

Appendix C – Air Flow Performance Data (Cont.)

Economizer Pressure Drop per CFM		
	Downflow	Horizontal
Airflow (cfm)	dP (inH2O)	dP (inH2O)
1050	0.06	0.01
1150	0.07	0.01
1250	0.09	0.01
1350	0.10	0.01
1450	0.12	0.01
1550	0.13	0.02
1650	0.15	0.02
1750	0.17	0.02
1850	0.19	0.02
1950	0.21	0.02
2050	0.23	0.03
2150	0.26	0.03
2250	0.28	0.03
2350	0.31	0.04

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Appendix C – Air Flow Performance Data (Cont.)

FLUSH MOUNT CONCENTRIC DIFFUSER PERFORMANCE INFORMATION								
Diffuser Model Number For Rheem	CFM	Minimum Throw (feet)	Maximum Throw (feet)	Static Pressure Drop (Diffuser)	Static Pressure Drop (Adapter)	Sound (in Db)	Diffuser Face Return Area (sq. ft.)	Diffuser Face Supply Area (sq. ft.)
					CN-1805-142			
RXRN-AEF1800	1000	9	12	0.14	0.057	20	2.1	3.37
	1200	12	16	0.2	0.08	25	2.1	3.37
	1400	15	20	0.26	0.105	30	2.1	3.37
	1600	17	23	0.33	0.134	30	2.1	3.37
	1800	20	26	0.41	0.17	35	2.1	3.37
	2000	22	29	0.5	0.21	40	2.1	3.37
	2400	25	32	0.68	0.29	45	2.1	3.37

DROP CONCENTRIC DIFFUSER PERFORMANCE INFORMATION								
Diffuser Model Number For Rheem	CFM	Minimum Throw (feet)	Maximum Throw (feet)	Static Pressure Drop (Diffuser)	Static Pressure Drop (Adapter)	Sound (in Db)	Diffuser Face Return Area (sq. ft.)	Diffuser Face Supply Area (sq. ft.)
					CN-1805-142			
RXRN-AED1800	1000	9	23	0.07	0.057	12	4.06	2.82
	1200	10	24	0.11	0.08	15	4.06	2.82
	1400	12	26	0.15	0.105	19	4.06	2.82
	1600	13	28	0.19	0.134	21	4.06	2.82
	1800	15	30	0.24	0.17	26	4.06	2.82
	2000	17	32	0.3	0.21	30	4.06	2.82
	2400	19	34	0.43	0.29	32	4.06	2.82

FLUSH MOUNT CONCENTRIC DIFFUSER PERFORMANCE INFORMATION								
Diffuser Model Number For Rheem	CFM	Minimum Throw (feet)	Maximum Throw (feet)	Static Pressure Drop (Diffuser)	Static Pressure Drop (Adapter)	Sound (in Db)	Diffuser Face Return Area (sq. ft.)	Diffuser Face Supply Area (sq. ft.)
					CN-1805-141			
RXRX-AEF2000	2600	17	24	0.49	0.21	30	3.48	3.76
	2800	18	28	0.55	0.24	35	3.48	3.76
	3000	20	30	0.62	0.27	35	3.48	3.76
	3200	22	33	0.69	0.31	40	3.48	3.76
	3400	23	37	0.77	0.34	40	3.48	3.76

DROP CONCENTRIC DIFFUSER PERFORMANCE INFORMATION								
Diffuser Model Number For Rheem	CFM	Minimum Throw (feet)	Maximum Throw (feet)	Static Pressure Drop (Diffuser)	Static Pressure Drop (Adapter)	Sound (in Db)	Diffuser Face Return Area (sq. ft.)	Diffuser Face Supply Area (sq. ft.)
					CN-1805-141			
RXRX-AED2000	2600	22	39	0.34	0.21	32	5.69	3.1
	2800	23	40	0.39	0.24	38	5.69	3.1
	3000	25	42	0.45	0.27	40	5.69	3.1
	3200	26	43	0.53	0.31	41	5.69	3.1
	3400	27	45	0.61	0.34	42	5.69	3.1

Appendix D – Cooling Data for 3 Ton

COOLING PERFORMANCE DATA – (J)GECYR036											
Entering Indoor Air @ 80°F [26.7°C] dbE											
wBE	CFM [L/s]	71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			DR
		1325 [625]	1175 [555]	.09	1325 [625]	1175 [555]	.09	1325 [625]	1175 [555]	.09	
75°F [23.9°C]	Total BTUH [kW] Sens BTUH [kW] Power	44.3 [13] 26 [7.6] 2.2	43.3 [12.7] 24.6 [7.2] 2.2		41.5 [12.2] 29.6 [8.7] 2.3	40.5 [11.9] 27.9 [8.2] 2.2		39.1 [11.5] 33.7 [9.9] 2.2	38.2 [11.2] 31.8 [9.3] 2.2		950 [448] 36.9 [10.8] 28.9 [8.5] 2.2
80°F [26.7°C]	Total BTUH [kW] Sens BTUH [kW] Power	43 [12.6] 25.5 [7.5] 2.4	42 [12.3] 24 [7] 2.3		40.2 [11.8] 29 [8.5] 2.4	39.3 [11.5] 27.4 [8] 2.4		37.8 [11.1] 33.1 [9.7] 2.4	37 [10.8] 31.3 [9.2] 2.3		950 [448] 36.9 [10.8] 28.9 [8.5] 2.2
85°F [29.4°C]	Total BTUH [kW] Sens BTUH [kW] Power	41.7 [12.2] 24.8 [7.3] 2.5	40.7 [11.9] 23.4 [6.9] 2.5		38.8 [11.4] 28.4 [8.3] 2.5	37.9 [11.1] 26.8 [7.9] 2.5		36.5 [10.7] 32.5 [9.5] 2.5	35.7 [10.5] 30.6 [9] 2.5		950 [448] 36.9 [10.8] 28.9 [8.5] 2.2
90°F [32.2°C]	Total BTUH [kW] Sens BTUH [kW] Power	40.2 [11.8] 24.1 [7.1] 2.6	39.3 [11.5] 22.7 [6.7] 2.6		37.4 [11] 27.7 [8.1] 2.6	36.5 [10.7] 26.1 [7.6] 2.6		35 [10.3] 31.7 [9.3] 2.6	34.3 [10.1] 30 [8.8] 2.6		950 [448] 36.9 [10.8] 28.9 [8.5] 2.2
95°F [35.0°C]	Total BTUH [kW] Sens BTUH [kW] Power	38.7 [11.3] 23.3 [6.8] 2.7	37.9 [11.1] 22 [6.4] 2.7		35.9 [10.5] 26.9 [7.9] 2.8	35.1 [10.3] 25.3 [7.4] 2.7		33.5 [9.8] 31 [9.1] 2.8	32.8 [9.6] 29.2 [8.6] 2.7		950 [448] 36.9 [10.8] 28.9 [8.5] 2.2
100°F [37.8°C]	Total BTUH [kW] Sens BTUH [kW] Power	37.2 [10.9] 22.4 [6.6] 2.9	36.3 [10.6] 21.2 [6.2] 2.8		34.3 [10.1] 26 [7.6] 2.9	33.5 [9.8] 24.5 [7.2] 2.9		32 [9.4] 30.1 [8.8] 2.9	31.2 [9.1] 28.4 [8.3] 2.9		950 [448] 36.9 [10.8] 28.9 [8.5] 2.2
105°F [40.6°C]	Total BTUH [kW] Sens BTUH [kW] Power	35.5 [10.4] 21.5 [6.3] 3	34.7 [10.2] 20.3 [5.9] 3		32.7 [9.6] 25 [7.3] 3	31.9 [9.3] 23.6 [6.9] 3		30.3 [8.9] 29.1 [8.5] 3	29.6 [8.7] 27.5 [8.1] 3		950 [448] 36.9 [10.8] 28.9 [8.5] 2.2
110°F [43.3°C]	Total BTUH [kW] Sens BTUH [kW] Power	33.8 [9.9] 20.5 [6] 3.1	33 [9.7] 19.3 [5.7] 3.1		30.9 [9.1] 24 [7] 3.2	30.2 [8.9] 22.7 [6.7] 3.1		28.6 [8.4] 28.1 [8.2] 3.2	27.9 [8.2] 26.5 [7.8] 3.1		950 [448] 36.9 [10.8] 28.9 [8.5] 2.2
115°F [46.1°C]	Total BTUH [kW] Sens BTUH [kW] Power	32 [9.4] 19.4 [5.7] 3.3	31.3 [9.2] 18.3 [5.4] 3.2		29.1 [8.5] 22.9 [6.7] 3.3	28.5 [8.4] 21.6 [6.3] 3.3		26.8 [7.9] 26.8 [7.9] 3.3	26.2 [7.7] 25.5 [7.5] 3.2		950 [448] 36.9 [10.8] 28.9 [8.5] 2.2
120°F [48.9°C]	Total BTUH [kW] Sens BTUH [kW] Power	30.1 [8.8] 18.2 [5.3] 3.4	29.4 [8.6] 17.2 [5] 3.4		27.3 [8] 21.7 [6.4] 3.4	26.7 [7.8] 20.5 [6] 3.4		24.9 [7.3] 24.9 [7.3] 3.4	24.4 [7.2] 24.4 [7.2] 3.4		950 [448] 36.9 [10.8] 28.9 [8.5] 2.2
125°F [51.7°C]	Total BTUH [kW] Sens BTUH [kW] Power	28.2 [8.3] 16.9 [5] 3.5	27.5 [8.1] 16 [4.7] 3.5		25.3 [7.4] 20.5 [6] 3.6	24.8 [7.3] 19.3 [5.7] 3.5		23 [6.7] 23 [6.7] 3.5	22.5 [6.6] 22.5 [6.6] 3.5		950 [448] 36.9 [10.8] 28.9 [8.5] 2.2

Outdoor Dry Bulb Temperature

DR —Depression ratio Total —Total capacity x 1000 BTUH NOTES:
dbE —Entering air dry bulb Sens —Sensible capacity x 1000 BTUH When the entering air dry bulb is other than 80°F [27°C], adjust the sensible
wBE—Entering air wet bulb Power—KW input capacity from the table by adding [1.10 x CFM x (1 – DR) x (dbE – 80)].

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Appendix D – Cooling Data for 4 Ton

COOLING PERFORMANCE DATA – (J)GEYB048												
Entering Indoor Air @ 80°F [26.7°C] dbE												
wB/E	71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			DR		
	1775 [838]	1575 [743]	1275 [602]	1775 [838]	1575 [743]	1275 [602]	1775 [838]	1575 [743]	1275 [602]			
75°F [23.9°C]	57.1 [16.7] 33.2 [9.7] 3.4	55.8 [16.4] 31.4 [9.2] 3.4	53.9 [15.8] 28.6 [8.4] 3.3	54.2 [15.9] 38.6 [11.3] 3.4	53 [15.5] 36.5 [10.7] 3.4	51.2 [15] 33.2 [9.7] 3.3	51.4 [15.1] 44 [12.9] 3.4	50.2 [14.7] 41.5 [12.2] 3.3	48.5 [14.2] 37.8 [11.1] 3.3		1275 [602] .12	
80°F [26.7°C]	55.7 [16.3] 32.4 [9.5] 3.5	54.4 [15.9] 30.6 [9] 3.5	52.5 [15.4] 27.9 [8.2] 3.4	52.8 [15.5] 37.8 [11.1] 3.6	51.6 [15.1] 35.7 [10.5] 3.5	49.9 [14.6] 32.5 [9.5] 3.5	50 [14.7] 43.2 [12.7] 3.5	48.9 [14.3] 40.7 [11.9] 3.5	47.2 [13.8] 37.1 [10.9] 3.4			
85°F [29.4°C]	54.3 [15.9] 31.6 [9.3] 3.7	53.1 [15.6] 29.8 [8.7] 3.6	51.2 [15] 27.2 [8] 3.6	51.4 [15.1] 36.9 [10.8] 3.7	50.3 [14.7] 34.9 [10.2] 3.7	48.5 [14.2] 31.8 [9.3] 3.6	48.6 [14.2] 42.3 [12.4] 3.7	47.5 [13.9] 40 [11.7] 3.6	45.8 [13.4] 36.4 [10.7] 3.6			
90°F [32.2°C]	52.9 [15.5] 30.7 [9] 3.8	51.7 [15.2] 29 [8.5] 3.8	49.9 [14.6] 26.4 [7.7] 3.7	50 [14.7] 36.1 [10.6] 3.8	48.9 [14.3] 34.1 [10] 3.8	47.2 [13.8] 31.1 [9.1] 3.7	47.3 [13.8] 41.5 [12.2] 3.8	46.1 [13.5] 39.2 [11.5] 3.7	44.5 [13] 35.7 [10.5] 3.7			
95°F [35.0°C]	51.5 [15.1] 29.9 [8.8] 3.9	50.3 [14.7] 28.2 [8.3] 3.9	48.6 [14.2] 25.7 [7.5] 3.8	48.6 [14.2] 35.3 [10.3] 4	47.5 [13.9] 33.3 [9.8] 3.9	45.9 [13.5] 30.3 [8.9] 3.9	45.9 [13.5] 40.7 [11.9] 3.9	44.8 [13.1] 38.4 [11.3] 3.9	43.2 [12.7] 35 [10.3] 3.8			
100°F [37.8°C]	50.1 [14.7] 29.1 [8.5] 4.1	49 [14.4] 27.4 [8] 4	47.3 [13.9] 25 [7.3] 4	47.2 [13.8] 34.5 [10.1] 4.1	46.2 [13.5] 32.5 [9.5] 4.1	44.6 [13.1] 29.5 [8.7] 4	44.4 [13] 39.2 [11.7] 4.1	43.4 [12.7] 37.6 [11] 4	41.9 [12.3] 34.3 [10.1] 4			
105°F [40.6°C]	48.7 [14.3] 28.2 [8.3] 4.2	47.6 [14] 26.7 [7.8] 4.2	45.9 [13.5] 24.3 [7.1] 4.1	45.8 [13.4] 33.6 [9.8] 4.2	44.8 [13.1] 31.7 [9.3] 4.2	43.3 [12.7] 28.9 [8.5] 4.1	43 [12.6] 39 [11.4] 4.2	42 [12.3] 36.8 [10.8] 4.2	40.6 [11.9] 33.5 [9.8] 4.1			
110°F [43.3°C]	47.3 [13.9] 27.4 [8] 4.4	46.2 [13.5] 25.9 [7.6] 4.3	44.6 [13.1] 23.8 [6.9] 4.2	44.4 [13] 32.8 [9.6] 4.4	43.4 [12.7] 31 [9.1] 4.3	41.9 [12.3] 28.2 [8.3] 4.3	41.6 [12.2] 38.2 [11.2] 4.3	40.6 [11.9] 36 [10.6] 4.3	39.2 [11.5] 32.8 [9.6] 4.2			
115°F [46.1°C]	45.9 [13.5] 26.6 [7.8] 4.5	44.9 [13.2] 25.1 [7.4] 4.4	43.3 [12.7] 22.9 [6.7] 4.4	43 [12.6] 32 [9.4] 4.5	42.1 [12.3] 30.2 [8.9] 4.5	40.6 [11.9] 27.5 [8.1] 4.4	40.2 [11.8] 37.3 [10.9] 4.5	39.3 [11.5] 35.2 [10.3] 4.4	37.9 [11.1] 32.1 [9.4] 4.4			
120°F [48.9°C]	44.5 [13] 25.7 [7.5] 4.6	43.5 [12.7] 24.3 [7.1] 4.6	42 [12.3] 22.1 [6.5] 4.5	41.6 [12.2] 31.1 [9.1] 4.7	40.7 [11.9] 29.4 [8.6] 4.6	39.3 [11.5] 26.8 [7.9] 4.5	38.8 [11.4] 36.5 [10.7] 4.6	37.9 [11.1] 34.5 [10.1] 4.6	36.6 [10.7] 31.4 [9.2] 4.5			
125°F [51.7°C]	43.1 [12.6] 24.9 [7.3] 4.8	42.1 [12.3] 23.5 [6.9] 4.7	40.7 [11.9] 21.4 [6.3] 4.6	40.2 [11.8] 30.3 [8.9] 4.8	39.3 [11.5] 28.6 [8.4] 4.7	38 [11.1] 26.1 [7.6] 4.7	37.4 [11] 35.7 [10.5] 4.8	36.5 [10.7] 33.7 [9.9] 4.7	35.3 [10.3] 30.7 [9] 4.6			

Outdoor Dry Bulb Temperature

DR —Depression ratio Total —Total capacity x 1000 BTUH NOTES:
dbE —Entering air dry bulb Sens —Sensible capacity x 1000 BTUH When the entering air dry bulb is other than 80°F [27°C], adjust the sensible
wbE—Entering air wet bulb Power—KW input capacity from the table by adding [1.10 x CFM x (1 – DR) x (dbE – 80)].

Appendix D – Cooling Data for 5 Ton

COOLING PERFORMANCE DATA – (JGECYB060)												
Entering Indoor Air @ 80°F [26.7°C] dbE												
wBE	CFW [L/s]	71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			DR	Power
		2200 [1038]	1825 [861]	1600 [755]	2200 [1038]	1825 [861]	1600 [755]	2200 [1038]	1825 [861]	1600 [755]		
75°F [23.9°C]		.05	.09	.12	.05	.09	.12	.05	.09	.12		
Total BTUH [kW] Sens BTUH [kW] Power	75°F [23.9°C]	72.1 [21.1]	69.5 [20.4]	67.9 [19.9]	68.4 [20]	66 [19.3]	64.5 [18.9]	64.9 [19]	62.6 [18.3]	61.1 [17.9]		4.1
		43.2 [12.7]	39.4 [11.5]	37.2 [10.9]	48.5 [14.2]	44.2 [13]	41.7 [12.2]	53.9 [15.8]	49.2 [14.4]	46.3 [13.6]		
Total BTUH [kW] Sens BTUH [kW] Power	80°F [26.7°C]	70.4 [20.6]	67.9 [19.9]	66.4 [19.5]	66.8 [19.6]	64.4 [18.9]	62.9 [18.4]	63.2 [18.5]	60.9 [17.8]	59.6 [17.5]		4.3
		42.4 [12.4]	38.7 [11.3]	36.5 [10.7]	47.7 [14]	43.5 [12.7]	41 [12]	53.1 [15.6]	48.4 [14.2]	45.6 [13.4]		
Total BTUH [kW] Sens BTUH [kW] Power	85°F [29.4°C]	68.6 [20.1]	66.1 [19.4]	64.7 [19]	64.9 [19]	62.6 [18.3]	61.2 [17.9]	61.4 [18]	59.2 [17.4]	57.9 [17]		4.6
		41.5 [12.2]	37.9 [11.1]	35.7 [10.5]	46.7 [13.7]	42.7 [12.5]	40.2 [11.8]	52.1 [15.3]	47.6 [14]	44.8 [13.1]		
Total BTUH [kW] Sens BTUH [kW] Power	90°F [32.2°C]	66.7 [19.5]	64.3 [18.8]	62.8 [18.4]	63 [18.5]	60.7 [17.8]	59.4 [17.4]	59.5 [17.4]	57.3 [16.8]	56 [16.4]		4.8
		40.4 [11.8]	36.9 [10.8]	34.7 [10.2]	45.6 [13.4]	41.7 [12.2]	39.3 [11.5]	51 [14.9]	46.6 [13.7]	43.9 [12.9]		
Total BTUH [kW] Sens BTUH [kW] Power	95°F [35.0°C]	64.6 [18.9]	62.2 [18.2]	60.8 [17.8]	60.9 [17.8]	58.7 [17.2]	57.4 [16.8]	57.4 [16.8]	55.3 [16.2]	54.1 [15.9]		5
		39.2 [11.5]	35.7 [10.5]	33.7 [9.9]	44.4 [13]	40.5 [11.9]	38.2 [11.2]	49.8 [14.6]	45.4 [13.3]	42.8 [12.5]		
Total BTUH [kW] Sens BTUH [kW] Power	100°F [37.8°C]	62.3 [18.3]	60.1 [17.6]	58.7 [17.2]	58.7 [17.2]	56.6 [16.6]	55.3 [16.2]	55.1 [16.1]	53.1 [15.6]	52 [15.2]		5.2
		37.8 [11.1]	34.5 [10.1]	32.5 [9.5]	43 [12.6]	39.3 [11.5]	37 [10.8]	48.4 [14.2]	44.2 [13]	41.6 [12.2]		
Total BTUH [kW] Sens BTUH [kW] Power	105°F [40.6°C]	60 [17.6]	57.8 [16.9]	56.5 [16.6]	56.3 [16.5]	54.3 [15.9]	53.1 [15.6]	52.8 [15.5]	50.9 [14.9]	49.7 [14.6]		5.5
		36.2 [10.6]	33.1 [9.7]	31.2 [9.1]	41.5 [12.2]	37.9 [11.1]	35.7 [10.5]	46.9 [13.7]	42.8 [12.5]	40.3 [11.8]		
Total BTUH [kW] Sens BTUH [kW] Power	110°F [43.3°C]	57.5 [16.9]	55.4 [16.2]	54.2 [15.9]	53.8 [15.8]	51.9 [15.2]	50.7 [14.9]	50.3 [14.7]	48.4 [14.2]	47.4 [13.9]		5.7
		34.6 [10.1]	31.5 [9.2]	29.7 [8.7]	39.8 [11.7]	36.3 [10.6]	34.2 [10]	45.2 [13.2]	41.2 [12.1]	38.9 [11.4]		
Total BTUH [kW] Sens BTUH [kW] Power	115°F [46.1°C]	54.8 [16.1]	52.8 [15.5]	51.7 [15.2]	51.2 [15]	49.3 [14.4]	48.2 [14.1]	47.6 [14]	45.9 [13.5]	44.9 [13.2]		5.9
		32.7 [9.6]	29.9 [8.8]	28.2 [8.3]	38 [11.1]	34.7 [10.2]	32.7 [9.6]	43.4 [12.7]	39.6 [11.6]	37.3 [10.9]		
Total BTUH [kW] Sens BTUH [kW] Power	120°F [48.9°C]	52 [15.2]	50.2 [14.7]	49 [14.4]	48.4 [14.2]	46.6 [13.7]	45.6 [13.4]	44.8 [13.1]	43.2 [12.7]	42.2 [12.4]		6.2
		30.8 [9]	28.1 [8.2]	26.5 [7.8]	36 [10.6]	32.9 [9.6]	31 [9.1]	41.4 [12.1]	37.8 [11.1]	35.6 [10.4]		
Total BTUH [kW] Sens BTUH [kW] Power	125°F [51.7°C]	49.1 [14.4]	47.3 [13.9]	46.3 [13.6]	45.4 [13.3]	43.8 [12.8]	42.8 [12.5]	41.9 [12.3]	40.4 [11.8]	39.5 [11.6]		6.4
		28.6 [8.4]	26.1 [7.6]	24.6 [7.2]	33.9 [9.9]	30.9 [9.1]	29.2 [8.6]	39.3 [11.5]	35.8 [10.5]	33.8 [9.9]		

Outdoor Dry Bulb Temperature

DR —Depression ratio Total — Total capacity x 1000 BTUH NOTES:
dbE —Entering air dry bulb Sens —Sensible capacity x 1000 BTUH When the entering air dry bulb is other than 80°F [27°C], adjust the sensible
wBE—Entering air wet bulb Power—KW input capacity from the table by adding [1.10 x CFM x (1 – DR) x (dbE – 80)].

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Appendix D – Cooling Data for 6 Ton

COOLING PERFORMANCE DATA – (-) GECYB072												
Entering Indoor Air @ 80°F [26.7°C] dbE												
wBE	CFM [L/s]	DR	71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
			2525 [1192]	2400 [1133]	1825 [861]	2525 [1192]	2400 [1133]	1825 [861]	2525 [1192]	2400 [1133]	1825 [861]	
75°F [23.9°C]	Total BTUH [kW] Sens BTUH [kW] Power		79.7 [23.4] 44.6 [13.1] 4.8	78.9 [23.1] 43.5 [12.7] 4.8	75.5 [22.1] 38.6 [11.3] 4.7	73.8 [21.6] 49.7 [14.6] 4.7	73.1 [21.4] 48.5 [14.2] 4.7	70 [20.5] 43.1 [12.6] 4.6	68 [19.9] 54.9 [16.1] 4.9	67.4 [19.8] 53.6 [15.7] 4.8	64.4 [18.9] 47.6 [14] 4.7	
80°F [26.7°C]	Total BTUH [kW] Sens BTUH [kW] Power		78.2 [22.9] 44.4 [13] 5.2	77.4 [22.7] 43.4 [12.7] 5.1	74.1 [21.7] 38.5 [11.3] 5	72.3 [21.2] 49.6 [14.5] 5.1	71.6 [21] 48.4 [14.2] 5	68.5 [20.1] 43 [12.6] 4.9	66.5 [19.5] 54.7 [16] 5.2	65.9 [19.3] 53.4 [15.7] 5.2	63 [18.5] 47.5 [13.9] 5.1	
85°F [29.4°C]	Total BTUH [kW] Sens BTUH [kW] Power		76.6 [22.5] 44.3 [13] 5.5	75.9 [22.2] 43.2 [12.7] 5.5	72.6 [21.3] 38.4 [11.3] 5.4	70.8 [20.8] 49.4 [14.5] 5.4	70.1 [20.5] 48.3 [14.2] 5.4	67.1 [19.7] 42.9 [12.6] 5.2	65 [19.1] 54.6 [16] 5.5	64.4 [18.9] 53.3 [15.6] 5.5	61.6 [18.1] 47.4 [13.9] 5.4	
90°F [32.2°C]	Total BTUH [kW] Sens BTUH [kW] Power		75.1 [22] 44.2 [13] 5.8	74.4 [21.8] 43.1 [12.6] 5.8	71.3 [20.9] 38.3 [11.2] 5.7	69.3 [20.3] 49.3 [14.4] 5.7	68.6 [20.1] 48.1 [14.1] 5.7	65.7 [19.3] 42.8 [12.5] 5.6	63.5 [18.6] 54.5 [16] 5.8	62.9 [18.4] 53.2 [15.6] 5.8	60.1 [17.6] 47.2 [13.8] 5.7	
95°F [35.0°C]	Total BTUH [kW] Sens BTUH [kW] Power		73.6 [21.6] 44 [12.9] 6.1	72.9 [21.4] 43 [12.6] 6.1	69.8 [20.5] 38.2 [11.2] 6	67.8 [19.9] 49.2 [14.4] 6	67.1 [19.7] 48 [14.1] 6	64.2 [18.8] 42.6 [12.5] 5.9	61.9 [18.1] 54.3 [15.9] 6.2	61.4 [18] 53 [15.5] 6.1	58.7 [17.2] 47.1 [13.8] 6	
100°F [37.8°C]	Total BTUH [kW] Sens BTUH [kW] Power		72.1 [21.1] 43.9 [12.9] 6.5	71.4 [20.9] 42.8 [12.5] 6.4	68.3 [20] 38 [11.1] 6.3	66.3 [19.4] 49 [14.4] 6.4	65.6 [19.2] 47.9 [14] 6.3	62.8 [18.4] 42.5 [12.5] 6.2	60.4 [17.7] 54.2 [15.9] 6.5	59.9 [17.6] 52.9 [15.5] 6.4	57.3 [16.8] 47 [13.8] 6.3	
105°F [40.6°C]	Total BTUH [kW] Sens BTUH [kW] Power		70.6 [20.7] 43.7 [12.8] 6.8	69.9 [20.5] 42.7 [12.5] 6.7	66.9 [19.6] 37.9 [11.1] 6.6	64.8 [19] 48.9 [14.3] 6.7	64.1 [18.8] 47.7 [14] 6.6	61.4 [18] 42.4 [12.4] 6.5	58.9 [17.3] 54 [15.8] 6.8	58.4 [17.1] 52.8 [15.5] 6.8	55.8 [16.4] 46.9 [13.7] 6.6	
110°F [43.3°C]	Total BTUH [kW] Sens BTUH [kW] Power		69.1 [20.3] 43.6 [12.8] 7.1	68.4 [20] 42.6 [12.5] 7.1	65.4 [19.2] 37.8 [11.1] 6.9	63.2 [18.5] 48.7 [14.3] 7	62.6 [18.3] 47.6 [14] 7	59.9 [17.6] 42.3 [12.4] 6.8	57.4 [16.8] 53.9 [15.8] 7.1	56.9 [16.7] 52.6 [15.4] 7.1	54.4 [15.9] 46.7 [13.7] 6.9	
115°F [46.1°C]	Total BTUH [kW] Sens BTUH [kW] Power		67.6 [19.8] 43.4 [12.7] 7.4	66.9 [19.6] 42.4 [12.4] 7.4	64 [18.8] 37.7 [11] 7.2	61.7 [18.1] 48.6 [14.2] 7.3	61.1 [17.9] 47.5 [13.9] 7.3	58.5 [17.1] 42.1 [12.3] 7.1	55.9 [16.4] 53.8 [15.8] 7.4	55.4 [16.2] 52.5 [15.4] 7.4	53 [15.5] 46.6 [13.7] 7.2	
120°F [48.9°C]	Total BTUH [kW] Sens BTUH [kW] Power		66 [19.3] 43.3 [12.7] 7.7	65.4 [19.2] 42.3 [12.4] 7.7	62.6 [18.3] 37.6 [11] 7.5	60.2 [17.6] 48.5 [14.2] 7.6	59.6 [17.5] 47.3 [13.9] 7.6	57 [16.7] 42 [12.3] 7.4	54.4 [15.9] 53.6 [15.7] 7.8	53.9 [15.8] 52.4 [15.4] 7.7	51.5 [15.1] 46.5 [13.6] 7.6	
125°F [51.7°C]	Total BTUH [kW] Sens BTUH [kW] Power		64.5 [18.9] 43.2 [12.7] 8.1	63.9 [18.7] 42.1 [12.3] 8	61.1 [17.9] 37.4 [11] 7.9	58.7 [17.2] 48.3 [14.2] 8	58.1 [17] 47.2 [13.8] 7.9	55.6 [16.3] 41.9 [12.3] 7.8	52.9 [15.5] 52.9 [15.5] 8.1	52.4 [15.4] 52.2 [15.3] 8	50.1 [14.7] 46.4 [13.6] 7.9	

Outdoor Dry Bulb Temperature

DR —Depression ratio Total —Total capacity x 1000 BTUH NOTES:
dbE —Entering air dry bulb Sens —Sensible capacity x 1000 BTUH When the entering air dry bulb is other than 80°F [27°C], adjust the sensible
wBE—Entering air wet bulb Power—KW input capacity from the table by adding [1.10 x CFM x (1 – DR) x (dbE – 80)].

Appendix D – Reheat Data for 3 Ton

GROSS SYSTEMS PERFORMANCE DATA (HIGH REHEAT MODE) – (-)GECYB036											
Entering Indoor Air @ 75°F [23.9°C] dbE 1											
wbE		65.3°F [18.5°C]			64°F [17.8°C]			62.5°F [16.9°C]			
CFM [L/s]		1350 [637]	1168 [551]	1050 [496]	1350 [637]	1168 [551]	1050 [496]	1350 [637]	1168 [551]	1050 [496]	
Outdoor Dry Bulb Temperature	60°F [15.6°C]										
		Total BTUH [kW]	18.7 [5.5]	18.1 [5.3]	17.8 [5.2]	18.4 [5.4]	17.9 [5.3]	17.6 [5.2]	17.3 [5.1]	16.8 [4.9]	16.5 [4.8]
		Sens BTUH [kW]	2.8 [0.8]	2.6 [0.8]	2.5 [0.7]	4.7 [1.4]	4.4 [1.3]	4.2 [1.2]	5.9 [1.7]	5.5 [1.6]	5.3 [1.5]
		Power	2	2	2	2	2	2	2.1	2	2
	70°F [21.1°C]										
		Total BTUH [kW]	16.9 [5]	16.5 [4.8]	16.2 [4.7]	16.7 [4.9]	16.3 [4.8]	16 [4.7]	15.6 [4.6]	15.2 [4.4]	14.9 [4.4]
		Sens BTUH [kW]	1.8 [0.5]	1.7 [0.5]	1.6 [0.5]	3.7 [1.1]	3.5 [1]	3.3 [1]	4.9 [1.4]	4.6 [1.3]	4.4 [1.3]
		Power	2.1	2	2	2.1	2	2	2.1	2.1	2
	80°F [26.7°C]										
		Total BTUH [kW]	15 [4.4]	14.6 [4.3]	14.3 [4.2]	14.8 [4.3]	14.4 [4.2]	14.1 [4.1]	13.7 [4]	13.3 [3.9]	13 [3.8]
		Sens BTUH [kW]	0.4 [0.1]	0.4 [0.1]	0.4 [0.1]	2.4 [0.7]	2.2 [0.7]	2.1 [0.6]	3.6 [1.1]	3.3 [1]	3.2 [0.9]
		Power	2.2	2.1	2.1	2.2	2.1	2.1	2.2	2.2	2.1
	90°F [32.2°C]										
		Total BTUH [kW]	12.8 [3.8]	12.5 [3.7]	12.3 [3.6]	12.6 [3.7]	12.3 [3.6]	12 [3.5]	11.5 [3.4]	11.2 [3.3]	11 [3.2]
		Sens BTUH [kW]	-1.2 [-0.4]	-1.2 [-0.3]	-1.1 [-0.3]	0.7 [0.2]	0.7 [0.2]	0.6 [0.2]	1.9 [0.6]	1.8 [0.5]	1.7 [0.5]
		Power	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
	100°F [37.8°C]										
		Total BTUH [kW]	10.4 [3.1]	10.1 [3]	10 [2.9]	10.2 [3]	9.9 [2.9]	9.8 [2.9]	9.1 [2.7]	8.8 [2.6]	8.7 [2.5]
		Sens BTUH [kW]	-3.2 [-0.9]	-3 [-0.9]	-2.9 [-0.8]	-1.3 [-0.4]	-1.2 [-0.4]	-1.1 [-0.3]	-0.1 [0]	-0.1 [0]	-0.1 [0]
		Power	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	110°F [43.3°C]										
Total BTUH [kW]		7.8 [2.3]	7.6 [2.2]	7.4 [2.2]	7.6 [2.2]	7.4 [2.2]	7.2 [2.1]	6.5 [1.9]	6.3 [1.8]	6.2 [1.8]	
Sens BTUH [kW]		-5.6 [-1.6]	-5.2 [-1.5]	-5 [-1.5]	-3.6 [-1.1]	-3.4 [-1]	-3.2 [-0.9]	-2.4 [-0.7]	-2.3 [-0.7]	-2.1 [-0.6]	
Power		2.8	2.7	2.7	2.8	2.7	2.7	2.8	2.8	2.7	
120°F [48.9°C]											
	Total BTUH [kW]	4.9 [1.4]	4.8 [1.4]	4.7 [1.4]	4.7 [1.4]	4.6 [1.3]	4.5 [1.3]	3.6 [1.1]	3.5 [1]	3.4 [1]	
	Sens BTUH [kW]	-8.2 [-2.4]	-7.7 [-2.3]	-7.3 [-2.1]	-6.3 [-1.8]	-5.9 [-1.7]	-5.6 [-1.6]	-5.1 [-1.5]	-4.7 [-1.4]	-4.5 [-1.3]	
	Power	3.1	3.1	3	3.1	3	3	3.1	3.1	3	

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Appendix D – Reheat Data for 4 Ton

GROSS SYSTEMS PERFORMANCE DATA (HIGH REHEAT MODE) – (-)GECYB048											
Entering Indoor Air @ 75°F [23.9°C] dbE 1											
wbE		65.3°F [18.5°C]			64°F [17.8°C]			62.5°F [16.9°C]			
CFM [L/s]		1800 [850]	1519 [717]	1400 [661]	1800 [850]	1519 [717]	1400 [661]	1800 [850]	1519 [717]	1400 [661]	
Outdoor Dry Bulb Temperature	60°F [15.6°C]										
		Total BTUH [kW]	25.5 [7.5]	24.7 [7.2]	24.3 [7.1]	24.3 [7.1]	23.5 [6.9]	23.2 [6.8]	22.6 [6.6]	21.8 [6.4]	21.5 [6.3]
		Sens BTUH [kW]	2.6 [0.8]	2.4 [0.7]	2.3 [0.7]	5.2 [1.5]	4.8 [1.4]	4.6 [1.4]	6.7 [2]	6.1 [1.8]	5.9 [1.7]
		Power	2.5	2.4	2.4	2.5	2.5	2.5	2.4	2.4	2.4
	70°F [21.1°C]										
		Total BTUH [kW]	24.1 [7.1]	23.3 [6.8]	23 [6.7]	22.9 [6.7]	22.2 [6.5]	21.8 [6.4]	21.2 [6.2]	20.5 [6]	20.2 [5.9]
		Sens BTUH [kW]	1.9 [0.6]	1.8 [0.5]	1.7 [0.5]	4.5 [1.3]	4.2 [1.2]	4 [1.2]	6 [1.8]	5.5 [1.6]	5.3 [1.6]
		Power	2.6	2.5	2.5	2.7	2.6	2.6	2.6	2.5	2.5
	80°F [26.7°C]										
		Total BTUH [kW]	22.1 [6.5]	21.4 [6.3]	21.1 [6.2]	20.9 [6.1]	20.2 [5.9]	20 [5.8]	19.2 [5.6]	18.6 [5.4]	18.3 [5.4]
		Sens BTUH [kW]	0.4 [0.1]	0.4 [0.1]	0.4 [0.1]	3 [0.9]	2.8 [0.8]	2.7 [0.8]	4.5 [1.3]	4.1 [1.2]	4 [1.2]
		Power	2.8	2.7	2.7	2.8	2.8	2.8	2.7	2.7	2.7
	90°F [32.2°C]										
		Total BTUH [kW]	19.5 [5.7]	18.9 [5.5]	18.6 [5.5]	18.3 [5.4]	17.7 [5.2]	17.5 [5.1]	16.6 [4.9]	16.1 [4.7]	15.8 [4.6]
		Sens BTUH [kW]	-1.9 [-0.5]	-1.7 [-0.5]	-1.7 [-0.5]	0.7 [0.2]	0.7 [0.2]	0.6 [0.2]	2.2 [0.6]	2 [0.6]	1.9 [0.6]
		Power	3	2.9	2.9	3	3	3	3	2.9	2.9
	100°F [37.8°C]										
		Total BTUH [kW]	16.4 [4.8]	15.8 [4.6]	15.6 [4.6]	15.2 [4.4]	14.7 [4.3]	14.5 [4.2]	13.4 [3.9]	13 [3.8]	12.8 [3.8]
Sens BTUH [kW]		-5 [-1.5]	-4.6 [-1.4]	-4.4 [-1.3]	-2.4 [-0.7]	-2.2 [-0.7]	-2.1 [-0.6]	-0.9 [-0.3]	-0.9 [-0.3]	-0.8 [-0.2]	
Power		3.3	3.2	3.2	3.3	3.3	3.3	3.2	3.2	3.2	
110°F [43.3°C]											
	Total BTUH [kW]	12.6 [3.7]	12.2 [3.6]	12 [3.5]	11.4 [3.3]	11 [3.2]	10.9 [3.2]	9.7 [2.8]	9.4 [2.7]	9.2 [2.7]	
	Sens BTUH [kW]	-9 [-2.6]	-8.3 [-2.4]	-8 [-2.3]	-6.4 [-1.9]	-5.9 [-1.7]	-5.6 [-1.7]	-4.9 [-1.4]	-4.5 [-1.3]	-4.3 [-1.3]	
	Power	3.6	3.6	3.5	3.7	3.6	3.6	3.6	3.5	3.5	
120°F [48.9°C]											
	Total BTUH [kW]	8.2 [2.4]	8 [2.3]	7.9 [2.3]	7.1 [2.1]	6.8 [2]	6.7 [2]	5.3 [1.6]	5.2 [1.5]	5.1 [1.5]	
	Sens BTUH [kW]	-13.7 [-4]	-12.7 [-3.7]	-12.2 [-3.6]	-11.1 [-3.3]	-10.3 [-3]	-9.9 [-2.9]	-9.7 [-2.8]	-8.9 [-2.6]	-8.6 [-2.5]	
	Power	4	4	3.9	4.1	4	4	4	3.9	3.9	

Appendix D – Reheat Data for 5 Ton

GROSS SYSTEMS PERFORMANCE DATA (HIGH REHEAT MODE) – (-)GECYB060											
Entering Indoor Air @ 75°F [23.9°C] dbE 1											
wbE		65.3°F [18.5°C]			64°F [17.8°C]			62.5°F [16.9°C]			
CFM [L/s]		2250 [1062]	1825 [861]	1750 [826]	2250 [1062]	1825 [861]	1750 [826]	2250 [1062]	1825 [861]	1750 [826]	
Outdoor Dry Bulb Temperature	60°F [15.6°C]	Total BTUH [kW]	29.1 [8.5]	27.9 [8.2]	27.7 [8.1]	28.5 [8.3]	27.3 [8]	27.1 [7.9]	26.6 [7.8]	25.5 [7.5]	25.3 [7.4]
		Sens BTUH [kW]	1.9 [0.5]	1.7 [0.5]	1.7 [0.5]	5.1 [1.5]	4.6 [1.3]	4.5 [1.3]	7.9 [2.3]	7.1 [2.1]	7 [2.1]
		Power	3.5	3.5	3.5	3.5	3.5	3.4	3.5	3.5	3.5
	70°F [21.1°C]	Total BTUH [kW]	27.5 [8]	26.3 [7.7]	26.2 [7.7]	26.8 [7.9]	25.7 [7.5]	25.5 [7.5]	24.9 [7.3]	23.9 [7]	23.7 [7]
		Sens BTUH [kW]	0.6 [0.2]	0.6 [0.2]	0.6 [0.2]	3.8 [1.1]	3.4 [1]	3.4 [1]	6.7 [2]	6 [1.8]	5.9 [1.7]
		Power	3.6	3.6	3.6	3.6	3.6	3.5	3.6	3.6	3.6
	80°F [26.7°C]	Total BTUH [kW]	25.2 [7.4]	24.2 [7.1]	24 [7]	24.5 [7.2]	23.5 [6.9]	23.4 [6.8]	22.6 [6.6]	21.7 [6.4]	21.6 [6.3]
		Sens BTUH [kW]	-1.2 [-0.4]	-1.1 [-0.3]	-1.1 [-0.3]	2 [0.6]	1.8 [0.5]	1.8 [0.5]	4.8 [1.4]	4.4 [1.3]	4.3 [1.3]
		Power	3.8	3.8	3.7	3.8	3.7	3.7	3.8	3.8	3.7
	90°F [32.2°C]	Total BTUH [kW]	22.3 [6.5]	21.4 [6.3]	21.2 [6.2]	21.6 [6.3]	20.8 [6.1]	20.6 [6]	19.7 [5.8]	18.9 [5.5]	18.8 [5.5]
		Sens BTUH [kW]	-3.6 [-1.1]	-3.3 [-1]	-3.2 [-0.9]	-0.4 [-0.1]	-0.4 [-0.1]	-0.4 [-0.1]	2.4 [0.7]	2.2 [0.6]	2.1 [0.6]
		Power	4.1	4	4	4.1	4	4	4.1	4	4
	100°F [37.8°C]	Total BTUH [kW]	18.7 [5.5]	18 [5.3]	17.8 [5.2]	18.1 [5.3]	17.4 [5.1]	17.2 [5.1]	16.2 [4.7]	15.5 [4.6]	15.4 [4.5]
		Sens BTUH [kW]	-6.7 [-1.9]	-6 [-1.8]	-5.9 [-1.7]	-3.5 [-1]	-3.1 [-0.9]	-3.1 [-0.9]	-0.6 [-0.2]	-0.6 [-0.2]	-0.5 [-0.2]
		Power	4.5	4.4	4.4	4.5	4.4	4.4	4.5	4.4	4.4
	110°F [43.3°C]	Total BTUH [kW]	14.6 [4.3]	14 [4.1]	13.9 [4.1]	13.9 [4.1]	13.4 [3.9]	13.3 [3.9]	12 [3.5]	11.6 [3.4]	11.5 [3.4]
		Sens BTUH [kW]	-10.3 [-3]	-9.3 [-2.7]	-9.1 [-2.7]	-7.1 [-2.1]	-6.4 [-1.9]	-6.2 [-1.8]	-4.2 [-1.2]	-3.8 [-1.1]	-3.7 [-1.1]
		Power	5	4.9	4.9	5	4.9	4.8	5	4.9	4.9
	120°F [48.9°C]	Total BTUH [kW]	9.8 [2.9]	9.4 [2.8]	9.3 [2.7]	9.2 [2.7]	8.8 [2.6]	8.7 [2.6]	7.3 [2.1]	7 [2]	6.9 [2]
		Sens BTUH [kW]	-14.5 [-4.2]	-13 [-3.8]	-12.8 [-3.7]	-11.3 [-3.3]	-10.2 [-3]	-10 [-2.9]	-8.4 [-2.5]	-7.6 [-2.2]	-7.4 [-2.2]
		Power	5.6	5.4	5.4	5.5	5.4	5.4	5.5	5.4	5.4

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Appendix D – Reheat Data for 6 Ton

GROSS SYSTEMS PERFORMANCE DATA (LOW REHEAT MODE) – (-)GECYB072											
Entering Indoor Air @ 75°F [23.9°C] dbE 1											
wbE		65.3°F [18.5°C]			64°F [17.8°C]			62.5°F [16.9°C]			
CFM [L/s]		1710 [807]	1523 [719]	1330 [628]	1710 [807]	1523 [719]	1330 [628]	1710 [807]	1523 [719]	1330 [628]	
Outdoor Dry Bulb Temperature	60°F [15.6°C]										
		Total BTUH [kW]	35.8 [10.5]	35 [10.3]	34.2 [10]	32.5 [9.5]	31.8 [9.3]	31 [9.1]	31.4 [9.2]	30.7 [9]	30 [8.8]
		Sens BTUH [kW]	12.8 [3.7]	12.1 [3.5]	11.4 [3.3]	12.6 [3.7]	12 [3.5]	11.3 [3.3]	16.2 [4.8]	15.3 [4.5]	14.4 [4.2]
		Power	2.3	2.2	2.2	2.3	2.3	2.3	2.2	2.2	2.2
	70°F [21.1°C]										
		Total BTUH [kW]	34.3 [10.1]	33.6 [9.8]	32.8 [9.6]	31 [9.1]	30.3 [8.9]	29.6 [8.7]	30 [8.8]	29.3 [8.6]	28.6 [8.4]
		Sens BTUH [kW]	11.5 [3.4]	10.8 [3.2]	10.2 [3]	11.3 [3.3]	10.7 [3.1]	10.1 [3]	14.9 [4.4]	14.1 [4.1]	13.3 [3.9]
		Power	2.4	2.4	2.4	2.5	2.4	2.4	2.4	2.3	2.3
	80°F [26.7°C]										
		Total BTUH [kW]	32.6 [9.6]	31.9 [9.4]	31.2 [9.1]	29.4 [8.6]	28.7 [8.4]	28.1 [8.2]	28.3 [8.3]	27.7 [8.1]	27 [7.9]
		Sens BTUH [kW]	10 [2.9]	9.4 [2.8]	8.9 [2.6]	9.8 [2.9]	9.3 [2.7]	8.8 [2.6]	13.4 [3.9]	12.7 [3.7]	11.9 [3.5]
		Power	2.6	2.6	2.5	2.6	2.6	2.6	2.5	2.5	2.5
	90°F [32.2°C]										
		Total BTUH [kW]	30.8 [9]	30.1 [8.8]	29.4 [8.6]	27.5 [8.1]	26.9 [7.9]	26.3 [7.7]	26.4 [7.7]	25.8 [7.6]	25.2 [7.4]
		Sens BTUH [kW]	8.3 [2.4]	7.9 [2.3]	7.4 [2.2]	8.2 [2.4]	7.7 [2.3]	7.3 [2.1]	11.8 [3.4]	11.1 [3.3]	10.5 [3.1]
		Power	2.8	2.8	2.7	2.8	2.8	2.8	2.7	2.7	2.7
	100°F [37.8°C]										
		Total BTUH [kW]	28.7 [8.4]	28.1 [8.2]	27.4 [8]	25.4 [7.4]	24.8 [7.3]	24.3 [7.1]	24.3 [7.1]	23.8 [7]	23.3 [6.8]
		Sens BTUH [kW]	6.5 [1.9]	6.1 [1.8]	5.8 [1.7]	6.4 [1.9]	6 [1.8]	5.7 [1.7]	10 [2.9]	9.4 [2.8]	8.9 [2.6]
		Power	3	2.9	2.9	3	3	2.9	2.9	2.9	2.9
	110°F [43.3°C]										
		Total BTUH [kW]	26.4 [7.7]	25.8 [7.6]	25.2 [7.4]	23.1 [6.8]	22.6 [6.6]	22.1 [6.5]	22 [6.5]	21.6 [6.3]	21.1 [6.2]
		Sens BTUH [kW]	4.5 [1.3]	4.3 [1.3]	4 [1.2]	4.4 [1.3]	4.2 [1.2]	3.9 [1.1]	8 [2.3]	7.5 [2.2]	7.1 [2.1]
		Power	3.2	3.1	3.1	3.2	3.2	3.1	3.1	3.1	3.1
	120°F [48.9°C]										
		Total BTUH [kW]	23.9 [7]	23.4 [6.9]	22.8 [6.7]	20.6 [6]	20.2 [5.9]	19.7 [5.8]	19.6 [5.7]	19.1 [5.6]	18.7 [5.5]
		Sens BTUH [kW]	2.4 [0.7]	2.2 [0.7]	2.1 [0.6]	2.2 [0.7]	2.1 [0.6]	2 [0.6]	5.8 [1.7]	5.5 [1.6]	5.2 [1.5]
		Power	3.4	3.3	3.3	3.4	3.4	3.3	3.3	3.3	3.3

GROSS SYSTEMS PERFORMANCE DATA (HIGH REHEAT MODE) – (-)GECYB072											
Entering Indoor Air @ 75°F [23.9°C] dbE 1											
wbE		65.3°F [18.5°C]			64°F [17.8°C]			62.5°F [16.9°C]			
CFM [L/s]		2700 [1274]	2404 [1135]	2100 [991]	2700 [1274]	2404 [1135]	2100 [991]	2700 [1274]	2404 [1135]	2100 [991]	
Outdoor Dry Bulb Temperature	60°F [15.6°C]										
		Total BTUH [kW]	44.6 [13.1]	43.6 [12.8]	42.6 [12.5]	43 [12.6]	42.1 [12.3]	41.1 [12.1]	39.3 [11.5]	38.4 [11.3]	37.5 [11.1]
		Sens BTUH [kW]	13.3 [3.9]	12.6 [3.7]	11.8 [3.5]	15.5 [4.5]	14.7 [4.3]	13.8 [4]	20.2 [5.9]	19.1 [5.6]	18 [5.3]
		Power	3.8	3.7	3.7	3.7	3.7	3.6	3.7	3.6	3.6
	70°F [21.1°C]										
		Total BTUH [kW]	42.4 [12.4]	41.5 [12.2]	40.6 [11.9]	40.9 [12]	40 [11.7]	39.1 [11.5]	37.1 [10.9]	36.3 [10.6]	35.5 [10.4]
		Sens BTUH [kW]	11.3 [3.3]	10.7 [3.1]	10.1 [3]	13.6 [4]	12.8 [3.8]	12.1 [3.5]	18.3 [5.4]	17.3 [5.1]	16.3 [4.8]
		Power	3.9	3.9	3.8	3.9	3.8	3.8	3.8	3.8	3.7
	80°F [26.7°C]										
		Total BTUH [kW]	38.9 [11.4]	38.1 [11.2]	37.2 [10.9]	37.4 [11]	36.6 [10.7]	35.7 [10.5]	33.6 [9.9]	32.9 [9.6]	32.1 [9.4]
		Sens BTUH [kW]	8.2 [2.4]	7.8 [2.3]	7.3 [2.1]	10.4 [3.1]	9.9 [2.9]	9.3 [2.7]	15.1 [4.4]	14.3 [4.2]	13.5 [4]
		Power	4.2	4.1	4.1	4.1	4.1	4.1	4.1	4	4
	90°F [32.2°C]										
		Total BTUH [kW]	34.1 [10]	33.3 [9.8]	32.6 [9.5]	32.5 [9.5]	31.8 [9.3]	31.1 [9.1]	28.8 [8.4]	28.1 [8.2]	27.5 [8.1]
		Sens BTUH [kW]	3.9 [1.1]	3.7 [1.1]	3.5 [1]	6.1 [1.8]	5.8 [1.7]	5.5 [1.6]	10.8 [3.2]	10.2 [3]	9.6 [2.8]
		Power	4.5	4.5	4.4	4.5	4.5	4.4	4.4	4.4	4.4
	100°F [37.8°C]										
		Total BTUH [kW]	27.8 [8.2]	27.2 [8]	26.6 [7.8]	26.3 [7.7]	25.7 [7.5]	25.1 [7.4]	22.5 [6.6]	22 [6.5]	21.5 [6.3]
		Sens BTUH [kW]	-1.6 [-0.5]	-1.5 [-0.4]	-1.4 [-0.4]	0.6 [0.2]	0.6 [0.2]	0.6 [0.2]	5.3 [1.6]	5 [1.5]	4.7 [1.4]
		Power	5	4.9	4.9	5	4.9	4.9	4.9	4.9	4.8
	110°F [43.3°C]										
		Total BTUH [kW]	20.2 [5.9]	19.8 [5.8]	19.3 [5.7]	18.7 [5.5]	18.3 [5.4]	17.9 [5.2]	14.9 [4.4]	14.6 [4.3]	14.2 [4.2]
		Sens BTUH [kW]	-8.3 [-2.4]	-7.8 [-2.3]	-7.4 [-2.2]	-6.1 [-1.8]	-5.7 [-1.7]	-5.4 [-1.6]	-1.4 [-0.4]	-1.3 [-0.4]	-1.2 [-0.4]
		Power	5.6	5.5	5.4	5.5	5.5	5.4	5.5	5.4	5.3
	120°F [48.9°C]										
		Total BTUH [kW]	11.2 [3.3]	11 [3.2]	10.7 [3.1]	9.7 [2.8]	9.5 [2.8]	9.3 [2.7]	5.9 [1.7]	5.8 [1.7]	5.7 [1.7]
		Sens BTUH [kW]	-16.2 [-4.7]	-15.3 [-4.5]	-14.4 [-4.2]	-14 [-4.1]	-13.2 [-3.9]	-12.4 [-3.6]	-9.3 [-2.7]	-8.8 [-2.6]	-8.2 [-2.4]
		Power	6.2	6.1	6.1	6.2	6.1	6	6.1	6	6

Appendix E – Heating Performance

Models: (-)GEC

Gas Heat Performance Specifications

208–230V & 575V											
Tonnage		3–Ton		4–Ton		5–Ton		6–Ton			
Heating Input BTU [kW] (High–Fire / Low–Fire)	75,000/52,500	100,000/70,000	75,000/52,500	120,000/84,000	75,000/52,500	120,000/84,000	75,000/52,500	120,000/84,000	75,000/52,500	120,000/84,000	
	[21.98/15.39]	[29.31/20.52]	[21.98/15.39]	[35.17/24.62]	[21.98/15.39]	[35.17/24.62]	[21.98/15.39]	[35.17/24.62]	[21.98/15.39]	[35.17/24.62]	
Heating Output BTU [kW] (High–Fire / Low–Fire)	60,750/42,525	81,000/56,700	60,750/42,525	97,200/68,040	60,750/42,525	97,200/68,040	60,750/42,525	97,200/68,040	60,750/42,525	97,200/68,040	
	[17.80/12.46]	[23.74/16.62]	[17.80/12.46]	[28.49/19.94]	[17.80/12.46]	[28.49/19.94]	[17.80/12.46]	[28.49/19.94]	[17.80/12.46]	[28.49/19.94]	
High–Fire Rise Range °F [°C]	25–55	35–65	25–55	40–70	25–55	35–65	25–55	35–65	25–55	35–65	
	[13.9–30.6]	[19.4–36.1]	[13.9–30.6]	[22.2–38.9]	[13.9–30.6]	[22.2–38.9]	[13.9–30.6]	[22.2–38.9]	[13.9–30.6]	[22.2–38.9]	
Low–Fire Rise Range °F [°C]	20–50	25–55	20–50	30–60	20–50	25–55	20–50	25–55	20–50	30–60	
	[11.1–27.8]	[13.9–30.6]	[11.1–27.8]	[16–33]	[11.1–27.8]	[13.9–30.6]	[11.1–27.8]	[13.9–30.6]	[11.1–27.8]	[16.7–33.3]	
Main Limit Temp °F	145	125	145	125	145	125	145	125	145	125	
Rollout Temp. °F	250	250	250	250	250	250	250	250	250	250	
Rating ESP In. W.C.	0.33	0.28	0.33	0.28	0.33	0.28	0.33	0.28	0.33	0.28	
Maximum ESP In. W.C.	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	
Max Outlet Air Temp °F [°C]	180 [82.2]	190 [87.8]	180 [82.2]	180 [82.2]	180 [82.2]	180 [82.2]	180 [82.2]	180 [82.2]	180 [82.2]	180 [82.2]	
% AFUE	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	
% Steady State Efficiency	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	

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Appendix E – Heating Performance

Models: (-)GEC

Gas Heat Performance Specifications

460V										
Tonnage	3-Ton			4-Ton			5-Ton			6-Ton
	75,000/52,500 [21.98/115.39]	100,000/70,000 [29.31/20.52]	120,000/84,000 [35.17/24.62]	75,000/52,500 [21.98/115.39]	120,000/84,000 [35.17/24.62]	120,000/84,000 [35.17/24.62]	75,000/52,500 [21.98/115.39]	120,000/84,000 [35.17/24.62]	75,000/52,500 [21.98/115.39]	120,000/84,000 [35.17/24.62]
Heating Input BTU [kW] (High-Fire / Low-Fire)	60,750/42,525 [17.80/12.46]	81,000/56,700 [23.74/16.62]	97,200/68,040 [28.49/19.94]	60,750/42,525 [17.80/12.46]	97,200/68,040 [28.49/19.94]	97,200/68,040 [28.49/19.94]	60,750/42,525 [17.80/12.46]	97,200/68,040 [28.49/19.94]	60,750/42,525 [17.80/12.46]	97,200/68,040 [28.49/19.94]
High-Fire Rise Range °F [°C]	30-60 [16.7-33.3]	35-65 [19.4-36.1]	40-70 [22.2-38.9]	30-60 [16.7-33.3]	40-70 [22.2-38.9]	35-65 [19.4-36.1]	30-60 [16.7-33.3]	35-65 [19.4-36.1]	30-60 [16.7-33.3]	35-65 [19.4-36.1]
Low-Fire Rise Range °F [°C]	25-55 [13.9-30.6]	30-60 [16.7-33.3]	35-65 [19.4-36.1]	20-50 [11.1-27.8]	30-60 [16.7-33.3]	35-65 [19.4-36.1]	20-50 [11.1-27.8]	30-60 [16.7-33.3]	20-50 [11.1-27.8]	30-60 [16.7-33.3]
Main Limit Temp °F	145	125	125	145	125	125	145	125	145	125
Rollout Temp. °F	250	250	250	250	250	250	250	250	250	250
Rating ESP In. W.C.	0.33	0.28	0.28	0.33	0.28	0.28	0.33	0.28	0.33	0.28
Maximum ESP In. W.C.	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
Max Outlet Air Temp °F [°C]	180 [82.2]	190 [87.8]	180 [82.2]	180 [82.2]	180 [82.2]	180 [82.2]	180 [82.2]	180 [82.2]	180 [82.2]	180 [82.2]
% Steady State Efficiency	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
Gas Valve Connection Pipe Size: 0.50 in. [12.7 mm]										

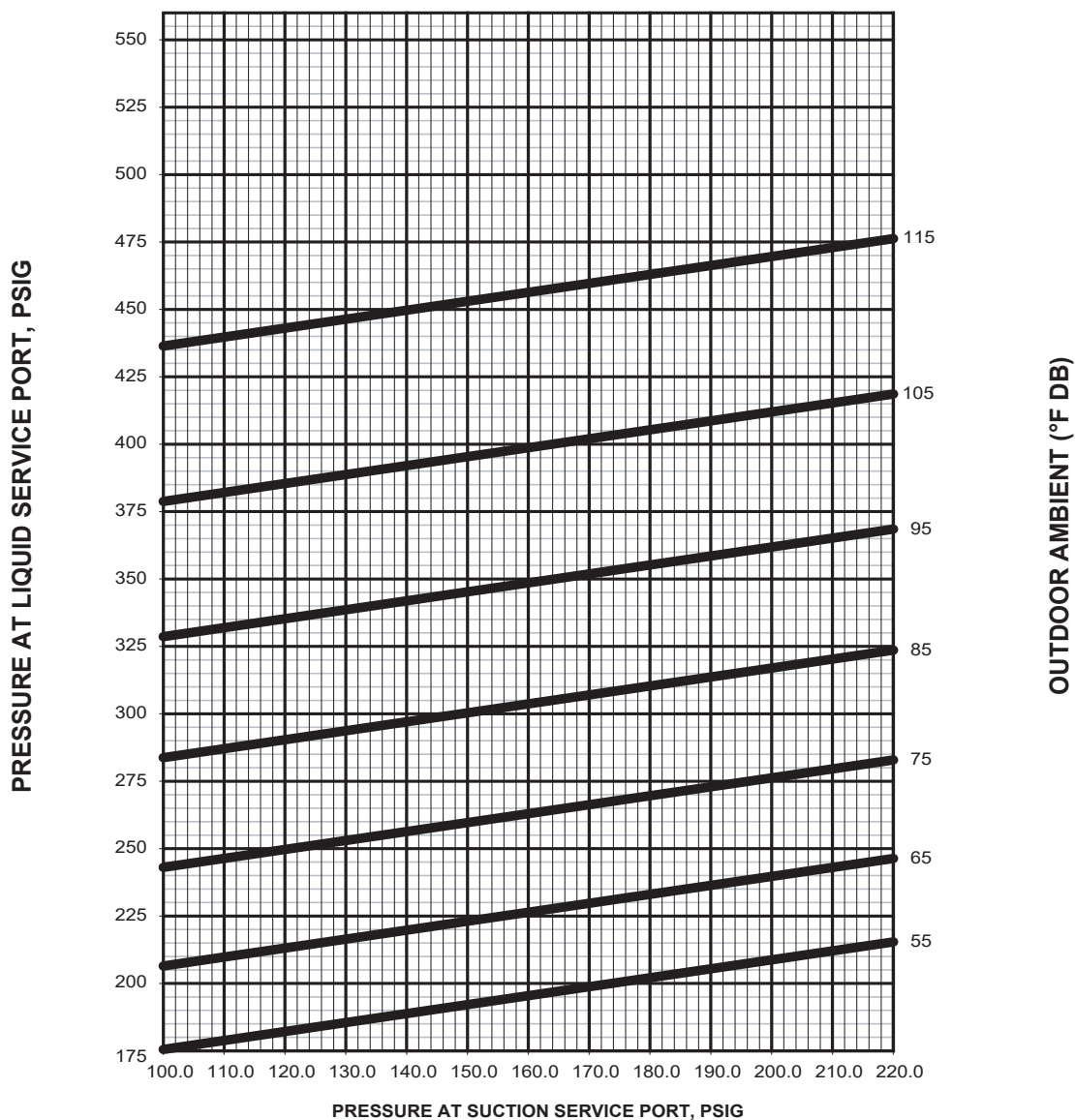
Appendix F. A2L Refrigerant Installation Safety Data

		(-)GECYB036	(-)GECYB036 w/ Reheat	(-)GECYB048	(-)GECYB048 w/ Reheat	(-)GECYB060	(-)GECYB060 w/ Reheat	(-)GECYB072	(-)GECYB072 w/ Reheat
Refrigerant Charge Weight (oz)		72	101	67	110	80	105	85	123
Minimum Circulation Airflow, Qmin (cfm)		122	171	113	186	135	178	144	208
Installed Altitude (ft above sea level)	Altitude Adjustment Factor	Minimum Total Conditioned Room Area, T _{Amin} (sq ft)							
0	1.000	67	95	63	103	75	98	80	115
1000	1.025	69	97	64	106	77	101	82	118
2000	1.051	71	99	66	108	79	103	84	121
3000	1.078	73	102	68	111	81	106	86	124
4000	1.107	75	105	70	114	83	109	88	128
5000	1.138	77	108	71	117	85	112	91	131
6000	1.170	79	111	73	121	88	115	93	135
6500	1.187	80	112	75	122	89	117	95	137

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Appendix G – Refrigerant Charging Charts

COOLING CHARGE CHART - REFRIGERANT 454B
3 TON



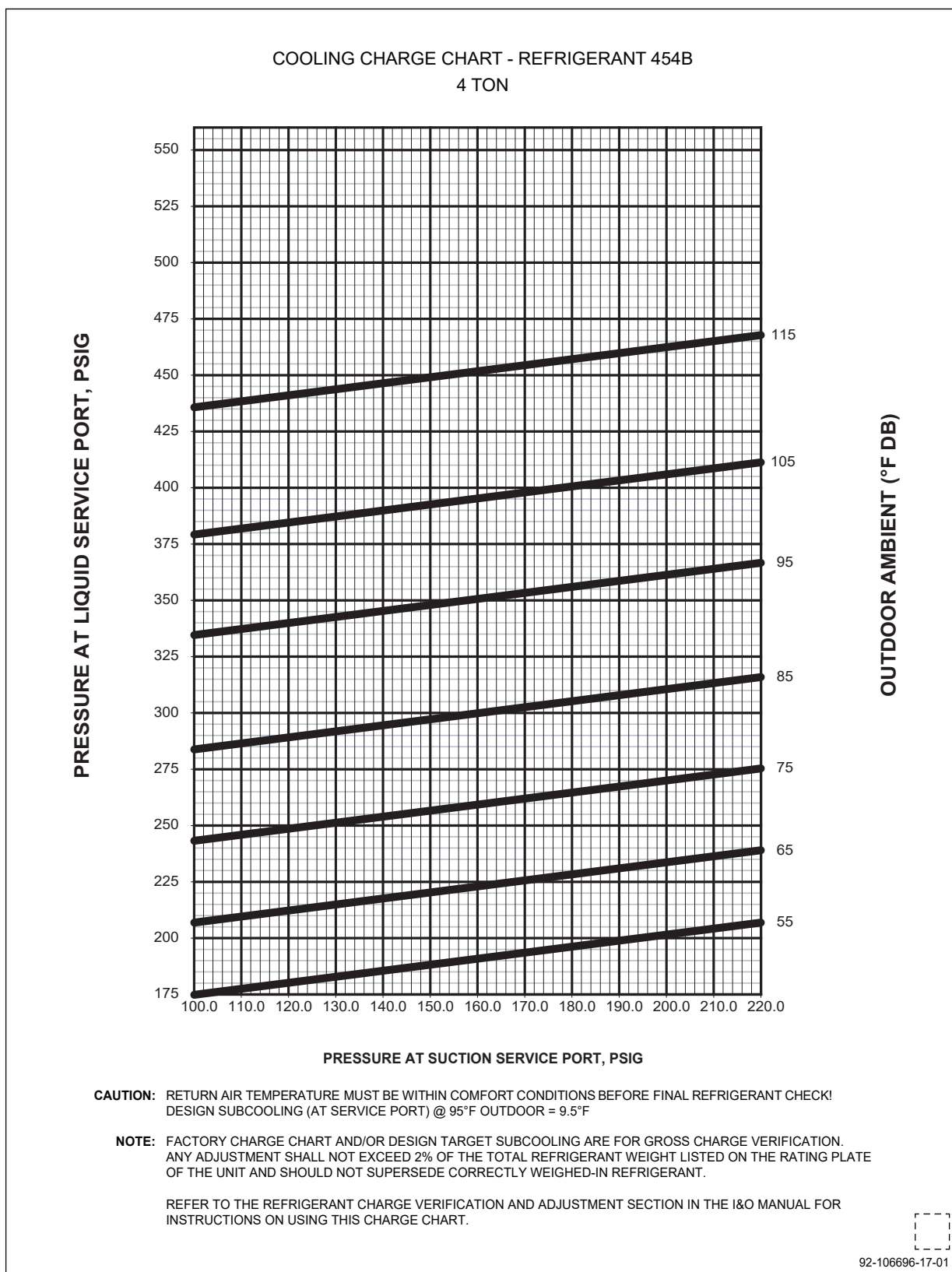
CAUTION: RETURN AIR TEMPERATURE MUST BE WITHIN COMFORT CONDITIONS BEFORE FINAL REFRIGERANT CHECK!
DESIGN SUBCOOLING (AT SERVICE PORT) @ 95°F OUTDOOR = 12.5°F

NOTE: FACTORY CHARGE CHART AND/OR DESIGN TARGET SUBCOOLING ARE FOR GROSS CHARGE VERIFICATION.
ANY ADJUSTMENT SHALL NOT EXCEED 2% OF THE TOTAL REFRIGERANT WEIGHT LISTED ON THE RATING PLATE
OF THE UNIT AND SHOULD NOT SUPERSEDE CORRECTLY WEIGHED-IN REFRIGERANT.

REFER TO THE REFRIGERANT CHARGE VERIFICATION AND ADJUSTMENT SECTION IN THE I&O MANUAL FOR
INSTRUCTIONS ON USING THIS CHARGE CHART.

92-106696-16-01

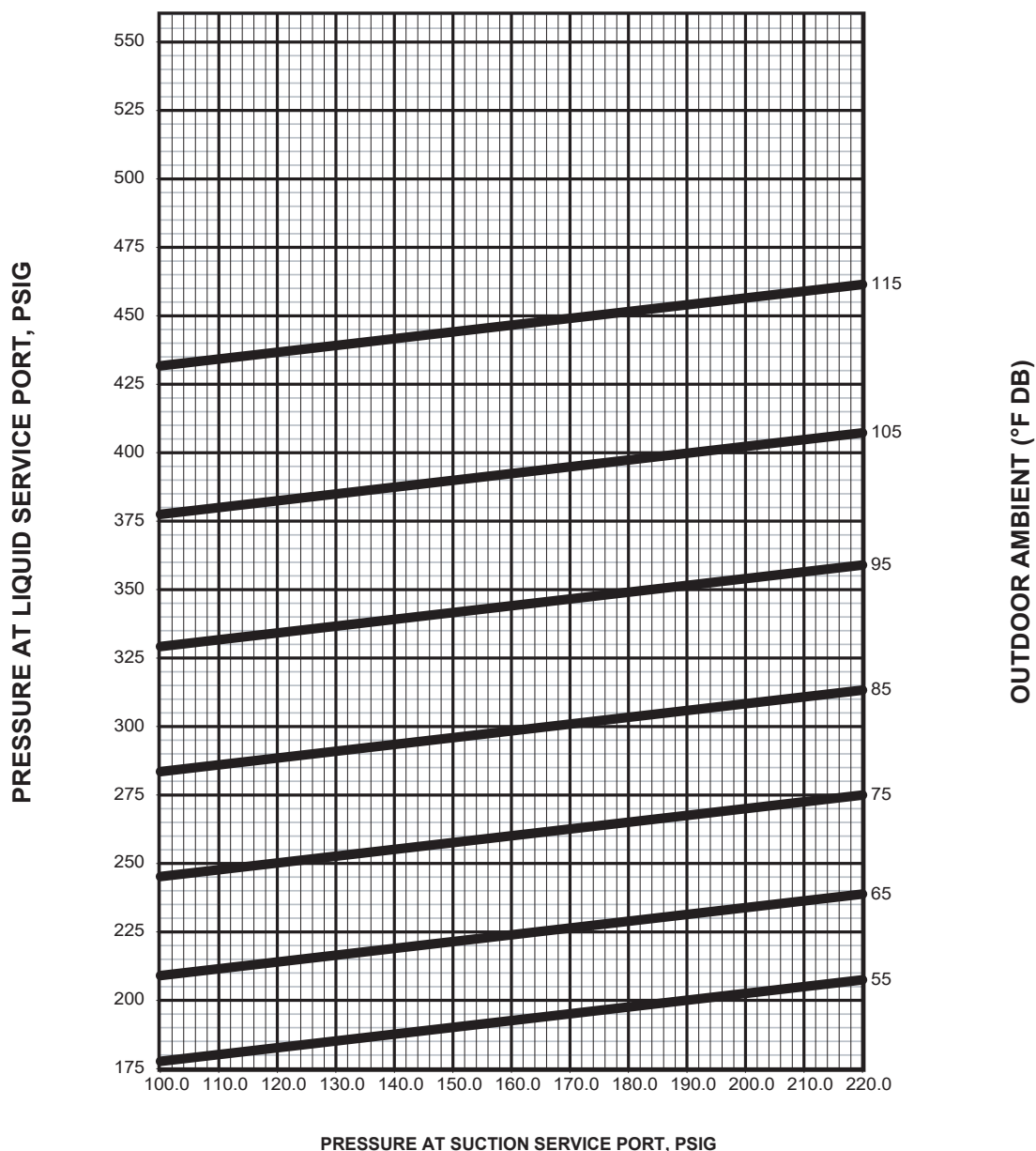
Appendix G – Refrigerant Charging Charts (Cont.)



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Appendix G – Refrigerant Charging Charts (Cont.)

COOLING CHARGE CHART - REFRIGERANT 454B
3 TON



CAUTION: RETURN AIR TEMPERATURE MUST BE WITHIN COMFORT CONDITIONS BEFORE FINAL REFRIGERANT CHECK!
DESIGN SUBCOOLING (AT SERVICE PORT) @ 95°F OUTDOOR = 12.3°F

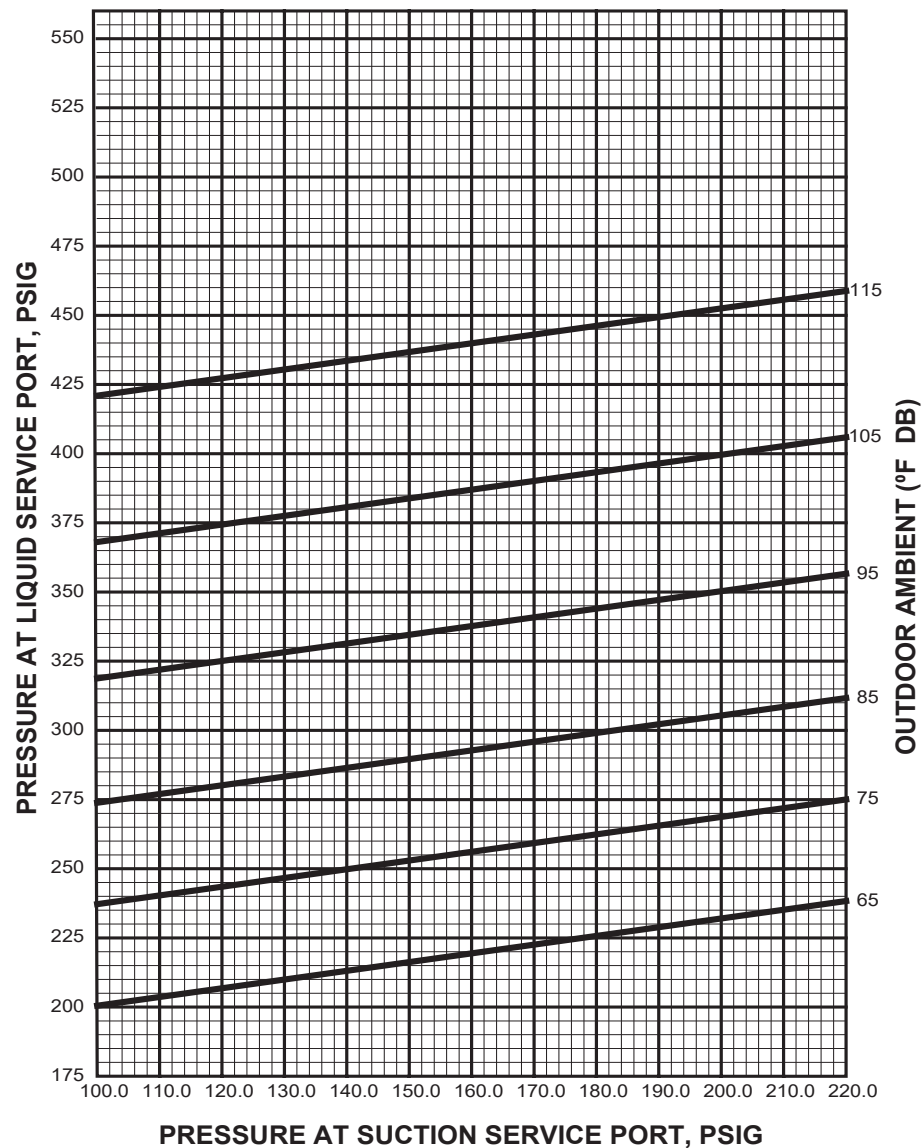
NOTE: FACTORY CHARGE CHART AND/OR DESIGN TARGET SUBCOOLING ARE FOR GROSS CHARGE VERIFICATION.
ANY ADJUSTMENT SHALL NOT EXCEED 2% OF THE TOTAL REFRIGERANT WEIGHT LISTED ON THE RATING PLATE
OF THE UNIT AND SHOULD NOT SUPERSEDE CORRECTLY WEIGHED-IN REFRIGERANT.

REFER TO THE REFRIGERANT CHARGE VERIFICATION AND ADJUSTMENT SECTION IN THE I&O MANUAL FOR
INSTRUCTIONS ON USING THIS CHARGE CHART.

92-106696-18-01

Appendix G – Refrigerant Charging Charts (Cont.)

COOLING CHARGE CHART - REFRIGERANT 454B
4 TON



CAUTION: RETURN AIR TEMPERATURE MUST BE WITHIN COMFORT CONDITIONS BEFORE FINAL REFRIGERANT CHECK! DESIGN SUBCOOLING (AT SERVICE PORT) @ 95°F OUTDOOR = 8°F.

NOTE: FACTORY CHARGE CHART AND/OR DESIGN TARGET SUBCOOLING ARE FOR GROSS CHARGE VERIFICATION. ANY ADJUSTMENT SHALL NOT EXCEED 2% OF THE TOTAL REFRIGERANT WEIGHT LISTED ON THE RATING PLATE OF THE UNIT AND SHOULD NOT SUPERSEDE CORRECTLY WEIGHED-IN REFRIGERANT.

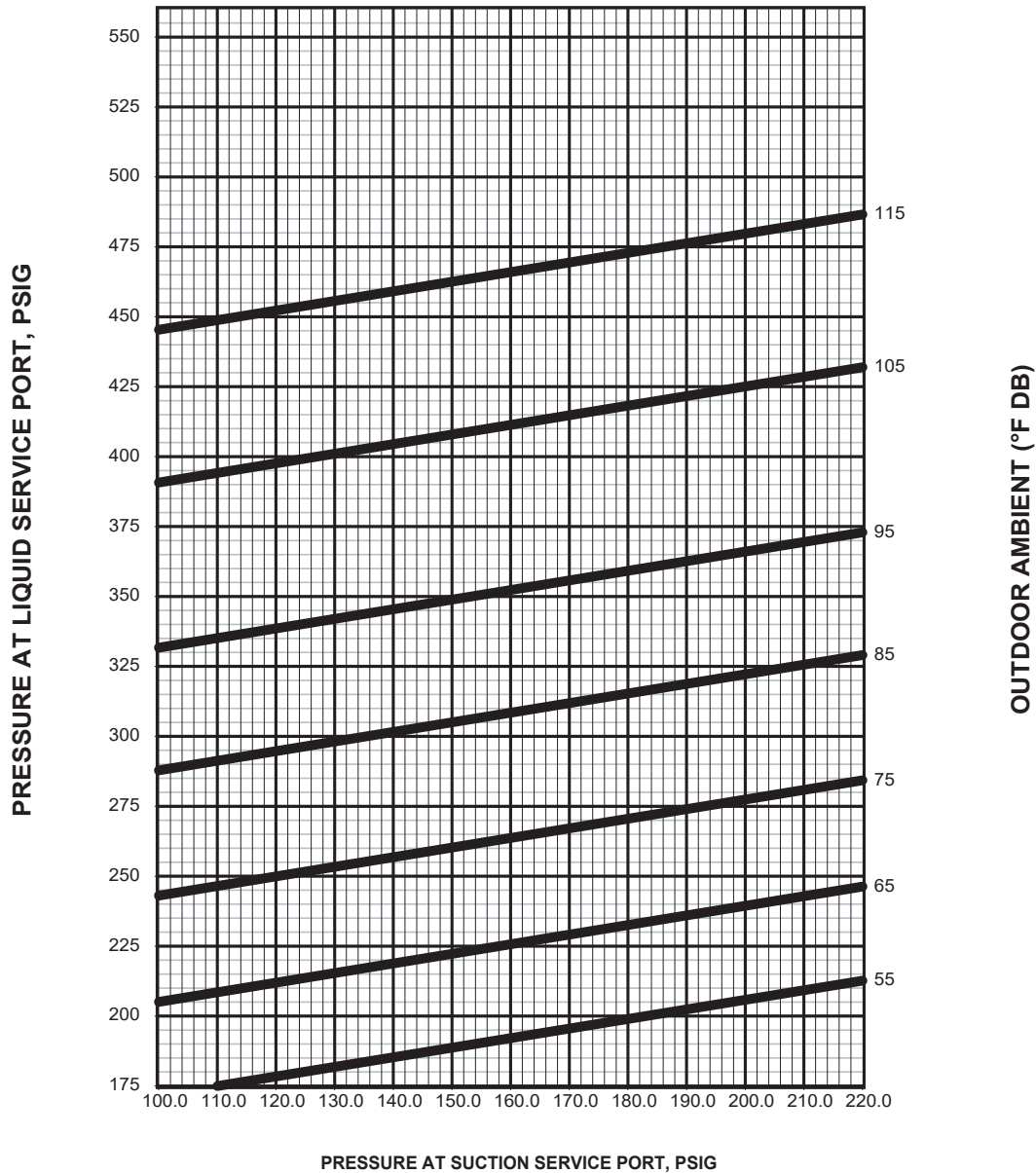
REFER TO THE REFRIGERANT CHARGE VERIFICATION AND ADJUSTMENT SECTION IN THE I&O MANUAL FOR INSTRUCTIONS ON USING THIS CHARGE CHART.

92-106696-19-01

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Appendix G – Refrigerant Charging Charts (Cont.)

COOLING CHARGE CHART - REFRIGERANT 454B
5 TON



CAUTION: RETURN AIR TEMPERATURE MUST BE WITHIN COMFORT CONDITIONS BEFORE FINAL REFRIGERANT CHECK!
DESIGN SUBCOOLING (AT SERVICE PORT) @ 95°F OUTDOOR = 10.2°F

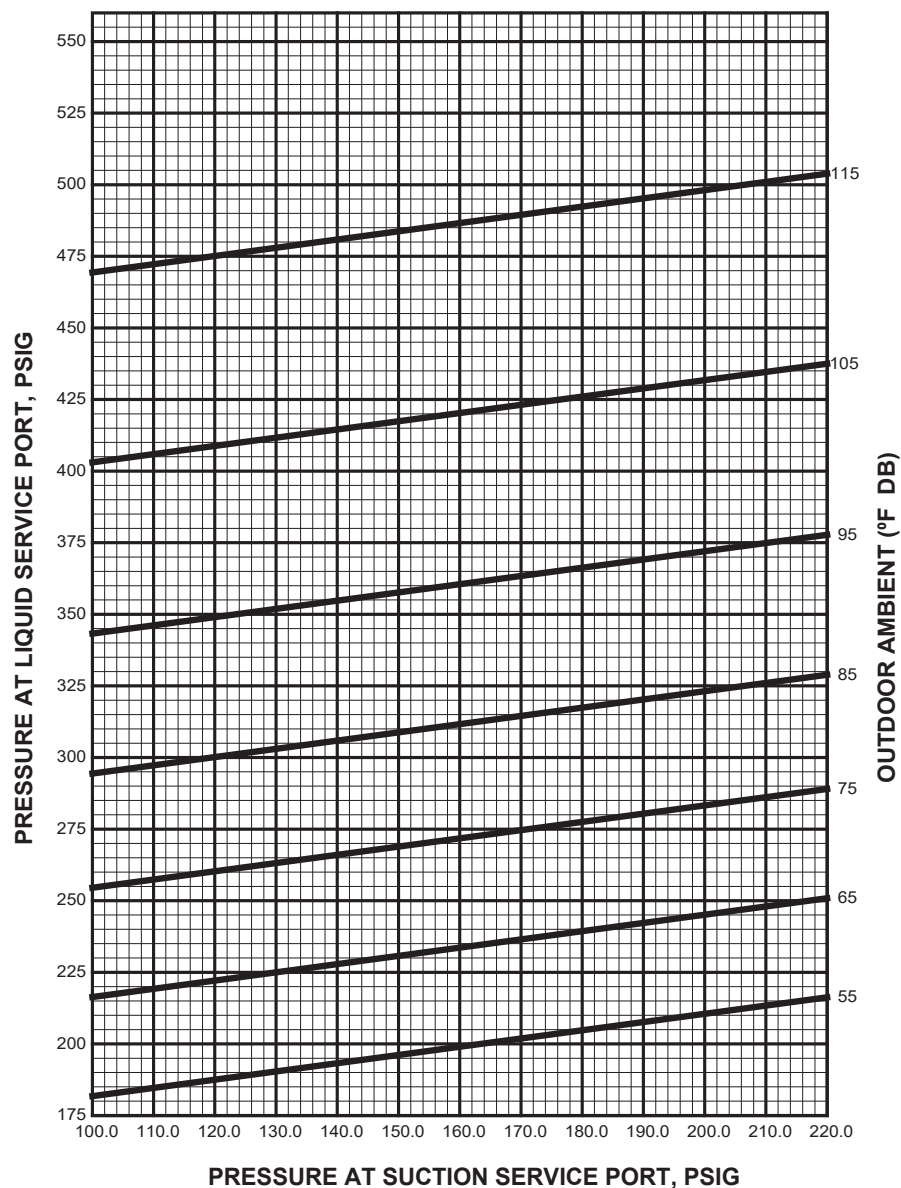
NOTE: FACTORY CHARGE CHART AND/OR DESIGN TARGET SUBCOOLING ARE FOR GROSS CHARGE VERIFICATION.
ANY ADJUSTMENT SHALL NOT EXCEED 2% OF THE TOTAL REFRIGERANT WEIGHT LISTED ON THE RATING PLATE
OF THE UNIT AND SHOULD NOT SUPERSEDE CORRECTLY WEIGHED-IN REFRIGERANT.

REFER TO THE REFRIGERANT CHARGE VERIFICATION AND ADJUSTMENT SECTION IN THE I&O MANUAL FOR
INSTRUCTIONS ON USING THIS CHARGE CHART.

92-106696-20-01

Appendix G – Refrigerant Charging Charts (Cont.)

COOLING CHARGE CHART - REFRIGERANT 454B
5 TON



CAUTION: RETURN AIR TEMPERATURE MUST BE WITHIN COMFORT CONDITIONS BEFORE FINAL REFRIGERANT CHECK!
DESIGN SUBCOOLING (AT SERVICE PORT) @ 95°F OUTDOOR = 11.7°F.

NOTE: FACTORY CHARGE CHART AND/OR DESIGN TARGET SUBCOOLING ARE FOR GROSS CHARGE VERIFICATION.
ANY ADJUSTMENT SHALL NOT EXCEED 2% OF THE TOTAL REFRIGERANT WEIGHT LISTED ON THE RATING PLATE
OF THE UNIT AND SHOULD NOT SUPERSEDE CORRECTLY WEIGHED-IN REFRIGERANT.

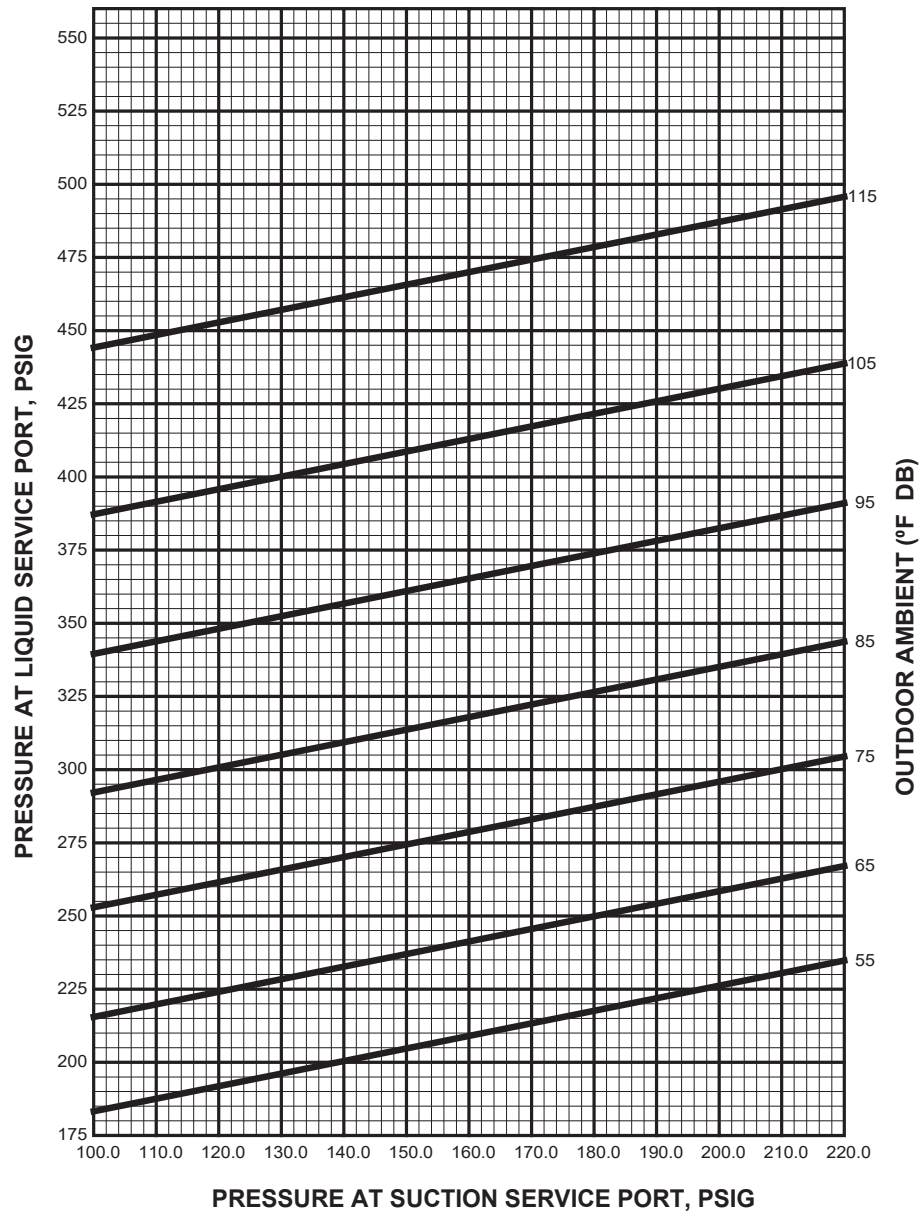
REFER TO THE REFRIGERANT CHARGE VERIFICATION AND ADJUSTMENT SECTION IN THE I&O MANUAL FOR
INSTRUCTIONS ON USING THIS CHARGE CHART.

92-106696-21-01

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Appendix G – Refrigerant Charging Charts (Cont.)

COOLING CHARGE CHART - REFRIGERANT 454B
6 TON



CAUTION: RETURN AIR TEMPERATURE MUST BE WITHIN COMFORT CONDITIONS BEFORE FINAL REFRIGERANT CHECK!
DESIGN SUBCOOLING (AT SERVICE PORT) @ 95°F OUTDOOR = 11 °F.

NOTE: FACTORY CHARGE CHART AND/OR DESIGN TARGET SUBCOOLING ARE FOR GROSS CHARGE VERIFICATION.
ANY ADJUSTMENT SHALL NOT EXCEED 2% OF THE TOTAL REFRIGERANT WEIGHT LISTED ON THE RATING PLATE
OF THE UNIT AND SHOULD NOT SUPERSEDE CORRECTLY WEIGHED-IN REFRIGERANT.

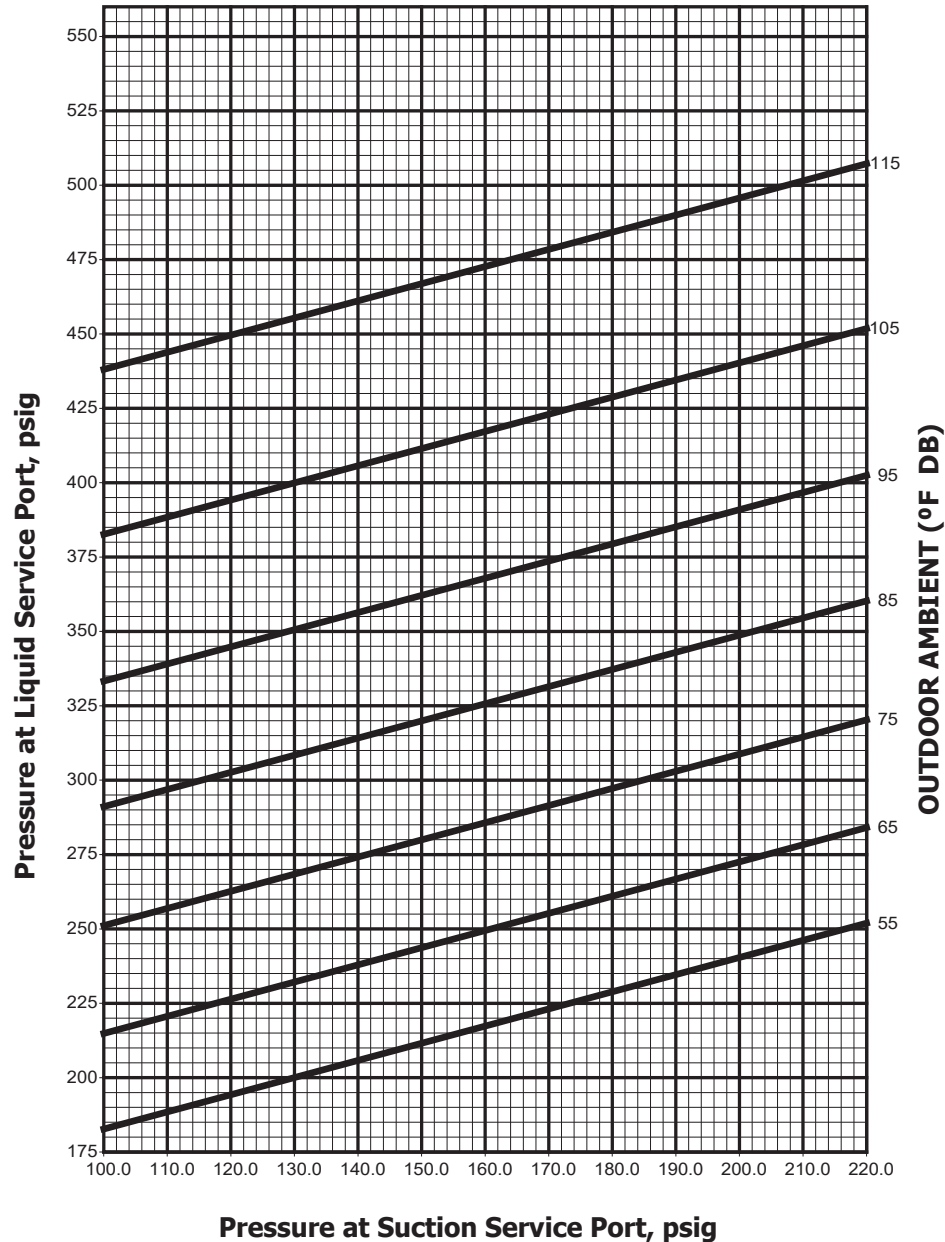
REFER TO THE REFRIGERANT CHARGE VERIFICATION AND ADJUSTMENT SECTION IN THE I&O MANUAL FOR
INSTRUCTIONS ON USING THIS CHARGE CHART.



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Appendix G – Refrigerant Charging Charts (Cont.)

COOLING CHARGE CHART - REFRIGERANT 454B
6 TON



CAUTION: RETURN AIR TEMPERATURE MUST BE WITHIN COMFORT CONDITIONS BEFORE FINAL REFRIGERANT CHECK!
DESIGN SUBCOOLING (AT SERVICE PORT) @ 95°F OUTDOOR = 15.8°F

NOTE: FACTORY CHARGE CHART AND/OR DESIGN TARGET SUBCOOLING ARE FOR GROSS CHARGE VERIFICATION.
ANY ADJUSTMENT SHALL NOT EXCEED 2% OF THE TOTAL REFRIGERANT WEIGHT LISTED ON THE RATING PLATE
OF THE UNIT AND SHOULD NOT SUPERSEDE CORRECTLY WEIGHED-IN REFRIGERANT.

REFER TO THE REFRIGERANT CHARGE VERIFICATION AND ADJUSTMENT SECTION IN THE I&O MANUAL FOR
INSTRUCTIONS ON USING THIS CHARGE CHART.