2	11	11.9	12.8	13.7
SIT (°F)	32	36	41	45	49	53	57.3	61.2	65	68.6	72.2

120°F

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

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
120°F to 130°F SCT, 0°F to 50°F SST see page 8

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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 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 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

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.

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 20
Displacement 44 CFM @ 60 Hz

SCT
70°F

SST (°F)	-40	-35	-30	-25	-20	-15	-10	-5	0
Capacity (Btu/hr)*	61,722	69,526	78,008	87,007	97,020	107,909	119,739	132,572	146,470
Evap (Lb/hr)	582	663	752	851	960	1082	1215	1363	1527
Cond (Lb/hr)	740	832	932	1039	1157	1286	1427	1580	1747
Power (kW)	10.9	11.1	11.4	11.6	11.8	11.9	12.1	12.2	12.4
Current (Amps)	21.7	22.2	22.7	23.1	23.4	23.6	23.8	23.9	24
Efficiency (EER)	5.7	6.2	6.9	7.5	8.3	9	9.9	10.8	11.9
SIT (°F)	-12	-8	-4	1	5	9	13	17	21
80°F									
Capacity (Btu/hr)*	58,739	66,365	74,769	83,868	93,731	104,132	115,681	128,185	141,705
Evap (Lb/hr)	557	638	727	825	933	1052	1184	1330	1490
Cond (Lb/hr)	732	826	929	1041	1162	1290	1432	1587	1755
Power (kW)	12.2	12.5	12.7	13	13.2	13.4	13.6	13.7	13.9
Current (Amps)	23.5	24.1	24.7	25.2	25.7	25.9	26.2	26.4	26.5
Efficiency (EER)	4.8	5.3	5.9	6.5	7.1	7.8	8.5	9.3	10.2
SIT (°F)	-10	-5	-1	3	7	12	16	20	24
90°F									
Capacity (Btu/hr)*	55,252	62,991	71,119	80,058	89,709	100,140	111,098	123,245	136,362
Evap (Lb/hr)	528	608	697	794	900	1018	1147	1290	1447
Cond (Lb/hr)	718	817	921	1035	1158	1292	1432	1588	1758
Power (kW)	13.6	14	14.2	14.5	14.8	15	15.2	15.4	15.6
Current (Amps)	25.7	26.5	27.1	27.7	28.2	28.7	29	29.3	29.5
Efficiency (EER)	4.1	4.5	5	5.5	6.1	6.7	7.3	8	8.7
SIT (°F)	-7	-3	2	6	10	14	19	23	27
100°F									
Capacity (Btu/hr)*	51,291	58,940	66,937	75,685	85,096	95,239	105,871	117,635	130,324
Evap (Lb/hr)	494	574	661	757	861	976	1103	1242	1395
Cond (Lb/hr)	696	798	905	1021	1147	1282	1424	1582	1752
Power (kW)	15.2	15.6	15.9	16.2	16.5	16.8	17.1	17.3	17.6
Current (Amps)	28.3	29.2	29.9	30.7	31.3	31.8	32.2	32.6	33
Efficiency (EER)	3.4	3.8	4.2	4.7	5.1	5.7	6.2	6.8	7.4
SIT (°F)	-4	0	5	9	13	17	22	26	30
110°F									
Capacity (Btu/hr)*	46,731	54,259	62,097	70,625	79,768	89,335	99,876	111,231	123,468
Evap (Lb/hr)	453	532	618	712	814	926	1050	1185	1334
Cond (Lb/hr)	665	770	879	998	1125	1259	1406	1565	1737
Power (kW)	17	17.4	17.8	18.1	18.5	18.8	19.1	19.5	19.8
Current (Amps)	31.4	32.5	33.3	34.2	34.9	35.5	36.1	36.6	37.1
Efficiency (EER)	2.8	3.1	3.5	3.9	4.3	4.8	5.2	5.7	6.2
SIT (°F)	-1	3	8	12	16	21	25	29	33
120°F									
Capacity (Btu/hr)*	41,328	48,685	56,468	64,748	73,382	82,832	92,983	103,587	115,303
Evap (Lb/hr)	405	483	567	658	758	866	986	1117	1262
Cond (Lb/hr)	618	726	840	961	1087	1225	1374	1529	1701
Power (kW)	18.9	19.4	19.8	20.3	20.7	21.1	21.5	21.8	22.2
Current (Amps)	35.1	36.3	37.4	38.3	39.1	39.9	40.6	41.1	41.7
Efficiency (EER)	2.2	2.5	2.8	3.2	3.6	3.9	4.3	4.7	5.2
SIT (°F)	3	7	11	15	20	24	28	33	37
SST (°F)	-40	-35	-30	-25	-20	-15	-10	-5	0

120°F to 130°F SCT, -40°F to 0°F SST see page 10
70°F to 120°F SCT, 0°F to 5°F SST see page 11
120°F to 130°F SCT, 0°F to 50°F SST see page 12

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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 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 20
 Displacement 44 CFM @ 60 Hz

SCT

120°F	SST (°F)	-40	-35	-30	-25	-20	-15	-10	-5	0
Capacity (Btu/hr)*		41,328	48,685	56,468	64,748	73,382	82,832	92,983	103,587	115,303
Evap (Lb/hr)		405	483	567	658	758	866	986	1117	1262
Cond (Lb/hr)		618	726	840	961	1087	1225	1374	1529	1701
Power (kW)		18.9	19.4	19.8	20.3	20.7	21.1	21.5	21.8	22.2
Current (Amps)		35.1	36.3	37.4	38.3	39.1	39.9	40.6	41.1	41.7
Efficiency (EER)		2.2	2.5	2.8	3.2	3.6	3.9	4.3	4.7	5.2
SIT (°F)		3	7	11	15	20	24	28	33	37

130°F	SST (°F)	-40	-35	-30	-25	-20	-15	-10	-5	0
Capacity (Btu/hr)*		35,182	42,243	49,774	57,751	66,049	75,097	84,798	94,925	106,098
Evap (Lb/hr)		348	424	505	594	690	795	910	1036	1176
Cond (Lb/hr)		555	664	780	903	1031	1170	1320	1476	1648
Power (kW)		21.1	21.6	22.1	22.7	23.1	23.6	24.1	24.5	24.9
Current (Amps)		39.6	40.8	42	43.1	44	44.9	45.8	46.4	47.1
Efficiency (EER)		1.7	2	2.2	2.5	2.9	3.2	3.5	3.9	4.3
SIT (°F)		6	11	15	19	24	28	32	37	41
	SST (°F)	-40	-35	-30	-25	-20	-15	-10	-5	0

70°F to 120°F SCT, -40°F to 0°F SST see page 9
 70°F to 120°F SCT, 0°F to 50°F SST see page 11
 120°F to 130°F SCT, 0°F to 50°F SST see page 12

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 30
Displacement 44 CFM @ 60 Hz

SCT
70°F

SST (°F)	0	5	10	15	20	25	30	35	40	45	50
70°F											
Capacity (Btu/hr)*	146,470	161,008	177,684	195,105	213,798	233,800	255,145	278,794	302,987	329,730	358,104
Evap (Lb/hr)	1527	1707	1906	2124	2364	2627	2915	3230	3575	3951	4361
Cond (Lb/hr)	1747	1921	2123	2334	2563	2809	3075	3372	3679	4023	4392
Power (kW)	12.4	12.4	12.6	12.7	12.8	12.8	12.9	13	13.1	13.2	13.3
Current (Amps)	24	24	24	23.9	23.8	23.7	23.6	23.5	23.3	23.2	23.2
Efficiency (EER)	11.9	13	14.1	15.4	16.8	18.2	19.8	21.4	23.1	24.9	26.8
SIT (°F)	21	26	29	33	37	41	44.6	48.1	51.5	54.8	57.9
80°F											
Capacity (Btu/hr)*	141,705	156,301	172,028	188,939	207,082	226,499	247,224	270,209	293,728	319,760	347,408
Evap (Lb/hr)	1490	1667	1862	2076	2312	2570	2853	3163	3502	3872	4277
Cond (Lb/hr)	1755	1937	2134	2347	2577	2826	3093	3392	3702	4050	4423
Power (kW)	13.9	14	14.2	14.3	14.4	14.5	14.7	14.8	14.9	15.1	15.2
Current (Amps)	26.5	26.6	26.7	26.7	26.7	26.6	26.5	26.5	26.4	26.4	26.4
Efficiency (EER)	10.2	11.1	12.1	13.2	14.4	15.6	16.9	18.2	19.7	21.2	22.8
SIT (°F)	24	28	32	36	40	44	47.6	51.2	54.7	58.1	61.3
90°F											
Capacity (Btu/hr)*	136,362	150,510	165,746	182,126	199,699	218,511	238,601	260,906	283,740	307,926	334,714
Evap (Lb/hr)	1447	1620	1811	2020	2251	2504	2781	3086	3419	3783	4182
Cond (Lb/hr)	1758	1941	2139	2354	2586	2836	3105	3407	3720	4056	4433
Power (kW)	15.6	15.8	16	16.2	16.3	16.5	16.6	16.9	17	17.2	17.4
Current (Amps)	29.5	29.7	29.8	29.9	30	30	30	30.1	30	30	30
Efficiency (EER)	8.7	9.5	10.4	11.3	12.2	13.2	14.3	15.5	16.7	17.9	19.3
SIT (°F)	27	31	35	39	43	47	50.8	54.5	58.1	61.6	64.9
100°F											
Capacity (Btu/hr)*	130,324	144,000	158,723	174,551	191,536	209,727	229,166	249,891	271,927	296,394	321,219
Evap (Lb/hr)	1395	1564	1750	1955	2180	2428	2699	2997	3324	3682	4074
Cond (Lb/hr)	1752	1937	2137	2353	2586	2838	3109	3402	3716	4070	4435
Power (kW)	17.6	17.8	18	18.3	18.5	18.7	18.9	19.1	19.3	19.6	19.8
Current (Amps)	33	33.3	33.5	33.7	33.8	33.9	34	34.1	34.1	34.3	34.3
Efficiency (EER)	7.4	8.1	8.8	9.6	10.4	11.2	12.1	13.1	14.1	15.1	16.2
SIT (°F)	30	34	38	42	46	50	54.3	58.1	61.7	65.3	68.8
110°F											
Capacity (Btu/hr)*	123,468	136,220	150,353	165,548	181,859	199,338	218,032	237,980	259,214	282,833	306,822
Evap (Lb/hr)	1334	1499	1679	1879	2098	2339	2604	2896	3216	3567	3952
Cond (Lb/hr)	1737	1916	2116	2333	2567	2819	3092	3386	3703	4059	4428
Power (kW)	19.8	20	20.3	20.6	20.9	21.2	21.4	21.7	22	22.3	22.6
Current (Amps)	37.1	37.3	37.7	38	38.2	38.4	38.6	38.7	38.9	39.1	39.2
Efficiency (EER)	6.2	6.8	7.4	8	8.7	9.4	10.2	11	11.8	12.7	13.6
SIT (°F)	33	38	42	46	50	54	58	61.9	65.7	69.4	72.9
120°F											
Capacity (Btu/hr)*	115,303	127,918	141,034	155,578	171,200	187,955	205,892	225,057	245,487	267,210	291,411
Evap (Lb/hr)	1262	1421	1596	1789	2002	2236	2495	2779	3091	3435	3814
Cond (Lb/hr)	1701	1888	2082	2299	2533	2787	3061	3357	3676	4020	4409
Power (kW)	22.2	22.6	22.9	23.2	23.6	23.9	24.3	24.6	24.9	25.3	25.7
Current (Amps)	41.7	42.2	42.5	42.9	43.3	43.6	43.9	44.1	44.3	44.5	44.9
Efficiency (EER)	5.2	5.7	6.2	6.7	7.3	7.9	8.5	9.1	9.8	10.6	11.3
SIT (°F)	37	41	46	50	54	58	62.1	66.1	69.9	73.7	77.4
SST (°F)	0	5	10	15	20	25	30	35	40	45	50

70°F to 120°F SCT, -40°F to 0°F SST see page 9
120°F to 130°F SCT, -40°F to 0°F SST see page 10
120°F to 130°F SCT, 0°F to 50°F SST see page 12

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 30
 Displacement 44 CFM @ 60 Hz

SCT
120°F

SST (°F)	0	5	10	15	20	25	30	35	40	45	50
Capacity (Btu/hr)*	115,303	127,918	141,034	155,578	171,200	187,955	205,892	225,057	245,487	267,210	291,411
Evap (Lb/hr)	1262	1421	1596	1789	2002	2236	2495	2779	3091	3435	3814
Cond (Lb/hr)	1701	1888	2082	2299	2533	2787	3061	3357	3676	4020	4409
Power (kW)	22.2	22.6	22.9	23.2	23.6	23.9	24.3	24.6	24.9	25.3	25.7
Current (Amps)	41.7	42.2	42.5	42.9	43.3	43.6	43.9	44.1	44.3	44.5	44.9
Efficiency (EER)	5.2	5.7	6.2	6.7	7.3	7.9	8.5	9.1	9.8	10.6	11.3
SIT (°F)	37	41	46	50	54	58	62.1	66.1	69.9	73.7	77.4

130°F

SST (°F)	0	5	10	15	20	25	30	35	40	45	50
Capacity (Btu/hr)*	106,098	118,126	130,638	144,514	159,432	175,449	191,910	210,196	229,719	251,520	273,731
Evap (Lb/hr)	1176	1329	1498	1685	1890	2117	2368	2644	2949	3285	3656
Cond (Lb/hr)	1648	1835	2030	2247	2483	2737	3002	3298	3619	3981	4357
Power (kW)	24.9	25.4	25.7	26.2	26.6	27	27.4	27.8	28.2	28.7	29.2
Current (Amps)	47.1	47.8	48.2	48.7	49.2	49.6	49.8	50.2	50.5	51	51.3
Efficiency (EER)	4.3	4.7	5.1	5.5	6	6.5	7	7.6	8.1	8.8	9.4
SIT (°F)	41	45	50	54	58	62	66.5	70.6	74.6	78.5	82.3
SST (°F)	0	5	10	15	20	25	30	35	40	45	50

70°F to 120°F SCT, -40°F to 0°F SST see page 9
 120°F to 130°F SCT, -40°F to 0°F SST see page 10
 70°F to 120°F SCT, 0°F to 50°F SST see page 11

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 48 CFM @ 60 Hz

SCT
70°F

SST (°F)	-40	-35	-30	-25	-20	-15	-10	-5	0
Capacity (Btu/hr)*	68,056	76,679	85,982	96,049	106,961	118,800	131,644	145,571	160,188
Evap (Lb/hr)	643	733	831	940	1059	1191	1336	1497	1675
Cond (Lb/hr)	815	917	1027	1146	1276	1416	1569	1735	1910
Power (kW)	11.8	12.1	12.3	12.5	12.7	12.9	13.1	13.2	13.3
Current (Amps)	21.2	21.5	21.7	22	22.2	22.3	22.5	22.7	22.7
Efficiency (EER)	5.8	6.4	7	7.7	8.4	9.2	10.1	11	12.1
SIT (°F)	-11	-7	-3	1	5	9	13	17	22
Capacity (Btu/hr)*	64,639	73,274	82,545	92,287	103,046	114,685	127,285	140,923	155,677
Evap (Lb/hr)	614	704	802	910	1029	1159	1303	1462	1637
Cond (Lb/hr)	805	912	1025	1145	1277	1420	1576	1745	1928
Power (kW)	13.2	13.5	13.8	14	14.2	14.4	14.6	14.8	15
Current (Amps)	22.7	23	23.3	23.5	23.7	23.9	24.1	24.3	24.5
Efficiency (EER)	4.9	5.4	6	6.6	7.2	7.9	8.7	9.5	10.4
SIT (°F)	-9	-5	-1	4	8	12	16	20	24
Capacity (Btu/hr)*	61,021	69,594	78,755	88,589	98,905	110,296	122,604	135,907	150,283
Evap (Lb/hr)	584	674	772	878	995	1124	1266	1422	1595
Cond (Lb/hr)	792	902	1019	1145	1277	1422	1580	1751	1937
Power (kW)	14.7	15.1	15.4	15.7	15.9	16.2	16.4	16.6	16.8
Current (Amps)	24.3	24.6	25	25.3	25.5	25.8	26.1	26.3	26.5
Efficiency (EER)	4.1	4.6	5.1	5.6	6.2	6.8	7.5	8.2	8.9
SIT (°F)	-6	-2	2	6	11	15	19	23	27
Capacity (Btu/hr)*	57,128	65,591	74,595	84,226	94,567	105,401	117,371	130,294	144,249
Evap (Lb/hr)	551	640	737	842	957	1083	1223	1376	1545
Cond (Lb/hr)	775	888	1008	1137	1274	1419	1579	1752	1940
Power (kW)	16.4	16.8	17.2	17.5	17.8	18.1	18.4	18.6	18.9
Current (Amps)	26.1	26.6	27	27.4	27.7	28	28.4	28.7	29
Efficiency (EER)	3.5	3.9	4.3	4.8	5.3	5.8	6.4	7	7.6
SIT (°F)	-3	1	5	9	13	18	22	26	30
Capacity (Btu/hr)*	52,712	61,019	69,821	79,204	88,998	99,760	111,350	123,851	137,343
Evap (Lb/hr)	513	600	695	798	911	1034	1170	1319	1484
Cond (Lb/hr)	749	865	988	1119	1255	1405	1567	1742	1932
Power (kW)	18.3	18.7	19.1	19.5	19.9	20.2	20.6	20.9	21.2
Current (Amps)	28.3	28.8	29.3	29.8	30.2	30.6	31	31.4	31.8
Efficiency (EER)	2.9	3.3	3.6	4.1	4.5	4.9	5.4	5.9	6.5
SIT (°F)	0	4	8	12	17	21	25	29	33
Capacity (Btu/hr)*	47,393	55,475	64,004	73,066	82,746	93,128	103,985	115,981	128,923
Evap (Lb/hr)	466	552	644	745	854	974	1106	1251	1411
Cond (Lb/hr)	708	826	951	1084	1225	1377	1536	1712	1902
Power (kW)	20.3	20.8	21.3	21.8	22.3	22.7	23	23.5	23.8
Current (Amps)	30.7	31.3	31.9	32.5	33.1	33.6	34	34.6	35.1
Efficiency (EER)	2.3	2.7	3	3.4	3.7	4.1	4.5	4.9	5.4
SIT (°F)	4	8	12	16	20	24	29	33	37
SST (°F)	-40	-35	-30	-25	-20	-15	-10	-5	0

120°F to 130°F SCT, -40°F to 0°F SST see page 14
70°F to 120°F SCT, 0°F to 50°F SST see page 15
120°F to 130°F SCT, 0°F to 50°F SST see page 16

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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 48 CFM @ 60 Hz

SCT

120°F		SST (°F)	-40	-35	-30	-25	-20	-15	-10	-5	0
Capacity (Btu/hr)*			47,393	55,475	64,004	73,066	82,746	93,128	103,985	115,981	128,923
Evap (Lb/hr)			466	552	644	745	854	974	1106	1251	1411
Cond (Lb/hr)			708	826	951	1084	1225	1377	1536	1712	1902
Power (kW)			20.3	20.8	21.3	21.8	22.3	22.7	23	23.5	23.8
Current (Amps)			30.7	31.3	31.9	32.5	33.1	33.6	34	34.6	35.1
Efficiency (EER)			2.3	2.7	3	3.4	3.7	4.1	4.5	4.9	5.4
SIT (°F)			4	8	12	16	20	24	29	33	37

130°F		SST (°F)	-40	-35	-30	-25	-20	-15	-10	-5	0
Capacity (Btu/hr)*			41,180	49,018	57,258	65,797	75,068	84,997	95,666	106,828	119,187
Evap (Lb/hr)			408	492	581	678	784	900	1027	1166	1321
Cond (Lb/hr)			649	770	897	1029	1172	1324	1489	1661	1852
Power (kW)			22.7	23.3	23.9	24.4	24.9	25.4	25.9	26.3	26.8
Current (Amps)			33.6	34.3	35	35.6	36.3	37	37.7	38.2	38.8
Efficiency (EER)			1.8	2.1	2.4	2.7	3	3.3	3.7	4.1	4.4
SIT (°F)			7	11	15	20	24	28	32	37	41
		SST (°F)	-40	-35	-30	-25	-20	-15	-10	-5	0

70°F to 120°F SCT, -40°F to 0°F SST see page 13
 70°F to 120°F SCT, 0°F to 50°F SST see page 15
 120°F to 130°F SCT, 0°F to 50°F SST see page 16

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 30
 Displacement 48 CFM @ 60 Hz

SCT
 70°F

SST (°F)	0	5	10	15	20	25	30	35	40	45	50
Capacity (Btu/hr)*	160,188	176,444	193,992	213,553	233,939	255,788	279,139	305,049	332,735	360,960	392,144
Evap (Lb/hr)	1675	1871	2087	2325	2586	2874	3189	3534	3912	4325	4775
Cond (Lb/hr)	1910	2105	2317	2555	2804	3074	3364	3689	4041	4404	4810
Power (kW)	13.3	13.4	13.5	13.6	13.7	13.8	13.9	14	14.1	14.2	14.3
Current (Amps)	22.7	22.9	23	23.2	23.3	23.3	23.4	23.6	23.8	23.8	24
Efficiency (EER)	12.1	13.2	14.4	15.7	17	18.5	20.1	21.8	23.5	25.4	27.4
SIT (°F)	22	26	30	33	37	41	44.6	48.1	51.5	54.7	57.8

80°F

Capacity (Btu/hr)*	155,677	171,619	188,819	207,340	227,242	248,576	271,383	296,713	322,668	351,423	381,985
Evap (Lb/hr)	1637	1831	2044	2278	2537	2820	3132	3473	3847	4256	4702
Cond (Lb/hr)	1928	2127	2342	2576	2828	3101	3395	3725	4067	4451	4864
Power (kW)	15	15.1	15.3	15.4	15.5	15.6	15.7	15.9	16	16.2	16.3
Current (Amps)	24.5	24.7	24.8	25	25.1	25.2	25.4	25.6	25.7	25.9	26.1
Efficiency (EER)	10.4	11.4	12.4	13.5	14.6	15.9	17.2	18.7	20.2	21.7	23.4
SIT (°F)	24	28	32	36	40	44	47.7	51.3	54.7	58	61.2

90°F

Capacity (Btu/hr)*	150,283	165,806	182,548	201,950	224,726	250,950	280,657	312,988	348,848	389,348	435,612
Evap (Lb/hr)	1595	1785	1994	22479	2558	2937	3365	3842	4371	4956	5608
Cond (Lb/hr)	1937	2138	2356	2593	2850	3140	3462	3817	4207	4634	5100
Power (kW)	16.8	17	17.2	17.5	17.7	17.8	18	18.2	18.4	18.6	18.6
Current (Amps)	26.5	26.8	27	27.4	27.5	27.7	27.9	28.2	28.3	28.6	28.6
Efficiency (EER)	8.9	9.8	10.6	12.5	13.6	14.7	15.9	17.2	18.5	19.9	21.9
SIT (°F)	27	31	35	40	43	47	50.9	54.6	58.1	61.5	64.8

100°F

Capacity (Btu/hr)*	144,249	159,311	175,554	192,424	211,156	232,037	253,641	276,709	301,271	328,562	356,280
Evap (Lb/hr)	1545	1731	1936	2162	2411	2686	2987	3319	3683	4082	4519
Cond (Lb/hr)	1940	2143	2363	2593	2850	3140	3441	3767	4118	4512	4919
Power (kW)	18.9	19.1	19.4	19.5	19.8	20	20.3	20.5	20.7	20.9	21.1
Current (Amps)	29	29.3	29.5	29.7	30	30.3	30.6	30.8	31.1	31.4	31.7
Efficiency (EER)	7.6	8.3	9.1	9.8	10.7	11.6	12.5	13.5	14.6	15.7	16.9
SIT (°F)	30	34	38	43	47	50	54.3	58	61.7	65.1	68.5

110°F

Capacity (Btu/hr)*	137,343	151,427	167,073	183,928	202,061	221,532	242,394	264,694	289,535	314,924	341,822
Evap (Lb/hr)	1484	1666	1866	2087	2331	2599	2895	3221	3578	3972	4403
Cond (Lb/hr)	1932	2130	2352	2592	2852	3133	3437	3766	4136	4520	4933
Power (kW)	21.2	21.5	21.8	22.1	22.4	22.6	22.9	23.2	23.5	23.8	24.1
Current (Amps)	31.8	32.1	32.5	32.8	33.2	33.5	33.9	34.2	34.7	35	35.3
Efficiency (EER)	6.5	7	7.7	8.3	9	9.8	10.6	11.4	12.3	13.2	14.2
SIT (°F)	33	38	42	46	50	54	57.9	61.8	65.5	69.1	72.5

120°F

Capacity (Btu/hr)*	128,923	142,893	157,451	173,637	191,066	209,800	229,898	251,410	274,374	299,984	326,058
Evap (Lb/hr)	1411	1587	1782	1997	2234	2496	2785	3104	3455	3842	4267
Cond (Lb/hr)	1902	2109	2324	2566	2827	3111	3418	3750	4109	4514	4933
Power (kW)	23.8	24.2	24.5	24.9	25.3	25.6	26	26.3	26.7	27.1	27.4
Current (Amps)	35.1	35.5	35.9	36.4	36.8	37.3	37.7	38.2	38.6	39.2	39.6
Efficiency (EER)	5.4	5.9	6.4	7	7.6	8.2	8.9	9.6	10.3	11.1	11.9
SIT (°F)	37	41	46	50	54	58	61.9	65.8	69.6	73.3	76.9
SST (°F)	0	5	10	15	20	25	30	35	40	45	50

70°F to 120°F SCT, -40°F to 0°F SST see page 13
 120°F to 130°F SCT, -40°F to 0°F SST see page 14
 120°F to 130°F SCT, 0°F to 50°F SST see page 16

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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 30
 Displacement 48 CFM @ 60 Hz

SCT

120°F		SST (°F)	0	5	10	15	20	25	30	35	40	45	50
Capacity (Btu/hr)*			128,923	142,893	157,451	173,637	191,066	209,800	229,898	251,410	274,374	299,984	326,058
Evap (Lb/hr)			1411	1587	1782	1997	2234	2496	2785	3104	3455	3842	4267
Cond (Lb/hr)			1902	2109	2324	2566	2827	3111	3418	3750	4109	4514	4933
Power (kW)			23.8	24.2	24.5	24.9	25.3	25.6	26	26.3	26.7	27.1	27.4
Current (Amps)			35.1	35.5	35.9	36.4	36.8	37.3	37.7	38.2	38.6	39.2	39.6
Efficiency (EER)			5.4	5.9	6.4	7	7.6	8.2	8.9	9.6	10.3	11.1	11.9
SIT (°F)			37	41	46	50	54	58	61.9	65.8	69.6	73.3	76.9
130°F													
Capacity (Btu/hr)*			119,187	132,532	146,453	161,942	178,640	196,615	215,930	236,639	258,787	282,407	307,520
Evap (Lb/hr)			1321	1491	1679	1888	2118	2373	2655	2966	3309	3689	4107
Cond (Lb/hr)			1852	2059	2276	2518	2782	3068	3378	3714	4077	4471	4896
Power (kW)			26.8	27.3	27.7	28.1	28.6	29	29.4	29.9	30.3	30.7	31.1
Current (Amps)			38.8	39.4	39.9	40.5	41.1	41.7	42.2	42.8	43.4	43.9	44.5
Efficiency (EER)			4.4	4.9	5.3	5.8	6.3	6.8	7.3	7.9	8.5	9.2	9.9
SIT (°F)			41	45	50	54	58	62	66.3	70.3	74.2	77.9	81.6
		SST (°F)	0	5	10	15	20	25	30	35	40	45	50

70°F to 120°F SCT, -40°F to 0°F SST see page 13
 120°F to 130°F SCT, -40°F to 0°F SST see page 14
 70°F to 120°F SCT, 0°F to 50°F SST see page 15

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
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

70°F

SST (°F)	-40	-35	-30	-25	-20	-15	-10	-5	0
Capacity (Btu/hr)*	76,722	86,370	96,874	108,311	120,756	134,286	148,975	164,895	182,115
Evap (Lb/hr)	727	828	939	1062	1199	1350	1517	1701	1904
Cond (Lb/hr)	918	1033	1157	1292	1440	1600	1775	1965	2171
Power (kW)	13.6	13.9	14.2	14.4	14.6	14.8	14.9	15.1	15.2
Current (Amps)	23.1	23.4	23.7	23.9	24.2	24.4	24.5	24.7	24.8
Efficiency (EER)	5.6	6.2	6.8	7.5	8.3	9.1	10	10.9	12
SIT (°F)	-10	-6	-2	2	6	10	14	18	22

80°F

Capacity (Btu/hr)*	73,413	83,035	93,454	104,747	116,991	130,262	144,636	160,186	176,981
Evap (Lb/hr)	701	802	913	1036	1171	1320	1485	1667	1867
Cond (Lb/hr)	914	1032	1160	1299	1449	1613	1790	1982	2191
Power (kW)	15.3	15.6	15.9	16.1	16.4	16.6	16.8	16.9	17.1
Current (Amps)	24.8	25.1	25.5	25.8	26	26.3	26.5	26.7	26.9
Efficiency (EER)	4.8	5.3	5.9	6.5	7.2	7.9	8.6	9.5	10.4
SIT (°F)	-7	-3	1	5	9	13	17	21	25

90°F

Capacity (Btu/hr)*	69,763	79,317	89,610	100,719	112,723	125,698	139,720	154,863	171,200
Evap (Lb/hr)	671	772	883	1004	1138	1285	1447	1625	1822
Cond (Lb/hr)	905	1027	1158	1300	1454	1620	1800	1995	2206
Power (kW)	17	17.4	17.7	18	18.3	18.6	18.8	19	19.2
Current (Amps)	26.7	27.2	27.5	27.9	28.2	28.6	28.9	29.1	29.4
Efficiency (EER)	4.1	4.6	5.1	5.6	6.2	6.8	7.4	8.1	8.9
SIT (°F)	-4	0	4	8	12	16	20	24	28

100°F

Capacity (Btu/hr)*	65,649	75,096	85,224	96,112	107,838	120,480	134,116	148,819	164,665
Evap (Lb/hr)	637	737	846	966	1097	1242	1401	1576	1769
Cond (Lb/hr)	889	1015	1150	1295	1452	1620	1803	2000	2213
Power (kW)	19	19.4	19.8	20.1	20.5	20.8	21.1	21.4	21.7
Current (Amps)	29	29.5	30	30.4	30.8	31.2	31.6	32	32.4
Efficiency (EER)	3.5	3.9	4.3	4.8	5.3	5.8	6.4	7	7.6
SIT (°F)	-1	3	7	11	15	19	23	27	31

110°F

Capacity (Btu/hr)*	60,949	70,250	80,176	90,805	102,218	114,493	127,328	141,510	156,778
Evap (Lb/hr)	596	695	803	920	1049	1191	1346	1517	1705
Cond (Lb/hr)	865	995	1133	1281	1440	1611	1790	1989	2203
Power (kW)	21.1	21.6	22.1	22.5	23	23.4	23.7	24	24.4
Current (Amps)	31.6	32.2	32.8	33.4	33.9	34.4	34.8	35.3	35.8
Efficiency (EER)	2.9	3.2	3.6	4	4.5	4.9	5.4	5.9	6.4
SIT (°F)	2	6	10	14	18	22	27	31	35

120°F

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

120°F to 130°F SCT, -40°F to 0°F SST see page 18
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

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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

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

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 35
Displacement 54 CFM @ 60 Hz

SCT
70°F

SST (°F)	0	5	10	15	20	25	30	35	40	45	50
Capacity (Btu/hr)*	182,115	200,702	220,719	242,222	266,106	290,827	317,173	346,338	376,127	409,029	443,895
Evap (Lb/hr)	1904	2128	2374	2645	2942	3268	3624	4013	4438	4901	5405
Cond (Lb/hr)	2171	2394	2636	2897	3190	3495	3822	4189	4567	4990	5445
Power (kW)	15.2	15.3	15.4	15.5	15.6	15.7	15.8	16	16.1	16.2	16.4
Current (Amps)	24.8	25	25.1	25.2	25.4	25.5	25.6	25.7	25.8	26	26.1
Efficiency (EER)	12	13.1	14.3	15.6	17	18.5	20	21.7	23.4	25.2	27.1
SIT (°F)	22	26	30	34	37	41	44.8	48.3	51.7	55.1	58.2

80°F

Capacity (Btu/hr)*	176,981	195,091	214,578	235,502	257,917	282,796	308,429	335,673	365,828	397,895	430,319
Evap (Lb/hr)	1867	2087	2330	2596	2888	3209	3559	3943	4361	4819	5317
Cond (Lb/hr)	2191	2417	2661	2925	3209	3528	3859	4214	4611	5039	5479
Power (kW)	17.1	17.2	17.4	17.5	17.7	17.8	18	18.1	18.3	18.5	18.7
Current (Amps)	26.9	27.1	27.3	27.4	27.6	27.8	28	28.1	28.3	28.6	28.7
Efficiency (EER)	10.4	11.3	12.3	13.4	14.6	15.9	17.2	18.5	20	21.5	23.1
SIT (°F)	25	29	33	37	41	44	48	51.6	55.1	58.4	61.7

90°F

Capacity (Btu/hr)*	171,200	188,799	207,726	228,042	249,804	273,060	298,871	325,346	353,418	384,499	417,482
Evap (Lb/hr)	1822	2038	2276	2538	2825	3139	3484	3861	4274	4724	5216
Cond (Lb/hr)	2206	2434	2680	2947	3234	3543	3889	4248	4633	5064	5529
Power (kW)	19.2	19.4	19.6	19.8	20	20.2	20.4	20.6	20.8	21.1	21.3
Current (Amps)	29.4	29.7	29.9	30.2	30.4	30.6	30.9	31.1	31.3	31.6	31.9
Efficiency (EER)	8.9	9.7	10.6	11.5	12.5	13.5	14.6	15.8	17	18.3	19.6
SIT (°F)	28	32	36	40	44	48	51.4	55	58.6	62	65.3

100°F

Capacity (Btu/hr)*	164,665	181,723	200,062	219,745	240,831	263,373	287,416	312,994	341,373	370,221	402,184
Evap (Lb/hr)	1769	1980	2213	2469	2750	3059	3397	3767	4173	4616	5101
Cond (Lb/hr)	2213	2443	2692	2961	3251	3563	3899	4260	4665	5083	5552
Power (kW)	21.7	21.9	22.2	22.5	22.7	22.9	23.2	23.4	23.8	24	24.4
Current (Amps)	32.4	32.7	33.1	33.4	33.7	34	34.3	34.6	35	35.3	35.8
Efficiency (EER)	7.6	8.3	9	9.8	10.6	11.5	12.4	13.4	14.4	15.4	16.5
SIT (°F)	31	35	39	43	47	51	55	58.7	62.3	65.8	69.3

110°F

Capacity (Btu/hr)*	156,778	173,206	190,862	209,812	230,119	251,836	275,013	299,689	327,109	354,994	385,945
Evap (Lb/hr)	1705	1911	2139	2389	2663	2965	3296	3660	4058	4494	4972
Cond (Lb/hr)	2203	2435	2685	2955	3247	3561	3899	4263	4672	5094	5569
Power (kW)	24.4	24.7	25.1	25.4	25.7	26	26.4	26.7	27.1	27.5	27.9
Current (Amps)	35.8	36.2	36.7	37.1	37.5	38	38.4	38.8	39.3	39.7	40.3
Efficiency (EER)	6.4	7	7.6	8.3	8.9	9.7	10.4	11.2	12.1	12.9	13.8
SIT (°F)	35	39	43	47	51	55	58.9	62.7	66.4	70	73.5

120°F

Capacity (Btu/hr)*	147,945	163,718	180,670	198,869	218,381	239,263	261,569	285,341	310,614	338,734	367,211
Evap (Lb/hr)	1629	1830	2051	2295	2562	2857	3181	3536	3926	4355	4825
Cond (Lb/hr)	2181	2414	2665	2937	3230	3547	3888	4255	4651	5096	5555
Power (kW)	27.5	27.9	28.4	28.8	29.2	29.6	30.1	30.5	30.9	31.4	31.9
Current (Amps)	39.8	40.3	40.9	41.5	42.1	42.6	43.2	43.7	44.3	45	45.5
Efficiency (EER)	5.4	5.9	6.4	6.9	7.5	8.1	8.7	9.4	10.1	10.8	11.5
SIT (°F)	39	43	47	51	55	59	63.1	67	70.8	74.5	78.1

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

70°F to 120°F SCT, -40°F to 0°F SST see page 17
120°F to 130°F SCT, -40°F to 0°F SST see page 18
120°F to 130°F SCT, 0°F to 50°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

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 54 CFM @ 60 Hz

SCT

120°F		SST (°F)	0	5	10	15	20	25	30	35	40	45	50
Capacity (Btu/hr)*	147,945	163,718	180,670	198,869	218,381	239,263	261,569	285,341	310,614	338,734	367,211		
Evap (Lb/hr)	1629	1830	2051	2295	2562	2857	3181	3536	3926	4355	4825		
Cond (Lb/hr)	2181	2414	2665	2937	3230	3547	3888	4255	4651	5096	5555		
Power (kW)	27.5	27.9	28.4	28.8	29.2	29.6	30.1	30.5	30.9	31.4	31.9		
Current (Amps)	39.8	40.3	40.9	41.5	42.1	42.6	43.2	43.7	44.3	45	45.5		
Efficiency (EER)	5.4	5.9	6.4	6.9	7.5	8.1	8.7	9.4	10.1	10.8	11.5		
SIT (°F)	39	43	47	51	55	59	63.1	67	70.8	74.5	78.1		

130°F		SST (°F)	0	5	10	15	20	25	30	35	40	45	50
Capacity (Btu/hr)*	138,047	153,141	169,369	186,801	204,780	224,727	246,057	268,816	293,043	320,055	347,438		
Evap (Lb/hr)	1539	1734	1949	2185	2445	2732	3047	3395	3777	4197	4659		
Cond (Lb/hr)	2142	2377	2630	2903	3187	3505	3847	4217	4616	5066	5530		
Power (kW)	31.1	31.6	32.2	32.7	33.1	33.6	34.2	34.7	35.2	35.9	36.4		
Current (Amps)	44.4	45.2	45.9	46.6	47.2	47.9	48.6	49.3	50	50.9	51.6		
Efficiency (EER)	4.4	4.8	5.3	5.7	6.2	6.7	7.2	7.7	8.3	8.9	9.5		
SIT (°F)	43	47	51	55	60	64	67.7	71.7	75.6	79.4	83.1		

70°F to 120°F SCT, -40°F to 0°F SST see page 17
 120°F to 130°F SCT, -40°F to 0°F SST see page 18
 70°F to 120°F SCT, 0°F to 50°F SST see page 19

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 30
Displacement 65 CFM @ 60 Hz

SCT

70°F

SST (°F)	-40	-35	-30	-25	-20	-15	-10	-5	0
Capacity (Btu/hr)*	92,526	104,270	117,094	131,083	146,322	162,896	180,885	200,368	222,072
Evap (Lb/hr)	879	1002	1138	1289	1456	1642	1847	2073	2322
Cond (Lb/hr)	1107	1246	1397	1563	1744	1940	2154	2387	2647
Power (kW)	16.2	16.6	16.8	17.1	17.3	17.5	17.6	17.8	17.9
Current (Amps)	23.8	24.2	24.5	24.8	25.1	25.3	25.5	25.7	25.9
Efficiency (EER)	5.7	6.3	7	7.7	8.5	9.3	10.3	11.3	12.4
SIT (°F)	-9	-5	-1	3	7	11	15	19	22

80°F

Capacity (Btu/hr)*	89,292	100,965	113,658	127,458	142,450	159,166	176,853	195,987	216,645
Evap (Lb/hr)	855	978	1113	1264	1430	1613	1816	2039	2285
Cond (Lb/hr)	1111	1254	1410	1579	1764	1970	2188	2425	2682
Power (kW)	18.1	18.5	18.8	19.1	19.4	19.6	19.9	20.1	20.2
Current (Amps)	26.1	26.5	26.9	27.3	27.7	28	28.3	28.6	28.8
Efficiency (EER)	4.9	5.5	6	6.7	7.4	8.1	8.9	9.8	10.7
SIT (°F)	-6	-2	2	6	10	13	17	21	25

90°F

Capacity (Btu/hr)*	85,653	97,224	109,757	123,677	138,441	154,430	171,731	190,424	210,591
Evap (Lb/hr)	826	949	1084	1233	1397	1578	1778	1999	2241
Cond (Lb/hr)	1110	1258	1418	1596	1785	1990	2212	2453	2713
Power (kW)	20.1	20.6	21	21.4	21.7	22.1	22.3	22.6	22.8
Current (Amps)	28.7	29.2	29.7	30.3	30.7	31.1	31.5	31.8	32.1
Efficiency (EER)	4.3	4.7	5.2	5.8	6.4	7	7.7	8.4	9.2
SIT (°F)	-3	1	5	8	12	16	20	24	28

100°F

Capacity (Btu/hr)*	81,507	92,948	105,580	118,958	133,420	149,053	165,943	184,176	203,832
Evap (Lb/hr)	793	914	1048	1196	1358	1537	1734	1950	2189
Cond (Lb/hr)	1103	1256	1425	1603	1796	2005	2230	2475	2739
Power (kW)	22.5	23	23.6	24	24.4	24.8	25.2	25.5	25.8
Current (Amps)	31.7	32.4	33.1	33.6	34.2	34.7	35.1	35.6	36
Efficiency (EER)	3.6	4	4.5	5	5.5	6	6.6	7.2	7.9
SIT (°F)	0	4	7	11	15	19	23	27	31

110°F

Capacity (Btu/hr)*	76,749	88,033	100,163	113,229	127,320	142,523	158,927	176,617	195,678
Evap (Lb/hr)	752	873	1006	1151	1311	1486	1680	1893	2128
Cond (Lb/hr)	1088	1246	1415	1597	1793	2005	2234	2482	2750
Power (kW)	25.2	25.8	26.4	26.9	27.4	27.8	28.3	28.7	29.1
Current (Amps)	35.2	36	36.7	37.4	38	38.6	39.2	39.7	40.2
Efficiency (EER)	3	3.4	3.8	4.2	4.7	5.1	5.6	6.2	6.7
SIT (°F)	3	7	11	15	19	23	27	31	35

120°F

Capacity (Btu/hr)*	71,269	82,372	94,264	107,038	120,784	135,591	151,549	168,746	186,680
Evap (Lb/hr)	704	824	954	1097	1254	1427	1616	1825	2055
Cond (Lb/hr)	1062	1225	1399	1585	1786	2003	2236	2489	2752
Power (kW)	28.3	29	29.6	30.3	30.8	31.4	31.9	32.5	32.9
Current (Amps)	39.2	40.1	40.9	41.7	42.5	43.2	43.9	44.6	45.1
Efficiency (EER)	2.5	2.8	3.2	3.5	3.9	4.3	4.7	5.2	5.7
SIT (°F)	6	10	14	18	22	26	30	34	39

SST (°F)	-40	-35	-30	-25	-20	-15	-10	-5	0
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120°F to 130°F SCT, -40°F to 0°F SST see page 22
70°F to 120°F SCT, 0°F to 50°F SST see page 23
120°F to 130°F SCT, 0°F to 50°F SST see page 24

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 30
 Displacement 65 CFM @ 60 Hz

SCT

120°F		SST (°F)	-40	-35	-30	-25	-20	-15	-10	-5	0
Capacity (Btu/hr)*			71,269	82,372	94,264	107,038	120,784	135,591	151,549	168,746	186,680
Evap (Lb/hr)			704	824	954	1097	1254	1427	1616	1825	2055
Cond (Lb/hr)			1062	1225	1399	1585	1786	2003	2236	2489	2752
Power (kW)			28.3	29	29.6	30.3	30.8	31.4	31.9	32.5	32.9
Current (Amps)			39.2	40.1	40.9	41.7	42.5	43.2	43.9	44.6	45.1
Efficiency (EER)			2.5	2.8	3.2	3.5	3.9	4.3	4.7	5.2	5.7
SIT (°F)			6	10	14	18	22	26	30	34	39
130°F											
Capacity (Btu/hr)*			64,773	75,637	87,234	99,655	112,991	127,334	142,776	159,407	176,747
Evap (Lb/hr)			647	765	893	1033	1187	1356	1542	1746	1971
Cond (Lb/hr)			1018	1186	1365	1556	1761	1981	2219	2476	2743
Power (kW)			31.7	32.5	33.3	34	34.7	35.4	36	36.6	37.1
Current (Amps)			43.6	44.7	45.6	46.6	47.5	48.3	49.1	49.9	50.5
Efficiency (EER)			2	2.3	2.6	2.9	3.3	3.6	4	4.4	4.8
SIT (°F)			10	14	18	22	26	30	34	38	43
		SST (°F)	-40	-35	-30	-25	-20	-15	-10	-5	0

70°F to 120°F SCT, -40°F to 0°F SST see page 21
 70°F to 120°F SCT, 0°F to 50°F SST see page 23
 120°F to 130°F SCT, 0°F to 50°F SST see page 24

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 65 CFM @ 60 Hz

SCT
70°F

SST (°F)	0	5	10	15	20	25	30	35	40	45	50
Capacity (Btu/hr)*	222,072	244,848	269,340	295,609	323,710	354,834	386,850	422,233	458,299	498,074	540,148
Evap (Lb/hr)	2322	2596	2897	3228	3590	3987	4420	4892	5407	5968	6577
Cond (Lb/hr)	2647	2921	3217	3536	3880	4264	4662	5106	5565	6077	6625
Power (kW)	17.9	18.1	18.2	18.3	18.4	18.5	18.6	18.8	18.9	19.1	19.3
Current (Amps)	25.9	26.1	26.2	26.3	26.4	26.7	26.8	27	27.2	27.4	27.7
Efficiency (EER)	12.4	13.6	14.8	16.2	17.6	19.2	20.8	22.5	24.3	26.1	28
SIT (°F)	22	26	30	34	38	41	44.8	48.2	51.6	54.8	57.9

80°F

Capacity (Btu/hr)*	216,645	238,902	262,827	288,485	315,932	346,355	377,648	410,855	447,560	486,534	527,802
Evap (Lb/hr)	2285	2556	2854	3180	3538	3930	4358	4826	5336	5892	6497
Cond (Lb/hr)	2682	2960	3259	3583	3931	4321	4725	5158	5641	6162	6720
Power (kW)	20.2	20.4	20.6	20.7	20.9	21.1	21.2	21.4	21.6	21.9	22.1
Current (Amps)	28.8	29	29.2	29.4	29.6	29.9	30.1	30.3	30.6	31	31.3
Efficiency (EER)	10.7	11.7	12.8	13.9	15.1	16.4	17.8	19.2	20.7	22.3	23.8
SIT (°F)	25	29	33	37	41	44	48	51.5	55	58.3	61.5

90°F

Capacity (Btu/hr)*	210,591	232,308	255,647	280,677	307,457	336,041	367,726	400,179	434,544	472,550	512,833
Evap (Lb/hr)	2241	2508	2802	3124	3477	3864	4287	4749	5255	5806	6407
Cond (Lb/hr)	2713	2995	3299	3627	3980	4360	4785	5225	5697	6224	6792
Power (kW)	22.8	23.1	23.3	23.5	23.7	23.9	24.2	24.4	24.6	24.9	25.3
Current (Amps)	32.1	32.4	32.7	33	33.3	33.5	33.9	34.2	34.5	34.9	35.3
Efficiency (EER)	9.2	10.1	11	11.9	13	14.1	15.2	16.4	17.6	18.9	20.3
SIT (°F)	28	32	36	40	44	48	51.4	55	58.5	61.9	65.2

100°F

Capacity (Btu/hr)*	203,832	224,992	247,732	272,121	298,227	326,105	355,806	387,368	422,352	457,869	497,188
Evap (Lb/hr)	2189	2452	2741	3058	3406	3787	4205	4663	5163	5709	6306
Cond (Lb/hr)	2739	3025	3334	3667	4025	4411	4827	5272	5772	6287	6864
Power (kW)	25.8	26.1	26.4	26.7	27	27.2	27.5	27.8	28.2	28.5	28.9
Current (Amps)	36	36.4	36.7	37.1	37.5	37.8	38.2	38.6	39.1	39.4	40
Efficiency (EER)	7.9	8.6	9.4	10.2	11.1	12	12.9	13.9	15	16.1	17.2
SIT (°F)	31	35	39	43	47	51	55	58.7	62.3	65.8	69.2

110°F

Capacity (Btu/hr)*	195,678	216,191	238,235	261,883	287,206	314,265	343,114	373,799	407,867	442,476	478,986
Evap (Lb/hr)	2128	2386	2670	2982	3324	3700	4113	4565	5060	5601	6194
Cond (Lb/hr)	2750	3039	3352	3689	4052	4443	4865	5317	5825	6350	6912
Power (kW)	29.1	29.5	29.9	30.2	30.6	30.9	31.3	31.7	32.1	32.5	32.9
Current (Amps)	40.2	40.7	41.2	41.7	42.1	42.6	43.1	43.5	44.1	44.6	45.1
Efficiency (EER)	6.7	7.3	8	8.7	9.4	10.2	11	11.8	12.7	13.6	14.6
SIT (°F)	35	39	43	47	51	55	58.8	62.6	66.4	70	73.5

120°F

Capacity (Btu/hr)*	186,680	206,539	227,883	250,791	275,335	301,584	329,598	359,428	391,113	424,680	461,999
Evap (Lb/hr)	2055	2309	2587	2894	3231	3601	4008	4454	4944	5481	6070
Cond (Lb/hr)	2752	3045	3362	3704	4073	4470	4899	5360	5856	6389	6989
Power (kW)	32.9	33.3	33.8	34.3	34.7	35.2	35.6	36.1	36.5	37	37.6
Current (Amps)	45.1	45.7	46.3	46.9	47.4	48	48.6	49.2	49.7	50.3	51.1
Efficiency (EER)	5.7	6.2	6.7	7.3	7.9	8.6	9.3	10	10.7	11.5	12.3
SIT (°F)	39	43	47	51	55	59	63.1	67	70.8	74.6	78.2
SST (°F)	0	5	10	15	20	25	30	35	40	45	50

70°F to 120°F SCT, -40°F to 0°F SST see page 21
120°F to 130°F SCT, -40°F to 0°F SST see page 22
120°F to 130°F SCT, 0°F to 50°F SST see page 24

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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 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 35
 Displacement 65 CFM @ 60 Hz

SCT
120°F

SST (°F)	0	5	10	15	20	25	30	35	40	45	50
Capacity (Btu/hr)*	186,680	206,539	227,883	250,791	275,335	301,584	329,598	359,428	391,113	424,680	461,999
Evap (Lb/hr)	2055	2309	2587	2894	3231	3601	4008	4454	4944	5481	6070
Cond (Lb/hr)	2752	3045	3362	3704	4073	4470	4899	5360	5856	6389	6989
Power (kW)	32.9	33.3	33.8	34.3	34.7	35.2	35.6	36.1	36.5	37	37.6
Current (Amps)	45.1	45.7	46.3	46.9	47.4	48	48.6	49.2	49.7	50.3	51.1
Efficiency (EER)	5.7	6.2	6.7	7.3	7.9	8.6	9.3	10	10.7	11.5	12.3
SIT (°F)	39	43	47	51	55	59	63.1	67	70.8	74.6	78.2

130°F

SST (°F)	0	5	10	15	20	25	30	35	40	45	50
Capacity (Btu/hr)*	176,747	195,947	216,592	238,763	262,538	286,953	314,025	342,889	373,590	406,165	442,467
Evap (Lb/hr)	1971	2219	2492	2793	3124	3488	3889	4330	4815	5348	5934
Cond (Lb/hr)	2743	3041	3363	3711	4086	4475	4910	5379	5884	6428	7042
Power (kW)	37.1	37.7	38.3	38.9	39.4	39.8	40.4	40.9	41.5	42.1	42.8
Current (Amps)	50.5	51.3	52	52.7	53.5	54	54.7	55.4	56.1	56.8	57.7
Efficiency (EER)	4.8	5.2	5.7	6.1	6.7	7.2	7.8	8.4	9	9.7	10.3
SIT (°F)	43	47	51	55	59	64	67.7	71.7	75.7	79.6	83.4

70°F to 120°F SCT, -40°F to 0°F SST see page 21
 120°F to 130°F SCT, -40°F to 0°F SST see page 22
 70°F to 120°F SCT, 0°F to 50°F SST see page 23

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
70°F

SST (°F)	-40	-35	-30	-25	-20	-15	-10	-5	0
Capacity (Btu/hr)*	107,644	121,599	136,728	153,384	171,641	191,574	213,252	237,431	262,892
Evap (Lb/hr)	1028	1171	1332	1512	1713	1936	2183	2456	2757
Cond (Lb/hr)	1287	1452	1631	1828	2044	2281	2539	2828	3133
Power (kW)	20.4	20.8	21.2	21.4	21.6	21.7	21.8	22	22
Current (Amps)	29.3	29.9	30.3	30.6	30.8	31	31.1	31.3	31.4
Efficiency (EER)	5.3	5.8	6.5	7.2	7.9	8.8	9.8	10.8	11.9
SIT (°F)	-7	-4	0	4	8	12	16	19	23

80°F

Capacity (Btu/hr)*	104,515	118,119	133,104	149,546	167,521	187,103	208,963	232,050	256,959
Evap (Lb/hr)	1003	1147	1307	1487	1686	1907	2151	2421	2719
Cond (Lb/hr)	1299	1466	1650	1852	2073	2314	2585	2870	3180
Power (kW)	22.7	23.1	23.5	23.8	24.1	24.3	24.5	24.6	24.7
Current (Amps)	32.1	32.7	33.2	33.6	33.9	34.1	34.4	34.6	34.7
Efficiency (EER)	4.6	5.1	5.7	6.3	7	7.7	8.5	9.4	10.4
SIT (°F)	-5	-1	3	7	11	15	18	22	26

90°F

Capacity (Btu/hr)*	100,739	114,226	129,024	145,210	163,318	182,571	203,444	226,006	250,325
Evap (Lb/hr)	975	1118	1278	1455	1653	1871	2113	2379	2672
Cond (Lb/hr)	1304	1477	1666	1873	2105	2352	2619	2910	3224
Power (kW)	25.2	25.7	26.2	26.6	27	27.2	27.5	27.7	27.8
Current (Amps)	35.3	36	36.6	37.1	37.6	37.9	38.2	38.5	38.7
Efficiency (EER)	4	4.4	4.9	5.5	6.1	6.7	7.4	8.2	9
SIT (°F)	-2	2	6	10	13	17	21	25	29

100°F

Capacity (Btu/hr)*	96,470	109,803	124,379	140,668	158,019	176,850	197,236	219,247	242,954
Evap (Lb/hr)	941	1083	1242	1418	1613	1828	2066	2329	2617
Cond (Lb/hr)	1305	1483	1677	1894	2126	2377	2650	2945	3264
Power (kW)	28.1	28.7	29.3	29.8	30.2	30.6	30.9	31.1	31.4
Current (Amps)	39.1	39.9	40.6	41.3	41.8	42.3	42.7	43	43.3
Efficiency (EER)	3.4	3.8	4.2	4.7	5.2	5.8	6.4	7	7.7
SIT (°F)	1	5	9	12	16	20	24	28	32

110°F

Capacity (Btu/hr)*	91,579	104,729	119,056	134,639	151,555	169,882	189,695	211,067	234,068
Evap (Lb/hr)	900	1042	1199	1372	1565	1777	2011	2269	2553
Cond (Lb/hr)	1297	1481	1680	1897	2133	2389	2666	2965	3288
Power (kW)	31.5	32.2	32.9	33.4	33.9	34.4	34.8	35.1	35.4
Current (Amps)	43.5	44.4	45.3	46	46.6	47.2	47.7	48.2	48.6
Efficiency (EER)	2.9	3.2	3.6	4	4.5	4.9	5.5	6	6.6
SIT (°F)	4	8	12	16	20	24	28	32	36

120°F

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

SST (°F)	-40	-35	-30	-25	-20	-15	-10	-5	0
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120°F to 130°F SCT, -40°F to 0°F SST see page 26
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 27

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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 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 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 40
Displacement 78 CFM @ 60 Hz

SCT
70°F

SST (°F)	0	5	10	15	20	25	30	35	40	45	50
Capacity (Btu/hr)*	262,892	290,300	319,712	352,271	385,954	421,769	461,261	501,551	545,885	592,754	642,161
Evap (Lb/hr)	2757	3087	3450	3847	4281	4754	5270	5831	6441	7102	7820
Cond (Lb/hr)	3133	3462	3817	4214	4626	5067	5559	6065	6628	7232	7877
Power (kW)	22	22.1	22.1	22.2	22.3	22.3	22.5	22.7	22.9	23.3	23.7
Current (Amps)	31.4	31.4	31.5	31.6	31.7	31.8	32	32.2	32.6	33	33.6
Efficiency (EER)	11.9	13.2	14.5	15.9	17.3	18.9	20.5	22.1	23.8	25.5	27.1
SIT (°F)	23	27	31	34	38	42	45.3	48.7	52	55.3	58.4
80°F											
Capacity (Btu/hr)*	256,959	283,751	312,482	344,288	377,167	412,119	450,678	489,994	533,286	579,064	625,038
Evap (Lb/hr)	2719	3045	3403	3795	4224	4691	5201	5755	6358	7012	7723
Cond (Lb/hr)	3180	3514	3874	4276	4693	5140	5638	6151	6722	7333	7958
Power (kW)	24.7	24.8	24.9	25.1	25.2	25.3	25.5	25.7	26	26.4	26.8
Current (Amps)	34.7	34.8	35	35.2	35.3	35.5	35.8	36	36.5	37	37.4
Efficiency (EER)	10.4	11.4	12.5	13.7	15	16.3	17.7	19.1	20.5	21.9	23.3
SIT (°F)	26	30	34	37	41	45	48.3	51.8	55.2	58.4	61.6
90°F											
Capacity (Btu/hr)*	250,325	276,464	304,480	335,499	367,543	401,605	439,204	477,524	519,756	562,373	609,274
Evap (Lb/hr)	2672	2994	3347	3734	4156	4617	5120	5667	6263	6910	7612
Cond (Lb/hr)	3224	3563	3928	4335	4758	5211	5715	6235	6814	7407	8069
Power (kW)	27.8	28	28.1	28.4	28.5	28.7	29	29.2	29.6	30	30.5
Current (Amps)	38.7	38.9	39.1	39.4	39.6	39.8	40.2	40.6	41.1	41.5	42.2
Efficiency (EER)	9	9.9	10.8	11.8	12.9	14	15.1	16.3	17.5	18.8	20
SIT (°F)	29	33	37	40	44	48	51.5	55	58.4	61.7	64.9
100°F											
Capacity (Btu/hr)*	242,954	268,420	295,705	324,862	357,122	390,290	425,450	464,262	503,614	546,998	592,779
Evap (Lb/hr)	2617	2934	3282	3662	4078	4533	5028	5568	6156	6795	7490
Cond (Lb/hr)	3264	3608	3978	4376	4820	5280	5771	6320	6883	7511	8184
Power (kW)	31.4	31.6	31.8	32.1	32.4	32.7	32.9	33.4	33.7	34.2	34.8
Current (Amps)	43.3	43.6	43.9	44.2	44.7	45	45.3	45.9	46.4	47.1	47.8
Efficiency (EER)	7.7	8.5	9.3	10.1	11	12	12.9	13.9	14.9	16	17
SIT (°F)	32	36	40	44	47	51	54.8	58.4	61.8	65.2	68.4
110°F											
Capacity (Btu/hr)*	234,068	259,586	286,141	314,516	344,762	376,917	411,011	448,684	486,871	529,023	573,532
Evap (Lb/hr)	2553	2865	3206	3581	3990	4438	4926	5459	6040	6672	7359
Cond (Lb/hr)	3288	3649	4025	4430	4864	5329	5827	6383	6955	7592	8276
Power (kW)	35.4	35.9	36.2	36.5	36.8	37.2	37.5	38	38.5	39.1	39.8
Current (Amps)	48.6	49.2	49.6	50	50.4	50.9	51.3	52	52.6	53.4	54.3
Efficiency (EER)	6.6	7.2	7.9	8.6	9.4	10.1	11	11.8	12.7	13.5	14.4
SIT (°F)	36	39	43	47	51	55	58.6	62.2	65.7	69.1	72.4
120°F											
Capacity (Btu/hr)*	225,081	249,110	274,849	302,355	331,680	362,868	395,950	430,946	469,648	508,672	551,797
Evap (Lb/hr)	2478	2784	3120	3489	3892	4333	4815	5340	5914	6540	7221
Cond (Lb/hr)	3317	3672	4054	4465	4906	5379	5885	6427	7032	7653	8348
Power (kW)	40.3	40.8	41.2	41.6	42	42.4	42.9	43.4	44.1	44.6	45.4
Current (Amps)	55	55.6	56.1	56.7	57.2	57.8	58.4	59	59.9	60.6	61.7
Efficiency (EER)	5.6	6.1	6.7	7.3	7.9	8.5	9.2	9.9	10.7	11.4	12.1
SIT (°F)	39	43	47	51	55	59	62.9	66.6	70.1	73.6	77
SST (°F)	0	5	10	15	20	25	30	35	40	45	50

70°F to 120°F SCT, -40°F to 0°F SST see page 25
120°F to 130°F SCT, -40°F to 0°F SST see page 26
120°F to 130°F SCT, 0°F to 50°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 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 40
 Displacement 78 CFM @ 60 Hz

SCT

120°F		SST (°F)	0	5	10	15	20	25	30	35	40	45	50
Capacity (Btu/hr)*			225,081	249,110	274,849	302,355	331,680	362,868	395,950	430,946	469,648	508,672	551,797
Evap (Lb/hr)			2478	2784	3120	3489	3892	4333	4815	5340	5914	6540	7221
Cond (Lb/hr)			3317	3672	4054	4465	4906	5379	5885	6427	7032	7653	8348
Power (kW)			40.3	40.8	41.2	41.6	42	42.4	42.9	43.4	44.1	44.6	45.4
Current (Amps)			55	55.6	56.1	56.7	57.2	57.8	58.4	59	59.9	60.6	61.7
Efficiency (EER)			5.6	6.1	6.7	7.3	7.9	8.5	9.2	9.9	10.7	11.4	12.1
SIT (°F)			39	43	47	51	55	59	62.9	66.6	70.1	73.6	77
130°F													
Capacity (Btu/hr)*			213,782	236,987	261,843	288,412	316,747	346,896	378,894	412,766	450,283	488,116	530,001
Evap (Lb/hr)			2392	2693	3023	3385	3782	4217	4693	5213	5781	6401	7078
Cond (Lb/hr)			3315	3676	4064	4481	4929	5409	5924	6475	7093	7726	8436
Power (kW)			45.8	46.3	46.9	47.4	47.9	48.5	49.1	49.7	50.5	51.2	52.1
Current (Amps)			62.2	62.9	63.6	64.3	65	65.7	66.4	67.2	68.3	69.1	70.3
Efficiency (EER)			4.7	5.1	5.6	6.1	6.6	7.2	7.7	8.3	8.9	9.5	10.2
SIT (°F)			44	48	52	56	60	64	68	71.7	75.4	79	82.4
		SST (°F)	0	5	10	15	20	25	30	35	40	45	50

70°F to 120°F SCT, -40°F to 0°F SST see page 25
 120°F to 130°F SCT, -40°F to 0°F SST see page 26
 70°F to 120°F SCT, 0°F to 50°F SST see page 27

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 40
Displacement 88 CFM @ 60 Hz

SCT
70°F

SST (°F)	-40	-35	-30	-25	-20	-15	-10	-5	0
Capacity (Btu/hr)*	117,634	132,929	149,703	168,321	188,839	211,906	236,473	263,109	291,862
Evap (Lb/hr)	1126	1284	1463	1664	1890	2142	2421	2729	3069
Cond (Lb/hr)	1405	1586	1785	2005	2248	2523	2815	3133	3477
Power (kW)	23.8	24.3	24.7	24.9	25.1	25.2	25.2	25.2	25.1
Current (Amps)	34.1	34.8	35.2	35.5	35.7	35.9	35.9	35.9	35.8
Efficiency (EER)	4.9	5.5	6.1	6.8	7.5	8.4	9.4	10.4	11.6
SIT (°F)	-6	-3	1	5	9	12	16	20	24

80°F

Capacity (Btu/hr)*	114,400	129,274	145,858	164,662	184,913	207,059	231,159	257,266	285,428
Evap (Lb/hr)	1101	1258	1437	1637	1861	2110	2387	2692	3029
Cond (Lb/hr)	1421	1604	1807	2039	2288	2561	2858	3181	3531
Power (kW)	26.5	27	27.4	27.8	28	28.2	28.2	28.3	28.3
Current (Amps)	37.4	38	38.6	39.1	39.3	39.5	39.6	39.6	39.6
Efficiency (EER)	4.3	4.8	5.3	5.9	6.6	7.4	8.2	9.1	10.1
SIT (°F)	-4	0	4	7	11	15	19	23	27

90°F

Capacity (Btu/hr)*	110,584	125,646	142,060	160,181	180,071	201,789	225,395	250,945	278,491
Evap (Lb/hr)	1073	1230	1407	1605	1827	2074	2348	2650	2982
Cond (Lb/hr)	1431	1624	1834	2065	2320	2598	2901	3230	3585
Power (kW)	29.5	30.2	30.7	31.1	31.4	31.6	31.7	31.8	31.9
Current (Amps)	41.2	42.1	42.7	43.2	43.6	43.8	44	44.1	44.2
Efficiency (EER)	3.7	4.2	4.6	5.2	5.7	6.4	7.1	7.9	8.7
SIT (°F)	-1	2	6	10	14	18	22	26	30

100°F

Capacity (Btu/hr)*	106,311	120,863	137,358	155,161	174,665	195,931	219,020	243,991	270,900
Evap (Lb/hr)	1039	1196	1371	1568	1788	2032	2301	2599	2927
Cond (Lb/hr)	1437	1631	1851	2088	2349	2632	2941	3276	3638
Power (kW)	33	33.7	34.4	34.8	35.2	35.5	35.7	35.9	36
Current (Amps)	45.7	46.6	47.5	48.1	48.6	48.9	49.2	49.4	49.6
Efficiency (EER)	3.2	3.6	4	4.5	5	5.5	6.1	6.8	7.5
SIT (°F)	2	6	9	13	17	21	25	29	33

110°F

Capacity (Btu/hr)*	101,400	115,751	131,597	149,005	168,525	189,317	211,870	236,244	262,498
Evap (Lb/hr)	999	1154	1328	1523	1740	1980	2246	2540	2863
Cond (Lb/hr)	1435	1635	1856	2099	2371	2661	2976	3318	3687
Power (kW)	37.1	37.8	38.5	39.1	39.6	40	40.3	40.6	40.8
Current (Amps)	51	52.1	52.9	53.6	54.4	54.9	55.3	55.6	55.9
Efficiency (EER)	2.7	3.1	3.4	3.8	4.3	4.7	5.3	5.8	6.4
SIT (°F)	5	9	13	17	20	24	28	32	36

120°F

Capacity (Btu/hr)*	95,400	109,484	125,343	142,391	160,999	181,231	203,153	226,829	252,320
Evap (Lb/hr)	951	1104	1276	1468	1681	1918	2180	2469	2787
Cond (Lb/hr)	1418	1624	1857	2106	2378	2673	2994	3342	3717
Power (kW)	41.6	42.5	43.4	44	44.6	45	45.4	45.8	46.1
Current (Amps)	57	58.2	59.3	60.2	60.9	61.5	62.1	62.6	63
Efficiency (EER)	2.3	2.6	2.9	3.2	3.6	4	4.5	5	5.5
SIT (°F)	9	13	16	20	24	28	32	36	40

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

120°F to 130°F SCT, -40°F to 0°F SST see page 30
70°F to 120°F SCT, 0°F to 50°F SST see page 31
120°F to 130°F SCT, 0°F to 50°F SST see page 32

-29-

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
 575-3-60 multiply by .8

Rating Information: 65°F Return Gas
 Liquid Subcooled to 10°F above SIT
 Horsepower 40
 Displacement 88 CFM @ 60 Hz

SCT
120°F

SST (°F)	-40	-35	-30	-25	-20	-15	-10	-5	0
Capacity (Btu/hr)*	95,400	109,484	125,343	142,391	160,999	181,231	203,153	226,829	252,320
Evap (Lb/hr)	951	1104	1276	1468	1681	1918	2180	2469	2787
Cond (Lb/hr)	1418	1624	1857	2106	2378	2673	2994	3342	3717
Power (kW)	41.6	42.5	43.4	44	44.6	45	45.4	45.8	46.1
Current (Amps)	57	58.2	59.3	60.2	60.9	61.5	62.1	62.6	63
Efficiency (EER)	2.3	2.6	2.9	3.2	3.6	4	4.5	5	5.5
SIT (°F)	9	13	16	20	24	28	32	36	40

130°F

SST (°F)	-40	-35	-30	-25	-20	-15	-10	-5	0
Capacity (Btu/hr)*	88,406	102,203	117,348	134,302	152,405	172,064	193,345	216,314	241,034
Evap (Lb/hr)	891	1042	1212	1401	1611	1843	2101	2384	2697
Cond (Lb/hr)	1386	1598	1831	2093	2371	2673	3001	3355	3738
Power (kW)	46.8	47.8	48.6	49.5	50.2	50.8	51.3	51.8	52.2
Current (Amps)	63.9	65.2	66.3	67.5	68.4	69.2	69.9	70.5	71.1
Efficiency (EER)	1.9	2.1	2.4	2.7	3	3.4	3.8	4.2	4.6
SIT (°F)	13	17	21	24	28	32	36	40	44

70°F to 120°F SCT, -40°F to 0°F SST see page 29
 70°F to 120°F SCT, 0°F to 50°F SST see page 31
 120°F to 130°F SCT, 0°F to 50°F SST see page 32

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 50
Displacement 88 CFM @ 60 Hz

SCT
70°F

SST (°F)	0	5	10	15	20	25	30	35	40	45	50
Capacity (Btu/hr)*	291,862	323,744	356,966	392,418	431,488	471,599	515,677	560,477	609,597	661,324	715,631
Evap (Lb/hr)	3069	3443	3852	4299	4786	5316	5892	6516	7192	7924	8714
Cond (Lb/hr)	3477	3861	4262	4693	5171	5666	6214	6778	7402	8068	8778
Power (kW)	25.1	25.2	25.1	25.1	25.1	25.2	25.4	25.6	26	26.4	27.1
Current (Amps)	35.8	35.8	35.7	35.7	35.8	35.8	36.1	36.3	36.8	37.5	38.3
Efficiency (EER)	11.6	12.9	14.2	15.7	17.2	18.7	20.3	21.9	23.5	25	26.4
SIT (°F)	24	27	31	35	38	42	45.4	48.8	52.1	55.2	58.3

80°F

Capacity (Btu/hr)*	285,428	316,655	349,178	383,883	420,794	461,444	502,964	548,589	594,722	645,331	698,512
Evap (Lb/hr)	3029	3398	3803	4245	4727	5253	5824	6443	7115	7843	8630
Cond (Lb/hr)	3531	3921	4329	4766	5235	5755	6291	6886	7496	8172	8894
Power (kW)	28.3	28.3	28.3	28.3	28.4	28.6	28.7	29.1	29.4	29.9	30.6
Current (Amps)	39.6	39.7	39.7	39.7	39.8	40	40.2	40.7	41.1	41.8	42.6
Efficiency (EER)	10.1	11.2	12.3	13.5	14.8	16.2	17.5	18.9	20.2	21.6	22.8
SIT (°F)	27	30	34	38	42	45	48.8	52.2	55.6	58.9	62.1

90°F

Capacity (Btu/hr)*	278,491	309,035	340,833	374,767	410,864	449,144	491,297	534,140	581,240	628,620	680,647
Evap (Lb/hr)	2982	3347	3747	4184	4661	5181	5747	6361	7029	7752	8536
Cond (Lb/hr)	3585	3982	4396	4841	5317	5826	6392	6973	7619	8279	9014
Power (kW)	31.9	32	32.1	32.1	32.2	32.4	32.7	33	33.5	34	34.7
Current (Amps)	44.2	44.4	44.5	44.6	44.7	44.9	45.3	45.7	46.3	46.9	47.9
Efficiency (EER)	8.7	9.7	10.6	11.7	12.7	13.9	15	16.2	17.4	18.5	19.6
SIT (°F)	30	33	37	41	45	49	52.2	55.8	59.3	62.7	66

100°F

Capacity (Btu/hr)*	270,900	299,798	330,732	363,743	400,200	437,615	477,192	518,933	564,888	611,121	661,977
Evap (Lb/hr)	2927	3288	3682	4114	4586	5100	5660	6269	6930	7649	8429
Cond (Lb/hr)	3638	4028	4448	4898	5400	5918	6472	7062	7719	8390	9139
Power (kW)	36	36.1	36.3	36.4	36.7	36.9	37.2	37.5	38.1	38.6	39.4
Current (Amps)	49.6	49.8	50	50.1	50.5	50.8	51.2	51.6	52.3	53	54.1
Efficiency (EER)	7.5	8.3	9.1	10	10.9	11.9	12.8	13.8	14.8	15.8	16.8
SIT (°F)	33	37	41	45	48	52	55.9	59.6	63.2	66.7	70.1

110°F

Capacity (Btu/hr)*	262,498	290,687	320,863	353,071	387,351	423,732	462,235	502,868	547,672	592,755	642,438
Evap (Lb/hr)	2863	3218	3607	4033	4499	5007	5560	6163	6819	7533	8308
Cond (Lb/hr)	3687	4084	4512	4971	5463	5989	6552	7152	7821	8505	9270
Power (kW)	40.8	41	41.2	41.4	41.7	42	42.3	42.7	43.4	44	44.9
Current (Amps)	55.9	56.2	56.5	56.8	57.1	57.5	57.9	58.5	59.4	60.1	61.3
Efficiency (EER)	6.4	7.1	7.8	8.5	9.3	10.1	10.9	11.8	12.6	13.5	14.3
SIT (°F)	36	40	44	48	52	56	59.8	63.6	67.3	70.9	74.4

120°F

Capacity (Btu/hr)*	252,320	279,683	308,974	340,243	373,533	408,880	446,310	485,840	527,469	573,438	619,454
Evap (Lb/hr)	2787	3136	3519	3939	4398	4899	5447	6043	6693	7401	8172
Cond (Lb/hr)	3717	4121	4556	5023	5523	6059	6632	7243	7896	8626	9370
Power (kW)	46.1	46.4	46.7	47	47.4	47.8	48.2	48.7	49.3	50.2	51
Current (Amps)	63	63.4	63.8	64.2	64.7	65.2	65.8	66.4	67.2	68.3	69.4
Efficiency (EER)	5.5	6	6.6	7.2	7.9	8.6	9.3	10	10.7	11.4	12.2
SIT (°F)	40	44	48	52	56	60	64	67.9	71.6	75.3	78.9

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

70°F to 120°F SCT, -40°F to 0°F SST see page 29
120°F to 130°F SCT, -40°F to 0°F SST see page 30
120°F to 130°F SCT, 0°F to 50°F SST see page 32

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 50
 Displacement 88 CFM @ 60 Hz

SCT
120°F

SST (°F)	0	5	10	15	20	25	30	35	40	45	50
Capacity (Btu/hr)*	252,320	279,683	308,974	340,243	373,533	408,880	446,310	485,840	527,469	573,438	619,454
Evap (Lb/hr)	2787	3136	3519	3939	4398	4899	5447	6043	6693	7401	8172
Cond (Lb/hr)	3717	4121	4556	5023	5523	6059	6632	7243	7896	8626	9370
Power (kW)	46.1	46.4	46.7	47	47.4	47.8	48.2	48.7	49.3	50.2	51
Current (Amps)	63	63.4	63.8	64.2	64.7	65.2	65.8	66.4	67.2	68.3	69.4
Efficiency (EER)	5.5	6	6.6	7.2	7.9	8.6	9.3	10	10.7	11.4	12.2
SIT (°F)	40	44	48	52	56	60	64	67.9	71.6	75.3	78.9

130°F

SST (°F)	0	5	10	15	20	25	30	35	40	45	50
Capacity (Btu/hr)*	241,034	267,567	294,969	325,170	357,332	391,494	427,689	465,938	508,250	550,847	595,494
Evap (Lb/hr)	2697	3040	3417	3830	4282	4776	5317	5907	6550	7253	8019
Cond (Lb/hr)	3738	4150	4577	5051	5559	6103	6686	7308	8004	8718	9478
Power (kW)	52.2	52.6	52.8	53.3	53.7	54.2	54.7	55.3	56.2	57	57.9
Current (Amps)	71.1	71.7	72	72.5	73.1	73.7	74.4	75.2	76.4	77.4	78.6
Efficiency (EER)	4.6	5.1	5.6	6.1	6.7	7.2	7.8	8.4	9	9.7	10.3
SIT (°F)	44	48	53	57	61	65	68.6	72.5	76.4	80.1	83.8

70°F to 120°F SCT, 0°F to 40°F SST see page 29
 120°F to 150°F SCT, 0°F to 40°F SST see page 30
 70°F to 120°F SCT, 40°F to 55°F SST see page 31

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 15
Displacement 33 CFM @ 60 Hz

SCT
80°F

SST (°F)	-10	-5	0	5	10	15	20	25	30	35
80°F										
Capacity (Btu/hr)*	54,313	60,929	67,819	75,643	83,993	93,143	103,135	113,995	125,730	138,851
Evap (Lb/hr)	557	630	711	802	905	1019	1148	1290	1449	1624
Cond (Lb/hr)	714	800	890	992	1100	1220	1351	1494	1650	1826
Power (kW)	6.6	6.6	6.6	6.7	6.7	6.7	6.8	6.8	6.8	6.9
Current (Amps)	12.7	12.8	12.8	12.8	12.9	12.9	12.9	12.9	13	13
Efficiency (EER)	8.3	9.2	10.2	11.3	12.5	13.8	15.2	16.8	18.4	20.2
SIT (°F)	11	13	17	20	24	28	32	36	40	43
90°F										
Capacity (Btu/hr)*	51,764	58,079	65,038	72,479	80,390	89,371	98,872	109,216	120,422	132,489
Evap (Lb/hr)	545	616	696	785	884	996	1120	1260	1414	1586
Cond (Lb/hr)	712	798	894	995	1103	1226	1357	1500	1656	1825
Power (kW)	7.4	7.5	7.5	7.6	7.6	7.7	7.7	7.7	7.8	7.8
Current (Amps)	13.5	13.5	13.6	13.6	13.7	13.7	13.8	13.8	13.8	13.8
Efficiency (EER)	7	7.8	8.7	9.6	10.6	11.7	12.9	14.1	15.5	17
SIT (°F)	19	21	23	26	30	33	37	41	45	49
100°F										
Capacity (Btu/hr)*	49,269	55,452	62,039	69,039	76,725	85,171	94,450	104,218	114,827	126,292
Evap (Lb/hr)	533	602	680	766	862	970	1090	1225	1376	1543
Cond (Lb/hr)	710	800	895	996	1106	1228	1362	1504	1659	1827
Power (kW)	8.4	8.5	8.5	8.5	8.6	8.6	8.7	8.8	8.8	8.8
Current (Amps)	14.4	14.5	14.5	14.6	14.6	14.7	14.8	14.8	14.8	14.8
Efficiency (EER)	5.9	6.6	7.3	8.1	8.9	9.8	10.8	11.9	13	14.3
SIT (°F)	27	28	30	33	36	39	42	46	50	54
110°F										
Capacity (Btu/hr)*	46,643	52,460	58,817	65,811	72,992	80,870	89,521	99,015	108,966	119,756
Evap (Lb/hr)	521	589	663	746	839	942	1058	1187	1332	1494
Cond (Lb/hr)	707	796	893	1000	1109	1228	1360	1506	1659	1826
Power (kW)	9.5	9.5	9.6	9.7	9.7	9.8	9.8	9.9	10	10
Current (Amps)	15.4	15.5	15.6	15.7	15.7	15.8	15.9	16	16	16
Efficiency (EER)	4.9	5.5	6.1	6.8	7.5	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)*	43,873	49,664	55,793	62,295	69,186	76,772	84,800	93,618	102,859	113,402
Evap (Lb/hr)	508	574	646	725	814	912	1022	1146	1284	1439
Cond (Lb/hr)	701	795	894	999	1111	1233	1363	1506	1656	1829
Power (kW)	10.7	10.8	10.9	10.9	11	11.1	11.2	11.2	11.3	11.4
Current (Amps)	16.7	16.8	16.9	17	17.1	17.2	17.2	17.3	17.4	17.5
Efficiency (EER)	4.1	4.6	5.1	5.7	6.3	6.9	7.6	8.3	9.1	10
SIT (°F)	46	45	45	46	48	50	53	56	60	63
130°F										
Capacity (Btu/hr)*	40,945	46,480	52,315	58,489	65,032	71,957	79,593	87,657	96,521	106,256
Evap (Lb/hr)	495	559	627	703	786	879	983	1100	1231	1378
Cond (Lb/hr)	691	787	888	994	1107	1226	1358	1497	1650	1819
Power (kW)	12.1	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.7	12.9
Current (Amps)	18	18.2	18.3	18.5	18.6	18.7	18.8	18.9	19	19.1
Efficiency (EER)	3.4	3.8	4.3	4.7	5.2	5.8	6.3	6.9	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 2
80°F to 130°F SCT, 40°F to 55°F SST see page 3
130°F to 150°F SCT, 40°F to 55°F SST see page 4

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 15
 Displacement 33 CFM @ 60 Hz

SCT

130°F		SST (°F)	-10	-5	0	5	10	15	20	25	30	35
Capacity (Btu/hr)*			40,945	46,480	52,315	58,489	65,032	71,957	79,593	87,657	96,521	106,256
Evap (Lb/hr)			495	559	627	703	786	879	983	1100	1231	1378
Cond (Lb/hr)			691	787	888	994	1107	1226	1358	1497	1650	1819
Power (kW)			12.1	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.7	12.9
Current (Amps)			18	18.2	18.3	18.5	18.6	18.7	18.8	18.9	19	19.1
Efficiency (EER)			3.4	3.8	4.3	4.7	5.2	5.8	6.3	6.9	7.6	8.3
SIT (°F)			57	55	54	54	55	57	59	62	65	68
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140°F												
Capacity (Btu/hr)*			38,012	43,277	48,798	54,624	60,792	67,330	74,247	81,895	89,961	98,844
Evap (Lb/hr)			482	542	608	678	757	844	941	1050	1173	1312
Cond (Lb/hr)			681	778	880	988	1102	1223	1350	1491	1641	1806
Power (kW)			13.6	13.7	13.8	13.9	14	14.1	14.2	14.3	14.4	14.5
Current (Amps)			19.7	19.9	20	20.2	20.3	20.5	20.6	20.7	20.8	21
Efficiency (EER)			2.8	3.2	3.5	3.9	4.3	4.8	5.2	5.7	6.3	6.8
SIT (°F)			68	65	63	62	62	63	65	67	70	73
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150°F												
Capacity (Btu/hr)*			34,891	39,851	45,022	50,456	56,201	62,291	68,752	75,591	83,179	91,178
Evap (Lb/hr)			467	525	586	652	724	805	895	996	1110	1239
Cond (Lb/hr)			666	765	868	976	1091	1212	1340	1476	1627	1787
Power (kW)			15.3	15.4	15.5	15.6	15.8	15.9	16	16.1	16.2	16.3
Current (Amps)			21.6	21.8	22	22.2	22.3	22.5	22.7	22.8	23	23.1
Efficiency (EER)			2.3	2.6	2.9	3.2	3.6	3.9	4.3	4.7	5.1	5.6
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, 0°F to 40°F SST see page 1
 80°F to 130°F SCT, 40°F to 55°F SST see page 3
 130°F to 150°F SCT, 40°F to 55°F SST see page 4

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 15
 Displacement 33 CFM @ 60 Hz

SCT
70°F

SST (°F)	40	45	50	55
Capacity (Btu/hr)*	159,330	175,299	192,059	210,258
Evap (Lb/hr)	1849	2058	2282	2521
Cond (Lb/hr)	2010	2219	2441	2685
Power (kW)	6.1	6.1	6.1	6.1
Current (Amps)	12.3	12.4	12.4	12.4
Efficiency (EER)	26.3	28.8	31.6	34.7
SIT (°F)	40	42	44	45

80°F

Capacity (Btu/hr)*	152,903	167,809	184,200	201,321
Evap (Lb/hr)	1816	2025	2251	2493
Cond (Lb/hr)	2016	2220	2446	2687
Power (kW)	6.9	6.9	6.9	6.9
Current (Amps)	13	13	13.1	13.1
Efficiency (EER)	22.2	24.3	26.6	29.1
SIT (°F)	46	49	51	53

90°F

Capacity (Btu/hr)*	145,979	160,377	175,591	192,313
Evap (Lb/hr)	1776	1983	2209	2453
Cond (Lb/hr)	2016	2222	2443	2689
Power (kW)	7.8	7.9	7.9	7.9
Current (Amps)	13.9	13.9	13.9	14
Efficiency (EER)	18.6	20.4	22.3	24.3
SIT (°F)	52	55	58	60

100°F

Capacity (Btu/hr)*	139,187	152,375	167,030	183,285
Evap (Lb/hr)	1728	1933	2157	2401
Cond (Lb/hr)	2019	2218	2441	2692
Power (kW)	8.9	8.9	9	9
Current (Amps)	14.9	14.9	15	15
Efficiency (EER)	15.6	17.1	18.6	20.3
SIT (°F)	57	61	64	66

110°F

Capacity (Btu/hr)*	131,964	144,504	158,552	173,464
Evap (Lb/hr)	1674	1874	2094	2336
Cond (Lb/hr)	2017	2216	2442	2685
Power (kW)	10.1	10.1	10.2	10.3
Current (Amps)	16.1	16.2	16.2	16.3
Efficiency (EER)	13.1	14.2	15.5	16.9
SIT (°F)	62	66	69	72

120°F

Capacity (Btu/hr)*	124,351	136,147	149,469	163,723
Evap (Lb/hr)	1612	1806	2020	2257
Cond (Lb/hr)	2010	2208	2434	2679
Power (kW)	11.4	11.5	11.6	11.7
Current (Amps)	17.5	17.6	17.7	17.8
Efficiency (EER)	10.9	11.8	12.9	14
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 1
 130°F to 150°F SCT, 40°F to 55°F SST see page 2
 130°F to 150°F SCT, 40°F to 55°F SST see page 4

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 15
 Displacement 33 CFM @ 60 Hz

SCT

120°F		SST (°F)	40	45	50	55
Capacity (Btu/hr)*			124,351	136,147	149,469	163,723
Evap (Lb/hr)			1612	1806	2020	2257
Cond (Lb/hr)			2010	2208	2434	2679
Power (kW)			11.4	11.5	11.6	11.7
Current (Amps)			17.5	17.6	17.7	17.8
Efficiency (EER)			10.9	11.8	12.9	14
SIT (°F)			67	71	74	77
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130°F						
Capacity (Btu/hr)*			116,385	127,958	139,844	153,309
Evap (Lb/hr)			1544	1729	1936	2166
Cond (Lb/hr)			1998	2203	2418	2664
Power (kW)			12.9	13	13.1	13.2
Current (Amps)			19.2	19.3	19.4	19.5
Efficiency (EER)			9	9.8	10.7	11.6
SIT (°F)			72	75	79	82
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140°F						
Capacity (Btu/hr)*			108,614	118,755	130,392	142,302
Evap (Lb/hr)			1468	1643	1841	2063
Cond (Lb/hr)			1989	2181	2404	2637
Power (kW)			14.6	14.7	14.8	14.9
Current (Amps)			21.1	21.2	21.4	21.5
Efficiency (EER)			7.4	8.1	8.8	9.6
SIT (°F)			76	80	83	87
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150°F						
Capacity (Btu/hr)*			100,012	109,750	119,837	131,476
Evap (Lb/hr)			1384	1549	1735	1946
Cond (Lb/hr)			1965	2163	2371	2614
Power (kW)			16.4	16.6	16.7	16.8
Current (Amps)			23.3	23.5	23.6	23.8
Efficiency (EER)			6.1	6.6	7.2	7.8
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 1
 130°F to 150°F SCT, -10°F to 35°F SST see page 2
 80°F to 130°F SCT, 40°F to 55°F SST see page 3

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 20
 Displacement 39 CFM @ 60 Hz

SCT

80°F

SST (°F)	-10	-5	0	5	10	15	20	25	30	35
Capacity (Btu/hr)*	65,788	73,762	82,059	91,474	101,507	112,488	124,463	137,460	151,481	167,141
Evap (Lb/hr)	675	762	860	970	1093	1231	1385	1556	1746	1955
Cond (Lb/hr)	865	969	1077	1199	1330	1473	1630	1802	1988	2198
Power (kW)	8	8	8.1	8.1	8.1	8.2	8.2	8.3	8.3	8.3
Current (Amps)	14	14.1	14.1	14.2	14.2	14.2	14.3	14.3	14.3	14.4
Efficiency (EER)	8.3	9.2	10.2	11.3	12.5	13.7	15.1	16.6	18.3	20
SIT (°F)	11	13	17	20	24	28	32	36	40	43

90°F

Capacity (Btu/hr)*	62,956	70,584	78,987	87,963	97,493	108,301	119,715	132,122	145,543	159,971
Evap (Lb/hr)	663	749	845	952	1072	1207	1356	1524	1709	1915
Cond (Lb/hr)	866	970	1085	1208	1338	1486	1643	1814	2001	2203
Power (kW)	9	9.1	9.1	9.2	9.2	9.3	9.3	9.4	9.4	9.4
Current (Amps)	15	15.1	15.2	15.2	15.2	15.3	15.4	15.4	15.4	15.5
Efficiency (EER)	7	7.8	8.7	9.6	10.6	11.7	12.8	14.1	15.5	16.9
SIT (°F)	19	21	23	26	30	33	37	41	45	49

100°F

Capacity (Btu/hr)*	60,151	67,644	75,621	84,091	93,380	103,576	114,759	126,510	139,251	152,996
Evap (Lb/hr)	650	735	829	933	1049	1179	1325	1487	1668	1869
Cond (Lb/hr)	867	976	1091	1213	1346	1493	1655	1825	2011	2214
Power (kW)	10.2	10.3	10.3	10.4	10.4	10.5	10.6	10.6	10.7	10.7
Current (Amps)	16.3	16.3	16.4	16.4	16.5	16.5	16.6	16.7	16.7	16.8
Efficiency (EER)	5.9	6.6	7.3	8.1	9	9.9	10.8	11.9	13	14.3
SIT (°F)	27	28	30	33	36	39	42	46	50	54

110°F

Capacity (Btu/hr)*	57,170	64,244	71,973	80,472	89,184	98,729	109,194	120,659	132,650	145,626
Evap (Lb/hr)	638	721	812	913	1025	1150	1290	1447	1622	1816
Cond (Lb/hr)	866	974	1093	1222	1355	1500	1659	1835	2019	2221
Power (kW)	11.5	11.6	11.6	11.7	11.8	11.9	11.9	12	12.1	12.2
Current (Amps)	17.7	17.7	17.8	17.9	17.9	18	18.1	18.2	18.2	18.3
Efficiency (EER)	5	5.6	6.2	6.9	7.6	8.3	9.1	10	11	12
SIT (°F)	36	37	38	39	42	45	48	51	55	59

120°F

Capacity (Btu/hr)*	54,016	61,091	68,580	76,516	84,918	94,153	103,908	114,602	125,783	138,518
Evap (Lb/hr)	626	706	794	891	999	1118	1252	1402	1570	1758
Cond (Lb/hr)	862	978	1099	1227	1363	1512	1670	1843	2025	2234
Power (kW)	13	13.1	13.2	13.3	13.3	13.5	13.5	13.6	13.7	13.8
Current (Amps)	19.4	19.4	19.5	19.6	19.7	19.8	19.8	20	20	20.2
Efficiency (EER)	4.2	4.7	5.2	5.8	6.4	7	7.7	8.4	9.2	10
SIT (°F)	46	45	45	46	48	50	53	56	60	63

130°F

Capacity (Btu/hr)*	50,691	57,491	64,660	72,242	80,265	88,744	98,075	107,905	118,688	130,503
Evap (Lb/hr)	613	691	776	868	971	1084	1212	1354	1514	1693
Cond (Lb/hr)	855	973	1097	1228	1366	1512	1673	1842	2029	2235
Power (kW)	14.6	14.7	14.8	14.9	15.1	15.1	15.3	15.4	15.5	15.6
Current (Amps)	21.3	21.4	21.5	21.6	21.7	21.8	21.9	22	22.1	22.3
Efficiency (EER)	3.5	3.9	4.4	4.8	5.3	5.9	6.4	7	7.7	8.4
SIT (°F)	57	55	54	54	55	57	59	62	65	68

SST (°F)	-10	-5	0	5	10	15	20	25	30	35
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120°F to 150°F SCT, 0°F to 40°F SST see page 6
 70°F to 120°F SCT, 40°F to 55°F SST see page 7
 120°F to 150°F SCT, 40°F to 55°F SST see page 8

*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 20
 Displacement 39 CFM @ 60 Hz

SCT

130°F		SST (°F)	-10	-5	0	5	10	15	20	25	30	35
Capacity (Btu/hr)*			50,691	57,491	64,660	72,242	80,265	88,744	98,075	107,905	118,688	130,503
Evap (Lb/hr)			613	691	776	868	971	1084	1212	1354	1514	1693
Cond (Lb/hr)			855	973	1097	1228	1366	1512	1673	1842	2029	2235
Power (kW)			14.6	14.7	14.8	14.9	15.1	15.1	15.3	15.4	15.5	15.6
Current (Amps)			21.3	21.4	21.5	21.6	21.7	21.8	21.9	22	22.1	22.3
Efficiency (EER)			3.5	3.9	4.4	4.8	5.3	5.9	6.4	7	7.7	8.4
SIT (°F)			57	55	54	54	55	57	59	62	65	68
140°F												
Capacity (Btu/hr)*			47,405	53,916	60,747	67,952	75,571	83,632	92,141	101,527	111,399	122,243
Evap (Lb/hr)			601	676	756	844	941	1048	1168	1302	1453	1622
Cond (Lb/hr)			849	969	1096	1229	1370	1519	1676	1849	2031	2233
Power (kW)			16.4	16.6	16.7	16.9	17	17.1	17.2	17.4	17.5	17.6
Current (Amps)			23.7	23.8	23.9	24	24.1	24.3	24.3	24.5	24.6	24.8
Efficiency (EER)			2.9	3.3	3.6	4	4.4	4.9	5.3	5.8	6.4	6.9
SIT (°F)			68	65	63	62	62	63	65	67	70	73
150°F												
Capacity (Btu/hr)*			43,954	50,137	56,588	63,367	70,525	78,100	86,116	94,576	103,937	113,771
Evap (Lb/hr)			588	660	736	819	909	1009	1121	1246	1387	1545
Cond (Lb/hr)			839	962	1091	1226	1369	1519	1679	1847	2033	2230
Power (kW)			18.5	18.7	18.8	19	19.1	19.3	19.4	19.6	19.7	19.9
Current (Amps)			26.5	26.6	26.7	26.8	27	27.1	27.3	27.4	27.6	27.7
Efficiency (EER)			2.4	2.7	3	3.3	3.7	4	4.4	4.8	5.3	5.7
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 5
 80°F to 130°F SCT, 40°F to 55°F SST see page 7
 130°F to 150°F SCT, 40°F to 55°F SST see page 8

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 20
 Displacement 39 CFM @ 60 Hz

SCT
80°F

SST (°F)	40	45	50	55
Capacity (Btu/hr)*	183,886	201,621	221,100	241,414
Evap (Lb/hr)	2184	2433	2702	2990
Cond (Lb/hr)	2424	2667	2936	3222
Power (kW)	8.4	8.4	8.4	8.4
Current (Amps)	14.4	14.4	14.4	14.4
Efficiency (EER)	21.9	24	26.3	28.7
SIT (°F)	46	49	51	53

90°F

Capacity (Btu/hr)*	176,081	193,247	211,355	231,237
Evap (Lb/hr)	2142	2390	2659	2950
Cond (Lb/hr)	2431	2677	2940	3233
Power (kW)	9.5	9.5	9.6	9.6
Current (Amps)	15.5	15.6	15.6	15.6
Efficiency (EER)	18.5	20.2	22.1	24.1
SIT (°F)	52	55	58	60

100°F

Capacity (Btu/hr)*	168,436	184,190	201,675	221,046
Evap (Lb/hr)	2091	2336	2604	2896
Cond (Lb/hr)	2443	2681	2947	3246
Power (kW)	10.8	10.8	10.9	10.9
Current (Amps)	16.9	16.9	16.9	17
Efficiency (EER)	15.6	17	18.6	20.2
SIT (°F)	57	61	64	66

110°F

Capacity (Btu/hr)*	160,290	175,314	192,123	209,933
Evap (Lb/hr)	2033	2273	2537	2827
Cond (Lb/hr)	2450	2689	2958	3249
Power (kW)	12.3	12.3	12.4	12.4
Current (Amps)	18.4	18.5	18.6	18.6
Efficiency (EER)	13.1	14.3	15.5	16.9
SIT (°F)	62	66	69	72

120°F

Capacity (Btu/hr)*	151,710	165,893	181,889	198,968
Evap (Lb/hr)	1967	2200	2458	2743
Cond (Lb/hr)	2452	2690	2962	3256
Power (kW)	13.9	13.9	14	14.1
Current (Amps)	20.2	20.3	20.5	20.6
Efficiency (EER)	10.9	11.9	12.9	14.1
SIT (°F)	67	71	74	77
SST (°F)	40	45	50	55

80°F to 130°F SCT, 0°F to 40°F SST see page 5
 130°F to 150°F SCT, -10°F to 35°F SST see page 6
 130°F to 150°F SCT, 40°F to 55°F SST see page 8

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 20
 Displacement 39 CFM @ 60 Hz

SCT

		SST (°F)			
		40	45	50	55
130°F	Capacity (Btu/hr)*	142,763	156,747	171,064	187,261
	Evap (Lb/hr)	1893	2118	2368	2646
	Cond (Lb/hr)	2450	2699	2957	3253
	Power (kW)	15.7	15.8	15.9	16
	Current (Amps)	22.4	22.6	22.7	22.9
	Efficiency (EER)	9.1	9.9	10.8	11.7
	SIT (°F)	72	75	79	82
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140°F	Capacity (Btu/hr)*	134,140	146,445	160,545	174,923
	Evap (Lb/hr)	1813	2027	2267	2535
	Cond (Lb/hr)	2456	2690	2960	3242
	Power (kW)	17.8	17.9	18	18.1
	Current (Amps)	25	25.1	25.4	25.5
	Efficiency (EER)	7.5	8.2	8.9	9.7
	SIT (°F)	76	80	83	87
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150°F	Capacity (Btu/hr)*	124,599	136,502	148,782	162,927
	Evap (Lb/hr)	1725	1927	2155	2411
	Cond (Lb/hr)	2448	2690	2943	3239
	Power (kW)	20	20.2	20.3	20.5
	Current (Amps)	28	28.2	28.4	28.7
	Efficiency (EER)	6.2	6.8	7.3	7.9
	SIT (°F)	81	84	88	91
	SST (°F)		40	45	50

80°F to 130°F SCT, -10°F to 35°F SST see page 5
 130°F to 150°F SCT, -10°F to 35°F SST see page 6
 80°F to 130°F SCT, 40°F to 55°F SST see page 7

*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 20
Displacement 44 CFM @ 60 Hz

SCT
80°F

SST (°F)	-10	-5	0	5	10	15	20	25	30	35
Capacity (Btu/hr)*	74,294	83,276	92,616	103,209	114,490	126,825	140,266	154,841	170,549	188,080
Evap (Lb/hr)	762	861	971	1095	1233	1388	1561	1753	1965	2199
Cond (Lb/hr)	977	1094	1215	1353	1500	1661	1837	2029	2238	2473
Power (kW)	9	9.1	9.1	9.2	9.3	9.3	9.4	9.4	9.4	9.5
Current (Amps)	15.1	15.1	15.2	15.2	15.3	15.3	15.4	15.4	15.4	15.5
Efficiency (EER)	8.2	9.1	10.1	11.2	12.3	13.6	15	16.5	18.1	19.8
SIT (°F)	11	13	17	20	24	28	32	36	40	43

90°F

Capacity (Btu/hr)*	71,219	79,820	89,293	99,405	110,133	122,291	135,119	149,049	164,104	180,273
Evap (Lb/hr)	750	847	955	1076	1211	1362	1531	1719	1927	2158
Cond (Lb/hr)	979	1097	1227	1365	1512	1678	1854	2047	2256	2483
Power (kW)	10.2	10.3	10.4	10.4	10.5	10.6	10.6	10.7	10.7	10.8
Current (Amps)	16.3	16.3	16.4	16.5	16.5	16.6	16.7	16.7	16.8	16.8
Efficiency (EER)	7	7.8	8.6	9.5	10.5	11.6	12.7	14	15.3	16.8
SIT (°F)	19	21	23	26	30	33	37	41	45	49

100°F

Capacity (Btu/hr)*	68,150	76,609	85,613	95,168	105,641	117,128	129,716	142,929	157,242	172,667
Evap (Lb/hr)	737	832	938	1056	1187	1334	1498	1680	1884	2109
Cond (Lb/hr)	983	1105	1235	1372	1523	1689	1871	2062	2271	2498
Power (kW)	11.5	11.6	11.7	11.8	11.8	11.9	12	12.1	12.2	12.2
Current (Amps)	17.8	17.8	17.9	17.9	18	18.1	18.2	18.2	18.3	18.3
Efficiency (EER)	5.9	6.6	7.3	8.1	8.9	9.8	10.8	11.8	12.9	14.2
SIT (°F)	27	28	30	33	36	39	42	46	50	54

110°F

Capacity (Btu/hr)*	64,880	72,876	81,614	91,219	101,058	111,829	123,629	136,545	150,036	164,622
Evap (Lb/hr)	724	818	920	1034	1161	1303	1461	1637	1834	2053
Cond (Lb/hr)	983	1105	1239	1385	1535	1699	1879	2076	2284	2510
Power (kW)	13	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.8
Current (Amps)	19.4	19.5	19.5	19.7	19.7	19.8	19.9	20	20.1	20.2
Efficiency (EER)	5	5.6	6.2	6.8	7.5	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)*	61,437	69,449	77,930	86,916	96,423	106,867	117,888	129,958	142,562	156,906
Evap (Lb/hr)	712	803	902	1012	1134	1269	1421	1590	1779	1991
Cond (Lb/hr)	981	1111	1249	1394	1548	1716	1894	2090	2295	2530
Power (kW)	14.7	14.8	15	15.1	15.2	15.3	15.4	15.5	15.6	15.7
Current (Amps)	21.4	21.5	21.6	21.7	21.8	21.9	22	22.2	22.2	22.4
Efficiency (EER)	4.2	4.7	5.2	5.8	6.4	7	7.7	8.4	9.2	10
SIT (°F)	46	45	45	46	48	50	53	56	60	63

130°F

Capacity (Btu/hr)*	57,849	65,565	73,700	82,303	91,404	101,014	111,581	122,702	134,886	148,223
Evap (Lb/hr)	700	788	884	989	1105	1234	1378	1540	1720	1923
Cond (Lb/hr)	976	1110	1251	1399	1556	1721	1903	2095	2306	2538
Power (kW)	16.6	16.7	16.9	17	17.1	17.2	17.4	17.5	17.6	17.7
Current (Amps)	23.7	23.8	24	24.1	24.2	24.3	24.5	24.6	24.7	24.9
Efficiency (EER)	3.5	3.9	4.4	4.8	5.3	5.9	6.4	7	7.7	8.4
SIT (°F)	57	55	54	54	55	57	59	62	65	68
SST (°F)	-10	-5	0	5	10	15	20	25	30	35

140°F to 150°F SCT, -10°F to 35°F SST see page 10
80°F to 130°F SCT, 40°F to 55°F SST see page 11
130°F to 150°F SCT, 40°F to 55°F SST see page 12

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 20
Displacement 44 CFM @ 60 Hz

SCT

130°F		SST (°F)	-10	-5	0	5	10	15	20	25	30	35
Capacity (Btu/hr)*			57,849	65,565	73,700	82,303	91,404	101,014	111,581	122,702	134,886	148,223
Evap (Lb/hr)			700	788	884	989	1105	1234	1378	1540	1720	1923
Cond (Lb/hr)			976	1110	1251	1399	1556	1721	1903	2095	2306	2538
Power (kW)			16.6	16.7	16.9	17	17.1	17.2	17.4	17.5	17.6	17.7
Current (Amps)			23.7	23.8	24	24.1	24.2	24.3	24.5	24.6	24.7	24.9
Efficiency (EER)			3.5	3.9	4.4	4.8	5.3	5.9	6.4	7	7.7	8.4
SIT (°F)			57	55	54	54	55	57	59	62	65	68
140°F												
Capacity (Btu/hr)*			54,382	61,784	69,556	77,752	86,418	95,579	105,241	115,889	127,072	139,343
Evap (Lb/hr)			689	774	866	966	1076	1198	1334	1486	1657	1849
Cond (Lb/hr)			974	1111	1255	1407	1567	1736	1914	2110	2317	2546
Power (kW)			18.8	18.9	19.1	19.2	19.4	19.5	19.6	19.8	19.9	20
Current (Amps)			26.5	26.6	26.8	26.9	27.1	27.2	27.3	27.5	27.7	27.9
Efficiency (EER)			2.9	3.3	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
150°F												
Capacity (Btu/hr)*			50,829	57,875	65,234	72,970	81,136	89,775	98,907	108,533	119,174	130,333
Evap (Lb/hr)			680	762	848	943	1046	1160	1287	1430	1590	1770
Cond (Lb/hr)			971	1111	1257	1412	1574	1746	1928	2119	2331	2554
Power (kW)			21.2	21.4	21.5	21.7	21.9	22	22.2	22.3	22.5	22.6
Current (Amps)			29.8	29.9	30	30.2	30.4	30.6	30.7	30.9	31.1	31.3
Efficiency (EER)			2.4	2.7	3	3.4	3.7	4.1	4.5	4.9	5.3	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 9
80°F to 130°F SCT, 40°F to 55°F SST see page 11
130°F to 150°F SCT, 40°F to 55°F SST see page 12

*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 20
 Displacement 44 CFM @ 60 Hz

SCT
 80°F

SST (°F)	40	45	50	55
Capacity (Btu/hr)*	206,807	226,624	248,374	271,033
Evap (Lb/hr)	2456	2734	3035	3356
Cond (Lb/hr)	2726	2997	3299	3617
Power (kW)	9.5	9.5	9.5	9.5
Current (Amps)	15.5	15.5	15.6	15.5
Efficiency (EER)	21.7	23.8	26.1	28.6
SIT (°F)	46	49	51	53

90°F

Capacity (Btu/hr)*	198,314	217,517	237,754	259,957
Evap (Lb/hr)	2412	2690	2991	3316
Cond (Lb/hr)	2738	3014	3308	3634
Power (kW)	10.8	10.8	10.8	10.9
Current (Amps)	16.9	16.9	16.9	16.9
Efficiency (EER)	18.3	20.1	21.9	23.9
SIT (°F)	52	55	58	60

100°F

Capacity (Btu/hr)*	189,981	207,624	227,190	248,852
Evap (Lb/hr)	2359	2634	2934	3260
Cond (Lb/hr)	2756	3022	3320	3655
Power (kW)	12.3	12.3	12.4	12.4
Current (Amps)	18.5	18.5	18.5	18.6
Efficiency (EER)	15.5	16.9	18.4	20
SIT (°F)	57	61	64	66

110°F

Capacity (Btu/hr)*	181,091	197,942	216,781	236,718
Evap (Lb/hr)	2297	2566	2863	3187
Cond (Lb/hr)	2768	3036	3338	3664
Power (kW)	13.9	14	14.1	14.1
Current (Amps)	20.3	20.4	20.5	20.6
Efficiency (EER)	13	14.2	15.4	16.8
SIT (°F)	62	66	69	72

120°F

Capacity (Btu/hr)*	171,745	187,680	205,636	224,787
Evap (Lb/hr)	2227	2489	2779	3099
Cond (Lb/hr)	2776	3044	3348	3679
Power (kW)	15.8	15.9	16	16.1
Current (Amps)	22.5	22.6	22.8	22.9
Efficiency (EER)	10.9	11.8	12.9	14
SIT (°F)	67	71	74	77
SST (°F)	40	45	50	55

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 20
 Displacement 44 CFM @ 60 Hz

SCT
 130°F

SST (°F)	40	45	50	55
Capacity (Btu/hr)*	162,040	177,787	193,884	212,080
Evap (Lb/hr)	2149	2402	2684	2997
Cond (Lb/hr)	2781	3061	3352	3685
Power (kW)	17.8	18	18.1	18.3
Current (Amps)	25	25.3	25.4	25.6
Efficiency (EER)	9.1	9.9	10.7	11.6
SIT (°F)	72	75	79	82

140°F

SST (°F)	40	45	50	55
Capacity (Btu/hr)*	152,788	166,672	182,566	198,745
Evap (Lb/hr)	2065	2306	2578	2881
Cond (Lb/hr)	2798	3061	3366	3683
Power (kW)	20.2	20.3	20.5	20.6
Current (Amps)	28.1	28.3	28.6	28.7
Efficiency (EER)	7.6	8.2	8.9	9.6
SIT (°F)	76	80	83	87

150°F

SST (°F)	40	45	50	55
Capacity (Btu/hr)*	142,604	156,076	169,946	185,912
Evap (Lb/hr)	1974	2203	2461	2752
Cond (Lb/hr)	2802	3075	3362	3696
Power (kW)	22.8	23	23.1	23.4
Current (Amps)	31.6	31.9	32	32.4
Efficiency (EER)	6.3	6.8	7.3	7.9
SIT (°F)	81	84	88	91

80°F to 140°F SCT, -10°F to 35°F SST see page 9
 130°F to 150°F SCT, -10°F to 35°F SST see page 10
 80°F to 130°F SCT, 40°F to 55°F SST see page 11

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 48 CFM @ 60 Hz

SCT
80°F

SST (°F)	-10	-5	0	5	10	15	20	25	30	35
Capacity (Btu/hr)*	80,675	90,397	100,511	111,986	124,204	137,559	152,103	167,862	184,835	203,762
Evap (Lb/hr)	827	934	1054	1188	1338	1506	1692	1900	2130	2383
Cond (Lb/hr)	1060	1188	1319	1468	1627	1802	1992	2200	2425	2679
Power (kW)	10.1	10.2	10.3	10.3	10.4	10.4	10.5	10.5	10.6	10.6
Current (Amps)	17.6	17.7	17.8	17.9	17.9	18	18	18	18.1	18.1
Efficiency (EER)	8	8.9	9.8	10.8	12	13.2	14.5	15.9	17.5	19.2
SIT (°F)	11	13	17	20	24	28	32	36	40	43

90°F

Capacity (Btu/hr)*	77,405	86,709	96,966	107,922	119,546	132,719	146,612	161,691	177,976	195,453
Evap (Lb/hr)	815	920	1037	1168	1315	1479	1661	1865	2090	2340
Cond (Lb/hr)	1064	1192	1333	1482	1641	1821	2012	2220	2447	2692
Power (kW)	11.4	11.5	11.6	11.7	11.7	11.8	11.8	11.9	11.9	12
Current (Amps)	19	19	19.2	19.2	19.2	19.4	19.4	19.5	19.5	19.5
Efficiency (EER)	6.8	7.5	8.4	9.3	10.2	11.3	12.4	13.6	14.9	16.3
SIT (°F)	19	21	23	26	30	33	37	41	45	49

100°F

Capacity (Btu/hr)*	74,208	83,357	93,108	103,465	114,824	127,283	140,935	155,257	170,763	187,461
Evap (Lb/hr)	802	906	1020	1148	1290	1449	1627	1825	2046	2290
Cond (Lb/hr)	1070	1202	1343	1492	1655	1835	2032	2240	2466	2712
Power (kW)	12.9	13	13.1	13.1	13.2	13.3	13.4	13.4	13.5	13.6
Current (Amps)	20.5	20.5	20.6	20.6	20.7	20.8	20.9	21	21.1	21.1
Efficiency (EER)	5.8	6.4	7.1	7.9	8.7	9.6	10.5	11.5	12.6	13.8
SIT (°F)	27	28	30	33	36	39	42	46	50	54

110°F

Capacity (Btu/hr)*	70,843	79,491	88,961	99,385	110,069	121,769	134,587	148,615	163,259	179,080
Evap (Lb/hr)	791	892	1003	1127	1265	1418	1590	1782	1996	2234
Cond (Lb/hr)	1073	1206	1350	1509	1672	1850	2045	2260	2485	2731
Power (kW)	14.5	14.6	14.7	14.8	14.9	15	15.1	15.2	15.2	15.3
Current (Amps)	22.1	22.1	22.2	22.4	22.4	22.5	22.6	22.8	22.8	22.9
Efficiency (EER)	4.9	5.5	6.1	6.7	7.4	8.1	8.9	9.8	10.7	11.7
SIT (°F)	36	37	38	39	42	45	48	51	55	59

120°F

Capacity (Btu/hr)*	67,327	76,001	85,203	94,968	105,310	116,678	128,676	141,815	155,528	171,128
Evap (Lb/hr)	780	878	986	1106	1238	1386	1551	1735	1941	2171
Cond (Lb/hr)	1075	1216	1365	1523	1690	1874	2068	2281	2504	2760
Power (kW)	16.3	16.4	16.6	16.7	16.8	16.9	17	17.1	17.2	17.3
Current (Amps)	24.1	24.2	24.3	24.4	24.5	24.6	24.7	24.8	24.9	25.1
Efficiency (EER)	4.1	4.6	5.1	5.7	6.3	6.9	7.6	8.3	9	9.9
SIT (°F)	46	45	45	46	48	50	53	56	60	63

130°F

Capacity (Btu/hr)*	63,671	72,034	80,876	90,244	100,168	110,654	122,192	134,332	147,630	162,177
Evap (Lb/hr)	770	866	970	1084	1211	1352	1510	1686	1883	2104
Cond (Lb/hr)	1075	1219	1372	1534	1705	1886	2084	2293	2524	2777
Power (kW)	18.3	18.4	18.6	18.7	18.9	19	19.1	19.2	19.4	19.5
Current (Amps)	26.4	26.5	26.6	26.8	26.9	27	27.2	27.3	27.4	27.6
Efficiency (EER)	3.5	3.9	4.4	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 14
 80°F to 130°F SCT, 40°F to 55°F SST see page 15
 130°F to 150°F SCT, 40°F to 55°F SST see page 16

*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 48 CFM @ 60 Hz

SCT

130°F		SST (°F)	-10	-5	0	5	10	15	20	25	30	35
Capacity (Btu/hr)*			63,671	72,034	80,876	90,244	100,168	110,654	122,192	134,332	147,630	162,177
Evap (Lb/hr)			770	866	970	1084	1211	1352	1510	1686	1883	2104
Cond (Lb/hr)			1075	1219	1372	1534	1705	1886	2084	2293	2524	2777
Power (kW)			18.3	18.4	18.6	18.7	18.9	19	19.1	19.2	19.4	19.5
Current (Amps)			26.4	26.5	26.6	26.8	26.9	27	27.2	27.3	27.4	27.6
Efficiency (EER)			3.5	3.9	4.4	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
140°F												
Capacity (Btu/hr)*			60,154	68,191	76,656	85,606	95,084	105,115	115,700	127,367	139,617	153,050
Evap (Lb/hr)			763	855	954	1063	1184	1317	1466	1633	1821	2031
Cond (Lb/hr)			1077	1226	1383	1549	1724	1909	2104	2319	2546	2796
Power (kW)			20.5	20.7	20.9	21	21.2	21.4	21.5	21.7	21.8	22
Current (Amps)			29.3	29.4	29.6	29.7	29.9	30.1	30.2	30.4	30.5	30.7
Efficiency (EER)			2.9	3.3	3.7	4.1	4.5	4.9	5.4	5.9	6.4	7
SIT (°F)			68	65	63	62	62	63	65	67	70	73
150°F												
Capacity (Btu/hr)*			56,534	64,201	72,239	80,715	89,682	99,181	109,230	119,824	131,534	143,807
Evap (Lb/hr)			757	845	940	1043	1156	1282	1422	1579	1755	1953
Cond (Lb/hr)			1079	1232	1392	1561	1740	1929	2129	2340	2573	2819
Power (kW)			23	23.2	23.4	23.6	23.8	24	24.2	24.3	24.5	24.7
Current (Amps)			32.8	33	33.1	33.3	33.5	33.7	33.9	34	34.3	34.5
Efficiency (EER)			2.5	2.8	3.1	3.4	3.8	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 13
 80°F to 130°F SCT, 40°F to 55°F SST see page 15
 130°F to 150°F SCT, 40°F to 55°F SST see page 16

*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 48 CFM @ 60 Hz

SCT
 80°F

SST (°F)	40	45	50	55
Capacity (Btu/hr)*	223,963	245,317	268,737	293,109
Evap (Lb/hr)	2659	2960	3284	3630
Cond (Lb/hr)	2952	3245	3569	3911
Power (kW)	10.7	10.7	10.7	10.7
Current (Amps)	18.2	18.2	18.2	18.1
Efficiency (EER)	21	23	25.1	27.4
SIT (°F)	46	49	51	53

90°F

Capacity (Btu/hr)*	214,938	235,661	257,477	281,393
Evap (Lb/hr)	2614	2914	3240	3590
Cond (Lb/hr)	2968	3265	3582	3934
Power (kW)	12.1	12.1	12.1	12.1
Current (Amps)	19.6	19.6	19.6	19.7
Efficiency (EER)	17.8	19.5	21.3	23.2
SIT (°F)	52	55	58	60

100°F

Capacity (Btu/hr)*	206,192	225,259	246,388	269,762
Evap (Lb/hr)	2560	2857	3182	3534
Cond (Lb/hr)	2991	3278	3601	3962
Power (kW)	13.7	13.7	13.7	13.8
Current (Amps)	21.2	21.2	21.3	21.4
Efficiency (EER)	15.1	16.5	18	19.5
SIT (°F)	57	61	64	66

110°F

Capacity (Btu/hr)*	196,933	215,181	235,566	257,117
Evap (Lb/hr)	2498	2790	3111	3462
Cond (Lb/hr)	3010	3300	3627	3979
Power (kW)	15.4	15.5	15.6	15.6
Current (Amps)	23	23.1	23.2	23.3
Efficiency (EER)	12.8	13.9	15.1	16.4
SIT (°F)	62	66	69	72

120°F

Capacity (Btu/hr)*	187,250	204,548	224,026	244,779
Evap (Lb/hr)	2428	2713	3028	3375
Cond (Lb/hr)	3027	3317	3648	4006
Power (kW)	17.4	17.5	17.6	17.8
Current (Amps)	25.2	25.3	25.5	25.6
Efficiency (EER)	10.7	11.7	12.7	13.8
SIT (°F)	67	71	74	77

130°F

Capacity (Btu/hr)*	177,234	194,384	211,892	231,668
Evap (Lb/hr)	2351	2626	2933	3274
Cond (Lb/hr)	3042	3347	3663	4025
Power (kW)	19.6	19.8	19.9	20.1
Current (Amps)	27.8	28	28.1	28.3
Efficiency (EER)	9	9.8	10.6	11.5
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 13
 130°F to 150°F SCT, -10°F to 35°F SST see page 14
 130°F to 150°F SCT, 40°F to 55°F SST see page 16

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 48 CFM @ 60 Hz

SCT
130°F

SST (°F)	40	45	50	55
Capacity (Btu/hr)*	177,234	194,384	211,892	231,668
Evap (Lb/hr)	2351	2626	2933	3274
Cond (Lb/hr)	3042	3347	3663	4025
Power (kW)	19.6	19.8	19.9	20.1
Current (Amps)	27.8	28	28.1	28.3
Efficiency (EER)	9	9.8	10.6	11.5
SIT (°F)	72	75	79	82

140°F

Capacity (Btu/hr)*	167,760	182,931	200,286	217,925
Evap (Lb/hr)	2267	2531	2828	3159
Cond (Lb/hr)	3072	3360	3693	4039
Power (kW)	22.2	22.3	22.5	22.6
Current (Amps)	31	31.1	31.4	31.6
Efficiency (EER)	7.6	8.2	8.9	9.6
SIT (°F)	76	80	83	87

150°F

Capacity (Btu/hr)*	157,293	172,083	187,288	204,775
Evap (Lb/hr)	2177	2429	2712	3031
Cond (Lb/hr)	3090	3391	3705	4071
Power (kW)	24.9	25.1	25.2	25.5
Current (Amps)	34.7	35	35.2	35.6
Efficiency (EER)	6.3	6.9	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 13
 130°F to 150°F SCT, -10°F to 35°F SST see page 14
 80°F to 130°F SCT, 40°F to 55°F SST see page 15

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

140°F

Capacity (Btu/hr)*	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

150°F

Capacity (Btu/hr)*	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
 70°F

SST (°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

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

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

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

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

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

120°F		SST (°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
575-3-60 multiply by .8

Rating Information: 65°F Return Gas
Liquid Subcooled to 10°F above SIT
Horsepower 30
Displacement 65 CFM @ 60 Hz

SCT

80°F	SST (°F)	-10	-5	0	5	10	15	20	25	30	35
Capacity (Btu/hr)*		114,375	128,074	142,320	158,477	175,657	194,413	214,806	236,865	260,577	286,979
Evap (Lb/hr)		1173	1324	1492	1681	1892	2128	2390	2681	3003	3356
Cond (Lb/hr)		1503	1683	1867	2078	2301	2546	2813	3104	3419	3773
Power (kW)		14.2	14.3	14.3	14.4	14.5	14.6	14.7	14.7	14.8	14.8
Current (Amps)		21	21.1	21.1	21.3	21.3	21.4	21.5	21.6	21.6	21.7
Efficiency (EER)		8.1	9	9.9	11	12.1	13.3	14.7	16.1	17.7	19.3
SIT (°F)		11	13	17	20	24	28	32	36	40	43
90°F											
Capacity (Btu/hr)*		110,437	123,601	138,121	153,624	170,056	188,660	208,247	229,471	252,348	276,849
Evap (Lb/hr)		1162	1311	1477	1663	1870	2102	2360	2646	2964	3314
Cond (Lb/hr)		1519	1699	1898	2110	2334	2589	2858	3151	3469	3813
Power (kW)		15.9	16	16.1	16.2	16.3	16.4	16.5	16.6	16.6	16.7
Current (Amps)		23	23.1	23.2	23.4	23.4	23.6	23.7	23.8	23.8	23.9
Efficiency (EER)		6.9	7.7	8.6	9.5	10.4	11.5	12.6	13.9	15.2	16.6
SIT (°F)		19	21	23	26	30	33	37	41	45	49
100°F											
Capacity (Btu/hr)*		106,645	119,662	133,544	148,290	164,453	182,163	201,542	221,833	243,757	267,318
Evap (Lb/hr)		1153	1300	1463	1645	1848	2074	2327	2608	2920	3266
Cond (Lb/hr)		1538	1726	1926	2138	2371	2626	2906	3201	3521	3868
Power (kW)		17.9	18	18.1	18.2	18.3	18.4	18.6	18.6	18.7	18.8
Current (Amps)		25.4	25.6	25.7	25.8	25.9	26.1	26.3	26.4	26.5	26.6
Efficiency (EER)		6	6.6	7.4	8.2	9	9.9	10.9	11.9	13	14.2
SIT (°F)		27	28	30	33	36	39	42	46	50	54
110°F											
Capacity (Btu/hr)*		102,650	115,032	128,612	143,569	158,887	175,649	193,987	214,020	234,886	257,378
Evap (Lb/hr)		1146	1290	1450	1628	1826	2046	2292	2566	2871	3210
Cond (Lb/hr)		1555	1745	1952	2180	2413	2668	2948	3254	3575	3925
Power (kW)		20.1	20.2	20.3	20.5	20.6	20.7	20.8	21	21.1	21.2
Current (Amps)		28.2	28.3	28.5	28.7	28.8	29	29.2	29.4	29.5	29.6
Efficiency (EER)		5.1	5.7	6.3	7	7.7	8.5	9.3	10.2	11.1	12.2
SIT (°F)		36	37	38	39	42	45	48	51	55	59
120°F											
Capacity (Btu/hr)*		98,462	110,986	124,297	138,432	153,399	169,839	187,163	206,101	225,816	248,203
Evap (Lb/hr)		1141	1283	1439	1612	1804	2017	2256	2522	2819	3149
Cond (Lb/hr)		1572	1776	1992	2221	2462	2728	3007	3314	3635	4003
Power (kW)		22.6	22.8	22.9	23.1	23.2	23.4	23.5	23.7	23.7	24
Current (Amps)		31.3	31.6	31.8	32	32.2	32.4	32.6	32.8	33	33.2
Efficiency (EER)		4	5	5.4	6	6.6	7.3	8	8.7	9.5	10.4
SIT (°F)		46	45.3	45	46	48	50	53	56	60	63
130°F											
Capacity (Btu/hr)*		94,093	106,283	119,203	132,909	147,429	162,761	179,607	197,295	216,627	237,722
Evap (Lb/hr)		1139	1278	1430	1597	1783	1989	2219	2476	2763	3084
Cond (Lb/hr)		1588	1799	2023	2260	2510	2774	3063	3368	3703	4071
Power (kW)		25.4	25.6	25.7	25.9	26.1	26.2	26.4	26.6	26.8	27
Current (Amps)		34.8	35.1	35.4	35.6	35.9	36.1	36.4	36.6	36.8	37.1
Efficiency (EER)		3.7	4.2	4.6	5.1	5.7	6.2	6.8	7.4	8.1	8.8
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 22
80°F to 130°F SCT, 40°F to 55°F SST see page 23
130°F to 150°F SCT, 40°F to 55°F SST see page 24

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 30
 Displacement 65 CFM @ 60 Hz

SCT

130°F		SST (°F)	-10	-5	0	5	10	15	20	25	30	35
Capacity (Btu/hr)*			94,093	106,283	119,203	132,909	147,429	162,761	179,607	197,295	216,627	237,722
Evap (Lb/hr)			1139	1278	1430	1597	1783	1989	2219	2476	2763	3084
Cond (Lb/hr)			1588	1799	2023	2260	2510	2774	3063	3368	3703	4071
Power (kW)			25.4	25.6	25.7	25.9	26.1	26.2	26.4	26.6	26.8	27
Current (Amps)			34.8	35.1	35.4	35.6	35.9	36.1	36.4	36.6	36.8	37.1
Efficiency (EER)			3.7	4.2	4.6	5.1	5.7	6.2	6.8	7.4	8.1	8.8
SIT (°F)			57	55	54	54	55	57	59	62	65	68
140°F												
Capacity (Btu/hr)*			89,947	101,792	114,310	127,569	141,618	156,478	172,134	189,359	207,392	227,113
Evap (Lb/hr)			1140	1276	1423	1585	1763	1961	2182	2428	2704	3014
Cond (Lb/hr)			1611	1830	2062	2308	2568	2842	3130	3448	3782	4149
Power (kW)			28.6	28.8	29	29.2	29.4	29.6	29.8	30	30.2	30.4
Current (Amps)			38.8	39.1	39.4	39.8	40.1	40.4	40.6	40.9	41.2	41.5
Efficiency (EER)			3.1	3.5	3.9	4.4	4.8	5.3	5.8	6.3	6.9	7.5
SIT (°F)			68	65	63	62	62	63	65	67	70	73
150°F												
Capacity (Btu/hr)*			85,665	97,112	109,167	121,909	135,405	149,695	164,793	180,673	198,179	216,460
Evap (Lb/hr)			1147	1278	1420	1575	1745	1934	2145	2380	2644	2940
Cond (Lb/hr)			1636	1863	2104	2358	2628	2912	3212	3528	3877	4242
Power (kW)			32.2	32.4	32.6	32.8	33.1	33.4	33.6	33.8	34.1	34.3
Current (Amps)			43.2	43.5	43.8	44.2	44.6	45	45.3	45.6	46	46.2
Efficiency (EER)			2.7	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
		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 21
 80°F to 130°F SCT, 40°F to 55°F SST see page 23
 130°F to 150°F SCT, 40°F to 55°F SST see page 24

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 30
 Displacement 65 CFM @ 60 Hz

SCT
 80°F

SST (°F)	40	45	50	55
Capacity (Btu/hr)*	315,100	344,765	377,246	410,972
Evap (Lb/hr)	3742	4160	4610	5089
Cond (Lb/hr)	4154	4560	5010	5484
Power (kW)	14.9	14.9	14.9	14.9
Current (Amps)	21.8	21.8	21.8	21.8
Efficiency (EER)	21.2	23.2	25.3	27.6
SIT (°F)	46	49	51	53

90°F

Capacity (Btu/hr)*	304,122	333,065	363,465	396,736
Evap (Lb/hr)	3699	4119	4573	5061
Cond (Lb/hr)	4199	4614	5056	5546
Power (kW)	16.8	16.8	16.8	16.8
Current (Amps)	24	24.1	24.1	24.2
Efficiency (EER)	18.2	19.8	21.6	23.6
SIT (°F)	52	55	58	60

100°F

Capacity (Btu/hr)*	293,704	320,484	350,110	382,827
Evap (Lb/hr)	3647	4065	4521	5015
Cond (Lb/hr)	4260	4664	5116	5622
Power (kW)	18.9	18.9	19	19.1
Current (Amps)	26.7	26.8	26.9	27
Efficiency (EER)	15.5	16.9	18.4	20
SIT (°F)	57	61	64	66

110°F

Capacity (Btu/hr)*	282,715	308,532	337,320	367,676
Evap (Lb/hr)	3586	4000	4455	4951
Cond (Lb/hr)	4321	4731	5194	5690
Power (kW)	21.3	21.4	21.5	21.6
Current (Amps)	29.9	29.9	30.1	30.2
Efficiency (EER)	13.2	14.4	15.7	17
SIT (°F)	62	66	69	72

120°F

Capacity (Btu/hr)*	271,270	295,951	323,688	353,157
Evap (Lb/hr)	3517	3925	4375	4869
Cond (Lb/hr)	4385	4799	5270	5779
Power (kW)	24.1	24.2	24.4	24.5
Current (Amps)	33.4	33.5	33.7	33.9
Efficiency (EER)	11.3	12.2	13.3	14.4
SIT (°F)	67	71	74	77

130°F

Capacity (Btu/hr)*	259,484	284,217	309,369	337,716
Evap (Lb/hr)	3441	3840	4283	4772
Cond (Lb/hr)	4454	4893	5348	5867
Power (kW)	27.1	27.4	27.5	27.8
Current (Amps)	37.3	37.6	37.8	38.1
Efficiency (EER)	9.6	10.4	11.2	12.2
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 21
 130°F to 150°F SCT, -10°F to 35°F SST see page 22
 130°F to 150°F SCT, 40°F to 55°F SST see page 24

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 30
 Displacement 65 CFM @ 60 Hz

**SCT
 130°F**

SST (°F)	40	45	50	55
Capacity (Btu/hr)*	259,484	284,217	309,369	337,716
Evap (Lb/hr)	3441	3840	4283	4772
Cond (Lb/hr)	4454	4893	5348	5867
Power (kW)	27.1	27.4	27.5	27.8
Current (Amps)	37.3	37.6	37.8	38.1
Efficiency (EER)	9.6	10.4	11.2	12.2
SIT (°F)	72	75	79	82

140°F

Capacity (Btu/hr)*	248,643	270,759	295,996	321,529
Evap (Lb/hr)	3360	3747	4179	4660
Cond (Lb/hr)	4553	4973	5458	5959
Power (kW)	30.7	30.9	31.2	31.3
Current (Amps)	41.8	42	42.4	42.6
Efficiency (EER)	8.1	8.8	9.5	10.3
SIT (°F)	76	80	83	87

150°F

Capacity (Btu/hr)*	236,478	258,354	280,736	306,404
Evap (Lb/hr)	3273	3646	4066	4535
Cond (Lb/hr)	4646	5091	5554	6091
Power (kW)	34.6	34.9	35.1	35.5
Current (Amps)	46.6	47	47.2	47.7
Efficiency (EER)	6.8	7.4	8	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 21
 130°F to 150°F SCT, -10°F to 35°F SST see page 22
 80°F to 130°F SCT, 40°F to 55°F SST see page 23

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

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

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
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 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
<hr/>						
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 40
Displacement 88 CFM @ 60 Hz

SCT
80°F

SST (°F)	-10	-5	0	5	10	15	20	25	30	35
Capacity (Btu/hr)*	154,598	173,038	192,208	213,942	237,035	262,225	289,587	319,153	350,898	386,211
Evap (Lb/hr)	1585	1788	2015	2269	2553	2870	3222	3613	4043	4516
Cond (Lb/hr)	2032	2273	2522	2805	3106	3434	3793	4183	4604	5078
Power (kW)	20.4	20.5	20.6	20.7	20.8	20.9	21	21.1	21.1	21.2
Current (Amps)	28.9	29.1	29.2	29.3	29.4	29.5	29.7	29.7	29.8	29.9
Efficiency (EER)	7.6	8.4	9.3	10.3	11.4	12.5	13.8	15.2	16.6	18.2
SIT (°F)	11	13	17	20	24	28	32	36	40	43

90°F

Capacity (Btu/hr)*	149,706	167,458	187,039	207,935	230,065	255,104	281,435	309,935	340,618	373,439
Evap (Lb/hr)	1575	1776	2001	2251	2530	2842	3189	3574	4001	4471
Cond (Lb/hr)	2059	2302	2570	2856	3158	3501	3862	4256	4683	5143
Power (kW)	22.7	22.8	23	23.1	23.2	23.3	23.4	23.5	23.6	23.7
Current (Amps)	31.6	31.8	32	32.1	32.2	32.4	32.5	32.7	32.8	32.8
Efficiency (EER)	6.6	7.3	8.1	9	9.9	10.9	12	13.2	14.4	15.8
SIT (°F)	19	21	23	26	30	33	37	41	45	49

100°F

Capacity (Btu/hr)*	144,990	162,588	181,355	201,280	223,104	246,998	273,118	300,429	329,900	361,531
Evap (Lb/hr)	1568	1766	1987	2233	2507	2813	3153	3532	3952	4417
Cond (Lb/hr)	2091	2345	2616	2902	3216	3561	3938	4334	4765	5231
Power (kW)	25.3	25.5	25.6	25.7	25.8	26	26.1	26.3	26.4	26.4
Current (Amps)	35	35.1	35.3	35.4	35.5	35.8	36	36.1	36.3	36.4
Efficiency (EER)	5.7	6.4	7.1	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)*	139,978	156,768	175,185	195,463	216,210	238,893	263,681	290,729	318,853	349,129
Evap (Lb/hr)	1562	1759	1976	2216	2484	2783	3115	3486	3898	4355
Cond (Lb/hr)	2121	2378	2659	2969	3284	3629	4007	4421	4854	5324
Power (kW)	28.3	28.3	28.5	28.7	28.8	28.9	29.1	29.3	29.5	29.6
Current (Amps)	38.8	38.8	39	39.4	39.5	39.7	39.9	40.2	40.3	40.5
Efficiency (EER)	5	5.5	6.2	6.8	7.5	8.3	9.1	9.9	10.8	11.8
SIT (°F)	36	37	38	39	42	45	48	51	55	59

120°F

Capacity (Btu/hr)*	134,684	151,734	169,855	189,089	209,440	231,773	255,272	280,927	307,589	337,829
Evap (Lb/hr)	1560	1754	1966	2202	2463	2753	3077	3437	3839	4287
Cond (Lb/hr)	2150	2428	2722	3033	3362	3722	4102	4518	4952	5448
Power (kW)	31.6	31.8	31.9	32.1	32.3	32.5	32.7	32.9	33	33.3
Current (Amps)	43	43.3	43.6	43.8	44	44.3	44.5	44.8	45	45.3
Efficiency (EER)	4.3	4.8	5.3	5.9	6.5	7.1	7.8	8.5	9.3	10.1
SIT (°F)	46	45	45	46	48	50	53	56	60	63

130°F

Capacity (Btu/hr)*	129,124	145,792	163,462	182,199	202,032	222,948	245,903	269,961	296,216	324,817
Evap (Lb/hr)	1562	1753	1961	2189	2443	2724	3038	3388	3778	4213
Cond (Lb/hr)	2179	2468	2774	3098	3439	3799	4194	4609	5063	5562
Power (kW)	35.3	35.5	35.7	36	36.2	36.4	36.6	36.8	37.1	37.4
Current (Amps)	47.8	48.1	48.4	48.7	49	49.2	49.5	49.8	50.1	50.5
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 30
80°F to 130°F SCT, 40°F to 55°F SST see page 31
130°F to 150°F SCT, 40°F to 55°F SST see page 32

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 40
 Displacement 88 CFM @ 60 Hz

SCT
130°F

SST (°F)	-10	-5	0	5	10	15	20	25	30	35
Capacity (Btu/hr)*	129,124	145,792	163,462	182,199	202,032	222,948	245,903	269,961	296,216	324,817
Evap (Lb/hr)	1562	1753	1961	2189	2443	2724	3038	3388	3778	4213
Cond (Lb/hr)	2179	2468	2774	3098	3439	3799	4194	4609	5063	5562
Power (kW)	35.3	35.5	35.7	36	36.2	36.4	36.6	36.8	37.1	37.4
Current (Amps)	47.8	48.1	48.4	48.7	49	49.2	49.5	49.8	50.1	50.5
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

Capacity (Btu/hr)*	123,856	140,138	157,349	175,572	194,864	215,245	236,684	260,234	284,837	311,694
Evap (Lb/hr)	1570	1756	1959	2181	2426	2697	3000	3337	3714	4136
Cond (Lb/hr)	2218	2520	2839	3176	3533	3909	4304	4739	5194	5694
Power (kW)	39.7	40	40.2	40.5	40.8	41	41.2	41.6	41.8	42.1
Current (Amps)	53.2	53.5	53.8	54.2	54.6	54.9	55.1	55.6	55.9	56.2
Efficiency (EER)	3.1	3.5	3.9	4.3	4.8	5.2	5.7	6.3	6.8	7.4
SIT (°F)	68	65	63	62	62	63	65	67	70	73

150°F

Capacity (Btu/hr)*	118,391	134,221	150,897	168,521	187,170	206,891	227,693	249,528	273,552	298,578
Evap (Lb/hr)	1585	1766	1963	2177	2412	2673	2963	3287	3650	4056
Cond (Lb/hr)	2260	2575	2908	3260	3632	4025	4438	4873	5351	5852
Power (kW)	44.8	45.1	45.3	45.6	46	46.3	46.6	46.9	47.3	47.6
Current (Amps)	59.1	59.4	59.7	60.2	60.6	61	61.4	61.7	62.2	62.5
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
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 29
 80°F to 130°F SCT, 40°F to 55°F SST see page 31
 130°F to 150°F SCT, 40°F to 55°F SST see page 32

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 40
 Displacement 88 CFM @ 60 Hz

**SCT
 80°F**

SST (°F)	40	45	50	55
Capacity (Btu/hr)*	423,779	463,357	506,651	551,543
Evap (Lb/hr)	5032	5591	6191	6830
Cond (Lb/hr)	5586	6128	6729	7360
Power (kW)	21.3	21.3	21.3	21.3
Current (Amps)	30	30	30.1	30
Efficiency (EER)	19.9	21.8	23.8	25.9
SIT (°F)	46	49	51	53

90°F

Capacity (Btu/hr)*	409,938	448,618	489,191	533,551
Evap (Lb/hr)	4986	5547	6155	6806
Cond (Lb/hr)	5661	6215	6805	7459
Power (kW)	23.8	23.8	23.9	23.9
Current (Amps)	33	33.1	33.1	33.1
Efficiency (EER)	17.2	18.8	20.5	22.3
SIT (°F)	52	55	58	60

100°F

Capacity (Btu/hr)*	396,917	432,768	472,387	516,094
Evap (Lb/hr)	4928	5489	6100	6760
Cond (Lb/hr)	5758	6298	6903	7580
Power (kW)	26.6	26.7	26.7	26.9
Current (Amps)	36.6	36.7	36.8	36.9
Efficiency (EER)	14.9	16.2	17.7	19.2
SIT (°F)	57	61	64	66

110°F

Capacity (Btu/hr)*	383,195	417,841	456,432	497,061
Evap (Lb/hr)	4860	5417	6028	6693
Cond (Lb/hr)	5857	6408	7028	7693
Power (kW)	29.8	29.9	30.1	30.2
Current (Amps)	40.8	40.9	41.1	41.3
Efficiency (EER)	12.8	14	15.2	16.4
SIT (°F)	62	66	69	72

120°F

Capacity (Btu/hr)*	368,924	402,142	439,430	478,980
Evap (Lb/hr)	4783	5333	5939	6604
Cond (Lb/hr)	5963	6521	7155	7838
Power (kW)	33.5	33.6	33.9	34.1
Current (Amps)	45.5	45.7	46	46.3
Efficiency (EER)	11	12	13	14
SIT (°F)	67	71	74	77

130°F

Capacity (Btu/hr)*	354,259	387,677	421,582	459,748
Evap (Lb/hr)	4698	5238	5836	6496
Cond (Lb/hr)	6080	6674	7288	7987
Power (kW)	37.6	37.9	38.1	38.5
Current (Amps)	50.7	51.2	51.4	51.8
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 29
 130°F to 150°F SCT, -10°F to 35°F SST see page 30
 130°F to 150°F SCT, 40°F to 55°F SST see page 32

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 40
 Displacement 88 CFM @ 60 Hz

SCT

		SST (°F)	40	45	50	55
130°F						
130°F	Capacity (Btu/hr)*		354,259	387,677	421,582	459,748
	Evap (Lb/hr)		4698	5238	5836	6496
	Cond (Lb/hr)		6080	6674	7288	7987
	Power (kW)		37.6	37.9	38.1	38.5
	Current (Amps)		50.7	51.2	51.4	51.8
	Efficiency (EER)		9.4	10.2	11.1	12
	SIT (°F)		72	75	79	82
140°F						
140°F	Capacity (Btu/hr)*		340,958	370,945	405,119	439,600
	Evap (Lb/hr)		4607	5133	5720	6371
	Cond (Lb/hr)		6243	6813	7470	8147
	Power (kW)		42.5	42.7	43.2	43.4
	Current (Amps)		56.7	57	57.5	57.7
	Efficiency (EER)		8	8.7	9.4	10.1
	SIT (°F)		76	80	83	87
150°F						
150°F	Capacity (Btu/hr)*		325,924	355,744	386,167	421,009
	Evap (Lb/hr)		4511	5021	5592	6231
	Cond (Lb/hr)		6403	7010	7640	8369
	Power (kW)		47.9	48.4	48.7	49.2
	Current (Amps)		63	63.5	63.8	64.5
	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 29
 130°F to 150°F SCT, -10°F to 35°F SST see page 30
 80°F to 130°F SCT, 40°F to 55°F SST see page 31

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 15
Displacement 33 CFM @ 60 Hz

SCT
70°F

SST (°F)	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
Capacity (Btu/hr)*	43,915	49,959	56,576	63,810	71,707	80,312	89,666	99,811	110,787	123,135	135,952
Evap (Lb/hr)	464	535	614	703	802	912	1035	1172	1324	1493	1680
Cond (Lb/hr)	683	773	871	978	1095	1222	1360	1510	1673	1857	2048
Power (kW)	9.2	9.5	9.7	10	10.2	10.4	10.6	10.8	11	11.2	11.4
Current (Amps)	15.4	15.8	16.2	16.5	16.8	17	17.2	17.3	17.4	17.5	17.5
Efficiency (EER)	4.8	5.3	5.8	6.4	7	7.7	8.4	9.2	10	10.9	11.9
SIT (°F)	-15.3	-11.2	-7	-3	1	5	9	13	17	20	24
80°F Capacity (Btu/hr)*	41,150	47,334	53,825	61,003	68,759	77,139	86,184	95,938	106,441	117,731	129,844
80°F Evap (Lb/hr)	438	510	590	679	777	886	1007	1140	1288	1451	1632
80°F Cond (Lb/hr)	688	786	889	1002	1124	1256	1398	1551	1716	1894	2086
80°F Power (kW)	10.2	10.5	10.7	11	11.3	11.5	11.8	12	12.3	12.5	12.7
80°F Current (Amps)	16.4	17	17.4	17.9	18.2	18.5	18.8	19	19.1	19.2	19.3
80°F Efficiency (EER)	4	4.5	5	5.6	6.1	6.7	7.3	8	8.7	9.4	10.2
80°F SIT (°F)	-13	-8.7	-4	0	4	8	12	16	20	24	28
90°F Capacity (Btu/hr)*	38,100	44,238	50,902	58,017	65,390	73,509	82,212	91,542	101,541	112,249	123,702
90°F Evap (Lb/hr)	408	482	562	650	747	854	971	1101	1244	1401	1575
90°F Cond (Lb/hr)	690	795	909	1029	1153	1289	1436	1592	1760	1941	2134
90°F Power (kW)	11.3	11.5	11.8	12.1	12.4	12.7	13	13.3	13.6	13.9	14.2
90°F Current (Amps)	17.6	18.3	18.9	19.5	19.9	20.3	20.6	20.9	21.2	21.4	21.5
90°F Efficiency (EER)	3.4	3.8	4.3	4.8	5.3	5.8	6.3	6.9	7.5	8.1	8.7
90°F SIT (°F)	-10.8	-6.3	-2	2	7	11	15	19	23	27	31
100°F Capacity (Btu/hr)*	34,642	40,850	47,327	54,311	61,480	69,303	77,629	86,145	95,556	105,593	116,292
100°F Evap (Lb/hr)	373	448	528	615	711	814	928	1053	1190	1342	1508
100°F Cond (Lb/hr)	687	802	921	1049	1179	1321	1472	1624	1794	1976	2170
100°F Power (kW)	12.5	12.8	13	13.4	13.7	14	14.4	14.7	15	15.4	15.7
100°F Current (Amps)	19	19.8	20.5	21.2	21.8	22.3	22.8	23.1	23.5	23.7	24
100°F Efficiency (EER)	2.8	3.2	3.6	4.1	4.5	4.9	5.4	5.9	6.4	6.9	7.4
100°F SIT (°F)	-8.6	-4	1	5	10	14	18	23	27	31	35
110°F Capacity (Btu/hr)*	30,651	36,890	43,319	49,979	56,908	64,400	72,019	80,357	89,203	98,148	108,070
110°F Evap (Lb/hr)	332	407	487	573	665	766	875	995	1126	1270	1428
110°F Cond (Lb/hr)	673	801	931	1064	1200	1348	1497	1660	1833	2007	2202
110°F Power (kW)	13.8	14.1	14.4	14.8	15.1	15.5	15.8	16.2	16.7	17	17.4
110°F Current (Amps)	20.7	21.6	22.5	23.3	24	24.7	25.2	25.7	26.2	26.5	26.8
110°F Efficiency (EER)	2.2	2.6	3	3.4	3.8	4.2	4.5	4.9	5.4	5.8	6.2
110°F SIT (°F)	-6.5	-1.6	3	8	13	17	22	26	30	35	39
120°F Capacity (Btu/hr)*	25,913	32,119	38,433	44,898	51,554	58,677	65,866	73,358	81,557	90,225	98,917
120°F Evap (Lb/hr)	284	358	437	520	610	706	811	924	1048	1184	1333
120°F Cond (Lb/hr)	640	782	924	1067	1211	1366	1520	1679	1854	2040	2225
120°F Power (kW)	15.3	15.6	16	16.3	16.7	17.1	17.5	17.9	18.4	18.9	19.3
120°F Current (Amps)	22.5	23.7	24.7	25.7	26.5	27.4	28.1	28.6	29.3	29.8	30.2
120°F Efficiency (EER)	1.7	2.1	2.4	2.8	3.1	3.4	3.8	4.1	4.4	4.8	5.1
120°F SIT (°F)	-4.4	0.7	6	11	16	20	25	30	34	38	43
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 2
70°F to 120°F SCT, 0°F to 40°F SST see page 3
120°F to 130°F SCT, 0°F to 40°F SST see page 4

-1-

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
 575-3-60 multiply by .8

Rating Information: 65°F Return Gas
 Liquid Subcooled to 10°F above SIT
 Horsepower 15
 Displacement 33 CFM @ 60 Hz

SCT

120°F

SST (°F)	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
Capacity (Btu/hr)*	25,913	32,119	38,433	44,898	51,554	58,677	65,866	73,358	81,557	90,225	98,917
Evap (Lb/hr)	284	358	437	520	610	706	811	924	1048	1184	1333
Cond (Lb/hr)	640	782	924	1067	1211	1366	1520	1679	1854	2040	2225
Power (kW)	15.3	15.6	16	16.3	16.7	17.1	17.5	17.9	18.4	18.9	19.3
Current (Amps)	22.5	23.7	24.7	25.7	26.5	27.4	28.1	28.6	29.3	29.8	30.2
Efficiency (EER)	1.7	2.1	2.4	2.8	3.1	3.4	3.8	4.1	4.4	4.8	5.1
SIT (°F)	-4.4	0.7	6	11	16	20	25	30	34	38	43

130°F

Capacity (Btu/hr)*	20,491	26,648	32,835	38,946	45,290	51,787	58,730	65,686	72,905	80,815	88,707
Evap (Lb/hr)	226	299	376	456	542	634	732	839	954	1081	1220
Cond (Lb/hr)	581	743	900	1051	1206	1362	1528	1692	1861	2048	2233
Power (kW)	17	17.3	17.7	18	18.4	18.9	19.4	19.9	20.3	20.9	21.4
Current (Amps)	24.8	26.2	27.4	28.5	29.5	30.4	31.4	32.1	32.8	33.5	34
Efficiency (EER)	1.2	1.5	1.9	2.2	2.5	2.7	3	3.3	3.6	3.9	4.2
SIT (°F)	-2.2	3.2	8	14	19	24	28	33	38	42	47
SST (°F)	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0

70°F to 120°F SCT, -50°F to 0°F SST see page 1

70°F to 120°F SCT, 0°F to 40°F SST see page 3

120°F to 130°F SCT, 0°F to 40°F SST see page 4

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 20
Displacement 33 CFM @ 60 Hz

SCT
70°F

SST (°F)	0	5	10	15	20	25	30	35	40
Capacity (Btu/hr)*	135,952	149,712	165,187	181,016	197,872	216,854	235,949	257,490	280,445
Evap (Lb/hr)	1680	1887	2115	2369	2648	2957	3298	3674	4090
Cond (Lb/hr)	2048	2253	2487	2727	2984	3278	3576	3918	4287
Power (kW)	11.4	10.7	10.7	10.7	10.6	10.6	10.5	10.5	10.4
Current (Amps)	17.5	17.5	17.5	17.4	17.3	17.3	17.2	17.2	17.2
Efficiency (EER)	11.9	14	15.4	16.9	18.6	20.4	22.5	24.6	27
SIT (°F)	24	28	31	35	39	42	46	49	52
80°F									
Capacity (Btu/hr)*	129,844	143,457	157,398	172,258	188,998	205,877	224,931	243,922	265,422
Evap (Lb/hr)	1632	1832	2053	2297	2567	2865	3194	3557	3959
Cond (Lb/hr)	2086	2303	2526	2765	3038	3315	3632	3952	4320
Power (kW)	12.7	12.3	12.3	12.3	12.3	12.3	12.3	12.2	12.1
Current (Amps)	19.3	19.4	19.4	19.4	19.4	19.4	19.4	19.3	19.3
Efficiency (EER)	10.2	11.6	12.8	14	15.3	16.8	18.3	20	21.9
SIT (°F)	28	31	35	39	42	46	49	53	56
90°F									
Capacity (Btu/hr)*	123,702	135,934	148,976	162,855	178,508	194,237	212,029	229,698	249,756
Evap (Lb/hr)	1575	1768	1980	2215	2474	2760	3076	3426	3813
Cond (Lb/hr)	2134	2342	2564	2803	3075	3351	3668	3987	4355
Power (kW)	14.2	14.1	14.1	14.1	14.2	14.2	14.2	14.1	14.1
Current (Amps)	21.5	21.6	21.7	21.7	21.8	21.8	21.8	21.7	21.8
Efficiency (EER)	8.7	9.6	10.5	11.5	12.6	13.7	14.9	16.3	17.7
SIT (°F)	31	35	39	43	46	50	53	57	60
100°F									
Capacity (Btu/hr)*	116,292	127,690	139,817	152,700	167,254	181,829	197,222	214,716	231,905
Evap (Lb/hr)	1508	1692	1895	2119	2367	2640	2943	3278	3650
Cond (Lb/hr)	2170	2378	2600	2839	3111	3386	3681	4021	4362
Power (kW)	15.7	16.1	16.2	16.2	16.3	16.3	16.3	16.3	16.3
Current (Amps)	24	24.2	24.3	24.4	24.6	24.6	24.6	24.7	24.6
Efficiency (EER)	7.4	7.9	8.6	9.4	10.3	11.2	12.1	13.2	14.3
SIT (°F)	35	39	43	47	50	54	58	61	65
110°F									
Capacity (Btu/hr)*	108,070	118,612	129,806	141,682	154,264	168,538	182,705	197,625	214,684
Evap (Lb/hr)	1428	1603	1795	2008	2243	2503	2791	3111	3466
Cond (Lb/hr)	2202	2410	2632	2870	3124	3417	3711	4026	4393
Power (kW)	17.4	18.4	18.5	18.5	18.6	18.7	18.8	18.7	18.8
Current (Amps)	26.8	27.1	27.4	27.5	27.7	27.9	28	28	28.1
Efficiency (EER)	6.2	6.5	7	7.6	8.3	9	9.7	10.5	11.4
SIT (°F)	39	43	47	51	55	58	62	66	69
120°F									
Capacity (Btu/hr)*	98,917	108,580	118,822	129,675	141,165	153,313	166,135	180,813	195,141
Evap (Lb/hr)	1,333	1497	1678	1878	2100	2345	2617	2920	3257
Cond (Lb/hr)	2,225	2433	2655	2892	3146	3418	3710	4049	4388
Power (kW)	19.3	21	21.1	21.2	21.4	21.4	21.5	21.7	21.7
Current (Amps)	30.2	30.6	30.9	31.2	31.5	31.6	31.8	32.1	32.1
Efficiency (EER)	5.1	5.2	5.6	6.1	6.6	7.2	7.7	8.3	9
SIT (°F)	43	47	51	55	59	63	67	70	74
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 1
120°F to 130°F SCT, -50°F to 0°F SST see page 2
120°F to 130°F SCT, 0°F to 40°F SST see page 4

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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 20
 Displacement 33 CFM @ 60 Hz

SCT
120°F

SST (°F)	0	5	10	15	20	25	30	35	40
Capacity (Btu/hr)*	98,917	108,580	118,822	129,675	141,165	153,313	166,135	180,813	195,141
Evap (Lb/hr)	1,333	1497	1678	1878	2100	2345	2617	2920	3257
Cond (Lb/hr)	2,225	2433	2655	2892	3146	3418	3710	4049	4388
Power (kW)	19.3	21	21.1	21.2	21.4	21.4	21.5	21.7	21.7
Current (Amps)	30.2	30.6	30.9	31.2	31.5	31.6	31.8	32.1	32.1
Efficiency (EER)	5.1	5.2	5.6	6.1	6.6	7.2	7.7	8.3	9
SIT (°F)	43	47	51	55	59	63	67	70	74

130°F

Capacity (Btu/hr)*	88,707	97,464	106,140	115,868	126,159	137,037	148,520	160,617	174,580
Evap (Lb/hr)	1,220	1372	1540	1726	1933	2161	2416	2700	3017
Cond (Lb/hr)	2,233	2441	2647	2882	3133	3403	3692	4003	4368
Power (kW)	21.4	23.9	24	24.2	24.4	24.5	24.6	24.7	25
Current (Amps)	34	34.6	34.9	35.3	35.7	36	36.2	36.4	36.8
Efficiency (EER)	4.2	4.1	4.4	4.8	5.2	5.6	6	6.5	7
SIT (°F)	47	51	56	60	64	68	72	76	79
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 1
 120°F to 130°F SCT, -50°F to 0°F SST see page 2
 70°F to 120°F SCT, 0°F to 40°F SST see page 3

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 20
 Displacement 39 CFM @ 60 Hz

SCT
70°F

SST (°F)	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
Capacity (Btu/hr)*	53,137	60,167	67,901	76,360	85,868	96,227	107,465	119,604	132,667	147,286	163,039
Evap (Lb/hr)	560	644	740	847	967	1101	1250	1416	1598	1800	2023
Cond (Lb/hr)	827	931	1044	1168	1308	1461	1626	1806	1999	2217	2453
Power (kW)	11.4	11.7	12	12.3	12.6	12.8	13.1	13.3	13.5	13.8	14
Current (Amps)	18.8	19.4	19.9	20.4	20.8	21.1	21.4	21.6	21.7	21.8	21.9
Efficiency (EER)	4.7	5.2	5.7	6.2	6.8	7.5	8.2	9	9.8	10.7	11.6
SIT (°F)	-16.1	-10.8	-6	-1	3	7	11	15	19	22	25

80°F

Capacity (Btu/hr)*	50,181	57,163	64,906	73,535	82,594	92,669	103,532	115,210	128,261	141,729	156,104
Evap (Lb/hr)	532	618	714	822	941	1072	1219	1380	1558	1754	1971
Cond (Lb/hr)	840	949	1070	1206	1347	1505	1675	1859	2065	2278	2505
Power (kW)	12.6	12.9	13.2	13.5	13.8	14.1	14.5	14.7	15.1	15.3	15.5
Current (Amps)	20.2	20.9	21.5	22.1	22.6	23	23.3	23.6	23.9	24	24
Efficiency (EER)	4	4.4	4.9	5.4	6	6.6	7.2	7.8	8.5	9.3	10
SIT (°F)	-13.5	-8.3	-3	1	6	10	14	18	21	25	29

90°F

Capacity (Btu/hr)*	46,744	53,963	61,684	70,183	79,021	88,772	99,217	110,388	122,317	135,629	149,259
Evap (Lb/hr)	502	589	686	792	910	1039	1182	1338	1511	1701	1910
Cond (Lb/hr)	846	968	1098	1241	1389	1553	1728	1916	2116	2342	2573
Power (kW)	13.9	14.2	14.5	14.9	15.2	15.6	15.9	16.3	16.6	17	17.3
Current (Amps)	21.8	22.7	23.4	24.1	24.6	25.1	25.6	25.9	26.2	26.5	26.6
Efficiency (EER)	3.4	3.8	4.2	4.7	5.2	5.7	6.2	6.8	7.4	8	8.6
SIT (°F)	-10.3	-5.2	0	4	9	13	17	21	25	28	32

100°F

Capacity (Btu/hr)*	43,117	50,380	58,043	66,130	74,950	84,332	94,309	104,918	116,194	128,751	141,557
Evap (Lb/hr)	467	556	652	758	873	999	1137	1288	1454	1636	1836
Cond (Lb/hr)	851	985	1125	1272	1432	1602	1783	1975	2179	2408	2641
Power (kW)	15.4	15.7	16.1	16.4	16.8	17.2	17.6	18	18.4	18.8	19.2
Current (Amps)	23.8	24.8	25.6	26.3	27	27.6	28.2	28.6	29	29.4	29.6
Efficiency (EER)	2.8	3.2	3.6	4	4.5	4.9	5.4	5.8	6.3	6.8	7.4
SIT (°F)	-6.6	-1.7	3	8	12	16	20	24	28	31	35

110°F

Capacity (Btu/hr)*	38,824	46,066	53,598	61,680	70,184	79,145	88,600	98,585	109,141	120,861	132,758
Evap (Lb/hr)	427	515	611	715	827	949	1081	1226	1384	1557	1746
Cond (Lb/hr)	844	991	1142	1304	1472	1650	1836	2032	2240	2472	2707
Power (kW)	17	17.3	17.7	18.1	18.6	19	19.5	19.9	20.3	20.9	21.3
Current (Amps)	26.1	27.2	28.1	29	29.9	30.6	31.2	31.8	32.2	32.8	33.1
Efficiency (EER)	2.3	2.7	3	3.4	3.8	4.2	4.6	5	5.4	5.8	6.2
SIT (°F)	-2.6	2.2	7	11	15	19	23	27	31	34	38

120°F

Capacity (Btu/hr)*	33,717	41,020	48,383	56,170	64,267	72,709	81,883	91,181	100,945	111,742	122,643
Evap (Lb/hr)	377	466	560	661	769	886	1012	1149	1297	1459	1637
Cond (Lb/hr)	818	984	1148	1321	1499	1683	1884	2085	2296	2531	2767
Power (kW)	18.7	19.2	19.6	20	20.5	21	21.5	22	22.5	23.1	23.6
Current (Amps)	28.7	30	31	32.1	33	33.9	34.7	35.4	36	36.6	37
Efficiency (EER)	1.8	2.1	2.5	2.8	3.1	3.5	3.8	4.1	4.5	4.8	5.2
SIT (°F)	1.8	6.3	11	15	19	23	26	30	34	37	41
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 6

70°F to 120°F SCT, 0°F to 40°F SST see page 7

120°F to 130°F SCT, 0°F to 40°F SST see page 8

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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 20
Displacement 39 CFM @ 60 Hz

SCT
120°F

SST (°F)	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
Capacity (Btu/hr)*	33,717	41,020	48,383	56,170	64,267	72,709	81,883	91,181	100,945	111,742	122,643
Evap (Lb/hr)	377	466	560	661	769	886	1012	1149	1297	1459	1637
Cond (Lb/hr)	818	984	1148	1321	1499	1683	1884	2085	2296	2531	2767
Power (kW)	18.7	19.2	19.6	20	20.5	21	21.5	22	22.5	23.1	23.6
Current (Amps)	28.7	30	31	32.1	33	33.9	34.7	35.4	36	36.6	37
Efficiency (EER)	1.8	2.1	2.5	2.8	3.1	3.5	3.8	4.1	4.5	4.8	5.2
SIT (°F)	1.8	6.3	11	15	19	23	26	30	34	37	41

130°F

SST (°F)	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
Capacity (Btu/hr)*	27,874	35,065	42,385	49,867	57,547	65,460	73,969	82,514	91,841	101,203	111,572
Evap (Lb/hr)	316	404	496	594	697	808	926	1053	1191	1341	1503
Cond (Lb/hr)	768	954	1140	1328	1518	1712	1920	2127	2353	2579	2830
Power (kW)	20.8	21.3	21.7	22.2	22.7	23.2	23.8	24.3	25	25.5	26.2
Current (Amps)	31.8	33.3	34.6	35.7	36.8	37.7	38.8	39.5	40.4	41	41.7
Efficiency (EER)	1.3	1.6	2	2.2	2.5	2.8	3.1	3.4	3.7	4	4.3
SIT (°F)	6.2	10.4	14	18	22	26	29	33	36	40	43
SST (°F)	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0

70°F to 120°F SCT, -50°F to 0°F SST see page 5
70°F to 120°F SCT, 0°F to 40°F SST see page 7
120°F to 130°F SCT, 0°F to 40°F SST see page 8

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
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
70°F

SST (°F)	0	5	10	15	20	25	30	35	40
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

80°F

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

90°F

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

100°F

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

110°F

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

120°F

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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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 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
 70°F to 120°F SCT, 0°F to 40°F SST see page 7

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 20
Displacement 44 CFM @ 60 Hz

SCT
70°F

	SST (°F)	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
Capacity (Btu/hr)*		60,350	67,913	76,393	85,830	96,260	107,716	120,232	134,361	149,158	165,101	182,990
Evap (Lb/hr)		642	732	835	952	1084	1233	1399	1584	1790	2018	2270
Cond (Lb/hr)		936	1048	1173	1313	1467	1636	1820	2030	2249	2485	2753
Power (kW)		13.1	13.3	13.6	13.9	14.2	14.4	14.7	15.1	15.3	15.6	15.9
Current (Amps)		20.2	21	21.7	22.2	22.7	23.1	23.4	23.7	23.8	23.9	24
Efficiency (EER)		4.6	5.1	5.6	6.2	6.8	7.5	8.2	8.9	9.7	10.6	11.5
SIT (°F)		-13.1	-9.1	-5	-1	3	7	11	14	18	22	25
80°F												
Capacity (Btu/hr)*		57,048	64,812	73,139	82,529	92,806	104,005	116,163	129,829	144,072	159,371	175,748
Evap (Lb/hr)		610	703	808	925	1057	1204	1367	1549	1750	1973	2219
Cond (Lb/hr)		950	1073	1204	1352	1513	1689	1880	2096	2320	2561	2820
Power (kW)		14.5	14.7	15	15.3	15.6	16	16.3	16.7	17	17.3	17.6
Current (Amps)		21.8	22.7	23.4	24.1	24.7	25.2	25.6	26	26.2	26.4	26.5
Efficiency (EER)		3.9	4.4	4.9	5.4	5.9	6.5	7.1	7.8	8.5	9.2	10
SIT (°F)		-10.6	-6.5	-2	2	6	10	14	17	21	25	29
90°F												
Capacity (Btu/hr)*		53,423	61,309	69,899	78,949	89,023	99,916	111,663	124,301	137,861	152,373	168,625
Evap (Lb/hr)		577	672	777	895	1025	1170	1330	1507	1703	1919	2157
Cond (Lb/hr)		962	1097	1243	1395	1565	1748	1945	2157	2385	2629	2905
Power (kW)		15.9	16.2	16.6	16.9	17.2	17.6	18	18.4	18.8	19.1	19.6
Current (Amps)		23.8	24.8	25.7	26.4	27.1	27.7	28.2	28.6	28.9	29.2	29.6
Efficiency (EER)		3.4	3.8	4.2	4.7	5.2	5.7	6.2	6.8	7.3	8	8.6
SIT (°F)		-7.9	-3.7	0	5	9	13	17	21	25	29	32
100°F												
Capacity (Btu/hr)*		49,465	57,232	65,756	74,913	84,743	95,287	106,583	118,667	131,576	145,342	159,994
Evap (Lb/hr)		540	636	742	858	987	1129	1285	1457	1646	1855	2085
Cond (Lb/hr)		972	1115	1272	1440	1619	1810	2014	2233	2466	2715	2981
Power (kW)		17.6	17.8	18.2	18.6	19	19.5	19.9	20.4	20.8	21.3	21.7
Current (Amps)		26.2	27.2	28.3	29.2	30	30.7	31.3	31.8	32.3	32.7	33
Efficiency (EER)		2.8	3.2	3.6	4	4.5	4.9	5.3	5.8	6.3	6.8	7.4
SIT (°F)		-4.6	-0.4	4	8	12	16	20	24	28	32	36
110°F												
Capacity (Btu/hr)*		44,808	52,597	61,020	69,965	79,472	89,583	100,337	111,772	123,926	136,833	150,526
Evap (Lb/hr)		496	593	698	814	940	1078	1230	1396	1578	1779	1999
Cond (Lb/hr)		970	1128	1297	1476	1665	1864	2076	2300	2538	2791	3060
Power (kW)		19.4	19.7	20.1	20.5	21	21.5	22	22.6	23.1	23.6	24.1
Current (Amps)		29.1	30.2	31.4	32.4	33.4	34.2	34.9	35.6	36.2	36.6	37.1
Efficiency (EER)		2.3	2.7	3	3.4	3.8	4.2	4.6	5	5.4	5.8	6.2
SIT (°F)		-0.6	3.5	8	12	16	20	24	28	32	36	40
120°F												
Capacity (Btu/hr)*		39,266	47,192	55,486	63,940	73,054	82,658	92,793	103,496	114,806	126,760	139,390
Evap (Lb/hr)		442	540	645	758	882	1016	1162	1321	1496	1687	1897
Cond (Lb/hr)		947	1126	1311	1497	1696	1904	2123	2353	2595	2852	3123
Power (kW)		21.4	21.8	22.3	22.7	23.2	23.8	24.4	25	25.6	26.2	26.8
Current (Amps)		32.5	33.9	35.2	36.2	37.3	38.3	39.1	39.9	40.6	41.2	41.7
Efficiency (EER)		1.8	2.2	2.5	2.8	3.1	3.5	3.8	4.1	4.5	4.8	5.2
SIT (°F)		4.1	8.3	12	17	21	25	29	33	37	41	45
	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 10
70°F to 120°F SCT, 0°F to 40°F SST see page 11
120°F to 130°F SCT, 0°F to 40°F SST see page 12

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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 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 20
Displacement 44 CFM @ 60 Hz

SCT

120°F

SST (°F)	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
Capacity (Btu/hr)*	39,266	47,192	55,486	63,940	73,054	82,658	92,793	103,496	114,806	126,760	139,390
Evap (Lb/hr)	442	540	645	758	882	1016	1162	1321	1496	1687	1897
Cond (Lb/hr)	947	1126	1311	1497	1696	1904	2123	2353	2595	2852	3123
Power (kW)	21.4	21.8	22.3	22.7	23.2	23.8	24.4	25	25.6	26.2	26.8
Current (Amps)	32.5	33.9	35.2	36.2	37.3	38.3	39.1	39.9	40.6	41.2	41.7
Efficiency (EER)	1.8	2.2	2.5	2.8	3.1	3.5	3.8	4.1	4.5	4.8	5.2
SIT (°F)	4.1	8.3	12	17	21	25	29	33	37	41	45

130°F

Capacity (Btu/hr)*	32,645	40,464	48,537	56,904	65,609	74,364	83,812	93,714	104,108	115,030	126,515
Evap (Lb/hr)	376	473	577	689	808	938	1078	1230	1396	1577	1776
Cond (Lb/hr)	889	1089	1291	1498	1711	1921	2147	2383	2630	2889	3163
Power (kW)	23.6	24.1	24.7	25.2	25.8	26.4	27	27.7	28.4	29.1	29.8
Current (Amps)	36.6	38.1	39.6	40.9	42.1	43	44	44.9	45.7	46.4	47
Efficiency (EER)	1.4	1.7	2	2.3	2.5	2.8	3.1	3.4	3.7	4	4.2
SIT (°F)	10	14.1	18	22	26	31	35	39	43	47	51
SST (°F)	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0

70°F to 120°F SCT, -50°F to 0°F SST see page 9
70°F to 120°F SCT, 0°F to 40°F SST see page 11
120°F to 130°F SCT, 0°F to 40°F SST see page 12

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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 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 30
Displacement 44 CFM @ 60 Hz

SCT
70°F

SST (°F)	0	5	10	15	20	25	30	35	40	
Capacity (Btu/hr)*	182,990	201,382	220,968	242,891	266,293	289,751	316,010	343,793	373,104	
Evap (Lb/hr)	2270	2549	2856	3193	3564	3971	4417	4906	5441	
Cond (Lb/hr)	2753	3028	3323	3656	4015	4378	4789	5230	5703	
Power (kW)	15.9	14.8	14.8	14.8	14.7	14.6	14.5	14.4	14.3	
Current (Amps)	24	24	23.9	23.9	23.9	23.7	23.6	23.5	23.4	
Efficiency (EER)	11.5	13.6	15	16.5	18.1	19.8	21.7	23.8	26.1	
SIT (°F)	25	29	33	36	39	43	46	49	52	
80°F	Capacity (Btu/hr)*	175,748	193,220	212,799	232,625	254,853	277,081	302,038	326,651	354,354
Evap (Lb/hr)	2219	2490	2788	3117	3478	3875	4311	4790	5316	
Cond (Lb/hr)	2820	3097	3412	3731	4093	4459	4874	5290	5766	
Power (kW)	17.6	16.9	17	16.9	17	16.9	16.9	16.7	16.6	
Current (Amps)	26.5	26.6	26.7	26.7	26.7	26.6	26.6	26.5	26.4	
Efficiency (EER)	10	11.4	12.5	13.7	15	16.4	17.9	19.6	21.3	
SIT (°F)	29	33	36	40	43	47	50	54	57	
90°F	Capacity (Btu/hr)*	168,625	185,220	202,844	221,509	242,475	263,387	286,939	310,114	336,307
Evap (Lb/hr)	2157	2420	2709	3027	3378	3763	4186	4652	5165	
Cond (Lb/hr)	2905	3187	3488	3809	4174	4541	4961	5380	5862	
Power (kW)	19.6	19.3	19.4	19.4	19.5	19.4	19.4	19.3	19.3	
Current (Amps)	29.6	29.7	29.8	29.8	30	30	30.1	30	30.1	
Efficiency (EER)	8.6	9.6	10.5	11.4	12.5	13.6	14.8	16	17.4	
SIT (°F)	32	36	40	44	47	51	54	58	61	
100°F	Capacity (Btu/hr)*	159,994	175,560	192,061	209,513	229,157	248,693	269,203	292,432	315,047
Evap (Lb/hr)	2085	2338	2616	2923	3260	3632	4041	4492	4989	
Cond (Lb/hr)	2981	3265	3568	3891	4259	4628	5021	5474	5923	
Power (kW)	21.7	22	22.1	22.1	22.3	22.3	22.3	22.3	22.2	
Current (Amps)	33	33.2	33.4	33.6	33.8	33.9	33.9	34.1	34.1	
Efficiency (EER)	7.4	8	8.7	9.5	10.3	11.2	12.1	13.1	14.2	
SIT (°F)	36	40	44	48	51	55	59	62	66	
110°F	Capacity (Btu/hr)*	150,526	165,033	180,381	196,591	213,677	232,998	252,027	271,949	294,674
Evap (Lb/hr)	1999	2241	2508	2801	3124	3481	3874	4308	4788	
Cond (Lb/hr)	3060	3347	3652	3977	4323	4719	5115	5537	6026	
Power (kW)	24.1	25.1	25.2	25.3	25.4	25.6	25.6	25.6	25.7	
Current (Amps)	37.1	37.4	37.7	38	38.1	38.5	38.6	38.7	39	
Efficiency (EER)	6.2	6.6	7.2	7.8	8.4	9.1	9.8	10.6	11.5	
SIT (°F)	40	44	48	52	56	59	63	67	70	
120°F	Capacity (Btu/hr)*	139,390	152,728	166,802	181,636	197,249	214,959	232,327	250,505	271,351
Evap (Lb/hr)	1897	2128	2381	2660	2968	3308	3683	4099	4559	
Cond (Lb/hr)	3123	3411	3717	4042	4388	4786	5182	5604	6097	
Power (kW)	26.8	28.6	28.7	28.9	29	29.3	29.3	29.4	29.6	
Current (Amps)	41.7	42.2	42.6	42.9	43.2	43.7	43.9	44.1	44.5	
Efficiency (EER)	5.2	5.3	5.8	6.3	6.8	7.3	7.9	8.5	9.2	
SIT (°F)	45	49	53	57	61	64	68	72	75	
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 9
120°F to 130°F SCT, -50°F to 0°F SST see page 10
120°F to 130°F SCT, 0°F to 40°F SST see page 12

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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 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 30
 Displacement 44 CFM @ 60 Hz

SCT
120°F

SST (°F)	0	5	10	15	20	25	30	35	40
Capacity (Btu/hr)*	139,390	152,728	166,802	181,636	197,249	214,959	232,327	250,505	271,351
Evap (Lb/hr)	1897	2128	2381	2660	2968	3308	3683	4099	4559
Cond (Lb/hr)	3123	3411	3717	4042	4388	4786	5182	5604	6097
Power (kW)	26.8	28.6	28.7	28.9	29	29.3	29.3	29.4	29.6
Current (Amps)	41.7	42.2	42.6	42.9	43.2	43.7	43.9	44.1	44.5
Efficiency (EER)	5.2	5.3	5.8	6.3	6.8	7.3	7.9	8.5	9.2
SIT (°F)	45	49	53	57	61	64	68	72	75

130°F

Capacity (Btu/hr)*	126,515	138,595	151,299	165,632	179,786	194,641	210,208	226,487	245,271
Evap (Lb/hr)	1776	1994	2233	2497	2788	3109	3466	3861	4301
Cond (Lb/hr)	3163	3451	3757	4105	4452	4822	5216	5636	6130
Power (kW)	29.8	32.4	32.6	33	33.2	33.4	33.5	33.6	33.9
Current (Amps)	47	47.6	48.1	48.8	49.2	49.6	49.9	50.1	50.7
Efficiency (EER)	4.2	4.3	4.6	5	5.4	5.8	6.3	6.7	7.2
SIT (°F)	51	55	59	62	66	70	74	78	81
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 9
 120°F to 130°F SCT, -50°F to 0°F SST see page 10
 70°F to 120°F SCT, 0°F to 40°F SST see page 11

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
575-3-60 multiply by .8

Rating Information: 65°F Return Gas
Liquid Subcooled to 10°F above SIT
Horsepower 25
Displacement 48 CFM @ 60 Hz

SCT
70°F

SST (°F)	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	
70°F	Capacity (Btu/hr)*	66,409	74,730	84,068	94,460	105,944	118,555	132,325	147,285	164,119	181,623	200,387
	Evap (Lb/hr)	706	805	919	1048	1193	1357	1540	1743	1969	2220	2497
	Cond (Lb/hr)	1029	1152	1291	1444	1614	1800	2003	2224	2474	2734	3013
	Power (kW)	14.1	14.4	14.7	15	15.3	15.7	16	16.3	16.6	16.9	17.1
	Current (Amps)	22.6	23.3	24	24.5	24.9	25.3	25.6	25.8	26.1	26.2	26.2
	Efficiency (EER)	4.7	5.2	5.7	6.3	6.9	7.6	8.3	9.1	9.9	10.8	11.7
	SIT (°F)	-12.7	-8.7	-5	-1	3	7	11	15	18	22	26
80°F	Capacity (Btu/hr)*	62,903	71,395	80,789	91,125	102,442	114,777	128,167	142,645	158,893	175,723	193,726
	Evap (Lb/hr)	675	777	892	1022	1167	1328	1508	1708	1930	2175	2446
	Cond (Lb/hr)	1046	1181	1329	1492	1670	1864	2074	2301	2558	2823	3108
	Power (kW)	15.6	15.9	16.2	16.6	16.9	17.3	17.6	18	18.4	18.7	19.1
	Current (Amps)	24.2	25	25.8	26.4	26.9	27.4	27.8	28.1	28.5	28.7	28.8
	Efficiency (EER)	4	4.5	5	5.5	6.1	6.6	7.3	7.9	8.6	9.4	10.2
	SIT (°F)	-10.1	-6.1	-2	2	6	10	14	18	21	25	29
90°F	Capacity (Btu/hr)*	59,228	67,845	77,249	87,482	98,585	110,598	123,558	137,502	152,462	168,467	185,544
	Evap (Lb/hr)	642	746	862	991	1135	1295	1471	1667	1883	2122	2385
	Cond (Lb/hr)	1065	1212	1372	1545	1732	1934	2152	2386	2637	2907	3195
	Power (kW)	17.2	17.5	17.9	18.3	18.7	19.1	19.5	19.9	20.3	20.7	21.1
	Current (Amps)	26.1	27	27.9	28.7	29.3	29.9	30.4	30.8	31.2	31.5	31.7
	Efficiency (EER)	3.5	3.9	4.3	4.8	5.3	5.8	6.3	6.9	7.5	8.1	8.8
	SIT (°F)	-7.2	-3.2	1	5	9	13	17	21	25	29	33
100°F	Capacity (Btu/hr)*	55,195	63,898	73,274	83,367	94,219	105,871	118,364	131,734	146,019	161,252	177,463
	Evap (Lb/hr)	604	710	826	955	1097	1254	1427	1617	1827	2058	2312
	Cond (Lb/hr)	1083	1244	1417	1601	1799	2010	2236	2478	2736	3012	3307
	Power (kW)	18.9	19.3	19.7	20.1	20.6	21.1	21.6	22	22.5	23	23.5
	Current (Amps)	28.5	29.6	30.6	31.4	32.3	33	33.6	34.1	34.6	35	35.4
	Efficiency (EER)	2.9	3.3	3.7	4.1	4.6	5	5.5	6	6.5	7	7.6
	SIT (°F)	-3.8	0.3	4	8	12	16	20	24	28	32	36
110°F	Capacity (Btu/hr)*	50,428	59,150	68,428	78,307	88,478	99,627	111,496	124,123	137,546	151,800	167,726
	Evap (Lb/hr)	560	667	783	911	1051	1204	1372	1557	1760	1982	2227
	Cond (Lb/hr)	1089	1266	1453	1650	1851	2071	2304	2552	2815	3094	3410
	Power (kW)	20.9	21.3	21.8	22.3	22.7	23.2	23.8	24.3	24.9	25.4	26.1
	Current (Amps)	31.4	32.6	33.8	34.8	35.6	36.5	37.2	37.9	38.5	39	39.7
	Efficiency (EER)	2.4	2.8	3.1	3.5	3.9	4.3	4.7	5.1	5.5	6	6.4
	SIT (°F)	0.4	4.4	8	12	17	21	25	29	33	37	40
120°F	Capacity (Btu/hr)*	44,749	53,431	62,549	72,146	82,267	92,953	104,247	116,189	128,818	142,173	156,286
	Evap (Lb/hr)	506	613	729	856	993	1142	1305	1483	1678	1892	2127
	Cond (Lb/hr)	1075	1271	1475	1686	1907	2139	2383	2640	2911	3197	3501
	Power (kW)	23.1	23.6	24.1	24.7	25.3	25.9	26.5	27.1	27.8	28.4	29.1
	Current (Amps)	35	36.4	37.7	38.9	40	41	41.9	42.8	43.5	44.2	44.8
	Efficiency (EER)	1.9	2.3	2.6	2.9	3.3	3.6	3.9	4.3	4.6	5	5.4
	SIT (°F)	5.4	9.4	13	17	21	25	29	33	37	41	45
	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 14
70°F to 120°F SCT, 0°F to 40°F SST see page 15
120°F to 130°F SCT, 0°F to 40°F SST see page 16

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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 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 48 CFM @ 60 Hz

SCT
 120°F

SST (°F)	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
Capacity (Btu/hr)*	44,749	53,431	62,549	72,146	82,267	92,953	104,247	116,189	128,818	142,173	156,286
Evap (Lb/hr)	506	613	729	856	993	1142	1305	1483	1678	1892	2127
Cond (Lb/hr)	1075	1271	1475	1686	1907	2139	2383	2640	2911	3197	3501
Power (kW)	23.1	23.6	24.1	24.7	25.3	25.9	26.5	27.1	27.8	28.4	29.1
Current (Amps)	35	36.4	37.7	38.9	40	41	41.9	42.8	43.5	44.2	44.8
Efficiency (EER)	1.9	2.3	2.6	2.9	3.3	3.6	3.9	4.3	4.6	5	5.4
SIT (°F)	5.4	9.4	13	17	21	25	29	33	37	41	45

130°F

SST (°F)	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
Capacity (Btu/hr)*	37,831	46,564	55,467	64,727	74,388	84,492	95,081	106,197	117,879	130,164	143,089
Evap (Lb/hr)	439	547	662	786	920	1065	1223	1394	1581	1785	2009
Cond (Lb/hr)	1024	1248	1471	1699	1935	2179	2433	2698	2976	3268	3576
Power (kW)	25.6	26.2	26.8	27.4	28.1	28.8	29.5	30.2	31	31.7	32.5
Current (Amps)	39.2	41	42.5	43.8	45.1	46.3	47.3	48.3	49.2	50	50.8
Efficiency (EER)	1.5	1.8	2.1	2.4	2.6	2.9	3.2	3.5	3.8	4.1	4.4
SIT (°F)	11.6	15.5	19	23	27	31	35	39	43	47	51

70°F to 120°F SCT, -50°F to 0°F SST see page 13
 70°F to 120°F SCT, 0°F to 40°F SST see page 15
 120°F to 130°F SCT, 0°F to 40°F SST see page 16

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 30
Displacement 48 CFM @ 60 Hz

SCT
70°F

SST (°F)	0	5	10	15	20	25	30	35	40
Capacity (Btu/hr)*	200,387	221,400	242,838	266,809	290,947	317,928	346,508	376,688	408,455
Evap (Lb/hr)	2497	2802	3138	3508	3913	4357	4843	5375	5957
Cond (Lb/hr)	3013	3329	3652	4016	4386	4804	5251	5731	6243
Power (kW)	17.1	15.9	15.9	15.9	15.8	15.8	15.7	15.6	15.5
Current (Amps)	26.2	26.3	26.2	26.3	26.1	26.1	26	25.9	25.8
Efficiency (EER)	11.7	13.9	15.3	16.7	18.4	20.1	22	24.1	26.4
SIT (°F)	26	29	33	36	40	43	46	49	52

80°F

Capacity (Btu/hr)*	193,726	212,919	234,409	256,145	279,085	304,797	332,057	358,878	389,025
Evap (Lb/hr)	2446	2744	3072	3432	3828	4263	4740	5263	5836
Cond (Lb/hr)	3108	3413	3758	4108	4481	4904	5359	5812	6330
Power (kW)	19.1	18.2	18.3	18.3	18.2	18.2	18.2	18	17.9
Current (Amps)	28.8	28.9	29	29	28.9	28.9	29	28.8	28.7
Efficiency (EER)	10.2	11.7	12.8	14	15.3	16.7	18.3	19.9	21.7
SIT (°F)	29	33	36	40	44	47	50	54	57

90°F

Capacity (Btu/hr)*	185,544	204,670	224,074	244,606	267,654	290,609	316,437	341,801	370,432
Evap (Lb/hr)	2385	2674	2993	3343	3728	4152	4617	5128	5689
Cond (Lb/hr)	3195	3521	3853	4206	4607	5011	5471	5930	6457
Power (kW)	21.1	20.8	20.9	20.9	21	20.9	20.9	20.8	20.8
Current (Amps)	31.7	32	32.1	32.2	32.4	32.3	32.4	32.3	32.4
Efficiency (EER)	8.8	9.8	10.7	11.7	12.8	13.9	15.1	16.4	17.8
SIT (°F)	33	36	40	44	47	51	54	58	61

100°F

Capacity (Btu/hr)*	177,463	194,677	212,916	232,193	253,878	275,418	298,005	323,563	348,394
Evap (Lb/hr)	2312	2592	2900	3239	3612	4022	4473	4970	5518
Cond (Lb/hr)	3307	3621	3955	4312	4718	5125	5558	6056	6550
Power (kW)	23.5	23.7	23.8	23.8	24	24	24	24	23.9
Current (Amps)	35.4	35.6	35.9	36	36.3	36.4	36.4	36.6	36.5
Efficiency (EER)	7.6	8.2	8.9	9.7	10.6	11.5	12.4	13.5	14.6
SIT (°F)	36	40	44	48	51	55	59	62	66

110°F

Capacity (Btu/hr)*	167,726	183,844	200,890	218,884	237,837	257,755	280,327	302,359	327,469
Evap (Lb/hr)	2227	2497	2793	3119	3478	3873	4309	4790	5321
Cond (Lb/hr)	3410	3728	4067	4427	4811	5219	5689	6156	6697
Power (kW)	26.1	27.1	27.2	27.3	27.4	27.4	27.6	27.6	27.7
Current (Amps)	39.7	40.1	40.4	40.7	40.9	41.1	41.5	41.5	41.8
Efficiency (EER)	6.4	6.8	7.4	8	8.7	9.4	10.1	10.9	11.8
SIT (°F)	40	44	48	52	56	60	63	67	70

120°F

Capacity (Btu/hr)*	156,286	171,191	186,915	203,482	220,908	239,204	260,020	280,256	301,351
Evap (Lb/hr)	2127	2385	2668	2980	3324	3703	4122	4585	5099
Cond (Lb/hr)	3501	3823	4165	4528	4914	5325	5799	6269	6771
Power (kW)	29.1	30.9	31.1	31.2	31.4	31.5	31.8	31.8	31.8
Current (Amps)	44.8	45.3	45.8	46.2	46.5	46.8	47.3	47.5	47.6
Efficiency (EER)	5.4	5.5	6	6.5	7	7.6	8.2	8.8	9.5
SIT (°F)	45	49	53	57	61	65	68	72	76
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 13
120°F to 130°F SCT, -50°F to 0°F SST see page 14
120°F to 130°F SCT, 0°F to 40°F SST see page 16

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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 30
 Displacement 48 CFM @ 60 Hz

SCT

		SST (°F)								
		0	5	10	15	20	25	30	35	40
120°F	Capacity (Btu/hr)*	156,286	171,191	186,915	203,482	220,908	239,204	260,020	280,256	301,351
	Evap (Lb/hr)	2127	2385	2668	2980	3324	3703	4122	4585	5099
	Cond (Lb/hr)	3501	3823	4165	4528	4914	5325	5799	6269	6771
	Power (kW)	29.1	30.9	31.1	31.2	31.4	31.5	31.8	31.8	31.8
	Current (Amps)	44.8	45.3	45.8	46.2	46.5	46.8	47.3	47.5	47.6
	Efficiency (EER)	5.4	5.5	6	6.5	7	7.6	8.2	8.8	9.5
	SIT (°F)	45	49	53	57	61	65	68	72	76
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130°F	Capacity (Btu/hr)*	143,089	156,686	170,986	186,013	203,039	219,737	237,220	255,484	276,544
	Evap (Lb/hr)	2009	2254	2524	2821	3148	3510	3911	4355	4849
	Cond (Lb/hr)	3576	3900	4244	4609	5028	5443	5885	6357	6911
	Power (kW)	32.5	35.2	35.5	35.7	36.1	36.3	36.4	36.5	36.9
	Current (Amps)	50.8	51.5	52.1	52.6	53.4	53.8	54.1	54.4	55.1
	Efficiency (EER)	4.4	4.4	4.8	5.2	5.6	6.1	6.5	7	7.5
	SIT (°F)	51	55	59	63	66	70	74	78	81
	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 13
 120°F to 130°F SCT, -50°F to 0°F SST see page 14
 70°F to 120°F SCT, 0°F to 40°F SST see page 15

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 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
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.

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)	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	
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	
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130°F	Capacity (Btu/hr)*	44,393	53,976	63,783	74,024	85,111	96,391	108,215	121,206	134,305	148,052	163,357
	Evap (Lb/hr)	525	646	777	919	1072	1237	1418	1614	1828	2062	2318
	Cond (Lb/hr)	1183.3	1425.7	1669	1921	2192	2464	2747	3059	3371	3698	4065
	Power (kW)	29.5	30.3	30.9	31.7	32.6	33.4	34.1	35.1	36	36.8	37.8
	Current (Amps)	46.3	48.2	49.8	51.3	52.9	54.1	55.2	56.5	57.4	58.3	59.4
	Efficiency (EER)	1.5	1.8	2.1	2.3	2.6	2.9	3.2	3.5	3.7	4	4.3
	SIT (°F)	16.7	20.3	24	28	31	35	39	42	46	50	53
	SST (°F)	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0

70°F to 120°F SCT, -50°F to 0°F SST see page 17
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

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 54 CFM @ 60 Hz

SCT
70°F

SST (°F)	0	5	10	15	20	25	30	35	40
70°F									
Capacity (Btu/hr)*	227,517	250,178	275,507	301,131	329,743	360,098	392,206	423,786	459,115
Evap (Lb/hr)	2835	3180	3560	3977	4434	4935	5482	6080	6733
Cond (Lb/hr)	3421	3760	4142	4531	4970	5440	5944	6446	7017
Power (kW)	19.7	18.2	18.2	18.2	18.1	18.1	18	17.8	17.6
Current (Amps)	29	29	29	28.9	28.9	28.8	28.7	28.5	28.3
Efficiency (EER)	11.6	13.8	15.1	16.6	18.2	19.9	21.8	23.8	26.1
SIT (°F)	26	30	33	37	40	43	46	50	53
80°F									
Capacity (Btu/hr)*	220,372	242,134	265,220	291,040	316,929	345,911	374,573	406,730	440,589
Evap (Lb/hr)	2782	3120	3492	3900	4348	4838	5376	5964	6609
Cond (Lb/hr)	3535	3881	4250	4667	5088	5566	6043	6587	7169
Power (kW)	21.8	20.8	20.8	20.9	20.8	20.8	20.7	20.6	20.5
Current (Amps)	32	32.1	32.1	32.3	32.2	32.3	32.1	32.1	32.1
Efficiency (EER)	10.1	11.6	12.7	13.9	15.2	16.6	18.1	19.8	21.5
SIT (°F)	29	33	37	40	44	47	51	54	57
90°F									
Capacity (Btu/hr)*	211,579	232,213	255,306	278,545	303,016	330,488	357,594	388,127	417,807
Evap (Lb/hr)	2719	3048	3410	3807	4243	4721	5246	5823	6456
Cond (Lb/hr)	3643	3993	4389	4789	5214	5698	6181	6733	7281
Power (kW)	24.2	23.8	23.9	23.9	23.9	23.9	23.8	23.8	23.6
Current (Amps)	35.6	35.8	36.1	36.1	36.2	36.4	36.3	36.4	36.3
Efficiency (EER)	8.7	9.8	10.7	11.6	12.7	13.8	15	16.3	17.7
SIT (°F)	33	37	40	44	48	51	55	58	62
100°F									
Capacity (Btu/hr)*	201,993	221,434	243,208	265,043	288,019	313,885	339,341	365,917	396,068
Evap (Lb/hr)	2644	2963	3313	3697	4120	4583	5094	5655	6273
Cond (Lb/hr)	3760	4115	4517	4921	5350	5840	6328	6847	7446
Power (kW)	26.9	27.2	27.4	27.4	27.4	27.6	27.5	27.4	27.5
Current (Amps)	39.9	40.2	40.7	40.9	41	41.3	41.4	41.4	41.6
Efficiency (EER)	7.5	8.1	8.9	9.7	10.5	11.4	12.3	13.3	14.4
SIT (°F)	37	41	44	48	52	55	59	63	66
110°F									
Capacity (Btu/hr)*	191,470	209,681	228,896	249,130	271,921	294,411	317,950	344,703	370,558
Evap (Lb/hr)	2555	2862	3199	3569	3976	4424	4917	5460	6061
Cond (Lb/hr)	3887	4247	4629	5035	5498	5960	6450	7016	7576
Power (kW)	30.1	31.2	31.3	31.4	31.6	31.7	31.7	31.9	31.8
Current (Amps)	45.3	45.7	46.1	46.4	46.9	47.2	47.3	47.7	47.8
Efficiency (EER)	6.4	6.7	7.3	7.9	8.6	9.3	10	10.8	11.6
SIT (°F)	41	45	49	53	56	60	64	67	71
120°F									
Capacity (Btu/hr)*	178,022	194,742	213,501	232,132	251,683	272,164	295,470	318,048	341,563
Evap (Lb/hr)	2447	2742	3064	3419	3809	4240	4714	5239	5820
Cond (Lb/hr)	3978	4339	4750	5158	5592	6053	6585	7111	7672
Power (kW)	33.6	35.5	35.9	36.1	36.2	36.3	36.6	36.7	36.7
Current (Amps)	51.6	52.1	52.9	53.3	53.7	54	54.6	54.8	55
Efficiency (EER)	5.3	5.5	5.9	6.4	7	7.5	8.1	8.7	9.3
SIT (°F)	47	51	54	58	62	66	69	73	77
SST (°F)	0	5	10	15	20	25	30	35	40

70°F to 120°F SCT, 0°F to 40°F SST see page 17
120°F to 150°F SCT, 0°F to 40°F SST see page 18
120°F to 150°F SCT, 40°F to 55°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.

*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 35
 Displacement 54 CFM @ 60 Hz

SCT
 120°F

SST (°F)	0	5	10	15	20	25	30	35	40
Capacity (Btu/hr)*	178,022	194,742	213,501	232,132	251,683	272,164	295,470	318,048	341,563
Evap (Lb/hr)	2447	2742	3064	3419	3809	4240	4714	5239	5820
Cond (Lb/hr)	3978	4339	4750	5158	5592	6053	6585	7111	7672
Power (kW)	33.6	35.5	35.9	36.1	36.2	36.3	36.6	36.7	36.7
Current (Amps)	51.6	52.1	52.9	53.3	53.7	54	54.6	54.8	55
Efficiency (EER)	5.3	5.5	5.9	6.4	7	7.5	8.1	8.7	9.3
SIT (°F)	47	51	54	58	62	66	69	73	77

130°F

SST (°F)	0	5	10	15	20	25	30	35	40
Capacity (Btu/hr)*	163,357	178,607	194,599	211,355	230,340	248,858	268,199	290,438	311,682
Evap (Lb/hr)	2318	2598	2906	3244	3616	4027	4482	4986	5547
Cond (Lb/hr)	4065	4430	4816	5223	5691	6153	6645	7219	7784
Power (kW)	37.8	40.7	41	41.2	41.6	41.8	42	42.4	42.5
Current (Amps)	59.4	60	60.7	61.2	62	62.5	62.8	63.6	63.9
Efficiency (EER)	4.3	4.4	4.8	5.1	5.5	6	6.4	6.9	7.3
SIT (°F)	53	57	61	65	68	72	76	79	83

70°F to 120°F SCT, -50°F to 0°F SST see page 17
 120°F to 130°F SCT, -55°F to 0°F SST see page 18
 70°F to 120°F SCT, 0°F to 40°F SST see page 19

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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 30
Displacement 65 CFM @ 60 Hz

SCT
70°F

SST (°F)	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
Capacity (Btu/hr)*	93,135	104,552	117,390	131,689	148,017	165,420	184,391	204,954	228,055	251,985	278,762
Evap (Lb/hr)	997	1134	1292	1471	1673	1900	2153	2435	2748	3093	3473
Cond (Lb/hr)	1439	1608	1798	2009	2251	2508	2788	3091	3435	3790	4191
Power (kW)	19.8	20.1	20.4	20.8	21.3	21.7	22.2	22.6	23.1	23.4	23.9
Current (Amps)	25.5	26.5	27.5	28.3	29.1	29.8	30.3	30.7	31.1	31.3	31.6
Efficiency (EER)	4.7	5.2	5.7	6.3	6.9	7.6	8.3	9.1	9.9	10.7	11.7
SIT (°F)	-10.9	-7	-3	1	4	8	12	16	19	23	26

80°F

Capacity (Btu/hr)*	89,131	100,763	113,678	127,918	144,051	161,133	179,655	199,649	222,061	245,198	269,881
Evap (Lb/hr)	963	1104	1264	1444	1646	1872	2123	2401	2708	3048	3422
Cond (Lb/hr)	1477	1661	1865	2089	2344	2612	2903	3217	3571	3936	4326
Power (kW)	21.8	22.2	22.6	23	23.6	24.1	24.6	25.1	25.6	26.1	26.5
Current (Amps)	28	29.3	30.4	31.3	32.3	33.1	33.7	34.2	34.8	35.2	35.4
Efficiency (EER)	4.1	4.5	5	5.6	6.1	6.7	7.3	8	8.7	9.4	10.2
SIT (°F)	-8	-4.1	0	4	7	11	15	19	22	26	30

90°F

Capacity (Btu/hr)*	84,758	96,847	109,797	123,935	139,301	155,934	174,570	193,944	214,695	236,851	261,622
Evap (Lb/hr)	928	1072	1234	1415	1616	1840	2087	2361	2663	2996	3362
Cond (Lb/hr)	1516	1723	1943	2182	2440	2720	3035	3360	3709	4082	4503
Power (kW)	24	24.5	25	25.5	26.1	26.6	27.3	27.9	28.4	28.9	29.5
Current (Amps)	31.2	32.7	33.9	35	36	36.9	37.8	38.4	39	39.5	40
Efficiency (EER)	3.5	3.9	4.4	4.9	5.3	5.9	6.4	7	7.6	8.2	8.9
SIT (°F)	-4.5	-0.6	3	7	11	15	18	22	26	30	33

100°F

Capacity (Btu/hr)*	80,053	91,896	105,121	119,061	134,087	150,240	168,252	186,870	206,733	227,870	251,492
Evap (Lb/hr)	889	1036	1199	1380	1580	1801	2045	2313	2609	2935	3292
Cond (Lb/hr)	1558	1777	2021	2275	2549	2841	3169	3506	3865	4248	4680
Power (kW)	26.5	27	27.7	28.2	28.9	29.5	30.3	30.9	31.6	32.2	32.9
Current (Amps)	35.1	36.6	38.1	39.3	40.4	41.4	42.5	43.3	44	44.5	45.3
Efficiency (EER)	3	3.4	3.8	4.2	4.6	5.1	5.6	6	6.5	7.1	7.6
SIT (°F)	-0.2	3.5	7	11	15	19	22	26	30	34	37

110°F

Capacity (Btu/hr)*	74,482	86,340	99,423	113,080	127,675	143,846	160,526	178,270	197,113	218,120	239,398
Evap (Lb/hr)	842	991	1155	1336	1534	1753	1992	2256	2545	2862	3210
Cond (Lb/hr)	1591	1830	2094	2366	2655	2976	3304	3652	4022	4437	4856
Power (kW)	29.3	29.9	30.6	31.3	32	32.9	33.6	34.4	35.1	36	36.7
Current (Amps)	39.8	41.4	43	44.4	45.6	46.9	47.9	48.8	49.6	50.6	51.2
Efficiency (EER)	2.5	2.9	3.2	3.6	4	4.4	4.8	5.2	5.6	6.1	6.5
SIT (°F)	4.9	8.6	12	16	20	23	27	31	35	38	42

120°F

Capacity (Btu/hr)*	67,793	79,602	92,473	105,774	120,366	135,355	151,215	168,765	186,591	205,409	226,408
Evap (Lb/hr)	783	935	1100	1280	1477	1692	1927	2184	2466	2775	3113
Cond (Lb/hr)	1604	1868	2155	2447	2767	3091	3434	3814	4197	4602	5057
Power (kW)	32.6	33.2	34	34.8	35.7	36.6	37.4	38.4	39.3	40.1	41.1
Current (Amps)	45.4	47.1	48.9	50.4	51.9	53.1	54.2	55.5	56.4	57.2	58.2
Efficiency (EER)	2.1	2.4	2.7	3	3.4	3.7	4	4.4	4.8	5.1	5.5
SIT (°F)	11.1	14.7	18	22	25	29	33	36	40	44	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 22
70°F to 120°F SCT, 0°F to 40°F SST see page 23
120°F to 130°F SCT, 0°F to 40°F SST see page 24

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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 30
 Displacement 65 CFM @ 60 Hz

SCT

120°F		SST (°F)	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
Capacity (Btu/hr)*			67,793	79,602	92,473	105,774	120,366	135,355	151,215	168,765	186,591	205,409	226,408
Evap (Lb/hr)			783	935	1100	1280	1477	1692	1927	2184	2466	2775	3113
Cond (Lb/hr)			1604	1868	2155	2447	2767	3091	3434	3814	4197	4602	5057
Power (kW)			32.6	33.2	34	34.8	35.7	36.6	37.4	38.4	39.3	40.1	41.1
Current (Amps)			45.4	47.1	48.9	50.4	51.9	53.1	54.2	55.5	56.4	57.2	58.2
Efficiency (EER)			2.1	2.4	2.7	3	3.4	3.7	4	4.4	4.8	5.1	5.5
SIT (°F)			11.1	14.7	18	22	25	29	33	36	40	44	47
130°F		SST (°F)	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
Capacity (Btu/hr)*			59,490	71,438	84,035	96,921	110,925	125,179	140,810	156,622	174,107	191,666	211,237
Evap (Lb/hr)			709	863	1028	1208	1403	1614	1845	2096	2370	2669	2997
Cond (Lb/hr)			1577	1878	2192	2508	2850	3194	3571	3949	4369	4787	5258
Power (kW)			36.2	37	38	38.8	39.9	40.8	41.9	42.9	44	44.9	46.1
Current (Amps)			51.9	53.9	55.8	57.4	59.1	60.3	61.8	62.9	64.2	65	66.1
Efficiency (EER)			1.6	1.9	2.2	2.5	2.8	3.1	3.4	3.7	4	4.3	4.6
SIT (°F)			18.6	21.9	25	29	32	36	39	43	46	50	53

70°F to 120°F SCT, -50°F to 0°F SST see page 21
 70°F to 120°F SCT, 0°F to 40°F SST see page 23
 120°F to 130°F SCT, 0°F to 40°F SST see page 24

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.

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 65 CFM @ 60 Hz

SCT
70°F

SST (°F)	0	5	10	15	20	25	30	35	40
Capacity (Btu/hr)*	278,762	306,145	336,720	367,582	402,019	438,507	477,054	514,887	557,200
Evap (Lb/hr)	3473	3892	4351	4855	5406	6009	6668	7387	8171
Cond (Lb/hr)	4191	4600	5062	5531	6059	6625	7230	7832	8516
Power (kW)	23.9	21.9	21.9	21.9	21.8	21.8	21.7	21.4	21.2
Current (Amps)	31.6	31.6	31.7	31.6	31.6	31.6	31.4	31.1	30.9
Efficiency (EER)	11.7	14	15.3	16.8	18.4	20.1	22	24.1	26.3
SIT (°F)	26	30	33	37	40	43	46	50	53

80°F

Capacity (Btu/hr)*	269,881	297,475	325,446	356,715	388,012	423,041	457,623	496,420	537,234
Evap (Lb/hr)	3422	3833	4285	4780	5323	5917	6568	7280	8059
Cond (Lb/hr)	4326	4767	5214	5720	6229	6806	7383	8040	8742
Power (kW)	26.5	25.2	25.2	25.3	25.2	25.2	25	24.9	24.7
Current (Amps)	35.4	35.8	35.9	36.1	36	36.1	35.9	35.9	35.8
Efficiency (EER)	10.2	11.8	12.9	14.1	15.4	16.8	18.3	20	21.7
SIT (°F)	30	33	37	40	44	47	51	54	57

90°F

Capacity (Btu/hr)*	261,622	286,804	313,453	343,297	373,093	406,543	439,503	476,634	512,677
Evap (Lb/hr)	3362	3765	4207	4692	5224	5808	6448	7150	7921
Cond (Lb/hr)	4503	4930	5386	5901	6419	7009	7596	8269	8935
Power (kW)	29.5	28.8	28.8	29	28.9	29	28.9	28.8	28.6
Current (Amps)	40	40.3	40.6	40.9	41	41.2	41.1	41.3	41.1
Efficiency (EER)	8.9	10	10.9	11.8	12.9	14	15.2	16.5	17.9
SIT (°F)	33	37	41	44	48	51	55	58	62

100°F

Capacity (Btu/hr)*	251,492	275,412	300,689	329,045	357,275	386,886	420,310	452,918	489,922
Evap (Lb/hr)	3292	3685	4116	4590	5110	5681	6309	6999	7759
Cond (Lb/hr)	4680	5116	5581	6108	6636	7196	7838	8475	9210
Power (kW)	32.9	33	33	33.2	33.3	33.2	33.3	33.2	33.2
Current (Amps)	45.3	45.7	46	46.5	46.7	46.8	47.1	47.1	47.3
Efficiency (EER)	7.6	8.4	9.1	9.9	10.7	11.6	12.6	13.6	14.7
SIT (°F)	37	41	45	48	52	56	59	63	66

110°F

Capacity (Btu/hr)*	239,398	261,878	287,087	312,228	338,639	368,479	397,697	430,912	462,980
Evap (Lb/hr)	3210	3592	4012	4473	4979	5536	6150	6826	7572
Cond (Lb/hr)	4856	5301	5805	6309	6845	7458	8068	8771	9466
Power (kW)	36.7	37.6	37.9	38	38.1	38.3	38.3	38.5	38.4
Current (Amps)	51.2	51.7	52.4	52.8	53	53.6	53.7	54.1	54.2
Efficiency (EER)	6.5	7	7.6	8.2	8.9	9.6	10.4	11.2	12.1
SIT (°F)	42	46	49	53	57	60	64	67	71

120°F

Capacity (Btu/hr)*	226,408	247,455	271,080	294,528	319,126	347,012	374,199	402,565	435,121
Evap (Lb/hr)	3113	3484	3891	4338	4830	5372	5970	6631	7362
Cond (Lb/hr)	5057	5513	6030	6545	7091	7719	8341	9002	9774
Power (kW)	41.1	43	43.4	43.6	43.7	44	44.1	44.1	44.4
Current (Amps)	58.2	58.8	59.6	60.1	60.5	61.1	61.4	61.6	62.1
Efficiency (EER)	5.5	5.8	6.2	6.8	7.3	7.9	8.5	9.1	9.8
SIT (°F)	47	51	54	58	62	65	69	73	76
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 21
120°F to 130°F SCT, -50°F to 0°F SST see page 22
120°F to 130°F SCT, 0°F to 40°F SST see page 24

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 65 CFM @ 60 Hz

SCT
120°F

SST (°F)	0	5	10	15	20	25	30	35	40
Capacity (Btu/hr)*	226,408	247,455	271,080	294,528	319,126	347,012	374,199	402,565	435,121
Evap (Lb/hr)	3113	3484	3891	4338	4830	5372	5970	6631	7362
Cond (Lb/hr)	5057	5513	6030	6545	7091	7719	8341	9002	9774
Power (kW)	41.1	43	43.4	43.6	43.7	44	44.1	44.1	44.4
Current (Amps)	58.2	58.8	59.6	60.1	60.5	61.1	61.4	61.6	62.1
Efficiency (EER)	5.5	5.8	6.2	6.8	7.3	7.9	8.5	9.1	9.8
SIT (°F)	47	51	54	58	62	65	69	73	76

130°F

Capacity (Btu/hr)*	211,237	230,728	252,626	274,224	296,832	322,562	347,490	376,131	403,493
Evap (Lb/hr)	2997	3356	3750	4183	4660	5186	5768	6412	7127
Cond (Lb/hr)	5258	5725	6256	6782	7339	7981	8614	9354	10080
Power (kW)	46.1	49.1	49.6	49.8	50	50.5	50.6	51.1	51.1
Current (Amps)	66.1	66.8	67.8	68.4	68.8	69.6	69.9	70.7	70.9
Efficiency (EER)	4.6	4.7	5.1	5.5	5.9	6.4	6.9	7.4	7.9
SIT (°F)	53	57	60	64	68	71	75	78	82
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 21
 120°F to 130°F SCT, -50°F to 0°F SST see page 22
 70°F to 120°F SCT, 0°F to 40°F SST see page 23

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
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.

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)	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
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

130°F

Capacity (Btu/hr)*	73,787	87,949	102,429	118,094	134,640	152,133	169,817	189,291	209,912	230,532	253,521
Evap (Lb/hr)	890	1075.1	1275	1491	1726	1980	2257	2558	2886	3245	3636
Cond (Lb/hr)	1936.5	2290.8	2648	3032	3435	3859	4283	4751	5246	5738	6291
Power (kW)	44.5	45.6	46.6	47.8	49.2	50.5	51.6	53	54.4	55.4	56.7
Current (Amps)	64.4	66.7	68.6	70.7	72.7	74.5	75.9	77.6	79.1	80.2	81.5
Efficiency (EER)	1.7	1.9	2.2	2.5	2.7	3	3.3	3.6	3.9	4.2	4.5
SIT (°F)	22.3	25.4	29	32	35	38	42	45	48	52	55
SST (°F)	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0

70°F to 120°F SCT, -50°F to 0°F SST see page 25

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

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 40
Displacement 78 CFM @ 60 Hz

SCT
70°F

SST (°F)		0	5	10	15	20	25	30	35	40	
70°F	Capacity (Btu/hr)*	329,970	363,463	397,431	435,347	475,632	518,321	560,524	607,760	657,432	
	Evap (Lb/hr)	4129	4621	5160	5750	6396	7103	7875	8719	9641	
	Cond (Lb/hr)	4957	5461	5972	6550	7168	7831	8492	9244	10047	
	Power (kW)	29.2	26.4	26.3	26.3	26.3	26.2	26	25.8	25.6	
	Current (Amps)	37.6	37.8	37.8	37.9	38	37.9	37.6	37.4	37.2	
	Efficiency (EER)	11.3	13.8	15.1	16.5	18.1	19.8	21.6	23.6	25.7	
	SIT (°F)	27	30	34	37	40	43	47	50	53	
	80°F	Capacity (Btu/hr)*	321,493	352,282	386,690	421,288	459,999	501,049	541,567	587,101	635,084
		Evap (Lb/hr)	4076	4560	5091	5673	6310	7008	7772	8609	9527
		Cond (Lb/hr)	5152	5642	6195	6753	7384	8061	8737	9508	10334
Power (kW)		32.4	30	30.1	30	30.1	30.1	29.9	29.8	29.6	
Current (Amps)		42.2	42.5	42.8	42.9	43.1	43.2	43	43	42.9	
Efficiency (EER)		9.9	11.7	12.8	14	15.3	16.7	18.1	19.7	21.4	
SIT (°F)		30	34	37	41	44	47	51	54	57	
90°F		Capacity (Btu/hr)*	311,023	340,444	373,357	406,350	443,355	482,616	521,289	564,931	607,344
		Evap (Lb/hr)	4015	4490	5011	5582	6208	6895	7648	8475	9384
		Cond (Lb/hr)	5349	5849	6414	6982	7628	8319	9009	9800	10584
	Power (kW)	36	34.2	34.4	34.3	34.5	34.5	34.4	34.4	34.2	
	Current (Amps)	47.6	48	48.5	48.7	49.1	49.4	49.3	49.5	49.3	
	Efficiency (EER)	8.6	10	10.9	11.8	12.9	14	15.2	16.4	17.8	
	SIT (°F)	34	38	41	45	48	51	55	58	62	
	100°F	Capacity (Btu/hr)*	299,846	327,841	359,191	390,511	425,725	460,511	499,824	538,187	581,830
		Evap (Lb/hr)	3944	4408	4917	5476	6089	6762	7502	8317	9214
		Cond (Lb/hr)	5574	6086	6665	7245	7906	8565	9320	10070	10937
Power (kW)		40.1	39.1	39.4	39.4	39.6	39.6	39.7	39.6	39.7	
Current (Amps)		54	54.6	55.3	55.6	56.2	56.4	56.8	56.8	57.1	
Efficiency (EER)		7.5	8.4	9.1	9.9	10.7	11.6	12.6	13.6	14.7	
SIT (°F)		38	42	45	49	52	56	59	63	66	
110°F		Capacity (Btu/hr)*	286,397	314,354	342,308	371,696	404,828	437,418	474,405	510,356	551,491
		Evap (Lb/hr)	3859	4312	4809	5354	5953	6611	7336	8136	9020
		Cond (Lb/hr)	5802	6359	6916	7506	8180	8850	9622	10386	11274
	Power (kW)	44.9	45	45.1	45.2	45.5	45.5	45.8	45.7	45.9	
	Current (Amps)	61.7	62.6	63.2	63.7	64.4	64.7	65.3	65.4	65.9	
	Efficiency (EER)	6.4	7	7.6	8.2	8.9	9.6	10.4	11.2	12	
	SIT (°F)	43	46	50	54	57	61	64	68	71	
	120°F	Capacity (Btu/hr)*	271,942	296,676	324,443	351,917	380,706	413,393	445,193	481,624	516,631
		Evap (Lb/hr)	3758	4199	4682	5213	5797	6439	7149	7933	8802
		Cond (Lb/hr)	6063	6600	7208	7813	8453	9190	9918	10766	11602
Power (kW)		50.5	51.5	51.9	52	52.1	52.6	52.6	53	53	
Current (Amps)		71	71.7	72.8	73.4	73.9	74.7	75	75.8	75.9	
Efficiency (EER)		5.4	5.8	6.3	6.8	7.3	7.9	8.5	9.1	9.8	
SIT (°F)		48	52	55	59	63	66	70	73	77	
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 25
120°F to 130°F SCT, -50°F to 0°F SST see page 26
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.

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 40
Displacement 78 CFM @ 60 Hz

SCT

120°F

SST (°F)	0	5	10	15	20	25	30	35	40
Capacity (Btu/hr)*	271,942	296,676	324,443	351,917	380,706	413,393	445,193	481,624	516,631
Evap (Lb/hr)	3758	4199	4682	5213	5797	6439	7149	7933	8802
Cond (Lb/hr)	6063	6600	7208	7813	8453	9190	9918	10766	11602
Power (kW)	50.5	51.5	51.9	52	52.1	52.6	52.6	53	53
Current (Amps)	71	71.7	72.8	73.4	73.9	74.7	75	75.8	75.9
Efficiency (EER)	5.4	5.8	6.3	6.8	7.3	7.9	8.5	9.1	9.8
SIT (°F)	48	52	55	59	63	66	70	73	77

130°F

SST (°F)	0	5	10	15	20	25	30	35	40
Capacity (Btu/hr)*	253,521	277,883	301,936	329,099	355,652	385,928	415,198	448,940	481,162
Evap (Lb/hr)	3636	4065	4535	5051	5619	6246	6939	7708	8563
Cond (Lb/hr)	6291	6879	7461	8126	8781	9539	10284	11157	12015
Power (kW)	56.7	59.3	59.4	60	60.1	60.7	60.8	61.3	61.4
Current (Amps)	81.5	82.8	83.6	84.7	85.3	86.3	86.7	87.7	87.9
Efficiency (EER)	4.5	4.7	5.1	5.5	5.9	6.4	6.8	7.3	7.8
SIT (°F)	55	58	62	65	69	72	76	79	83

70°F to 120°F SCT, -50°F to 0°F SST see page 25
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

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 40
Displacement 88 CFM @ 60 Hz

SCT

70°F

SST (°F)	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
Capacity (Btu/hr)*	125,007	140,512	157,710	176,652	198,110	220,788	246,307	272,934	302,770	333,531	367,916
Evap (Lb/hr)	1346.2	1534.6	1748	1988	2256	2555	2888	3256	3663	4111	4604
Cond (Lb/hr)	1926	2155.3	2409	2689	3007	3341	3719	4112	4556	5012	5527
Power (kW)	28.4	28.8	29.3	29.8	30.5	31	31.7	32.3	32.9	33.4	33.9
Current (Amps)	34.6	35.8	36.9	37.9	38.9	39.7	40.6	41.2	41.8	42.2	42.6
Efficiency (EER)	4.4	4.9	5.4	5.9	6.5	7.1	7.8	8.5	9.2	10	10.8
SIT (°F)	-8.6	-4.9	-1	3	6	10	13	17	20	24	27

80°F

Capacity (Btu/hr)*	120,152	136,282	153,541	172,384	193,585	215,854	239,861	266,737	294,494	325,523	357,222
Evap (Lb/hr)	1311.1	1503.6	1720	1961	2229	2527	2856	3221	3622	4064	4550
Cond (Lb/hr)	1982.7	2239	2511	2807	3142	3491	3868	4292	4728	5220	5721
Power (kW)	31.1	31.8	32.3	32.9	33.7	34.3	35	35.7	36.3	37	37.5
Current (Amps)	37.8	39.3	40.6	41.8	43	44	44.9	45.8	46.5	47.2	47.7
Efficiency (EER)	3.9	4.3	4.8	5.2	5.7	6.3	6.9	7.5	8.1	8.8	9.5
SIT (°F)	-5.3	-1.5	2	6	9	13	17	20	24	27	31

90°F

Capacity (Btu/hr)*	115,408	131,647	148,847	167,460	188,264	209,967	234,199	259,232	287,181	315,773	347,725
Evap (Lb/hr)	1276.6	1472.8	1691	1933	2201	2497	2823	3182	3578	4012	4489
Cond (Lb/hr)	2053.5	2330.8	2622	2936	3287	3652	4061	4481	4954	5435	5978
Power (kW)	34.2	34.9	35.6	36.3	37.1	37.9	38.8	39.5	40.3	41	41.8
Current (Amps)	42	43.8	45.2	46.6	48	49.2	50.4	51.3	52.4	53.1	53.9
Efficiency (EER)	3.4	3.8	4.2	4.6	5.1	5.5	6	6.6	7.1	7.7	8.3
SIT (°F)	-1.3	2.3	6	10	13	17	20	24	27	31	34

100°F

Capacity (Btu/hr)*	110,330	126,182	143,754	162,107	182,482	203,591	226,110	251,179	276,811	305,412	334,390
Evap (Lb/hr)	1237.6	1437.3	1657	1900	2167	2460	2782	3136	3525	3951	4419
Cond (Lb/hr)	2133.1	2424.6	2748	3082	3454	3836	4244	4699	5163	5685	6212
Power (kW)	37.7	38.4	39.3	40.1	41.1	41.9	42.8	43.8	44.6	45.6	46.3
Current (Amps)	47.6	49.3	51.1	52.6	54.3	55.6	56.7	58	59	60.1	60.9
Efficiency (EER)	2.9	3.3	3.7	4	4.4	4.9	5.3	5.7	6.2	6.7	7.2
SIT (°F)	3.4	6.9	10	14	17	21	25	28	32	35	39

110°F

Capacity (Btu/hr)*	103,692	119,921	136,767	155,295	174,407	195,525	218,109	241,160	266,796	292,753	321,752
Evap (Lb/hr)	1188.8	1391.7	1614	1856	2122	2412	2731	3079	3460	3878	4336
Cond (Lb/hr)	2194.7	2522.7	2859	3229	3606	4025	4471	4923	5430	5940	6515
Power (kW)	41.5	42.5	43.4	44.4	45.4	46.5	47.7	48.7	49.8	50.7	51.7
Current (Amps)	54.2	56.3	58.1	60	61.5	63.2	64.8	66	67.4	68.3	69.5
Efficiency (EER)	2.5	2.8	3.2	3.5	3.8	4.2	4.6	5	5.4	5.8	6.2
SIT (°F)	8.9	12.3	16	19	23	26	29	33	36	40	43

120°F

Capacity (Btu/hr)*	95,456	111,520	128,549	146,622	165,103	185,400	206,981	228,849	253,114	278,921	304,785
Evap (Lb/hr)	1124	1330.1	1554	1796	2061	2348	2662	3004	3378	3786	4234
Cond (Lb/hr)	2233.1	2591.4	2968	3366	3767	4209	4677	5147	5673	6232	6790
Power (kW)	45.9	47	48.2	49.4	50.5	51.8	53.1	54.2	55.5	56.7	57.7
Current (Amps)	62.3	64.6	66.7	68.8	70.4	72.2	74	75.3	76.8	78.3	79.2
Efficiency (EER)	2.1	2.4	2.7	3	3.3	3.6	3.9	4.2	4.6	4.9	5.3
SIT (°F)	15.6	18.8	22	25	29	32	35	39	42	45	49
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 30

70°F to 120°F SCT, 0°F to 40°F SST see page 31

120°F to 130°F SCT, 0°F to 40°F SST see page 32

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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 40
 Displacement 88 CFM @ 60 Hz

SCT

120°F		SST (°F)	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
Capacity (Btu/hr)*			95,456	111,520	128,549	146,622	165,103	185,400	206,981	228,849	253,114	278,921	304,785
Evap (Lb/hr)			1124	1330.1	1554	1796	2061	2348	2662	3004	3378	3786	4234
Cond (Lb/hr)			2233.1	2591.4	2968	3366	3767	4209	4677	5147	5673	6232	6790
Power (kW)			45.9	47	48.2	49.4	50.5	51.8	53.1	54.2	55.5	56.7	57.7
Current (Amps)			62.3	64.6	66.7	68.8	70.4	72.2	74	75.3	76.8	78.3	79.2
Efficiency (BER)			2.1	2.4	2.7	3	3.3	3.6	3.9	4.2	4.6	4.9	5.3
SIT (°F)			15.6	18.8	22	25	29	32	35	39	42	45	49
130°F													
Capacity (Btu/hr)*			85,537	101,446	117,621	135,075	153,457	172,848	193,332	214,996	236,706	260,838	286,415
Evap (Lb/hr)			1036	1245.4	1471	1714	1976	2261	2570	2906	3272	3671	4108
Cond (Lb/hr)			2237.9	2635.1	3033	3461	3908	4378	4871	5392	5910	6490	7106
Power (kW)			51.2	52.4	53.6	54.9	56.4	57.8	59.3	60.8	61.9	63.3	64.7
Current (Amps)			72.4	74.8	76.7	78.9	81	82.9	84.8	86.6	87.8	89.4	90.9
Efficiency (BER)			1.7	1.9	2.2	2.5	2.7	3	3.3	3.5	3.8	4.1	4.4
SIT (°F)			23.4	26.5	30	33	36	39	42	45	49	52	55
		SST (°F)	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0

70°F to 120°F SCT, -50°F to 0°F SST see page 29

70°F to 120°F SCT, 0°F to 40°F SST see page 31

120°F to 130°F SCT, 0°F to 40°F SST see page 32

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 50
Displacement 88 CFM @ 60 Hz

SCT
70°F

SST (°F)	0	5	10	15	20	25	30	35	40
Capacity (Btu/hr)*	135,952	402,955	442,094	483,801	528,136	572,266	621,682	673,849	728,807
Evap (Lb/hr)	1680	5146	5739	6390	7102	7882	8734	9667	10688
Cond (Lb/hr)	2048	6051	6643	7278	7959	8643	9419	10249	11138
Power (kW)	11.4	29.8	29.9	29.9	29.9	29.7	29.5	29.3	29
Current (Amps)	17.5	42.8	43.1	43.2	43.3	43.1	42.9	42.7	42.4
Efficiency (EER)	11.9	13.5	14.8	16.2	17.7	19.3	21.1	23	25.1
SIT (°F)	24	31	34	37	40	44	47	50	53

80°F

Capacity (Btu/hr)*	129,844	392,658	428,464	468,540	511,155	553,490	601,067	651,376	704,486
Evap (Lb/hr)	1632	5083	5668	6309	7012	7782	8626	9552	10568
Cond (Lb/hr)	2086	6288	6861	7509	8205	8902	9697	10548	11463
Power (kW)	12.7	34.1	34.1	34.2	34.2	34	34	33.9	33.7
Current (Amps)	19.3	48.2	48.4	48.8	49.1	49	49	49	48.9
Efficiency (EER)	10.2	11.5	12.6	13.7	14.9	16.3	17.7	19.2	20.9
SIT (°F)	28	34	38	41	44	48	51	54	57

90°F

Capacity (Btu/hr)*	123,702	380,085	416,320	452,635	493,424	533,849	579,450	627,740	674,747
Evap (Lb/hr)	1575	5013	5587	6218	6909	7668	8501	9417	10426
Cond (Lb/hr)	2134	6528	7151	7776	8488	9200	10014	10889	11758
Power (kW)	14.2	38.8	39	39	39.1	39	39	39	38.7
Current (Amps)	21.5	54.4	55	55.3	55.8	55.8	56.1	56.3	56
Efficiency (EER)	8.7	9.8	10.7	11.6	12.6	13.7	14.8	16.1	17.4
SIT (°F)	31	38	41	45	48	52	55	58	62

100°F

Capacity (Btu/hr)*	116,292	366,825	399,374	435,948	472,275	513,298	556,836	599,377	647,880
Evap (Lb/hr)	1508	4932	5495	6113	6792	7538	8358	9262	10260
Cond (Lb/hr)	2170	6807	7406	8087	8767	9545	10382	11214	12178
Power (kW)	15.7	44.3	44.3	44.6	44.5	44.7	44.9	44.7	44.8
Current (Amps)	24	61.8	62.3	63	63.3	63.9	64.3	64.3	64.6
Efficiency (EER)	7.4	8.3	9	9.8	10.6	11.5	12.4	13.4	14.5
SIT (°F)	35	42	46	49	53	56	59	63	66

110°F

Capacity (Btu/hr)*	108,070	350,861	383,548	416,051	452,763	488,899	529,997	570,000	615,875
Evap (Lb/hr)	1428	4837	5388	5993	6657	7389	8196	9087	10073
Cond (Lb/hr)	2202	7092	7747	8400	9148	9891	10749	11599	12590
Power (kW)	17.4	50.4	50.7	50.8	51.1	51.1	51.4	51.3	51.5
Current (Amps)	26.8	70.3	71.3	71.8	72.6	73	73.6	73.7	74.2
Efficiency (EER)	6.2	7	7.6	8.2	8.9	9.6	10.3	11.1	11.9
SIT (°F)	39	47	50	54	57	61	64	68	71

120°F

Capacity (Btu/hr)*	98,917	333,772	362,574	395,085	427,085	463,493	498,957	539,676	578,882
Evap (Lb/hr)	1333	4724	5262	5853	6503	7220	8012	8889	9863
Cond (Lb/hr)	2225	7422	8051	8770	9482	10304	11116	12064	13001
Power (kW)	19.3	57.6	57.7	58.1	58.2	58.6	58.7	59	59
Current (Amps)	30.2	80.5	81.2	82.3	82.8	83.7	84	84.8	84.8
Efficiency (EER)	5.1	5.8	6.3	6.8	7.3	7.9	8.5	9.1	9.8
SIT (°F)	43	52	56	59	63	66	70	73	77
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 29
120°F to 130°F SCT, -50°F to 0°F SST see page 30
120°F to 130°F SCT, 0°F to 40°F SST see page 32

-31-

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 50
Displacement 88 CFM @ 60 Hz

SCT
120°F

SST (°F)	0	5	10	15	20	25	30	35	40
Capacity (Btu/hr)*	98,917	333,772	362,574	395,085	427,085	463,493	498,957	539,676	578,882
Evap (Lb/hr)	1333	4724	5262	5853	6503	7220	8012	8889	9863
Cond (Lb/hr)	2225	7422	8051	8770	9482	10304	11116	12064	13001
Power (kW)	19.3	57.6	57.7	58.1	58.2	58.6	58.7	59	59
Current (Amps)	30.2	80.5	81.2	82.3	82.8	83.7	84	84.8	84.8
Efficiency (EER)	5.1	5.8	6.3	6.8	7.3	7.9	8.5	9.1	9.8
SIT (°F)	43	52	56	59	63	66	70	73	77

130°F

SST (°F)	0	5	10	15	20	25	30	35	40
Capacity (Btu/hr)*	88,707	311,765	340,321	370,627	400,274	434,153	466,952	504,847	541,113
Evap (Lb/hr)	1220	4586	5111	5688	6324	7026	7804	8667	9630
Cond (Lb/hr)	2233	7716	8410	9152	9884	10733	11568	12549	13515
Power (kW)	21.4	65.4	65.9	66.4	66.6	67.1	67.2	67.7	67.7
Current (Amps)	34	91.8	93.1	94.3	94.9	95.9	96.3	97.2	97.4
Efficiency (EER)	4.2	4.8	5.2	5.6	6	6.5	7	7.5	8
SIT (°F)	47	59	62	65	69	72	76	79	83

70°F to 120°F SCT, -50°F to 0°F SST see page 29
120°F to 130°F SCT, -50°F to 0°F SST see page 30
70°F to 120°F SCT, 0°F to 40°F SST see page 31

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

