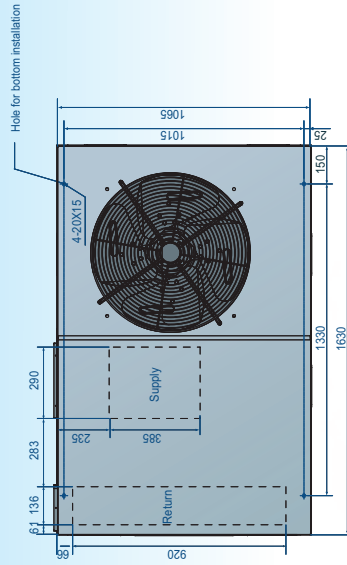
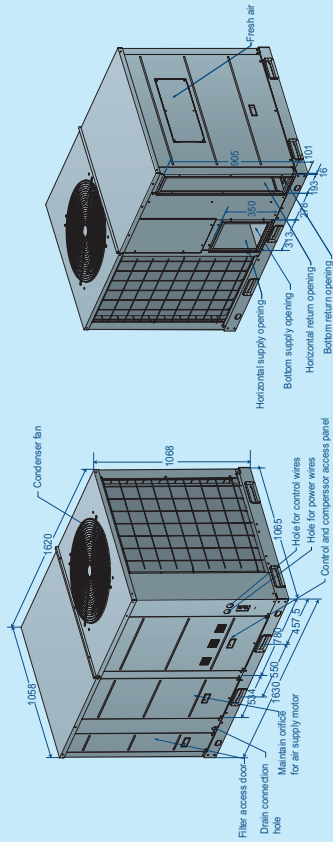
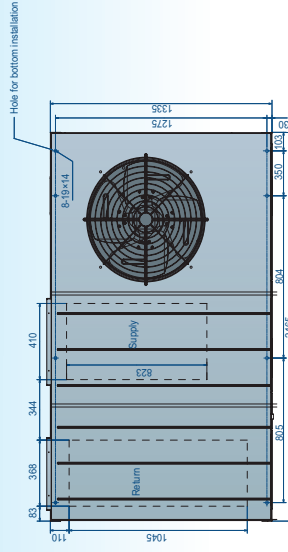
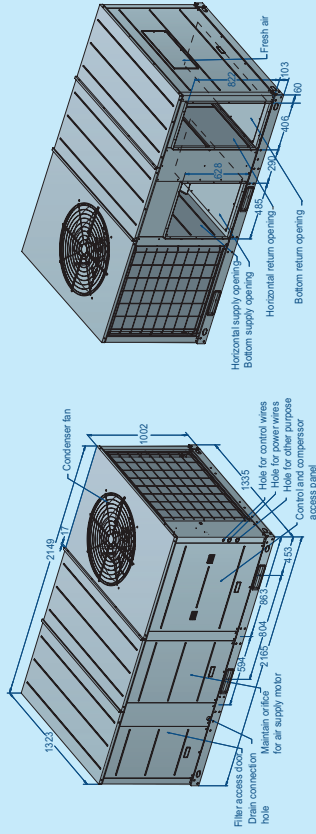


6.2&7.5ton



Model	Net size(WxHxD,mm)	Packing size(WxHxD,mm)	Net weight(Kg)	Gross weight(Kg)
MRBT-062CWN1-R	1630X1065X1068	1700X1100X1160	315	335
MRCT-062EWN1-R	1630X1065X1068	1700X1100X1160	323	343
MRBT-062HWN1-R	1630X1065X1068	1700X1100X1160	320	340
MRBT-075CWN1-R	1630X1065X1068	1700X1100X1160	315	335
MRCT-075EWN1-R	1630X1065X1068	1700X1100X1160	323	343
MRBT-075HWN1-R	1630X1065X1068	1700X1100X1160	380	390

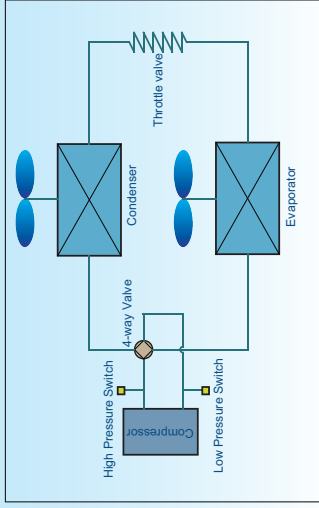
8.5&10ton



Model	Net size(WxHxD,mm)	Packing size(WxHxD,mm)	Net weight(Kg)	Gross weight(Kg)
MRBT-085CWN1-R	2165X1021X1335	2220X1140X1415	445	458
MRCT-085EWN1-R	2165X1021X1335	2220X1140X1415	455	468
MRBT-085HWN1-R	2165X1021X1335	2220X1140X1415	450	463
MRBT-100CWN1-R	2165X1021X1335	2220X1140X1415	445	458
MRCT-100EWN1-R	2165X1021X1335	2220X1140X1415	455	468
MRBT-100HWN1-R	2165X1021X1335	2220X1140X1415	450	463

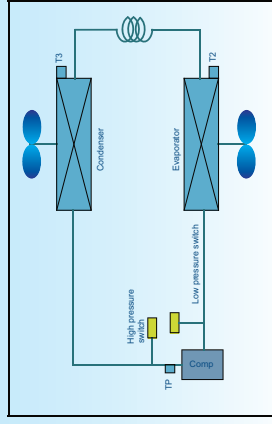
Refrigerant cycle diagram

T1 Condition-R22



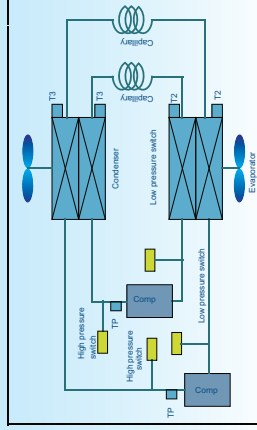
T3 Condition-R22

3,4&5ton

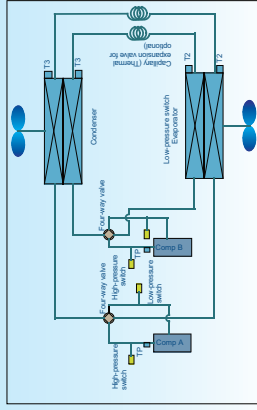


6,2,7,5,8,5,10,12,5,15,17,5,20,25ton

Cooling, Cooling+PTC type



Cooling and Heating type



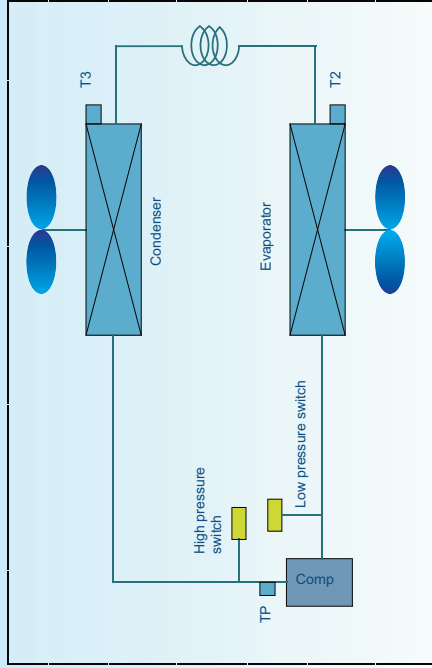
TP: Compressor discharge temperature sensor in system A and B
 T2: Indoor coil temperature sensor in system A and B
 T3: Outdoor coil temperature sensor in system A and B

Refrigerant cycle diagram

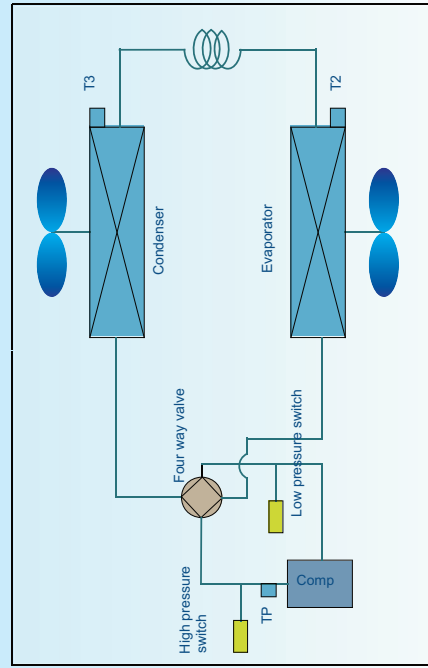
T3 Condition-R410A

5, 6.2, 7.5, 8.5, 10&12.5ton

Cooling, Cooling+PTC type



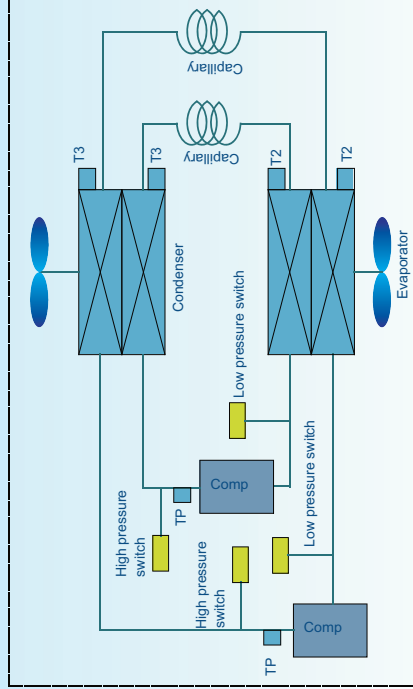
Cooling and Heating type



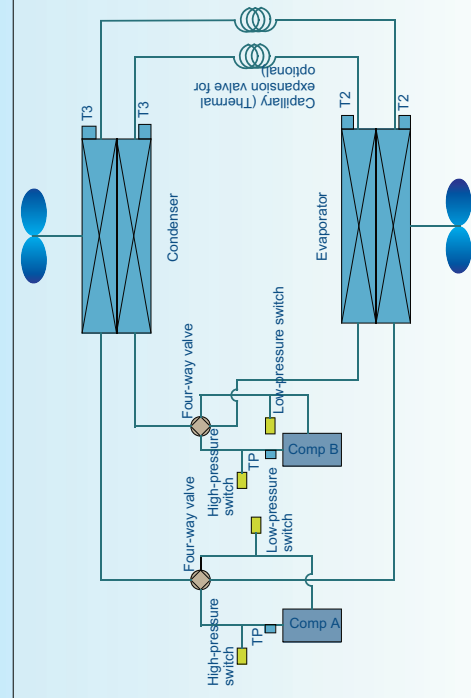
TP: Compressor discharge temperature sensor in system A and B
 T2: Indoor coil temperature sensor in system A and B
 T3: Outdoor coil temperature sensor in system A and B

15, 17.5, 20&30ton

Cooling, Cooling+PTC type



Cooling and Heating type



TP: Compressor discharge temperature sensor in system A and B
 T2: Indoor coil temperature sensor in system A and B
 T3: Outdoor coil temperature sensor in system A and B

Capacity table

T1 Condition-R22

Cooling capacity for MRA-24HW-Q

Indoor air entering Temp	Outdoor air entering Temp(DB)					
	70°F DB	82°F DB	95°F DB	109°F DB	115°F DB	115°F DB
70°F DB	3.31	6.96	6.60	6.32	6.11	6.11
59°F DB	5.41	5.36	5.28	5.31	5.19	5.19
75°F DB	7.53	7.17	6.82	6.39	6.25	6.25
63°F DB	5.64	5.59	5.52	5.37	5.31	5.31
80°F DB	7.67	7.31	7.10	6.60	6.46	6.46
66°F DB	5.67	5.63	5.54	5.41	5.36	5.36
84°F DB	7.74	7.38	7.24	6.67	6.50	6.50
66°F DB	6.80	6.28	6.23	6.07	6.11	6.11
90°F DB	7.81	7.53	7.38	6.82	6.60	6.60
73°F DB	6.84	6.55	6.50	6.34	6.34	6.34

Heating capacity for MRA-24HW-Q

Indoor conditions	OUTDOOR CONDITIONS					
	75.2°F DB 64.4°F WB	44.6°F DB 42.8°F WB	35.6°F DB 33.8°F WB	28°F DB 21.2°F WB	19.4°F DB 17.6°F WB	19.4°F DB 17.6°F WB
59°F	10.05	8.12	6.65	6.03	5.64	5.64
68°F	9.74	7.73	6.26	5.87	5.41	5.41
80.6°F	9.12	7.27	5.87	5.72	5.10	5.10

Cooling capacity for MRA-36HW-Q/ MRA-36HW-R

Indoor air entering Temp	Outdoor air entering Temp(DB)					
	70°F	82°F	95°F	109°F	115°F	115°F
70°F DB	10.82	10.29	9.77	9.35	9.03	9.03
59°F DB	8.00	7.92	7.81	7.85	7.68	7.68
75°F DB	11.13	10.61	10.08	9.45	9.24	9.24
63°F DB	8.35	8.27	8.16	7.94	7.85	7.85
80°F DB	11.34	10.82	10.50	9.77	9.56	9.56
66°F DB	8.39	8.33	8.19	8.01	7.93	7.93
84°F DB	11.45	10.92	10.71	9.87	9.61	9.61
66°F DB	9.61	9.28	9.21	8.98	9.03	9.03
90°F DB	11.55	11.13	10.92	10.08	9.77	9.77
73°F DB	9.82	9.68	9.61	9.37	9.37	9.37

Heating capacity for MRA-36HW-Q/ MRA-36HW-R

Indoor conditions	OUTDOOR CONDITIONS					
	75.2°F DB 64.4°F WB	44.6°F DB 42.8°F WB	35.6°F DB 33.8°F WB	28°F DB 21.2°F WB	19.4°F DB 17.6°F WB	19.4°F DB 17.6°F WB
59°F	15.08	12.18	9.98	9.05	8.47	8.47
68°F	14.62	11.60	9.40	8.82	8.12	8.12
80.6°F	13.69	10.90	8.82	8.58	7.66	7.66

Cooling capacity for MRA-48HW-R

Indoor air entering Temp	Outdoor air entering Temp(DB)					
	70°F	82°F	95°F	109°F	115°F	115°F
70°F DB	14.42	13.72	13.02	12.46	12.04	12.04
59°F DB	10.67	10.56	10.42	10.47	10.23	10.23
75°F DB	14.84	14.14	13.44	12.60	12.32	12.32
63°F DB	11.03	11.03	10.89	10.58	10.47	10.47
80°F DB	15.12	14.42	14.00	13.02	12.74	12.74
66°F DB	11.19	11.10	10.92	10.68	10.57	10.57
84°F DB	15.26	14.56	14.28	13.16	12.81	12.81
66°F DB	12.82	12.38	12.28	11.98	12.04	12.04
90°F DB	15.40	14.84	14.56	13.44	13.02	13.02
73°F DB	13.09	12.91	12.81	12.50	12.50	12.50

Heating capacity for MRA-48HW-R

Indoor conditions	OUTDOOR CONDITIONS					
	75.2°F DB 64.4°F WB	44.6°F DB 42.8°F WB	35.6°F DB 33.8°F WB	28°F DB 21.2°F WB	19.4°F DB 17.6°F WB	19.4°F DB 17.6°F WB
59°F	20.11	16.24	13.30	12.07	11.29	11.29
68°F	19.49	15.47	12.53	11.76	10.83	10.83
80.6°F	18.25	14.54	11.76	11.45	10.21	10.21

Cooling capacity for MRA-60HW-R

Indoor air entering Temp	Outdoor air entering Temp(DB)					
	70°F	82°F	95°F	109°F	115°F	115°F
70°F DB	16.48	15.68	14.88	14.24	13.76	13.76
59°F DB	12.20	12.07	11.90	11.96	11.70	11.70
75°F DB	16.96	16.16	15.36	14.40	14.08	14.08
63°F DB	12.72	12.60	12.44	12.10	11.97	11.97
80°F DB	17.28	16.38	15.00	14.38	14.56	14.56
66°F DB	12.79	12.69	12.48	12.20	12.06	12.06
84°F DB	17.44	16.64	15.32	15.04	14.64	14.64
66°F DB	14.65	14.14	14.04	13.69	13.76	13.76
90°F DB	17.60	16.96	16.64	15.36	14.88	14.88
73°F DB	14.96	14.76	14.84	14.28	14.28	14.28

Heating capacity for MRA-60HW-R

Indoor conditions	OUTDOOR CONDITIONS					
	75.2°F DB 64.4°F WB	44.6°F DB 42.8°F WB	35.6°F DB 33.8°F WB	23°F DB 21.2°F WB	19.4°F DB 17.6°F WB	19.4°F DB 17.6°F WB
59°F	21.33	17.23	14.11	12.80	11.98	11.98
68°F	20.68	16.41	13.29	12.47	11.49	11.49
80.6°F	19.36	15.43	12.47	12.14	10.83	10.83

Cooling capacity for MRC-36HW

Indoor air entering Temp	Outdoor air entering Temp(DB)					
	70°F/72°F C	77°F/25°C	95°F/35°C	104°F/40°C	113°F/45°C	113°F/45°C
70°F DB	9.45	9.04	8.22	7.89	7.64	7.64
59°F DB	7.56	7.23	6.57	6.31	6.11	6.11
75°F DB	10.35	9.90	9.00	8.64	8.37	8.37
63°F DB	8.28	7.92	7.20	6.91	6.69	6.69
80°F DB	11.25	10.76	9.78	9.39	9.10	9.10
66°F DB	9.00	8.61	7.82	7.51	7.28	7.28
90°F DB	12.94	12.37	11.25	10.80	10.46	10.46
73°F DB	10.35	9.90	9.00	8.64	8.37	8.37

Heating capacity for MRA-36HW

Indoor conditions	OUTDOOR CONDITIONS					
	75.2°F DB 64.4°F WB	44.6°F DB 42.8°F WB	32°F DB 30.2°F WB	23°F DB 21.2°F WB	19.4°F DB 17.6°F WB	19.4°F DB 17.6°F WB
59°F	11.48	7.66	6.51	5.74	5.36	5.36
68°F	14.36	9.57	8.13	7.18	6.70	6.70
80.6°F	18.66	12.44	10.57	9.33	8.71	8.71

Cooling capacity for MRC-36HW-R

Indoor air entering Temp	Outdoor air entering Temp(DB)					
	70°F/21°C	77°F/25°C	95°F/35°C	104°F/40°C	113°F/45°C	113°F/45°C
70°F DB	9.52	9.11	8.28	7.95	7.70	7.70
59°F DB	7.62	7.28	6.62	6.36	6.16	6.16
75°F DB	10.43	9.97	9.07	8.70	8.43	8.43
63°F DB	8.34	7.98	7.25	6.96	6.73	6.73
80°F DB	11.33	10.84	9.86	9.46	9.17	9.17
66°F DB	9.07	8.36	7.88	7.57	7.33	7.33
90°F DB	13.03	12.47	11.33	10.88	10.54	10.54
73°F DB	10.43	9.97	9.07	8.70	8.43	8.43

Heating capacity for MRC-36HW-R

Indoor conditions	OUTDOOR CONDITIONS					
	75.2°F DB 64.4°F WB	44.6°F DB 42.8°F WB	32°F DB 30.2°F WB	23°F DB 21.2°F WB	19.4°F DB 17.6°F WB	19.4°F DB 17.6°F WB
59°F	11.54	7.69	6.54	5.77	5.38	5.38
68°F	14.42	9.62	8.17	7.21	6.73	6.73
80.6°F	18.75	12.50	10.63	9.38	8.75	8.75

Cooling capacity for MRC-48HW-R

Indoor air entering Temp	Outdoor air entering Temp(DB)					
	70°F/21°C	77°F/25°C	95°F/35°C	104°F/40°C	113°F/45°C	113°F/45°C
70°F DB	11.54	11.04	10.03	9.63	9.33	9.33
59°F DB	9.23	8.83	8.03	7.70	7.46	7.46
75°F DB	12.64	12.09	10.99	10.55	10.22	10.22
63°F DB	10.11	9.67	8.79	8.44	8.17	8.17
80°F DB	13.14	13.14	11.94	11.47	11.11	11.11
66°F DB	10.99	10.51	9.55	9.17	8.90	8.90
90°F DB	15.79	15.11	13.73	13.19	12.77	12.77
73°F DB	12.64	12.09	10.99	10.59	10.22	10.22



Heating capacity for MRC-48HW-R

Indoor conditions	OUTDOOR CONDITIONS					
	75.2 °F DB 64.4 °F WB	44.6 °F DB 42.8 °F WB	32 °F DB 30.2 °F WB	23 °F DB 21.2 °F WB	15.4 °F DB 17.6 °F WB	8.6 °F DB 7.32 °F WB
59°F	15.69	10.46	8.89	7.85	7.85	7.32
68°F	19.62	13.08	11.12	9.81	9.81	9.16
80.6°F	25.5	17.00	14.45	12.75	12.75	11.90

Cooling capacity for MRC-60HW-R

Indoor air entering Temp	Outdoor air entering Temp(DB)					
	70°F/21 °C	77°F/25 °C	85°F/29 °C	95°F/35 °C	104°F/40 °C	113°F/45 °C
70 °F DB	12.93	12.36	11.24	10.79	10.79	10.45
79 °F DB	13.93	13.36	12.24	11.79	11.79	11.45
88 °F DB	14.93	14.36	13.24	12.79	12.79	12.45
97 °F DB	15.93	15.36	14.24	13.79	13.79	13.45
106 °F DB	16.93	16.36	15.24	14.79	14.79	14.45

Heating capacity for MRC-60HW-R

Indoor conditions	OUTDOOR CONDITIONS					
	75.2 °F DB 64.4 °F WB	44.6 °F DB 42.8 °F WB	32 °F DB 30.2 °F WB	23 °F DB 21.2 °F WB	15.4 °F DB 17.6 °F WB	8.6 °F DB 7.32 °F WB
59°F	15.50	11.50	9.77	8.62	8.62	8.05
68°F	21.56	14.37	12.22	10.78	10.78	10.06
80.6°F	28.03	18.88	15.88	14.01	14.01	13.08

T3 Condition-R22

Cooling capacity for 3ton:

AirFlow Ent(DB)	1170						1400						1500					
	80	85	90	95	100	110	80	85	90	95	100	110	80	85	90	95	100	110
61	TGC 31.9	36.7	38.8	39.8	40.4	42.7	43.9	38.3	44.2	46.7	47.9	41.6	47.9	50.6	52.0	52.0	52.0	52.0
67	SHC 26.8	32.3	34.9	36.6	38.5	40.4	32.2	36.9	42.0	44.1	34.9	42.2	45.6	47.8	48.8	48.8	48.8	48.8
73	TGC 30.1	34.6	36.7	37.4	33.2	38.2	40.4	41.2	36.3	41.7	44.2	45.0	39.3	45.2	47.9	48.8	48.8	48.8
85	SHC 23.5	27.7	30.1	31.4	25.9	30.5	33.2	34.8	28.3	33.3	36.2	37.8	30.7	36.2	39.3	41.0	41.0	41.0
105	TGC 28.9	33.3	39.8	41.0	31.9	36.6	43.9	45.2	34.8	40.0	47.9	49.4	37.8	43.4	52.0	53.5	53.5	53.5
115	SHC 19.1	22.6	28.7	29.5	21.0	24.9	31.6	32.5	23.0	27.2	34.5	35.5	24.9	29.5	37.4	38.6	38.6	38.6
125	TGC 30.1	34.6	36.6	37.6	33.1	38.2	40.3	41.4	36.2	41.7	44.0	45.2	39.2	45.2	47.9	48.0	48.0	48.0
135	SHC 25.3	30.5	32.9	34.6	27.8	33.6	36.3	38.1	30.4	36.7	39.6	41.6	33.0	39.8	43.0	45.1	45.1	45.1
145	TGC 28.4	32.7	34.6	35.3	31.3	36.0	38.2	38.9	34.2	39.3	41.7	42.5	37.1	42.6	45.2	46.1	46.1	46.1
155	SHC 22.2	28.1	28.4	29.6	24.4	28.8	31.3	32.7	26.7	31.5	34.2	35.7	28.9	34.1	37.1	38.7	38.7	38.7
165	TGC 27.3	31.4	37.6	38.7	30.1	34.6	41.4	42.6	32.8	37.7	45.2	46.6	35.6	40.9	49.0	50.5	50.5	50.5
175	SHC 18.0	21.3	27.1	27.9	18.0	23.5	29.8	30.7	21.7	25.7	32.6	33.5	23.5	27.8	35.3	36.4	36.4	36.4
185	TGC 28.5	32.9	34.7	35.7	31.4	36.2	38.2	39.2	34.2	39.5	41.7	42.8	37.1	42.7	45.2	46.4	46.4	46.4
195	SHC 24.0	28.9	31.3	32.8	26.4	31.8	34.4	36.1	28.8	34.7	37.5	39.4	31.2	37.6	40.7	42.7	42.7	42.7
205	TGC 27.0	31.0	32.9	33.5	29.7	34.1	36.2	36.9	32.4	37.2	39.5	40.2	35.1	40.3	42.7	43.6	43.6	43.6
215	SHC 21.1	24.8	27.0	28.1	23.2	27.3	29.7	31.0	25.3	29.8	32.4	33.8	27.4	32.3	35.1	36.6	36.6	36.6
225	TGC 25.9	29.8	35.7	36.7	28.5	32.8	39.2	40.4	31.1	35.7	42.8	44.1	33.7	38.7	46.4	47.8	47.8	47.8
235	SHC 17.1	20.3	25.7	26.5	18.8	22.3	28.3	29.1	20.5	24.3	30.8	31.7	22.2	26.3	33.4	34.4	34.4	34.4
245	TGC 26.7	30.8	32.5	33.4	29.4	33.9	35.8	36.8	32.2	37.1	39.1	40.2	34.9	40.2	42.5	43.6	43.6	43.6
255	SHC 22.4	27.1	29.3	30.7	24.7	29.8	32.3	33.9	27.0	32.6	35.2	37.0	29.3	35.4	38.2	40.1	40.1	40.1
265	TGC 25.3	29.0	30.8	31.4	27.8	32.0	33.9	34.6	30.4	35.0	37.1	37.7	33.0	37.9	40.2	40.9	40.9	40.9
275	SHC 19.7	23.2	25.2	26.4	21.7	25.6	27.8	29.0	23.0	28.0	30.4	31.7	25.7	30.3	32.9	34.4	34.4	34.4
285	TGC 24.3	27.9	33.4	34.4	26.7	30.7	36.8	37.9	29.2	33.6	40.2	41.4	31.7	36.4	43.6	44.9	44.9	44.9
295	SHC 16.0	19.0	24.1	24.8	17.6	20.9	26.5	27.3	19.3	22.8	28.9	29.8	20.9	24.7	31.4	32.3	32.3	32.3
305	TGC 21.8	25.1	26.6	27.3	24.0	27.4	29.3	30.0	26.3	30.2	32.8	33.8	28.5	32.8	34.7	35.6	35.6	35.6
315	SHC 18.3	22.1	23.9	25.1	20.2	24.4	26.3	27.6	22.1	26.6	28.8	30.2	23.9	28.9	31.2	32.7	32.7	32.7
325	TGC 20.6	23.7	25.1	25.6	22.7	26.1	27.7	28.2	24.8	28.5	30.2	30.8	26.9	30.9	32.8	33.4	33.4	33.4
335	SHC 16.1	19.0	20.6	21.5	17.7	20.9	22.7	23.7	19.4	22.8	24.8	25.9	21.0	24.8	28.9	28.1	28.1	28.1
345	TGC 19.8	22.8	27.3	28.1	21.8	25.1	30.0	31.0	23.8	27.4	32.8	33.8	25.8	29.7	35.6	36.7	36.7	36.7
355	SHC 13.1	15.5	19.6	20.2	14.4	17.1	21.6	22.3	15.7	18.6	23.6	24.3	17.1	20.2	25.6	26.4	26.4	26.4

Notes:
 ■ All capacities are gross and have not considered indoor fan heat. To obtain NET cooling capacity subtract indoor fan heat.
 ■ TGC-Totally Gross Capacity (Unit: kW/hp)
 ■ SHC-Sensible Heat Capacity (Unit: kW/hp)

Cooling capacity for 4ton:

AirFlow Ent(DB)	1500						1670						1750						1850						
	75	80	85	90	95	100	75	80	85	90	95	100	75	80	85	90	95	100	75	80	85	90	95	100	
61	TGC 43.9	50.6	53.4	54.9	46.8	53.9	57.0	58.5	50.6	58.3	61.6	63.2	54.4	62.6	66.2	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
67	SHC 36.9	44.5	48.1	50.5	39.3	47.5	51.3	53.8	42.5	51.3	55.4	56.2	45.7	55.1	59.6	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
85	TGC 41.5	47.7	50.6	51.5	44.3	50.9	53.9	55.0	47.8	55.0	58.3	59.4	51.4	59.1	62.6	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
105	SHC 32.4	38.2	41.5	43.3	34.5	40.7	44.2	47.4	44.0	47.8	49.9	51.4	41.4	49.9	53.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
115	TGC 39.8	45.8	54.9	56.5	42.5	48.8	56.5	60.3	45.9	52.8	63.2	65.1	49.3	56.7	67.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
125	SHC 26.3	31.1	39.5	40.7	28.0	33.2	42.1	43.4	30.3	35.9	45.5	46.6	32.6	38.6	48.9	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
135	TGC 41.4	47.7	50.4	51.8	44.2	50.9	53.8	55.2	47.7	55.0	58.1	59.7	51.3	59.1	62.4	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
145	SHC 34.8	42.0	45.4	47.6	37.1	44.8	48.4	50.8	40.1	48.4	52.3	54.0	43.5	52.0	56.2	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
155	TGC 39.2	45.0	47.7	48.6	41.8	48.0	50.9	51.8	45.1	51.9	55.0	56.0	48.5	57.0	61.0	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
165	SHC 30.5	36.0	39.1	40.8	32.6	38.4	41.7	43.5	35.2	41.5	45.1	47.1	37.8	44.6	54.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
175	TGC 37.6	43.2	51.8	53.3	40.1	46.1	55.2	56.9	43.3	49.8	59.7	61.4	46.6	53.5	64.1	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
185	SHC 24.8	29.4	37.3	38.4	26.5	31.3	39.7	40.9	28.6	33.9	42.9	44.2	30.7	36.4	46.2	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
195	TGC 33.3	40.1	43.4	45.5	36.2	43.7	47.2	49.5	39.2	47.3	51.1	53.7	42.2	50.9	55.1	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
205	SHC 27.4	33.0	45.6	46.5	40.7	46.8	49.6	50.6	44.1	50.7	53.8	54.8	47.5	54.6	67.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
215	TGC 35.9	41.3	49.5	51.0	39.1	44.9	53.8	55.4	42.4																

Cooling capacity for 6.2ton:

Ambient Temperature (°F)	Air Flow Ent (DB)	CFM	2100						2480					
			75	80	85	90	95	75	80	85	90			
85	61	TGC	67.2	69.3	74.2	77.4	69.1	72.3	76.2	79.1	74.4	77.4	81.6	84.4
		SHC	58.4	65.8	70.5	73.5	62.4	68.0	71.6	74.4	68.0	71.6	74.4	77.4
		SHC	44.4	55.5	60.2	66.2	46.4	57.8	63.3	70.3	44.4	55.5	60.2	66.2
95	61	TGC	79.1	80.0	80.8	81.7	79.4	80.3	81.4	82.2	79.4	80.3	81.4	82.2
		SHC	29.2	40.6	49.0	58.2	29.7	42.3	50.1	59.7	29.2	40.6	49.0	58.2
		SHC	62.2	65.3	70.6	75.1	64.1	68.3	73.6	77.5	62.2	65.3	70.6	75.1
105	61	TGC	56.0	61.5	66.5	70.7	59.8	64.3	69.3	73.0	56.0	61.5	66.5	70.7
		SHC	72.2	72.5	73.4	75.2	72.9	73.4	76.2	77.8	72.2	72.5	73.4	75.2
		SHC	43.1	54.6	66.1	74.2	45.2	57.8	70.1	75.8	43.1	54.6	66.1	74.2
115	61	TGC	78.1	78.6	79.4	80.1	78.5	79.1	79.9	80.8	78.5	79.1	79.9	80.8
		SHC	28.2	39.6	50.8	59.8	28.7	41.2	51.0	61.6	28.2	39.6	50.8	59.8
		SHC	57.0	61.0	66.4	71.8	58.8	63.9	69.7	74.6	57.0	61.0	66.4	71.8
125	61	TGC	53.5	56.7	61.8	66.8	57.4	59.4	64.8	69.4	53.5	56.7	61.8	66.8
		SHC	66.8	67.4	68.5	72.1	68.4	69.0	70.4	74.6	66.8	67.4	68.5	72.1
		SHC	40.7	52.2	63.8	69.7	43.0	55.7	68.7	73.5	40.7	52.2	63.8	69.7
85	67	TGC	75.9	76.2	76.4	77.0	76.5	76.9	77.3	78.0	75.9	76.2	76.4	77.0
		SHC	27.0	38.3	49.6	59.9	27.4	40.1	51.5	62.8	27.0	38.3	49.6	59.9
		SHC	51.7	56.6	62.1	67.7	53.6	59.3	64.2	70.9	51.7	56.6	62.1	67.7
95	67	TGC	51.0	54.8	60.2	65.6	51.9	57.5	63.2	68.7	51.0	54.8	60.2	65.6
		SHC	78.1	78.6	79.4	80.1	78.5	79.1	79.9	80.8	78.5	79.1	79.9	80.8
		SHC	38.2	49.6	61.4	66.8	40.5	53.2	63.4	69.7	38.2	49.6	61.4	66.8
105	67	TGC	72.1	72.3	72.7	72.9	73.1	73.5	73.8	74.2	72.1	72.3	72.7	72.9
		SHC	25.6	37.0	48.3	59.4	26.1	38.7	51.0	63.0	25.6	37.0	48.3	59.4
		SHC	45.3	47.2	49.0	50.6	46.3	48.3	50.1	51.7	45.3	47.2	49.0	50.6
115	67	TGC	43.8	35.6	27.9	21.4	45.2	37.8	28.6	22.5	43.8	35.6	27.9	21.4
		SHC	50.0	50.9	51.7	52.2	51.1	52.1	52.8	53.4	50.0	50.9	51.7	52.2
		SHC	44.3	36.7	28.3	21.8	32.8	41.1	49.5	50.4	44.3	36.7	28.3	21.8
125	67	TGC	53.8	54.5	55.3	56.7	55.0	55.8	56.5	57.2	53.8	54.5	55.3	56.7
		SHC	45.8	37.6	29.2	22.3	46.3	38.2	31.6	24.5	45.8	37.6	29.2	22.3
		SHC	29.7	42.5	56.1	70.1	30.3	44.4	58.3	71.7	29.7	42.5	56.1	70.1

Notes:
 ■ Capacities are gross and have not considered indoor fan heat. To obtain NET cooling capacity subtract indoor fan heat.
 ■ TGC=Total Gross Capacity (Unit:kBtu/h)
 ■ SHC=Sensible Heat Capacity (Unit: kBtu/h)

Heating capacity for 7.5ton:

Outdoor Temp(°C)/70% RH	Net Capacities(KW)-3000 CFM											
	Peak NetHeating(KW) at Indicated Dry Bulb(°C)			Peak Total Power(KW) at Indicated Dry Bulb(°C)			Peak NetHeating(KW) at Indicated Dry Bulb(°C)			Peak Total Power(KW) at Indicated Dry Bulb(°C)		
	15	21	24	27	15	21	24	27	15	21	24	27
-15	14.9	14.0	13.7	13.4	6.9	7.6	8.0	8.5	6.9	7.6	8.0	8.5
-12	16.0	15.3	15.0	14.9	7.1	7.7	8.1	8.6	7.1	7.7	8.1	8.6
-9	17.0	16.5	16.4	16.4	7.1	7.8	8.2	8.8	7.1	7.8	8.2	8.8
-6	17.8	17.3	17.1	16.9	7.2	7.9	8.3	8.9	7.2	7.9	8.3	8.9
-3	18.8	18.5	18.4	18.1	7.3	8.0	8.5	9.1	7.3	8.0	8.5	9.1
0	20.3	20.0	19.7	19.4	7.4	8.1	8.6	9.2	7.4	8.1	8.6	9.2
3	23.3	23.1	22.7	22.4	7.5	8.3	8.8	9.3	7.5	8.3	8.8	9.3
6	26.9	26.5	26.2	26.0	7.8	8.4	9.1	9.6	7.8	8.4	9.1	9.6
9	30.5	30.2	29.9	29.6	8.1	9.0	9.5	10.1	8.1	9.0	9.5	10.1
12	32.4	32.4	32.4	32.4	8.4	9.4	9.9	10.5	8.4	9.4	9.9	10.5
15	35.0	34.4	34.2	33.8	8.6	9.6	10.1	10.7	8.6	9.6	10.1	10.7
18	37.1	36.4	36.0	35.7	8.9	9.8	10.4	11.0	8.9	9.8	10.4	11.0
21	39.8	38.9	38.4	37.9	9.0	10.0	10.5	11.0	9.0	10.0	10.5	11.0
24	42.0	40.9	40.2	39.8	9.2	10.1	10.9	11.3	9.2	10.1	10.9	11.3

Cooling capacity for 8.5ton:

Ambient Temperature (°F)	Air Flow Ent (DB)	CFM	2700						3000						3400					
			75	80	85	90	75	80	85	90	75	80	85	90						
85	61	TGC	91.6	95.5	99.3	102.4	96.5	100.7	104.5	107.8	96.6	102.8	106.7	110.2						
		SHC	71.4	82.1	90.1	94.9	76.8	88.1	96.8	101.7	80.8	92.8	101.7	107.1						
		TGC	101.4	103.2	104.7	105.6	106.7	108.6	110.2	111.4	109	110.9	112.5	113.7						
95	67	TGC	54.1	67.9	81.7	90.6	58.1	72.8	87.7	97.3	61.2	76.6	92.3	102.6						
		SHC	103.2	104.8	106.4	107.7	108.6	109.5	111.2	113.5	112.4	114.1	115.8	117.1						
		TGC	23.9	44.5	61.6	74.9	25.8	48.3	67.9	86.1	27.2	56.3	74.6	97.8						
105	61	TGC	88.5	92.3	95.8	99.0	93.1	97.1	100.8	104.2	95.1	99.2	102.9	106.3						
		SHC	72.6	83.2	91.7	96.3	78.2	89.8	98.6	103.7	82.4	94.6	98.1	102.1						
		TGC	97.8	99.6	101.0	102.3	102.7	104.8	106.3	107.4	107.0	108.5	109.7							
115	67	TGC	55.2	68.7	83.4	92.4	59.2	74.3	89.4	99.8	62.4	78.1	94.1	104.5						
		SHC	105.1	106.3	107.5	109.1	110.7	111.8	112.9	114.1	113.2	114.6	116.3	118.7						
		SHC	26.4	55.2	67.8	88.9	26.1	48.9	69.8	82.3	30.8	67.2	94.3	106.7						
125	61	TGC	83.7	87.5	90.8	93.8	88.1	91.9	95.4	98.5	90.1	93.8	97.4	100.6						
		SHC	69.7	80.0	87.7	92.3	74.7	85.8	94.1	98.5	78.7	90.4	93.5	96.5						
		TGC	92.6	94.2	95.8	97.1	97.4	99.1	100.5	101.7	99.5	101.2	102.7	103.8						
105	67	TGC	52.8	66.1	79.5	88.4	56.6	70.8	86.1	96.3	59.6	74.7	89.9	99.8						
		SHC	94.5	96.1	97.8	99.4	104.1	105.6	107.2	108.6	106.9	108.3	109.7	111.2						
		SHC	23.3	44.7	59.8	72.6	82.3	87.1	90.6	99.8	31.2	67.4	96.6	106.8						
115	61	TGC	78.3	81.6	84.7	87.6	82.3	86.1	89.6	92.3	84.1	87.7	92.1	94.0						
		SHC	67.2	77.1	83.5	86.6	72	82.7	89.1	92.0	75.8	87.1	91.0	92.7						
		TGC	86.5	88.1	89.3	90.6	91	92.6	94.0	95.4	92.9	94.6	96.0	97.1						
125	67	TGC	50.9	63.7	76.7	85.2	54.5	68.7	82.3	94.6	57.4	71.9	86.6	96.2						
		SHC	95.1	96.4	97.8	99.8	101.4	103.6	105.9	107.4	103.6	105.9	108.3	110.6						
		SHC	22.5	41.8	57.7	70.5	28.3	53.2	69.1	82.1	32.1	68.4	89.9	103.6						
105	61	TGC	71.2	74.2	77.0	79.6	74.8	78.3	81.5	83.9	75.7	79.7	83.7	85.5						
		SHC	61.1	70.1	76.8	78.5	65.5	75.2	81.0	83.6	68.9	79.2	82.7	84.3						
		TGC	76.6	80.1	81.2	82.4	82.4	85.5	86.7	86.7	84.2	85.5	86.0	87.3						
115	67	TGC	46.3	57.9	69.7	77.5	49.5	62.5	74.8	86.0	52.2	65.4	78.7	87.5						
		SHC	86.5	87.6	88.9	90.7	88.9	90.3	92.2	94.2	90.8	92.1	94.0	95.6						
		SHC	20.5	38.0	52.5	64.1	25.7	48.4	61.0	72.4	29.2	62.2	89.9	94.2						

Notes:
 ■ Capacities are gross and have not considered indoor fan heat. To obtain NET cooling capacity subtract indoor fan heat.
 ■ TGC=Total Gross Capacity (Unit:kBtu/h)
 ■ SHC=Sensible Heat Capacity (Unit: kBtu/h)

Cooling capacity for 10ton:

Ambient Temperature (°F)	Air Flow Ent (DB)	CFM (F)	3600						4000							
			75	80	85	90	95	100	75	80	85	90	95			
85	61	TGC	110.9	113.1	115.4	117.7	119.8	116.1	118.4	120.8						
		SHC	96.8	98.7	100.7	103.2	105.3	107.4	109.5							
		TGC	123.4	125.9	128.4	131.0	124.6	127.1	129.6	132.2						
		SHC	73.2	75.0	76.8	78.6	80.4	82.2	84.0	85.8	87.6					
		TGC	127.9	130.5	133.1	135.7	128.3	130.9	133.5	136.2						
		SHC	47.7	49.4	51.1	52.8	54.5	56.2	57.9	59.6	61.3					
	61	TGC	102.8	104.9	107.0	109.1	105.9	108.0	110.2	112.4						
		SHC	92.7	94.6	96.4	98.4	99.2	101.2	103.2	105.3						
		TGC	118.7	121.1	123.5	126.0	122.5	125.0	128.5	130.1						
		SHC	70.8	73.8	76.8	79.8	81.8	84.8	87.8	90.8	93.8					
		TGC	126.8	129.3	131.9	134.6	127.1	129.6	132.2	134.9						
		SHC	46.3	48.4	50.5	52.6	54.7	56.8	58.9	61.0	63.1					
105	61	TGC	94.5	96.4	98.3	100.3	97.8	99.8	101.8	103.8						
		SHC	88.6	90.4	92.2	94.0	95.2	97.1	99.0	101.0						
		TGC	110.3	112.5	114.8	117.1	112.9	115.2	117.5	119.8						
		SHC	67.6	69.4	71.3	73.2	75.1	77.0	78.9	80.8	82.7					
		TGC	123.8	126.3	128.8	131.4	124.6	127.1	129.6	132.2						
		SHC	44.3	46.2	48.1	50.0	51.9	53.8	55.7	57.6	59.5					
	61	TGC	86.3	88.0	89.8	91.6	89.2	91.0	92.8	94.7						
		SHC	84.6	86.3	88.0	89.8	88.2	89.9	91.7	93.5						
		TGC	101.3	103.3	105.4	107.5	103.2	107.0	107.4	109.5						
		SHC	63.5	65.2	67.0	68.8	70.6	72.4	74.2	76.0	77.8					
		TGC	119.2	121.6	124.0	126.5	120.1	122.5	125.0	127.5						
		SHC	42.2	44.3	46.4	48.5	50.6	52.7	54.8	56.9	59.0					
115	73	TGC	78.5	80.0	81.6	83.3	81.1	82.7	84.4	86.1						
		SHC	76.9	78.4	80.0	81.6	79.4	81.0	82.7	84.4						
		TGC	92.1	93.9	95.8	97.7	95.8	97.9	99.2	99.6						
		SHC	57.7	59.6	61.5	63.4	61.2	63.0	64.8	66.6	68.4					
		TGC	108.4	110.5	112.7	115.0	109.2	111.4	113.6	115.9						
		SHC	38.4	39.8	41.2	42.6	41.0	42.4	43.8	45.2	46.6					
	73	TGC	85.5	87.0	88.5	90.0	88.0	89.5	91.0	92.5						
		SHC	84.0	85.5	87.0	88.5	86.5	88.0	89.5	91.0						
		TGC	101.3	103.3	105.4	107.5	103.2	107.0	107.4	109.5						
		SHC	63.5	65.2	67.0	68.8	70.6	72.4	74.2	76.0	77.8					
		TGC	119.2	121.6	124.0	126.5	120.1	122.5	125.0	127.5						
		SHC	42.2	44.3	46.4	48.5	50.6	52.7	54.8	56.9	59.0					

Notes:
 ■ All capacities are gross and have not considered indoor fan heat. To obtain NET cooling capacity subtract indoor fan heat.
 ■ TGC=Total Gross Capacity (Unit:Kt/h).
 ■ SHC=Sensible Heat Capacity (Unit:Kt/h).

Heating capacity for 10ton:

Outdoor Temp(°C) 70% RH	Net Capacities(KW)+400 CFM											
	Peak Net Heating(KW) at Indicated Dry Bulb(°C)				Peak Total Power(KW) at Indicated Dry Bulb(°C)							
	15	21	24	27	15	21	24	27	15	21	24	27
-15	19.8	18.6	18.2	17.9	9.2	10.1	10.7	11.3	10.7	11.3	11.9	12.4
-12	21.3	20.4	20	19.8	9.4	10.3	10.8	11.5	10.8	11.5	12.1	12.8
-9	22.6	22	21.8	21.8	9.5	10.4	10.9	11.7	10.9	11.7	12.4	13.1
-6	23.7	23	22.8	22.5	9.6	10.5	11.1	11.9	11.1	11.9	12.6	13.4
-3	25.1	24.7	24.5	24.1	9.7	10.6	11.3	12.1	11.3	12.1	12.9	13.7
0	27	26.6	26.2	25.9	9.8	10.8	11.5	12.2	11.5	12.2	13.0	13.8
3	31.1	30.8	30.3	29.9	10	11	11.7	12.4	11.7	12.4	13.2	14.0
6	35.8	35.3	34.9	34.7	10.4	11.2	12.1	12.8	12.1	12.8	13.6	14.4
9	40.7	40.2	39.8	39.4	10.8	11.8	12.7	13.5	12.7	13.5	14.4	15.2
12	45.6	45.1	44.7	44.5	11.2	12.5	13.2	14	13.2	14	14.9	15.7
15	46.6	46.1	45.6	45.1	11.5	12.8	13.5	14.3	13.5	14.3	15.2	16.0
18	49.4	48.5	48	47.6	11.8	13.1	13.9	14.6	13.9	14.6	15.5	16.2
21	53	51.9	51.2	50.5	12	13.3	14	14.7	14.7	15.4	16.2	17.0
24	56	54.5	53.6	53	12.3	13.5	14.5	15	15	16	16.8	17.5

Notes:
 ■ For other airflows, see heating capacity correction factor tables.
 ■ Heating capacities and power are integrated to include the effects of defrost in the frost region.

Cooling capacity for 12.5ton:

Ambient Temperature (°F)	Air Flow Ent (DB)	CFM (F)	4500						5000						
			75	80	85	90	95	100	75	80	85	90	95		
85	61	TGC	133.0	134.6	140.6	148.5	136.6	145.5	153.4						
		SHC	106.9	126.7	135.0	142.6	112.8	141.1	148.8						
		TGC	149.0	150.8	152.5	154.6	153.4	154.5	155.4	156.4					
		SHC	85.1	103.9	121.8	140.6	88.9	107.9	127.7	146.5					
		TGC	157.4	160.4	162.4	164.4	159.2	161.4	164.4	166.3					
		SHC	65.7	78.7	95.4	110.9	59.8	80.5	97.2	112.7					
	61	TGC	124.7	127.7	133.7	142.6	128.3	131.7	139.6	147.5					
		SHC	101.9	121.8	131.6	141.6	107.9	126.4	134.0	141.6					
		TGC	139.6	141.6	143.6	146.5	146.5	150.0	151.5	152.5					
		SHC	81.2	100.0	118.8	137.6	84.6	104.9	124.8	144.5					
		TGC	153.5	155.4	157.3	159.4	154.6	156.3	158.7	161.4					
		SHC	66.1	75.7	93.3	109.9	57.3	73.3	95.8	113.9					
105	61	TGC	116	119.0	125.0	135.0	120	123.0	139.0						
		SHC	97.2	104.0	113.0	125.0	104	111.0	122.0	140.0					
		TGC	133	135.0	138.0	139.0	134	137.0	141.0	143.0					
		SHC	76.9	96.0	114.9	134.7	88.6	101.0	121.8	143.0					
		TGC	151	152.0	153.0	154.0	153	154.0	155.0	157.0					
		SHC	53.3	72.5	90.8	108.0	54.5	75.1	93.9	112.9					
	61	TGC	106	110.0	120.0	130.0	109	115.0	125.0	135.0					
		SHC	83.1	106.7	118.4	126.1	88.9	111.6	121.3	131.0					
		TGC	125	127.0	128.0	130.0	126	128.0	131.0	133.0					
		SHC	80	92.2	111.0	127.0	84	97.5	118.0	121.0					
		TGC	141	143.0	145.0	146.0	145	147.0	148.0	149.0					
		SHC	50.5	68.6	88.5	107.0	51.6	73.0	92.0	111.0					
125	61	TGC	101.9	104.4	108.0	109.4	104.8	107.1	109.0	111.6					
		SHC	83.5	83.9	86.7	86.8	86.5	89.9	91.3	91.6					
		TGC	103.4	105.9	109.5	110.8	121.2	123.8	126.2	129.1					
		SHC	66.1	65.2	75.1	67.6	99.9	91.5	76.4	69.5					
		TGC	106.7	109.3	111.9	114.4	141.1	143.7	146.6	149.6					
		SHC	103.0	89.9	80.1	69.7	103.8	93.1	77.8	70.7					

Cooling capacity for 15ton:

Ambient Temperature (°F)	Air Flow Ent (DB)	CFM (F)	5500						6000						
			75	80	85	90	95	100	75	80	85	90	95		
85	61	TGC	163.6	165.6	172.9	182.7	168.0	171.6	179.0	188.7					
		SHC	131.5	155.8	166.0	175.3	138.7	165.6	173.6	183.0					
		TGC	183.3	185.5	187.6	190.2	188.7	190.0	191.1	192.4					
		SHC	104.7	127.8	149.8	172.9	109.3	132.7	157.1	180.2					
		TGC	193.6	197.3	198.8	202.2	196.8	198.5	202						

